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

Cover Page

Order ID : Q1421

Project ID : RFP 905

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
Q1421-01	P001-CLAY-CF01-01
Q1421-02	P001-CLAY-CF01-01MS
Q1421-03	P001-CLAY-CF01-01MSD
Q1421-04	P001-CLAY-CF01-01
Q1421-05	P001-CLAY-CF01-01MS
Q1421-06	P001-CLAY-CF01-01MSD
Q1421-07	P001-CLAY-CF01-02
Q1421-08	P001-CLAY-CF01-02
Q1421-09	P001-CLAY-CF02-01
Q1421-10	P001-CLAY-CF02-01

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

Signature : _____

Date: 3/8/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 905
Project # N/A
Chemtech Project # Q1421
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 02/24/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Mercury, Metals ICP-TAL, METALS TAL+CN, PCB, Pesticide-TCL, SPLP BNA, SPLP Cyanide, SPLP Extraction, SPLP ICP Metals, SPLP Mercury, SPLP PCB, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for P001-CLAY-CF01-01, P001-CLAY-CF01-01MS, P001-CLAY-CF01-01MSD Inter failure confirmed with original sample and
P001-CLAY-CF01-02 and P001-CLAY-CF01-02RE, the failure sample in Internal standard was reanalyzed to confirm the failure as per method and reported.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .

The RPD for {Q1421-03MSD} with File ID: VY021372.D met criteria except for 1,1,2,2-Tetrachloroethane[40%], 1,2,3-Trichlorobenzene[45%], 1,2,4-Trichlorobenzene[43%], 1,2-Dibromo-3-Chloropropane[34%], Bromodichloromethane[21%], Chloroform[23%], cis-1,2-Dichloroethene[23%], Dibromochloromethane[22%], Isopropylbenzene[26%], Methyl Acetate[31%],

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

Methylcyclohexane[25%], Methylene Chloride[23%] and trans-1,2-Dichloroethene[21%],due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration File ID VY021375.D met the requirements except for Acetone is failing high and associate sample having hit but below CRQL therefore no corrective action taken.
.
The Tuning criteria met requirements.

E. Calculation:
Low Level Soil Calculation in ug/Kg dry weight basis

$$\frac{(A_x)(I_s)(Df)}{(Ais)(RRF)(Ws)(D)}$$

Where
Ax = Area for the compound to be measured
Ais = Area for the specific internal standard
Is = Amount of internal standard added in nanograms (ng)
RRF = Relative response factor of the initial calibration curve standard.
Df = Dilution factor
Ws= Weight of sample
$D = \frac{100 - \%moisture}{100}$

F. Additional Comments:
The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

G. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

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

Signature_____

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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 is 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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1421 MATRIX: Solid

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration File ID VY021375.D met the requirements except for Acetone is failing high and associate sample having hit but below CRQL therefore no corrective action taken. .			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The RPD for {Q1421-03MSD} with File ID: VY021372.D met criteria except for 1,1,2,2-Tetrachloroethane[40%], 1,2,3-Trichlorobenzene[45%], 1,2,4-Trichlorobenzene[43%], 1,2-Dibromo-3-Chloropropane[34%], Bromodichloromethane[21%], Chloroform[23%], cis-1,2-Dichloroethene[23%], Dibromochloromethane[22%], Isopropylbenzene[26%], Methyl Acetate[31%], Methylcyclohexane[25%], Methylene Chloride[23%] and trans-1,2-Dichloroethene[21%],due to difference in results of MS and MSD.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments: The Internal Standards Areas met the acceptable requirements except for P001-CLAY-CF01-01, P001-CLAY-CF01-01MS, P001-CLAY-CF01-01MSD Inter failure confirmed with original sample and P001-CLAY-CF01-02 and P001-CLAY-CF01-02RE, the failure sample in Internal standard was reanalyzed to confirm the failure as per method and reported.		✓	

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
10.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1421**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **SOHIL JODHANI** **Date:** **03/08/2025**

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

LAB CHRONICLE

OrderID:	Q1421	**OrderDate:**	2/24/2025 2:56:42 PM
Client:	Weston Solutions, Inc.	**Project:**	RFP 905
Contact:	Smita Sumbaly	**Location:**	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1421-01	**P001-CLAY-CF01-01**	**SOIL**			**02/24/25**			**02/24/25**
			VOC-TCLVOA-10	8260D			02/27/25	
Q1421-04	**P001-CLAY-CF01-01**	**Water**			**02/24/25**			**02/24/25**
			SPLP VOA	8260D			02/26/25	
Q1421-07	**P001-CLAY-CF01-02**	**SOIL**			**02/24/25**			**02/24/25**
			VOC-TCLVOA-10	8260D			02/27/25	
Q1421-07RE	**P001-CLAY-CF01-02RE**	**SOIL**			**02/24/25**			**02/24/25**
			VOC-TCLVOA-10	8260D			02/28/25	
Q1421-08	**P001-CLAY-CF01-02**	**Water**			**02/24/25**			**02/24/25**
			SPLP VOA	8260D			02/26/25	
Q1421-09	**P001-CLAY-CF02-01**	**SOIL**			**02/24/25**			**02/24/25**
			VOC-TCLVOA-10	8260D			03/06/25	
Q1421-10	**P001-CLAY-CF02-01**	**Water**			**02/24/25**			**02/24/25**
			SPLP VOA	8260D			02/26/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**P001-CLAY-CF01-01**							
Q1421-01	P001-CLAY-CF01-(	SOIL	Acetone	54.6		7.70	31.0	ug/Kg
			Total Voc :	54.6				
			Total Concentration:	54.6				
Client ID:	**P001-CLAY-CF01-02**							
Q1421-07	P001-CLAY-CF01-(	SOIL	Acetone	35.2		7.60	30.6	ug/Kg
			Total Voc :	35.2				
			Total Concentration:	35.2				
Client ID:	**P001-CLAY-CF01-02RE**							
Q1421-07RE	P001-CLAY-CF01-(	SOIL	Acetone	22.0	J	8.20	33.0	ug/Kg
			Total Voc :	22.0				
			Total Concentration:	22.0				



QC SUMMARY

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

Surrogate Summary

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1421-01	P001-CLAY-CF01-01	1,2-Dichloroethane-d4	50	60.3	121	63	155
		Dibromofluoromethane	50	53.8	108	70	134
		Toluene-d8	50	47.5	95	74	123
		4-Bromofluorobenzene	50	39.2	78	38	136
Q1421-02MS	P001-CLAY-CF01-01MS	1,2-Dichloroethane-d4	50	48.3	97	63	155
		Dibromofluoromethane	50	48.6	97	70	134
		Toluene-d8	50	42.2	84	74	123
		4-Bromofluorobenzene	50	27.5	55	38	136
Q1421-03MSD	P001-CLAY-CF01-01MSD	1,2-Dichloroethane-d4	50	50.2	100	63	155
		Dibromofluoromethane	50	52.0	104	70	134
		Toluene-d8	50	44.0	88	74	123
		4-Bromofluorobenzene	50	32.8	66	38	136
Q1421-07	P001-CLAY-CF01-02	1,2-Dichloroethane-d4	50	56.6	113	63	155
		Dibromofluoromethane	50	54.5	109	70	134
		Toluene-d8	50	46.5	93	74	123
		4-Bromofluorobenzene	50	38.7	77	38	136
Q1421-07RE	P001-CLAY-CF01-02RE	1,2-Dichloroethane-d4	50	55.5	111	63	155
		Dibromofluoromethane	50	54.3	109	70	134
		Toluene-d8	50	46.2	92	74	123
		4-Bromofluorobenzene	50	31.9	64	38	136
Q1421-09	P001-CLAY-CF02-01	1,2-Dichloroethane-d4	50	57.5	115	63	155
		Dibromofluoromethane	50	51.4	103	70	134
		Toluene-d8	50	49.0	98	74	123
		4-Bromofluorobenzene	50	42.8	86	38	136
VY0227SBL01	VY0227SBL01	1,2-Dichloroethane-d4	50	59.2	118	63	155
		Dibromofluoromethane	50	52.5	105	70	134
		Toluene-d8	50	48.2	96	74	123
		4-Bromofluorobenzene	50	49.5	99	38	136
VY0227SBS01	VY0227SBS01	1,2-Dichloroethane-d4	50	51.1	102	63	155
		Dibromofluoromethane	50	52.3	105	70	134
		Toluene-d8	50	52.3	105	74	123
		4-Bromofluorobenzene	50	52.4	105	38	136
VY0228SBL01	VY0228SBL01	1,2-Dichloroethane-d4	50	52.2	104	63	155
		Dibromofluoromethane	50	52.0	104	70	134
		Toluene-d8	50	47.1	94	74	123
		4-Bromofluorobenzene	50	40.7	81	38	136
VY0228SBS01	VY0228SBS01	1,2-Dichloroethane-d4	50	43.2	86	63	155
		Dibromofluoromethane	50	45.7	91	70	134
		Toluene-d8	50	44.4	89	74	123
		4-Bromofluorobenzene	50	43.7	87	38	136
VY0306SBL01	VY0306SBL01	1,2-Dichloroethane-d4	50	58.5	117	63	155
		Dibromofluoromethane	50	51.1	102	70	134
		Toluene-d8	50	48.6	97	74	123
		4-Bromofluorobenzene	50	43.6	87	38	136
VY0306SBS01	VY0306SBS01	1,2-Dichloroethane-d4	50	53.2	106	63	155
		Dibromofluoromethane	50	50.1	100	70	134
		Toluene-d8	50	49.5	99	74	123
		4-Bromofluorobenzene	50	50.8	102	38	136

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q1421-02MS		**Client Sample ID : P001-CLAY-CF01-01MS**						**Datafile :** VY021371.D			
Dichlorodifluoromethane	66	0	68.0	ug/Kg	103				40	150	
Chloromethane	66	0	68.1	ug/Kg	103				24	175	
Vinyl chloride	66	0	72.9	ug/Kg	110				21	175	
Bromomethane	66	0	72.8	ug/Kg	110				46	150	
Chloroethane	66	0	77.8	ug/Kg	118				30	175	
Trichlorofluoromethane	66	0	71.3	ug/Kg	108				53	150	
1,1,2-Trichlorotrifluoroethane	66	0	65.9	ug/Kg	100				60	135	
1,1-Dichloroethene	66	0	68.6	ug/Kg	104				63	136	
Acetone	330	54.6	290	ug/Kg	71				41	175	
Carbon disulfide	66	0	64.5	ug/Kg	98				45	126	
Methyl tert-butyl Ether	66	0	70.1	ug/Kg	106				56	175	
Methyl Acetate	66	0	85.9	ug/Kg	130				32	175	
Methylene Chloride	66	0	76.7	ug/Kg	116				59	175	
trans-1,2-Dichloroethene	66	0	68.3	ug/Kg	103				63	137	
1,1-Dichloroethane	66	0	70.4	ug/Kg	107				62	154	
Cyclohexane	66	0	55.3	ug/Kg	84				41	131	
2-Butanone	330	0	290	ug/Kg	88				48	174	
Carbon Tetrachloride	66	0	61.1	ug/Kg	93				48	149	
cis-1,2-Dichloroethene	66	0	69.1	ug/Kg	105				59	153	
Bromochloromethane	66	0	56.9	ug/Kg	86				54	172	
Chloroform	66	0	72.4	ug/Kg	110				60	159	
1,1,1-Trichloroethane	66	0	68.1	ug/Kg	103				60	149	
Methylcyclohexane	66	0	46.6	ug/Kg	71				19	135	
Benzene	66	0	65.5	ug/Kg	99				59	140	
1,2-Dichloroethane	66	0	66.6	ug/Kg	101				63	153	
Trichloroethene	66	0	60.4	ug/Kg	92				45	154	
1,2-Dichloropropane	66	0	65.0	ug/Kg	98				67	141	
Bromodichloromethane	66	0	65.2	ug/Kg	99				54	160	
4-Methyl-2-Pentanone	330	0	280	ug/Kg	85				54	164	
Toluene	66	0	59.7	ug/Kg	90				61	134	
t-1,3-Dichloropropene	66	0	58.6	ug/Kg	89				47	155	
cis-1,3-Dichloropropene	66	0	59.8	ug/Kg	91				56	141	
1,1,2-Trichloroethane	66	0	61.4	ug/Kg	93				69	148	
2-Hexanone	330	0	270	ug/Kg	82				43	164	
Dibromochloromethane	66	0	60.2	ug/Kg	91				65	143	
1,2-Dibromoethane	66	0	58.2	ug/Kg	88				63	144	
Tetrachloroethene	66	0	64.3	ug/Kg	97				27	175	
Chlorobenzene	66	0	61.6	ug/Kg	93				66	127	
Ethyl Benzene	66	0	63.6	ug/Kg	96				54	134	
m/p-Xylenes	130	0	120	ug/Kg	92				51	137	
o-Xylene	66	0	62.1	ug/Kg	94				57	139	
Styrene	66	0	47.1	ug/Kg	71				47	136	
Bromoform	66	0	64.7	ug/Kg	98				64	144	
Isopropylbenzene	66	0	97.3	ug/Kg	147				44	160	
1,1,2,2-Tetrachloroethane	66	0	110	ug/Kg	167				18	175	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	66	0	56.2	ug/Kg	85				55	131	
1,4-Dichlorobenzene	66	0	56.5	ug/Kg	86				57	129	
1,2-Dichlorobenzene	66	0	57.0	ug/Kg	86				54	140	
1,2-Dibromo-3-Chloropropane	66	0	89.4	ug/Kg	135				46	175	
1,2,4-Trichlorobenzene	66	0	18.3	ug/Kg	28				12	127	
1,2,3-Trichlorobenzene	66	0	17.6	ug/Kg	27				10	160	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q1421-03MSD		**Client Sample ID : P001-CLAY-CF01-01MSD**						**Datafile :** VY021372.D			
Dichlorodifluoromethane	80.5	0	70.0	ug/Kg	87		17		40	150	20
Chloromethane	80.5	0	69.6	ug/Kg	86		18		24	175	20
Vinyl chloride	80.5	0	75.9	ug/Kg	94		16		21	175	20
Bromomethane	80.5	0	74.8	ug/Kg	93		17		46	150	20
Chloroethane	80.5	0	80.1	ug/Kg	100		17		30	175	20
Trichlorofluoromethane	80.5	0	75.9	ug/Kg	94		14		53	150	20
1,1,2-Trichlorotrifluoroethane	80.5	0	73.7	ug/Kg	92		9		60	135	20
1,1-Dichloroethene	80.5	0	71.4	ug/Kg	89		16		63	136	20
Acetone	400	54.6	380	ug/Kg	81		13		41	175	20
Carbon disulfide	80.5	0	67.1	ug/Kg	83		16		45	126	20
Methyl tert-butyl Ether	80.5	0	75.2	ug/Kg	93		13		56	175	20
Methyl Acetate	80.5	0	76.6	ug/Kg	95		31	*	32	175	20
Methylene Chloride	80.5	0	76.1	ug/Kg	95		21	*	59	175	20
trans-1,2-Dichloroethene	80.5	0	67.7	ug/Kg	84		21	*	63	137	20
1,1-Dichloroethane	80.5	0	70.5	ug/Kg	88		20		62	154	20
Cyclohexane	80.5	0	66.1	ug/Kg	82		2		41	131	20
2-Butanone	400	0	340	ug/Kg	85		3		48	174	20
Carbon Tetrachloride	80.5	0	69.2	ug/Kg	86		7		48	149	20
cis-1,2-Dichloroethene	80.5	0	66.8	ug/Kg	83		23	*	59	153	20
Bromochloromethane	80.5	0	75.5	ug/Kg	94		8		54	172	20
Chloroform	80.5	0	70.4	ug/Kg	87		23	*	60	159	20
1,1,1-Trichloroethane	80.5	0	69.4	ug/Kg	86		18		60	149	20
Methylcyclohexane	80.5	0	72.9	ug/Kg	91		25	*	19	135	20
Benzene	80.5	0	68.1	ug/Kg	85		16		59	140	20
1,2-Dichloroethane	80.5	0	74.2	ug/Kg	92		9		63	153	20
Trichloroethene	80.5	0	65.4	ug/Kg	81		12		45	154	20
1,2-Dichloropropane	80.5	0	66.9	ug/Kg	83		17		67	141	20
Bromodichloromethane	80.5	0	64.4	ug/Kg	80		21	*	54	160	20
4-Methyl-2-Pentanone	400	0	340	ug/Kg	85		0		54	164	20
Toluene	80.5	0	61.8	ug/Kg	77		16		61	134	20
t-1,3-Dichloropropene	80.5	0	58.2	ug/Kg	72		20		47	155	20
cis-1,3-Dichloropropene	80.5	0	59.9	ug/Kg	74		20		56	141	20
1,1,2-Trichloroethane	80.5	0	65.8	ug/Kg	82		13		69	148	20
2-Hexanone	400	0	310	ug/Kg	78		5		43	164	20
Dibromochloromethane	80.5	0	59.0	ug/Kg	73		22	*	65	143	20
1,2-Dibromoethane	80.5	0	63.1	ug/Kg	78		12		63	144	20
Tetrachloroethene	80.5	0	72.9	ug/Kg	91		7		27	175	20
Chlorobenzene	80.5	0	63.0	ug/Kg	78		18		66	127	20
Ethyl Benzene	80.5	0	67.6	ug/Kg	84		14		54	134	20
m/p-Xylenes	160	0	130	ug/Kg	81		13		51	137	20
o-Xylene	80.5	0	65.2	ug/Kg	81		15		57	139	20
Styrene	80.5	0	53.5	ug/Kg	66		7		47	136	20
Bromoform	80.5	0	66.5	ug/Kg	83		17		64	144	20
Isopropylbenzene	80.5	0	91.0	ug/Kg	113		26	*	44	160	20
1,1,2,2-Tetrachloroethane	80.5	0	89.0	ug/Kg	111		40	*	18	175	20

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	80.5	0	62.9	ug/Kg	78		9		55	131	20
1,4-Dichlorobenzene	80.5	0	62.3	ug/Kg	77		10		57	129	20
1,2-Dichlorobenzene	80.5	0	61.2	ug/Kg	76		13		54	140	20
1,2-Dibromo-3-Chloropropane	80.5	0	77.0	ug/Kg	96		34	*	46	175	20
1,2,4-Trichlorobenzene	80.5	0	34.7	ug/Kg	43		43	*	12	127	20
1,2,3-Trichlorobenzene	80.5	0	33.8	ug/Kg	42		45	*	10	160	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: SW8260D **Datafile :** VY021348.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0227SBS01	Dichlorodifluoromethane	20	19.6	ug/Kg	98			64	136	
	Chloromethane	20	18.5	ug/Kg	93			70	130	
	Vinyl chloride	20	19.3	ug/Kg	97			72	129	
	Bromomethane	20	19.1	ug/Kg	96			58	141	
	Chloroethane	20	19.9	ug/Kg	100			69	130	
	Trichlorofluoromethane	20	20.2	ug/Kg	101			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/Kg	102			81	123	
	1,1-Dichloroethene	20	19.9	ug/Kg	100			79	121	
	Acetone	100	110	ug/Kg	110			60	131	
	Carbon disulfide	20	18.5	ug/Kg	93			45	154	
	Methyl tert-butyl Ether	20	19.1	ug/Kg	96			77	129	
	Methyl Acetate	20	18.3	ug/Kg	92			69	149	
	Methylene Chloride	20	19.9	ug/Kg	100			56	174	
	trans-1,2-Dichloroethene	20	19.6	ug/Kg	98			80	123	
	1,1-Dichloroethane	20	19.5	ug/Kg	98			82	123	
	Cyclohexane	20	18.7	ug/Kg	94			76	122	
	2-Butanone	100	97.4	ug/Kg	97			69	131	
	Carbon Tetrachloride	20	19.9	ug/Kg	100			76	129	
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98			82	123	
	Bromochloromethane	20	19.0	ug/Kg	95			80	127	
	Chloroform	20	20.1	ug/Kg	101			82	125	
	1,1,1-Trichloroethane	20	20.0	ug/Kg	100			80	126	
	Methylcyclohexane	20	19.3	ug/Kg	97			77	123	
	Benzene	20	19.9	ug/Kg	100			84	121	
	1,2-Dichloroethane	20	20.3	ug/Kg	102			81	126	
	Trichloroethene	20	20.0	ug/Kg	100			83	122	
	1,2-Dichloropropane	20	19.8	ug/Kg	99			83	122	
	Bromodichloromethane	20	20.2	ug/Kg	101			82	123	
	4-Methyl-2-Pentanone	100	92.0	ug/Kg	92			70	135	
	Toluene	20	20.2	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	19.5	ug/Kg	98			78	124	
	cis-1,3-Dichloropropene	20	19.4	ug/Kg	97			81	122	
	1,1,2-Trichloroethane	20	20.1	ug/Kg	101			82	125	
	2-Hexanone	100	95.9	ug/Kg	96			66	138	
	Dibromochloromethane	20	19.8	ug/Kg	99			79	125	
	1,2-Dibromoethane	20	19.5	ug/Kg	98			80	125	
	Tetrachloroethene	20	19.9	ug/Kg	100			83	125	
	Chlorobenzene	20	19.8	ug/Kg	99			84	122	
	Ethyl Benzene	20	20.1	ug/Kg	101			82	124	
	m/p-Xylenes	40	40.4	ug/Kg	101			83	124	
	o-Xylene	20	19.8	ug/Kg	99			83	123	
	Styrene	20	19.8	ug/Kg	99			82	124	
	Bromoform	20	19.9	ug/Kg	100			75	127	
	Isopropylbenzene	20	19.8	ug/Kg	99			82	124	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			77	127	
	1,3-Dichlorobenzene	20	20.0	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	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: SW8260D **Datafile :** VY021348.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0227SBS01	1,2-Dibromo-3-Chloropropane	20	18.7	ug/Kg	94			66	134	
	1,2,4-Trichlorobenzene	20	18.3	ug/Kg	92			78	127	
	1,2,3-Trichlorobenzene	20	18.9	ug/Kg	95			70	137	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: SW8260D **Datafile :** VY021377.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0228SBS01	Dichlorodifluoromethane	20	18.6	ug/Kg	93			64	136	
	Chloromethane	20	17.7	ug/Kg	89			70	130	
	Vinyl chloride	20	19.3	ug/Kg	97			72	129	
	Bromomethane	20	20.1	ug/Kg	101			58	141	
	Chloroethane	20	20.1	ug/Kg	101			69	130	
	Trichlorofluoromethane	20	20.0	ug/Kg	100			69	134	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/Kg	99			81	123	
	1,1-Dichloroethene	20	18.8	ug/Kg	94			79	121	
	Acetone	100	77.6	ug/Kg	78			60	131	
	Carbon disulfide	20	17.4	ug/Kg	87			45	154	
	Methyl tert-butyl Ether	20	18.8	ug/Kg	94			77	129	
	Methyl Acetate	20	18.4	ug/Kg	92			69	149	
	Methylene Chloride	20	19.1	ug/Kg	96			56	174	
	trans-1,2-Dichloroethene	20	18.4	ug/Kg	92			80	123	
	1,1-Dichloroethane	20	18.2	ug/Kg	91			82	123	
	Cyclohexane	20	17.1	ug/Kg	86			76	122	
	2-Butanone	100	83.5	ug/Kg	84			69	131	
	Carbon Tetrachloride	20	19.5	ug/Kg	98			76	129	
	cis-1,2-Dichloroethene	20	18.7	ug/Kg	94			82	123	
	Bromochloromethane	20	17.8	ug/Kg	89			80	127	
	Chloroform	20	18.9	ug/Kg	95			82	125	
	1,1,1-Trichloroethane	20	19.1	ug/Kg	96			80	126	
	Methylcyclohexane	20	18.1	ug/Kg	91			77	123	
	Benzene	20	19.1	ug/Kg	96			84	121	
	1,2-Dichloroethane	20	19.5	ug/Kg	98			81	126	
	Trichloroethene	20	19.6	ug/Kg	98			83	122	
	1,2-Dichloropropane	20	19.0	ug/Kg	95			83	122	
	Bromodichloromethane	20	19.7	ug/Kg	99			82	123	
	4-Methyl-2-Pentanone	100	92.3	ug/Kg	92			70	135	
	Toluene	20	19.3	ug/Kg	97			83	122	
	t-1,3-Dichloropropene	20	18.6	ug/Kg	93			78	124	
	cis-1,3-Dichloropropene	20	18.7	ug/Kg	94			81	122	
	1,1,2-Trichloroethane	20	19.7	ug/Kg	99			82	125	
	2-Hexanone	100	91.3	ug/Kg	91			66	138	
	Dibromochloromethane	20	20.4	ug/Kg	102			79	125	
	1,2-Dibromoethane	20	19.5	ug/Kg	98			80	125	
	Tetrachloroethene	20	20.4	ug/Kg	102			83	125	
	Chlorobenzene	20	19.7	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.1	ug/Kg	96			82	124	
	m/p-Xylenes	40	39.2	ug/Kg	98			83	124	
	o-Xylene	20	19.4	ug/Kg	97			83	123	
	Styrene	20	19.6	ug/Kg	98			82	124	
	Bromoform	20	20.2	ug/Kg	101			75	127	
	Isopropylbenzene	20	18.9	ug/Kg	95			82	124	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/Kg	96			77	127	
	1,3-Dichlorobenzene	20	19.5	ug/Kg	98			83	122	
	1,4-Dichlorobenzene	20	19.3	ug/Kg	97			84	121	
	1,2-Dichlorobenzene	20	19.5	ug/Kg	98			83	124	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: SW8260D **Datafile :** VY021377.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0228SBS01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/Kg	93			66	134	
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			78	127	
	1,2,3-Trichlorobenzene	20	18.7	ug/Kg	94			70	137	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: SW8260D **Datafile :** VY021428.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0306SBS01	Dichlorodifluoromethane	20	18.0	ug/Kg	90			64	136	
	Chloromethane	20	20.3	ug/Kg	102			70	130	
	Vinyl chloride	20	20.0	ug/Kg	100			72	129	
	Bromomethane	20	21.8	ug/Kg	109			58	141	
	Chloroethane	20	21.0	ug/Kg	105			69	130	
	Trichlorofluoromethane	20	20.0	ug/Kg	100			69	134	
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/Kg	100			81	123	
	1,1-Dichloroethene	20	19.1	ug/Kg	96			79	121	
	Acetone	100	79.7	ug/Kg	80			60	131	
	Carbon disulfide	20	18.7	ug/Kg	94			45	154	
	Methyl tert-butyl Ether	20	20.0	ug/Kg	100			77	129	
	Methyl Acetate	20	20.6	ug/Kg	103			69	149	
	Methylene Chloride	20	19.3	ug/Kg	97			56	174	
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96			80	123	
	1,1-Dichloroethane	20	20.2	ug/Kg	101			82	123	
	Cyclohexane	20	18.5	ug/Kg	93			76	122	
	2-Butanone	100	93.5	ug/Kg	94			69	131	
	Carbon Tetrachloride	20	18.5	ug/Kg	93			76	129	
	cis-1,2-Dichloroethene	20	19.7	ug/Kg	99			82	123	
	Bromochloromethane	20	20.7	ug/Kg	104			80	127	
	Chloroform	20	20.1	ug/Kg	101			82	125	
	1,1,1-Trichloroethane	20	19.2	ug/Kg	96			80	126	
	Methylcyclohexane	20	17.7	ug/Kg	89			77	123	
	Benzene	20	19.4	ug/Kg	97			84	121	
	1,2-Dichloroethane	20	20.2	ug/Kg	101			81	126	
	Trichloroethene	20	18.8	ug/Kg	94			83	122	
	1,2-Dichloropropane	20	20.2	ug/Kg	101			83	122	
	Bromodichloromethane	20	19.8	ug/Kg	99			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	19.2	ug/Kg	96			83	122	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			78	124	
	cis-1,3-Dichloropropene	20	19.2	ug/Kg	96			81	122	
	1,1,2-Trichloroethane	20	20.0	ug/Kg	100			82	125	
	2-Hexanone	100	98.1	ug/Kg	98			66	138	
	Dibromochloromethane	20	20.0	ug/Kg	100			79	125	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			80	125	
	Tetrachloroethene	20	18.3	ug/Kg	92			83	125	
	Chlorobenzene	20	18.6	ug/Kg	93			84	122	
	Ethyl Benzene	20	17.8	ug/Kg	89			82	124	
	m/p-Xylenes	40	36.6	ug/Kg	92			83	124	
	o-Xylene	20	18.2	ug/Kg	91			83	123	
	Styrene	20	18.6	ug/Kg	93			82	124	
	Bromoform	20	18.8	ug/Kg	94			75	127	
	Isopropylbenzene	20	17.1	ug/Kg	86			82	124	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/Kg	94			77	127	
	1,3-Dichlorobenzene	20	17.7	ug/Kg	89			83	122	
	1,4-Dichlorobenzene	20	18.0	ug/Kg	90			84	121	
	1,2-Dichlorobenzene	20	18.2	ug/Kg	91			83	124	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: SW8260D **Datafile :** VY021428.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0306SBS01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97			66	134	
	1,2,4-Trichlorobenzene	20	17.3	ug/Kg	86			78	127	
	1,2,3-Trichlorobenzene	20	17.4	ug/Kg	87			70	137	

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0227SBL01

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021347.D Lab Sample ID: VY0227SBL01

Date Analyzed: 02/27/2025 Time Analyzed: 10:42

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
VY0227SBS01	VY0227SBS01	VY021348.D	02/27/2025
P001-CLAY-CF01-02	Q1421-07	VY021359.D	02/27/2025
P001-CLAY-CF01-01	Q1421-01	VY021360.D	02/27/2025
P001-CLAY-CF01-01MS	Q1421-02MS	VY021371.D	02/27/2025
P001-CLAY-CF01-01MSD	Q1421-03MSD	VY021372.D	02/27/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0228SBL01

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021376.D Lab Sample ID: VY0228SBL01

Date Analyzed: 02/28/2025 Time Analyzed: 10:59

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
VY0228SBS01	VY0228SBS01	VY021377.D	02/28/2025
P001-CLAY-CF01-02RE	Q1421-07RE	VY021379.D	02/28/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0306SBL01

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021427.D Lab Sample ID: VY0306SBL01

Date Analyzed: 03/06/2025 Time Analyzed: 11:59

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
VY0306SBS01	VY0306SBS01	VY021428.D	03/06/2025
P001-CLAY-CF02-01	Q1421-09	VY021432.D	03/06/2025

COMMENTS:

Raw Data: **VY021308.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021308.D BFB Injection Date: 02/25/2025

Instrument ID: MSVOA_Y BFB Injection Time: 12:10

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	55.4
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	0.7 (0.8) 1
174	50.0 - 100.0% of mass 95	84.7
175	5.0 - 9.0% of mass 174	6.4 (7.5) 1
176	95.0 - 101.0% of mass 174	83.6 (98.8) 1
177	5.0 - 9.0% of mass 176	5.5 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021309.D	02/25/2025	12:40
VSTDICC010	VSTDICC010	VY021310.D	02/25/2025	13:03
VSTDICC020	VSTDICC020	VY021311.D	02/25/2025	13:26
VSTDICCC050	VSTDICCC050	VY021312.D	02/25/2025	14:48
VSTDICC150	VSTDICC150	VY021314.D	02/25/2025	15:57
VSTDICC100	VSTDICC100	VY021316.D	02/25/2025	16:49

Raw Data: **VY021345.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021345.D BFB Injection Date: 02/27/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:41

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	21.8
75	30.0 - 60.0% of mass 95	54.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.2 (1.4) 1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.5 (7.8) 1
176	95.0 - 101.0% of mass 174	80.4 (96.4) 1
177	5.0 - 9.0% of mass 176	5.2 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021346.D	02/27/2025	10:13
VY0227SBL01	VY0227SBL01	VY021347.D	02/27/2025	10:42
VY0227SBS01	VY0227SBS01	VY021348.D	02/27/2025	11:18
P001-CLAY-CF01-02	Q1421-07	VY021359.D	02/27/2025	15:35
P001-CLAY-CF01-01	Q1421-01	VY021360.D	02/27/2025	15:58
P001-CLAY-CF01-01MS	Q1421-02MS	VY021371.D	02/27/2025	20:15
P001-CLAY-CF01-01MSD	Q1421-03MSD	VY021372.D	02/27/2025	20:38

Raw Data: **VY021374.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021374.D BFB Injection Date: 02/28/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:03

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	22.7
75	30.0 - 60.0% of mass 95	56.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.4 (1.6) 1
174	50.0 - 100.0% of mass 95	84
175	5.0 - 9.0% of mass 174	6.5 (7.7) 1
176	95.0 - 101.0% of mass 174	80.5 (95.9) 1
177	5.0 - 9.0% of mass 176	5.2 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021375.D	02/28/2025	09:44
VY0228SBL01	VY0228SBL01	VY021376.D	02/28/2025	10:59
VY0228SBS01	VY0228SBS01	VY021377.D	02/28/2025	11:32
P001-CLAY-CF01-02RE	Q1421-07RE	VY021379.D	02/28/2025	12:56

Raw Data: **VY021395.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021395.D BFB Injection Date: 03/04/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	54.3
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	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6.6 (8.4) 1
176	95.0 - 101.0% of mass 174	75.7 (97.2) 1
177	5.0 - 9.0% of mass 176	5 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC010	VSTDICC010	VY021397.D	03/04/2025	09:46
VSTDICC020	VSTDICC020	VY021398.D	03/04/2025	10:09
VSTDICCC050	VSTDICCC050	VY021399.D	03/04/2025	10:30
VSTDICC100	VSTDICC100	VY021400.D	03/04/2025	11:06
VSTDICC150	VSTDICC150	VY021401.D	03/04/2025	11:29
VSTDICC005	VSTDICC005	VY021403.D	03/04/2025	12:15

Raw Data: **VY021425.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021425.D BFB Injection Date: 03/06/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:39

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	21.2
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	82.3
175	5.0 - 9.0% of mass 174	6.2 (7.5) 1
176	95.0 - 101.0% of mass 174	79.6 (96.8) 1
177	5.0 - 9.0% of mass 176	5.7 (7.1) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021426.D	03/06/2025	10:10
VY0306SBL01	VY0306SBL01	VY021427.D	03/06/2025	11:59
VY0306SBS01	VY0306SBS01	VY021428.D	03/06/2025	12:33
P001-CLAY-CF02-01	Q1421-09	VY021432.D	03/06/2025	14:15

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021346.D Date Analyzed: 02/27/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:13

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	216838		7.71	336652		8.62	298167		11.42
UPPER LIMIT	433676		8.207	673304		9.116	596334		11.92
LOWER LIMIT	108419		7.207	168326		8.116	149084		10.92
EPA SAMPLE NO.									
P001-CLAY-CF01-01	78369	*	7.71	138230	*	8.61	120526	*	11.41
P001-CLAY-CF01-01MS	141028		7.71	230342		8.62	163009		11.41
P001-CLAY-CF01-01MSD	155726		7.71	236506		8.62	174171		11.41
P001-CLAY-CF01-02	68546	*	7.71	116399	*	8.62	100018	*	11.41
VY0227SBL01	140233		7.71	264026		8.62	255103		11.41
VY0227SBS01	199987		7.71	311959		8.62	272418		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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021346.D Date Analyzed: 02/27/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:13

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #		RT #				
12 HOUR STD	146841		13.347				
UPPER LIMIT	293682		13.847				
LOWER LIMIT	73420.5		12.847				
EPA SAMPLE NO.							
P001-CLAY-CF01-01	44512	*	13.35				
P001-CLAY-CF01-01MS	46476	*	13.35				
P001-CLAY-CF01-01MSD	64665	*	13.35				
P001-CLAY-CF01-02	36575	*	13.35				
VY0227SBL01	107368		13.35				
VY0227SBS01	138215		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.**

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021375.D Date Analyzed: 02/28/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:44

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	170466	7.71	255493	8.62	227302	11.42
UPPER LIMIT	340932	8.207	510986	9.116	454604	11.92
LOWER LIMIT	85233	7.207	127747	8.116	113651	10.92
EPA SAMPLE NO.						
P001-CLAY-CF01-02RE	106394	7.71	179401	8.62	142440	11.41
VY0228SBL01	105534	7.71	180558	8.62	159029	11.42
VY0228SBS01	168970	7.71	257471	8.62	224033	11.42

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021375.D Date Analyzed: 02/28/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:44

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #		RT #				
12 HOUR STD	113605		13.353				
UPPER LIMIT	227210		13.853				
LOWER LIMIT	56802.5		12.853				
EPA SAMPLE NO.							
P001-CLAY-CF01-02RE	40324	*	13.35				
VY0228SBL01	59388		13.35				
VY0228SBS01	115456		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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021426.D Date Analyzed: 03/06/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:10

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	228274	7.71	348529	8.61	321426	11.41
UPPER LIMIT	456548	8.207	697058	9.11	642852	11.914
LOWER LIMIT	114137	7.207	174265	8.11	160713	10.914
EPA SAMPLE NO.						
P001-CLAY-CF02-01	242960	7.71	448371	8.62	395078	11.42
VY0306SBL01	249443	7.71	460921	8.62	405928	11.42
VY0306SBS01	200172	7.71	318431	8.62	292608	11.42

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab File ID: VY021426.D Date Analyzed: 03/06/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:10

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	168733	13.346				
UPPER LIMIT	337466	13.846				
LOWER LIMIT	84366.5	12.846				
EPA SAMPLE NO.						
P001-CLAY-CF02-01	150738	13.35				
VY0306SBL01	156000	13.35				
VY0306SBS01	152176	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

Raw Data: **VY021360.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	70.3
Sample Wt/Vol:	5.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021360.D	1		02/27/25 15:58	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.00	U	2.00	6.20	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.20	ug/Kg
75-01-4	Vinyl Chloride	0.95	U	0.95	6.20	ug/Kg
74-83-9	Bromomethane	1.30	U	1.30	6.20	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	6.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	6.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.97	U	0.97	6.20	ug/Kg
67-64-1	Acetone	54.6		7.70	31.0	ug/Kg
75-15-0	Carbon Disulfide	1.60	U	1.60	6.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.83	U	0.83	6.20	ug/Kg
79-20-9	Methyl Acetate	2.20	U	2.20	6.20	ug/Kg
75-09-2	Methylene Chloride	4.20	U	4.20	12.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.00	U	1.00	6.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.78	U	0.78	6.20	ug/Kg
110-82-7	Cyclohexane	0.85	U	0.85	6.20	ug/Kg
78-93-3	2-Butanone	7.00	U	7.00	31.0	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	6.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.76	U	0.76	6.20	ug/Kg
74-97-5	Bromochloromethane	3.00	U	3.00	6.20	ug/Kg
67-66-3	Chloroform	0.83	U	0.83	6.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.97	U	0.97	6.20	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.20	ug/Kg
71-43-2	Benzene	0.89	U	0.89	6.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.76	U	0.76	6.20	ug/Kg
79-01-6	Trichloroethene	0.93	U	0.93	6.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.82	U	0.82	6.20	ug/Kg
75-27-4	Bromodichloromethane	0.69	U	0.69	6.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.40	U	5.40	31.0	ug/Kg
108-88-3	Toluene	0.83	U	0.83	6.20	ug/Kg

Raw Data: **VY021360.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	70.3
Sample Wt/Vol:	5.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021360.D	1		02/27/25 15:58	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.74	U	0.74	6.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.71	U	0.71	6.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	6.20	ug/Kg
591-78-6	2-Hexanone	5.90	U	5.90	31.0	ug/Kg
124-48-1	Dibromochloromethane	0.81	U	0.81	6.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.98	U	0.98	6.20	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	6.20	ug/Kg
108-90-7	Chlorobenzene	0.92	U	0.92	6.20	ug/Kg
100-41-4	Ethyl Benzene	0.77	U	0.77	6.20	ug/Kg
179601-23-1	m/p-Xylenes	1.70	U	1.70	12.4	ug/Kg
95-47-6	o-Xylene	0.87	U	0.87	6.20	ug/Kg
100-42-5	Styrene	0.74	U	0.74	6.20	ug/Kg
75-25-2	Bromoform	1.00	U	1.00	6.20	ug/Kg
98-82-8	Isopropylbenzene	0.83	U	0.83	6.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1.40	6.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.92	U	0.92	6.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.99	U	0.99	6.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.73	U	0.73	6.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	6.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.98	U	0.98	6.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.97	U	0.97	6.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.3		63 - 155	121%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		70 - 134	108%	SPK: 50
2037-26-5	Toluene-d8	47.5		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.2		38 - 136	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	78400	7.707			
540-36-3	1,4-Difluorobenzene	138000	8.61			
3114-55-4	Chlorobenzene-d5	121000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	44500	13.346			

Raw Data: **VY021360.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	70.3
Sample Wt/Vol:	5.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021360.D	1		02/27/25 15:58	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021360.D
Acq On : 27 Feb 2025 15:58
Operator : SY/MD
Sample : Q1421-01
Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01

Quant Time: Feb 28 00:42:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

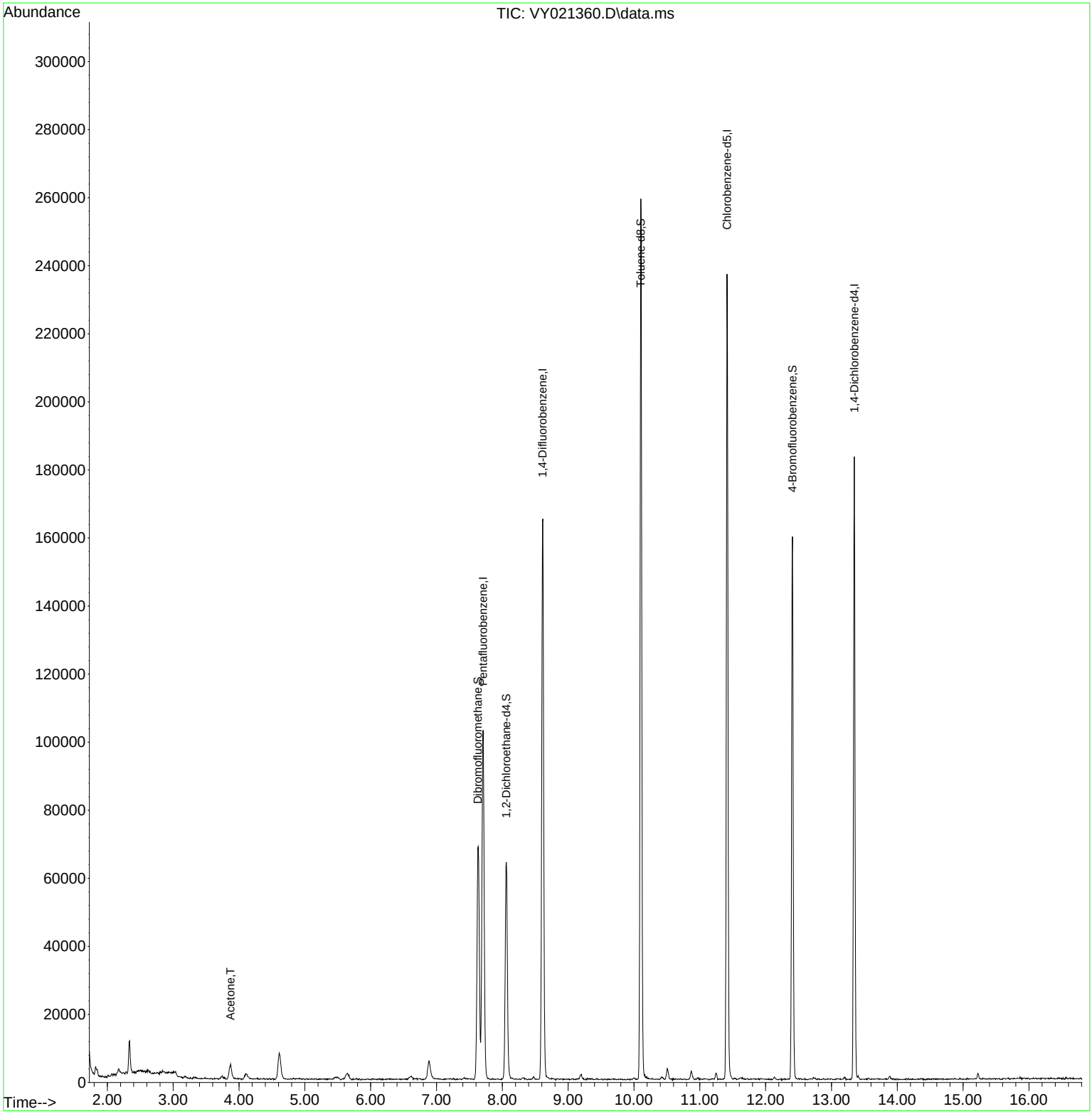
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	78369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	138230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	120526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	44512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	53599	60.290	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.580%			
35) Dibromofluoromethane	7.628	113	48777	53.823	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.640%			
50) Toluene-d8	10.103	98	166190	47.450	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.900%			
62) 4-Bromofluorobenzene	12.408	95	46211	39.205	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.400%			
Target Compounds						Qvalue
16) Acetone	3.873	43	7515	44.067	ug/l #	82

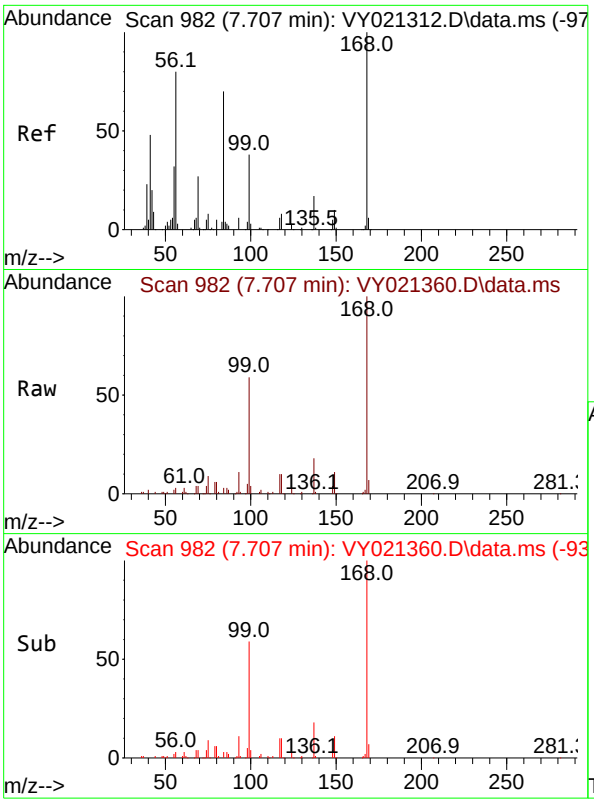
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021360.D
Acq On : 27 Feb 2025 15:58
Operator : SY/MD
Sample : Q1421-01
Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01

Quant Time: Feb 28 00:42:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



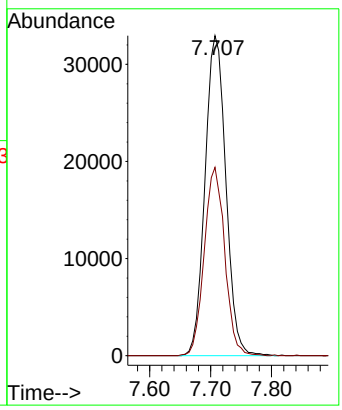


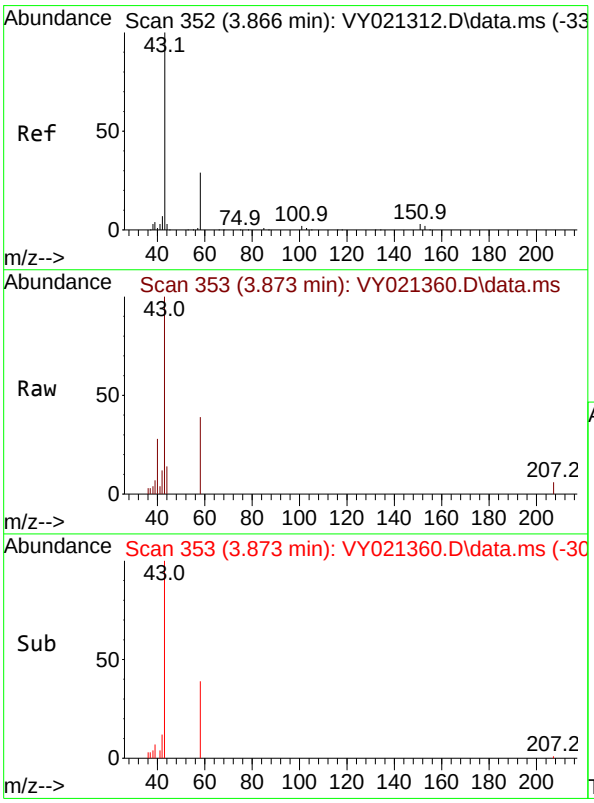
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01

Tgt Ion:168 Resp: 78369

Ion	Ratio	Lower	Upper
168	100		
99	58.8	47.1	70.7

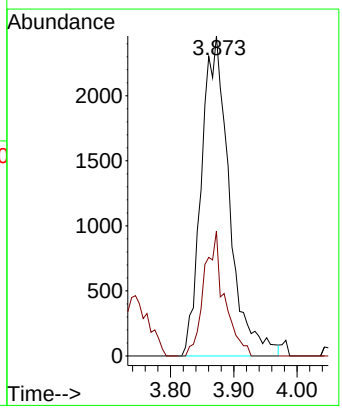


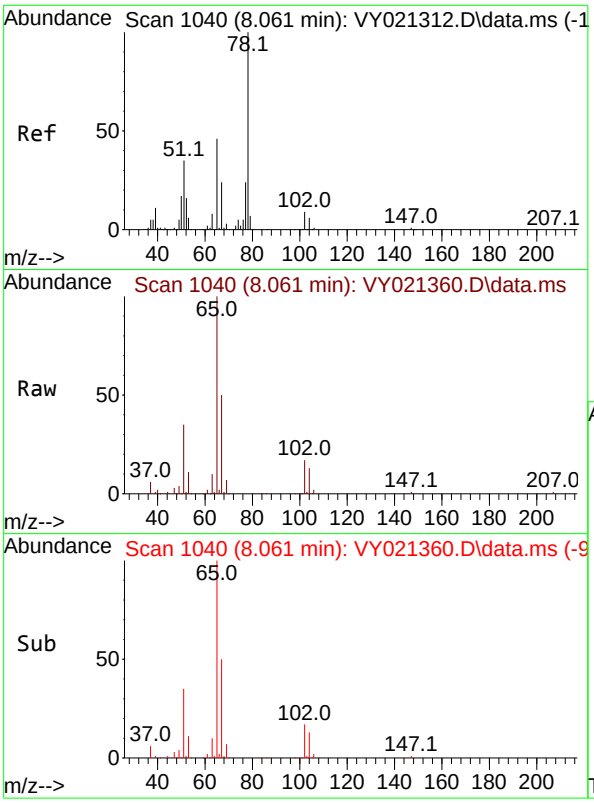


#16
Acetone
Concen: 44.067 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Tgt Ion: 43 Resp: 7515

Ion	Ratio	Lower	Upper
43	100		
58	39.1	23.5	35.3#



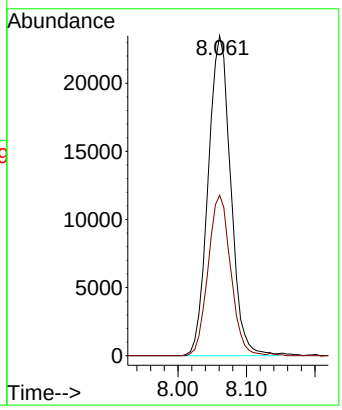


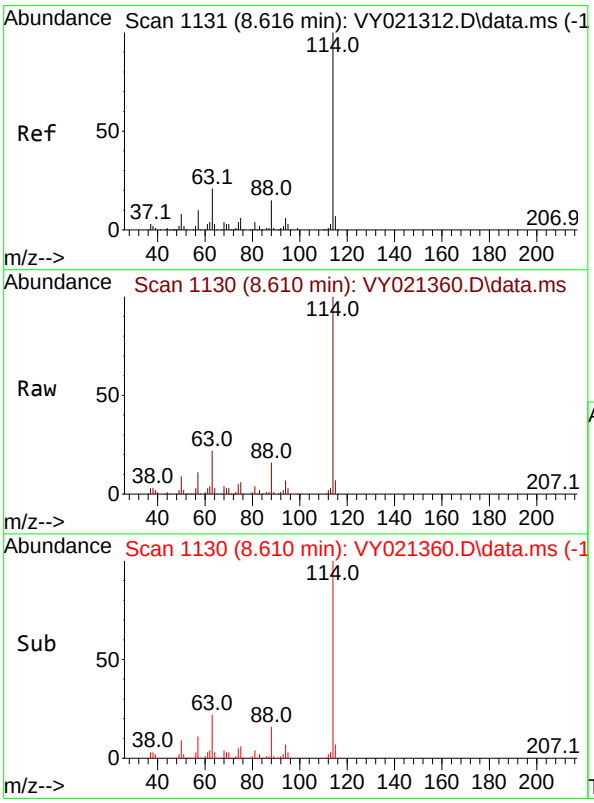
#33
1,2-Dichloroethane-d4
Concen: 60.290 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01

Tgt Ion: 65 Resp: 53599

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	103.6

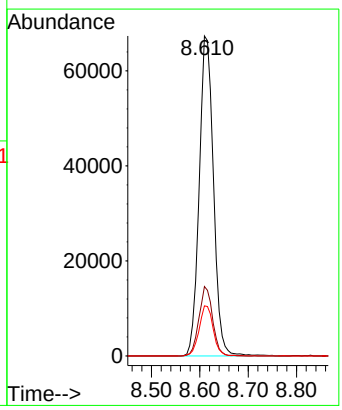


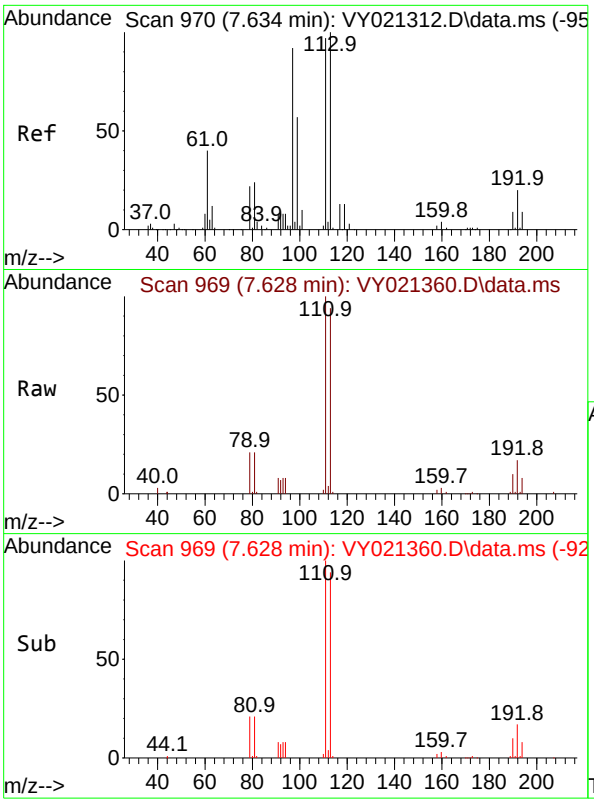


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Tgt Ion:114 Resp: 138230

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	42.2
88	15.7	0.0	29.8



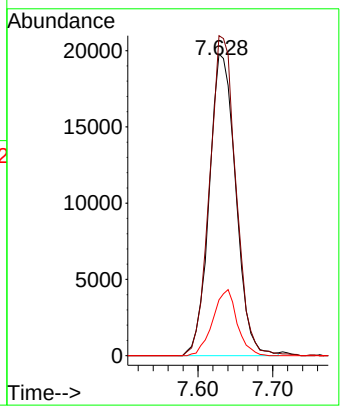


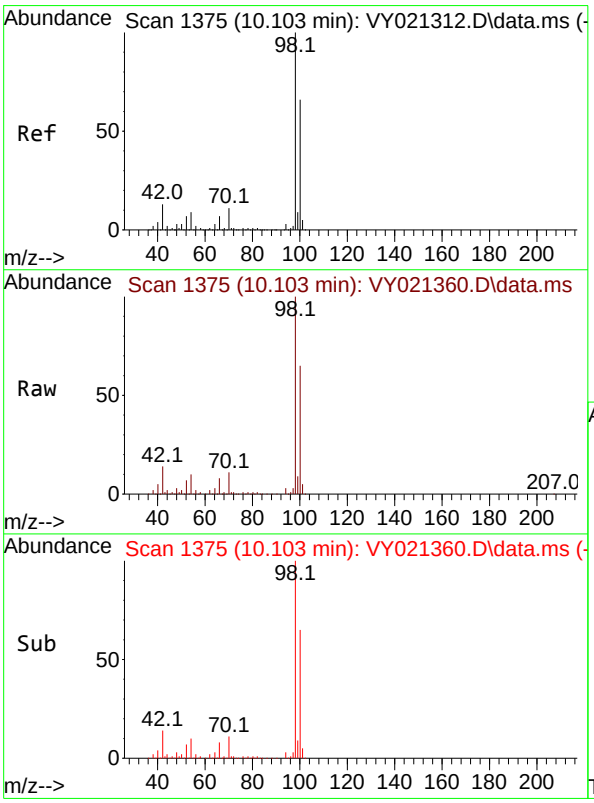
#35
Dibromofluoromethane
Concen: 53.823 ug/l
RT: 7.628 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01

Tgt Ion:113 Resp: 48777

Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.0	121.6
192	20.1	15.8	23.8

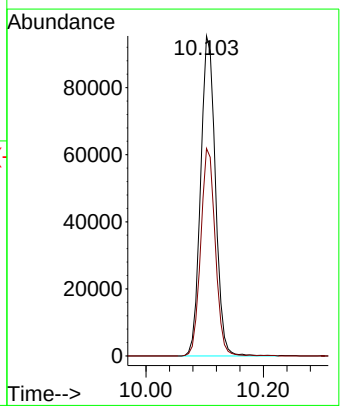


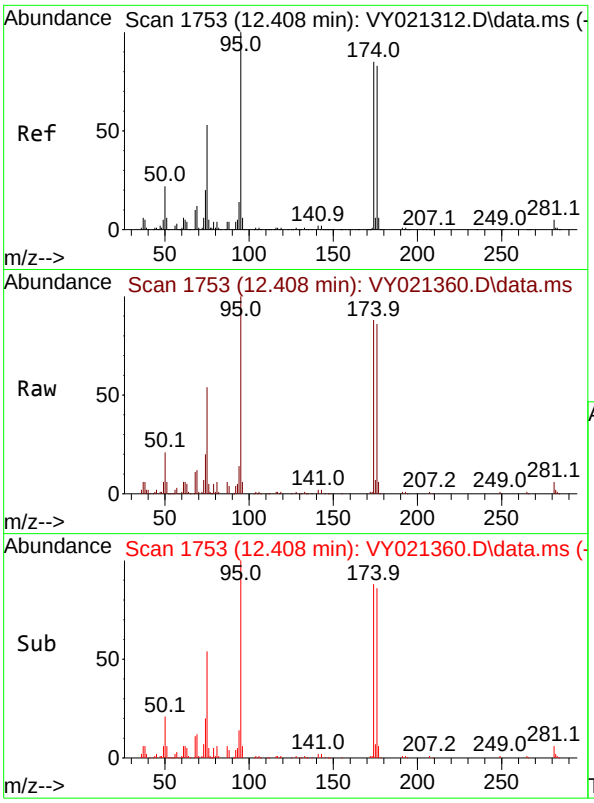


#50
Toluene-d8
Concen: 47.450 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Tgt Ion: 98 Resp: 166190

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.4	78.6



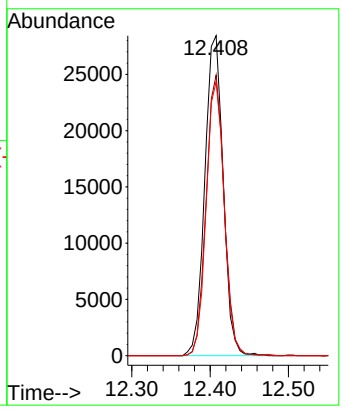


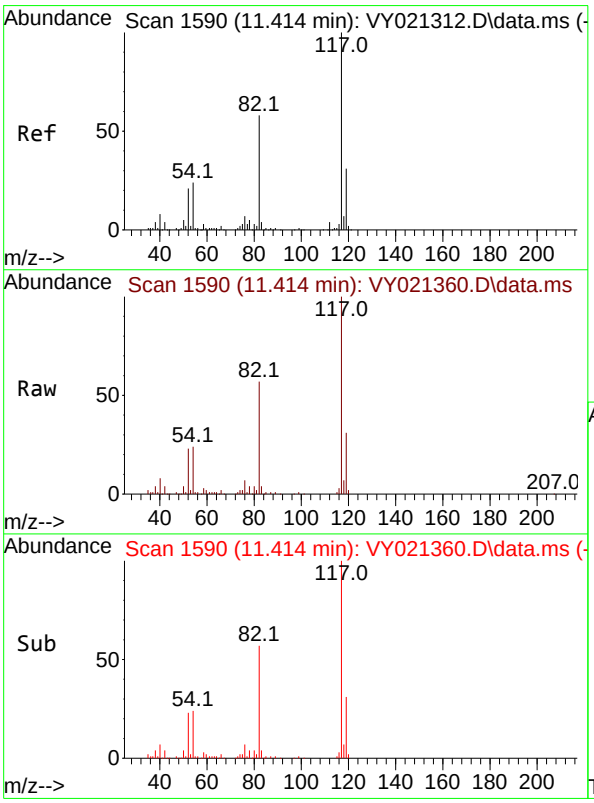
#62
4-Bromofluorobenzene
Concen: 39.205 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01

Tgt Ion: 95 Resp: 46211

Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	168.0
176	83.8	0.0	162.6

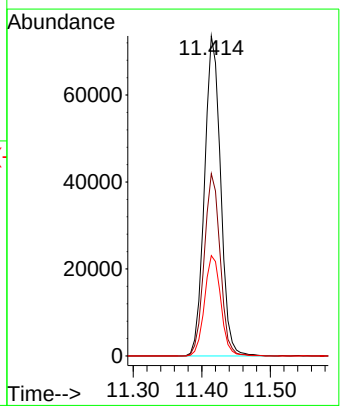


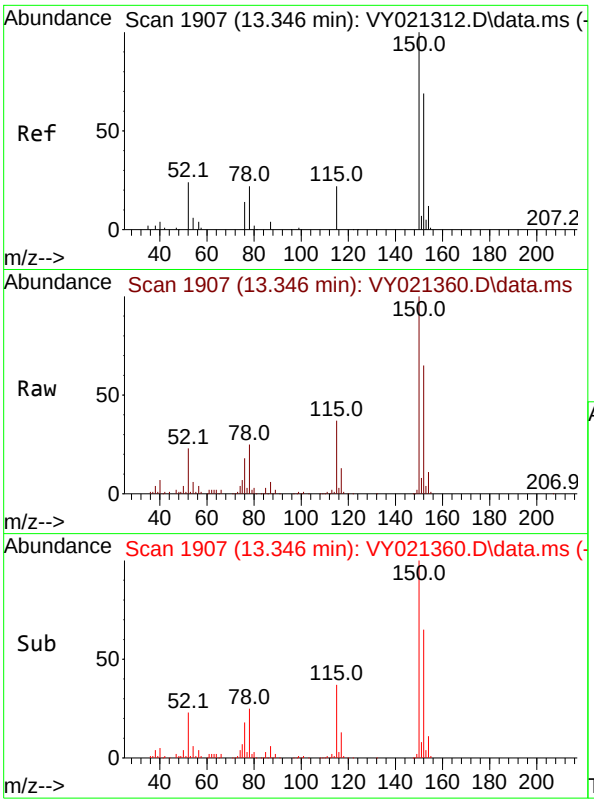


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Tgt Ion:117 Resp: 120526

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.2	69.4
119	31.4	24.9	37.3



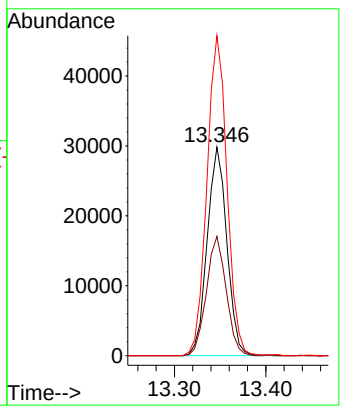


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01

Tgt Ion:152 Resp: 44512

Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.3	88.0
150	156.3	0.0	347.4



Sample Results: **VY021360.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021360.D
Acq On : 27 Feb 2025 15:58
Operator : SY/MD
Sample : Q1421-01
Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01

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\82Y022525S.M
Title : SW846 8260

Signal : TIC: VY021360.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.172	67	74	78	rBV6	2050	5010	1.11%	0.212%
2	2.336	95	101	108	rBV	9644	17400	3.87%	0.735%
3	3.873	344	353	363	rBV	4441	12243	2.72%	0.517%
4	4.610	463	474	486	rBV2	7867	24485	5.44%	1.034%
5	6.884	836	847	859	rBV	5416	16834	3.74%	0.711%
6	7.634	959	970	976	rBV2	68471	170400	37.86%	7.194%
7	7.707	976	982	994	rVB	102431	240498	53.43%	10.153%
8	8.061	1029	1040	1051	rBV2	63797	148422	32.98%	6.266%
9	8.616	1121	1131	1148	rBV	164680	336121	74.68%	14.190%
10	10.103	1368	1375	1384	rBV	258531	450096	100.00%	19.001%
11	10.506	1434	1441	1447	rBV3	3206	6378	1.42%	0.269%
12	10.871	1493	1501	1509	rVB6	2523	5328	1.18%	0.225%
13	11.414	1584	1590	1605	rVB	236620	387717	86.14%	16.368%
14	12.408	1745	1753	1762	rBV	159473	266548	59.22%	11.253%
15	13.346	1897	1907	1915	rBV	183087	281271	62.49%	11.874%

Sum of corrected areas: 2368751

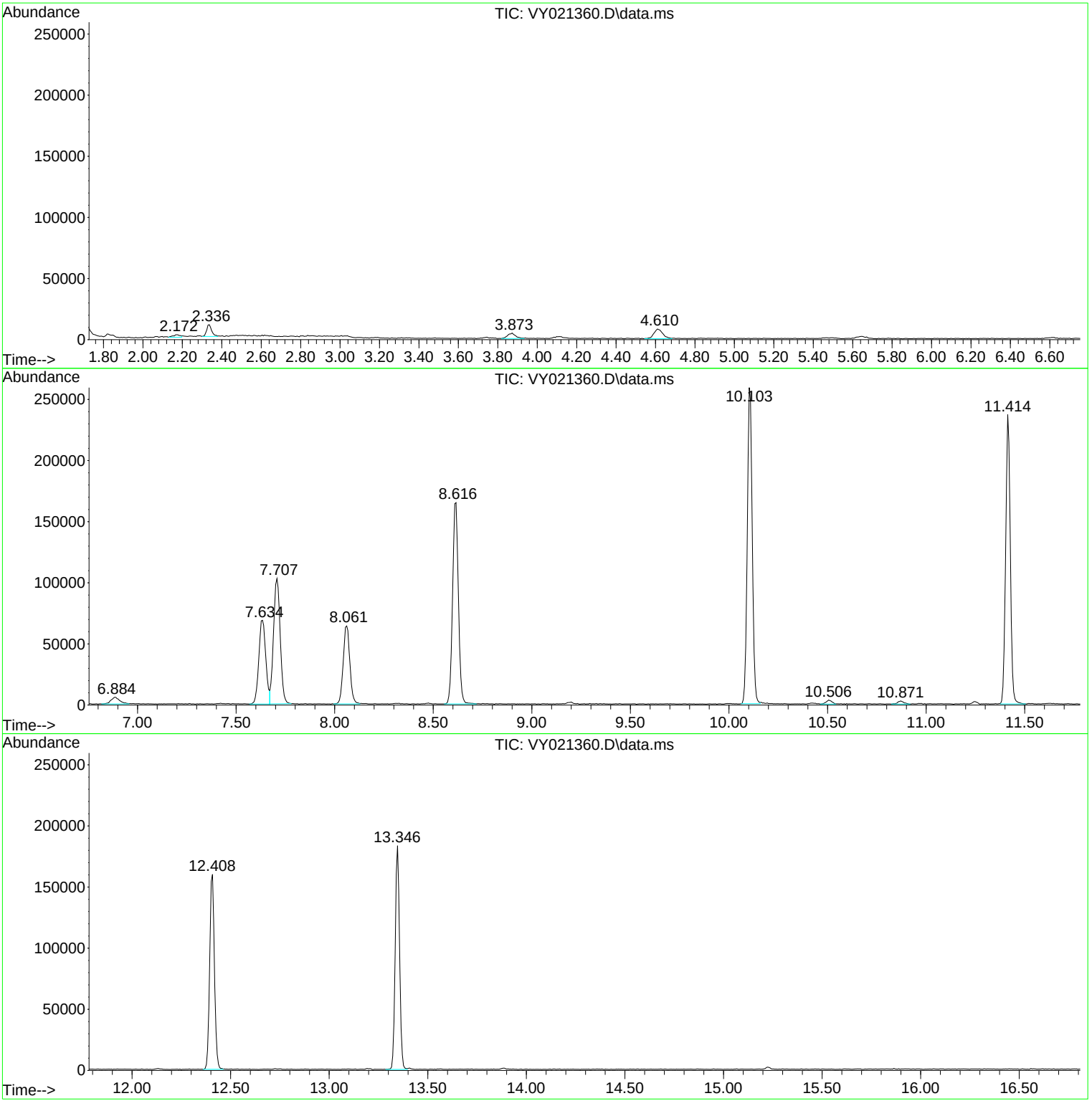
Sample Results: **VY021360.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021360.D
Acq On : 27 Feb 2025 15:58
Operator : SY/MD
Sample : Q1421-01
Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021360.D
Acq On : 27 Feb 2025 15:58
Operator : SY/MD
Sample : Q1421-01
Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.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\VY022725\
Data File : VY021360.D
Acq On : 27 Feb 2025 15:58
Operator : SY/MD
Sample : Q1421-01
Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-02	SDG No.:	Q1421
Lab Sample ID:	Q1421-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	75.2
Sample Wt/Vol:	5.43 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021359.D	1		02/27/25 15:35	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.00	U	2.00	6.10	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.10	ug/Kg
75-01-4	Vinyl Chloride	0.94	U	0.94	6.10	ug/Kg
74-83-9	Bromomethane	1.30	U	1.30	6.10	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	6.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	6.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.96	U	0.96	6.10	ug/Kg
67-64-1	Acetone	35.2		7.60	30.6	ug/Kg
75-15-0	Carbon Disulfide	1.60	U	1.60	6.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.82	U	0.82	6.10	ug/Kg
79-20-9	Methyl Acetate	2.20	U	2.20	6.10	ug/Kg
75-09-2	Methylene Chloride	4.20	U	4.20	12.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.00	U	1.00	6.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.77	U	0.77	6.10	ug/Kg
110-82-7	Cyclohexane	0.84	U	0.84	6.10	ug/Kg
78-93-3	2-Butanone	7.00	U	7.00	30.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	6.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	6.10	ug/Kg
74-97-5	Bromochloromethane	3.00	U	3.00	6.10	ug/Kg
67-66-3	Chloroform	0.82	U	0.82	6.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.96	U	0.96	6.10	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.10	ug/Kg
71-43-2	Benzene	0.88	U	0.88	6.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.75	U	0.75	6.10	ug/Kg
79-01-6	Trichloroethene	0.92	U	0.92	6.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.81	U	0.81	6.10	ug/Kg
75-27-4	Bromodichloromethane	0.69	U	0.69	6.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.30	U	5.30	30.6	ug/Kg
108-88-3	Toluene	0.82	U	0.82	6.10	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-02	SDG No.:	Q1421
Lab Sample ID:	Q1421-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	75.2
Sample Wt/Vol:	5.43 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021359.D	1		02/27/25 15:35	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.73	U	0.73	6.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.70	U	0.70	6.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	6.10	ug/Kg
591-78-6	2-Hexanone	5.90	U	5.90	30.6	ug/Kg
124-48-1	Dibromochloromethane	0.80	U	0.80	6.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.97	U	0.97	6.10	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	6.10	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	6.10	ug/Kg
100-41-4	Ethyl Benzene	0.76	U	0.76	6.10	ug/Kg
179601-23-1	m/p-Xylenes	1.70	U	1.70	12.2	ug/Kg
95-47-6	o-Xylene	0.86	U	0.86	6.10	ug/Kg
100-42-5	Styrene	0.73	U	0.73	6.10	ug/Kg
75-25-2	Bromoform	0.99	U	0.99	6.10	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	0.82	6.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	6.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.91	U	0.91	6.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.98	U	0.98	6.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.72	U	0.72	6.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	6.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.97	U	0.97	6.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.96	U	0.96	6.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		63 - 155	113%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		70 - 134	109%	SPK: 50
2037-26-5	Toluene-d8	46.5		74 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.7		38 - 136	77%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68500	7.707			
540-36-3	1,4-Difluorobenzene	116000	8.616			
3114-55-4	Chlorobenzene-d5	100000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	36600	13.346			

Raw Data: **VY021359.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-02	SDG No.:	Q1421
Lab Sample ID:	Q1421-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	75.2
Sample Wt/Vol:	5.43 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021359.D	1		02/27/25 15:35	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021359.D
Acq On : 27 Feb 2025 15:35
Operator : SY/MD
Sample : Q1421-07
Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02

Quant Time: Feb 28 00:42:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

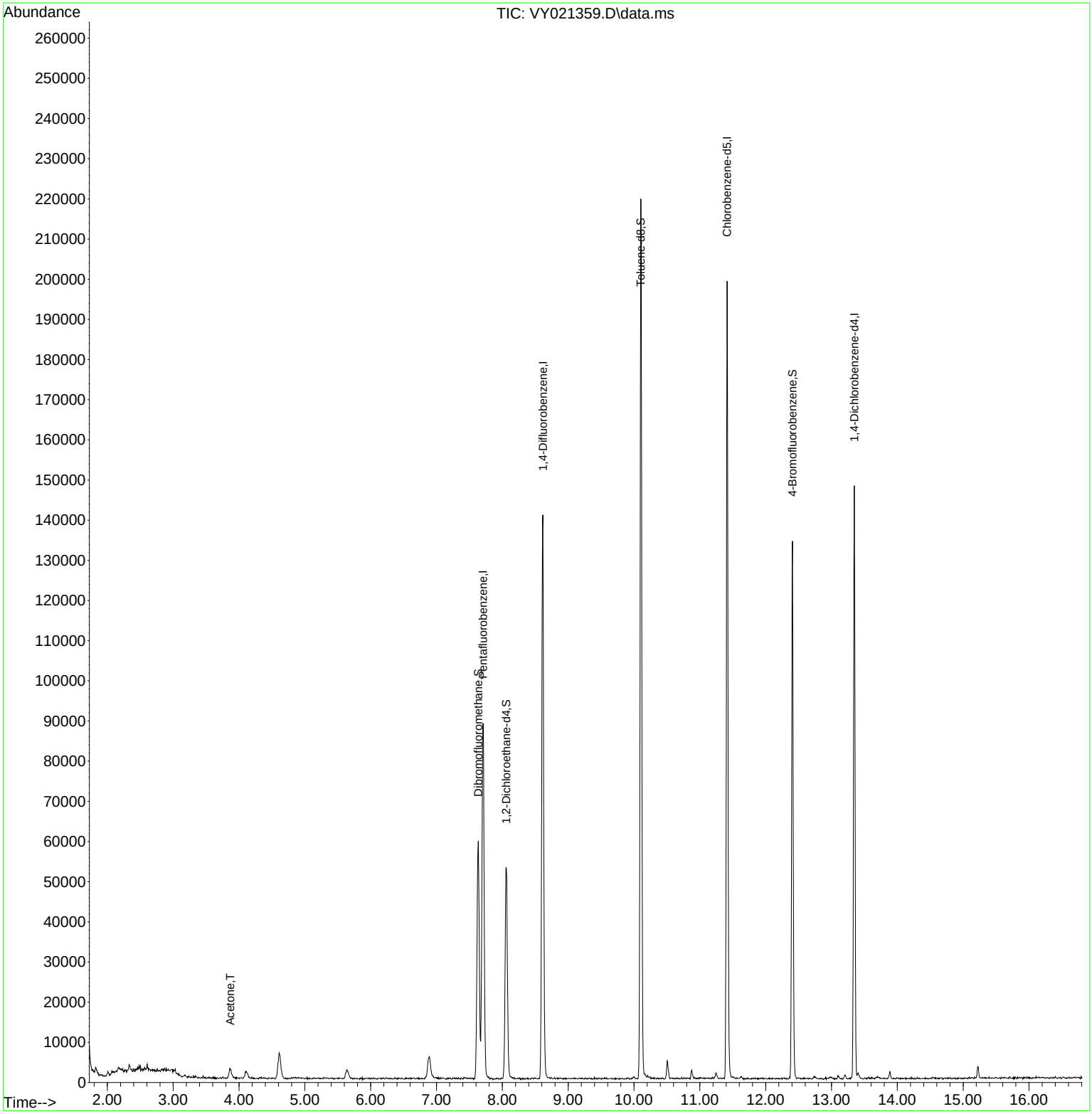
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	68546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	116399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	100018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	36575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	43989	56.571	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.140%			
35) Dibromofluoromethane	7.634	113	41618	54.537	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.080%			
50) Toluene-d8	10.103	98	137133	46.497	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.000%			
62) 4-Bromofluorobenzene	12.408	95	38394	38.682	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.360%			
Target Compounds						Qvalue
16) Acetone	3.866	43	4291	28.768	ug/l #	83

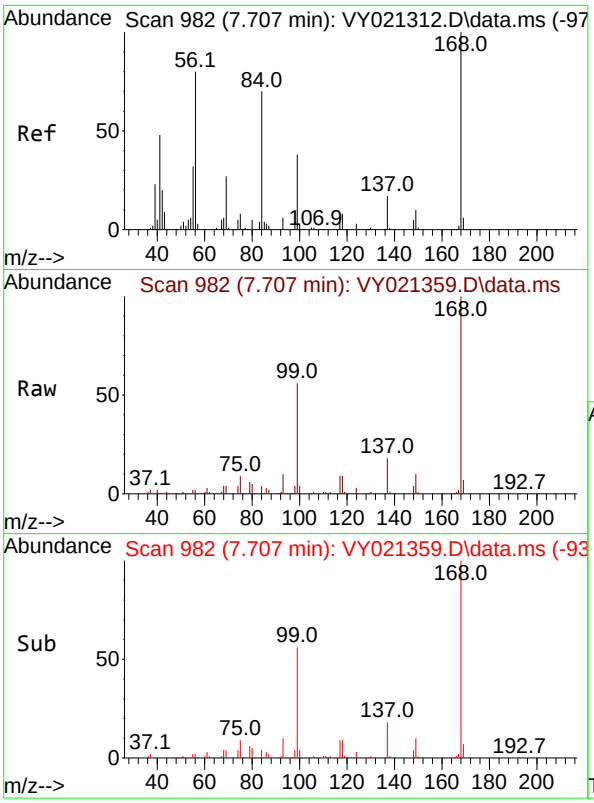
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021359.D
Acq On : 27 Feb 2025 15:35
Operator : SY/MD
Sample : Q1421-07
Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02

Quant Time: Feb 28 00:42:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



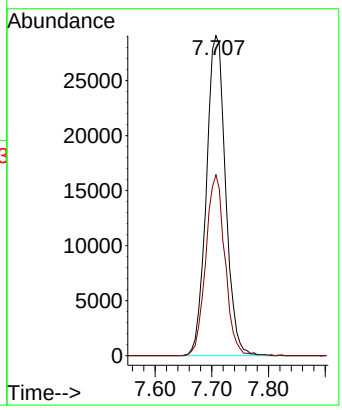


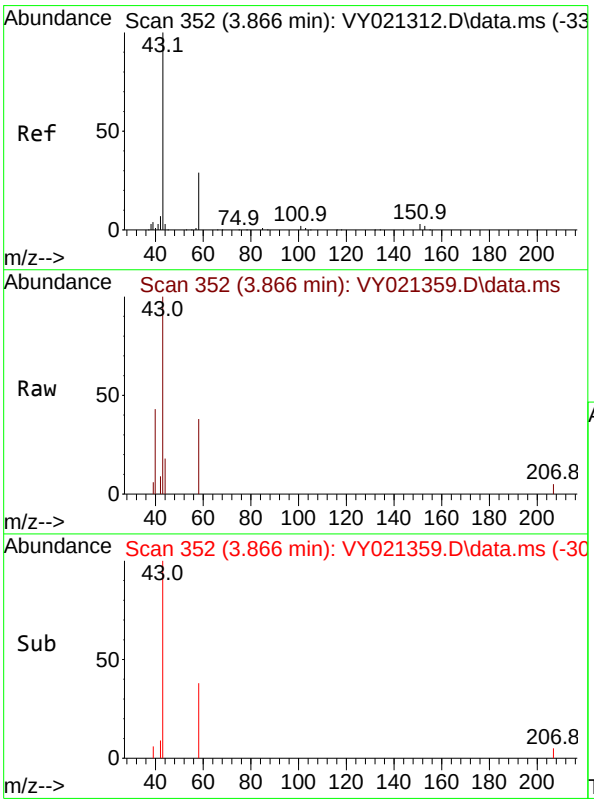
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02

Tgt Ion:168 Resp: 68546

Ion	Ratio	Lower	Upper
168	100		
99	56.5	47.1	70.7

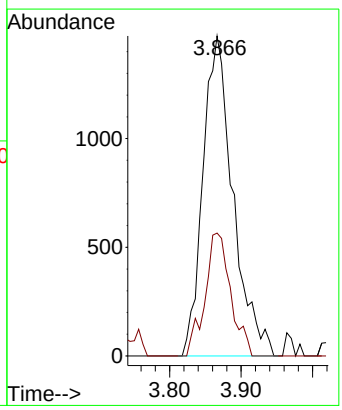


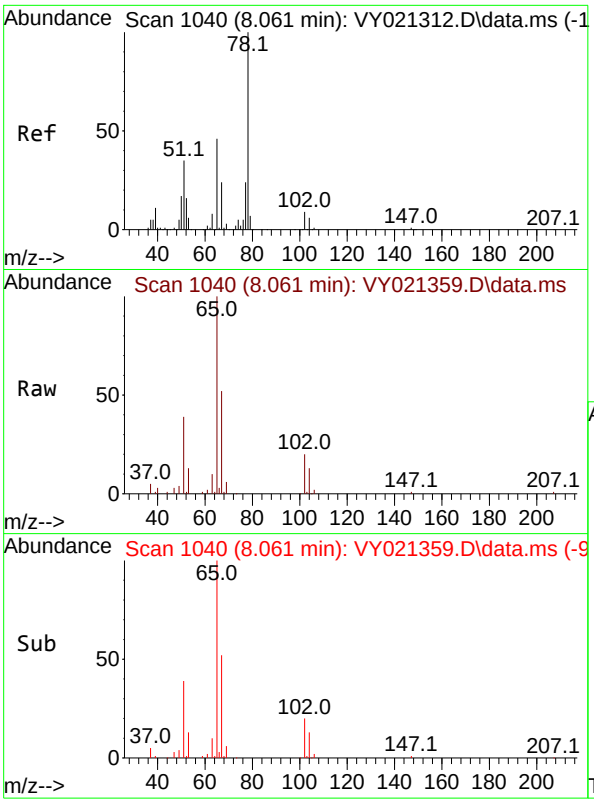


#16
Acetone
Concen: 28.768 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Tgt Ion: 43 Resp: 4291

Ion	Ratio	Lower	Upper
43	100		
58	38.4	23.5	35.3#



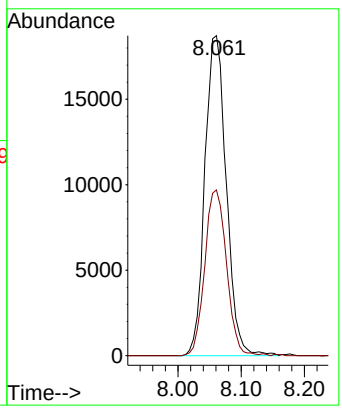


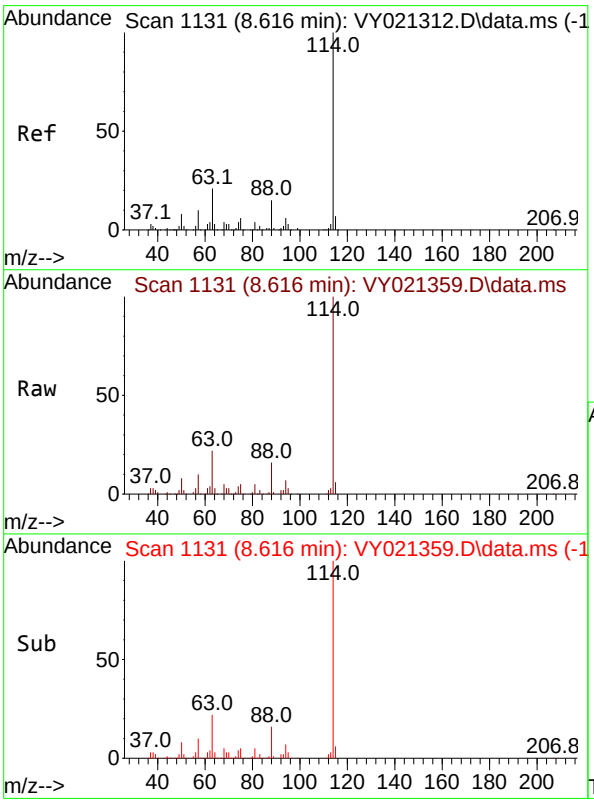
#33
1,2-Dichloroethane-d4
Concen: 56.571 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02

Tgt Ion: 65 Resp: 43989

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	103.6

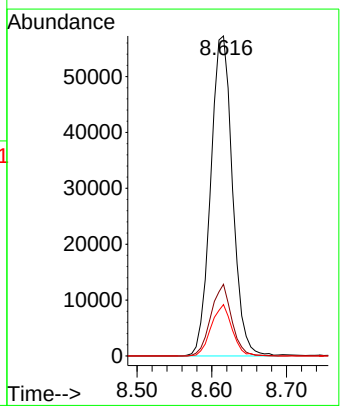


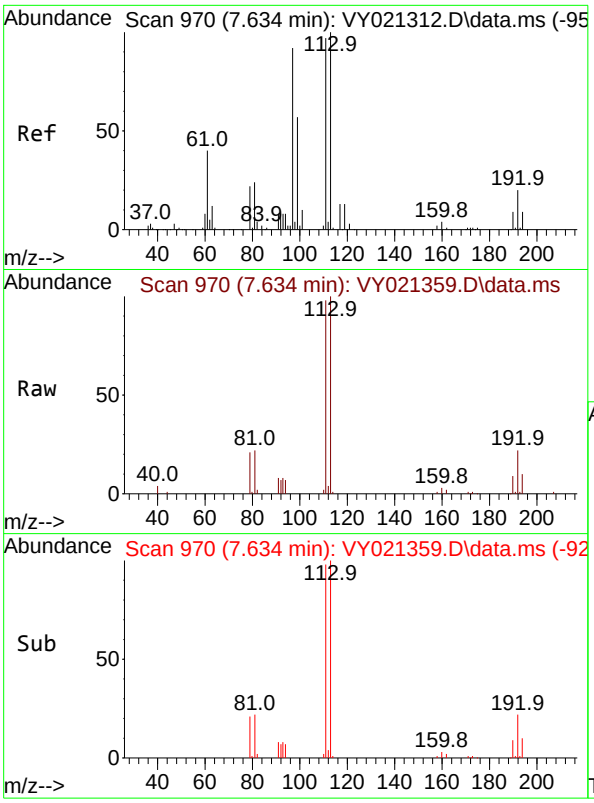


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Tgt Ion:114 Resp: 116399

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	42.2
88	16.1	0.0	29.8



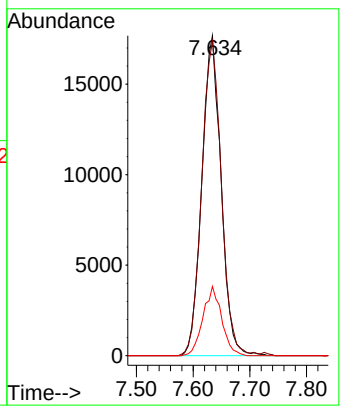


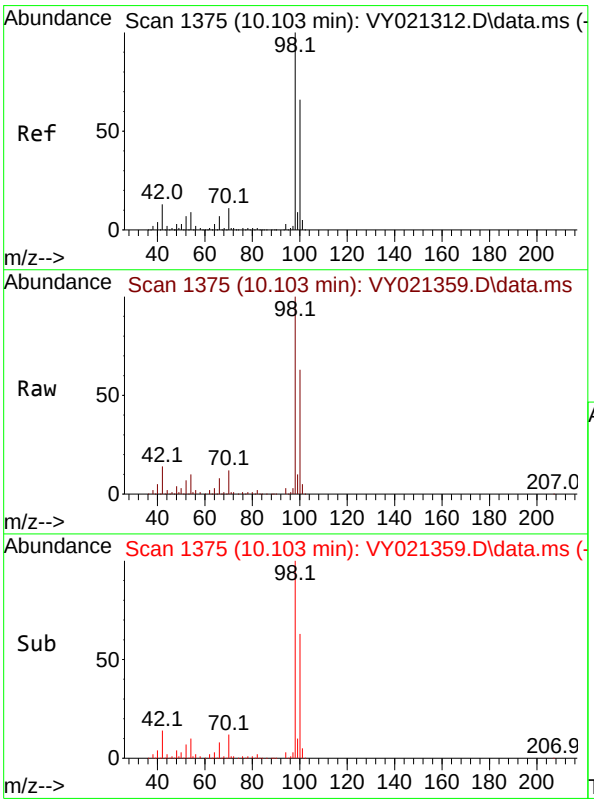
#35
Dibromofluoromethane
Concen: 54.537 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02

Tgt Ion:113 Resp: 41618

Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.0	121.6
192	21.1	15.8	23.8

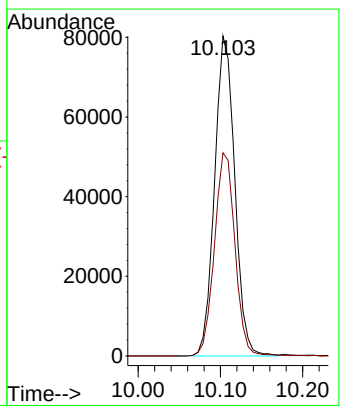


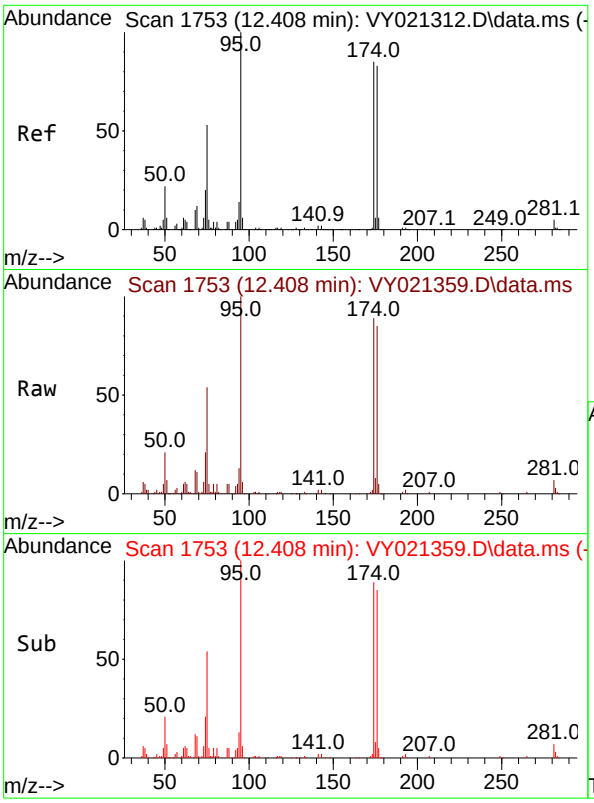


#50
Toluene-d8
Concen: 46.497 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Tgt Ion: 98 Resp: 137133

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6



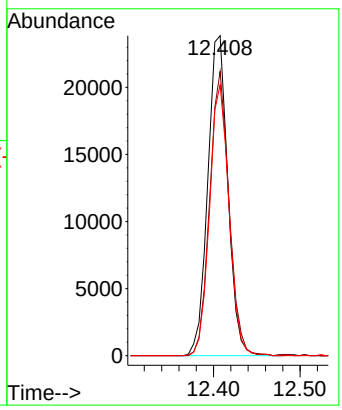


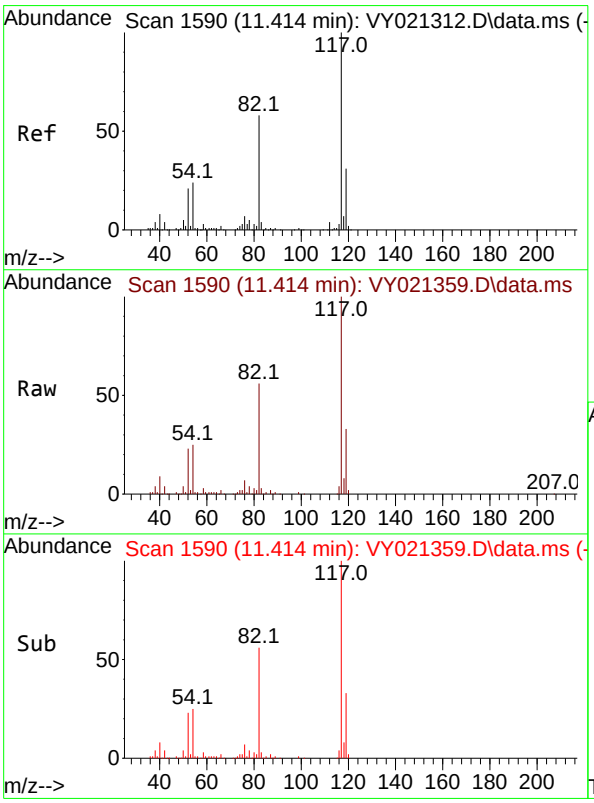
#62
4-Bromofluorobenzene
Concen: 38.682 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02

Tgt Ion: 95 Resp: 38394

Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	168.0
176	82.1	0.0	162.6

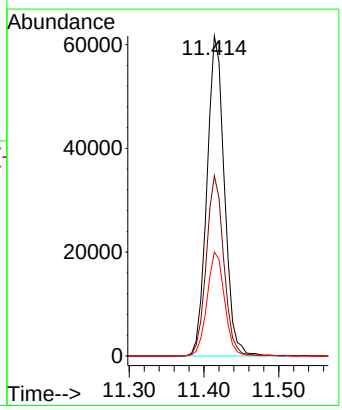


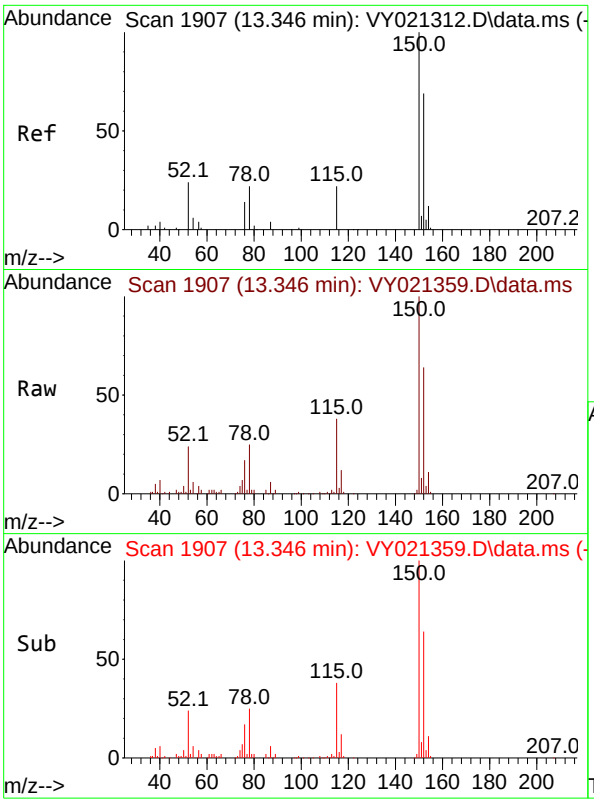


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Tgt Ion:117 Resp: 100018

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.2	69.4
119	32.5	24.9	37.3



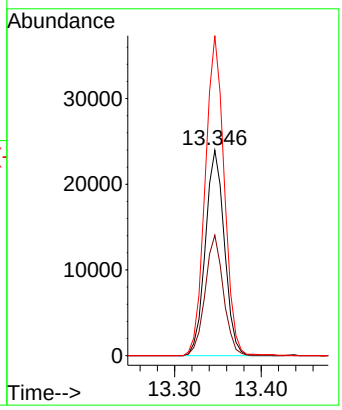


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02

Tgt Ion:152 Resp: 36575

Ion	Ratio	Lower	Upper
152	100		
115	56.5	29.3	88.0
150	155.9	0.0	347.4



Sample Results: **VY021359.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021359.D
Acq On : 27 Feb 2025 15:35
Operator : SY/MD
Sample : Q1421-07
Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02

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\82Y022525S.M
Title : SW846 8260

Signal : TIC: VY021359.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.860	346	351	362	rVB3	2376	6092	1.61%	0.309%
2	4.610	463	474	488	rBV5	6527	20663	5.46%	1.048%
3	5.641	640	643	653	rVB6	2199	5017	1.33%	0.254%
4	6.890	836	848	859	rBV2	5548	19323	5.11%	0.980%
5	7.634	961	970	976	rBV	59296	143158	37.85%	7.259%
6	7.707	976	982	995	rVB	88336	205262	54.26%	10.407%
7	8.055	1031	1039	1050	rBV	52496	126457	33.43%	6.412%
8	8.616	1122	1131	1143	rBV	140367	283968	75.07%	14.398%
9	10.103	1368	1375	1389	rBV	219132	378266	100.00%	19.179%
10	10.505	1435	1441	1447	rBV2	4515	8107	2.14%	0.411%
11	11.414	1583	1590	1601	rBV	198607	323417	85.50%	16.398%
12	12.408	1747	1753	1763	rVB2	133833	219731	58.09%	11.141%
13	13.346	1897	1907	1914	rBV	147725	227938	60.26%	11.557%
14	15.224	2208	2215	2222	rVB4	2892	4869	1.29%	0.247%

Sum of corrected areas: 1972268

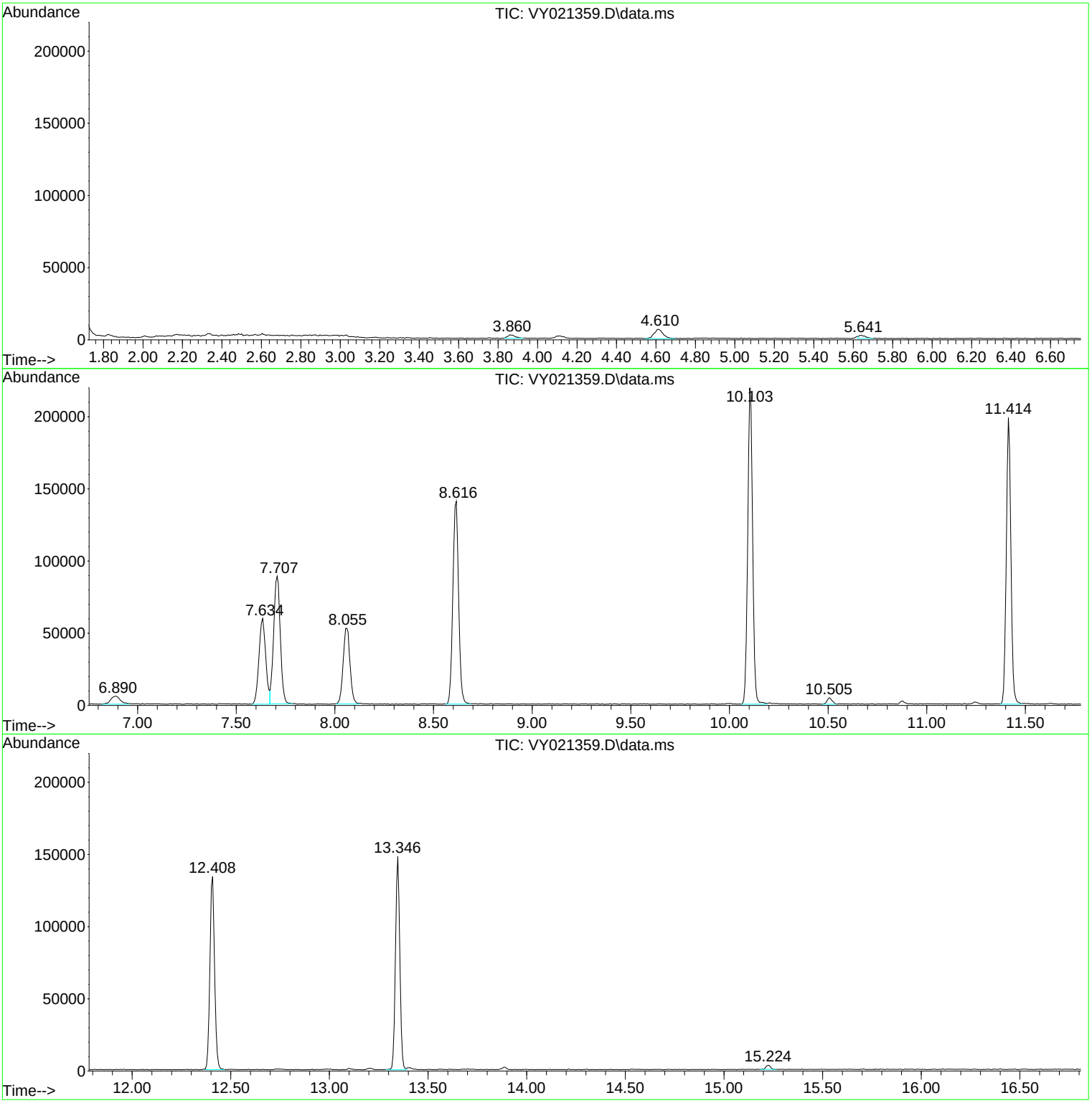
Sample Results: **VY021359.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021359.D
Acq On : 27 Feb 2025 15:35
Operator : SY/MD
Sample : Q1421-07
Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021359.D
Acq On : 27 Feb 2025 15:35
Operator : SY/MD
Sample : Q1421-07
Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.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\VY022725\
Data File : VY021359.D
Acq On : 27 Feb 2025 15:35
Operator : SY/MD
Sample : Q1421-07
Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY021379.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-02RE	SDG No.:	Q1421
Lab Sample ID:	Q1421-07RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	75.2
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021379.D	1		02/28/25 12:56	VY022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.20	U	2.20	6.60	ug/Kg
74-87-3	Chloromethane	1.50	U	1.50	6.60	ug/Kg
75-01-4	Vinyl Chloride	1.00	U	1.00	6.60	ug/Kg
74-83-9	Bromomethane	1.40	U	1.40	6.60	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	6.60	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	6.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	U	1.40	6.60	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	6.60	ug/Kg
67-64-1	Acetone	22.0	J	8.20	33.0	ug/Kg
75-15-0	Carbon Disulfide	1.70	U	1.70	6.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.89	U	0.89	6.60	ug/Kg
79-20-9	Methyl Acetate	2.40	U	2.40	6.60	ug/Kg
75-09-2	Methylene Chloride	4.50	U	4.50	13.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.83	U	0.83	6.60	ug/Kg
110-82-7	Cyclohexane	0.91	U	0.91	6.60	ug/Kg
78-93-3	2-Butanone	7.50	U	7.50	33.0	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.81	U	0.81	6.60	ug/Kg
74-97-5	Bromochloromethane	3.20	U	3.20	6.60	ug/Kg
67-66-3	Chloroform	0.89	U	0.89	6.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	6.60	ug/Kg
108-87-2	Methylcyclohexane	1.20	U	1.20	6.60	ug/Kg
71-43-2	Benzene	0.95	U	0.95	6.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.81	U	0.81	6.60	ug/Kg
79-01-6	Trichloroethene	0.99	U	0.99	6.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.87	U	0.87	6.60	ug/Kg
75-27-4	Bromodichloromethane	0.74	U	0.74	6.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.80	U	5.80	33.0	ug/Kg
108-88-3	Toluene	0.89	U	0.89	6.60	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-02RE	SDG No.:	Q1421
Lab Sample ID:	Q1421-07RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	75.2
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021379.D	1		02/28/25 12:56	VY022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.79	U	0.79	6.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.75	U	0.75	6.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.60	ug/Kg
591-78-6	2-Hexanone	6.30	U	6.30	33.0	ug/Kg
124-48-1	Dibromochloromethane	0.86	U	0.86	6.60	ug/Kg
106-93-4	1,2-Dibromoethane	1.00	U	1.00	6.60	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	6.60	ug/Kg
108-90-7	Chlorobenzene	0.98	U	0.98	6.60	ug/Kg
100-41-4	Ethyl Benzene	0.82	U	0.82	6.60	ug/Kg
179601-23-1	m/p-Xylenes	1.80	U	1.80	13.2	ug/Kg
95-47-6	o-Xylene	0.93	U	0.93	6.60	ug/Kg
100-42-5	Styrene	0.79	U	0.79	6.60	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.60	ug/Kg
98-82-8	Isopropylbenzene	0.89	U	0.89	6.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.98	U	0.98	6.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	6.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.78	U	0.78	6.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	2.10	6.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	6.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.00	U	1.00	6.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		63 - 155	111%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		70 - 134	109%	SPK: 50
2037-26-5	Toluene-d8	46.2		74 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.9		38 - 136	64%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	106000	7.707			
540-36-3	1,4-Difluorobenzene	179000	8.615			
3114-55-4	Chlorobenzene-d5	142000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	40300	13.346			

Raw Data: **VY021379.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-02RE	SDG No.:	Q1421
Lab Sample ID:	Q1421-07RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	75.2
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021379.D	1		02/28/25 12:56	VY022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021379.D
Acq On : 28 Feb 2025 12:56
Operator : SY/MD
Sample : Q1421-07RE
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02RE

Quant Time: Mar 03 00:25:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

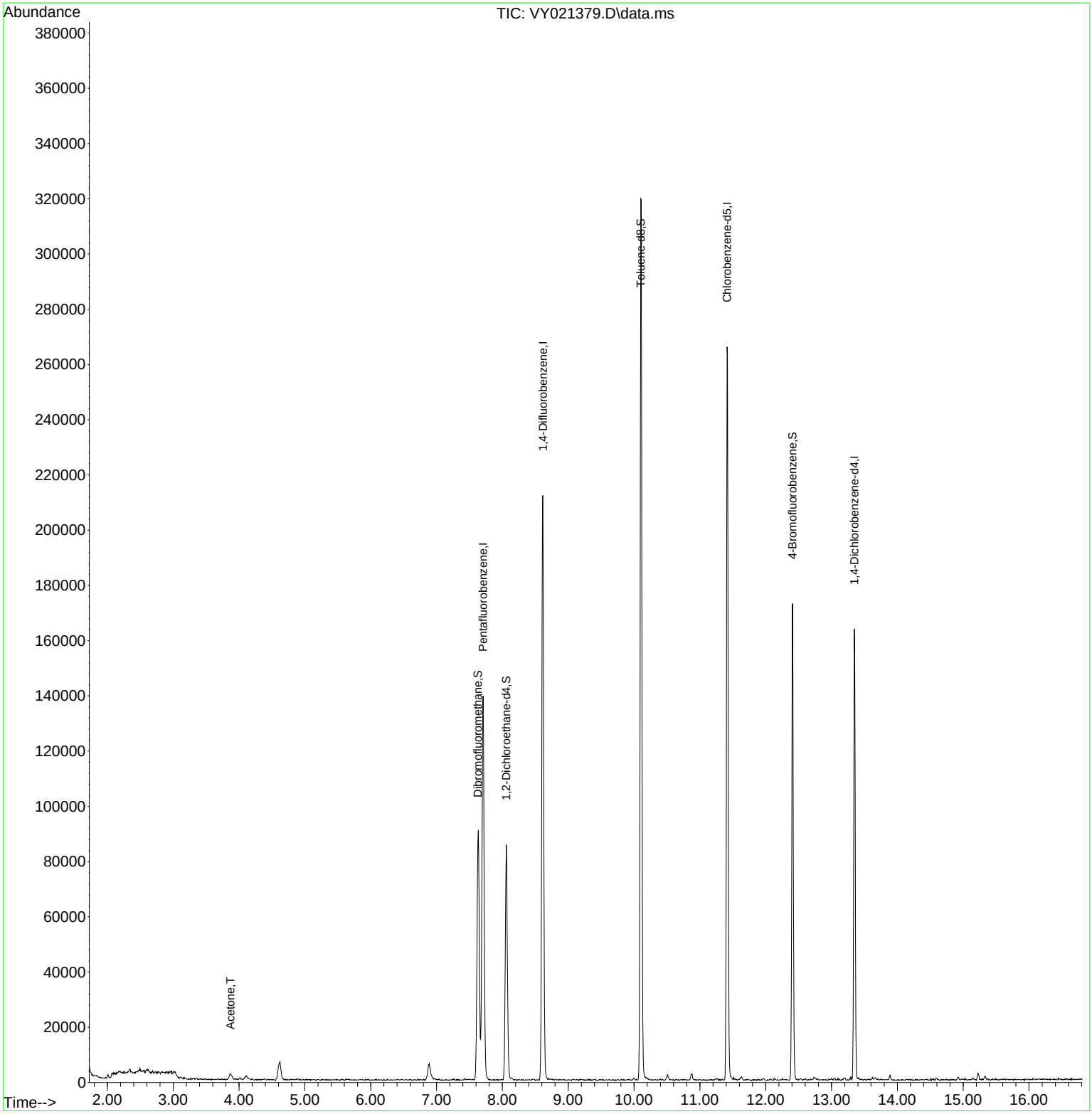
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	106394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	179401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	142440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	40324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	66950	55.471	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.940%			
35) Dibromofluoromethane	7.628	113	63826	54.266	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.540%			
50) Toluene-d8	10.103	98	210035	46.207	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.420%			
62) 4-Bromofluorobenzene	12.407	95	48798	31.899	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 63.800%			
Target Compounds						Qvalue
16) Acetone	3.872	43	3847	16.616	ug/l	98

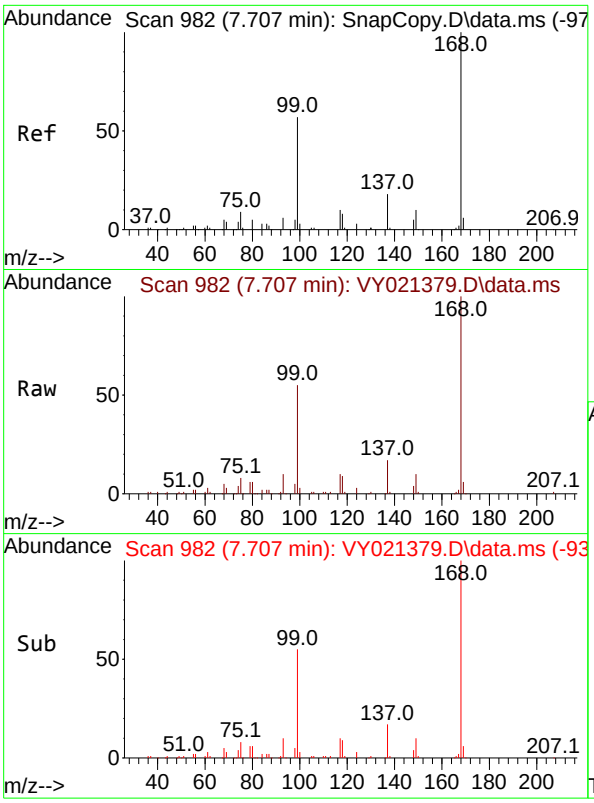
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021379.D
Acq On : 28 Feb 2025 12:56
Operator : SY/MD
Sample : Q1421-07RE
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02RE

Quant Time: Mar 03 00:25:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



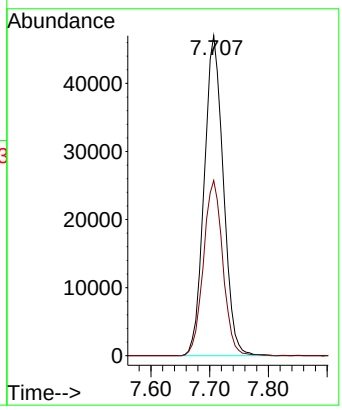


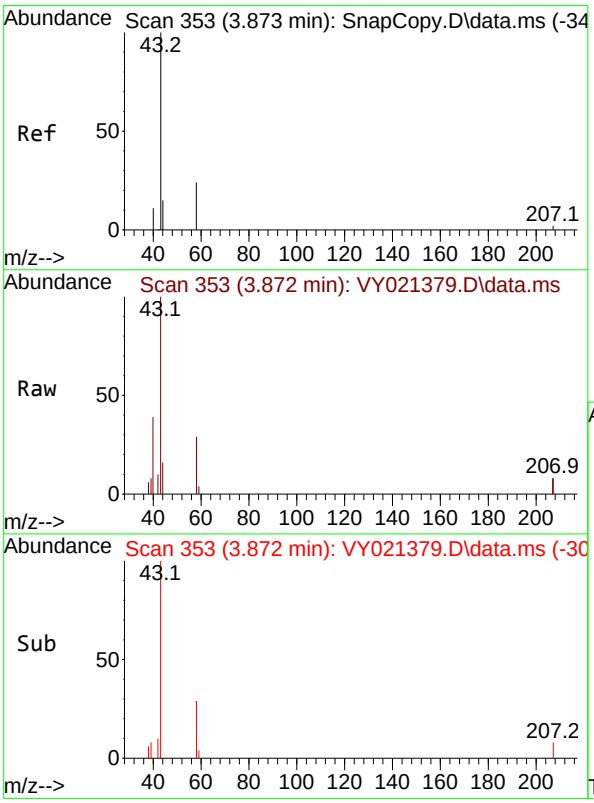
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02RE

Tgt Ion:168 Resp: 106394

Ion	Ratio	Lower	Upper
168	100		
99	54.8	47.1	70.7

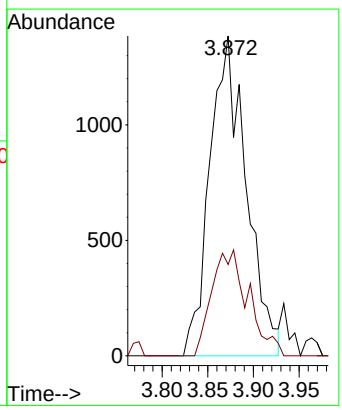


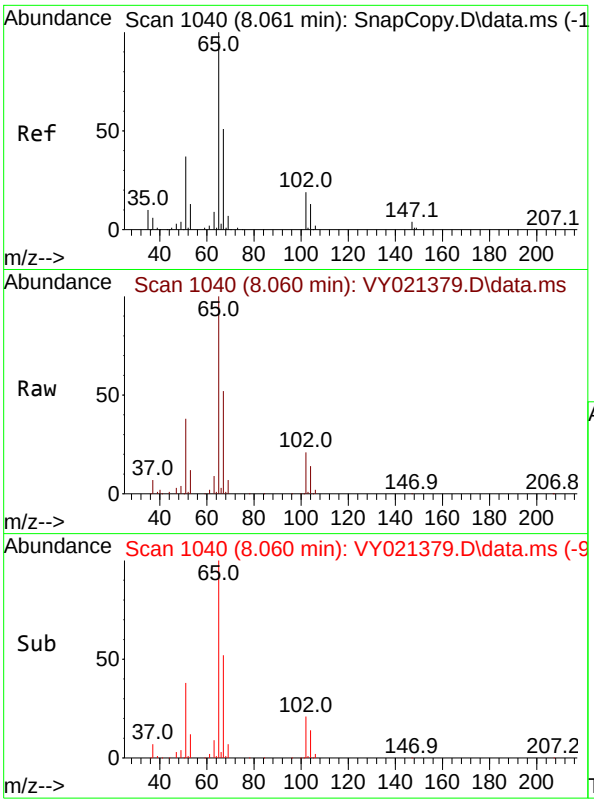


#16
Acetone
Concen: 16.616 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Tgt Ion: 43 Resp: 3847

Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.5	35.3



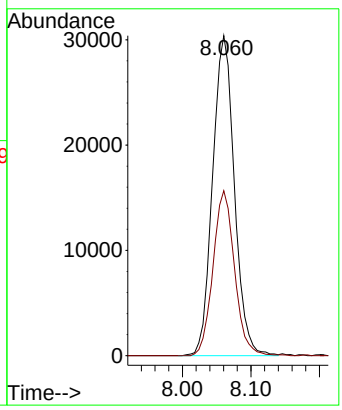


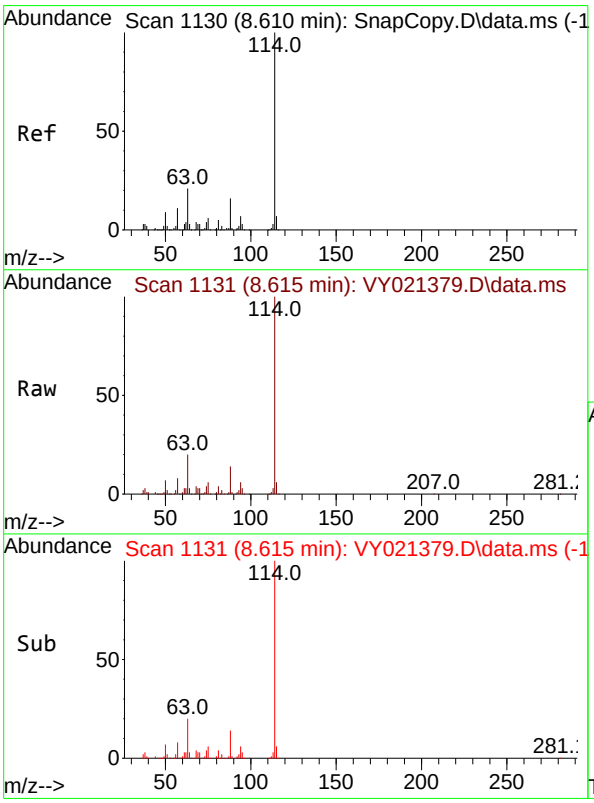
#33
1,2-Dichloroethane-d4
Concen: 55.471 ug/l
RT: 8.060 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02RE

Tgt Ion: 65 Resp: 66950

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	103.6

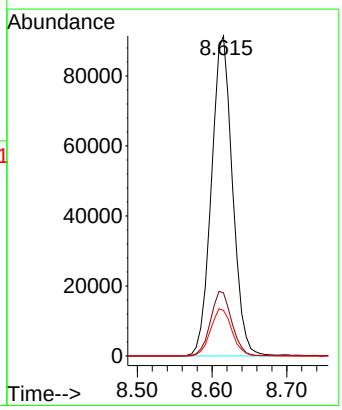


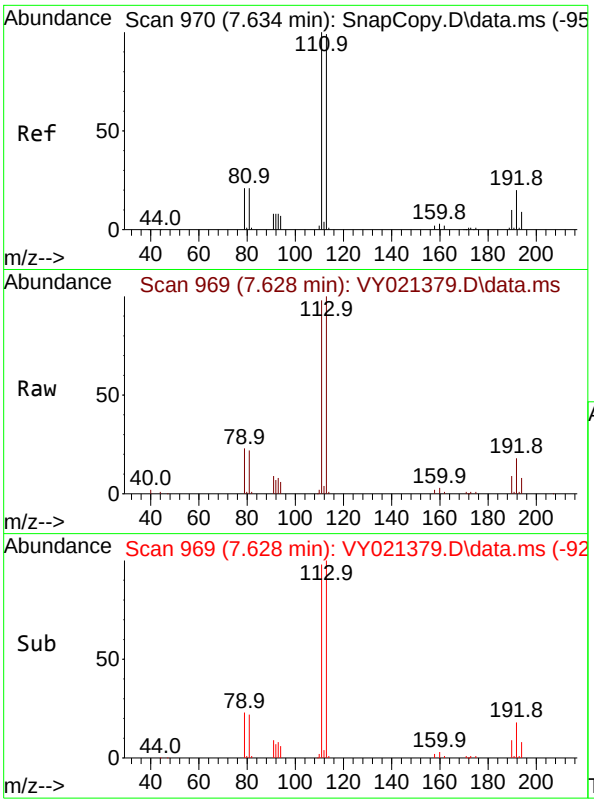


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Tgt Ion:114 Resp: 179401

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	42.2
88	14.3	0.0	29.8



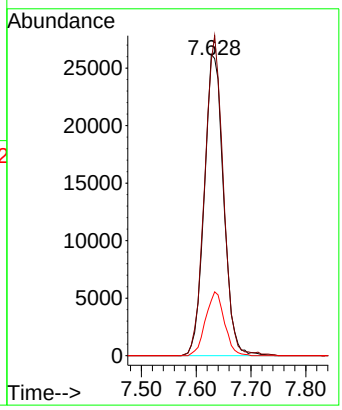


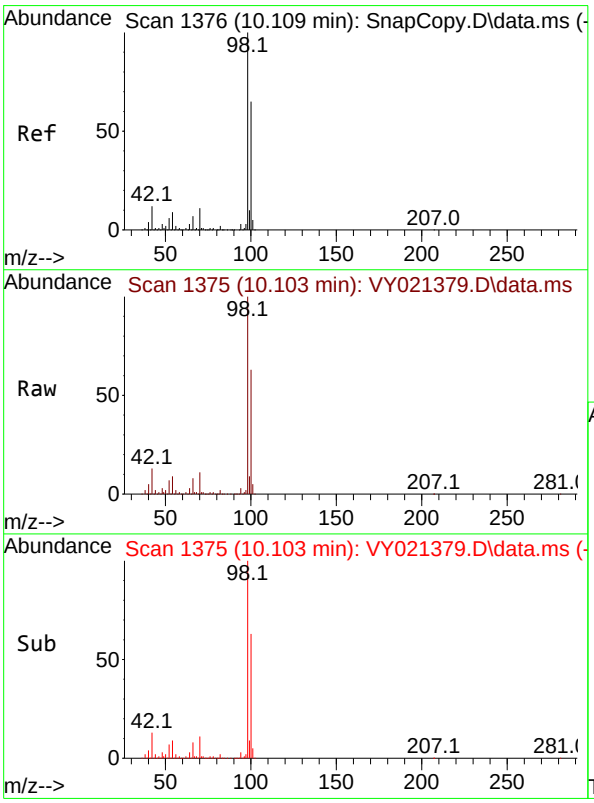
#35
Dibromofluoromethane
Concen: 54.266 ug/l
RT: 7.628 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02RE

Tgt Ion:113 Resp: 63826

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.0	121.6
192	20.7	15.8	23.8

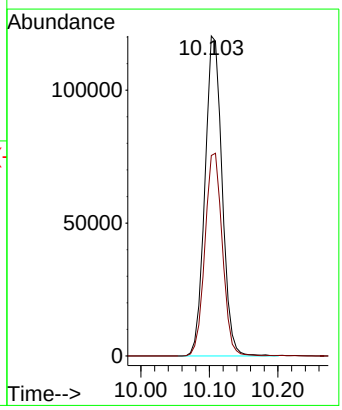


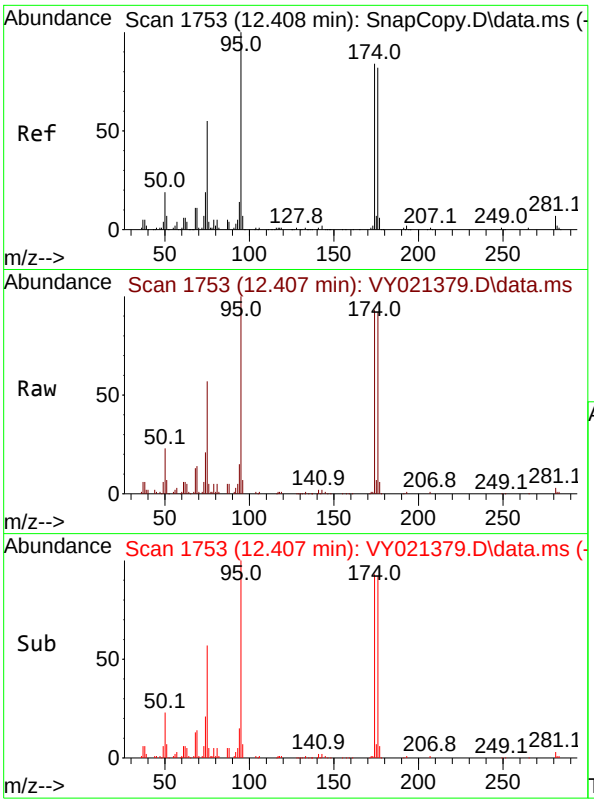


#50
Toluene-d8
Concen: 46.207 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Tgt Ion: 98 Resp: 210035

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.4	78.6



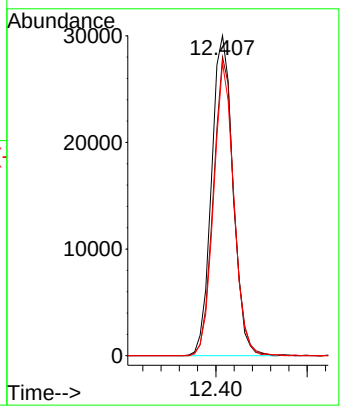


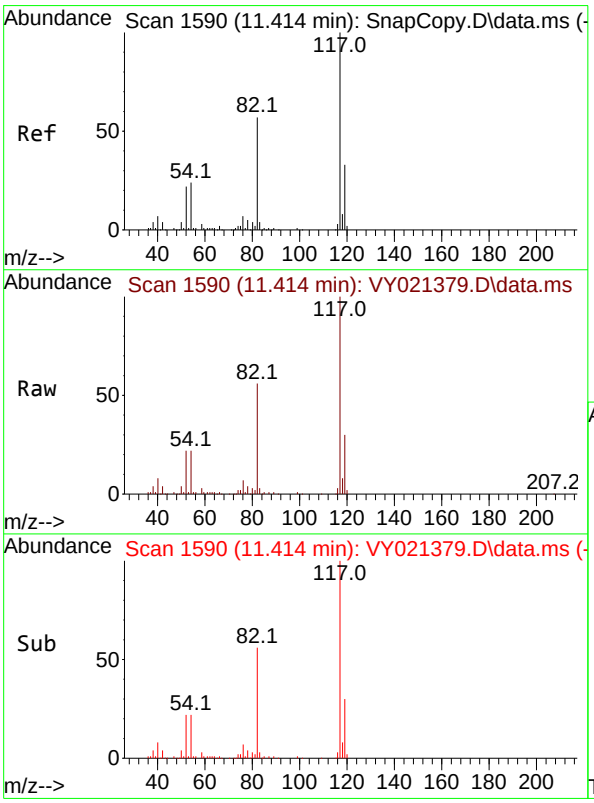
#62
4-Bromofluorobenzene
Concen: 31.899 ug/l
RT: 12.407 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02RE

Tgt Ion: 95 Resp: 48798

Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	168.0
176	86.1	0.0	162.6

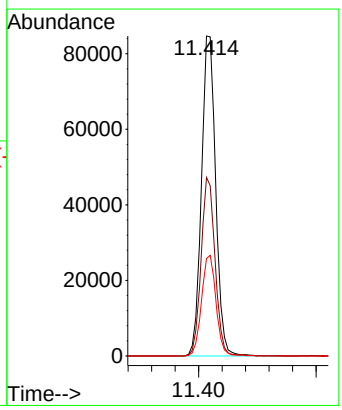


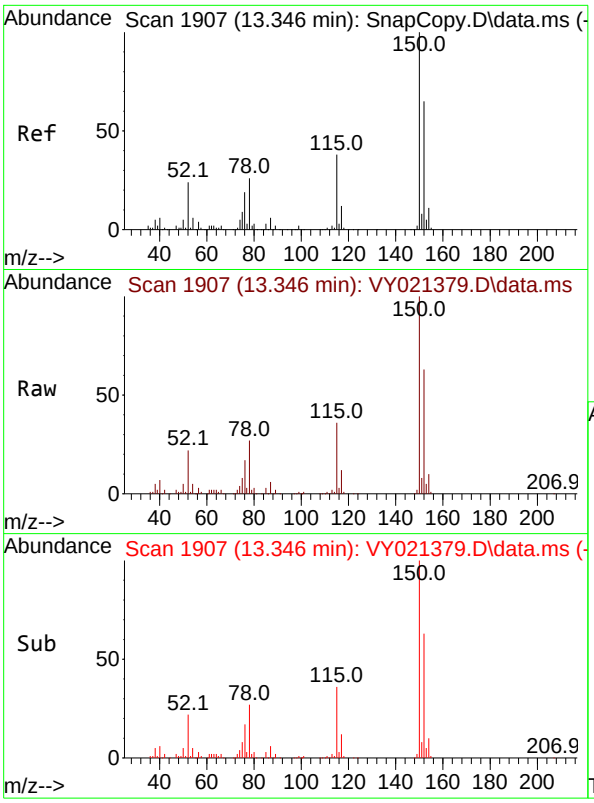


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Tgt Ion:117 Resp: 142440

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.2	69.4
119	30.5	24.9	37.3



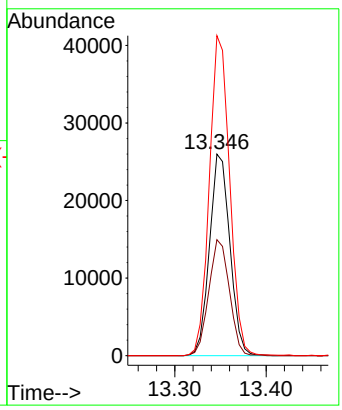


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02RE

Tgt Ion:152 Resp: 40324

Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	88.0
150	158.3	0.0	347.4



Raw Data: **VY021432.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF02-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78.4
Sample Wt/Vol:	4.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021432.D	1		03/06/25 14:15	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.20	U	2.20	6.60	ug/Kg
74-87-3	Chloromethane	1.50	U	1.50	6.60	ug/Kg
75-01-4	Vinyl Chloride	1.00	U	1.00	6.60	ug/Kg
74-83-9	Bromomethane	1.40	U	1.40	6.60	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	6.60	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	6.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	U	1.40	6.60	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	6.60	ug/Kg
67-64-1	Acetone	8.20	U	8.20	32.9	ug/Kg
75-15-0	Carbon Disulfide	1.70	U	1.70	6.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.88	U	0.88	6.60	ug/Kg
79-20-9	Methyl Acetate	2.40	U	2.40	6.60	ug/Kg
75-09-2	Methylene Chloride	4.50	U	4.50	13.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.83	U	0.83	6.60	ug/Kg
110-82-7	Cyclohexane	0.91	U	0.91	6.60	ug/Kg
78-93-3	2-Butanone	7.50	U	7.50	32.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	6.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	6.60	ug/Kg
74-97-5	Bromochloromethane	3.20	U	3.20	6.60	ug/Kg
67-66-3	Chloroform	0.88	U	0.88	6.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	6.60	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.60	ug/Kg
71-43-2	Benzene	0.95	U	0.95	6.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.80	U	0.80	6.60	ug/Kg
79-01-6	Trichloroethene	0.99	U	0.99	6.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.87	U	0.87	6.60	ug/Kg
75-27-4	Bromodichloromethane	0.74	U	0.74	6.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.70	U	5.70	32.9	ug/Kg
108-88-3	Toluene	0.88	U	0.88	6.60	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF02-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78.4
Sample Wt/Vol:	4.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021432.D	1		03/06/25 14:15	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.79	U	0.79	6.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.75	U	0.75	6.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.60	ug/Kg
591-78-6	2-Hexanone	6.30	U	6.30	32.9	ug/Kg
124-48-1	Dibromochloromethane	0.85	U	0.85	6.60	ug/Kg
106-93-4	1,2-Dibromoethane	1.00	U	1.00	6.60	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	6.60	ug/Kg
108-90-7	Chlorobenzene	0.97	U	0.97	6.60	ug/Kg
100-41-4	Ethyl Benzene	0.82	U	0.82	6.60	ug/Kg
179601-23-1	m/p-Xylenes	1.80	U	1.80	13.1	ug/Kg
95-47-6	o-Xylene	0.92	U	0.92	6.60	ug/Kg
100-42-5	Styrene	0.79	U	0.79	6.60	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.60	ug/Kg
98-82-8	Isopropylbenzene	0.88	U	0.88	6.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1.40	6.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.97	U	0.97	6.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	6.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.78	U	0.78	6.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	2.10	6.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	6.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.00	U	1.00	6.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.6		63 - 155	115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.0		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		38 - 136	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	243000	7.707			
540-36-3	1,4-Difluorobenzene	448000	8.616			
3114-55-4	Chlorobenzene-d5	395000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.347			

Raw Data: **VY021432.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF02-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78.4
Sample Wt/Vol:	4.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021432.D	1		03/06/25 14:15	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021432.D
Acq On : 06 Mar 2025 14:15
Operator : SY/MD
Sample : Q1421-09
Misc : 4.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

Quant Time: Mar 07 00:40:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	242960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	448371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	395078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147793	57.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.100%			
35) Dibromofluoromethane	7.634	113	151523	51.412	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.820%			
50) Toluene-d8	10.109	98	547243	49.040	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.408	95	162556	42.825	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.640%			

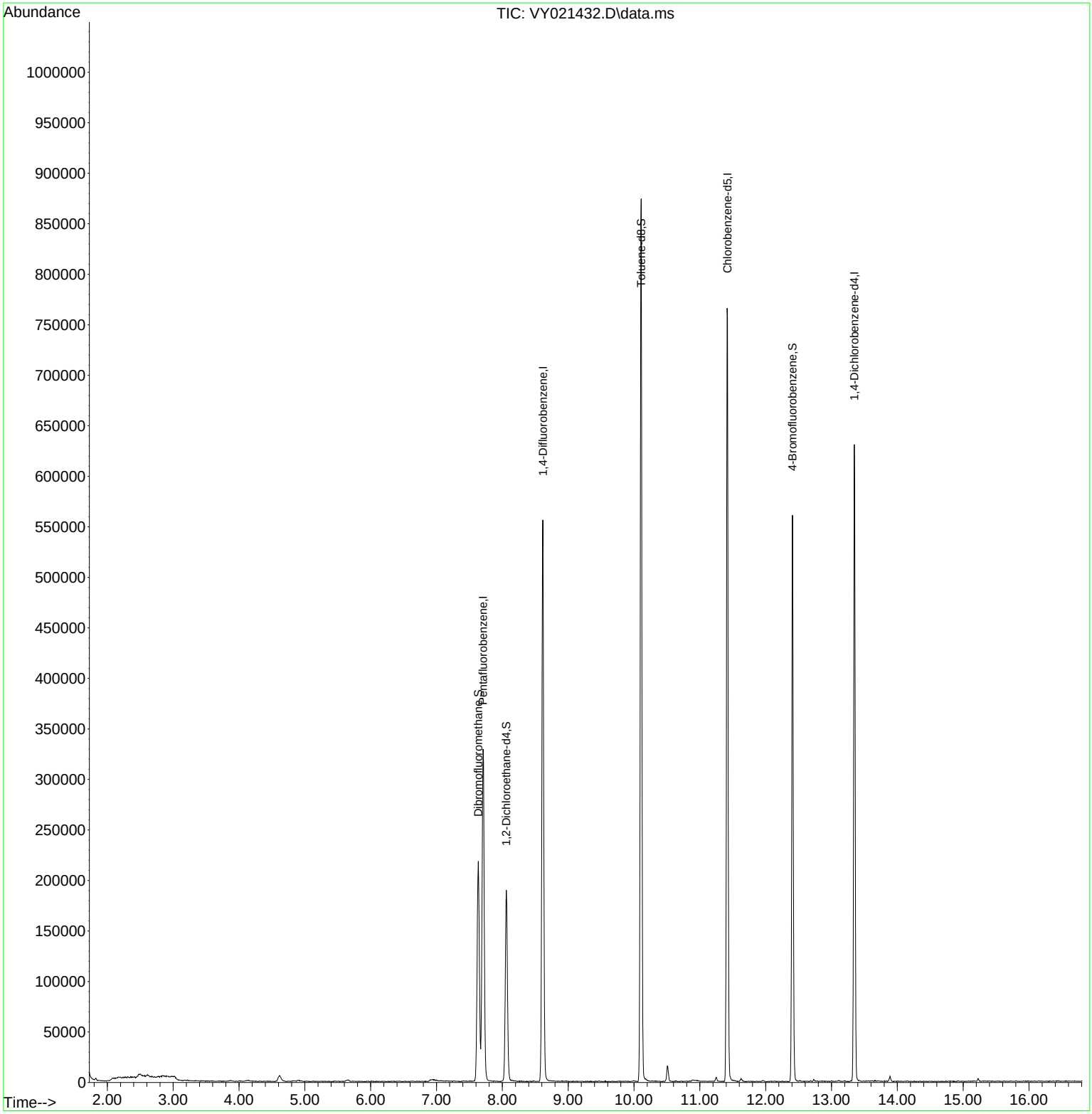
Target Compounds Qvalue

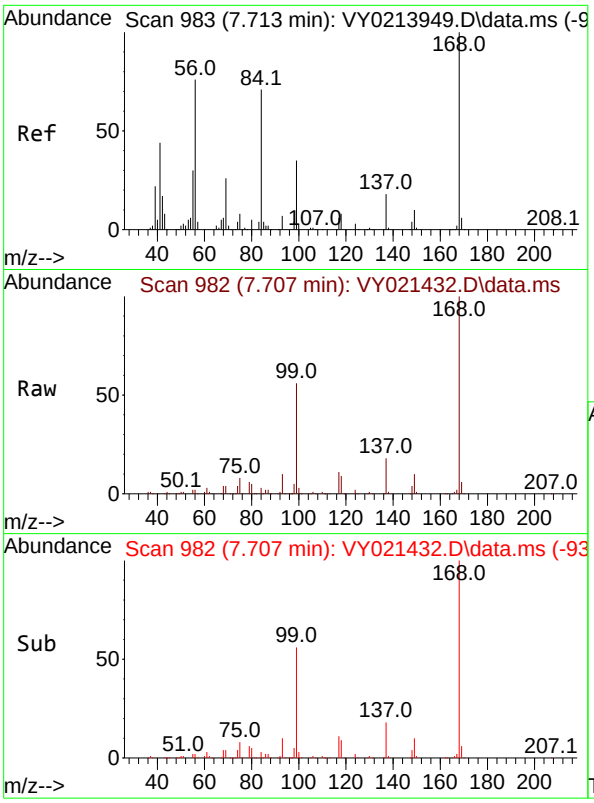
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021432.D
Acq On : 06 Mar 2025 14:15
Operator : SY/MD
Sample : Q1421-09
Misc : 4.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

Quant Time: Mar 07 00:40:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



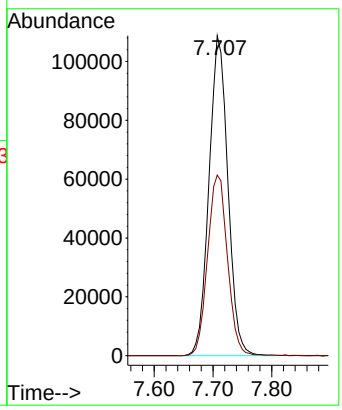


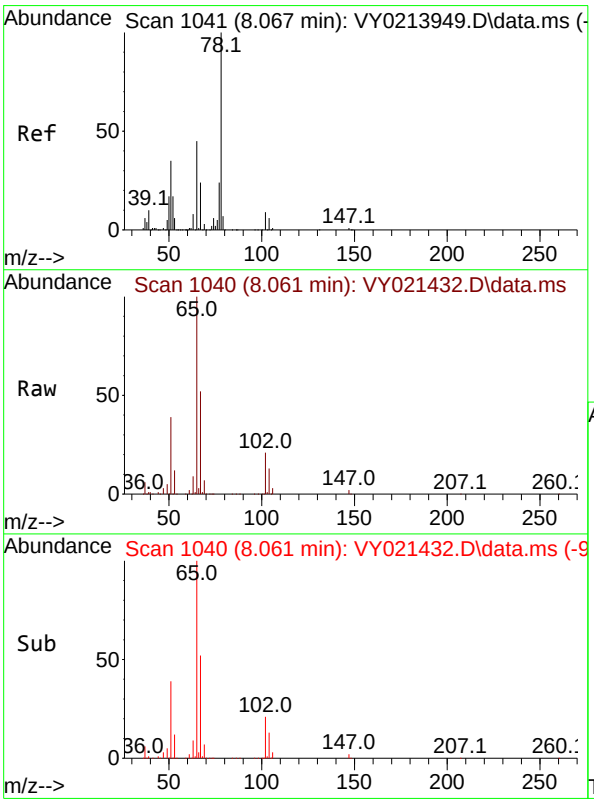
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

Tgt Ion:168 Resp: 242960

Ion	Ratio	Lower	Upper
168	100		
99	56.5	46.0	69.0

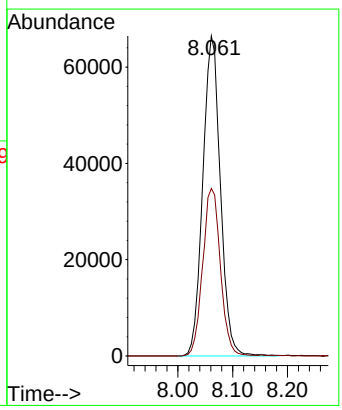


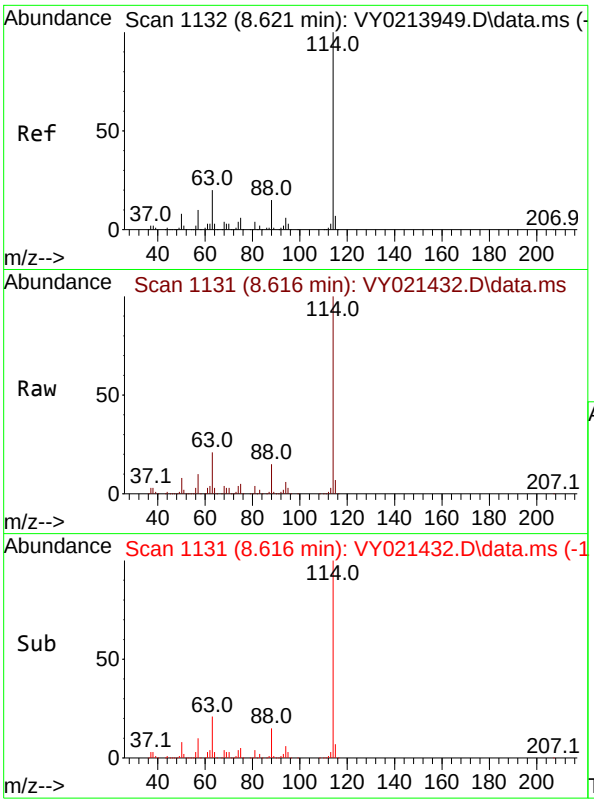


#33
1,2-Dichloroethane-d4
Concen: 57.553 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

Tgt Ion: 65 Resp: 147793

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	102.8



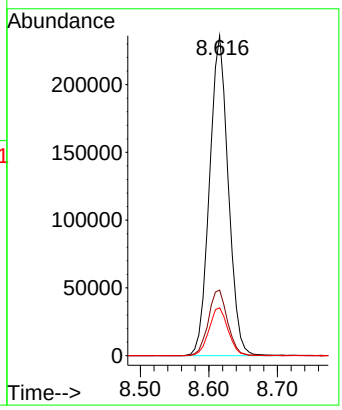


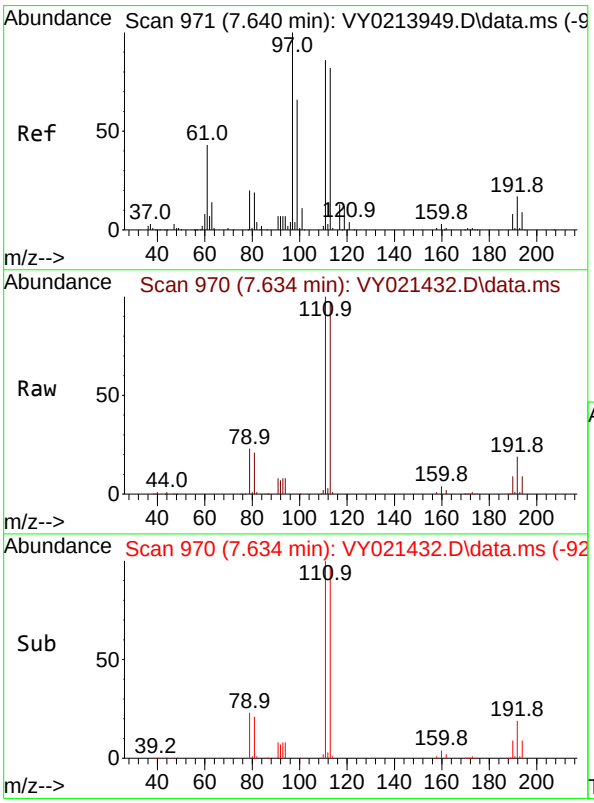
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

Tgt Ion:114 Resp: 448371

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.8
88	15.0	0.0	30.8

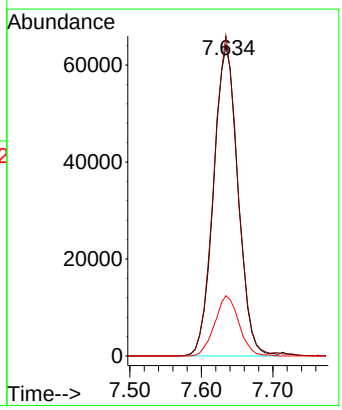


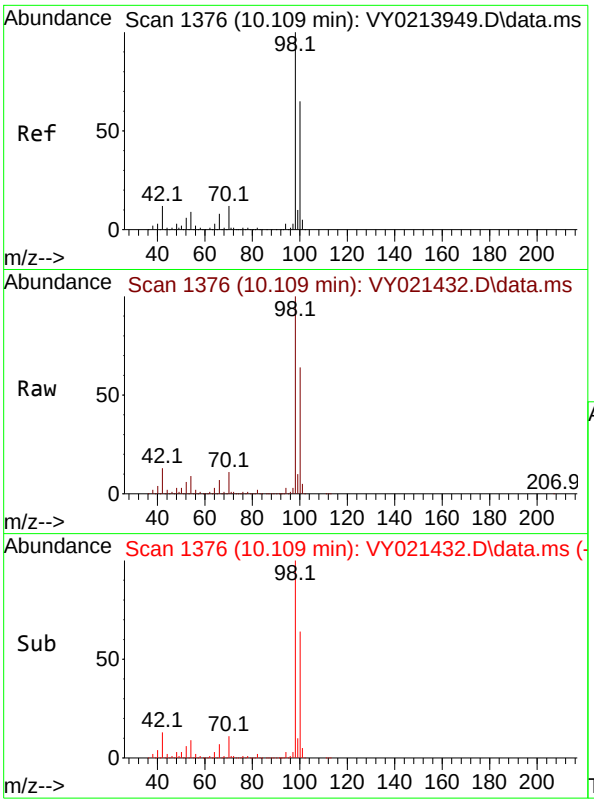


#35
Dibromofluoromethane
Concen: 51.412 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

Tgt Ion:113 Resp: 151523

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	19.3	15.9	23.9



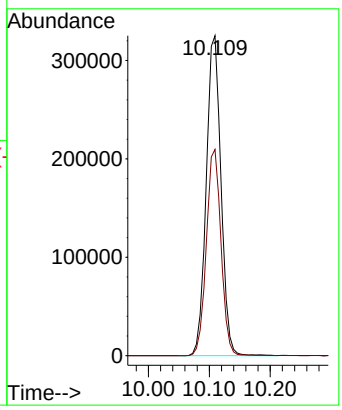


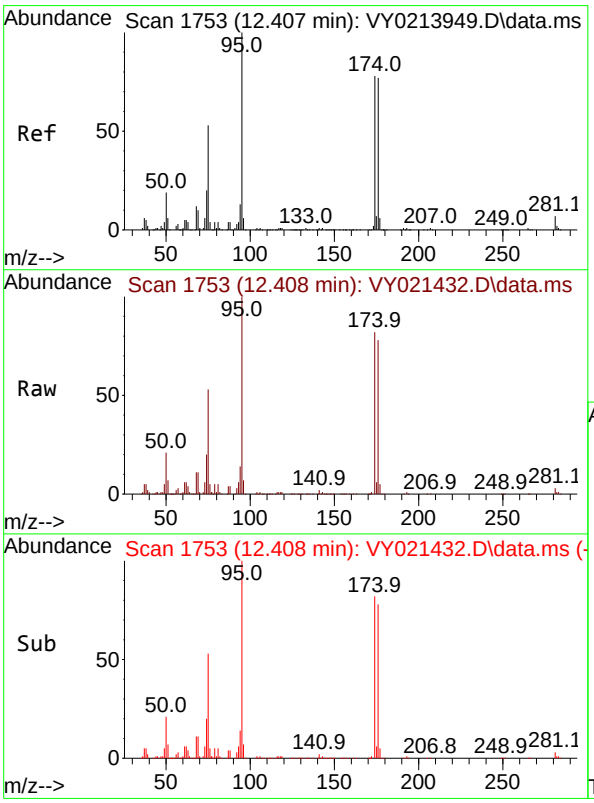
#50
Toluene-d8
Concen: 49.040 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

Tgt Ion: 98 Resp: 547243

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

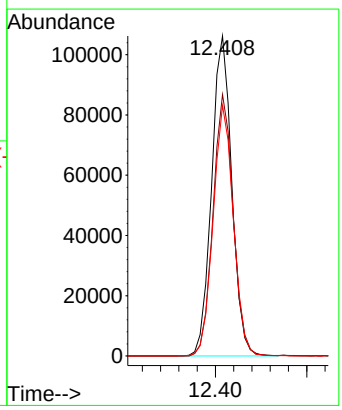


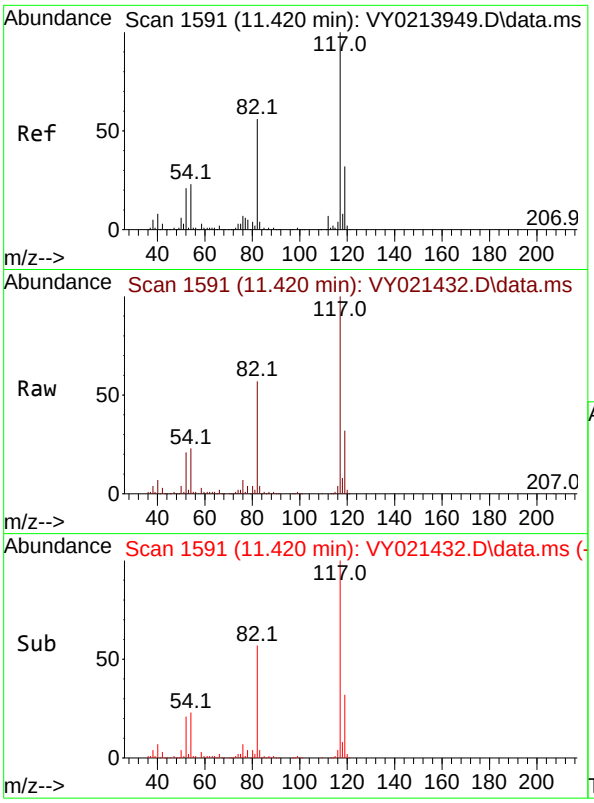


#62
4-Bromofluorobenzene
Concen: 42.825 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

Tgt Ion: 95 Resp: 162556

Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	165.0
176	78.7	0.0	160.0



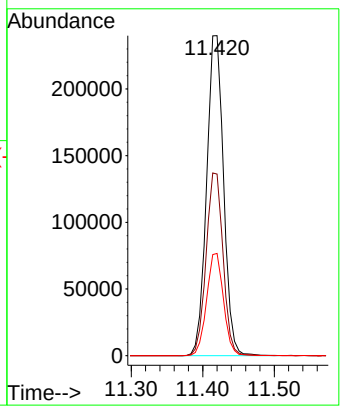


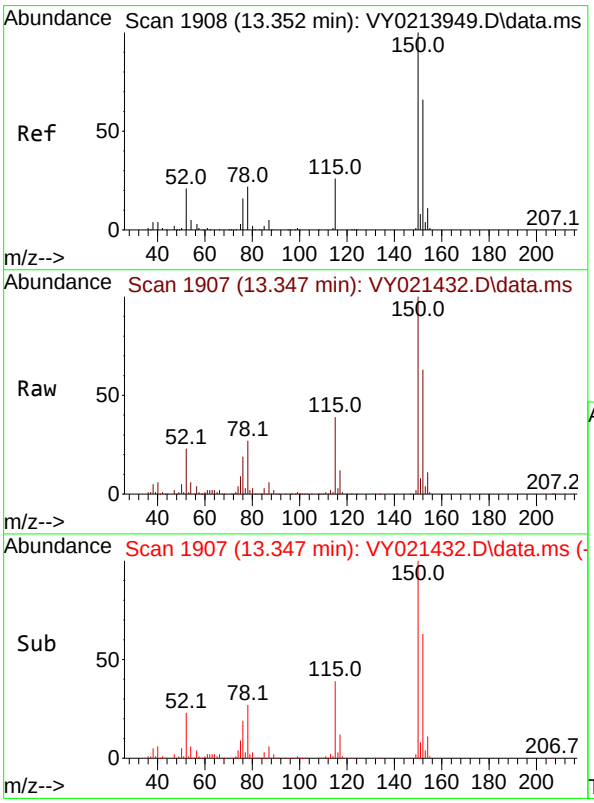
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

Tgt Ion:117 Resp: 395078

Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.6	67.0
119	31.9	25.4	38.0

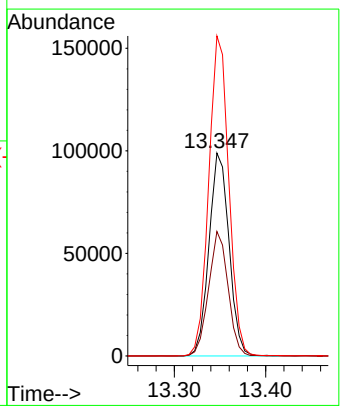




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

Tgt Ion:152 Resp: 150738

Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.0	87.0
150	157.7	0.0	347.2



Sample Results: **VY021432.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021432.D
Acq On : 06 Mar 2025 14:15
Operator : SY/MD
Sample : Q1421-09
Misc : 4.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

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\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021432.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	467	475	486	rBV3	5603	16819	1.14%	0.227%
2	7.634	958	970	976	rBV	217607	515487	34.90%	6.960%
3	7.707	976	982	1001	rVB	328483	750384	50.80%	10.131%
4	8.061	1028	1040	1052	rBV	189202	426674	28.89%	5.761%
5	8.616	1121	1131	1146	rBV	555808	1080232	73.13%	14.584%
6	10.109	1367	1376	1385	rBV	873849	1477075	100.00%	19.942%
7	10.506	1433	1441	1452	rBV3	15427	29587	2.00%	0.399%
8	11.414	1582	1590	1602	rBV	765579	1265985	85.71%	17.092%
9	12.408	1743	1753	1764	rBV	560680	884354	59.87%	11.940%
10	13.347	1900	1907	1917	rBV	630158	960263	65.01%	12.965%

Sum of corrected areas: 7406860

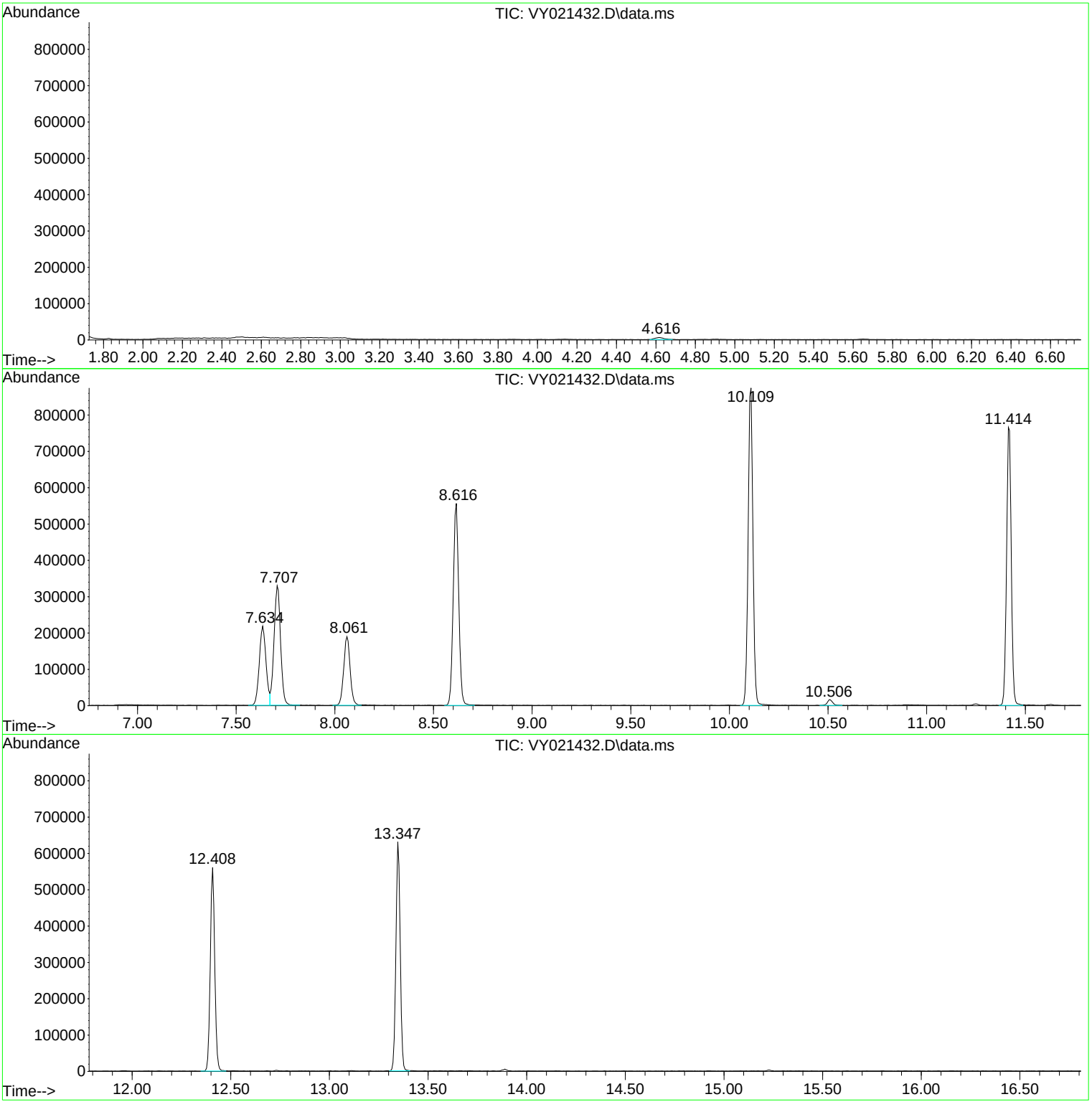
Sample Results: **VY021432.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021432.D
Acq On : 06 Mar 2025 14:15
Operator : SY/MD
Sample : Q1421-09
Misc : 4.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY021432.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021432.D
Acq On : 06 Mar 2025 14:15
Operator : SY/MD
Sample : Q1421-09
Misc : 4.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.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\VY030625\
Data File : VY021432.D
Acq On : 06 Mar 2025 14:15
Operator : SY/MD
Sample : Q1421-09
Misc : 4.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG No.: Q1421

Instrument ID: MSVOA_Y Calibration Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Calibration Time(s): 12:40 16:49

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

LAB FILE ID: RRF005 = VY021309.D RRF010 = VY021310.D RRF020 = VY021311.D
RRF050 = VY021312.D RRF150 = VY021314.D RRF100 = VY021316.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF150	RRF100	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.510	0.484	0.431	0.493	0.480	0.447	0.474	6.2
Chloromethane	0.709	0.628	0.566	0.602	0.597	0.570	0.612	8.6
Vinyl Chloride	0.648	0.591	0.554	0.627	0.606	0.580	0.601	5.6
Bromomethane	0.505	0.414	0.361	0.387	0.371	0.359	0.399	13.9
Chloroethane	0.414	0.365	0.347	0.390	0.365	0.355	0.373	6.7
Trichlorofluoromethane	0.976	0.915	0.838	0.936	0.909	0.870	0.908	5.3
1,1,2-Trichlorotrifluoroethane	0.546	0.529	0.491	0.537	0.541	0.508	0.525	4.1
1,1-Dichloroethene	0.545	0.489	0.462	0.515	0.518	0.490	0.503	5.7
Acetone	0.122	0.102	0.094	0.128	0.104	0.103	0.109	11.9
Carbon Disulfide	1.800	1.652	1.540	1.734	1.678	1.620	1.671	5.4
Methyl tert-butyl Ether	1.312	1.268	1.267	1.410	1.410	1.307	1.329	4.9
Methyl Acetate	0.285	0.249	0.259	0.276	0.276	0.250	0.266	5.7
Methylene Chloride	0.733	0.598	0.539	0.585	0.547	0.529	0.588	12.8
trans-1,2-Dichloroethene	0.589	0.536	0.507	0.573	0.570	0.547	0.554	5.4
1,1-Dichloroethane	1.101	1.032	0.961	1.083	1.058	1.007	1.040	4.9
Cyclohexane	1.182	1.025	0.910	0.989	0.971	0.923	1.000	9.9
2-Butanone	0.162	0.155	0.156	0.183	0.171	0.159	0.164	6.5
Carbon Tetrachloride	0.567	0.562	0.509	0.581	0.567	0.535	0.554	4.8
cis-1,2-Dichloroethene	0.649	0.610	0.588	0.665	0.656	0.626	0.632	4.7
Bromochloromethane	0.525	0.442	0.438	0.454	0.464	0.439	0.460	7.2
Chloroform	1.128	1.046	0.977	1.095	1.062	1.017	1.054	5.1
1,1,1-Trichloroethane	1.020	0.956	0.889	0.986	0.979	0.927	0.960	4.8
Methylcyclohexane	0.597	0.613	0.584	0.662	0.663	0.618	0.623	5.3
Benzene	1.515	1.445	1.359	1.533	1.472	1.409	1.456	4.5
1,2-Dichloroethane	0.422	0.417	0.393	0.434	0.419	0.394	0.413	3.9
Trichloroethene	0.375	0.360	0.341	0.382	0.375	0.354	0.364	4.3
1,2-Dichloropropane	0.360	0.350	0.329	0.371	0.357	0.336	0.350	4.5
Bromodichloromethane	0.519	0.503	0.477	0.541	0.528	0.495	0.511	4.5
4-Methyl-2-Pentanone	0.220	0.227	0.239	0.267	0.264	0.238	0.243	7.9
Toluene	0.887	0.888	0.852	0.965	0.936	0.897	0.904	4.4

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG No.: Q1421

Instrument ID: MSVOA_Y Calibration Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Calibration Time(s): 12:40 16:49

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

LAB FILE ID: RRF005 = VY021309.D RRF010 = VY021310.D RRF020 = VY021311.D
RRF050 = VY021312.D RRF150 = VY021314.D RRF100 = VY021316.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF150	RRF100	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.438	0.436	0.434	0.515	0.509	0.474	0.468	8
cis-1,3-Dichloropropene	0.541	0.526	0.528	0.591	0.581	0.546	0.552	5
1,1,2-Trichloroethane	0.250	0.251	0.238	0.267	0.254	0.237	0.249	4.4
2-Hexanone	0.133	0.146	0.155	0.183	0.178	0.162	0.159	11.9
Dibromochloromethane	0.340	0.325	0.322	0.368	0.352	0.332	0.340	5.2
1,2-Dibromoethane	0.234	0.231	0.226	0.254	0.245	0.227	0.236	4.7
Tetrachloroethene	0.405	0.380	0.351	0.389	0.386	0.355	0.378	5.5
Chlorobenzene	1.171	1.111	1.039	1.176	1.159	1.078	1.122	5
Ethyl Benzene	1.938	1.941	1.826	2.130	2.115	1.979	1.988	5.8
m/p-Xylenes	0.735	0.738	0.696	0.802	0.783	0.733	0.748	5.1
o-Xylene	0.689	0.675	0.648	0.758	0.739	0.694	0.701	5.9
Styrene	1.081	1.128	1.091	1.277	1.257	1.159	1.166	7.2
Bromoform	0.221	0.221	0.211	0.246	0.236	0.214	0.225	5.9
Isopropylbenzene	3.744	3.605	3.437	3.976	4.009	3.783	3.759	5.8
1,1,2,2-Tetrachloroethane	0.700	0.649	0.621	0.697	0.689	0.624	0.663	5.5
1,3-Dichlorobenzene	1.812	1.729	1.598	1.792	1.777	1.668	1.730	4.8
1,4-Dichlorobenzene	1.825	1.710	1.593	1.751	1.744	1.629	1.709	5
1,2-Dichlorobenzene	1.599	1.499	1.408	1.575	1.564	1.446	1.515	5.1
1,2-Dibromo-3-Chloropropane	0.103	0.097	0.099	0.113	0.115	0.102	0.105	7.2
1,2,4-Trichlorobenzene	0.906	0.848	0.822	0.968	1.053	0.950	0.925	9.2
1,2,3-Trichlorobenzene	0.742	0.719	0.698	0.824	0.896	0.809	0.781	9.6
1,2-Dichloroethane-d4	0.681	0.510	0.548	0.551	0.566	0.547	0.567	10.3
Dibromofluoromethane	0.370	0.299	0.317	0.325	0.334	0.322	0.328	7.2
Toluene-d8	1.420	1.158	1.230	1.251	1.290	1.253	1.267	6.8
4-Bromofluorobenzene	0.490	0.387	0.404	0.423	0.435	0.420	0.426	8.2

* 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.

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y022525S.M
Title : SW846 8260
Last Update : Wed Feb 26 02:09:13 2025
Response Via : Initial Calibration

Calibration Files
5 =VY021309.D 10 =VY021310.D 20 =VY021311.D 50 =VY021312.D 100 =VY021316.D 150 =VY021314.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.510	0.484	0.431	0.493	0.447	0.480	0.474	6.16
3)	P	Chloromethane	0.709	0.628	0.566	0.602	0.570	0.597	0.612	8.61
4)	C	Vinyl Chloride	0.648	0.591	0.554	0.627	0.580	0.606	0.601	5.60#
5)	T	Bromomethane	0.505	0.414	0.361	0.387	0.359	0.371	0.399	13.92
6)	T	Chloroethane	0.414	0.365	0.347	0.390	0.355	0.365	0.373	6.66
7)	T	Trichlorofluor...	0.976	0.915	0.838	0.936	0.870	0.909	0.908	5.33
8)	T	Diethyl Ether	0.276	0.264	0.260	0.286	0.263	0.286	0.272	4.34
9)	T	1,1,2-Trichlor...	0.546	0.529	0.491	0.537	0.508	0.541	0.525	4.09
10)	T	Methyl Iodide	0.492	0.473	0.490	0.637	0.600	0.625	0.553	13.64
11)	T	Tert butyl alc...	0.058	0.047	0.042	0.040	0.034	0.039	0.044	18.88
12)	CM	1,1-Dichloroet...	0.545	0.489	0.462	0.515	0.490	0.518	0.503	5.75#
13)	T	Acrolein	0.065	0.058	0.059	0.007	0.006	0.006	0.033	89.20
14)	T	Allyl chloride	0.929	0.847	0.821	0.926	0.889	0.938	0.892	5.42
15)	T	Acrylonitrile	0.122	0.115	0.116	0.127	0.115	0.127	0.120	5.01
16)	T	Acetone	0.122	0.102	0.094	0.128	0.103	0.104	0.109	11.92
17)	T	Carbon Disulfide	1.800	1.652	1.540	1.734	1.620	1.678	1.671	5.41
18)	T	Methyl Acetate	0.285	0.249	0.259	0.276	0.250	0.276	0.266	5.65
19)	T	Methyl tert-bu...	1.312	1.268	1.267	1.410	1.307	1.410	1.329	4.93
20)	T	Methylene Chlo...	0.733	0.598	0.539	0.585	0.529	0.547	0.588	12.84
21)	T	trans-1,2-Dich...	0.589	0.536	0.507	0.573	0.547	0.570	0.554	5.36
22)	T	Diisopropyl ether	1.839	1.794	1.752	1.961	1.828	1.900	1.846	4.06
23)	T	Vinyl Acetate	1.062	1.041	1.045	1.188	1.103	1.179	1.103	6.00
24)	P	1,1-Dichloroet...	1.101	1.032	0.961	1.083	1.007	1.058	1.040	4.94
25)	T	2-Butanone	0.162	0.155	0.156	0.183	0.159	0.171	0.164	6.53
26)	T	2,2-Dichloropr...	1.036	0.939	0.845	0.972	0.920	0.952	0.944	6.64
27)	T	cis-1,2-Dichlo...	0.649	0.610	0.588	0.665	0.626	0.656	0.632	4.68
28)	T	Bromochloromet...	0.525	0.442	0.438	0.454	0.439	0.464	0.460	7.23
29)	T	Tetrahydrofuran	0.105	0.100	0.106	0.115	0.104	0.114	0.107	5.36
30)	C	Chloroform	1.128	1.046	0.977	1.095	1.017	1.062	1.054	5.11#
31)	T	Cyclohexane	1.182	1.025	0.910	0.989	0.923	0.971	1.000	9.90
32)	T	1,1,1-Trichlor...	1.020	0.956	0.889	0.986	0.927	0.979	0.960	4.81
33)	S	1,2-Dichloroet...	0.681	0.510	0.548	0.551	0.547	0.566	0.567	10.35
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.370	0.299	0.317	0.325	0.322	0.334	0.328	7.20
36)	T	1,1-Dichloropr...	0.508	0.487	0.460	0.516	0.478	0.505	0.492	4.28
37)	T	Ethyl Acetate	0.251	0.246	0.232	0.257	0.228	0.255	0.245	5.02
38)	T	Carbon Tetrach...	0.567	0.562	0.509	0.581	0.535	0.567	0.554	4.80
39)	T	Methylcyclohexane	0.597	0.613	0.584	0.662	0.618	0.663	0.623	5.33
40)	TM	Benzene	1.515	1.445	1.359	1.533	1.409	1.472	1.456	4.48
41)	T	Methacrylonitrile	0.162	0.118	0.120	0.147	0.129	0.146	0.137	12.55
42)	TM	1,2-Dichloroet...	0.422	0.417	0.393	0.434	0.394	0.419	0.413	3.91
43)	T	Isopropyl Acetate	0.443	0.447	0.464	0.513	0.466	0.511	0.474	6.49
44)	TM	Trichloroethene	0.375	0.360	0.341	0.382	0.354	0.375	0.364	4.29
45)	C	1,2-Dichloropr...	0.360	0.350	0.329	0.371	0.336	0.357	0.350	4.49#
46)	T	Dibromomethane	0.192	0.188	0.183	0.203	0.184	0.199	0.191	4.22
47)	T	Bromodichlorom...	0.519	0.503	0.477	0.541	0.495	0.528	0.511	4.54
48)	T	Methyl methacr...	0.197	0.201	0.208	0.247	0.225	0.251	0.222	10.59
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.15
50)	S	Toluene-d8	1.420	1.158	1.230	1.251	1.253	1.290	1.267	6.83
51)	T	4-Methyl-2-Pen...	0.220	0.227	0.239	0.267	0.238	0.264	0.243	7.94
52)	CM	Toluene	0.887	0.888	0.852	0.965	0.897	0.936	0.904	4.42#
53)	T	t-1,3-Dichloro...	0.438	0.436	0.434	0.515	0.474	0.509	0.468	8.02
54)	T	cis-1,3-Dichlo...	0.541	0.526	0.528	0.591	0.546	0.581	0.552	4.97
55)	T	1,1,2-Trichlor...	0.250	0.251	0.238	0.267	0.237	0.254	0.249	4.42
56)	T	Ethyl methacry...	0.294	0.308	0.315	0.392	0.360	0.398	0.345	13.04

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y022525S.M

57)	T	1,3-Dichloropr...	0.427	0.428	0.422	0.469	0.426	0.454	0.438	4.39
58)	T	2-Chloroethyl ...	0.140	0.146	0.159	0.191	0.177	0.179	0.165	12.21
59)	T	2-Hexanone	0.133	0.146	0.155	0.183	0.162	0.178	0.159	11.90
60)	T	Dibromochlorom...	0.340	0.325	0.322	0.368	0.332	0.352	0.340	5.17
61)	T	1,2-Dibromoethane	0.234	0.231	0.226	0.254	0.227	0.245	0.236	4.72
62)	S	4-Bromofluorob...	0.490	0.387	0.404	0.423	0.420	0.435	0.426	8.25
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.405	0.380	0.351	0.389	0.355	0.386	0.378	5.52
65)	PM	Chlorobenzene	1.171	1.111	1.039	1.176	1.078	1.159	1.122	4.97
66)	T	1,1,1,2-Tetrac...	0.396	0.401	0.362	0.414	0.381	0.404	0.393	4.71
67)	C	Ethyl Benzene	1.938	1.941	1.826	2.130	1.979	2.115	1.988	5.85#
68)	T	m/p-Xylenes	0.735	0.738	0.696	0.802	0.733	0.783	0.748	5.13
69)	T	o-Xylene	0.689	0.675	0.648	0.758	0.694	0.739	0.701	5.86
70)	T	Styrene	1.081	1.128	1.091	1.276	1.159	1.257	1.166	7.15
71)	P	Bromoform	0.221	0.221	0.211	0.246	0.214	0.236	0.225	5.89
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.744	3.605	3.437	3.976	3.783	4.009	3.759	5.80
74)	T	N-amyl acetate	0.818	0.854	0.904	1.060	0.990	1.106	0.955	12.07
75)	P	1,1,2,2-Tetrac...	0.700	0.649	0.621	0.697	0.624	0.689	0.663	5.52
76)	T	1,2,3-Trichlor...	0.517	0.547	0.448	0.523	0.474	0.493	0.500	7.19
77)	T	Bromobenzene	0.919	0.843	0.806	0.908	0.854	0.915	0.874	5.34
78)	T	n-propylbenzene	4.532	4.403	4.216	4.830	4.546	4.842	4.561	5.34
79)	T	2-Chlorotoluene	2.741	2.558	2.412	2.715	2.551	2.730	2.618	5.05
80)	T	1,3,5-Trimethy...	3.092	2.977	2.873	3.250	3.042	3.264	3.083	4.99
81)	T	trans-1,4-Dich...	0.210	0.209	0.208	0.244	0.225	0.255	0.225	8.86
82)	T	4-Chlorotoluene	2.871	2.665	2.496	2.815	2.633	2.802	2.714	5.19
83)	T	tert-Butylbenzene	2.703	2.753	2.601	2.892	2.760	3.000	2.785	5.08
84)	T	1,2,4-Trimethy...	3.014	2.958	2.860	3.248	3.048	3.269	3.066	5.28
85)	T	sec-Butylbenzene	4.126	4.003	3.760	4.257	3.987	4.274	4.068	4.75
86)	T	p-Isopropyltol...	3.340	3.267	3.162	3.593	3.377	3.641	3.397	5.48
87)	T	1,3-Dichlorobe...	1.812	1.729	1.598	1.792	1.668	1.777	1.730	4.77
88)	T	1,4-Dichlorobe...	1.825	1.710	1.593	1.751	1.629	1.744	1.709	4.99
89)	T	n-Butylbenzene	3.078	3.050	2.931	3.421	3.218	3.481	3.196	6.82
90)	T	Hexachloroethane	0.759	0.690	0.638	0.721	0.693	0.755	0.710	6.43
91)	T	1,2-Dichlorobe...	1.599	1.499	1.408	1.575	1.446	1.564	1.515	5.09
92)	T	1,2-Dibromo-3-...	0.103	0.097	0.099	0.113	0.102	0.115	0.105	7.23
93)	T	1,2,4-Trichlor...	0.906	0.848	0.822	0.968	0.950	1.053	0.925	9.16
94)	T	Hexachlorobuta...	0.633	0.573	0.517	0.591	0.563	0.616	0.582	7.04
95)	T	Naphthalene	1.249	1.282	1.361	1.721	1.673	1.905	1.532	17.67
96)	T	1,2,3-Trichlor...	0.742	0.719	0.698	0.824	0.809	0.896	0.781	9.62

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	177514	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	289913	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	247837	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	118690	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	12088	6.003	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 12.000%#				
35) Dibromofluoromethane	7.634	113	10715	5.637	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 11.280%#				
50) Toluene-d8	10.103	98	41158	5.603	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 11.200%#				
62) 4-Bromofluorobenzene	12.408	95	14192	5.741	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 11.480%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.861	85	9045	5.374	ug/l		99
3) Chloromethane	2.068	50	12591	5.793	ug/l		97
4) Vinyl Chloride	2.202	62	11497	5.389	ug/l		93
5) Bromomethane	2.598	94	8962	6.321	ug/l		99
6) Chloroethane	2.733	64	7351	5.556	ug/l		99
7) Trichlorofluoromethane	3.056	101	17319	5.375	ug/l	#	83
8) Diethyl Ether	3.458	74	4897	5.064	ug/l		89
9) 1,1,2-Trichlorotrifluo...	3.806	101	9686	5.193	ug/l		96
10) Methyl Iodide	4.001	142	8728	4.447	ug/l		99
11) Tert butyl alcohol	4.848	59	5165	33.345	ug/l	#	84
12) 1,1-Dichloroethene	3.787	96	9671	5.415	ug/l		90
13) Acrolein	3.647	56	5798	48.848	ug/l		99
14) Allyl chloride	4.379	41	16498	5.210	ug/l		99
15) Acrylonitrile	5.055	53	10830	25.330	ug/l		98
16) Acetone	3.866	43	10823	28.018	ug/l		99
17) Carbon Disulfide	4.104	76	31953	5.387	ug/l		99
18) Methyl Acetate	4.391	43	5062	5.362	ug/l	#	54
19) Methyl tert-butyl Ether	5.110	73	23290	4.935	ug/l		100
20) Methylene Chloride	4.610	84	13003	6.225	ug/l		93
21) trans-1,2-Dichloroethene	5.110	96	10455	5.317	ug/l		98
22) Diisopropyl ether	6.012	45	32640	4.981	ug/l	#	86
23) Vinyl Acetate	5.958	43	94244	24.067	ug/l		99
24) 1,1-Dichloroethane	5.915	63	19538	5.290	ug/l		98
25) 2-Butanone	6.890	43	14341	24.599	ug/l	#	88
26) 2,2-Dichloropropane	6.884	77	18391	5.488	ug/l		100
27) cis-1,2-Dichloroethene	6.890	96	11522	5.132	ug/l		97
28) Bromochloromethane	7.244	49	9318	5.702	ug/l		99
29) Tetrahydrofuran	7.262	42	9319	24.455	ug/l		99
30) Chloroform	7.421	83	20025	5.351	ug/l		98
31) Cyclohexane	7.701	56	20990	5.912	ug/l	#	86
32) 1,1,1-Trichloroethane	7.616	97	18106	5.315	ug/l		98
36) 1,1-Dichloropropene	7.829	75	14719	5.155	ug/l		98
37) Ethyl Acetate	6.982	43	7270	5.119	ug/l		98
38) Carbon Tetrachloride	7.817	117	16445	5.124	ug/l		92
39) Methylcyclohexane	9.103	83	17316	4.795	ug/l		95
40) Benzene	8.079	78	43912	5.203	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	4691m	5.908	ug/l		
42) 1,2-Dichloroethane	8.158	62	12236	5.110	ug/l		99
43) Isopropyl Acetate	8.195	43	12832	4.668	ug/l		99
44) Trichloroethene	8.859	130	10868	5.143	ug/l		100
45) 1,2-Dichloropropane	9.140	63	10426	5.133	ug/l		95
46) Dibromomethane	9.231	93	5557	5.005	ug/l		100
47) Bromodichloromethane	9.420	83	15042	5.081	ug/l		100
48) Methyl methacrylate	9.219	41	5698	4.433	ug/l		95
49) 1,4-Dioxane	9.231	88	1164	94.292	ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	31910	22.677	ug/l		100
52) Toluene	10.170	92	25715	4.905	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	12697	4.682	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	15685	4.899	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	7259	5.019	ug/l		96
56) Ethyl methacrylate	10.438	69	8528	4.267	ug/l		99
57) 1,3-Dichloropropane	10.713	76	12384	4.880	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	20290	21.153	ug/l		98
59) 2-Hexanone	10.762	43	19312	20.897	ug/l		97
60) Dibromochloromethane	10.914	129	9844	4.998	ug/l		97
61) 1,2-Dibromoethane	11.018	107	6792	4.960	ug/l		98
64) Tetrachloroethene	10.646	164	10042	5.361	ug/l		96
65) Chlorobenzene	11.444	112	29025	5.217	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.518	131	9824	5.043	ug/l		99
67) Ethyl Benzene	11.518	91	48026	4.874	ug/l		97
68) m/p-Xylenes	11.627	106	36446	9.833	ug/l		100
69) o-Xylene	11.956	106	17085	4.920	ug/l		97
70) Styrene	11.969	104	26787	4.637	ug/l		99
71) Bromoform	12.133	173	5478	4.916	ug/l	#	99
73) Isopropylbenzene	12.255	105	44434	4.980	ug/l		99
74) N-amyl acetate	12.072	43	9713	4.283	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	8309	5.276	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	6139m	5.136	ug/l		
77) Bromobenzene	12.536	156	10911	5.257	ug/l		99
78) n-propylbenzene	12.597	91	53794	4.968	ug/l		100
79) 2-Chlorotoluene	12.682	91	32529	5.235	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	36696	5.014	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	2493	4.664	ug/l		97
82) 4-Chlorotoluene	12.780	91	34079	5.290	ug/l		99
83) tert-Butylbenzene	12.999	119	32078	4.852	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	35772	4.915	ug/l		100
85) sec-Butylbenzene	13.176	105	48977	5.072	ug/l		100
86) p-Isopropyltoluene	13.292	119	39637	4.916	ug/l		98
87) 1,3-Dichlorobenzene	13.292	146	21510	5.239	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	21663	5.341	ug/l		95
89) n-Butylbenzene	13.621	91	36537	4.815	ug/l		100
90) Hexachloroethane	13.883	117	9013	5.351	ug/l		97
91) 1,2-Dichlorobenzene	13.664	146	18984	5.278	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1227	4.925	ug/l		97
93) 1,2,4-Trichlorobenzene	14.925	180	10759	4.901	ug/l		98
94) Hexachlorobutadiene	15.029	225	7510	5.434	ug/l		95
95) Naphthalene	15.145	128	14829	4.078	ug/l		97
96) 1,2,3-Trichlorobenzene	15.334	180	8804	4.746	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

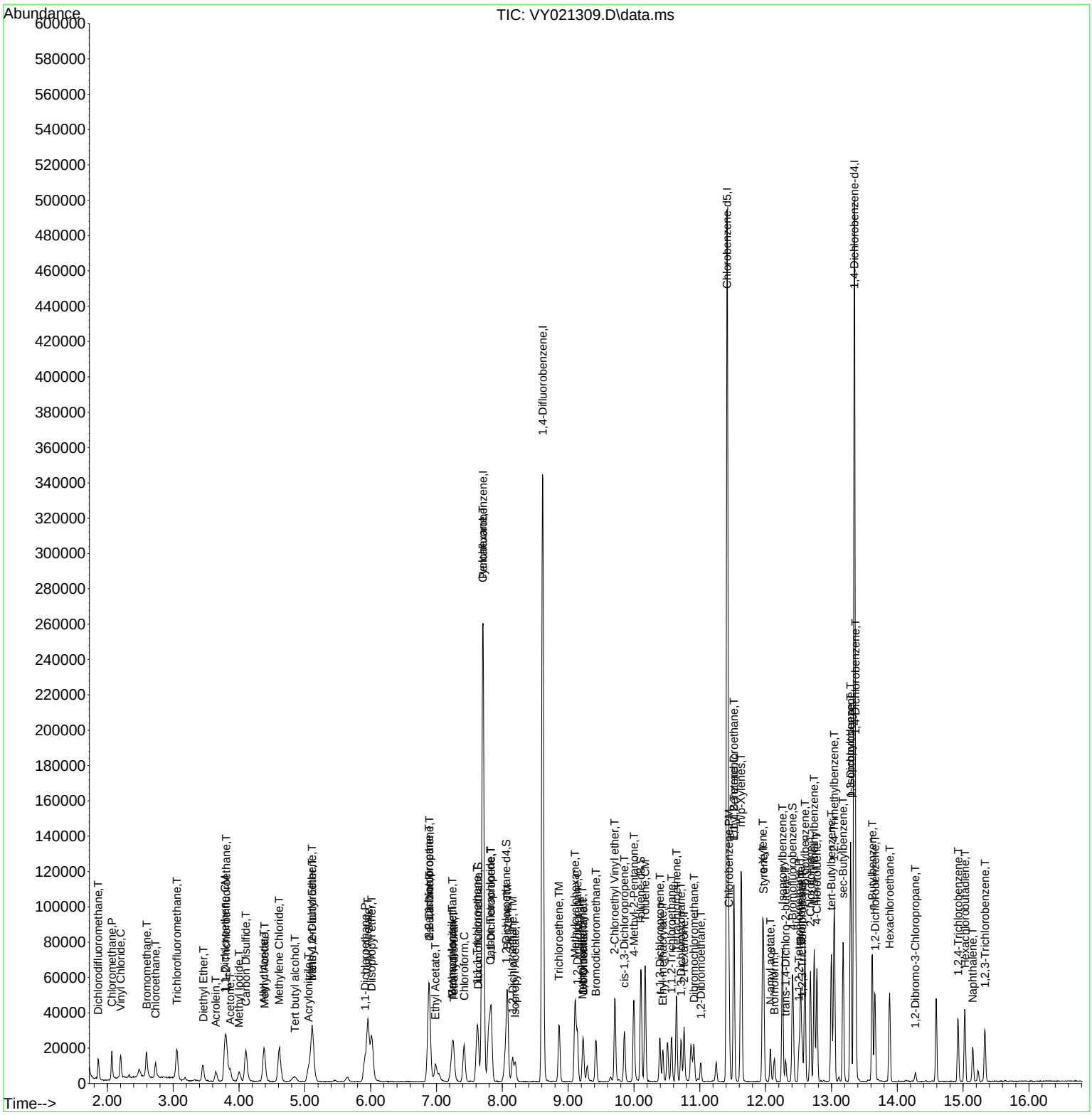
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

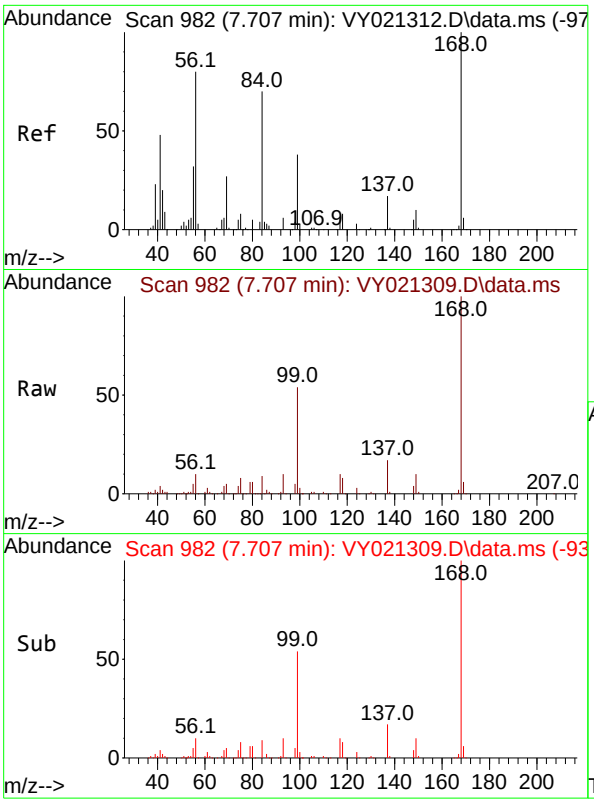
Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

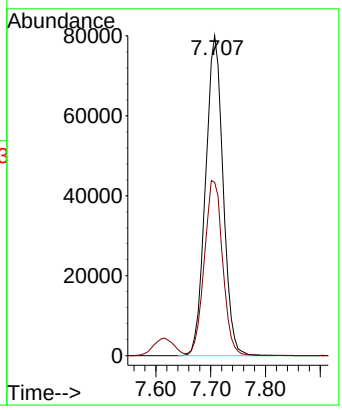
Tgt Ion:168 Resp: 17751

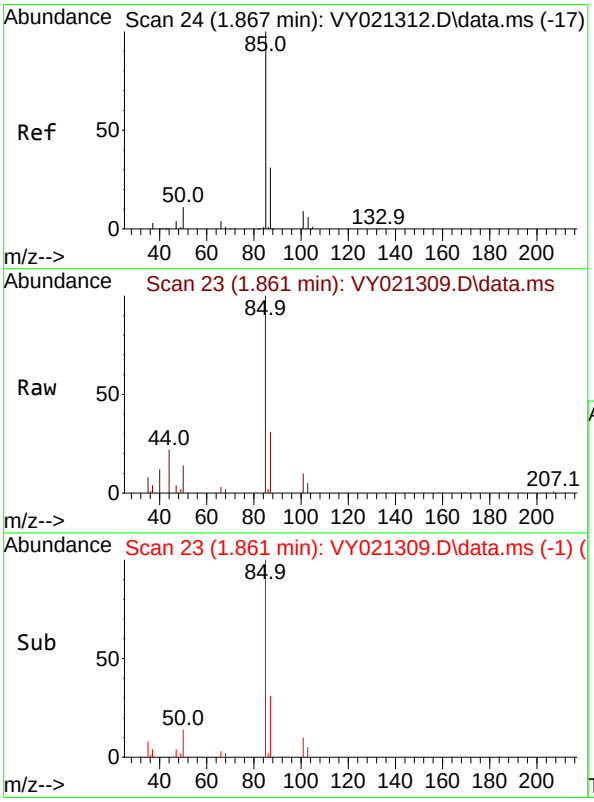
Ion	Ratio	Lower	Upper
168	100		
99	54.1	47.1	70.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

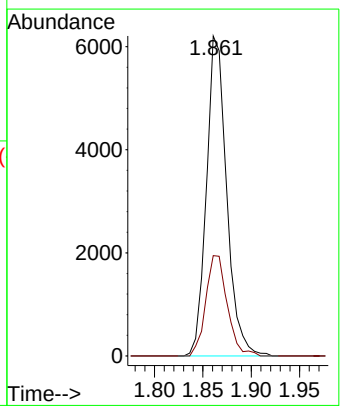


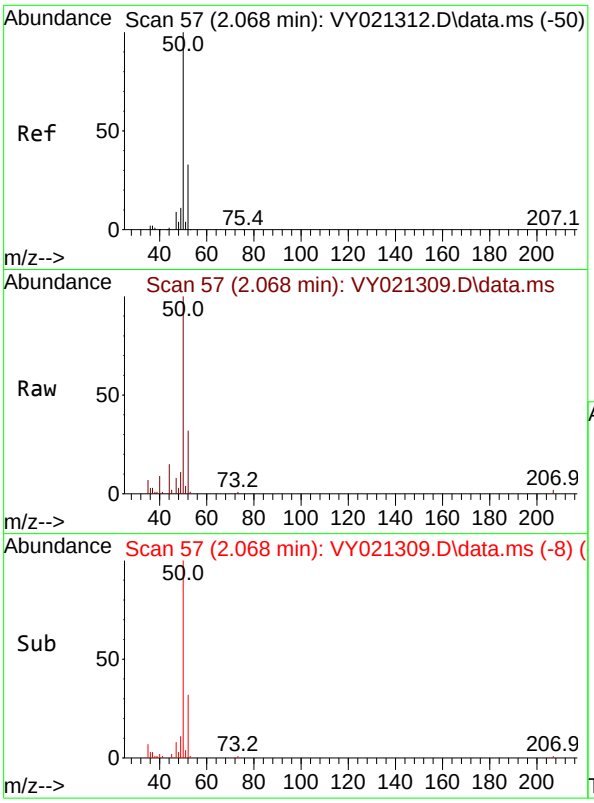


#2
Dichlorodifluoromethane
Concen: 5.374 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 85 Resp: 9045

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.4	46.4

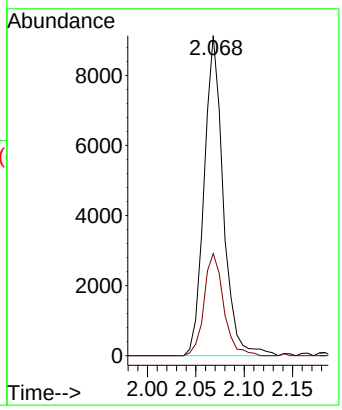




#3
Chloromethane
Concen: 5.793 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 50 Resp: 1259

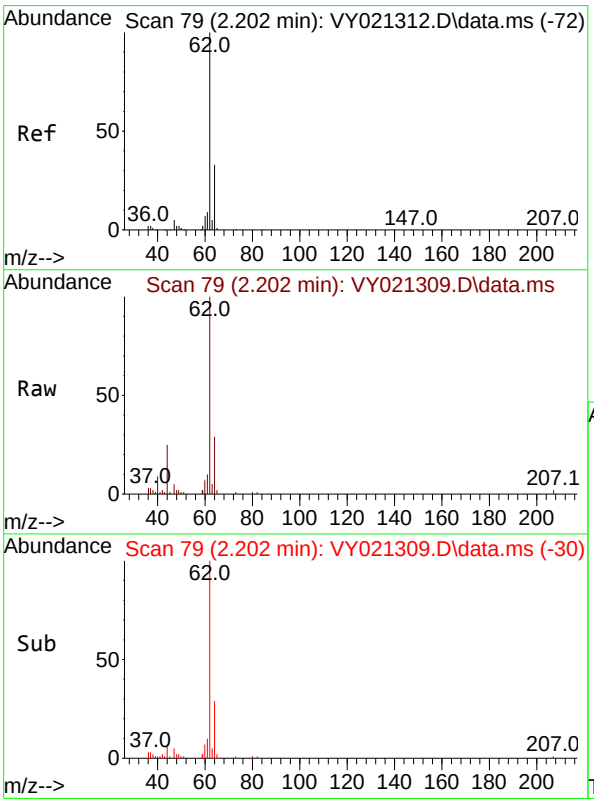
Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

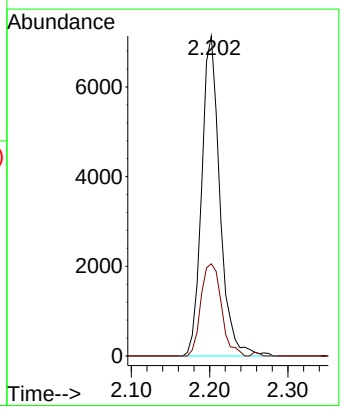
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

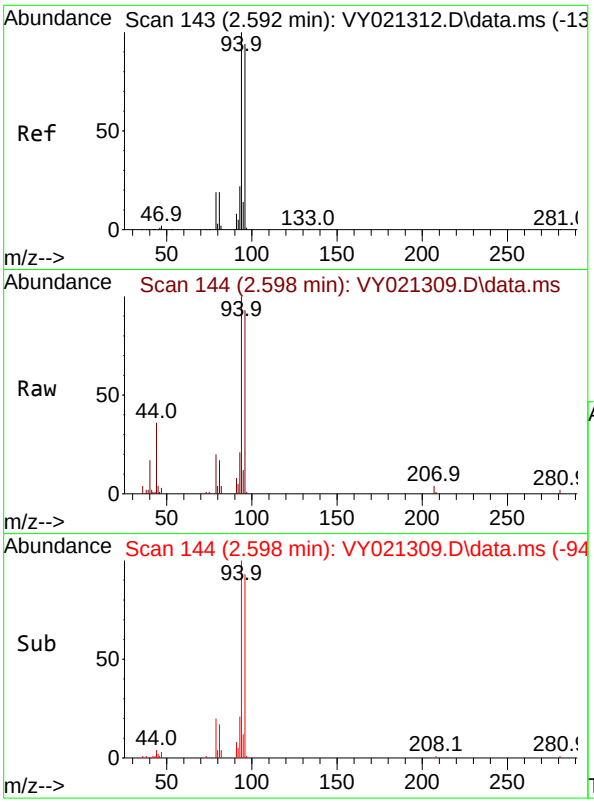


#4
Vinyl Chloride
Concen: 5.389 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 11497

Ion	Ratio	Lower	Upper
62	100		
64	28.8	26.3	39.5

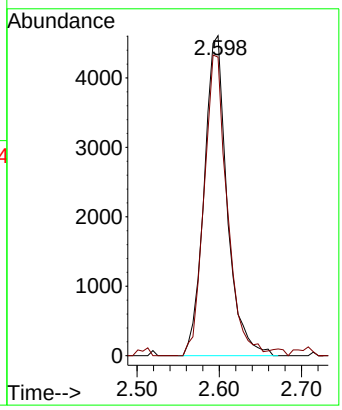




#5
Bromomethane
Concen: 6.321 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 94 Resp: 896

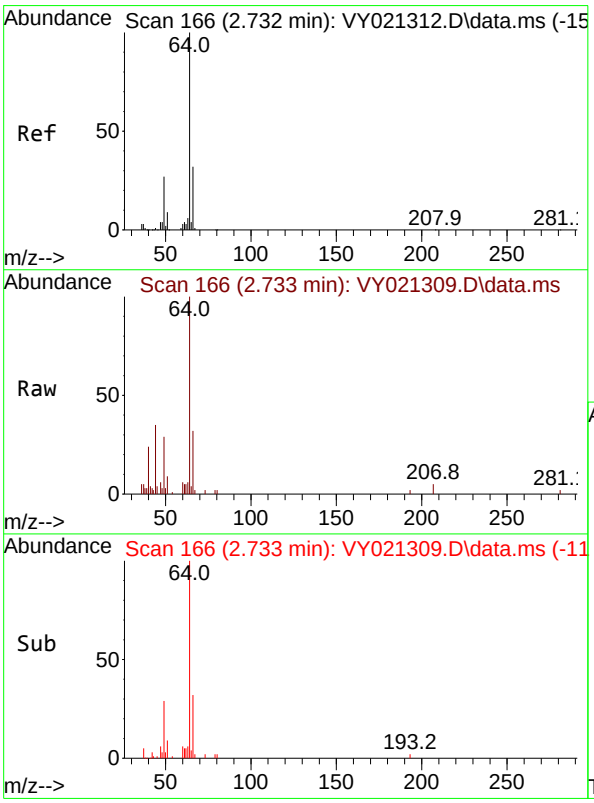
Ion	Ratio	Lower	Upper
94	100		
96	93.3	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

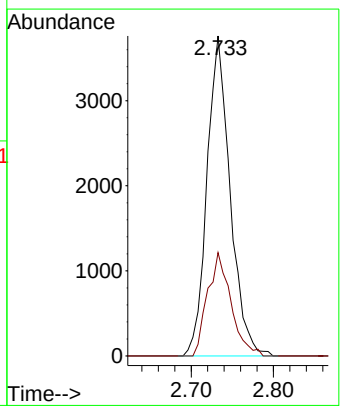
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

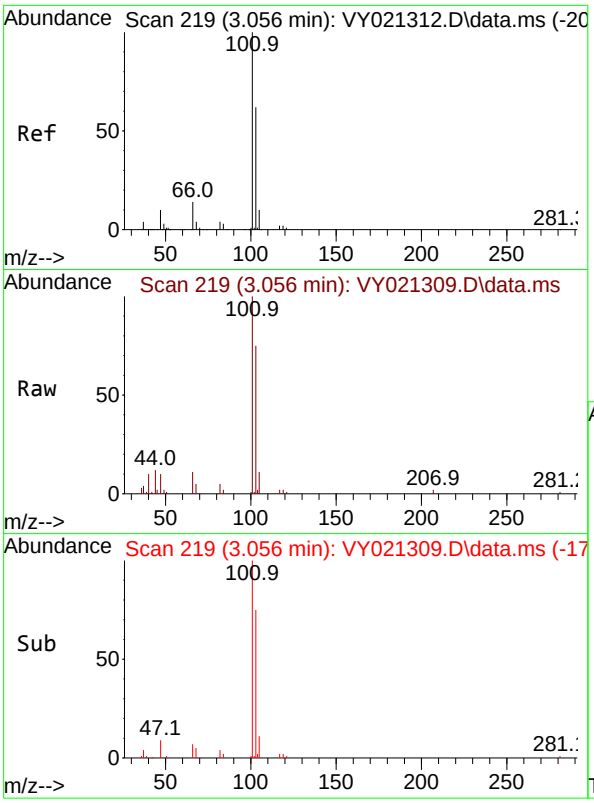


#6
Chloroethane
Concen: 5.556 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 64 Resp: 7351

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.4	38.0

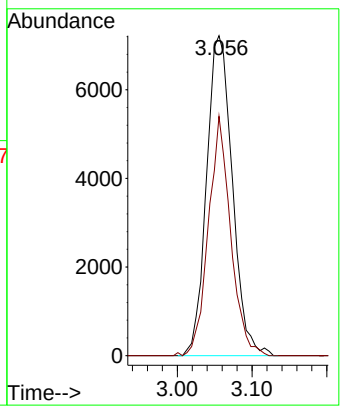




#7
Trichlorofluoromethane
Concen: 5.375 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:101 Resp: 1731

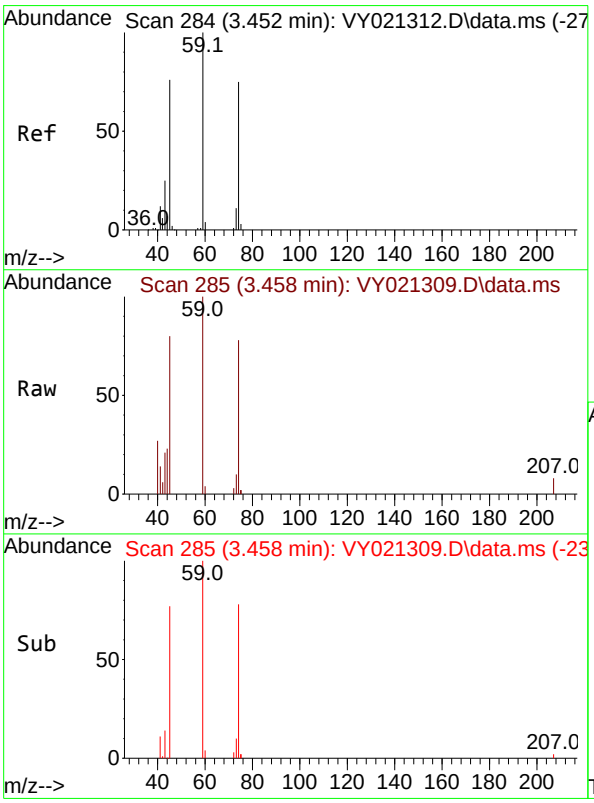
Ion	Ratio	Lower	Upper
101	100		
103	74.8	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

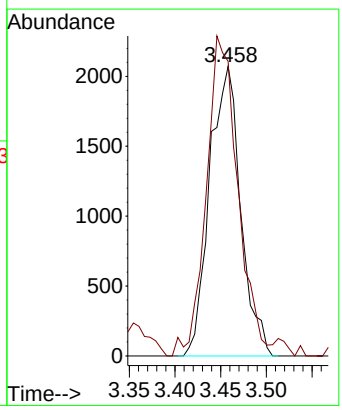
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

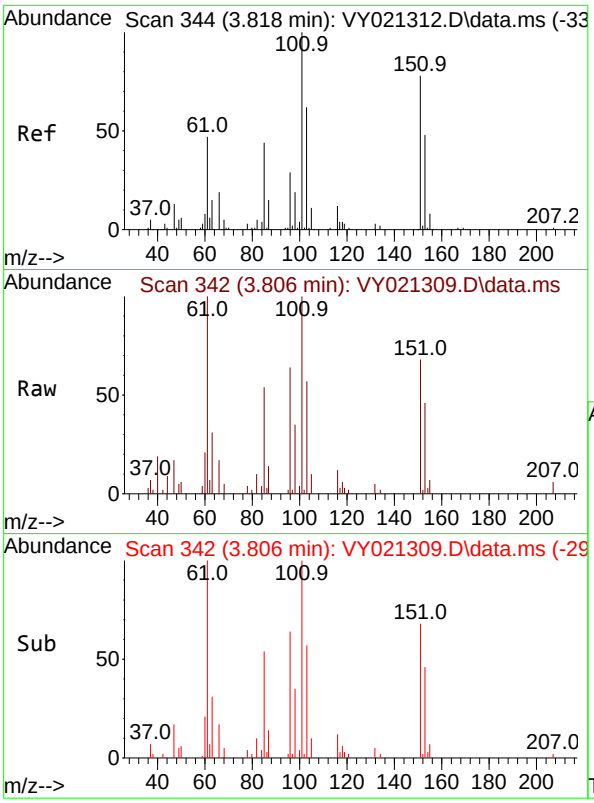


#8
Diethyl Ether
Concen: 5.064 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 74 Resp: 4897

Ion	Ratio	Lower	Upper
74	100		
45	111.5	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.193 ug/l
RT: 3.806 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

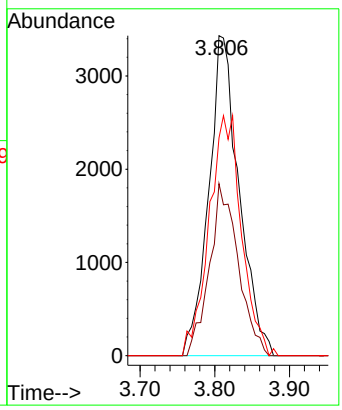
Tgt Ion:101 Resp: 968

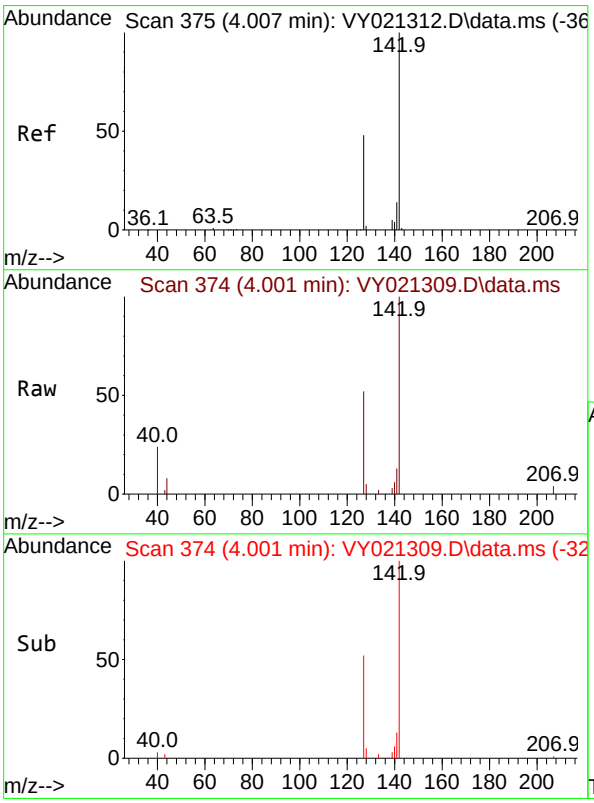
Ion	Ratio	Lower	Upper
101	100		
85	50.9	36.7	55.1
151	80.2	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

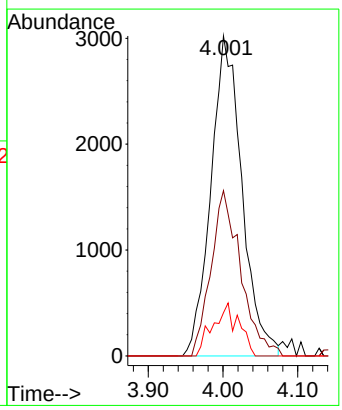


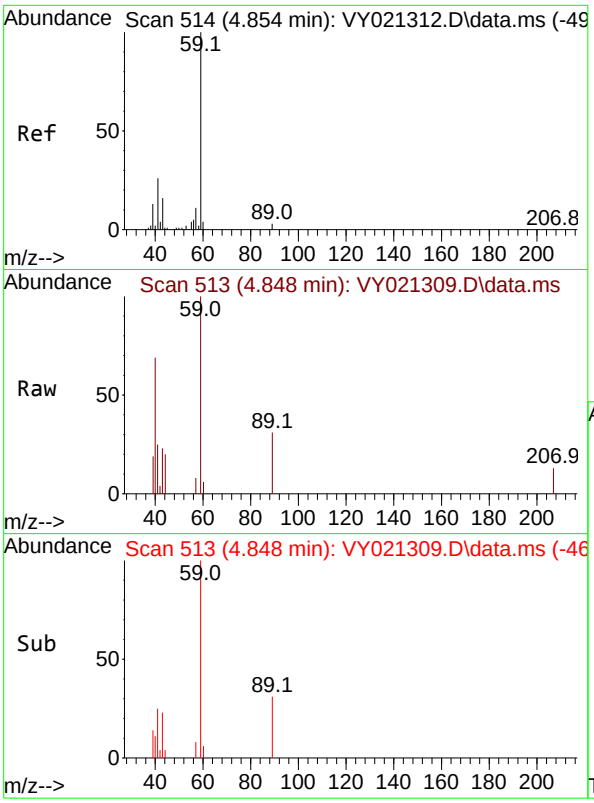


#10
Methyl Iodide
Concen: 4.447 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:142 Resp: 8728

Ion	Ratio	Lower	Upper
142	100		
127	49.6	39.2	58.8
141	13.8	11.4	17.2





#11
Tert butyl alcohol
Concen: 33.345 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

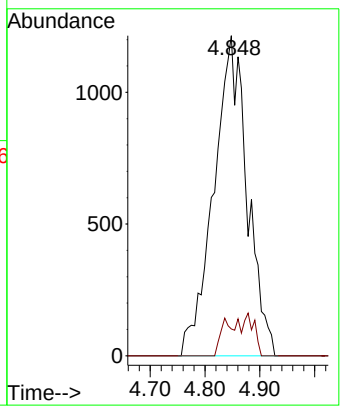
Tgt Ion: 59 Resp: 516

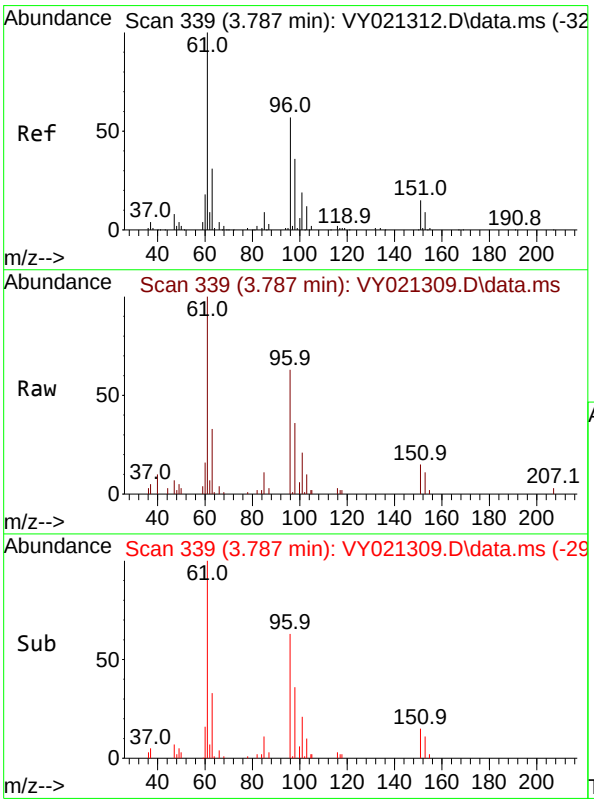
Ion	Ratio	Lower	Upper
59	100		
57	4.3	8.3	12.5#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

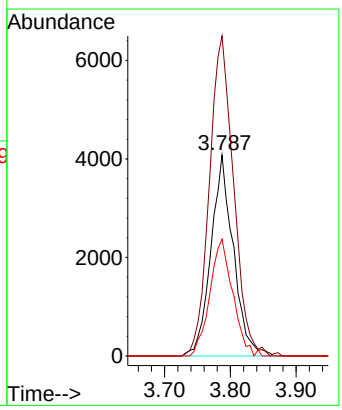


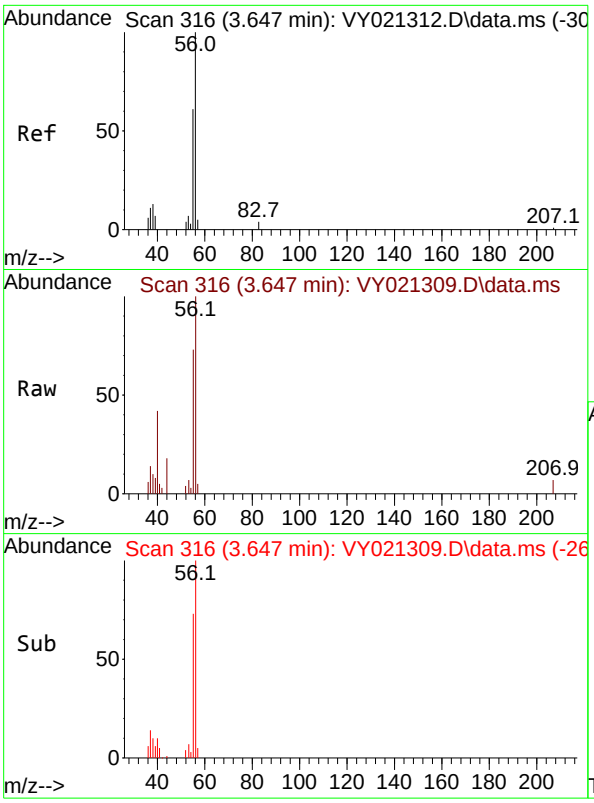


#12
1,1-Dichloroethene
Concen: 5.415 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 9671

Ion	Ratio	Lower	Upper
96	100		
61	159.2	139.7	209.5
98	58.1	49.7	74.5

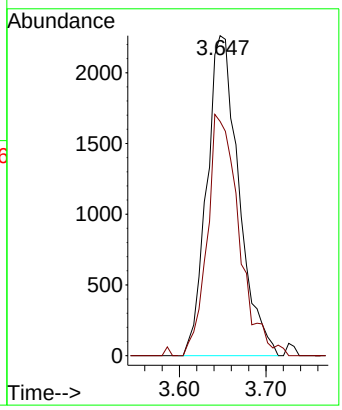




#13
Acrolein
Concen: 48.848 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 56 Resp: 579

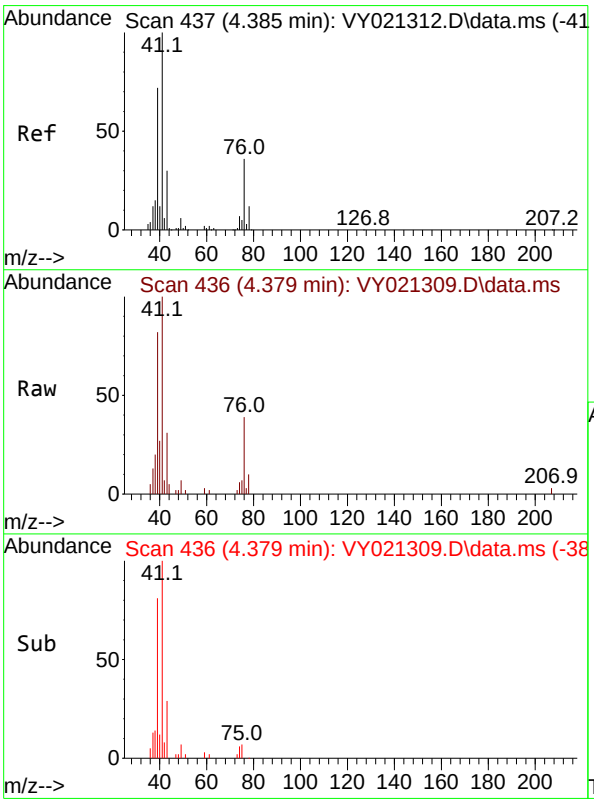
Ion	Ratio	Lower	Upper
56	100		
55	74.8	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

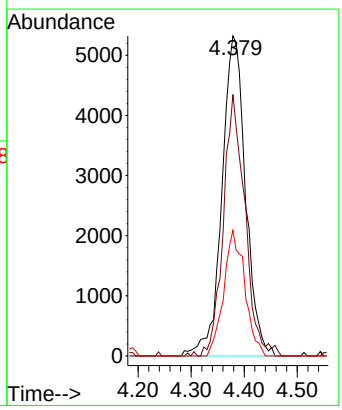
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

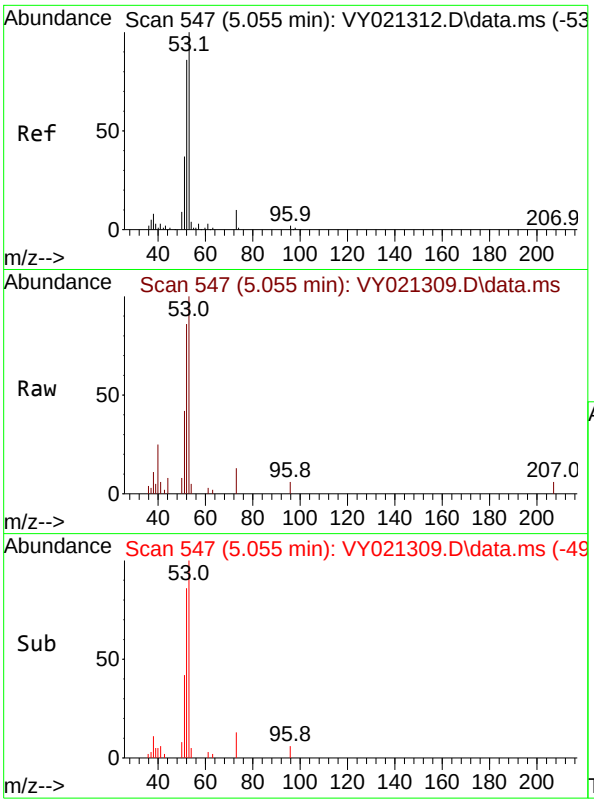


#14
Allyl chloride
Concen: 5.210 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 16498

Ion	Ratio	Lower	Upper
41	100		
39	74.4	60.0	90.0
76	34.9	29.0	43.6

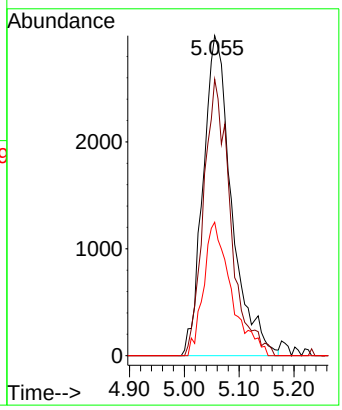




#15
Acrylonitrile
Concen: 25.330 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 53 Resp: 1083

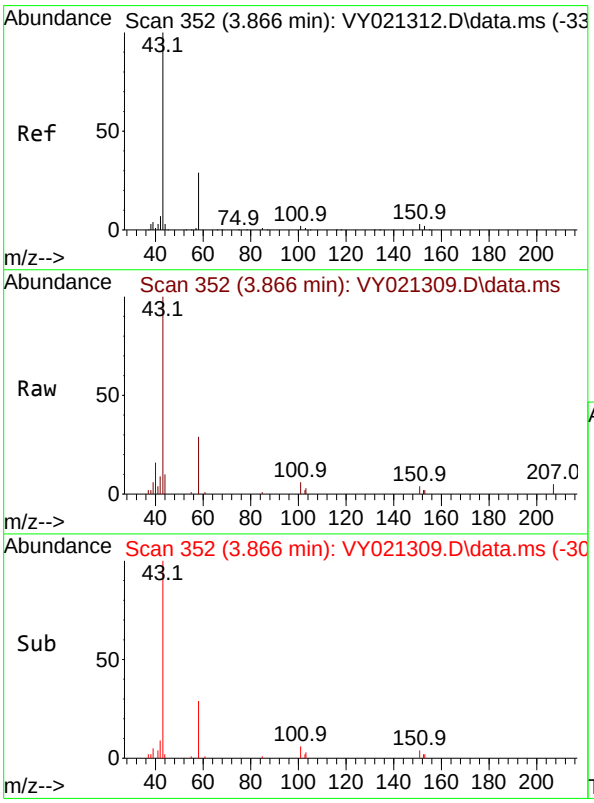
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.5	98.3
51	40.3	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

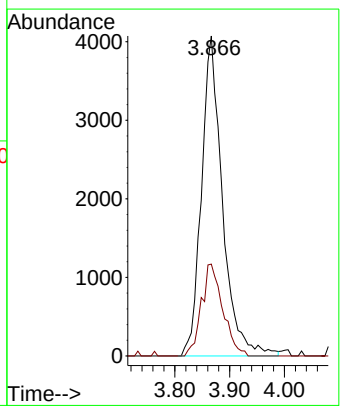
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

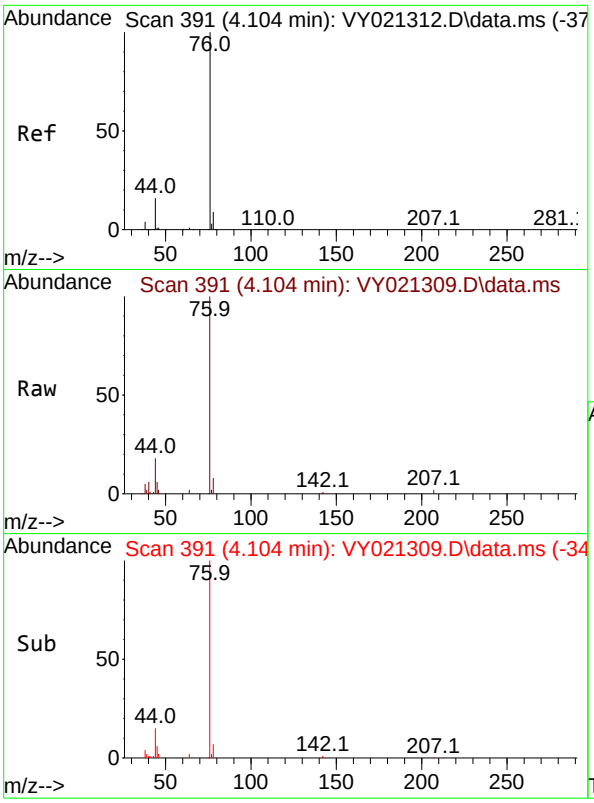


#16
Acetone
Concen: 28.018 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 10823

Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.5	35.3

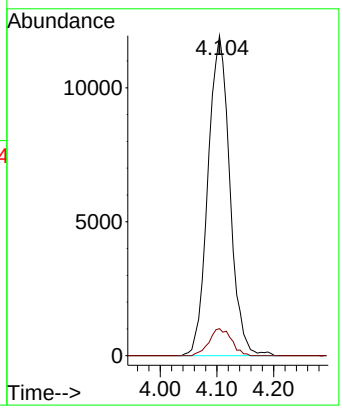




#17
Carbon Disulfide
Concen: 5.387 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 76 Resp: 3195

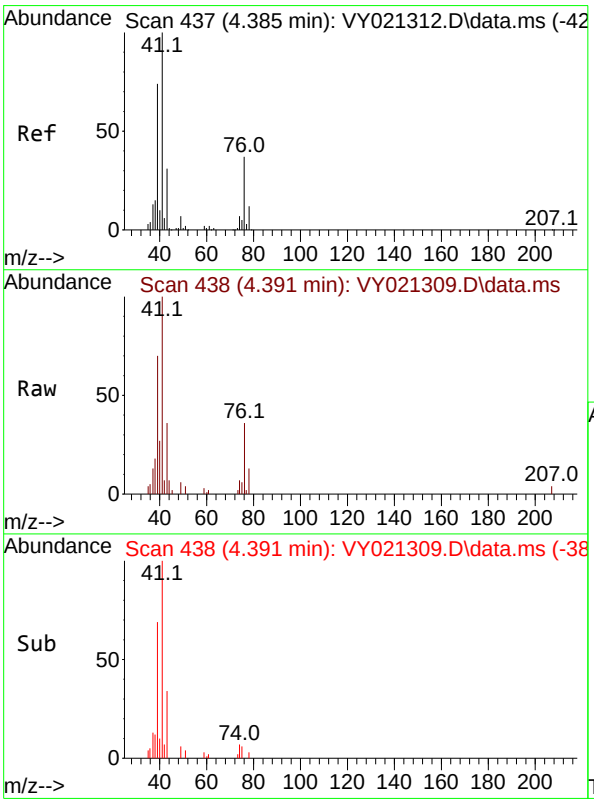
Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

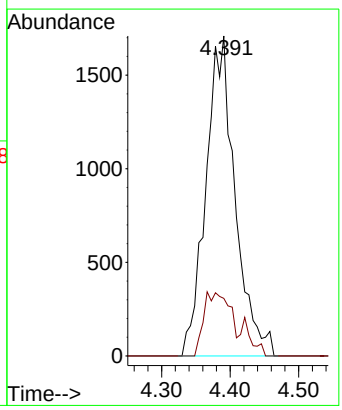
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

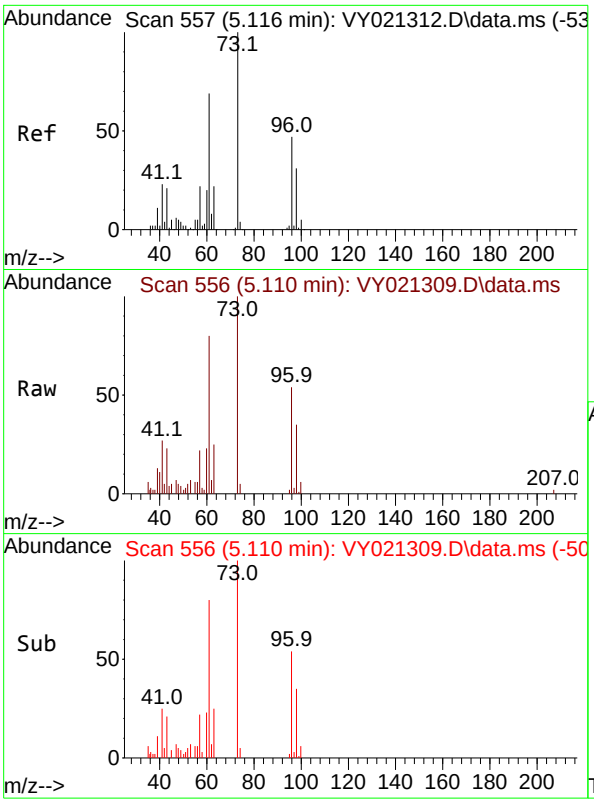


#18
Methyl Acetate
Concen: 5.362 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 5062

Ion	Ratio	Lower	Upper
43	100		
74	0.0	17.7	26.5#

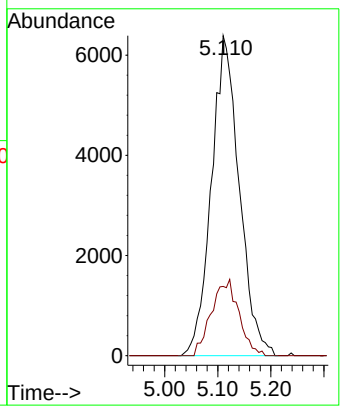




#19
Methyl tert-butyl Ether
Concen: 4.935 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 73 Resp: 2329

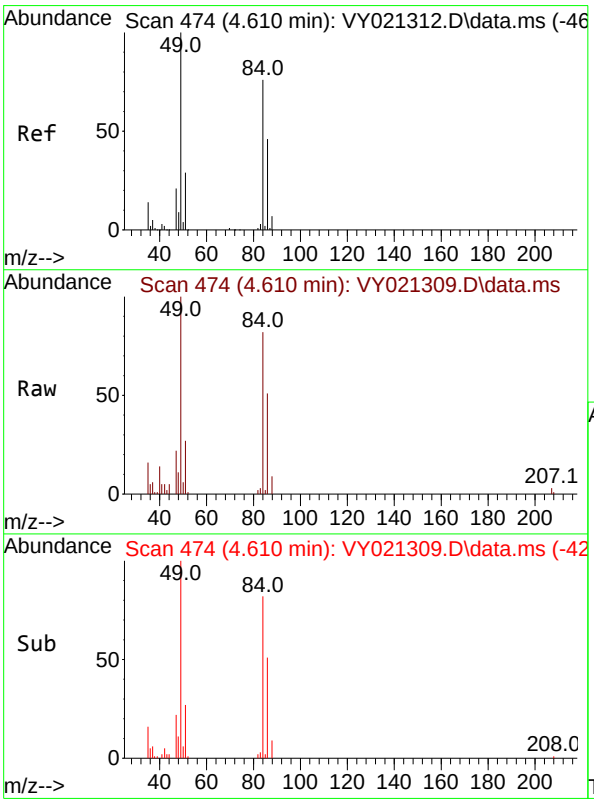
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

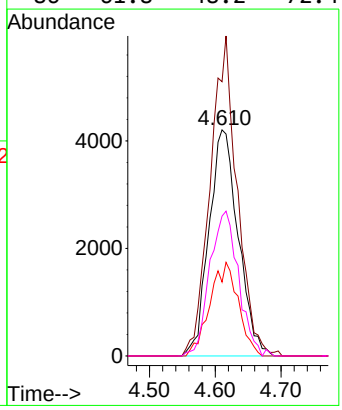
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

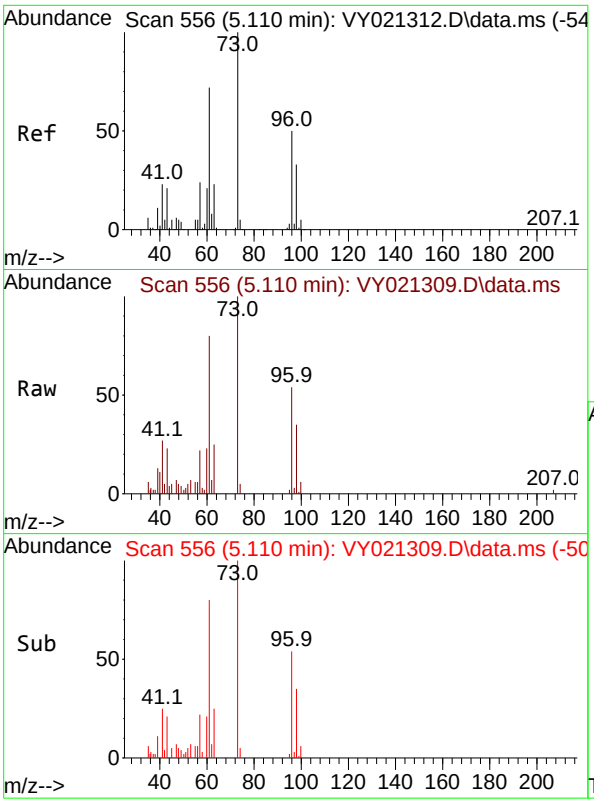


#20
Methylene Chloride
Concen: 6.225 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 84 Resp: 13003

Ion	Ratio	Lower	Upper
84	100		
49	121.3	105.1	157.7
51	32.7	31.0	46.4
86	61.8	48.2	72.4

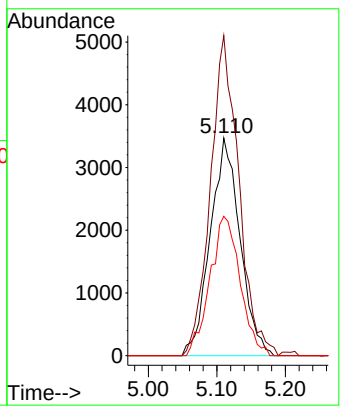




#21
trans-1,2-Dichloroethene
Concen: 5.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 1045

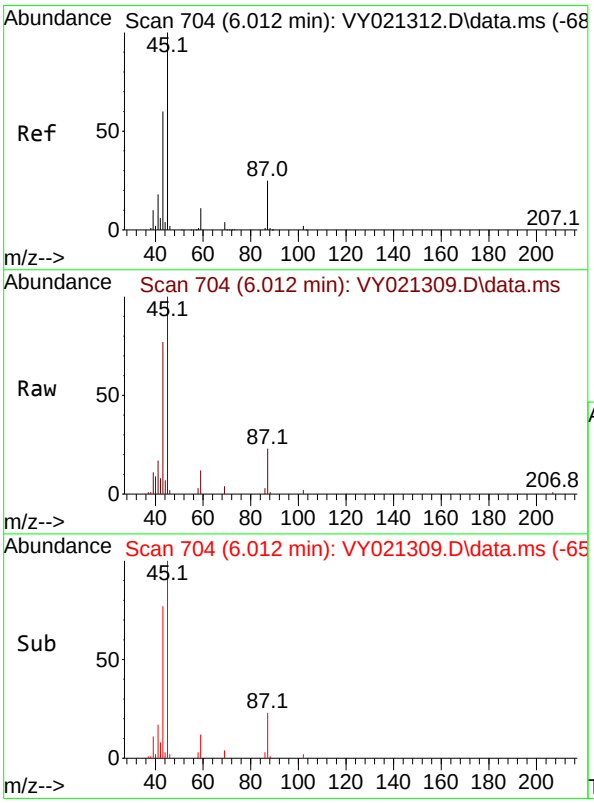
Ion	Ratio	Lower	Upper
96	100		
61	147.0	116.3	174.5
98	64.0	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

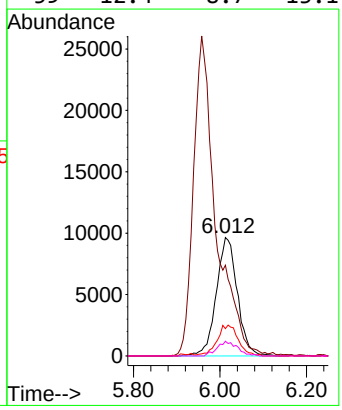
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

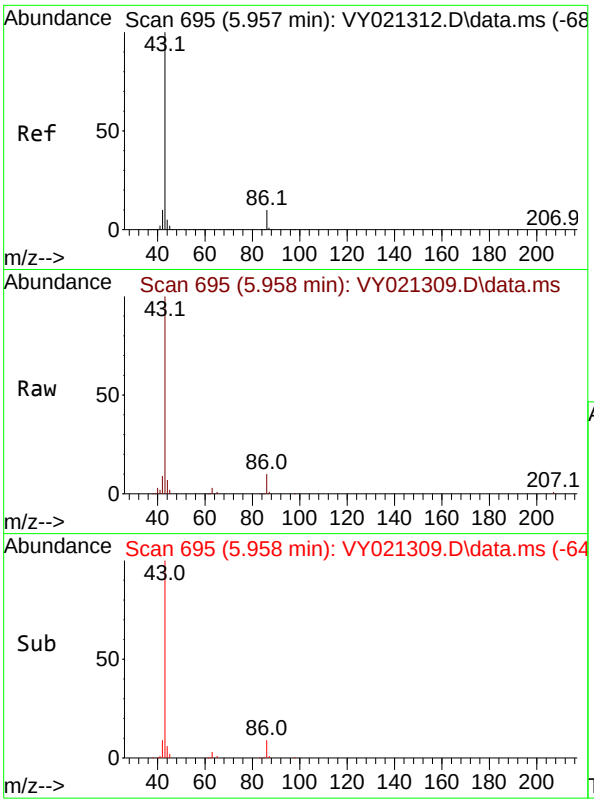


#22
Diisopropyl ether
Concen: 4.981 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 45 Resp: 32640

Ion	Ratio	Lower	Upper
45	100		
43	75.5	48.2	72.4#
87	23.1	20.3	30.5
59	12.4	8.7	13.1

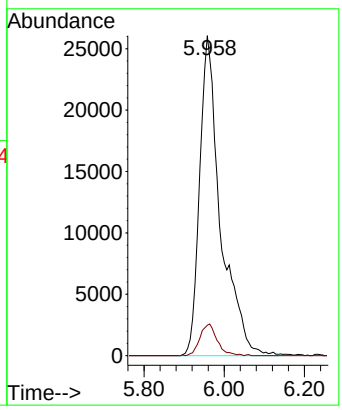




#23
Vinyl Acetate
Concen: 24.067 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 9424

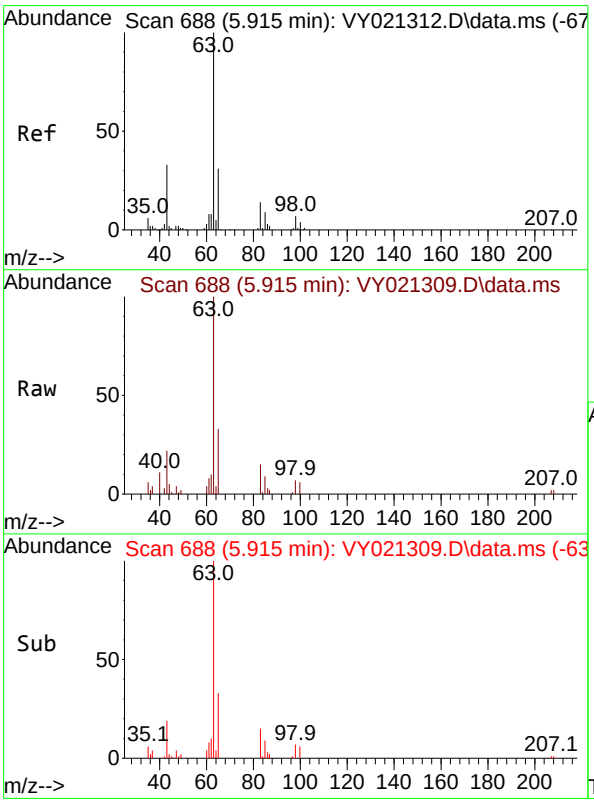
Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

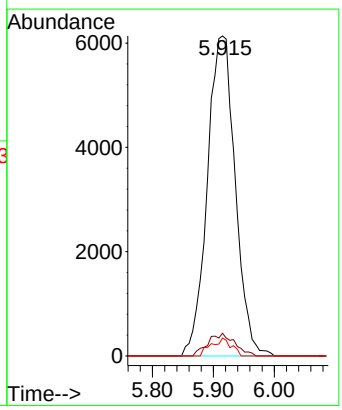
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

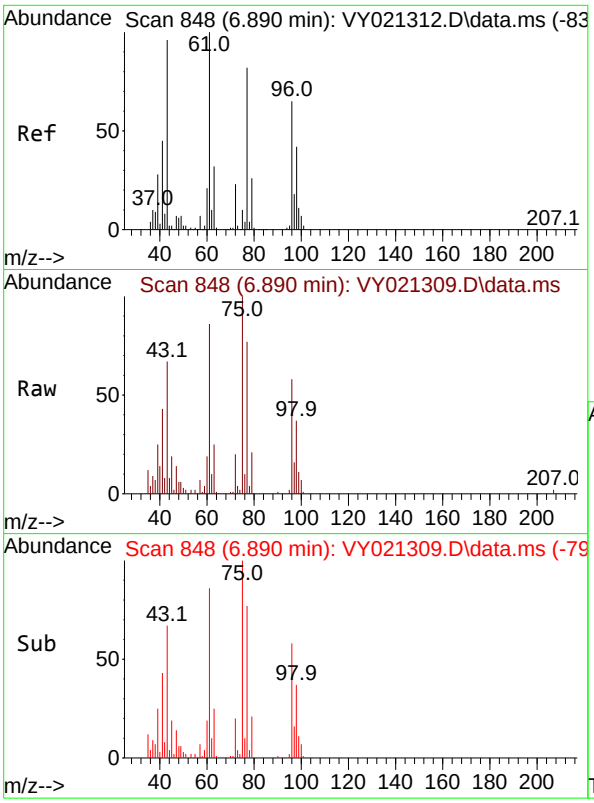


#24
1,1-Dichloroethane
Concen: 5.290 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 19538

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	5.6	2.1	6.5





#25
2-Butanone
Concen: 24.599 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

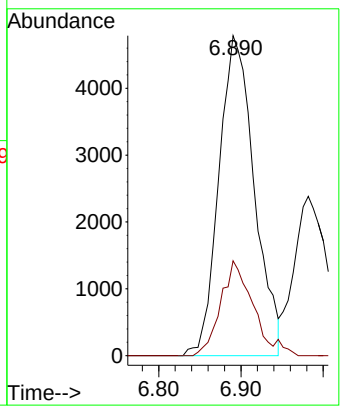
Tgt Ion: 43 Resp: 1434

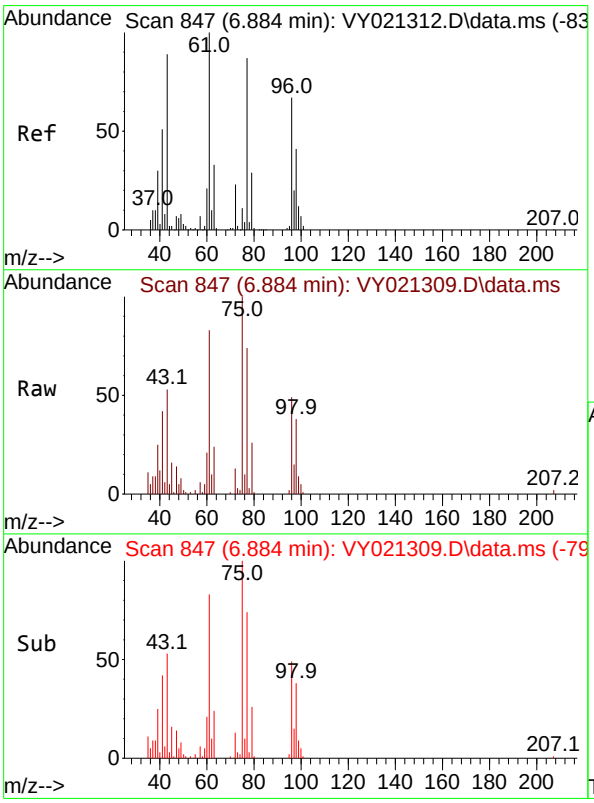
Ion	Ratio	Lower	Upper
43	100		
72	29.6	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

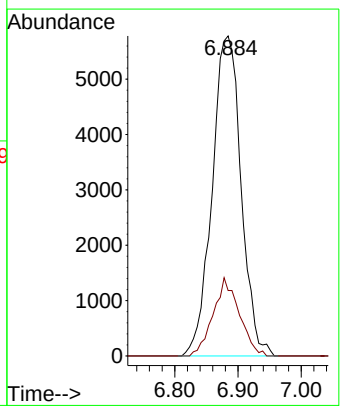


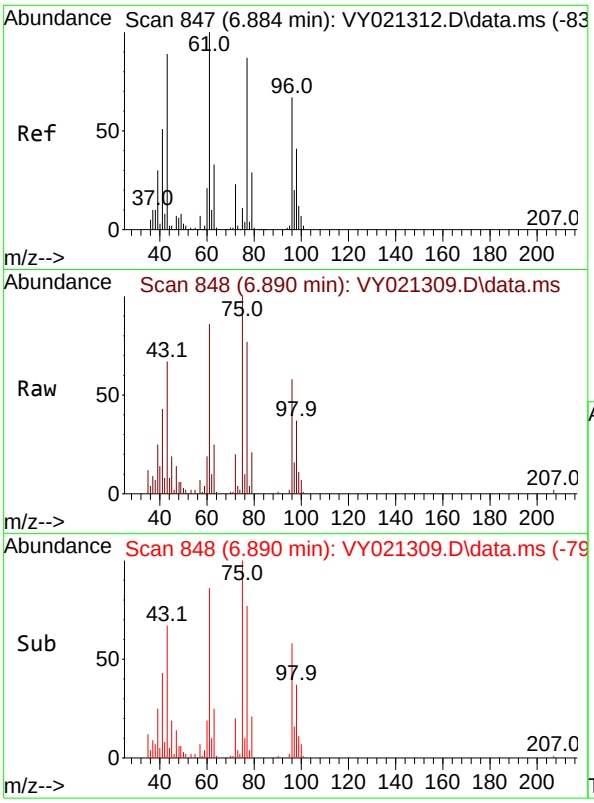


#26
2,2-Dichloropropane
Concen: 5.488 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 77 Resp: 18391

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7

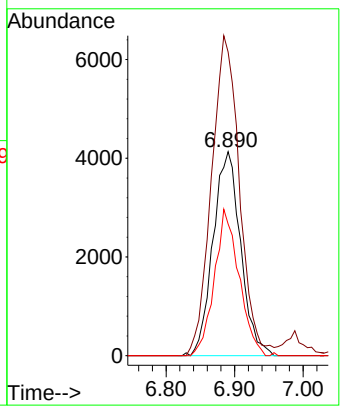




#27
cis-1,2-Dichloroethene
Concen: 5.132 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 1152

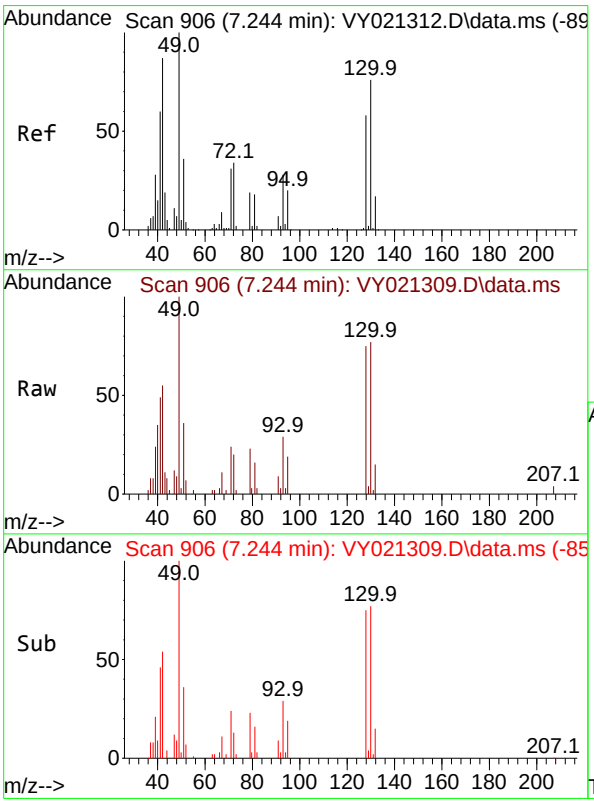
Ion	Ratio	Lower	Upper
96	100		
61	159.3	0.0	308.0
98	64.2	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

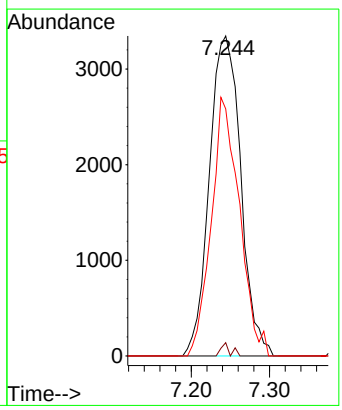
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

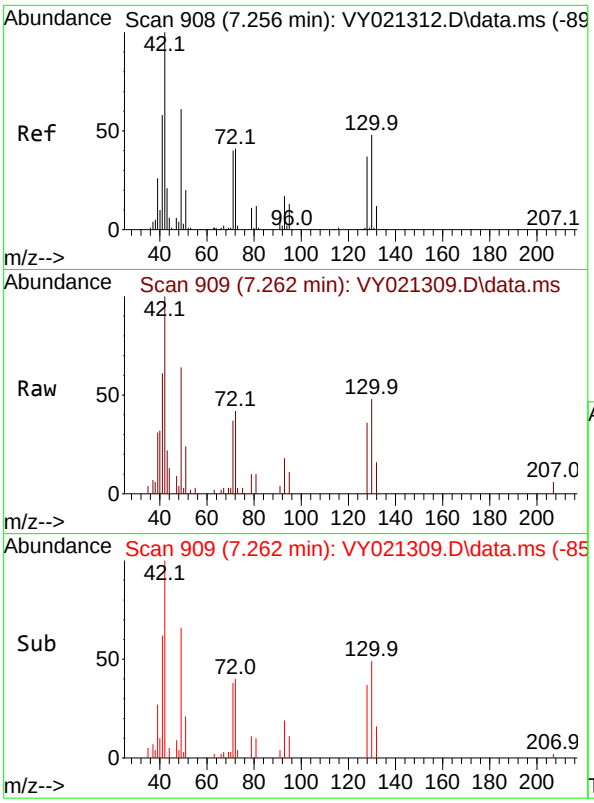


#28
Bromochloromethane
Concen: 5.702 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 49 Resp: 9318

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	72.6	57.8	86.6





#29
Tetrahydrofuran
Concen: 24.455 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

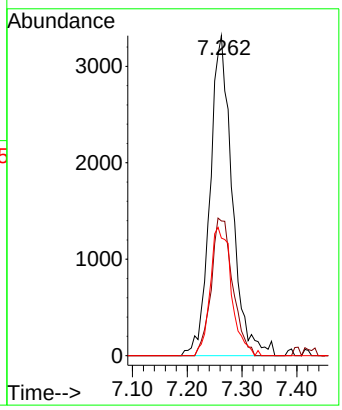
Tgt Ion: 42 Resp: 931

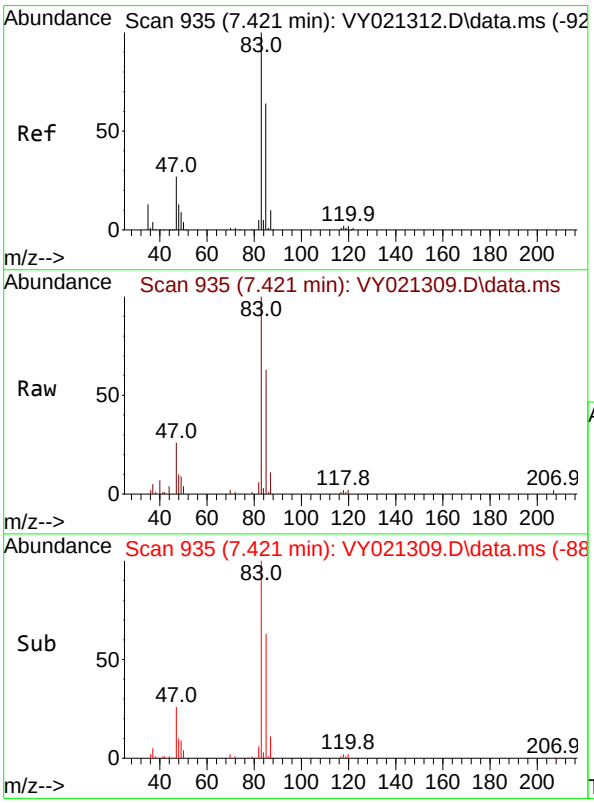
Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.1	49.7
71	38.3	31.4	47.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

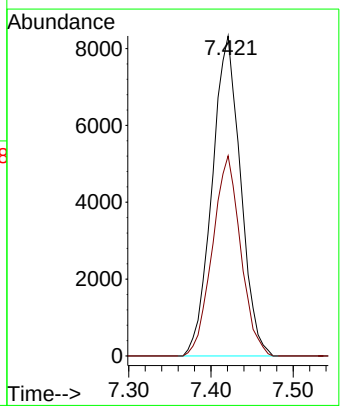


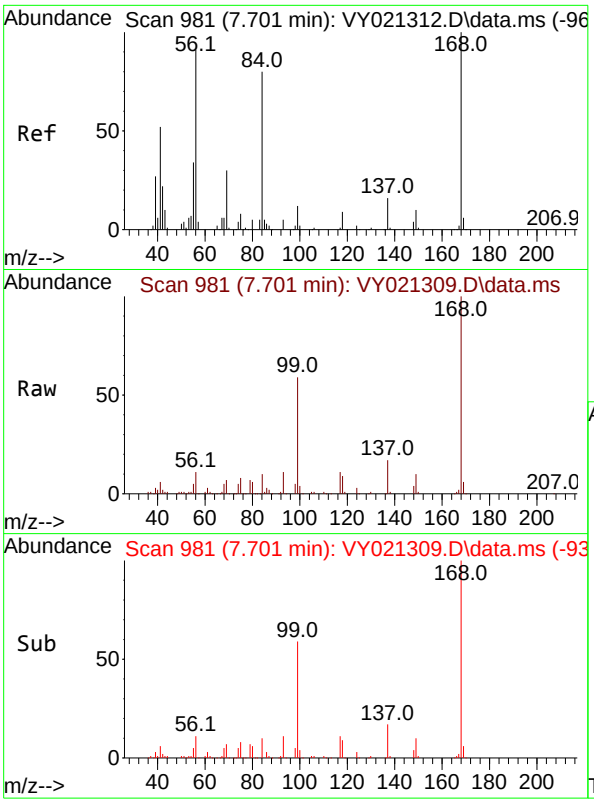


#30
Chloroform
Concen: 5.351 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 20025

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.6	77.4

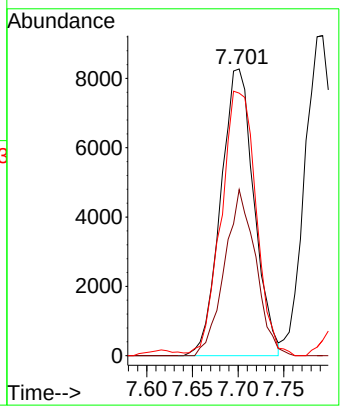




#31
Cyclohexane
Concen: 5.912 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 56 Resp: 2099

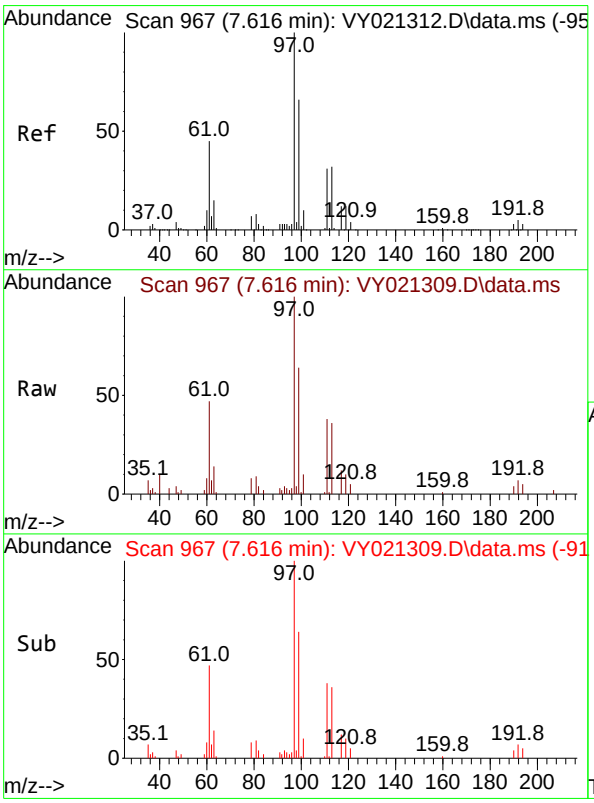
Ion	Ratio	Lower	Upper
56	100		
69	57.9	26.2	39.4
84	90.3	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

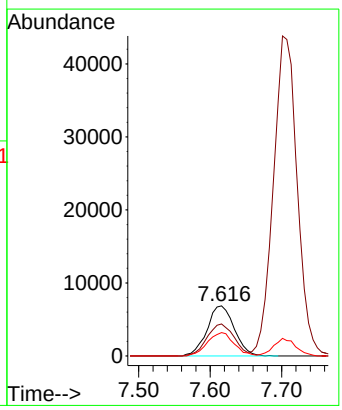
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

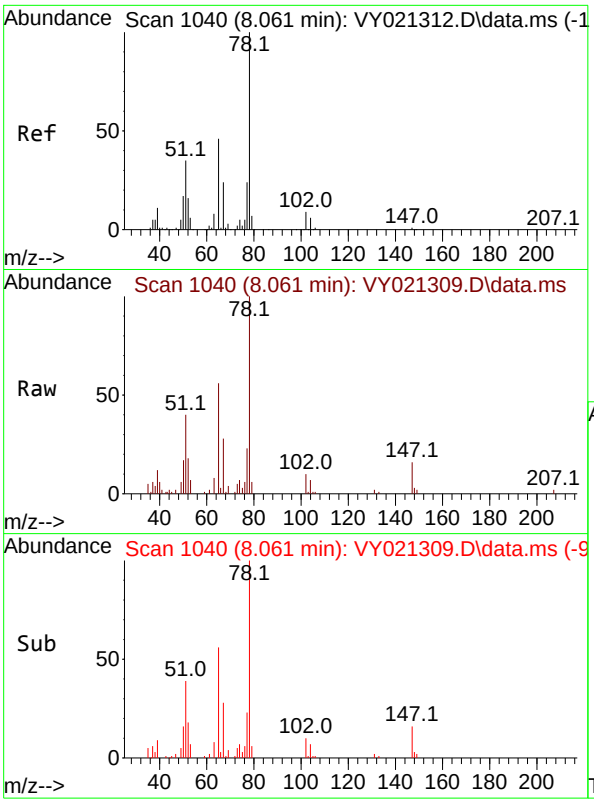


#32
1,1,1-Trichloroethane
Concen: 5.315 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 97 Resp: 18106

Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.4	78.6
61	45.7	36.2	54.2





#33
1,2-Dichloroethane-d4
Concen: 6.003 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

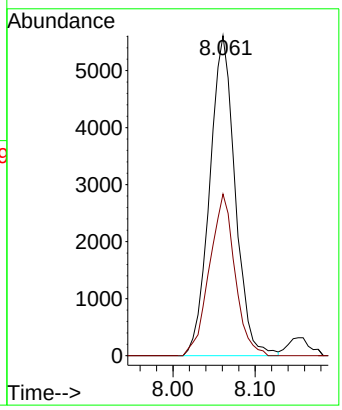
Tgt Ion: 65 Resp: 1208

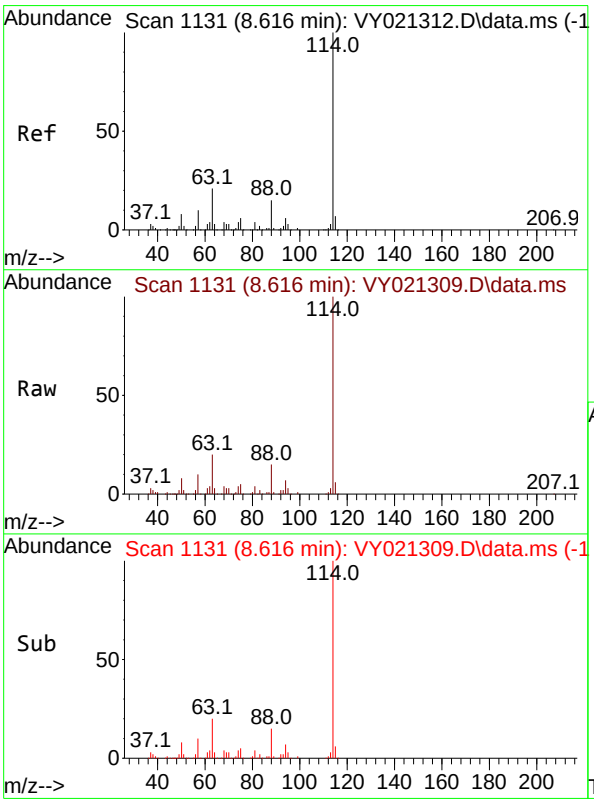
Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	103.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

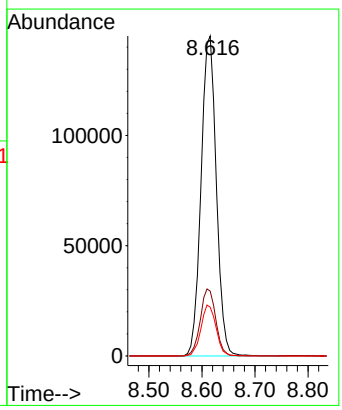


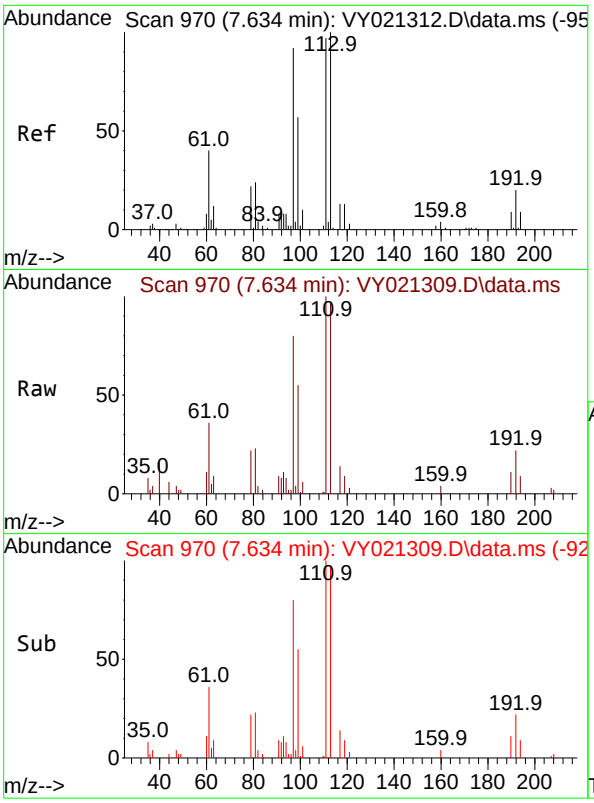


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:114 Resp: 289913

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.2
88	15.2	0.0	29.8

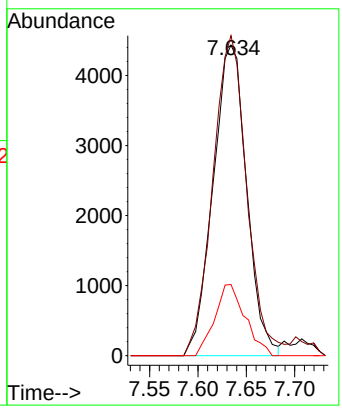




#35
Dibromofluoromethane
Concen: 5.637 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:113 Resp: 1071

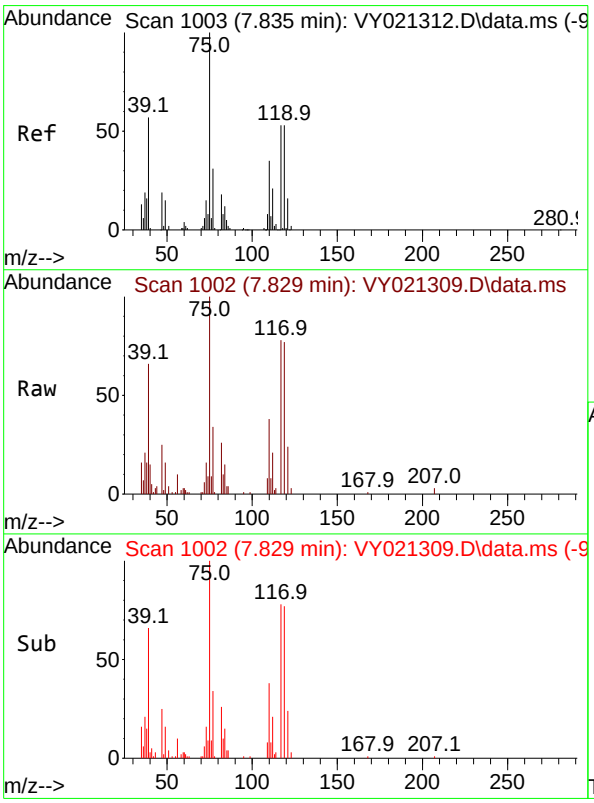
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.0	121.6
192	20.8	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

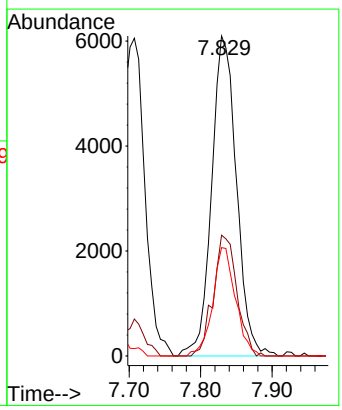
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

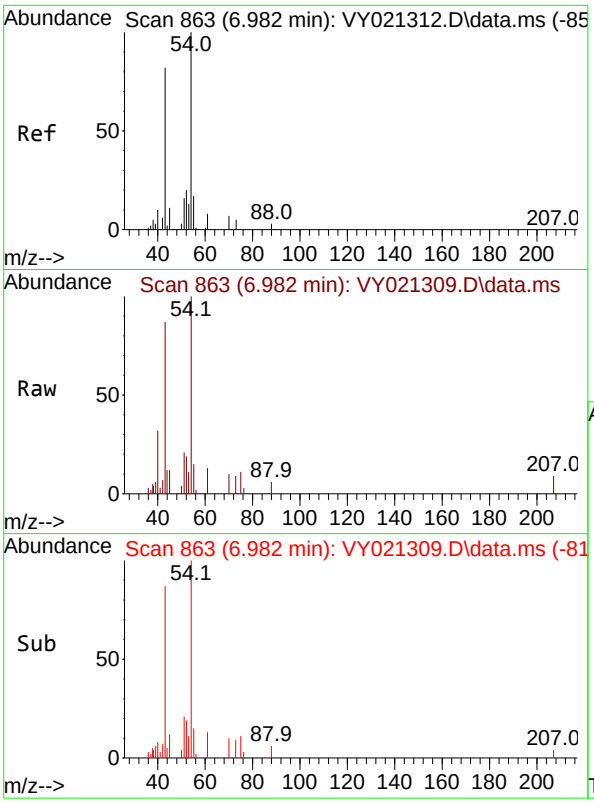


#36
1,1-Dichloropropene
Concen: 5.155 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 14719

Ion	Ratio	Lower	Upper
75	100		
110	35.9	16.9	50.7
77	31.0	24.6	36.8





#37
Ethyl Acetate
Concen: 5.119 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

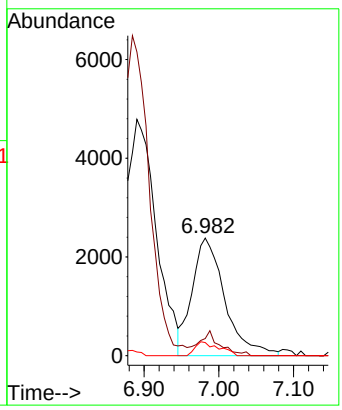
Tgt Ion: 43 Resp: 727

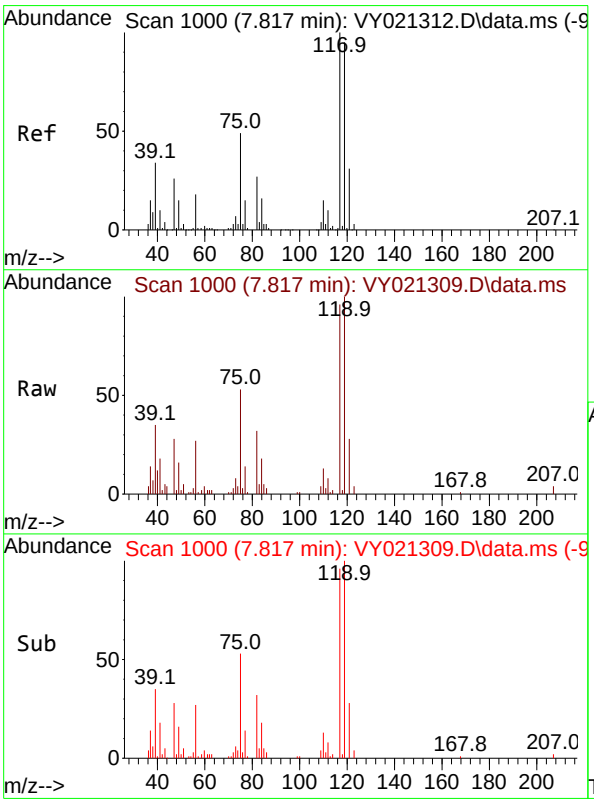
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	8.5	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

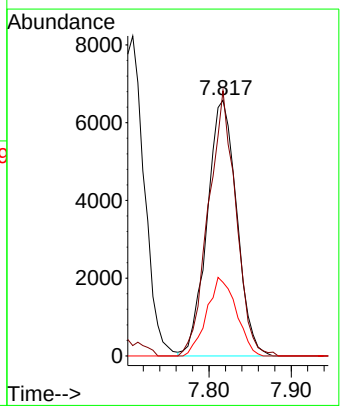


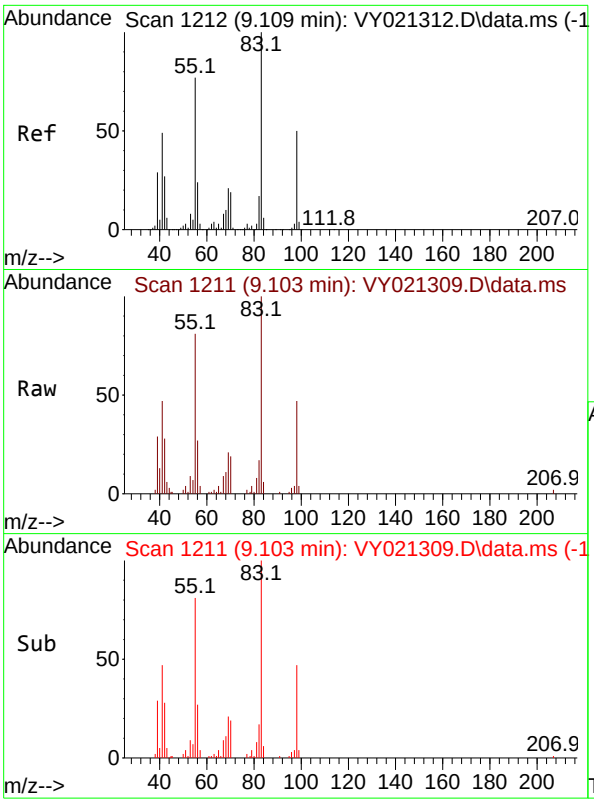


#38
Carbon Tetrachloride
Concen: 5.124 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 16445

Ion	Ratio	Lower	Upper
117	100		
119	103.8	76.0	114.0
121	28.8	24.9	37.3





#39
Methylcyclohexane
Concen: 4.795 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

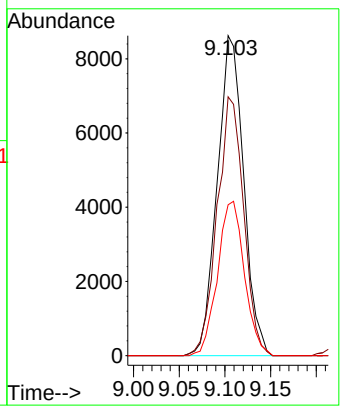
Tgt Ion: 83 Resp: 1731

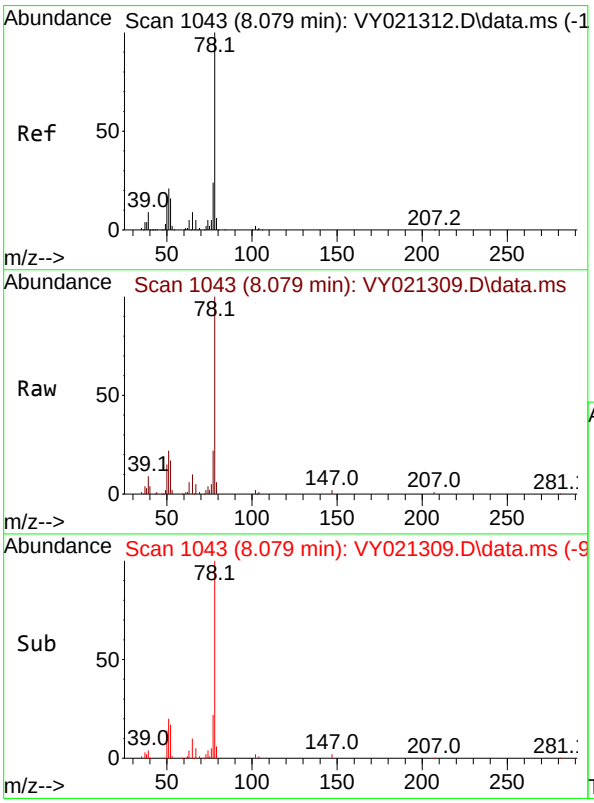
Ion	Ratio	Lower	Upper
83	100		
55	80.9	61.3	91.9
98	47.2	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

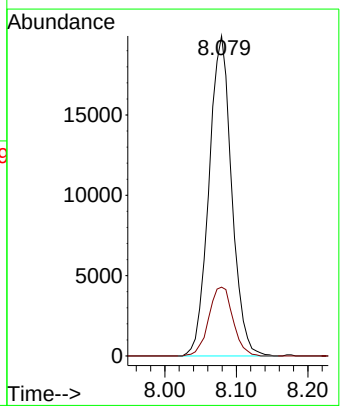


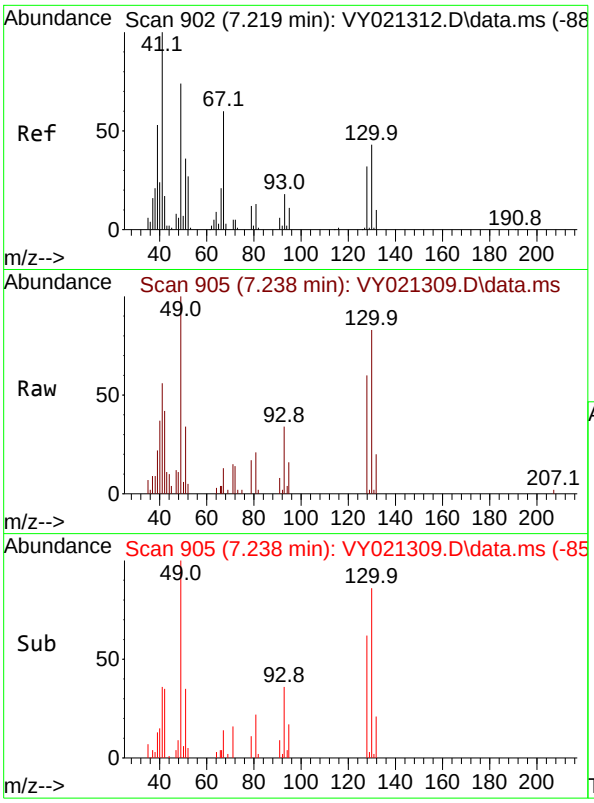


#40
Benzene
Concen: 5.203 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 78 Resp: 43912

Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.2	28.8

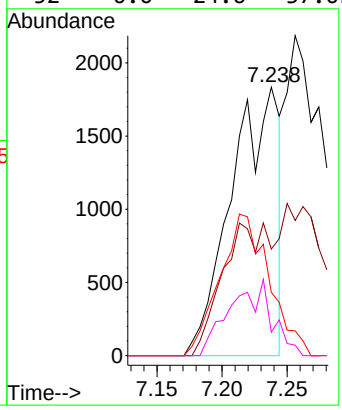




#41
Methacrylonitrile
Concen: 5.908 ug/l m
RT: 7.238 min Scan# 9
Delta R.T. 0.018 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 469

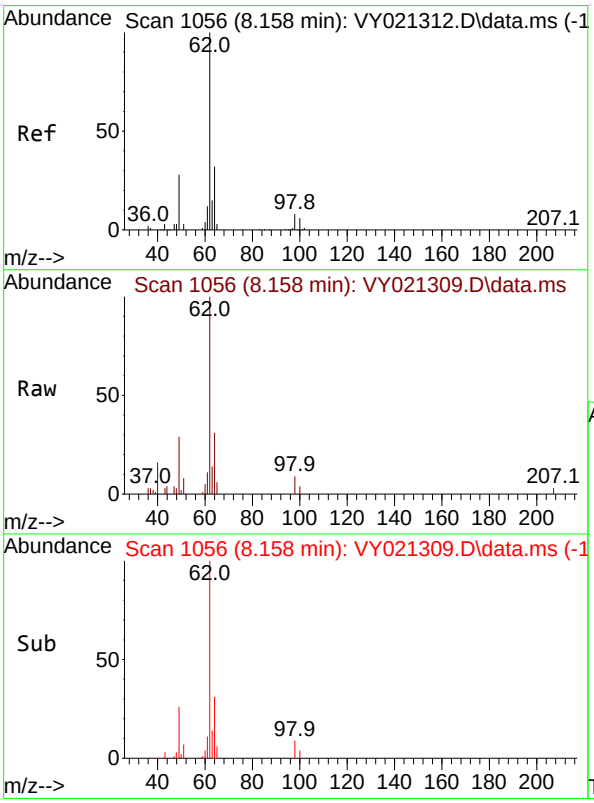
Ion	Ratio	Lower	Upper
41	100		
39	35.3	42.3	63.5#
67	54.1	54.8	82.2#
52	0.0	24.6	37.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

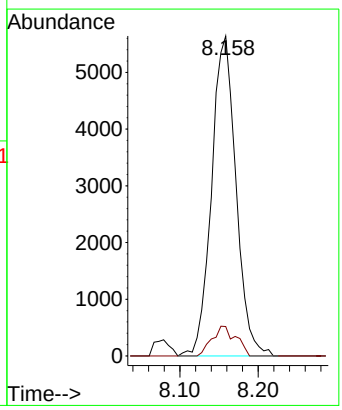
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

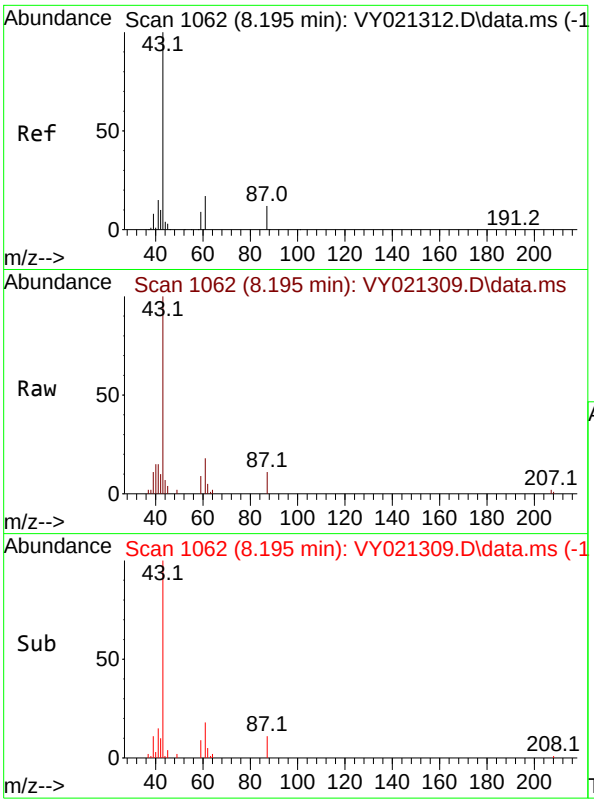


#42
1,2-Dichloroethane
Concen: 5.110 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 12236

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6





#43
Isopropyl Acetate
Concen: 4.668 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

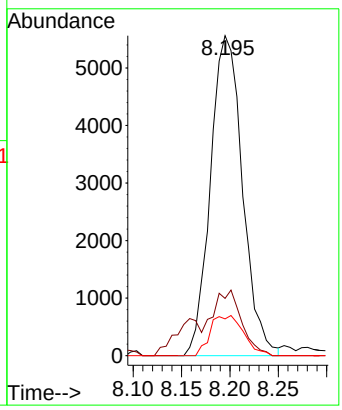
Tgt Ion: 43 Resp: 1283

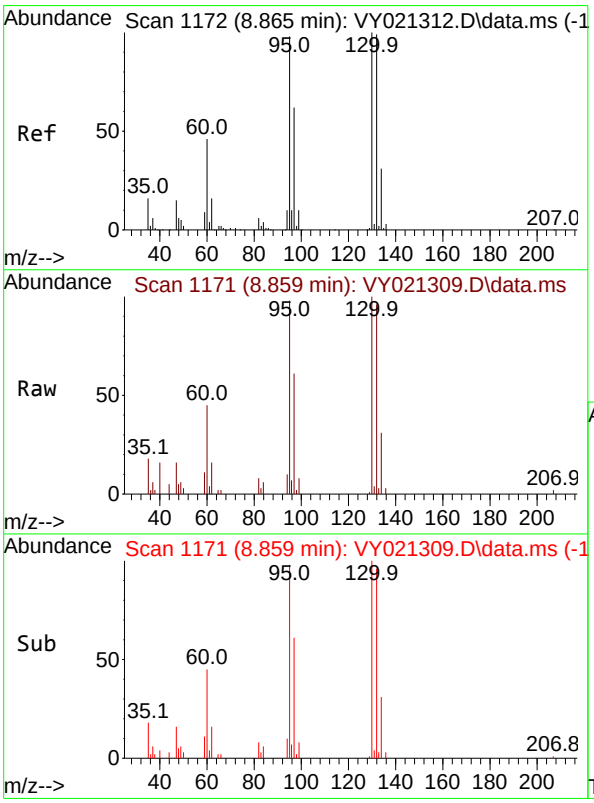
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.0	22.6
87	13.0	10.0	15.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

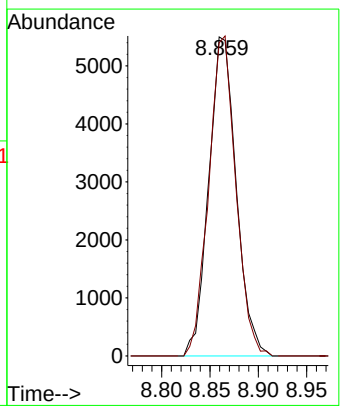


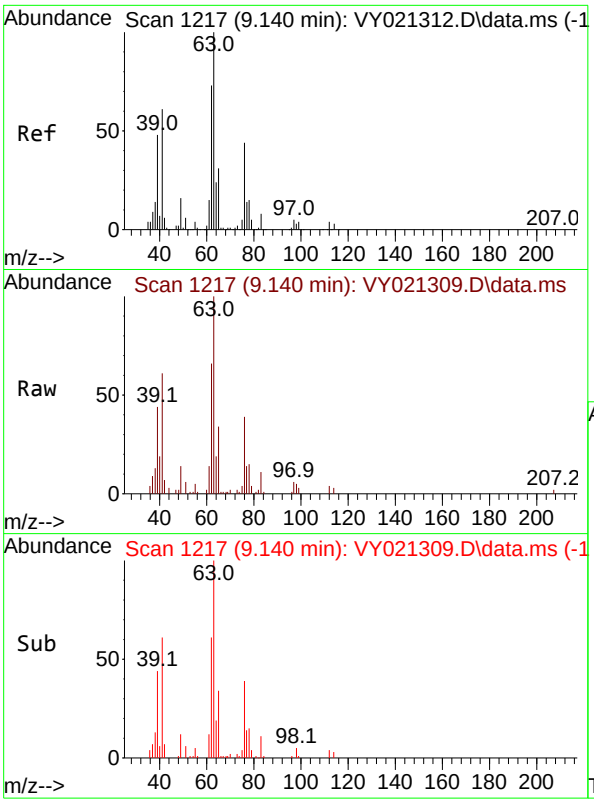


#44
Trichloroethene
Concen: 5.143 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:130 Resp: 10868

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	196.0

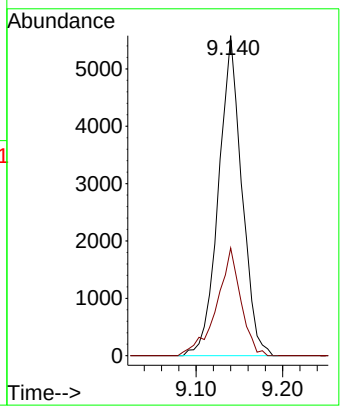




#45
1,2-Dichloropropane
Concen: 5.133 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 1042

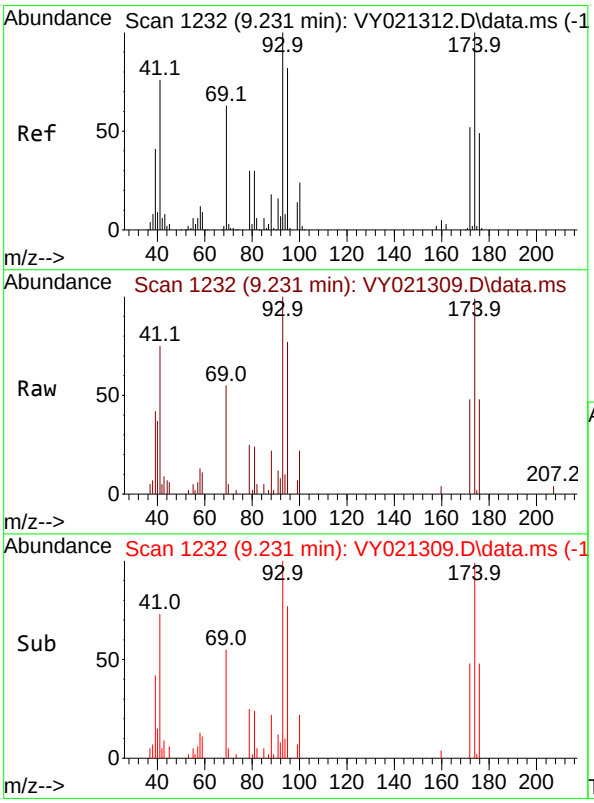
Ion	Ratio	Lower	Upper
63	100		
65	33.6	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

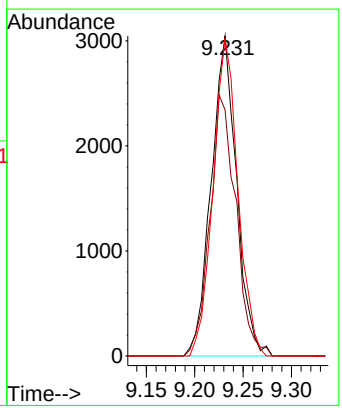
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

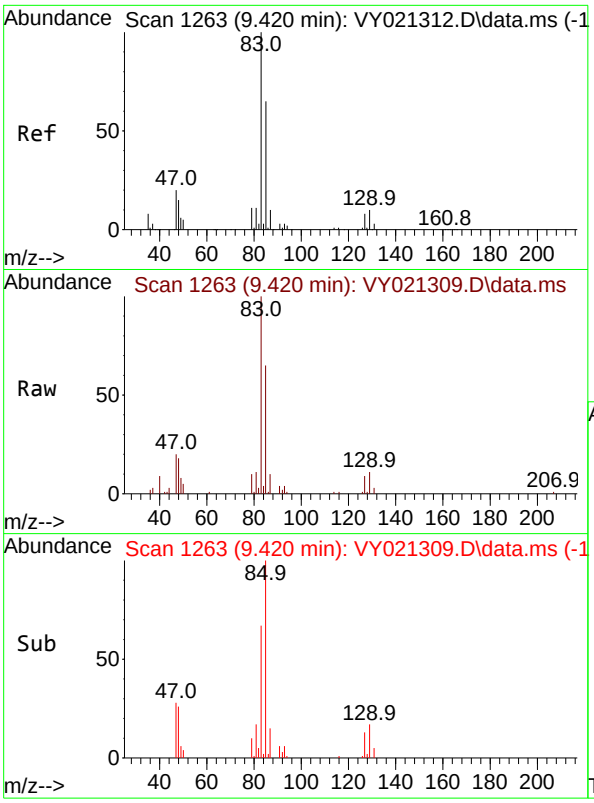


#46
Dibromomethane
Concen: 5.005 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 93 Resp: 5557

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	97.3	78.2	117.2

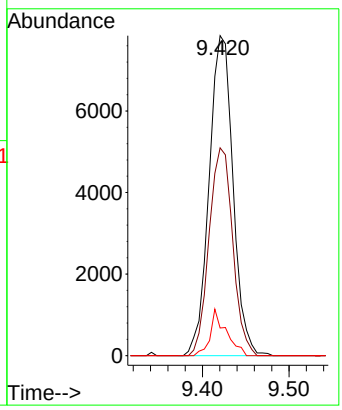




#47
Bromodichloromethane
Concen: 5.081 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 1504

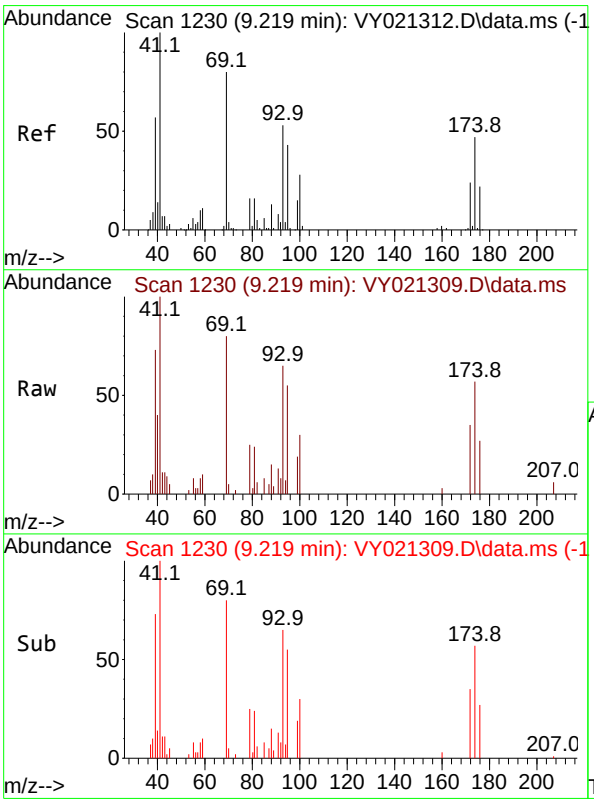
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8
127	8.7	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

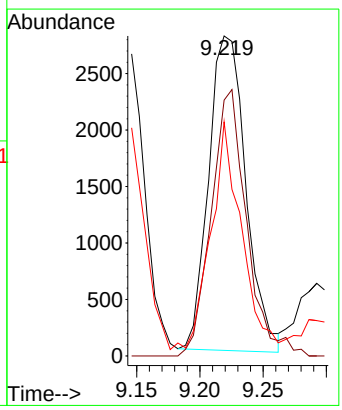
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

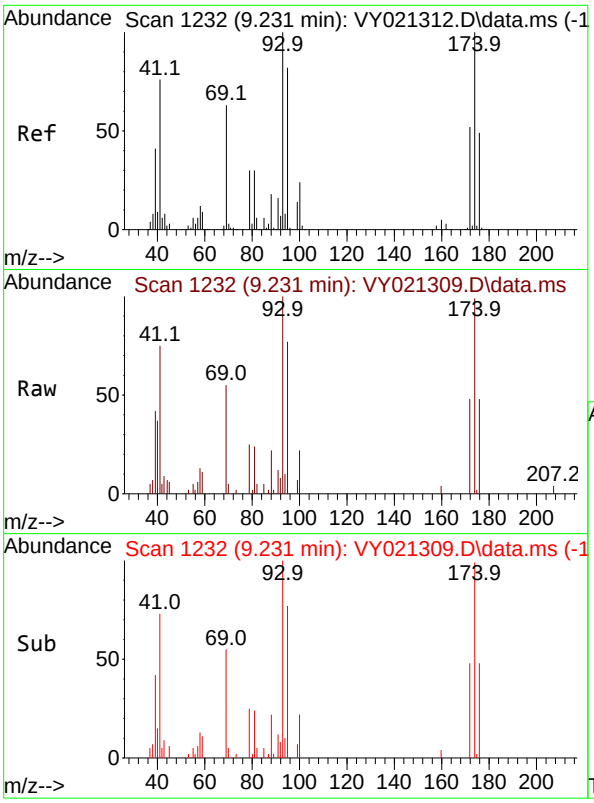


#48
Methyl methacrylate
Concen: 4.433 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 5698

Ion	Ratio	Lower	Upper
41	100		
69	80.6	63.3	94.9
39	62.7	45.0	67.6

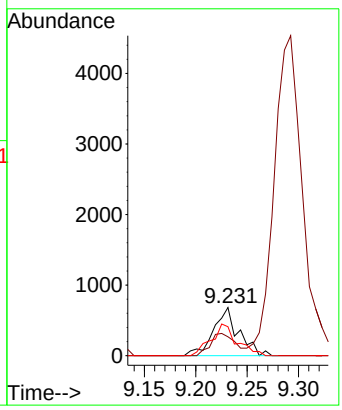




#49
1,4-Dioxane
Concen: 94.292 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 88 Resp: 116

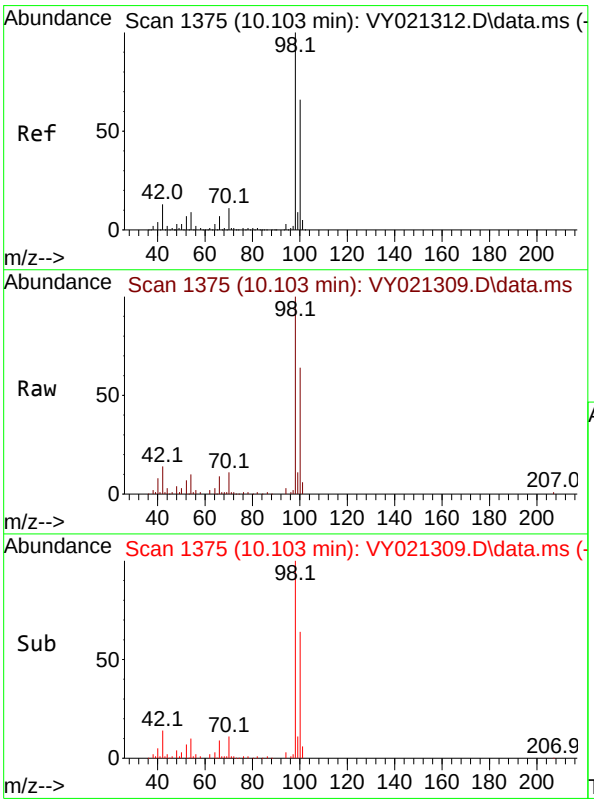
Ion	Ratio	Lower	Upper
88	100		
43	43.6	34.8	52.2
58	67.1	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

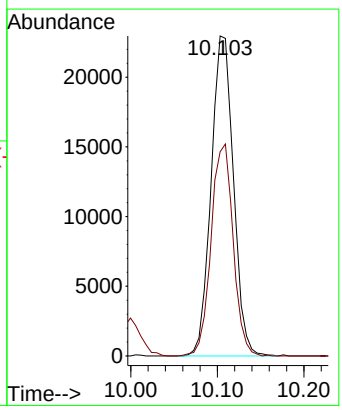
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

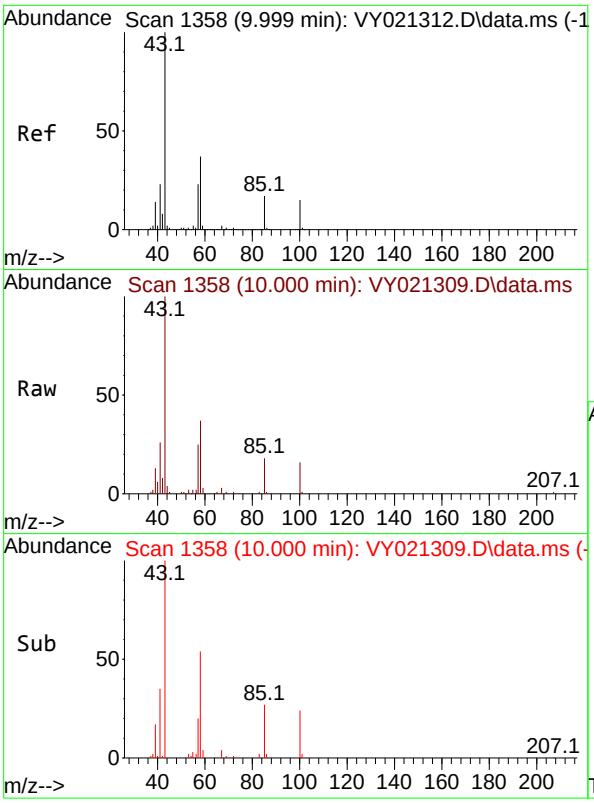


#50
Toluene-d8
Concen: 5.603 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 98 Resp: 41158

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6

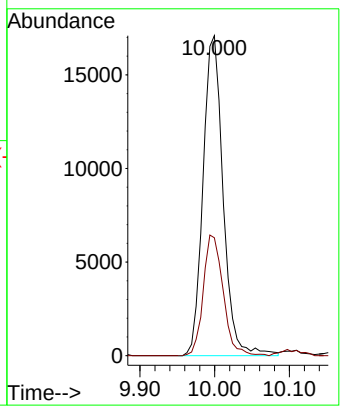




#51
4-Methyl-2-Pentanone
Concen: 22.677 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 3191

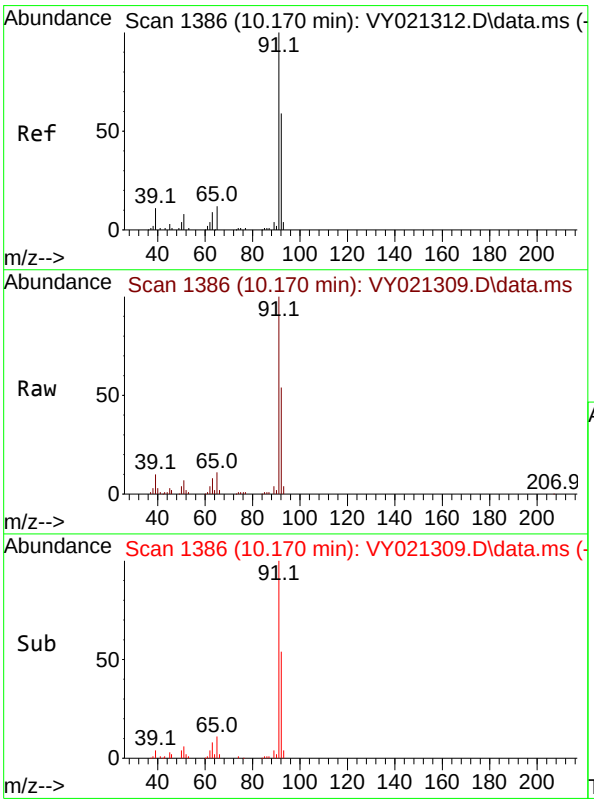
Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

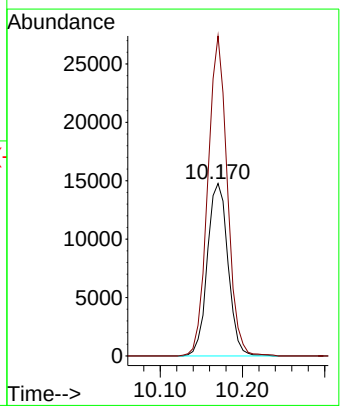
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

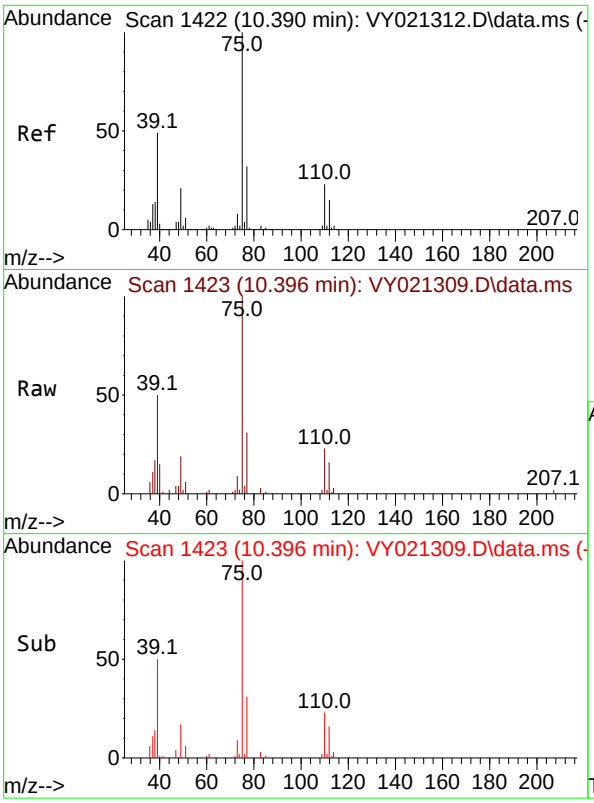


#52
Toluene
Concen: 4.905 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 92 Resp: 25715

Ion	Ratio	Lower	Upper
92	100		
91	175.2	137.8	206.8

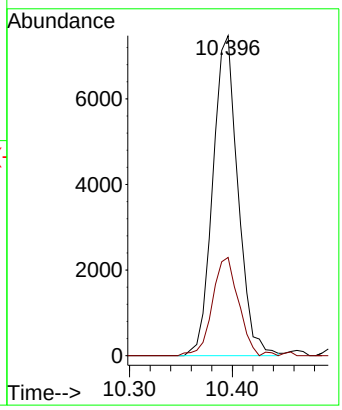




#53
t-1,3-Dichloropropene
Concen: 4.682 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 1269

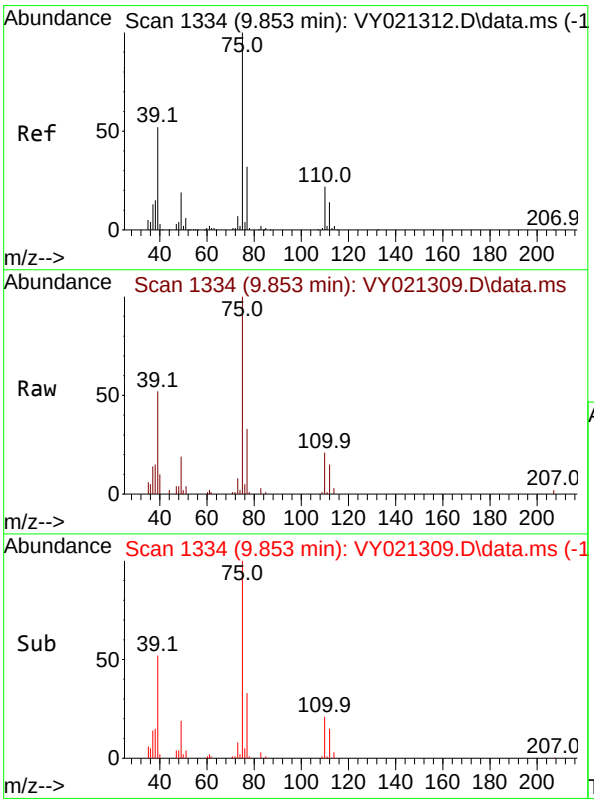
Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

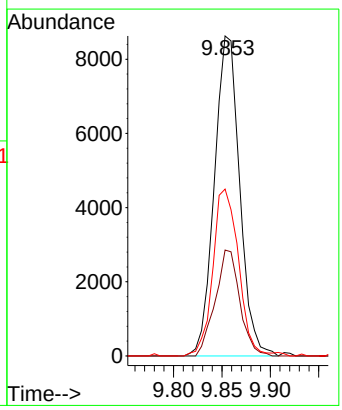
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

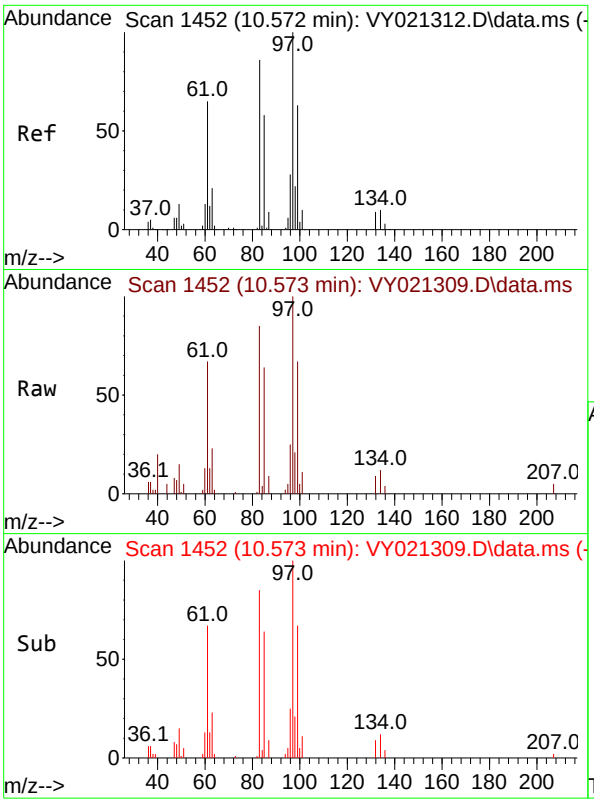


#54
cis-1,3-Dichloropropene
Concen: 4.899 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 15685

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.7	38.5
39	52.2	41.8	62.6

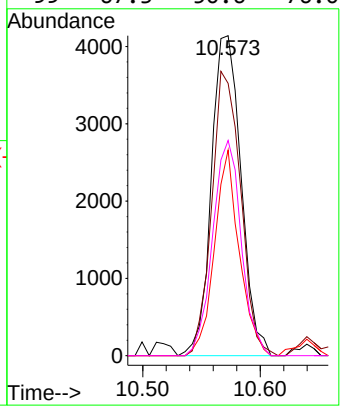




#55
1,1,2-Trichloroethane
Concen: 5.019 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 97 Resp: 725

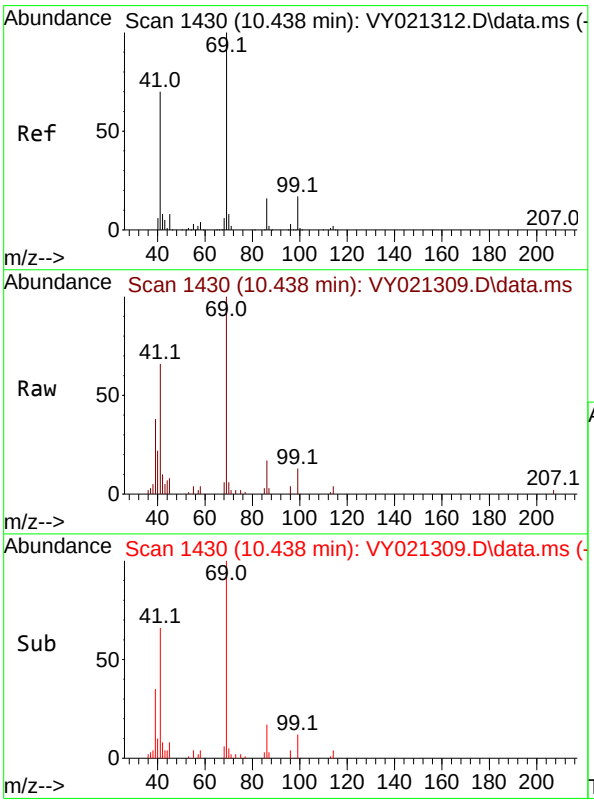
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.7	103.1
85	64.3	46.3	69.5
99	67.3	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

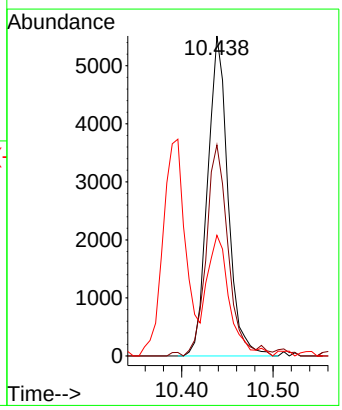
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

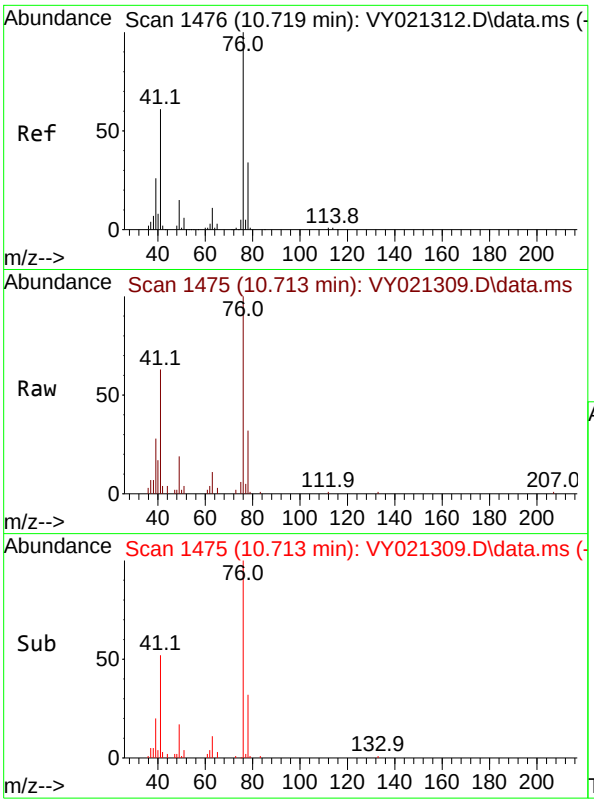


#56
Ethyl methacrylate
Concen: 4.267 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 69 Resp: 8528

Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.2	84.4
39	40.8	32.7	49.1





#57
1,3-Dichloropropane
Concen: 4.880 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

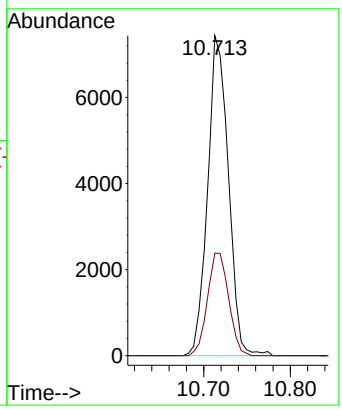
Tgt Ion: 76 Resp: 1238

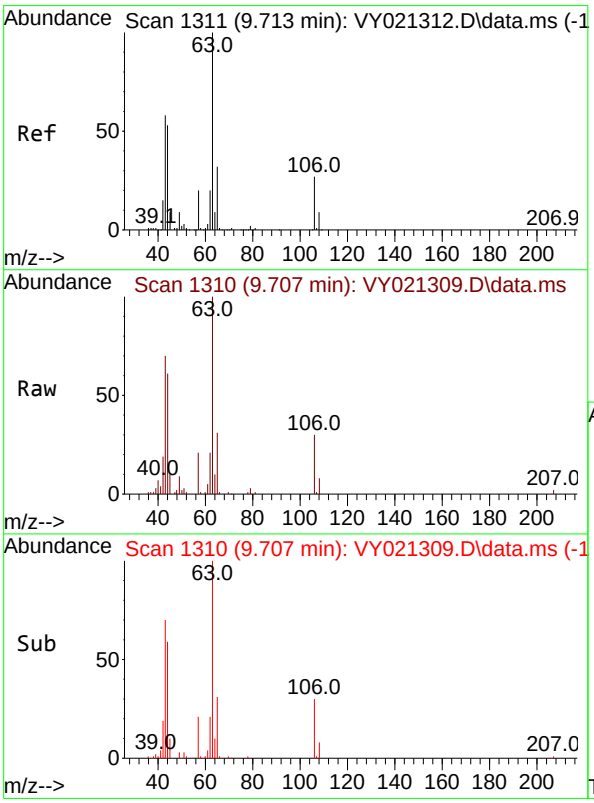
Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

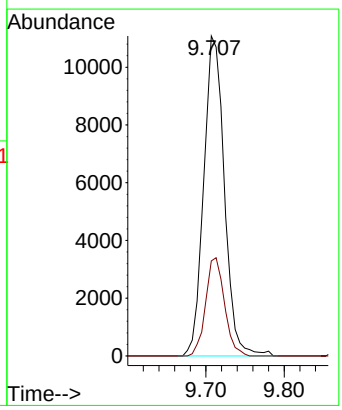


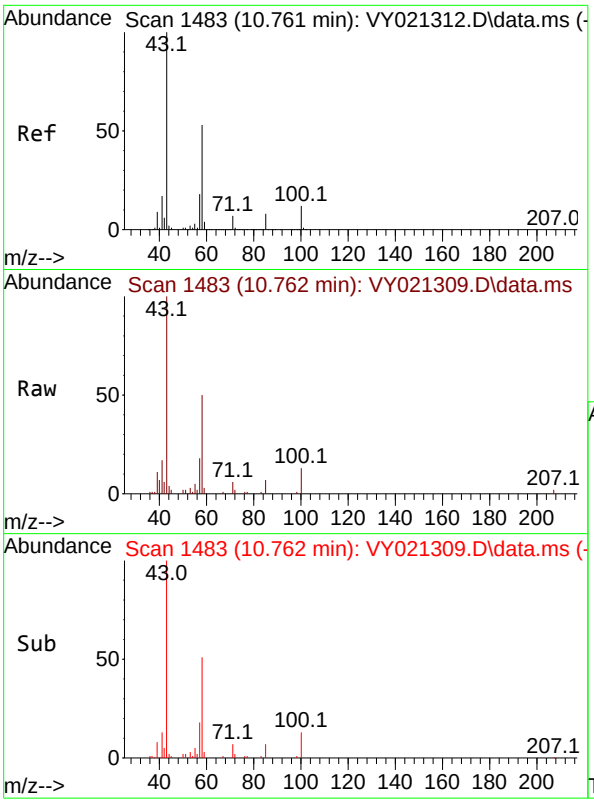


#58
2-Chloroethyl Vinyl ether
Concen: 21.153 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 20290

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.7	32.5





#59
2-Hexanone
Concen: 20.897 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

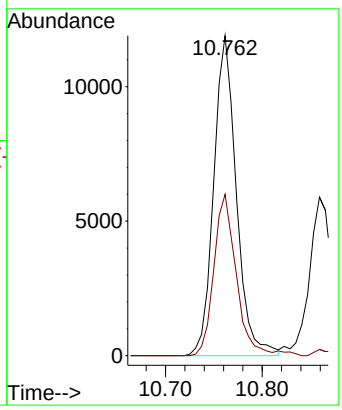
Tgt Ion: 43 Resp: 1931

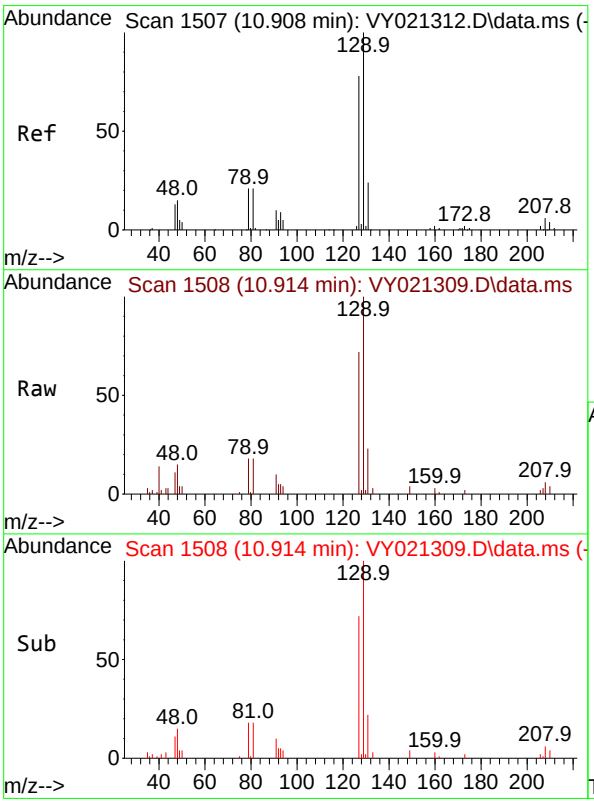
Ion	Ratio	Lower	Upper
43	100		
58	49.3	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

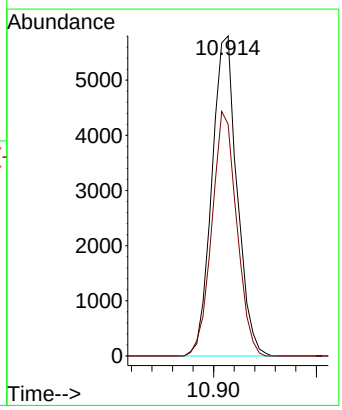


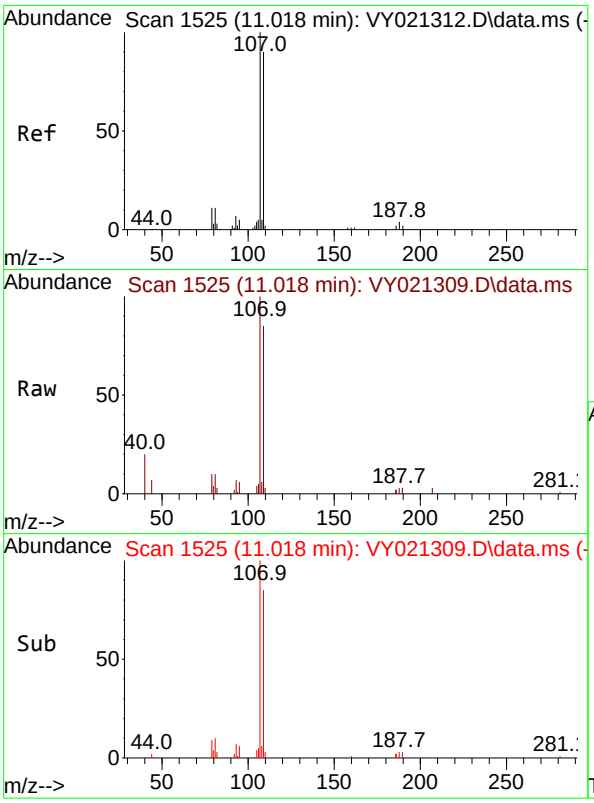


#60
Dibromochloromethane
Concen: 4.998 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:129 Resp: 9844

Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.8	116.4





#61
1,2-Dibromoethane
Concen: 4.960 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

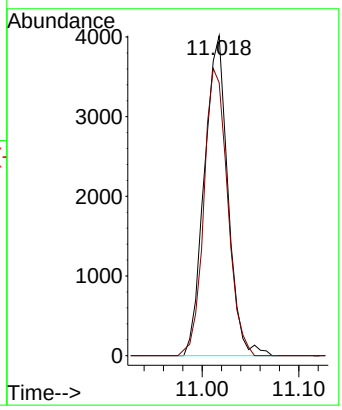
Tgt Ion:107 Resp: 679

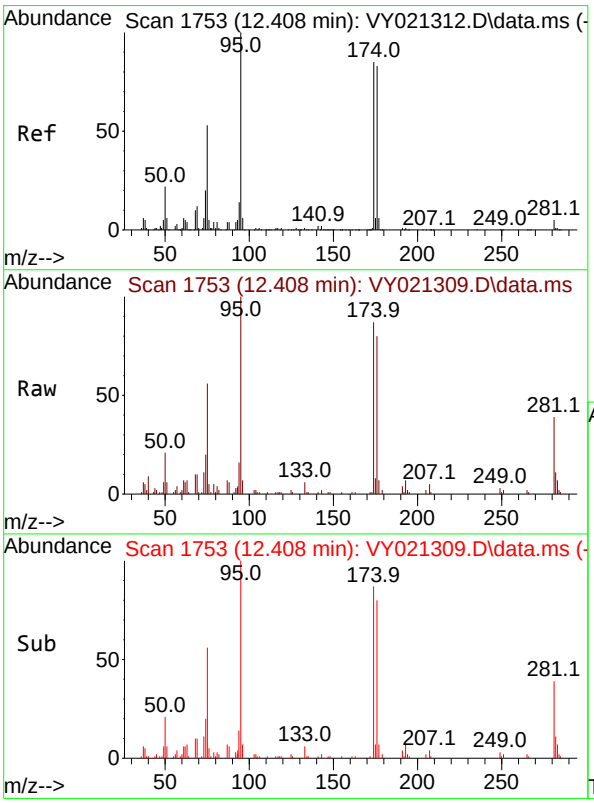
Ion	Ratio	Lower	Upper
107	100		
109	90.5	73.8	110.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

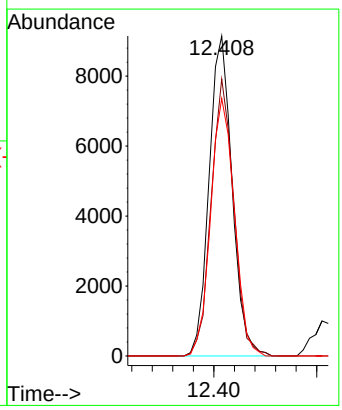


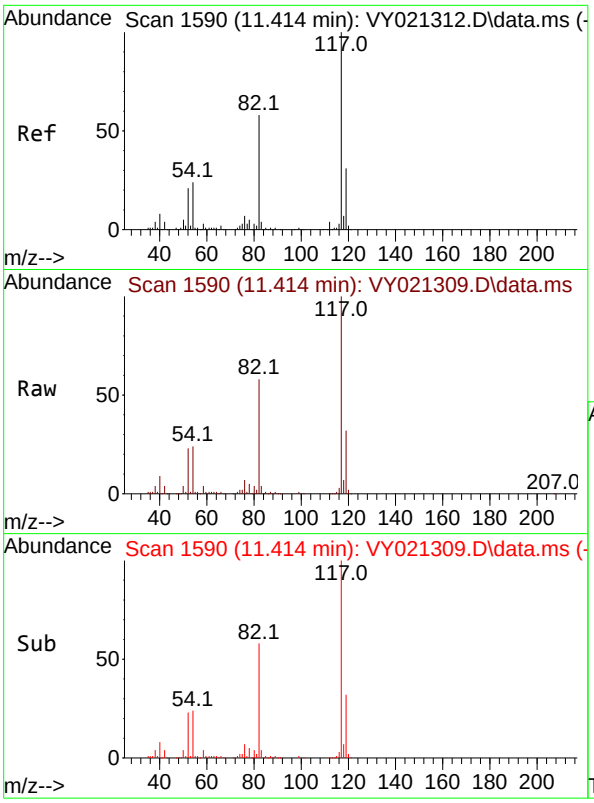


#62
4-Bromofluorobenzene
Concen: 5.741 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 95 Resp: 14192

Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	168.0
176	83.1	0.0	162.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

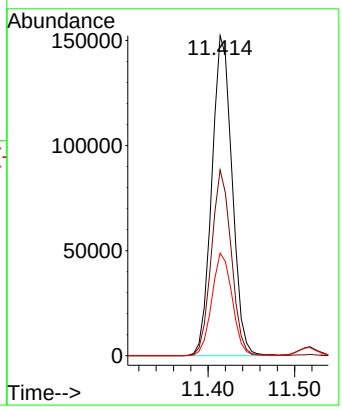
Tgt Ion:117 Resp: 24783

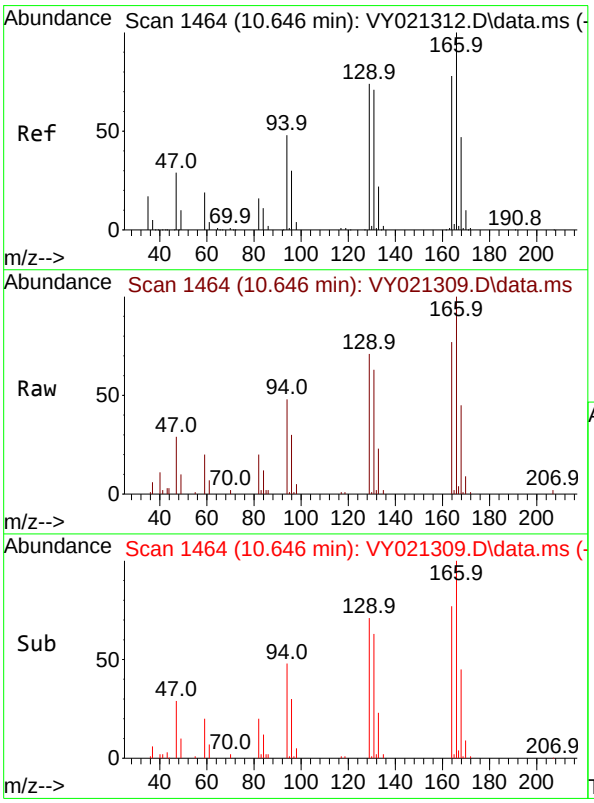
Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.2	69.4
119	32.0	24.9	37.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

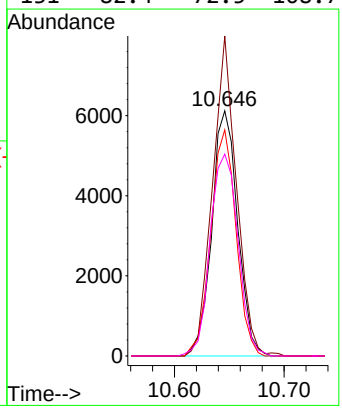


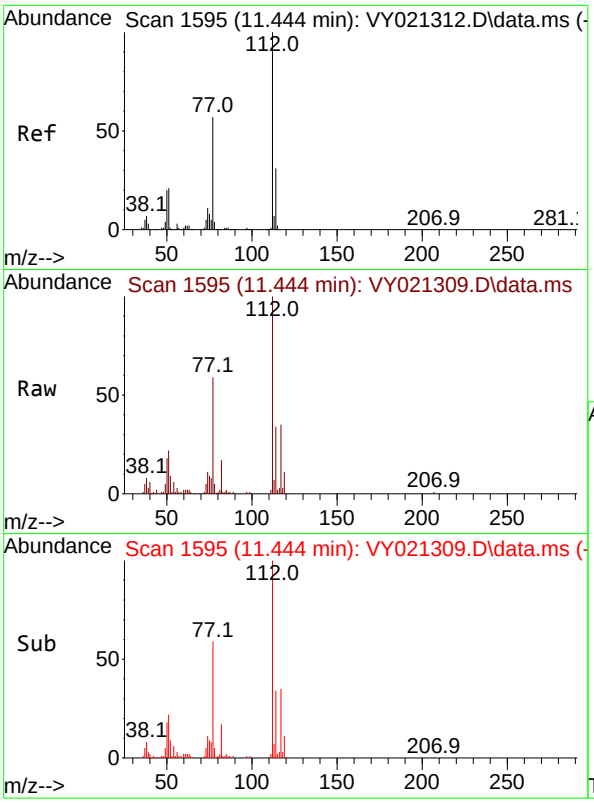


#64
Tetrachloroethene
Concen: 5.361 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:164 Resp: 10042

Ion	Ratio	Lower	Upper
164	100		
166	130.6	101.9	152.9
129	92.3	75.5	113.3
131	82.4	72.5	108.7

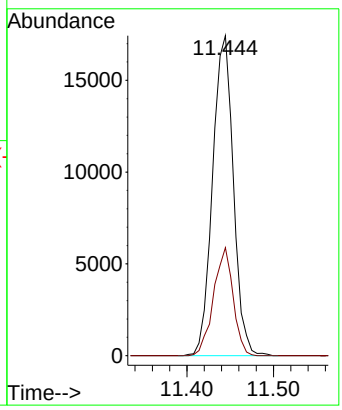




#65
Chlorobenzene
Concen: 5.217 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:112 Resp: 2902

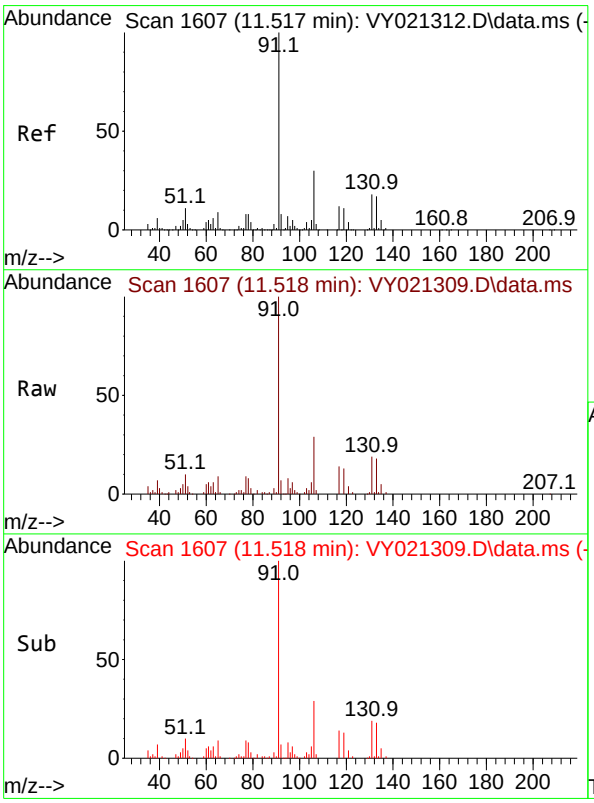
Ion	Ratio	Lower	Upper
112	100		
114	33.8	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

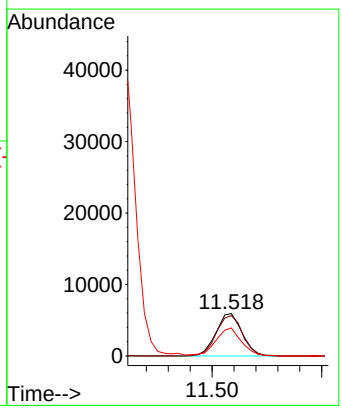
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

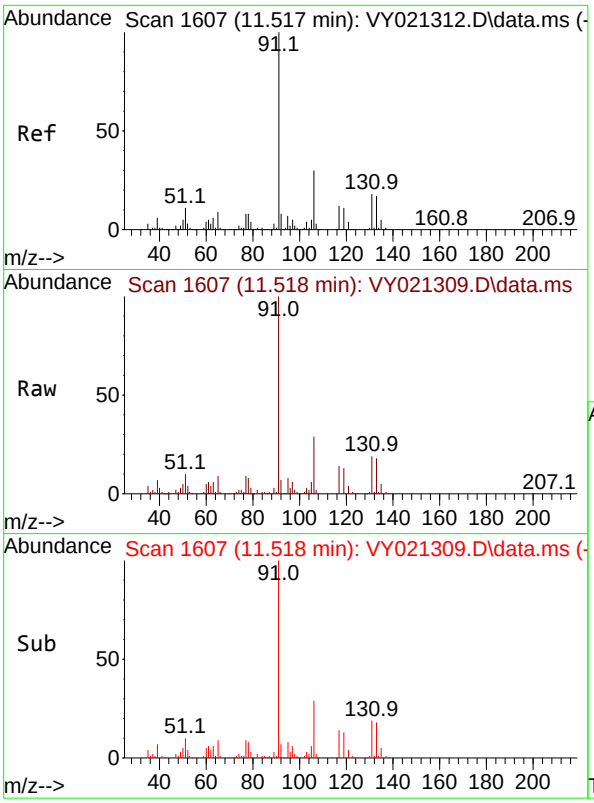


#66
1,1,1,2-Tetrachloroethane
Concen: 5.043 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:131 Resp: 9824

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.9	143.6
119	64.5	31.7	95.1

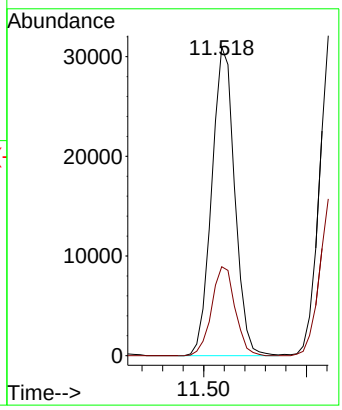




#67
Ethyl Benzene
Concen: 4.874 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 4802

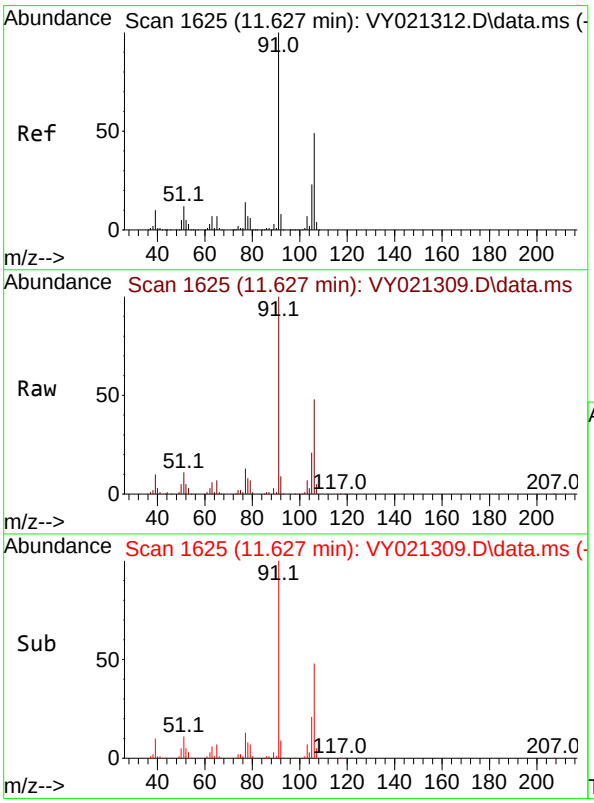
Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

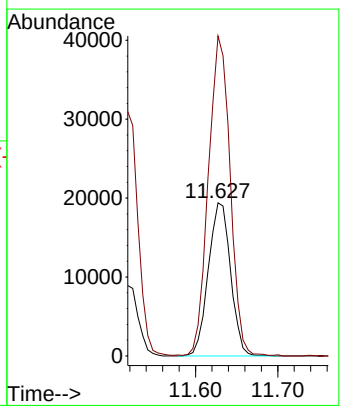
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

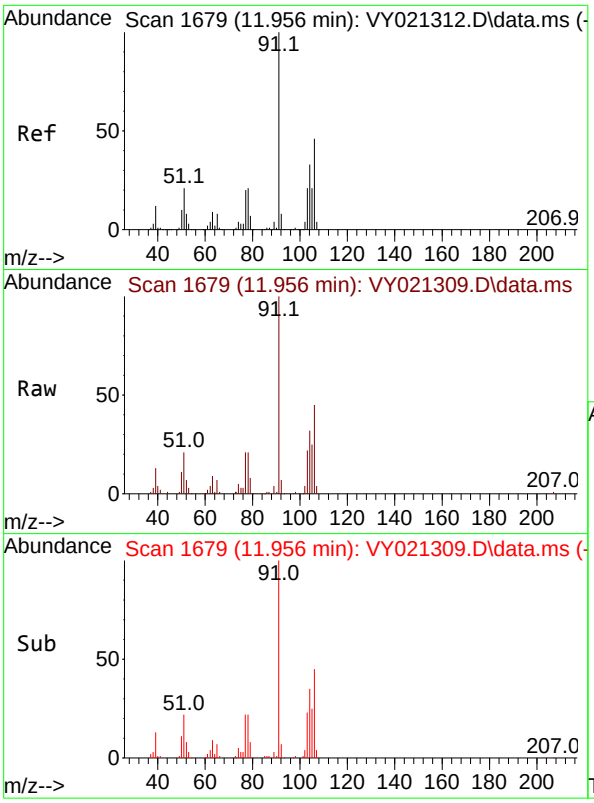


#68
m/p-Xylenes
Concen: 9.833 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:106 Resp: 36446

Ion	Ratio	Lower	Upper
106	100		
91	205.1	163.9	245.9

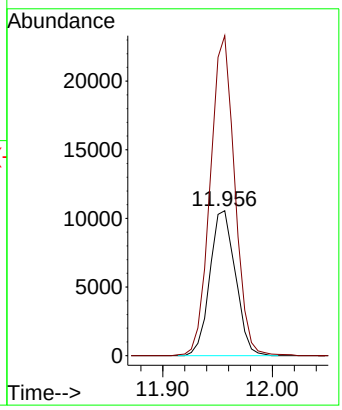




#69
o-Xylene
Concen: 4.920 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:106 Resp: 1708

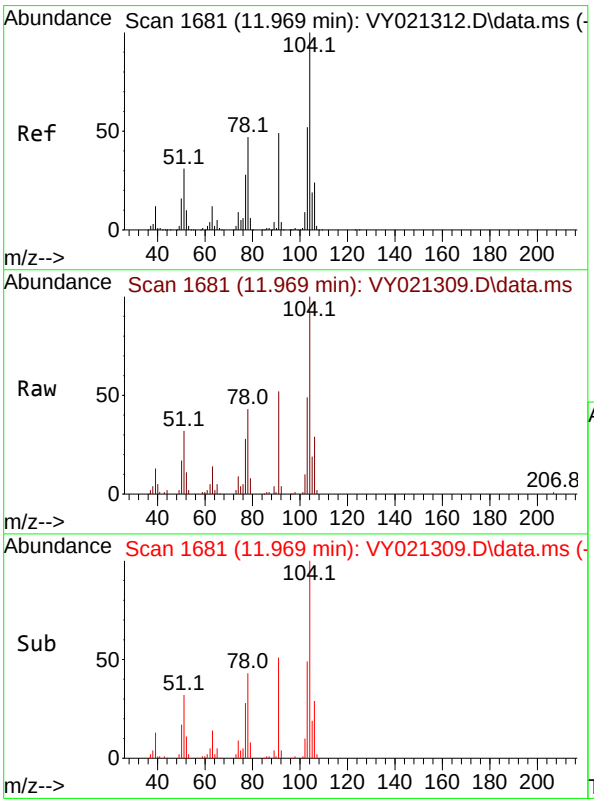
Ion	Ratio	Lower	Upper
106	100		
91	211.7	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

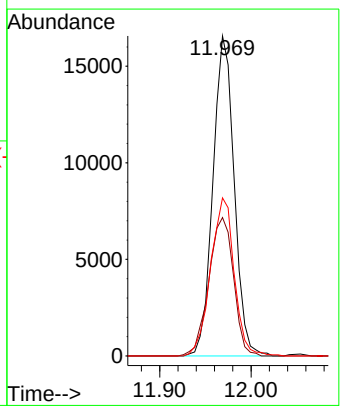
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

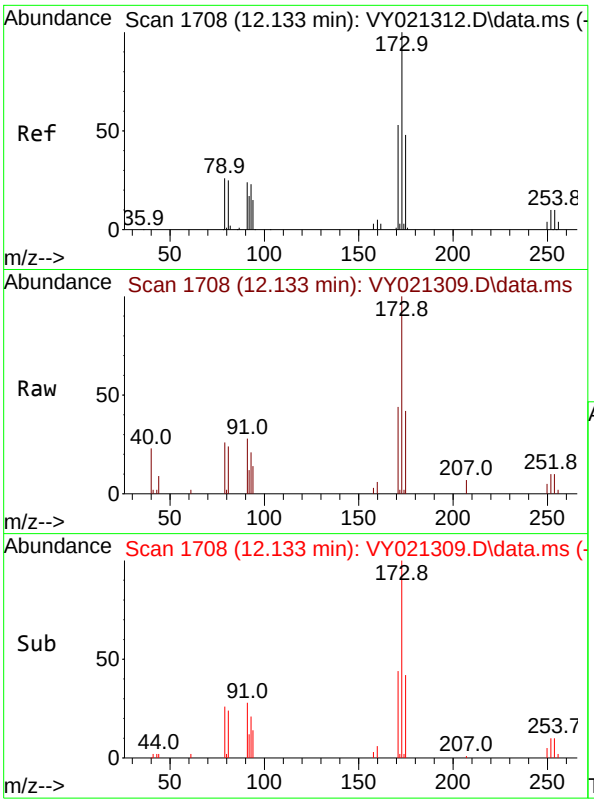


#70
Styrene
Concen: 4.637 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:104 Resp: 26787

Ion	Ratio	Lower	Upper
104	100		
78	50.1	41.3	61.9
103	54.9	43.9	65.9

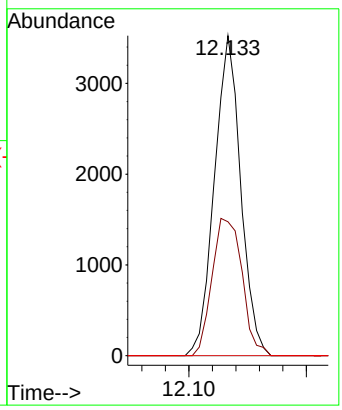




#71
Bromoform
Concen: 4.916 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:173 Resp: 547

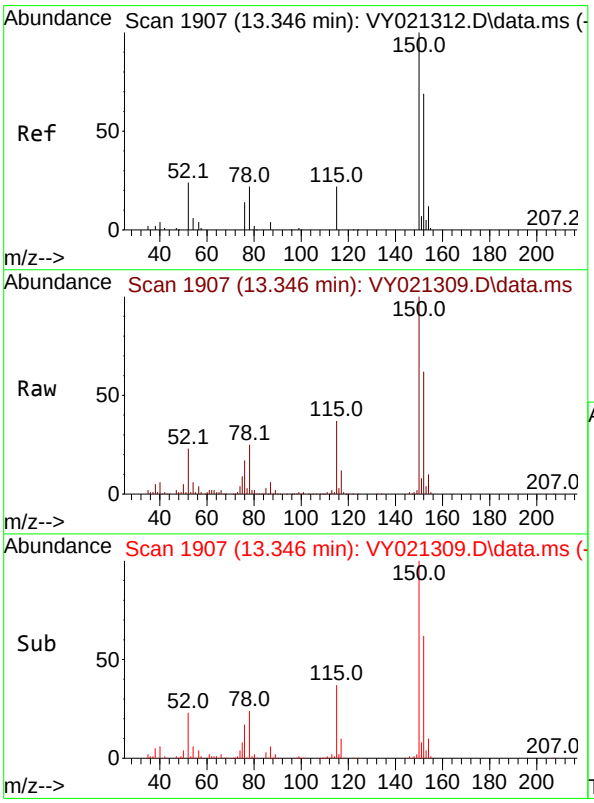
Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

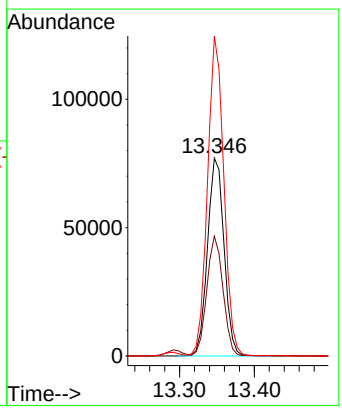
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

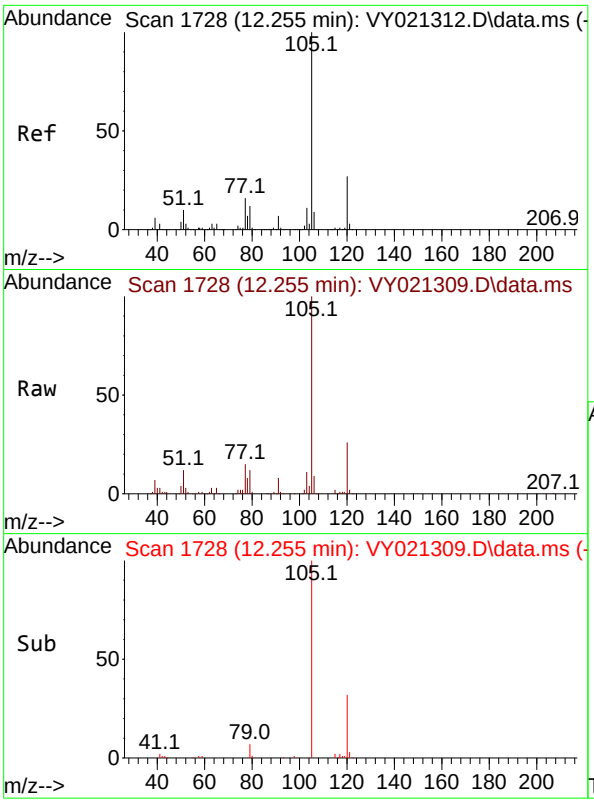


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:152 Resp: 118690

Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.3	88.0
150	158.5	0.0	347.4

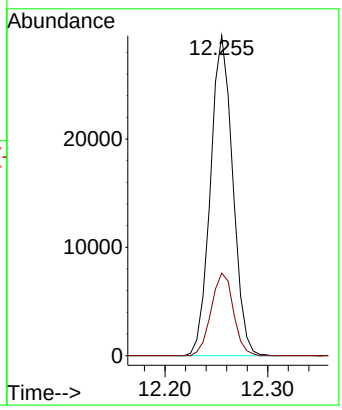




#73
Isopropylbenzene
Concen: 4.980 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 4443

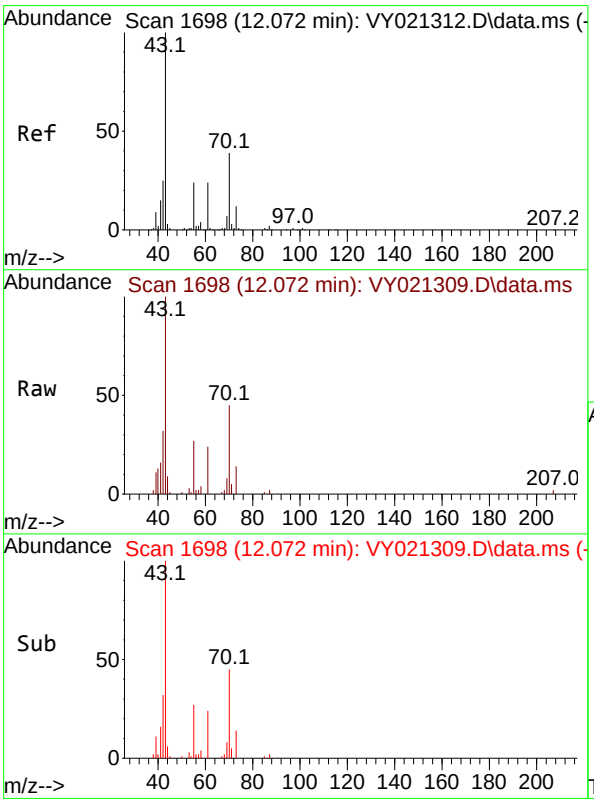
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

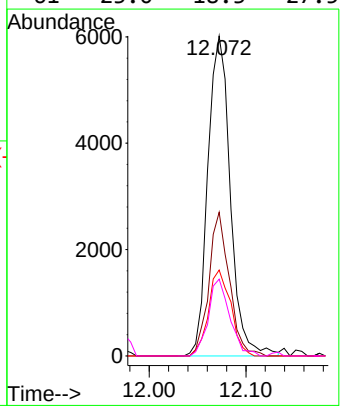
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

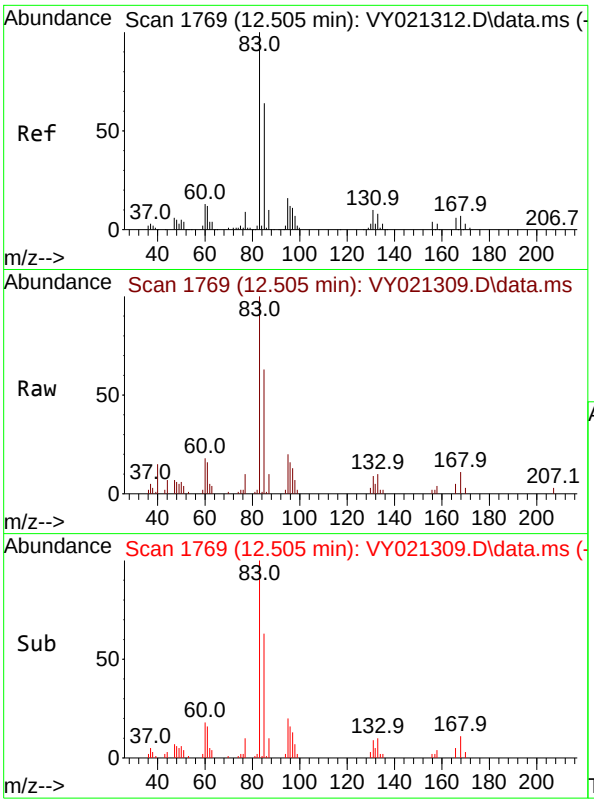


#74
N-amyl acetate
Concen: 4.283 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 9713

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.2	48.2
55	26.7	19.6	29.4
61	23.0	18.3	27.5

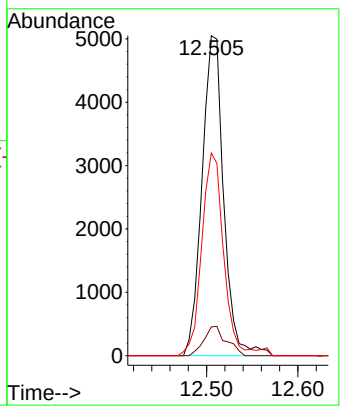




#75
1,1,2,2-Tetrachloroethane
Concen: 5.276 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 830

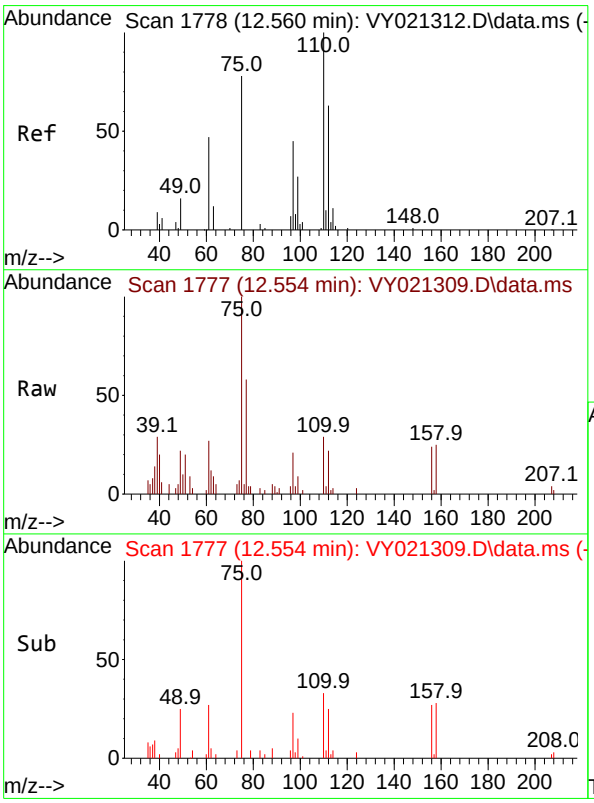
Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.2	15.6
85	63.4	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

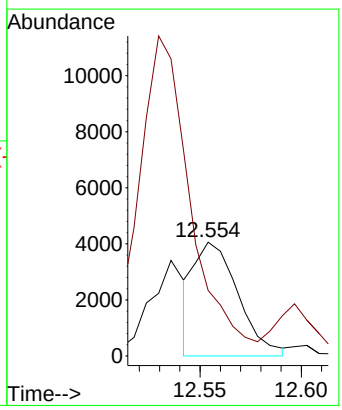
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

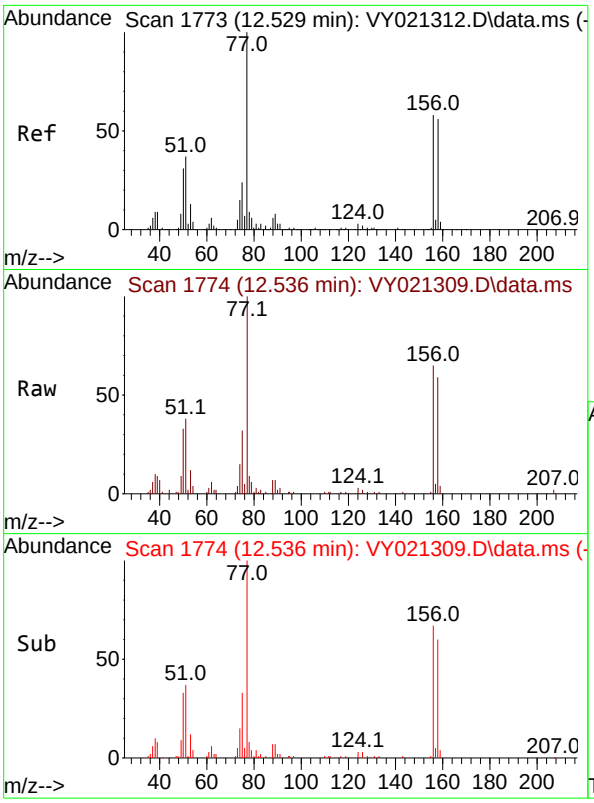


#76
1,2,3-Trichloropropane
Concen: 5.136 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 6139

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

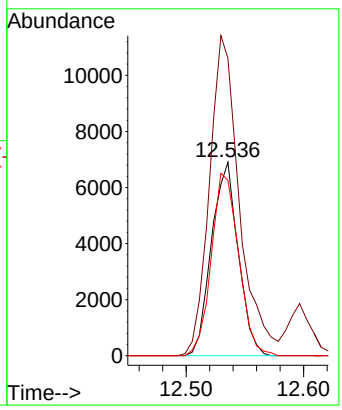




#77
Bromobenzene
Concen: 5.257 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:156 Resp: 1091

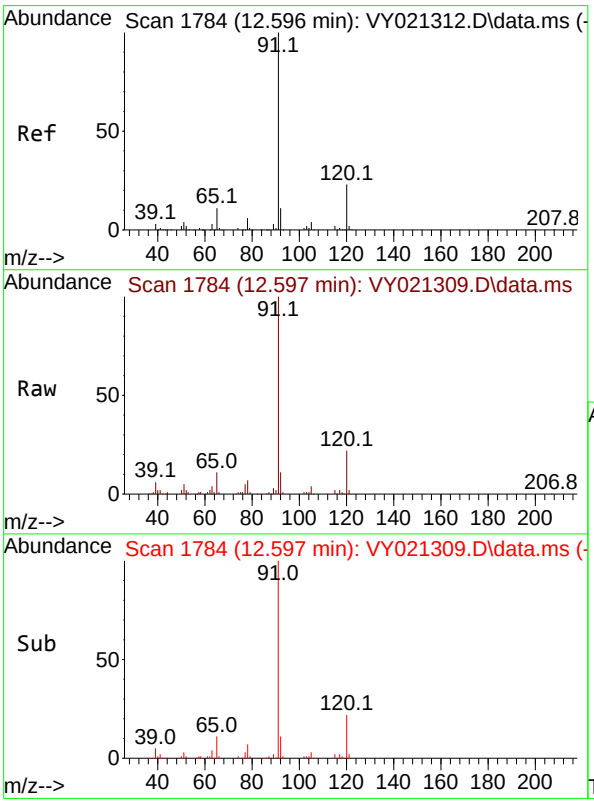
Ion	Ratio	Lower	Upper
156	100		
77	185.6	94.0	282.1
158	96.6	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

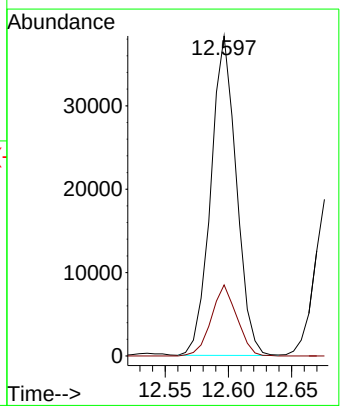
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

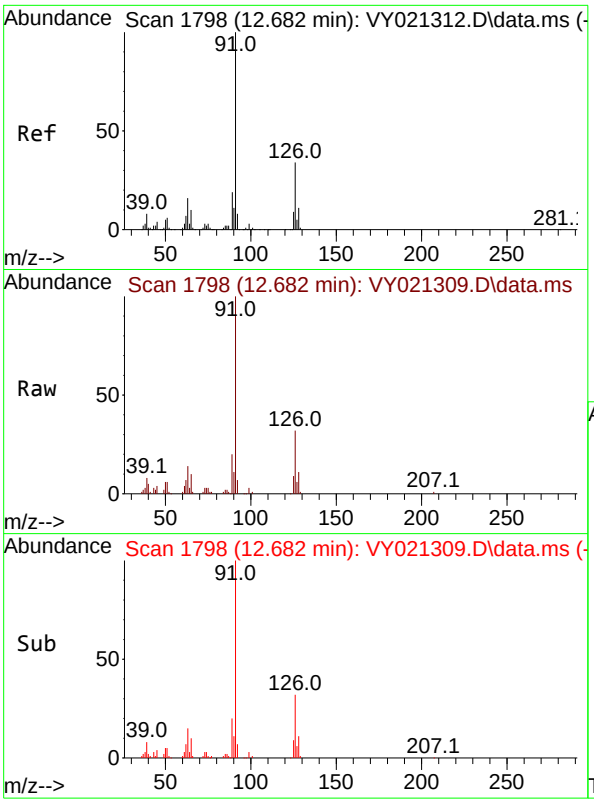


#78
n-propylbenzene
Concen: 4.968 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 53794

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.5

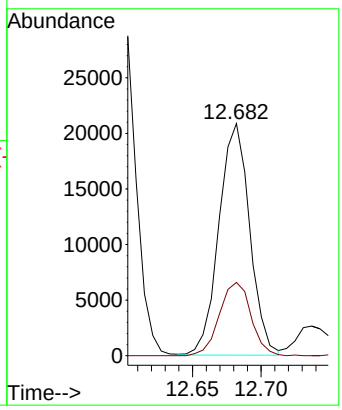




#79
2-Chlorotoluene
Concen: 5.235 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 3252

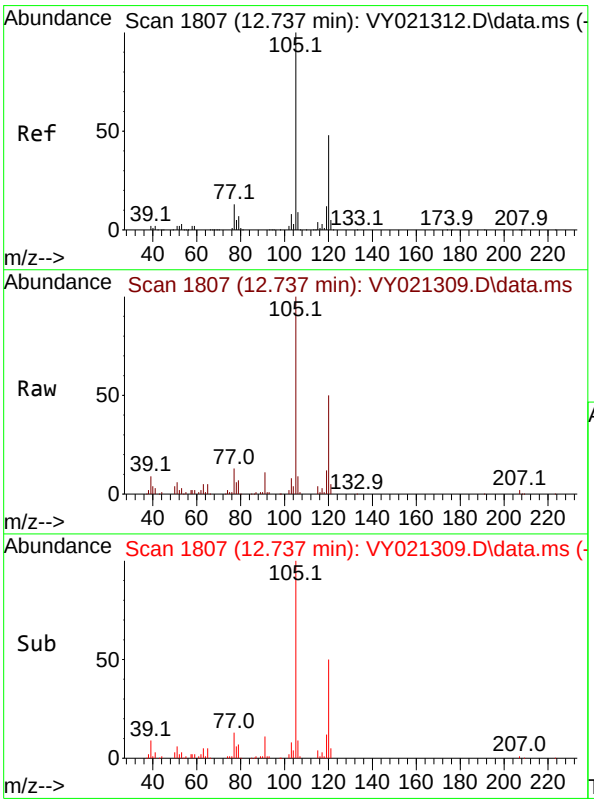
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

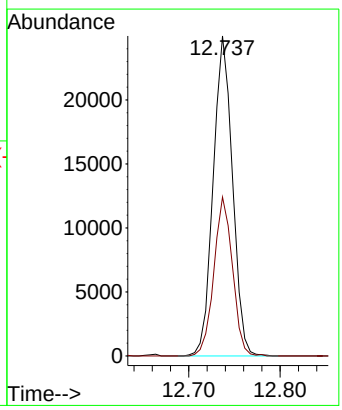
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

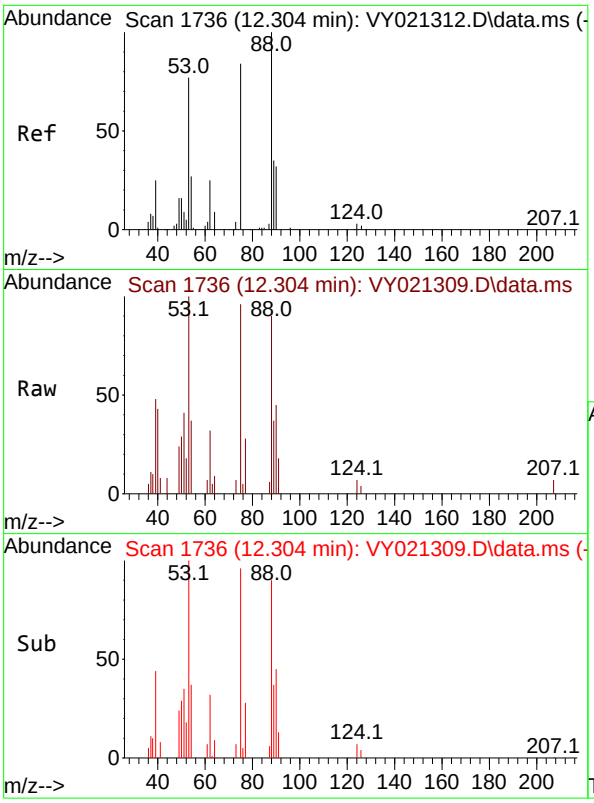


#80
1,3,5-Trimethylbenzene
Concen: 5.014 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 36696

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.3	73.0

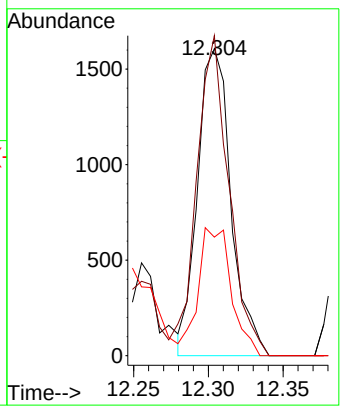




#81
trans-1,4-Dichloro-2-butene
Concen: 4.664 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 249

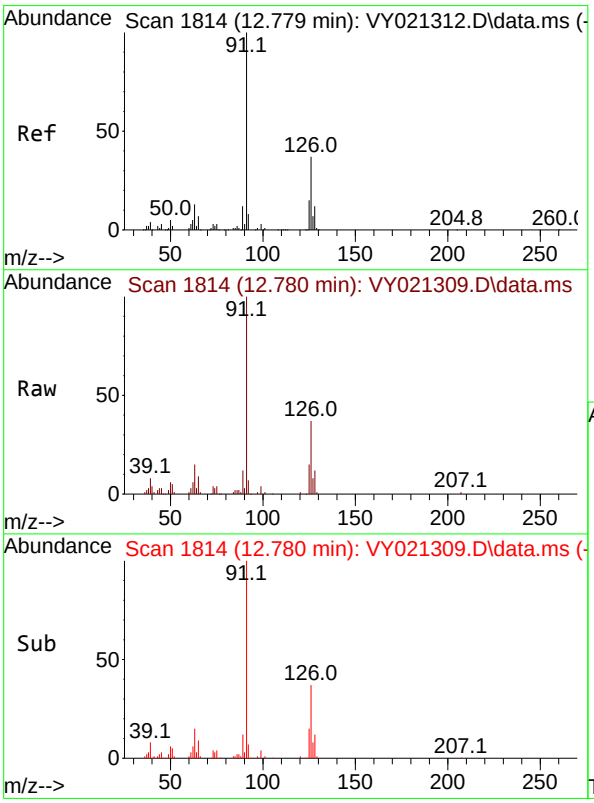
Ion	Ratio	Lower	Upper
75	100		
53	100.8	79.1	118.7
89	41.2	35.6	53.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

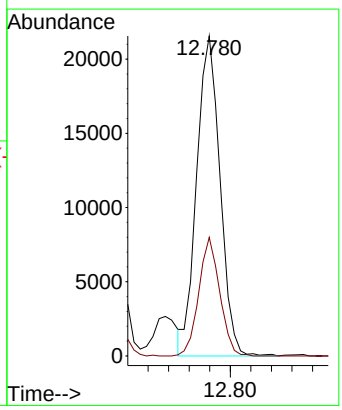
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

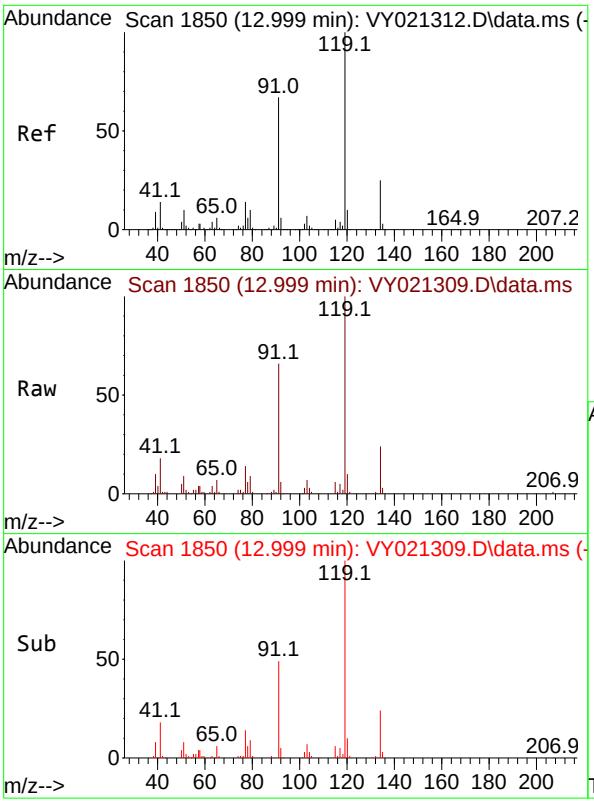


#82
4-Chlorotoluene
Concen: 5.290 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 34079

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.8	50.4

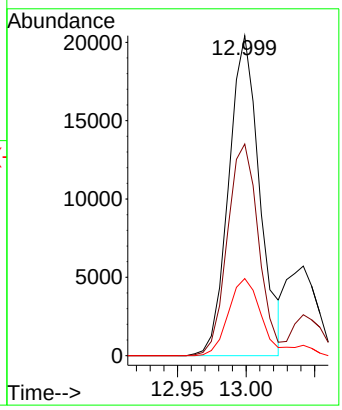




#83
tert-Butylbenzene
Concen: 4.852 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:119 Resp: 3207

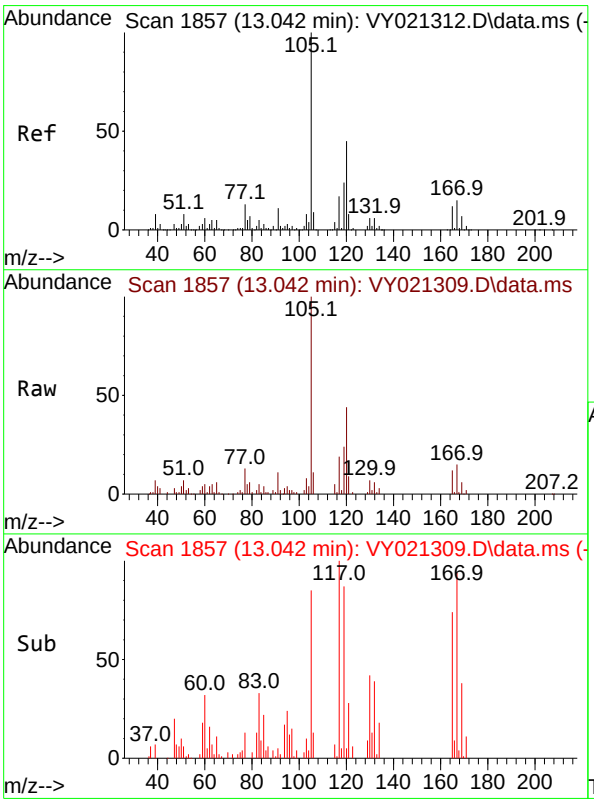
Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.7	98.1
134	26.0	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

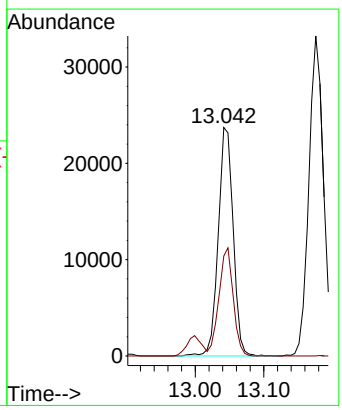
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

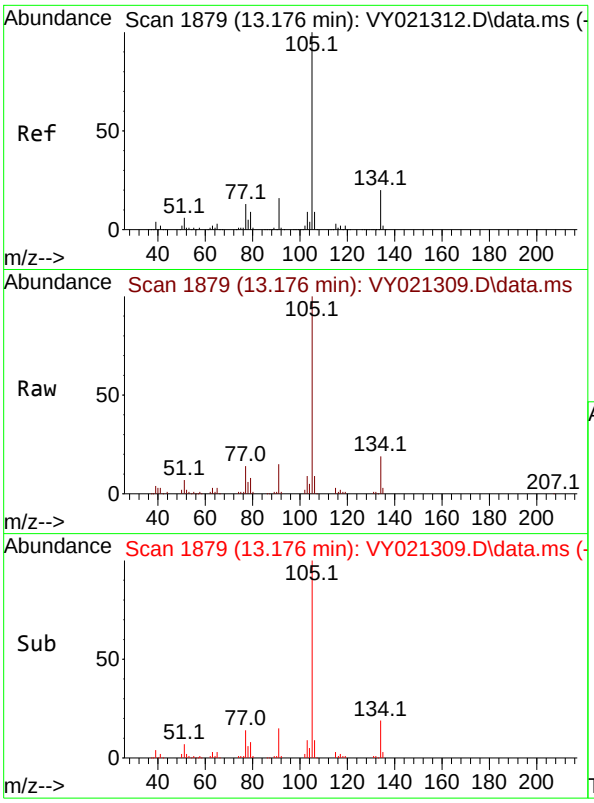


#84
1,2,4-Trimethylbenzene
Concen: 4.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 35772

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3

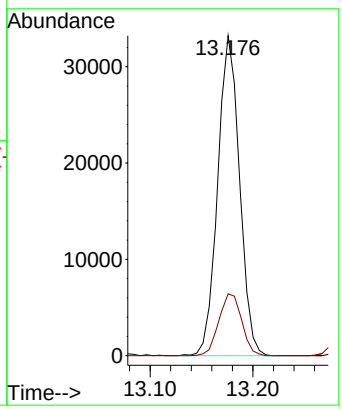




#85
sec-Butylbenzene
Concen: 5.072 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 4897

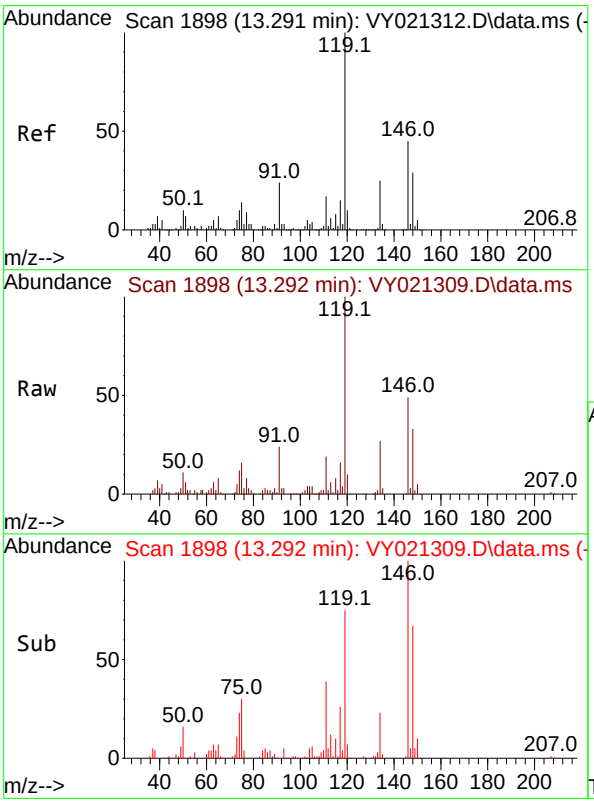
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

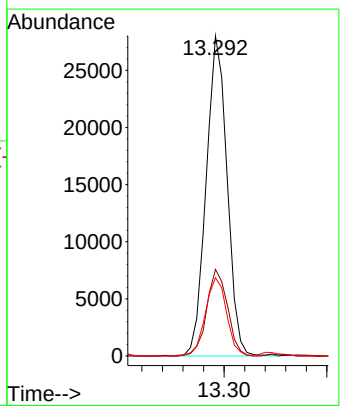
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

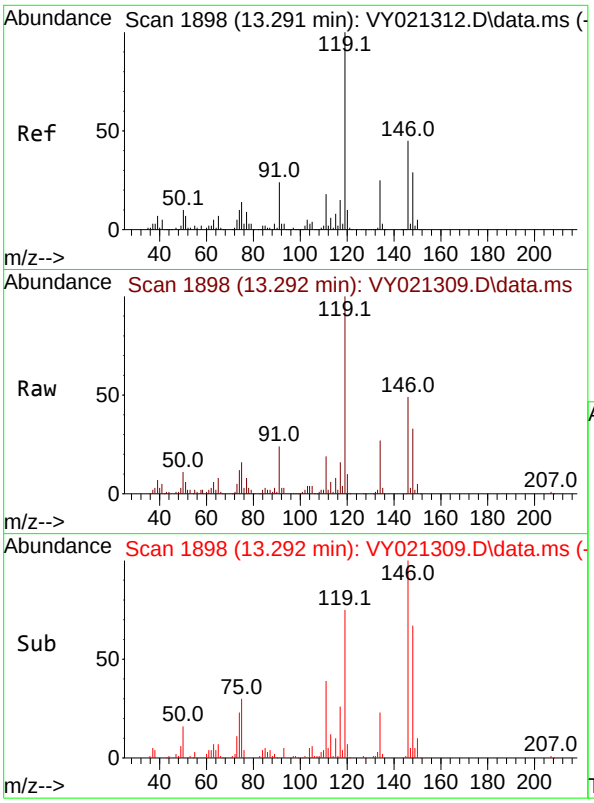


#86
p-Isopropyltoluene
Concen: 4.916 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:119 Resp: 39637

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	38.9
91	24.8	12.0	36.1

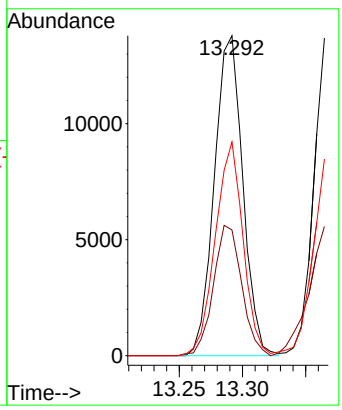




#87
1,3-Dichlorobenzene
Concen: 5.239 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 2151

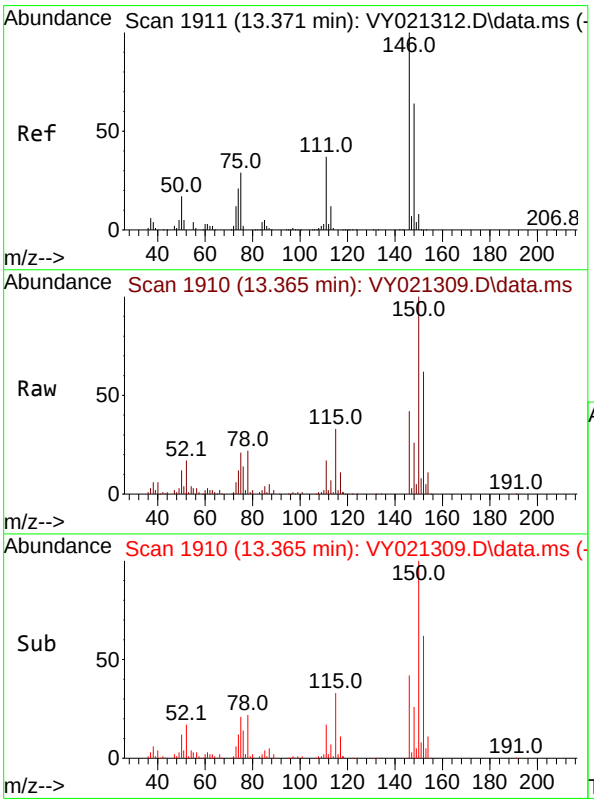
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	65.2	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

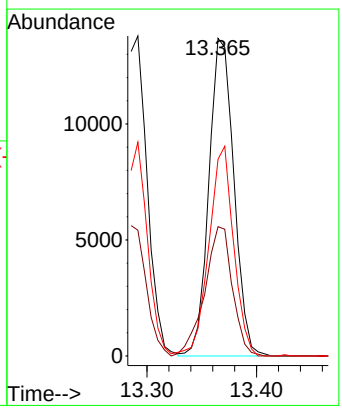
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

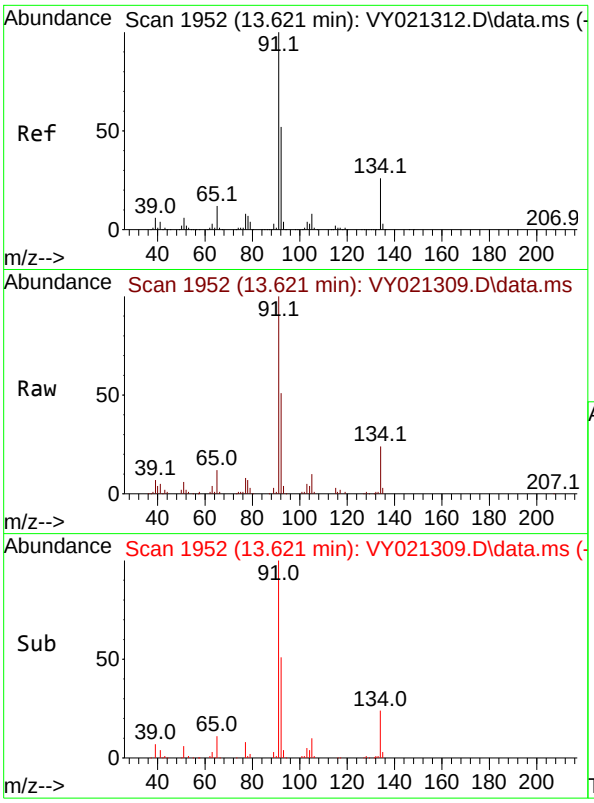


#88
1,4-Dichlorobenzene
Concen: 5.341 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 21663

Ion	Ratio	Lower	Upper
146	100		
111	45.2	19.5	58.5
148	65.3	32.0	96.2

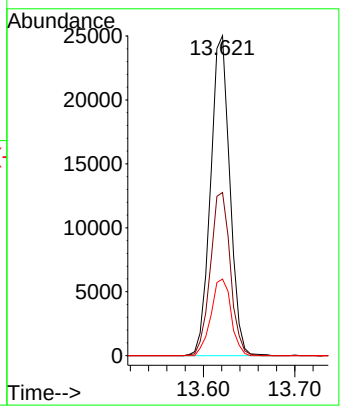




#89
n-Butylbenzene
Concen: 4.815 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 3653

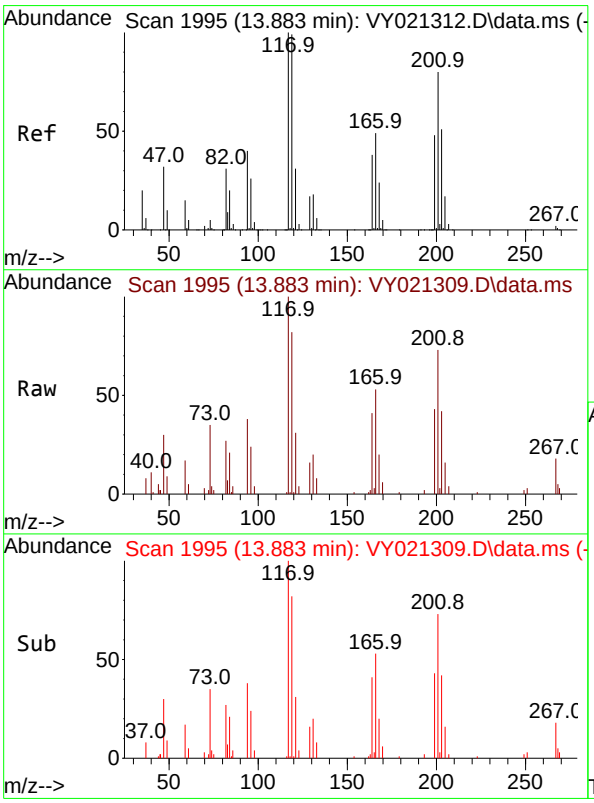
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.0	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

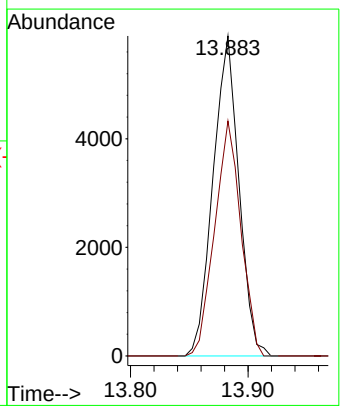
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

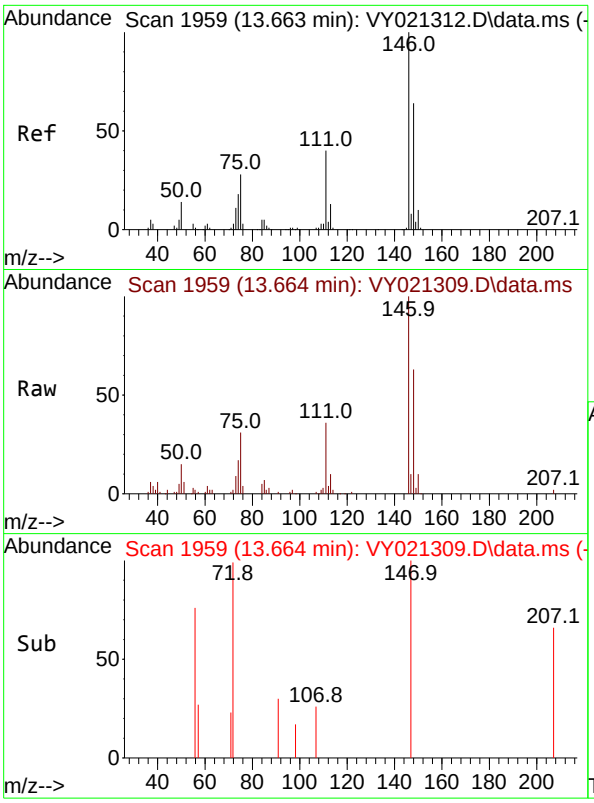


#90
Hexachloroethane
Concen: 5.351 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 9013

Ion	Ratio	Lower	Upper
117	100		
201	74.3	38.4	115.2

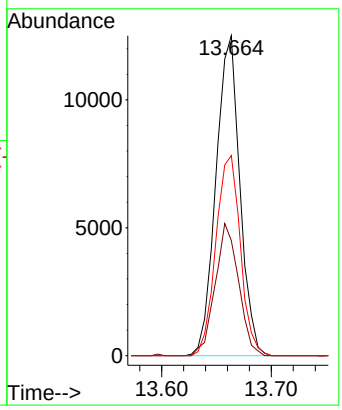




#91
1,2-Dichlorobenzene
Concen: 5.278 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 1898

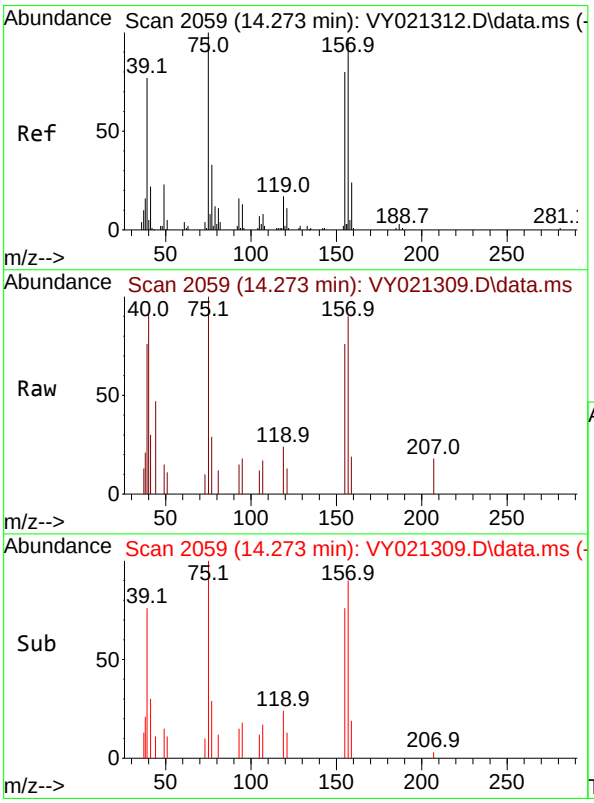
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	64.2	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

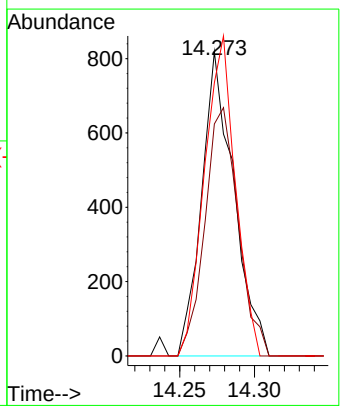
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

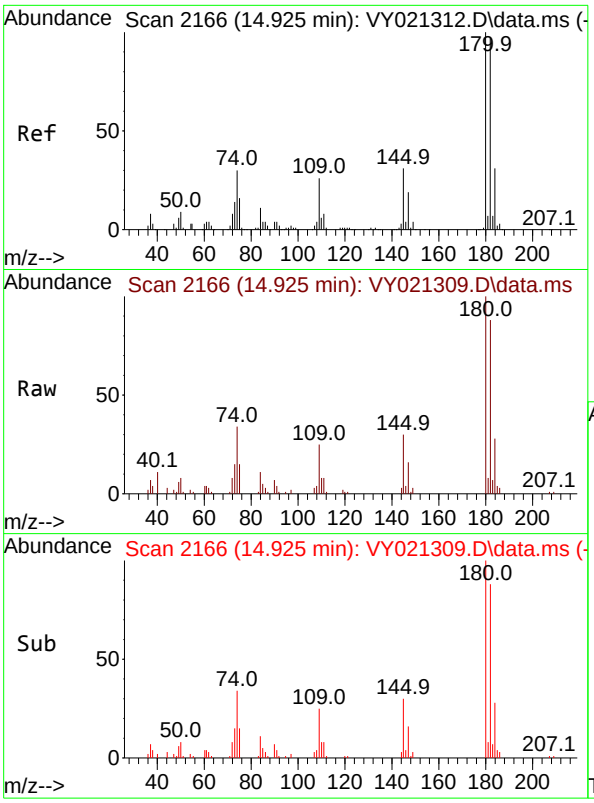


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.925 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 1227

Ion	Ratio	Lower	Upper
75	100		
155	84.4	41.9	125.6
157	100.9	52.5	157.6





#93
1,2,4-Trichlorobenzene
Concen: 4.901 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

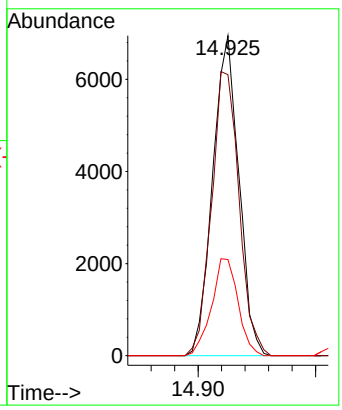
Tgt Ion:180 Resp: 1075

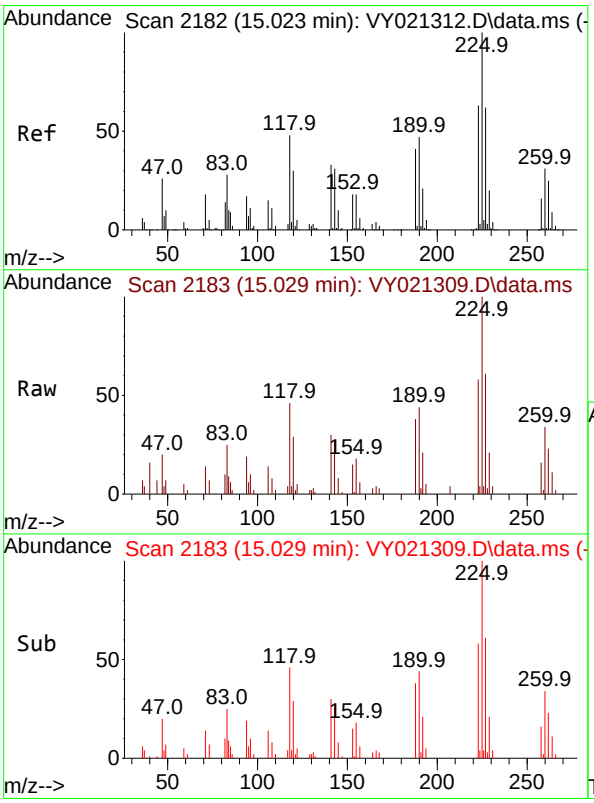
Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.9	143.7
145	30.7	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

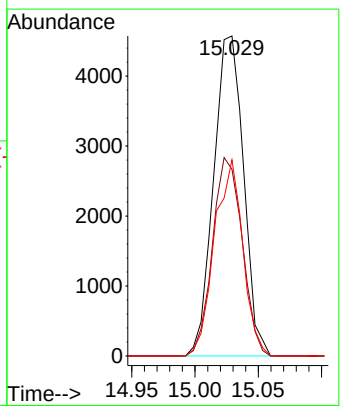


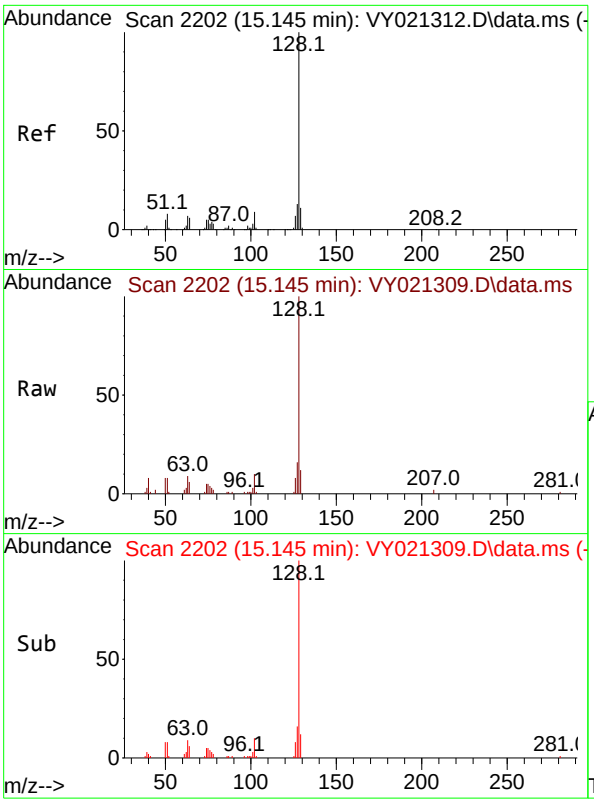


#94
Hexachlorobutadiene
Concen: 5.434 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:225 Resp: 7510

Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.8	95.4
227	58.3	31.9	95.7

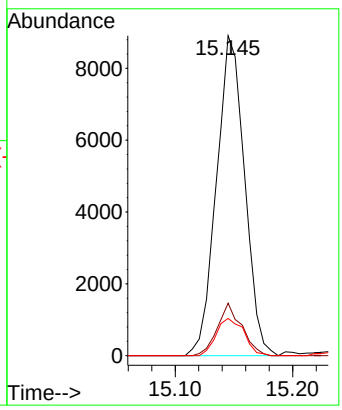




#95
Naphthalene
Concen: 4.078 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:128 Resp: 1482

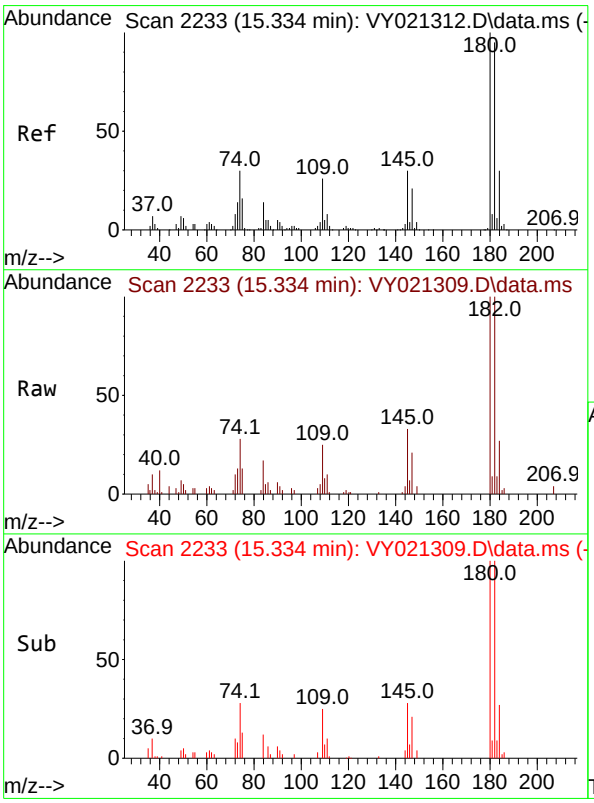
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	11.5	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

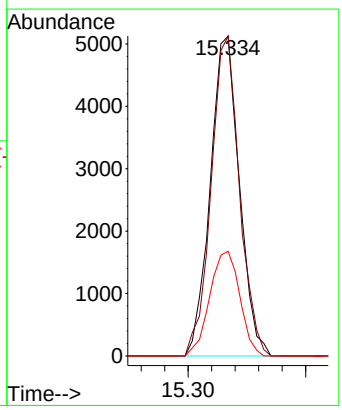
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.746 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:180 Resp: 8804

Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.3	144.9
145	33.8	16.1	48.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	185658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	289178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	250629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	18938	8.992	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	17.980%#		
35) Dibromofluoromethane	7.634	113	17267	9.108	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	18.220%#		
50) Toluene-d8	10.103	98	66979	9.141	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.280%#		
62) 4-Bromofluorobenzene	12.408	95	22364	9.069	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.140%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	17969	10.208	ug/l	99
3) Chloromethane	2.068	50	23321	10.259	ug/l	96
4) Vinyl Chloride	2.202	62	21933	9.830	ug/l	99
5) Bromomethane	2.592	94	15371	10.366	ug/l	92
6) Chloroethane	2.732	64	13561	9.801	ug/l	96
7) Trichlorofluoromethane	3.056	101	33977	10.083	ug/l	96
8) Diethyl Ether	3.452	74	9792	9.682	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	19660	10.077	ug/l	99
10) Methyl Iodide	4.001	142	17573	8.562	ug/l	99
11) Tert butyl alcohol	4.854	59	8754	54.037	ug/l #	81
12) 1,1-Dichloroethene	3.793	96	18141	9.711	ug/l	87
13) Acrolein	3.647	56	10715	86.313	ug/l	97
14) Allyl chloride	4.385	41	31462	9.499	ug/l	98
15) Acrylonitrile	5.061	53	21273	47.572	ug/l	98
16) Acetone	3.866	43	19023	47.086	ug/l	92
17) Carbon Disulfide	4.104	76	61336	9.888	ug/l	100
18) Methyl Acetate	4.379	43	9259	9.378	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	47090	9.541	ug/l	98
20) Methylene Chloride	4.610	84	22192	10.158	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	19921	9.687	ug/l	94
22) Diisopropyl ether	6.012	45	66598	9.717	ug/l	93
23) Vinyl Acetate	5.957	43	193291	47.195	ug/l	99
24) 1,1-Dichloroethane	5.909	63	38311	9.918	ug/l	98
25) 2-Butanone	6.896	43	28711	47.087	ug/l	99
26) 2,2-Dichloropropane	6.884	77	34859	9.945	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	22663	9.651	ug/l	99
28) Bromochloromethane	7.244	49	16417	9.605	ug/l	100
29) Tetrahydrofuran	7.262	42	18625	46.731	ug/l	99
30) Chloroform	7.415	83	38838	9.922	ug/l	97
31) Cyclohexane	7.701	56	38072	10.253	ug/l #	88
32) 1,1,1-Trichloroethane	7.616	97	35489	9.961	ug/l	99
36) 1,1-Dichloropropene	7.829	75	28171	9.892	ug/l	99
37) Ethyl Acetate	6.982	43	14219	10.038	ug/l	98
38) Carbon Tetrachloride	7.811	117	32494	10.149	ug/l	96
39) Methylcyclohexane	9.103	83	35431	9.837	ug/l	95
40) Benzene	8.079	78	83594	9.930	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	6845	8.642	ug/l		92
42) 1,2-Dichloroethane	8.158	62	24091	10.087	ug/l		99
43) Isopropyl Acetate	8.195	43	25874	9.436	ug/l		99
44) Trichloroethene	8.859	130	20823	9.880	ug/l		97
45) 1,2-Dichloropropane	9.140	63	20214	9.978	ug/l		98
46) Dibromomethane	9.231	93	10902	9.845	ug/l		99
47) Bromodichloromethane	9.420	83	29114	9.860	ug/l		97
48) Methyl methacrylate	9.219	41	11652	9.088	ug/l		96
49) 1,4-Dioxane	9.225	88	2309	187.520	ug/l		96
51) 4-Methyl-2-Pentanone	9.993	43	65698	46.808	ug/l		99
52) Toluene	10.170	92	51371	9.823	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	25218	9.322	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	30428	9.528	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	14509	10.057	ug/l		96
56) Ethyl methacrylate	10.438	69	17817	8.938	ug/l		96
57) 1,3-Dichloropropane	10.713	76	24769	9.784	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	42304	44.215	ug/l		100
59) 2-Hexanone	10.755	43	42123	45.697	ug/l		99
60) Dibromochloromethane	10.908	129	18793	9.565	ug/l		96
61) 1,2-Dibromoethane	11.011	107	13351	9.775	ug/l		98
64) Tetrachloroethene	10.646	164	19065	10.064	ug/l		97
65) Chlorobenzene	11.438	112	55689	9.899	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	20089	10.198	ug/l		98
67) Ethyl Benzene	11.517	91	97299	9.764	ug/l		99
68) m/p-Xylenes	11.627	106	73991	19.740	ug/l		99
69) o-Xylene	11.950	106	33822	9.632	ug/l		99
70) Styrene	11.969	104	56550	9.679	ug/l		99
71) Bromoform	12.133	173	11067	9.820	ug/l	#	100
73) Isopropylbenzene	12.255	105	90221	9.590	ug/l		100
74) N-amyl acetate	12.066	43	21370	8.937	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	16246	9.785	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	13699m	10.871	ug/l		
77) Bromobenzene	12.529	156	21097	9.641	ug/l		99
78) n-propylbenzene	12.597	91	110190	9.652	ug/l		99
79) 2-Chlorotoluene	12.682	91	64018	9.771	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	74498	9.655	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	5238	9.295	ug/l		96
82) 4-Chlorotoluene	12.773	91	66701	9.821	ug/l		100
83) tert-Butylbenzene	12.999	119	68905	9.886	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	74032	9.647	ug/l		99
85) sec-Butylbenzene	13.176	105	100189	9.841	ug/l		99
86) p-Isopropyltoluene	13.292	119	81769	9.619	ug/l		98
87) 1,3-Dichlorobenzene	13.285	146	43267	9.996	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	42788	10.006	ug/l		98
89) n-Butylbenzene	13.615	91	76325	9.541	ug/l		99
90) Hexachloroethane	13.877	117	17261	9.721	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	37522	9.894	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2424	9.229	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	21234	9.174	ug/l		97
94) Hexachlorobutadiene	15.023	225	14346	9.845	ug/l		99
95) Naphthalene	15.145	128	32094	8.371	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	17983	9.195	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

ICAL Form

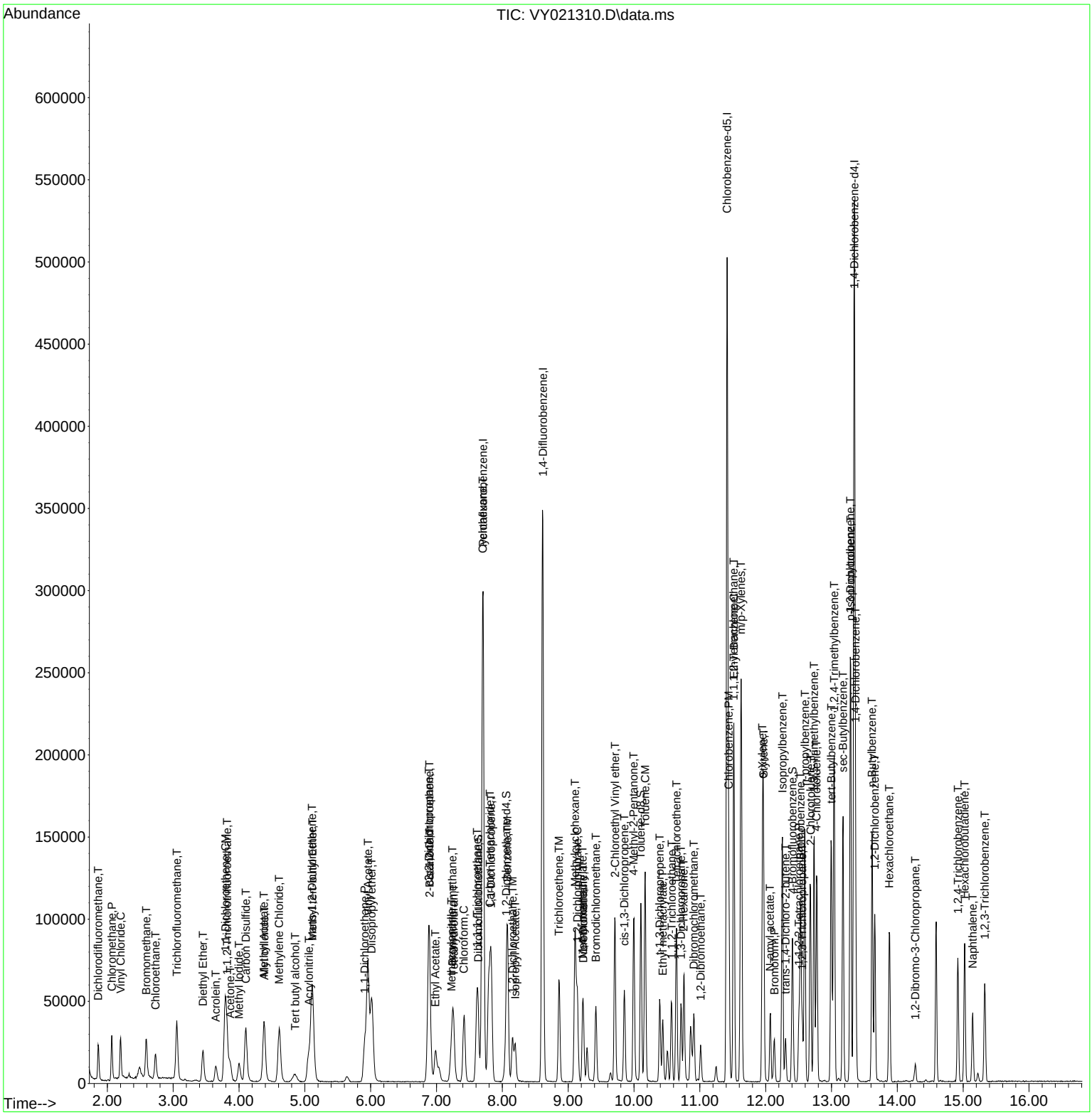
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

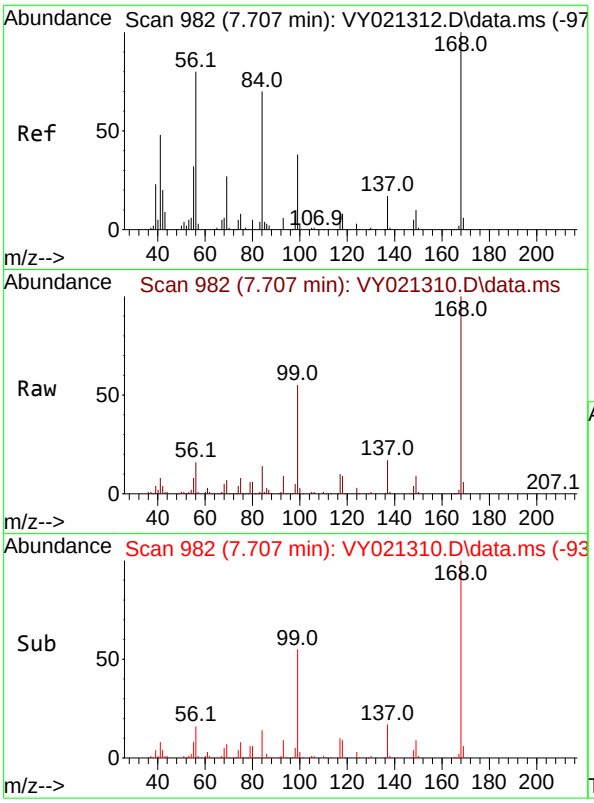
Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

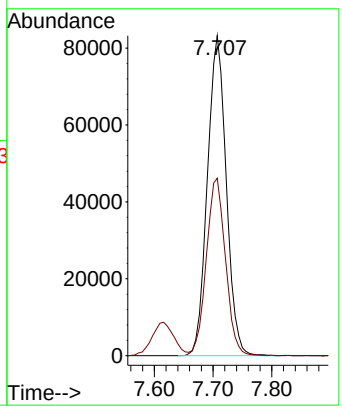




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:168 Resp: 18565

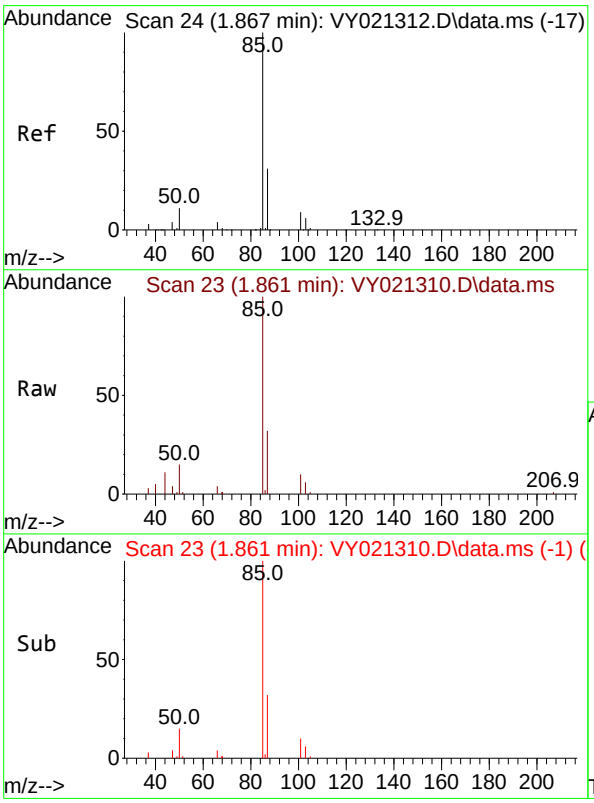
Ion	Ratio	Lower	Upper
168	100		
99	55.4	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

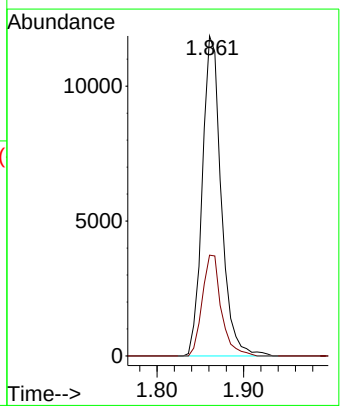
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

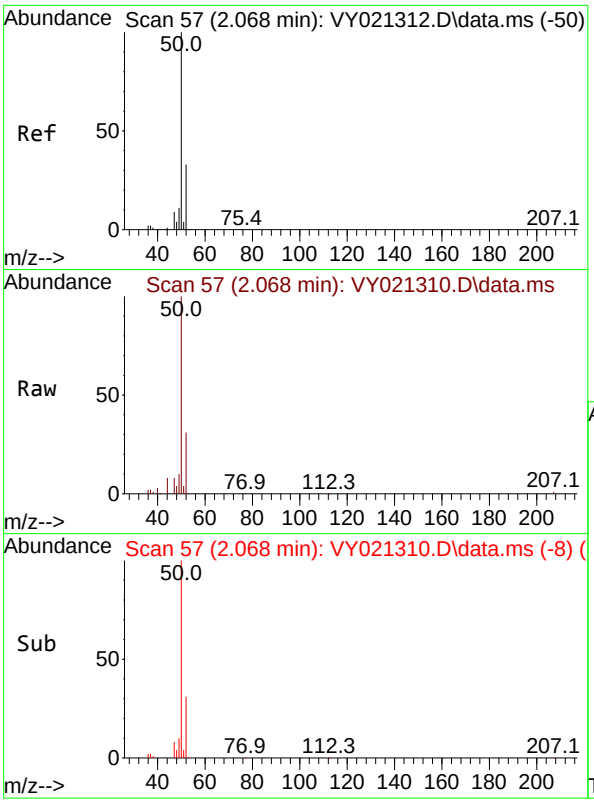


#2
Dichlorodifluoromethane
Concen: 10.208 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 85 Resp: 17969

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.4	46.4

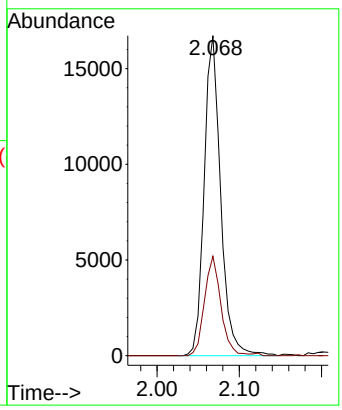




#3
Chloromethane
Concen: 10.259 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 50 Resp: 2332

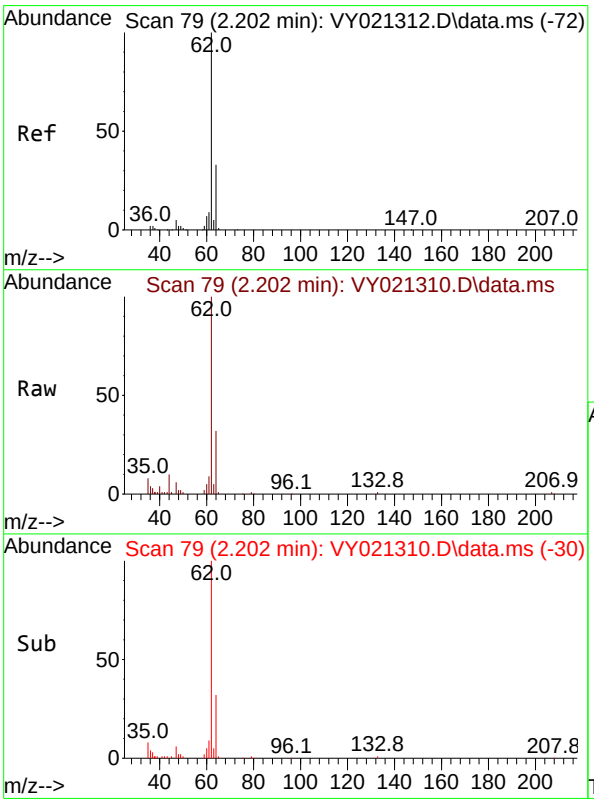
Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

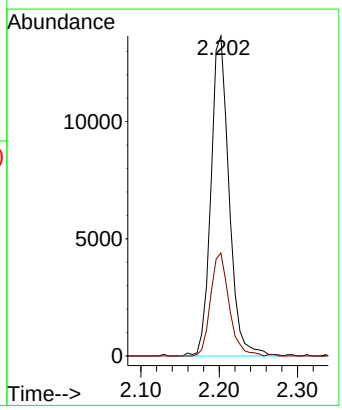
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

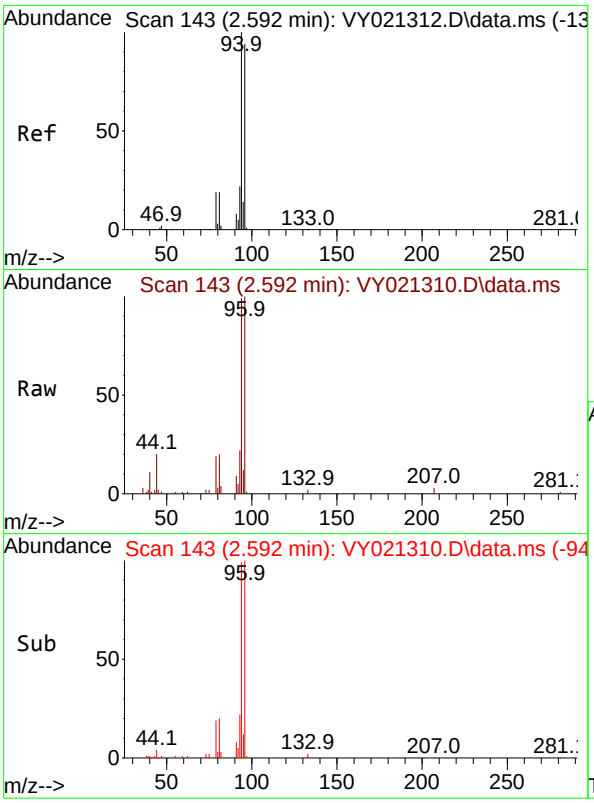


#4
Vinyl Chloride
Concen: 9.830 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 21933

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.3	39.5





#5
Bromomethane
Concen: 10.366 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

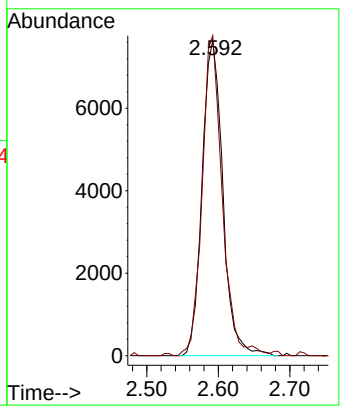
Tgt Ion: 94 Resp: 1537

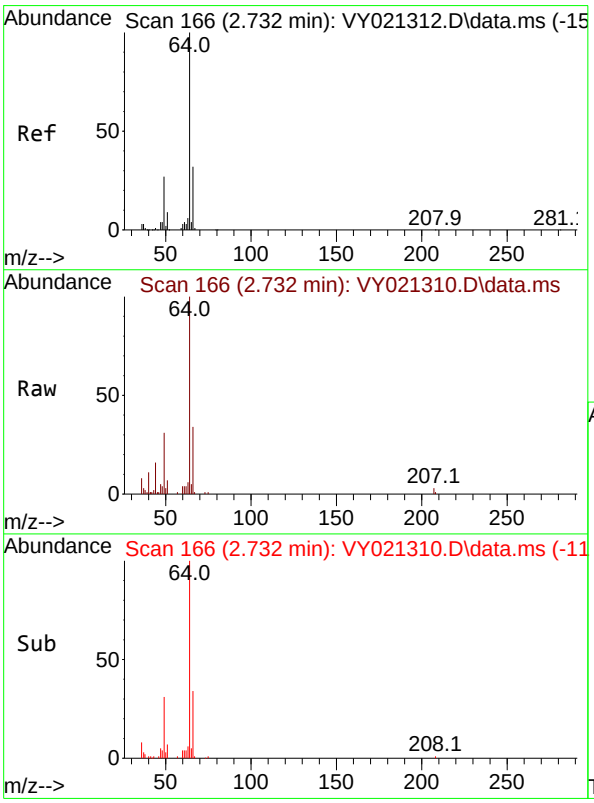
Ion	Ratio	Lower	Upper
94	100		
96	101.5	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

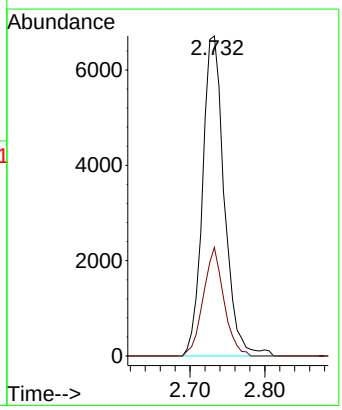


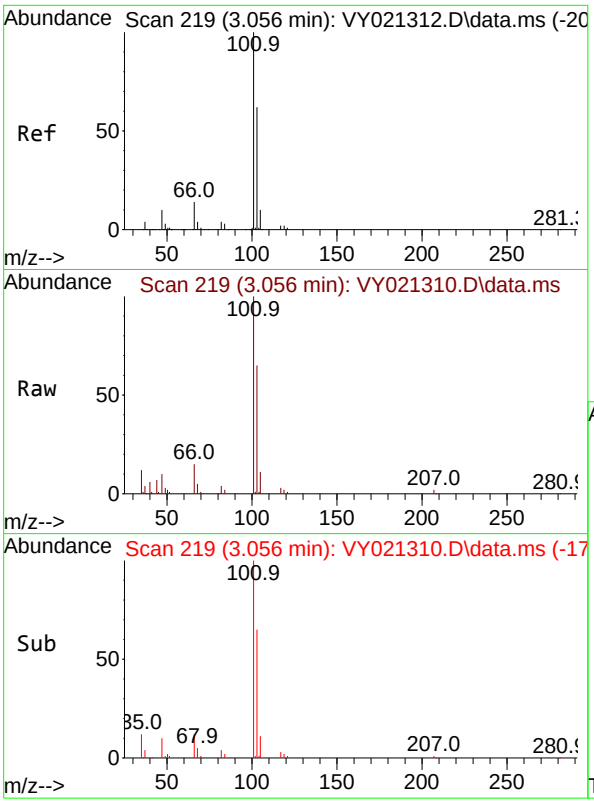


#6
Chloroethane
Concen: 9.801 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 64 Resp: 13561

Ion	Ratio	Lower	Upper
64	100		
66	33.9	25.4	38.0

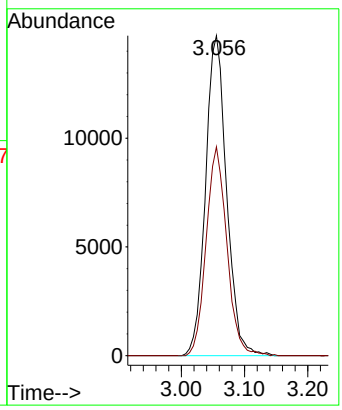




#7
Trichlorofluoromethane
Concen: 10.083 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:101 Resp: 3397

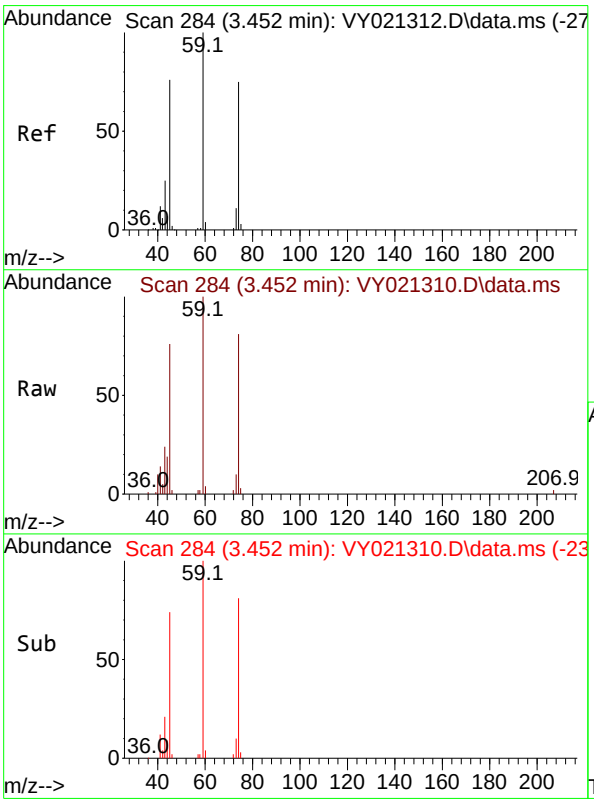
Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

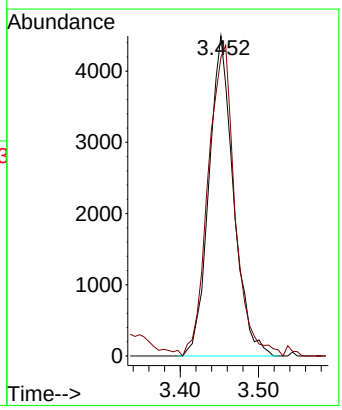
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

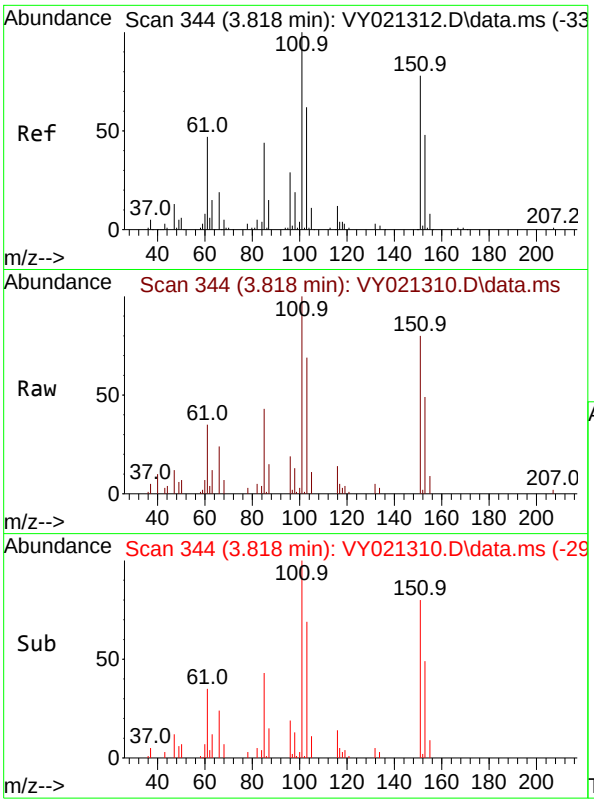


#8
Diethyl Ether
Concen: 9.682 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 74 Resp: 9792

Ion	Ratio	Lower	Upper
74	100		
45	106.0	50.3	150.9

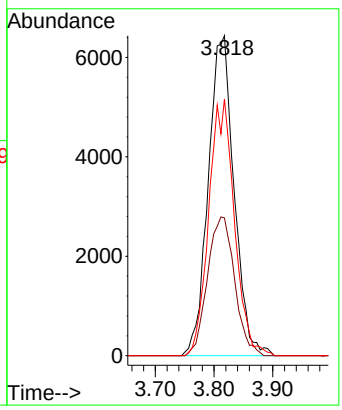




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.077 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:101 Resp: 1966

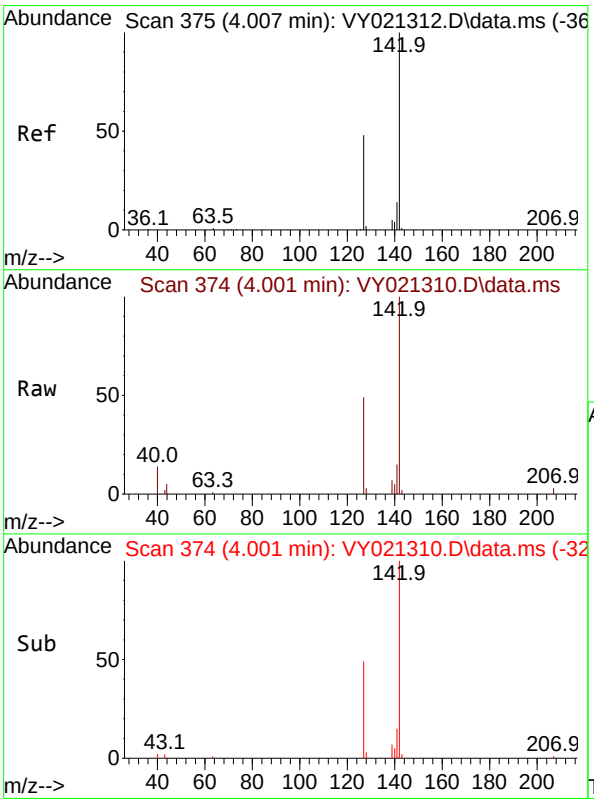
Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.7	55.1
151	79.5	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

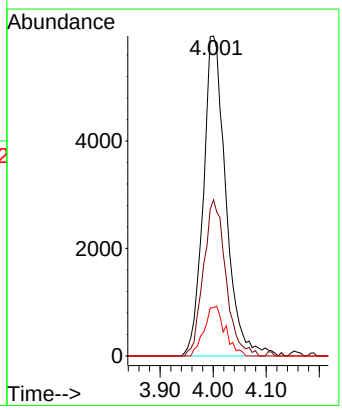
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

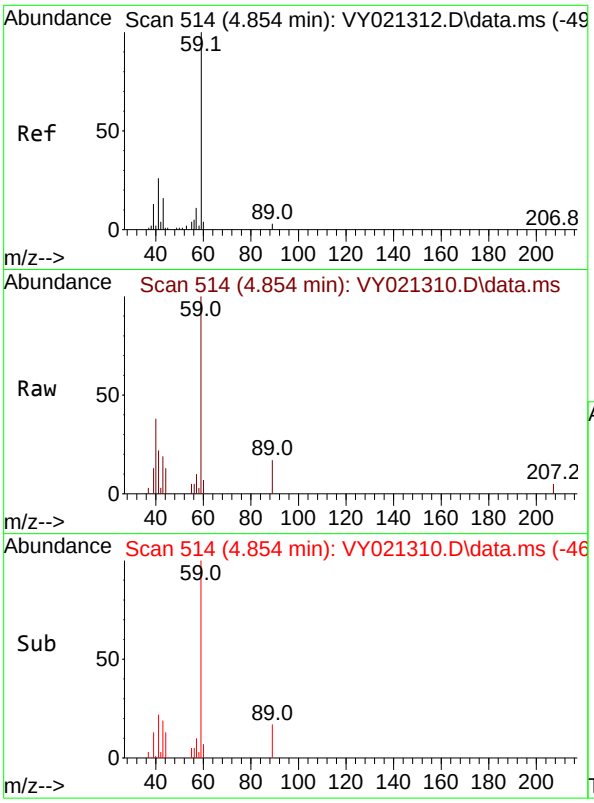


#10
Methyl Iodide
Concen: 8.562 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:142 Resp: 17573

Ion	Ratio	Lower	Upper
142	100		
127	48.3	39.2	58.8
141	14.5	11.4	17.2

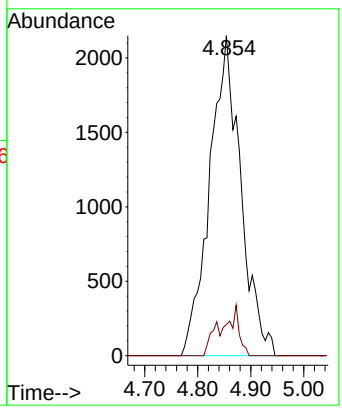




#11
Tert butyl alcohol
Concen: 54.037 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 59 Resp: 875

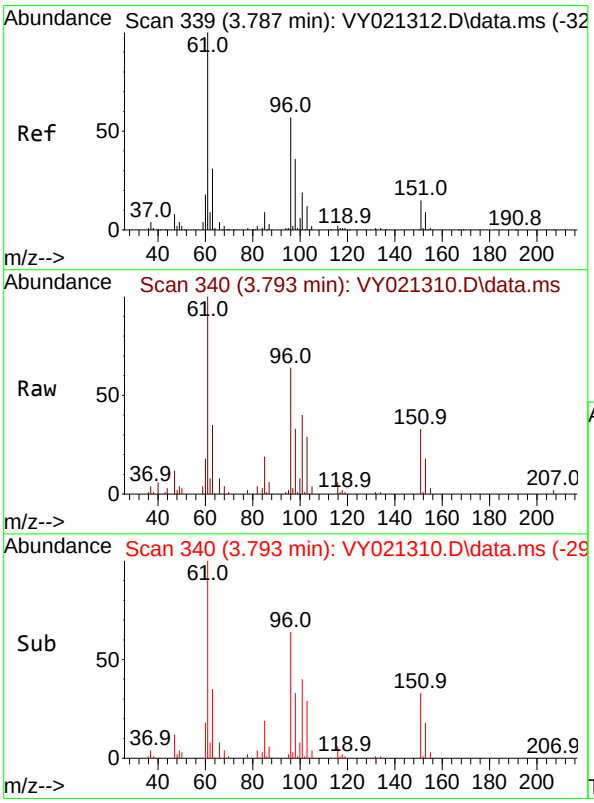
Ion	Ratio	Lower	Upper
59	100		
57	3.1	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

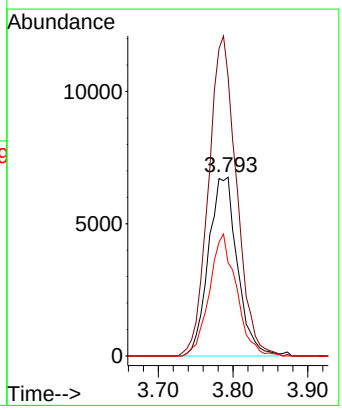
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

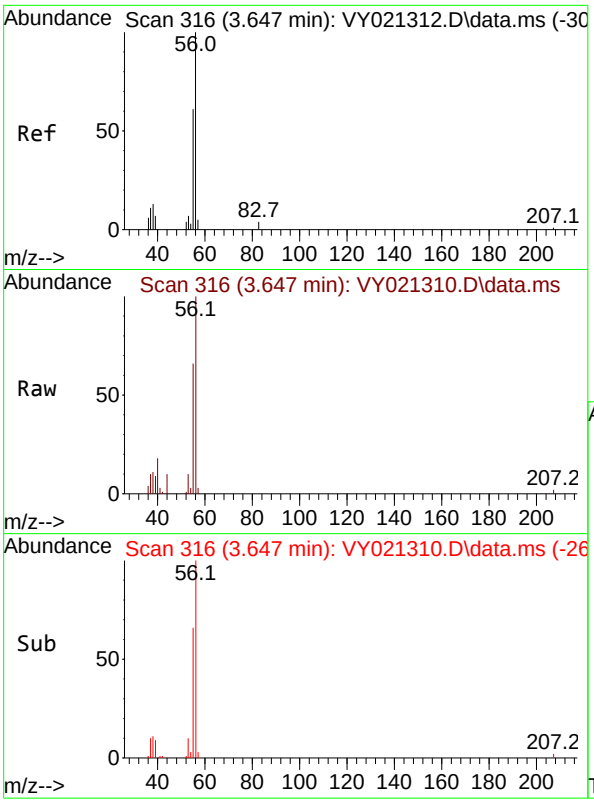


#12
1,1-Dichloroethene
Concen: 9.711 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 18141

Ion	Ratio	Lower	Upper
96	100		
61	156.3	139.7	209.5
98	52.1	49.7	74.5

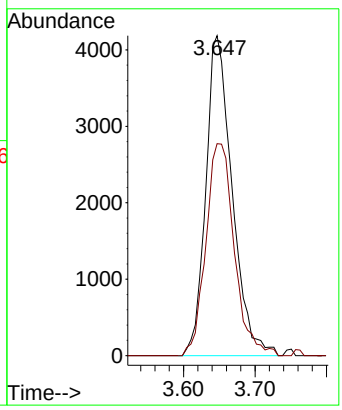




#13
Acrolein
Concen: 86.313 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 56 Resp: 1071

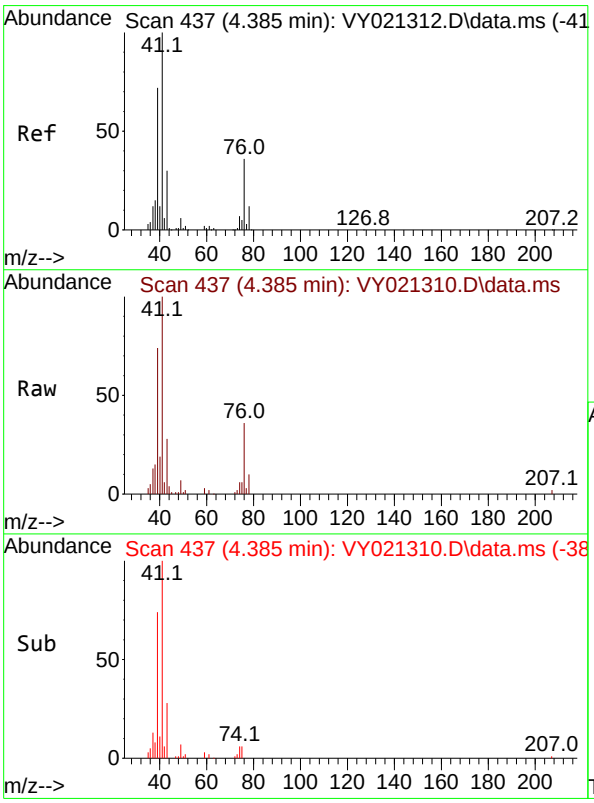
Ion	Ratio	Lower	Upper
56	100		
55	71.4	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

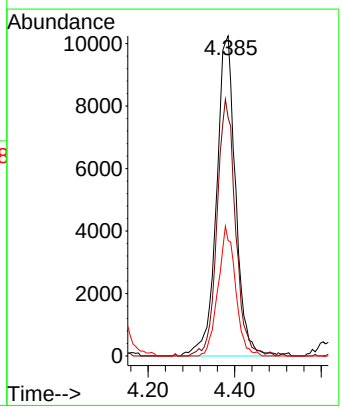
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

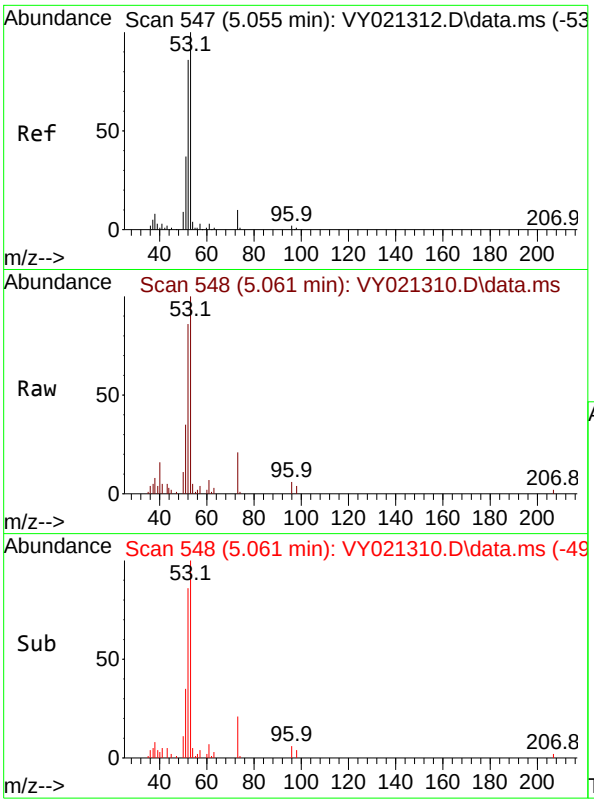


#14
Allyl chloride
Concen: 9.499 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 31462

Ion	Ratio	Lower	Upper
41	100		
39	77.2	60.0	90.0
76	36.9	29.0	43.6

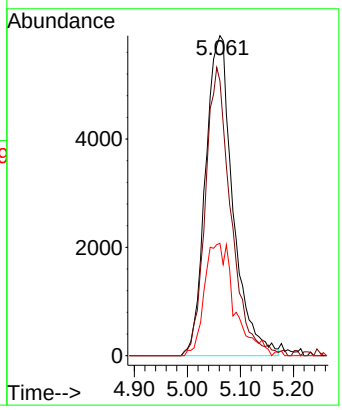




#15
Acrylonitrile
Concen: 47.572 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 53 Resp: 2127

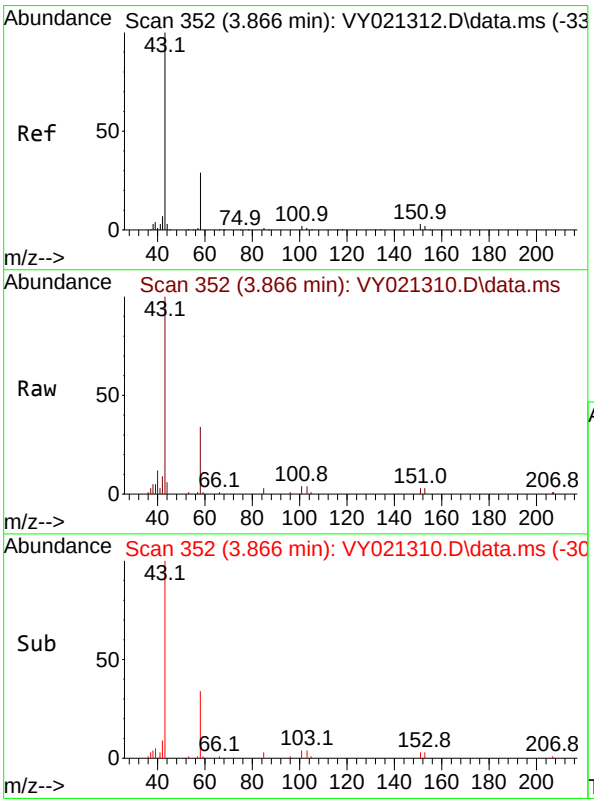
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.5	98.3
51	38.5	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

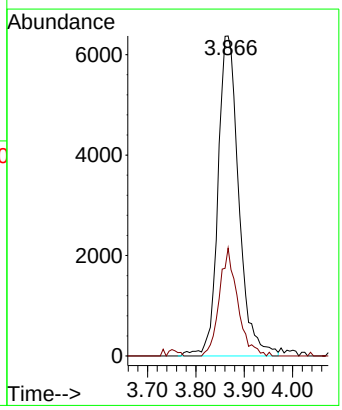
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

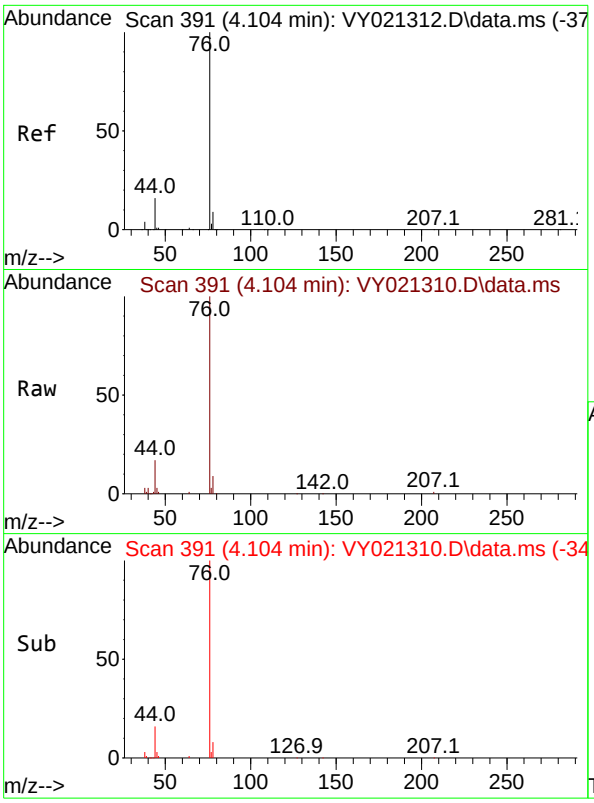


#16
Acetone
Concen: 47.086 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 19023

Ion	Ratio	Lower	Upper
43	100		
58	33.7	23.5	35.3





#17
Carbon Disulfide
Concen: 9.888 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

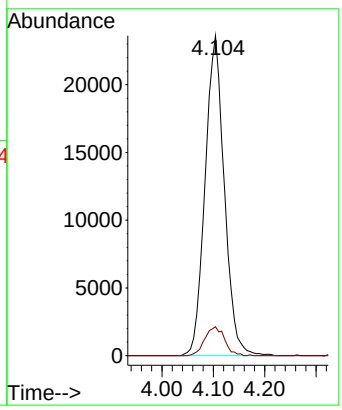
Tgt Ion: 76 Resp: 6133

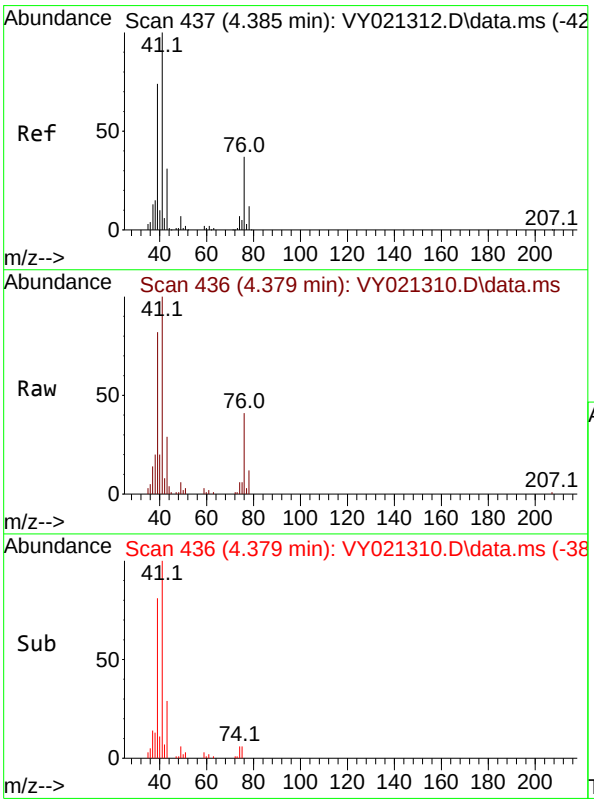
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

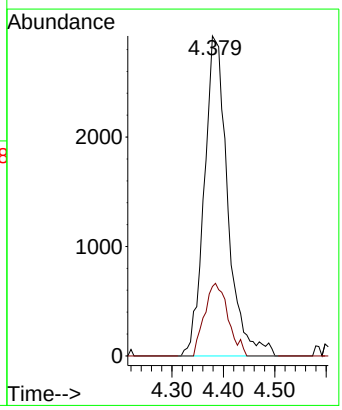


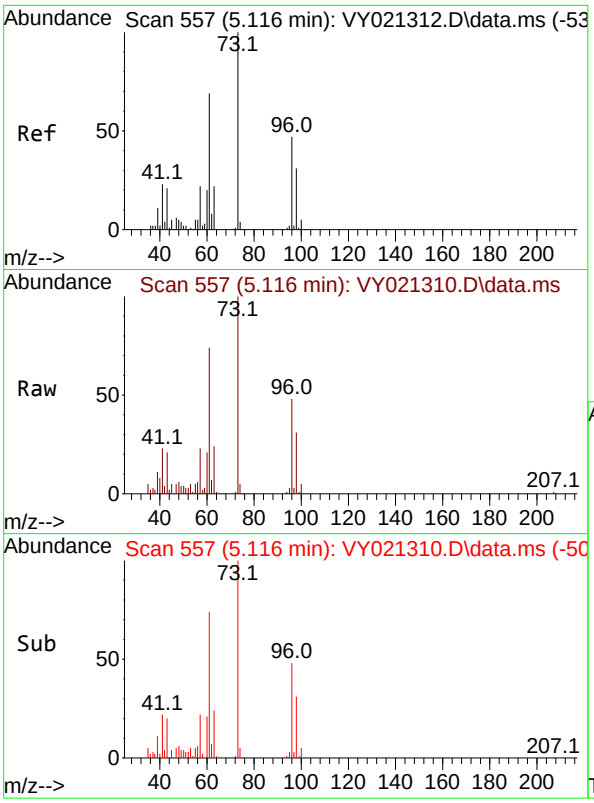


#18
Methyl Acetate
Concen: 9.378 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 9259

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.7	26.5

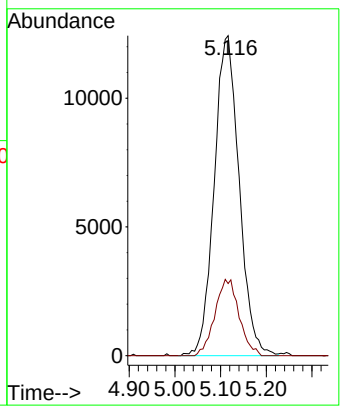




#19
Methyl tert-butyl Ether
Concen: 9.541 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 73 Resp: 4709

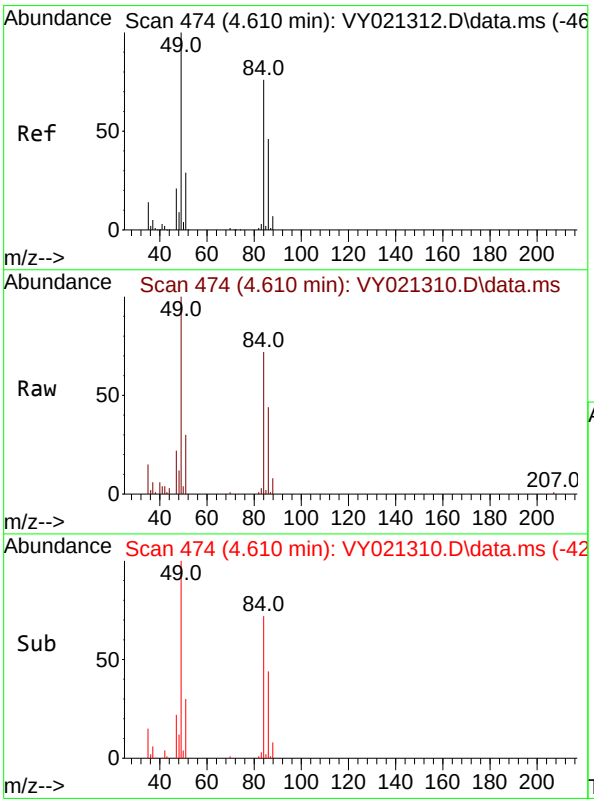
Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

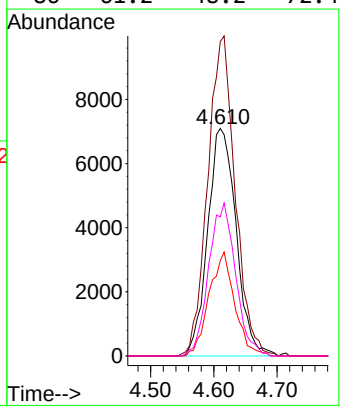
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

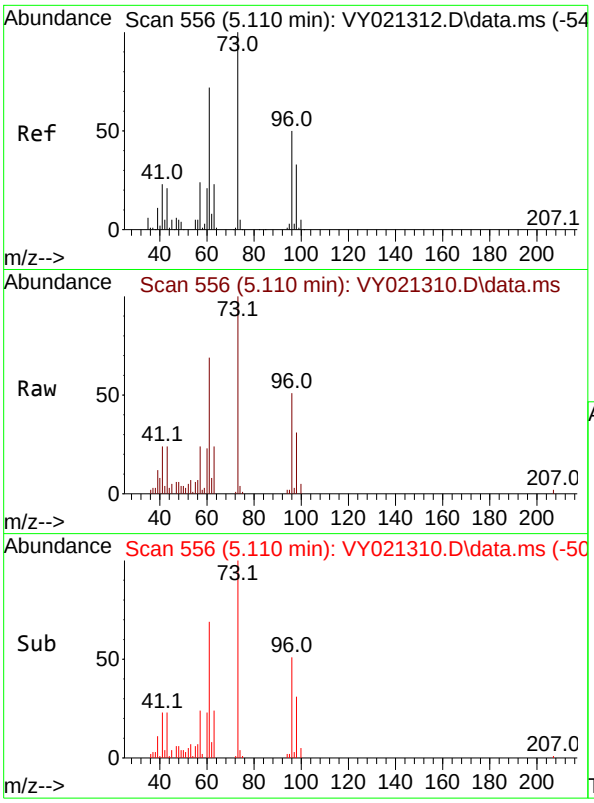


#20
Methylene Chloride
Concen: 10.158 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 84 Resp: 22192

Ion	Ratio	Lower	Upper
84	100		
49	138.2	105.1	157.7
51	41.9	31.0	46.4
86	61.2	48.2	72.4

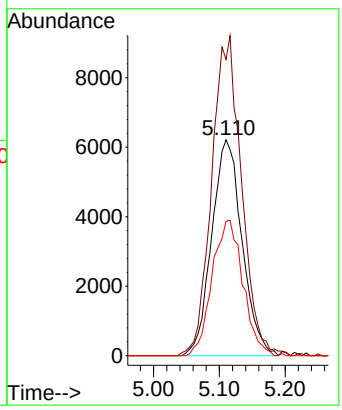




#21
trans-1,2-Dichloroethene
Concen: 9.687 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 1992

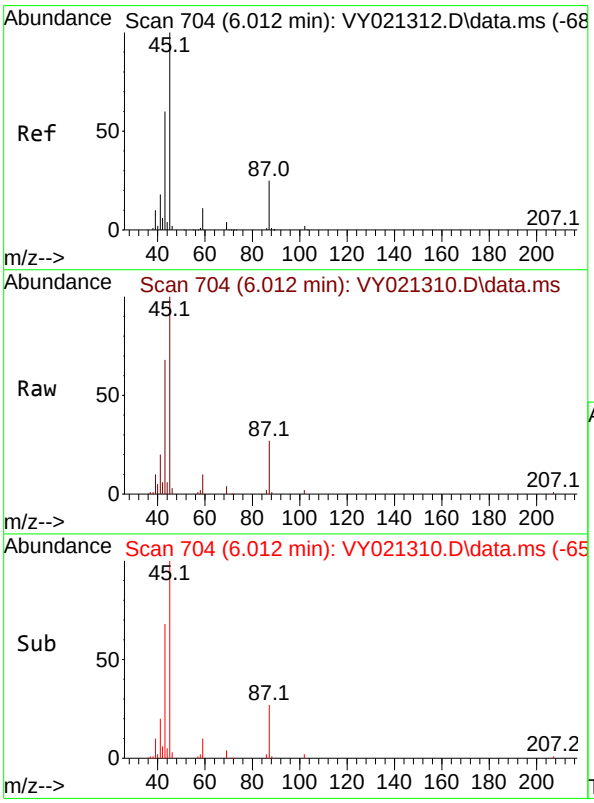
Ion	Ratio	Lower	Upper
96	100		
61	137.3	116.3	174.5
98	62.3	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

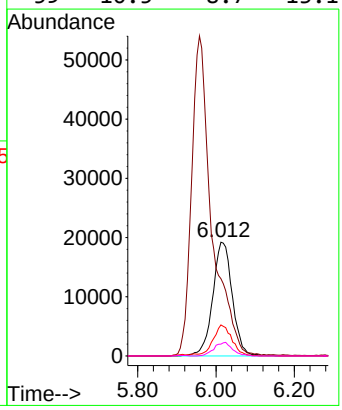
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

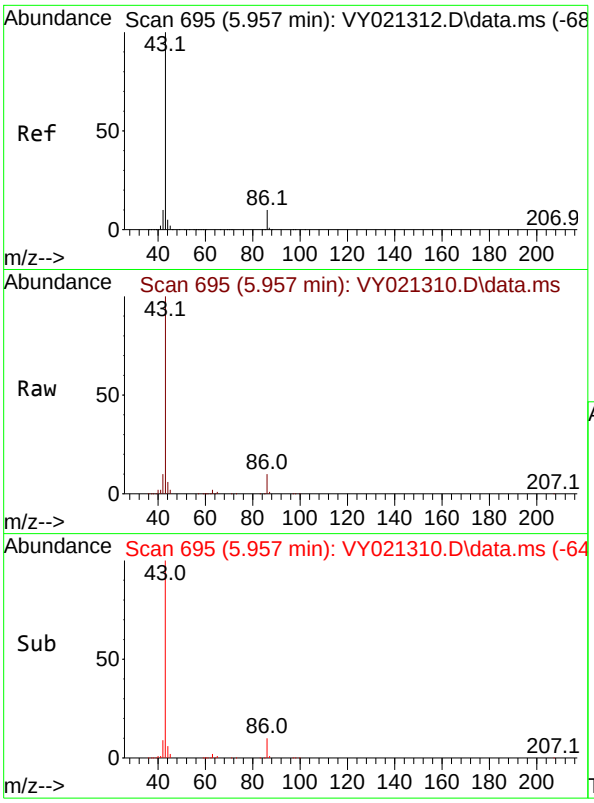


#22
Diisopropyl ether
Concen: 9.717 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 45 Resp: 66598

Ion	Ratio	Lower	Upper
45	100		
43	67.4	48.2	72.4
87	27.4	20.3	30.5
59	10.5	8.7	13.1





#23
Vinyl Acetate
Concen: 47.195 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

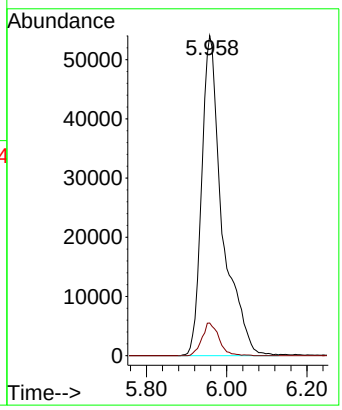
Tgt Ion: 43 Resp: 19329

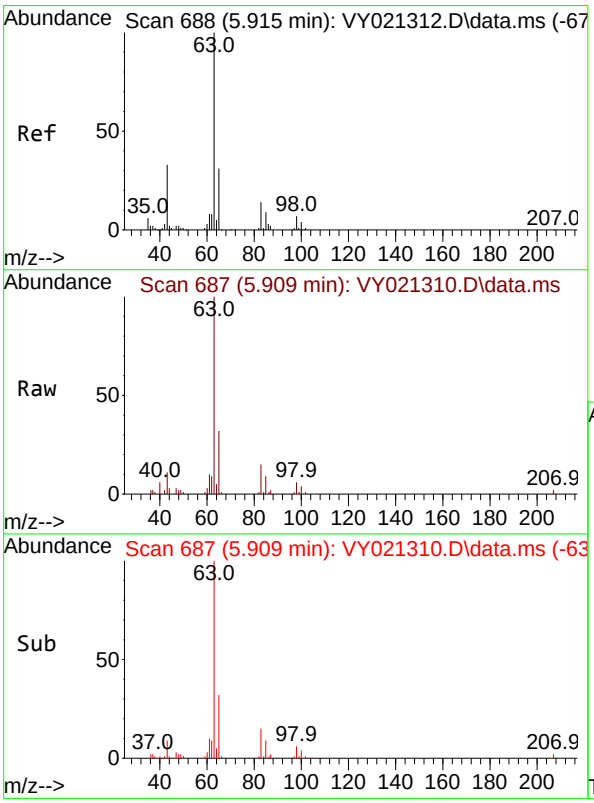
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

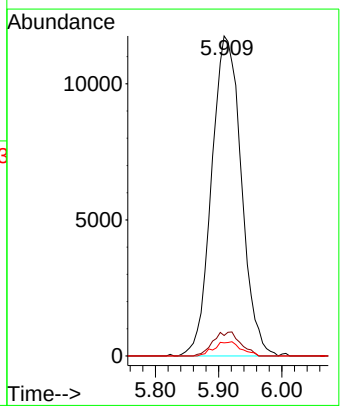


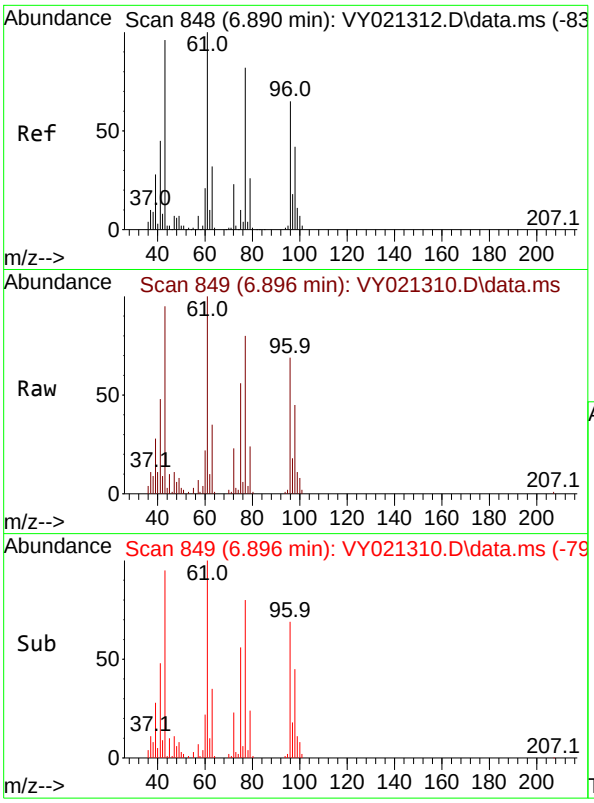


#24
1,1-Dichloroethane
Concen: 9.918 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 38311

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.7	11.1
100	4.1	2.1	6.5

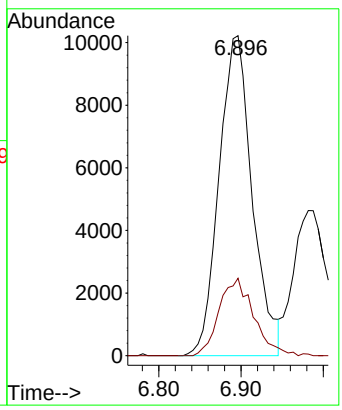




#25
2-Butanone
Concen: 47.087 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 2871

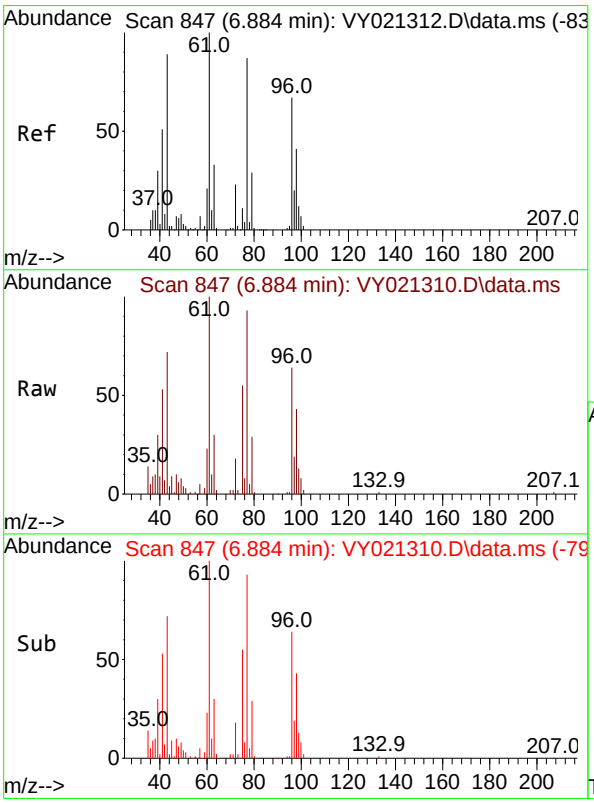
Ion	Ratio	Lower	Upper
43	100		
72	24.2	19.0	28.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

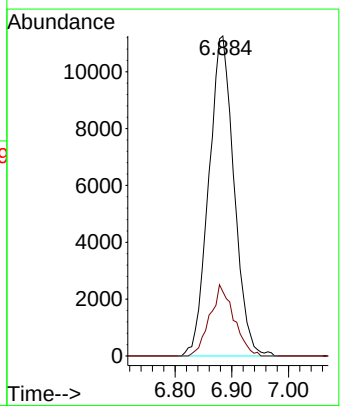
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

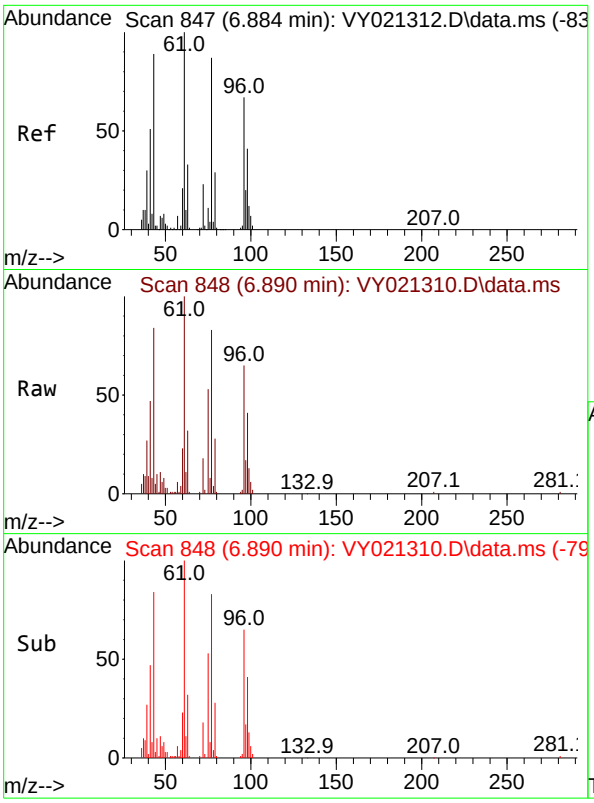


#26
2,2-Dichloropropane
Concen: 9.945 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 77 Resp: 34859

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7

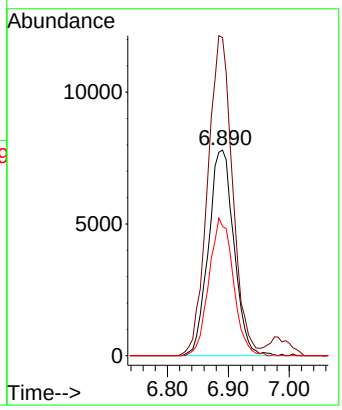




#27
cis-1,2-Dichloroethene
Concen: 9.651 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 2266

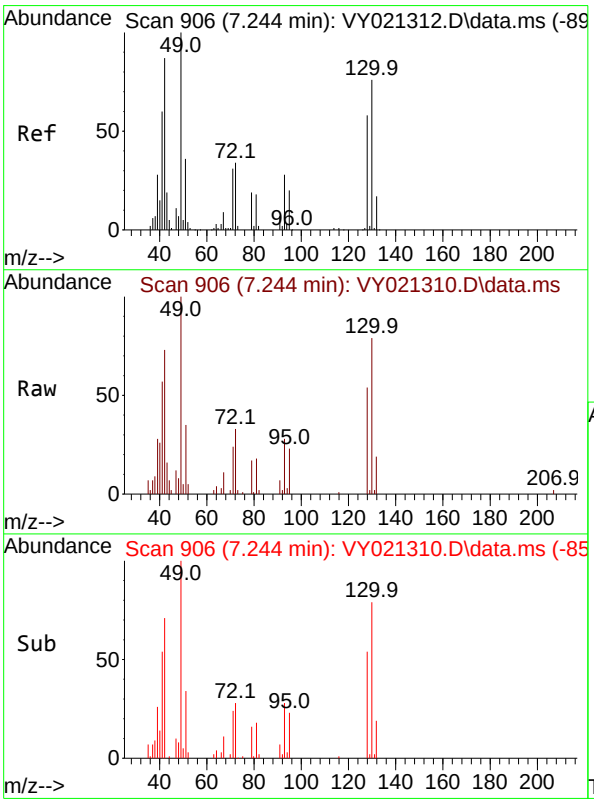
Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	308.0
98	63.9	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

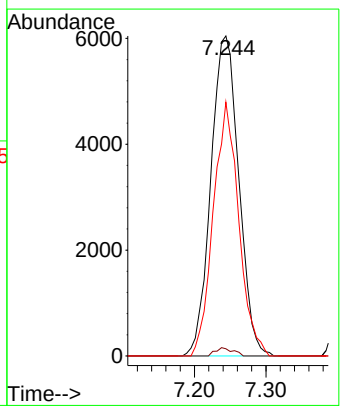
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

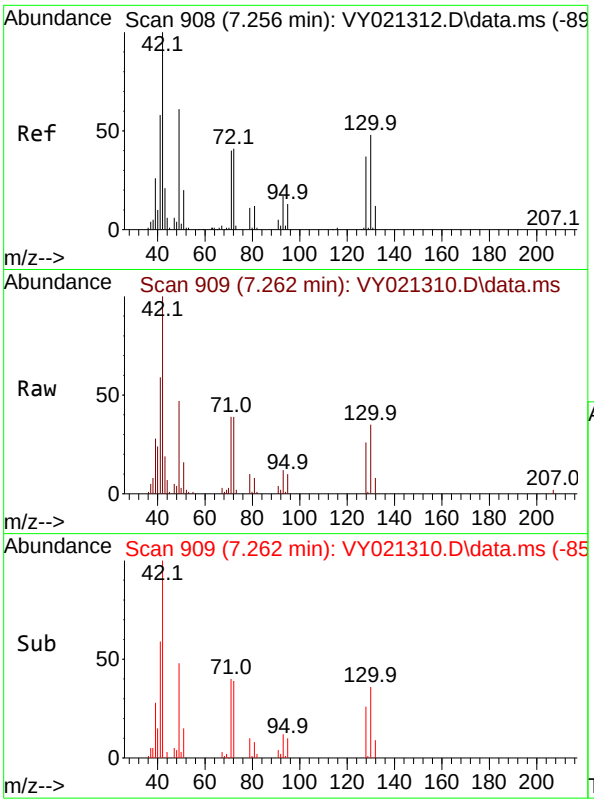


#28
Bromochloromethane
Concen: 9.605 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 49 Resp: 16417

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	72.2	57.8	86.6

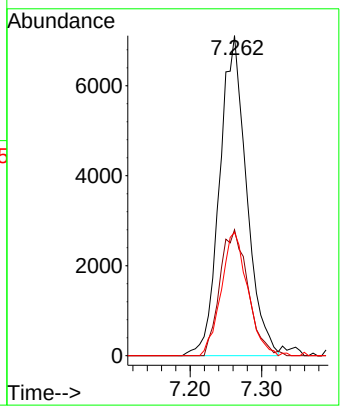




#29
Tetrahydrofuran
Concen: 46.731 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 42 Resp: 1862

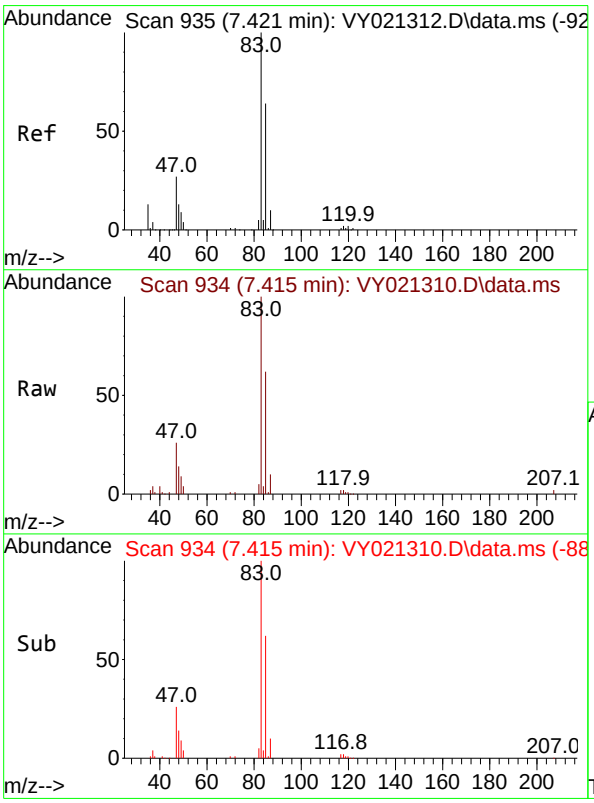
Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.1	49.7
71	38.1	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

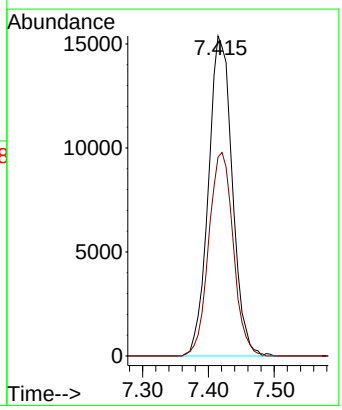
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

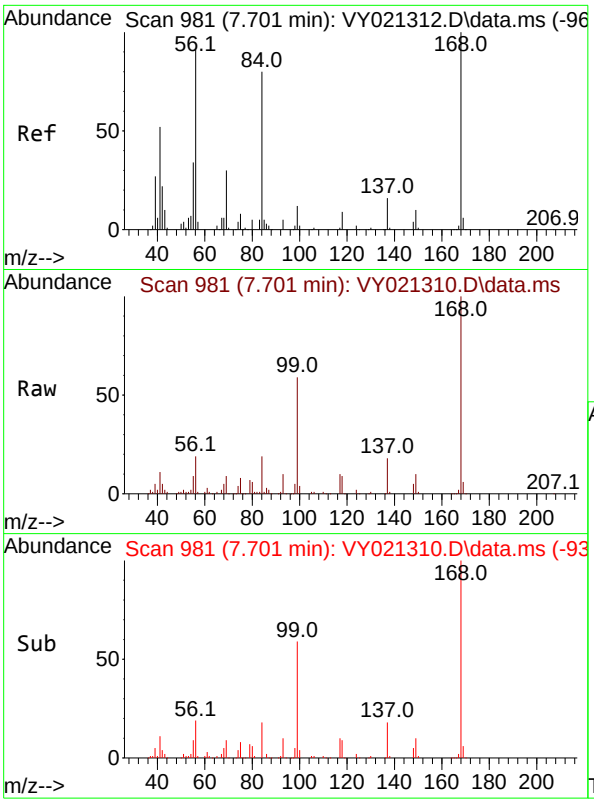


#30
Chloroform
Concen: 9.922 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 38838

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.6	77.4

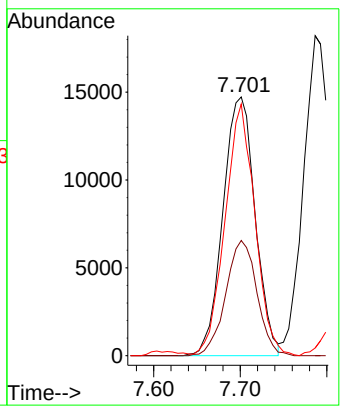




#31
Cyclohexane
Concen: 10.253 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 56 Resp: 3807

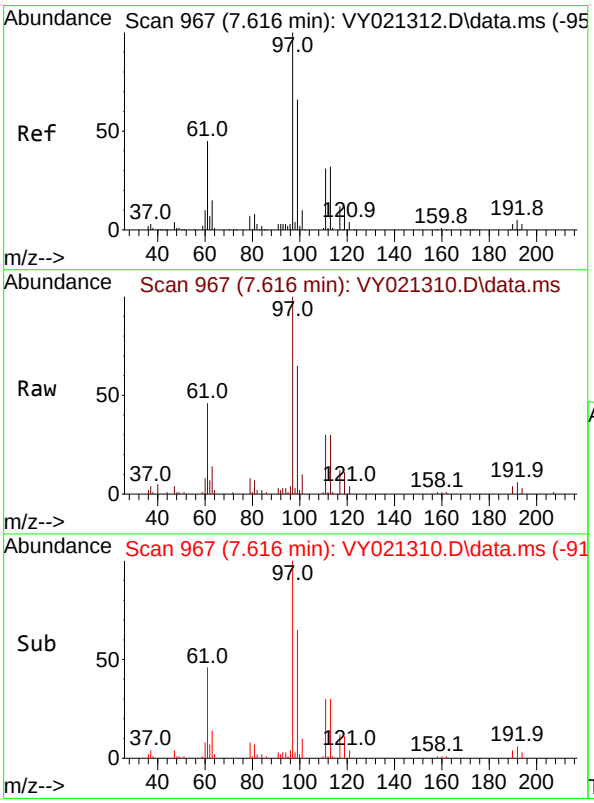
Ion	Ratio	Lower	Upper
56	100		
69	44.5	26.2	39.4
84	96.3	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

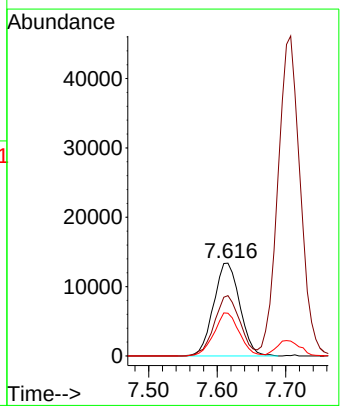
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

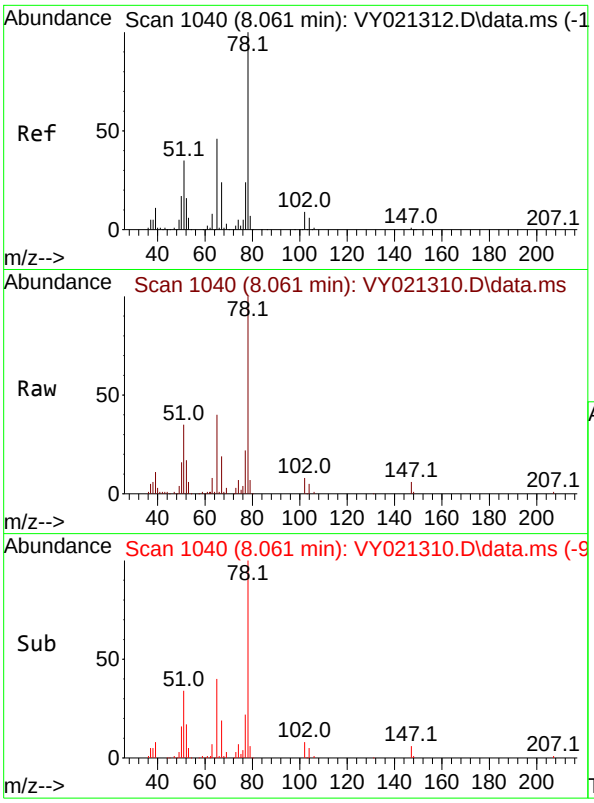


#32
1,1,1-Trichloroethane
Concen: 9.961 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 97 Resp: 35489

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.4	78.6
61	45.1	36.2	54.2

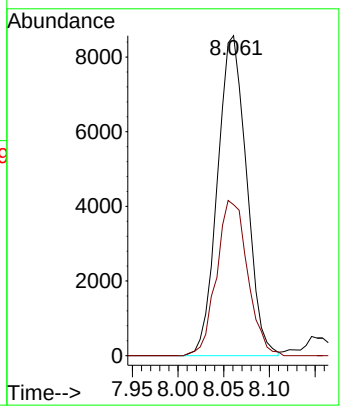




#33
1,2-Dichloroethane-d4
Concen: 8.992 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 65 Resp: 1893

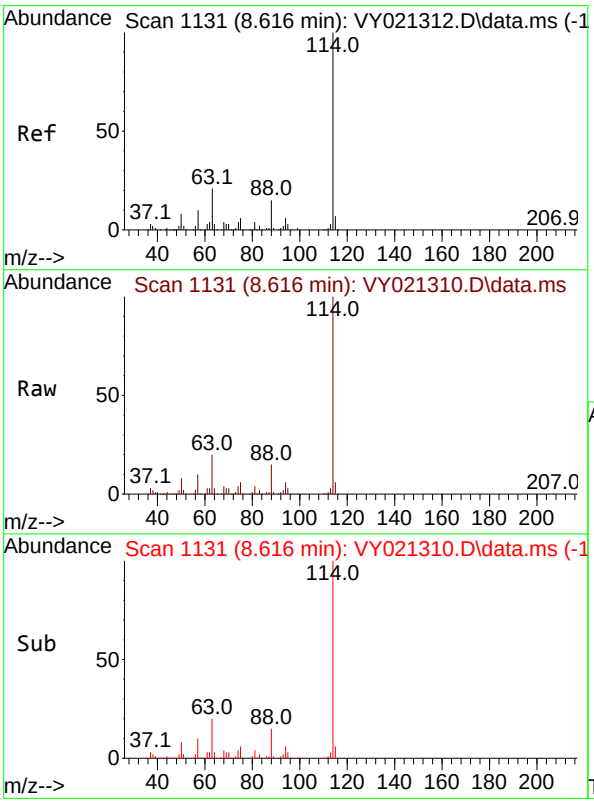
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

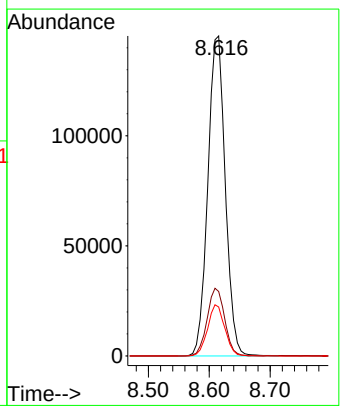
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

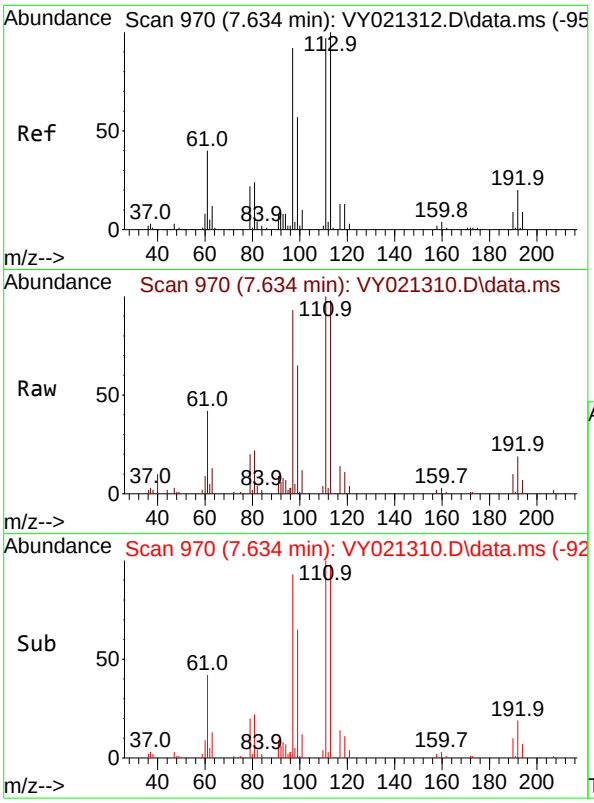


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:114 Resp: 289178

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.2
88	15.3	0.0	29.8

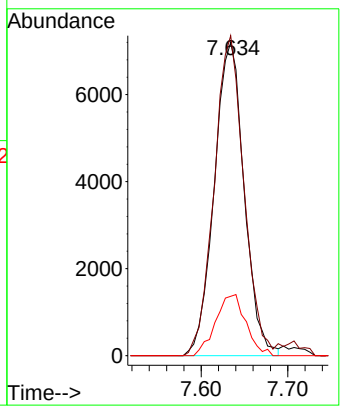




#35
Dibromofluoromethane
Concen: 9.108 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:113 Resp: 1726

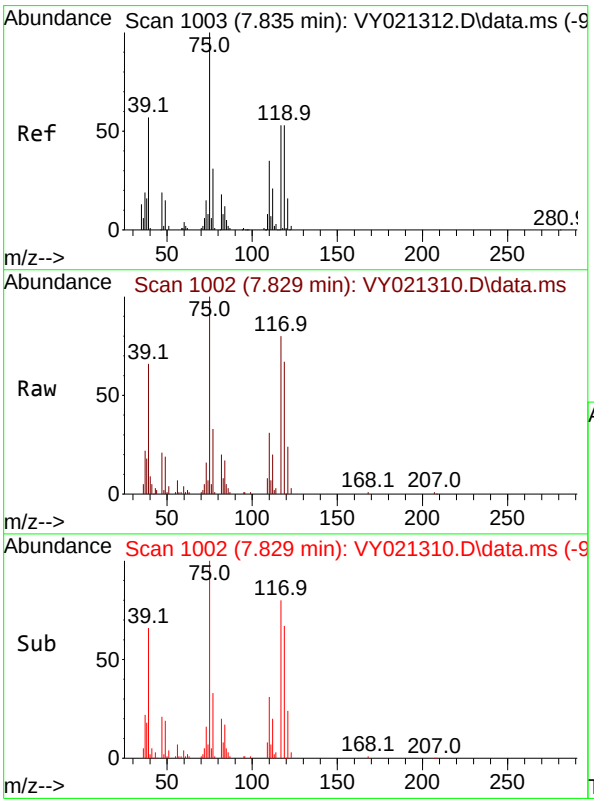
Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.6
192	19.7	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

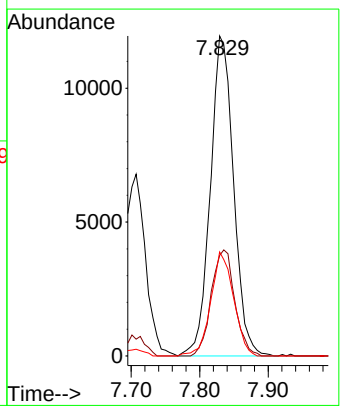
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

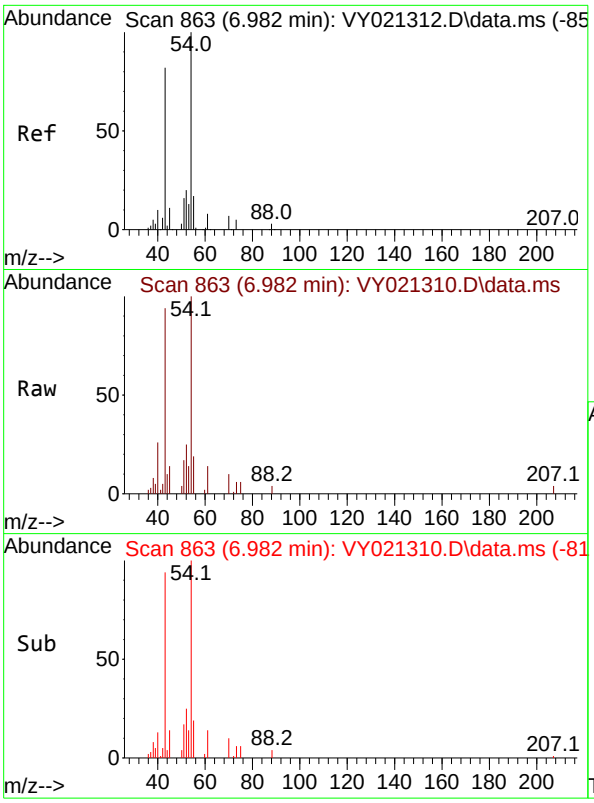


#36
1,1-Dichloropropene
Concen: 9.892 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 28171

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	31.9	24.6	36.8





#37
Ethyl Acetate
Concen: 10.038 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

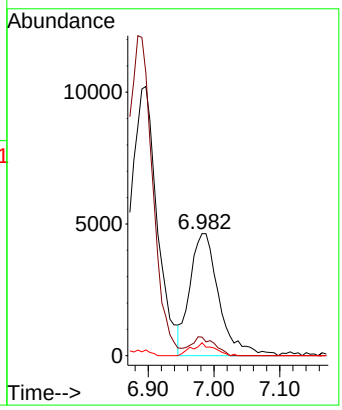
Tgt Ion: 43 Resp: 1421

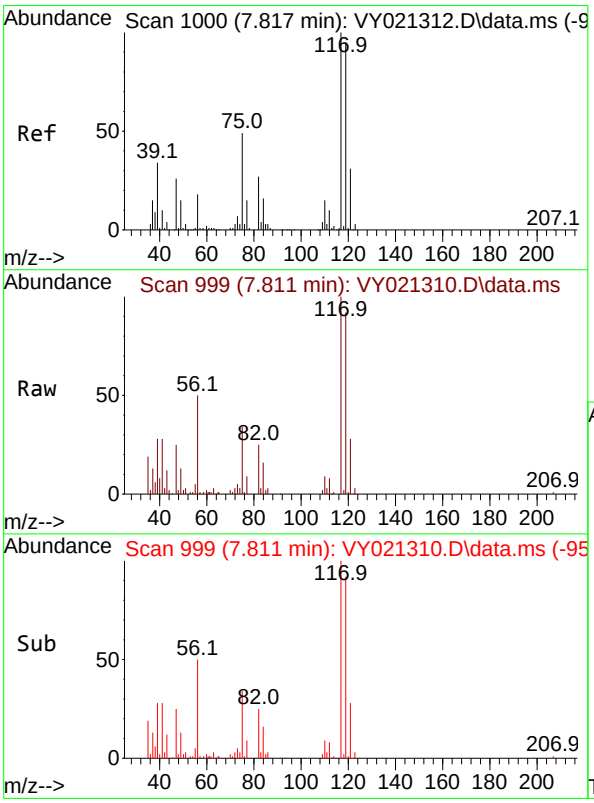
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	8.0	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

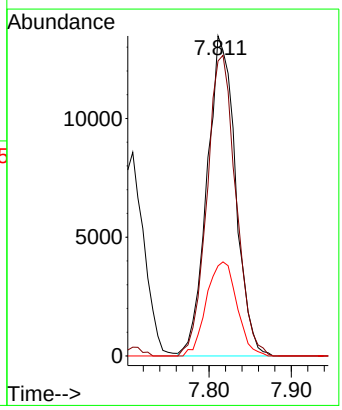


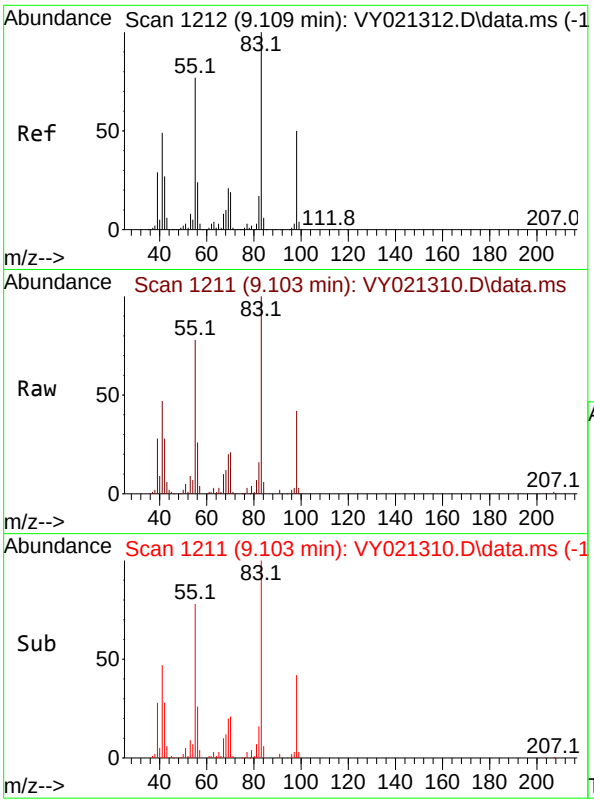


#38
Carbon Tetrachloride
Concen: 10.149 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 32494

Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.0	114.0
121	28.1	24.9	37.3





#39
Methylcyclohexane
Concen: 9.837 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

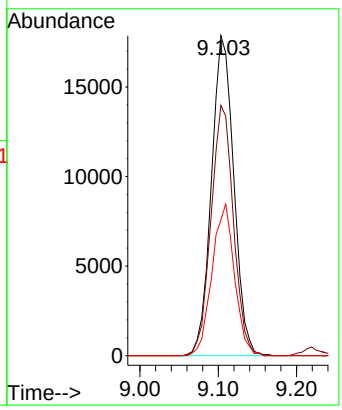
Tgt Ion: 83 Resp: 3543

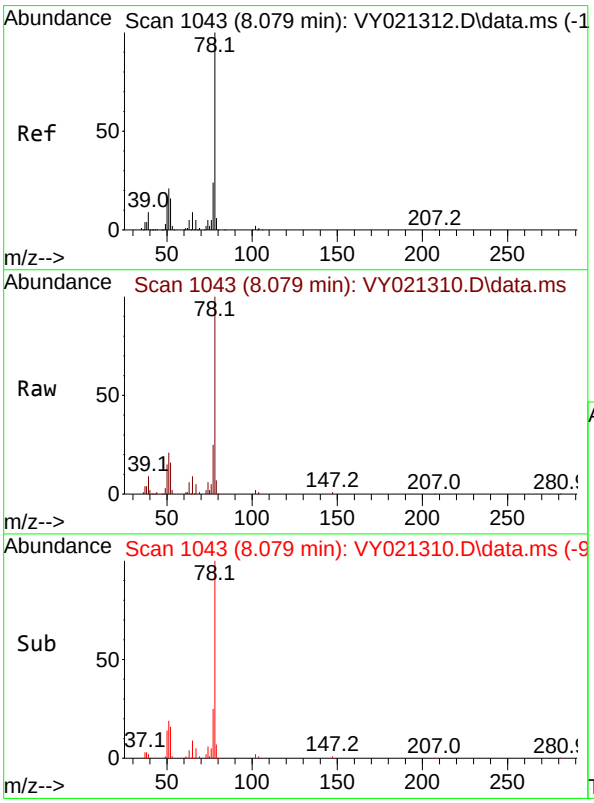
Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.3	91.9
98	42.5	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

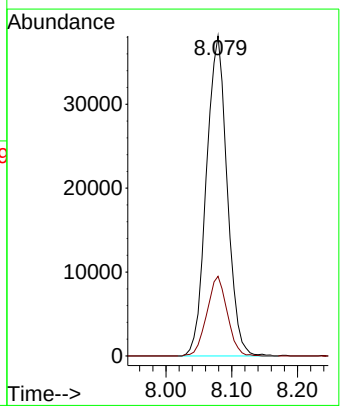


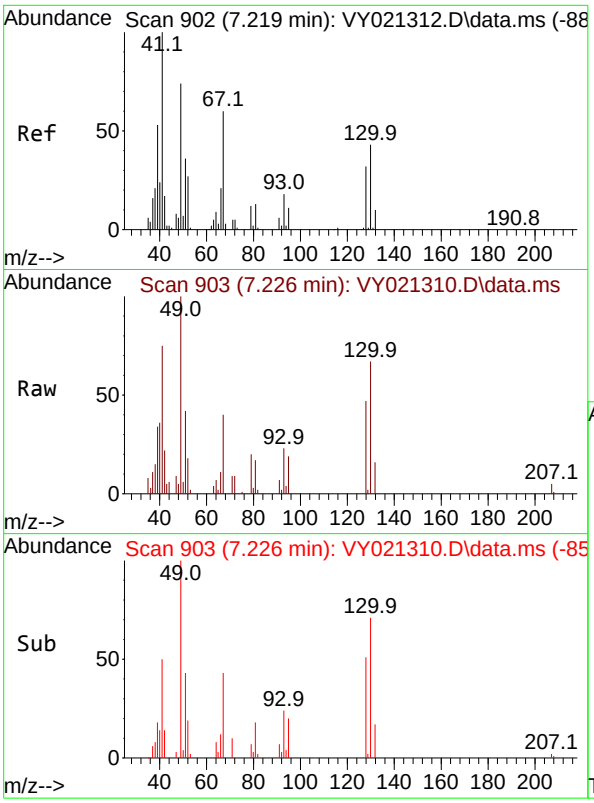


#40
Benzene
Concen: 9.930 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 78 Resp: 83594

Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.2	28.8

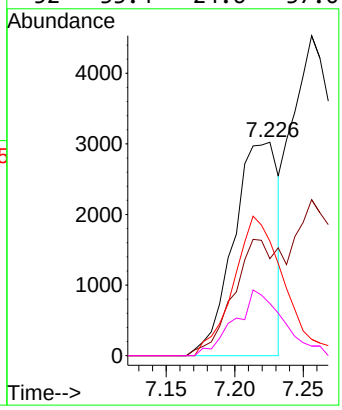




#41
Methacrylonitrile
Concen: 8.642 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 684

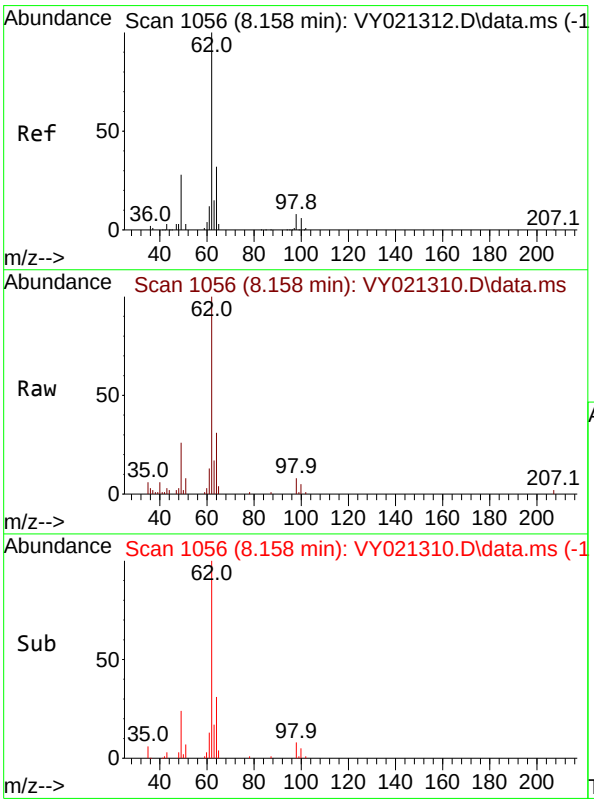
Ion	Ratio	Lower	Upper
41	100		
39	60.5	42.3	63.5
67	74.2	54.8	82.2
52	33.4	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

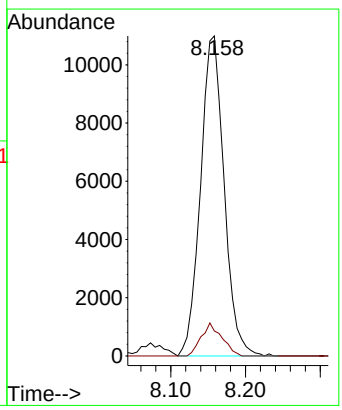
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

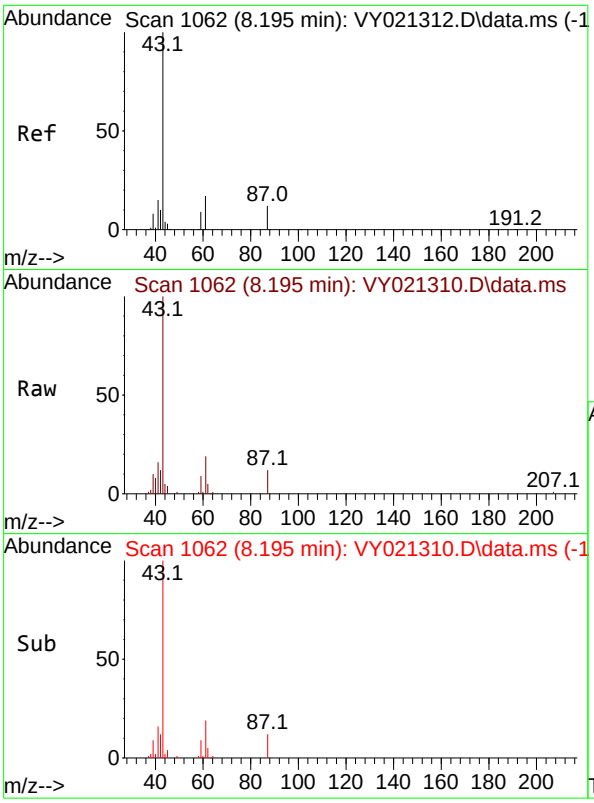


#42
1,2-Dichloroethane
Concen: 10.087 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 24091

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6

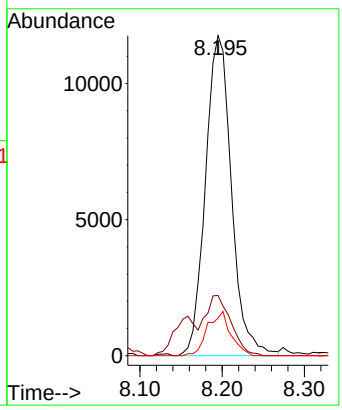




#43
Isopropyl Acetate
Concen: 9.436 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 2587

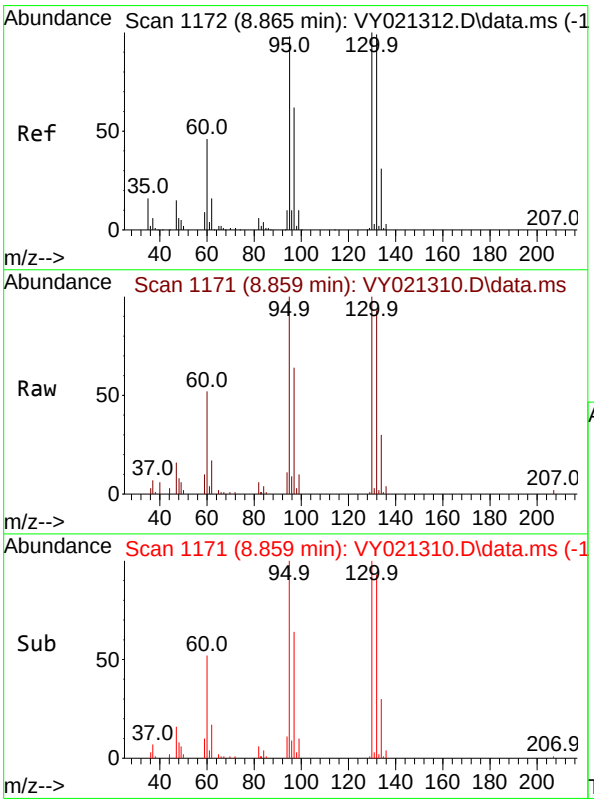
Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.0	22.6
87	12.3	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

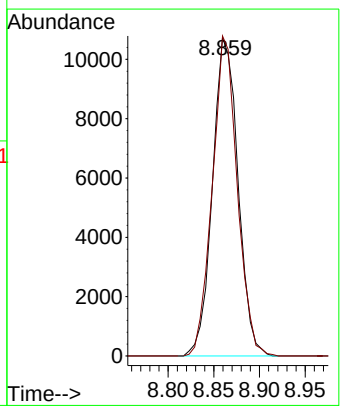
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

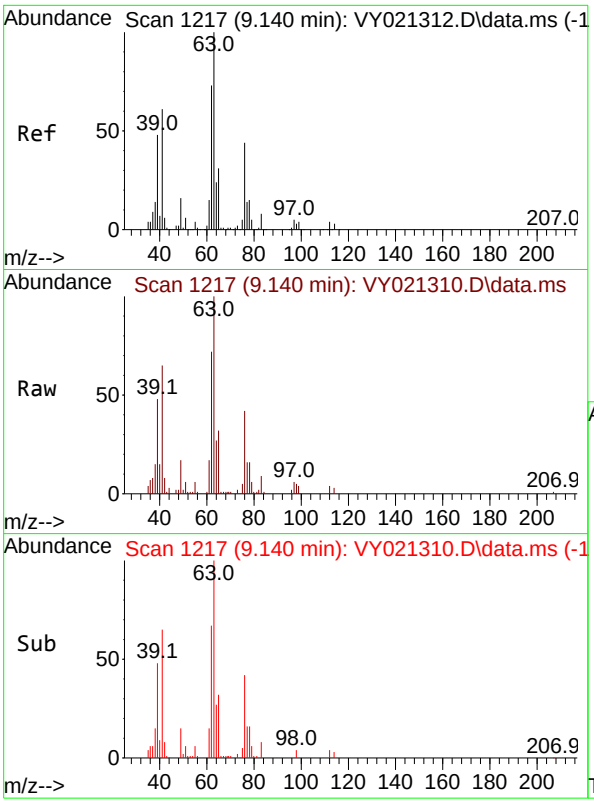


#44
Trichloroethene
Concen: 9.880 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:130 Resp: 20823

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	196.0





#45
1,2-Dichloropropane
Concen: 9.978 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

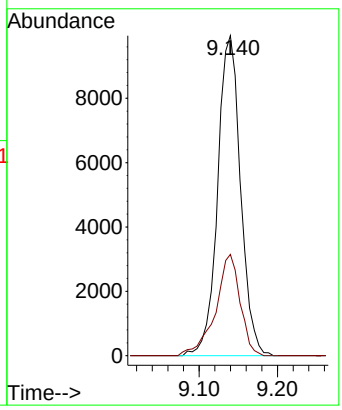
Tgt Ion: 63 Resp: 2021

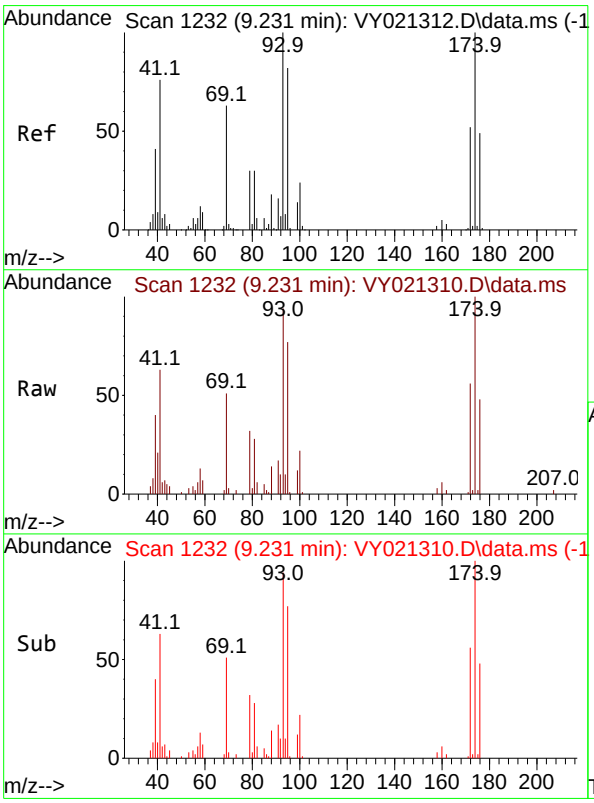
Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

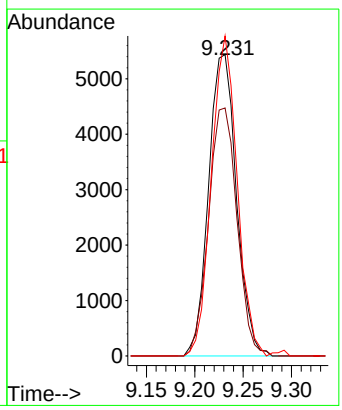


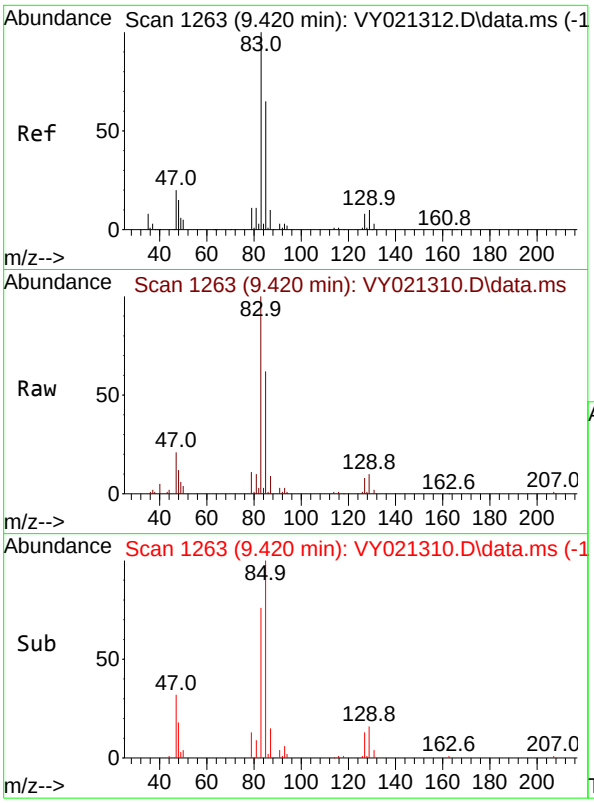


#46
Dibromomethane
Concen: 9.845 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 93 Resp: 10902

Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.4	99.6
174	98.2	78.2	117.2

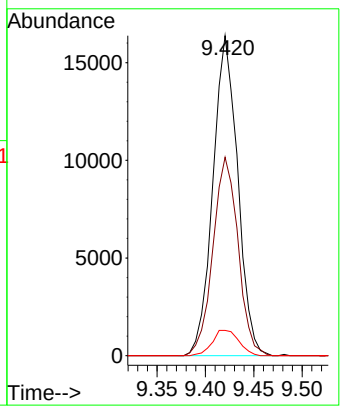




#47
Bromodichloromethane
Concen: 9.860 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 2911

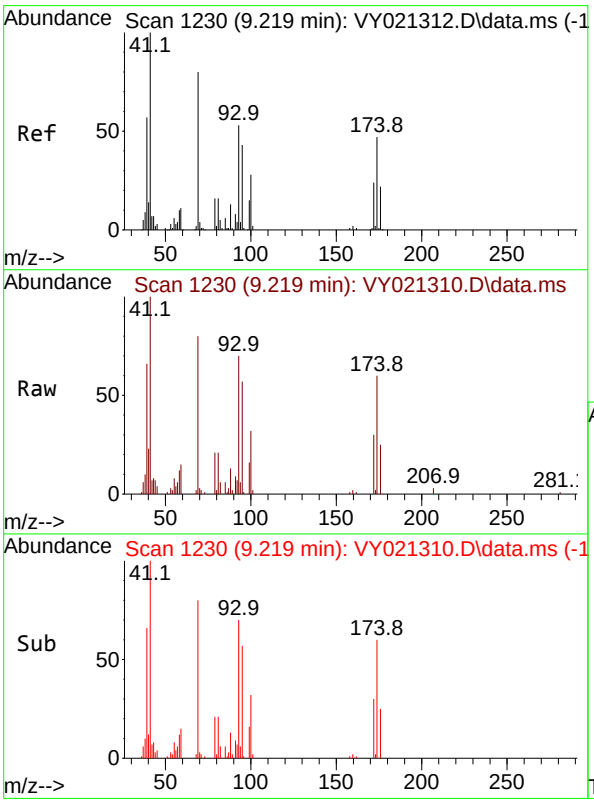
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.8	77.8
127	7.9	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

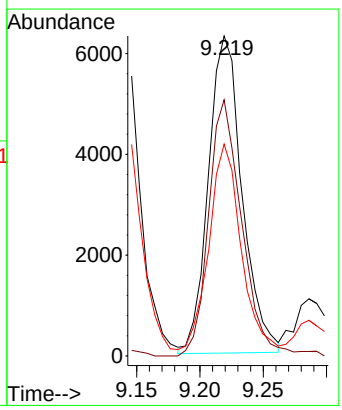
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

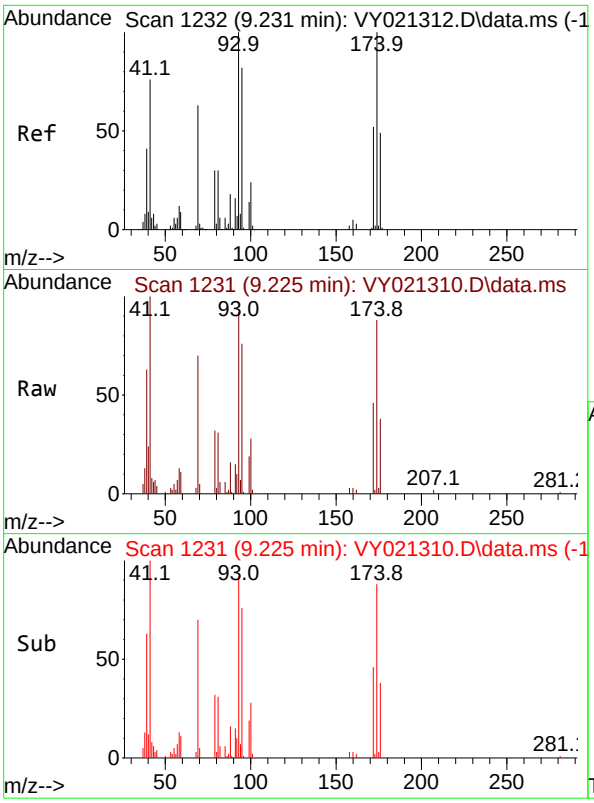


#48
Methyl methacrylate
Concen: 9.088 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 11652

Ion	Ratio	Lower	Upper
41	100		
69	80.1	63.3	94.9
39	61.7	45.0	67.6





#49
1,4-Dioxane
Concen: 187.520 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

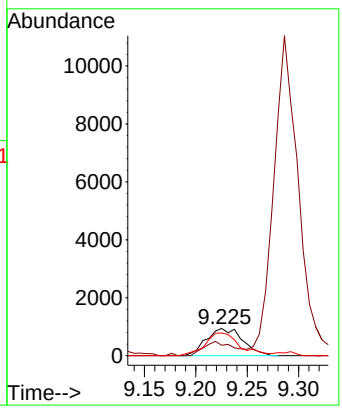
Tgt Ion: 88 Resp: 230

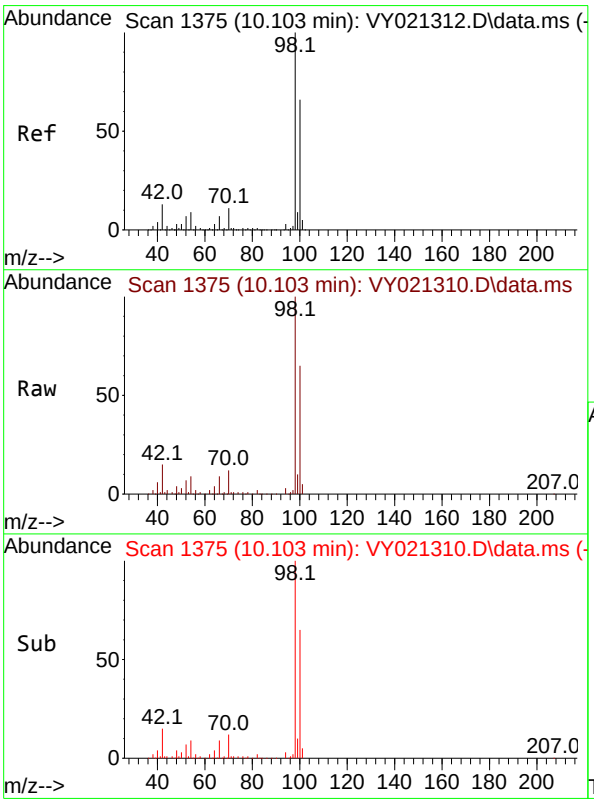
Ion	Ratio	Lower	Upper
88	100		
43	44.1	34.8	52.2
58	79.5	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

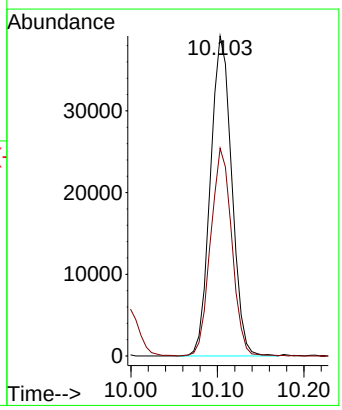


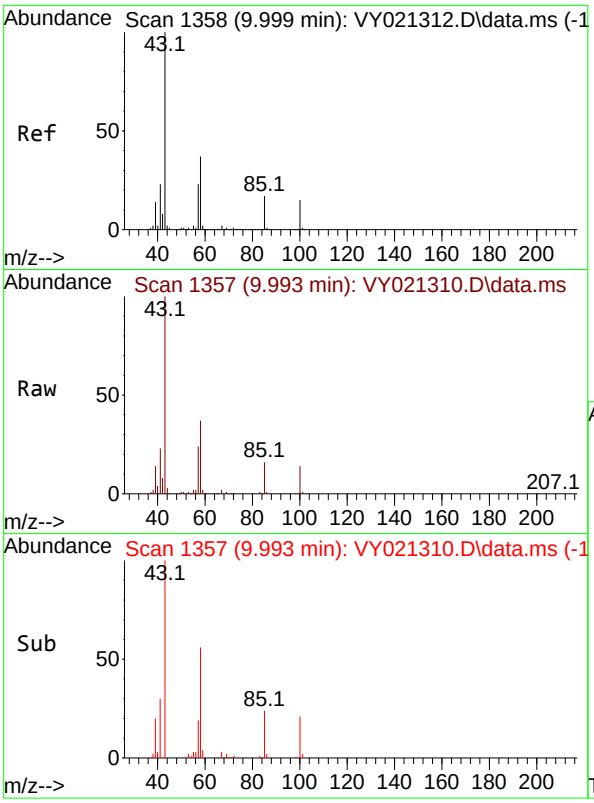


#50
Toluene-d8
Concen: 9.141 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 98 Resp: 66979

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.4	78.6

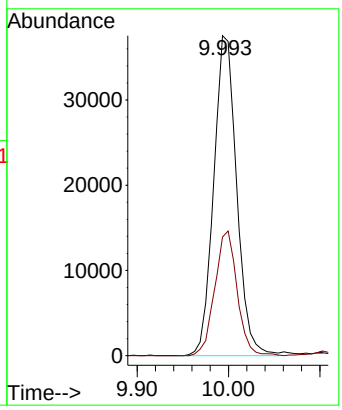




#51
4-Methyl-2-Pentanone
Concen: 46.808 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 6569

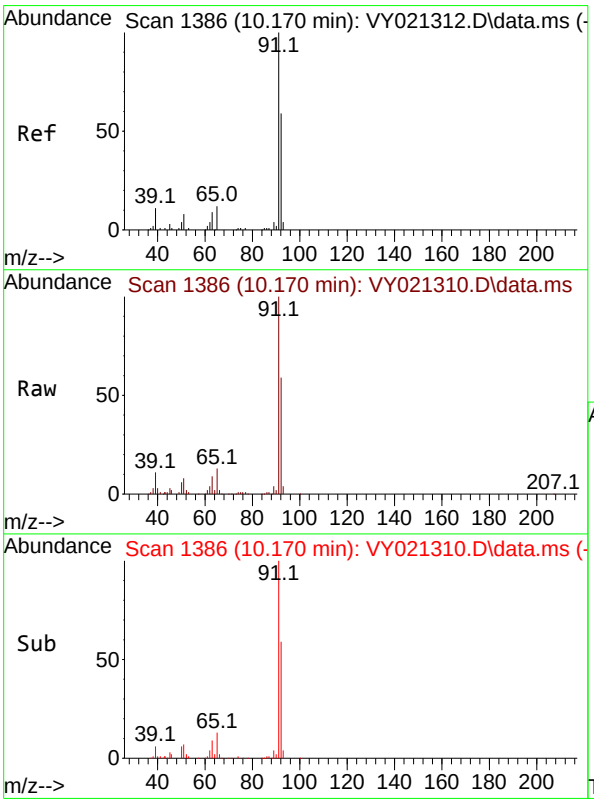
Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

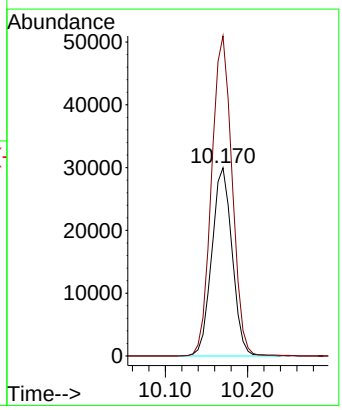
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

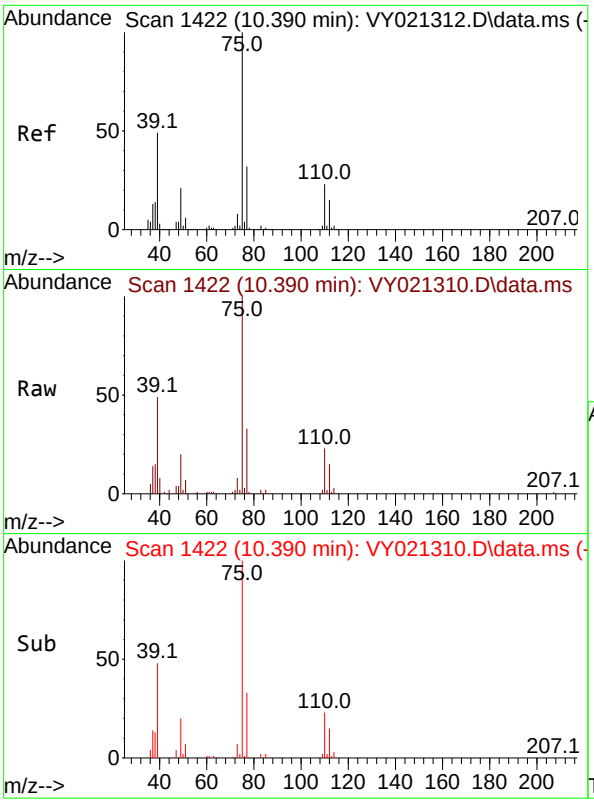


#52
Toluene
Concen: 9.823 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 92 Resp: 51371

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.8	206.8





#53
t-1,3-Dichloropropene
Concen: 9.322 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

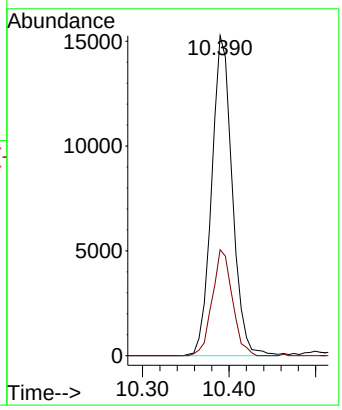
Tgt Ion: 75 Resp: 2521

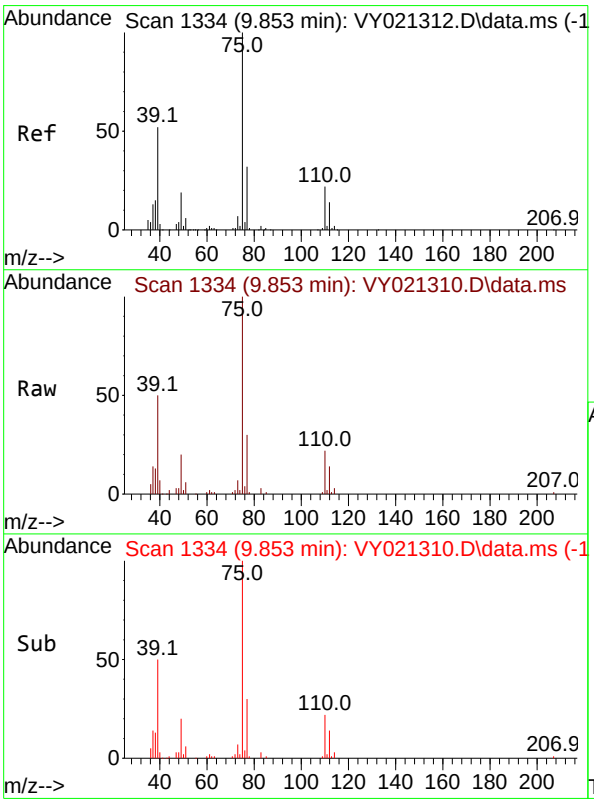
Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.3	37.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

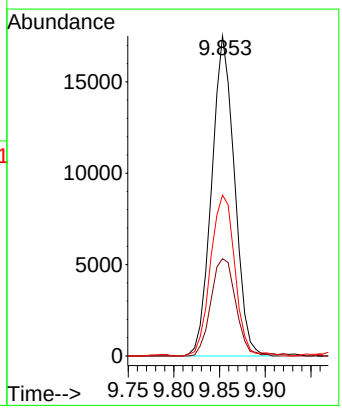


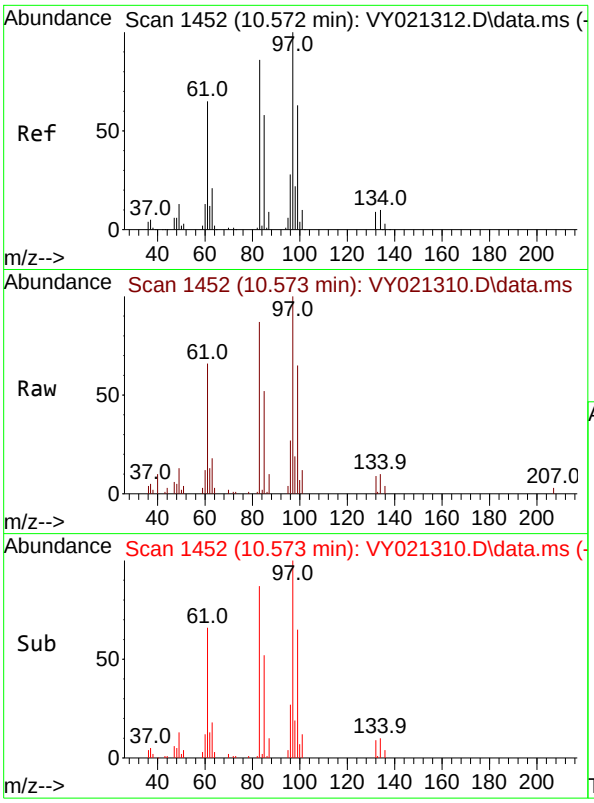


#54
cis-1,3-Dichloropropene
Concen: 9.528 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 30428

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.7	38.5
39	50.2	41.8	62.6

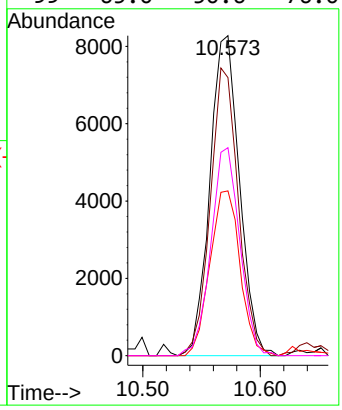




#55
1,1,2-Trichloroethane
Concen: 10.057 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 97 Resp: 1450

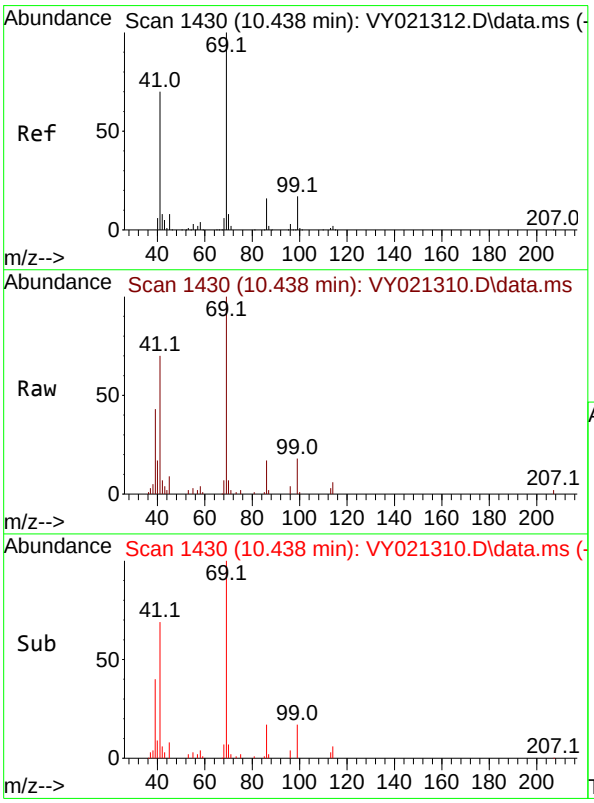
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.7	103.1
85	51.5	46.3	69.5
99	65.0	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

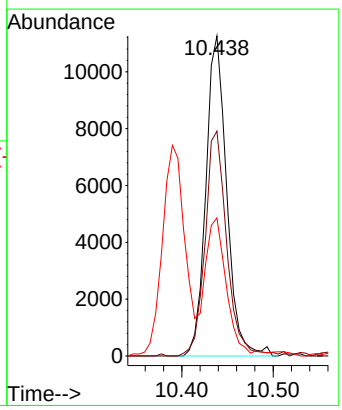
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

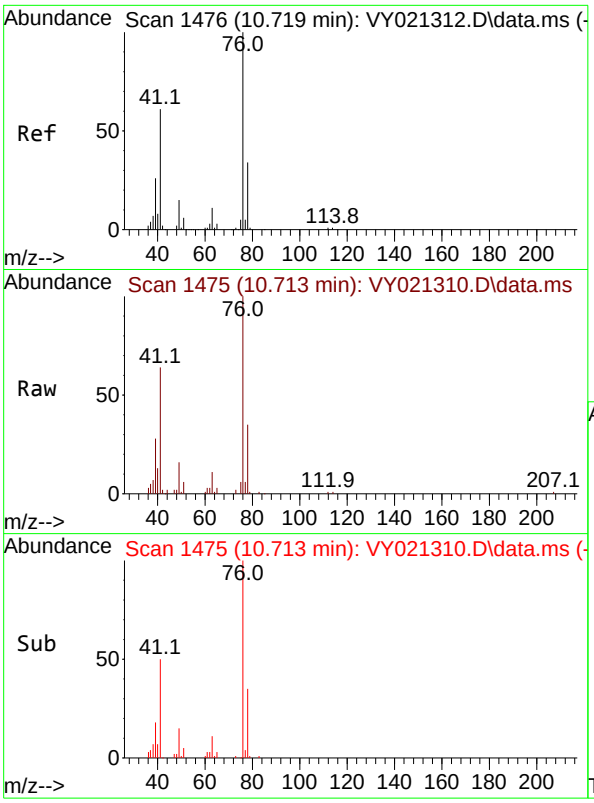


#56
Ethyl methacrylate
Concen: 8.938 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 69 Resp: 17817

Ion	Ratio	Lower	Upper
69	100		
41	73.6	56.2	84.4
39	43.1	32.7	49.1





#57
1,3-Dichloropropane
Concen: 9.784 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

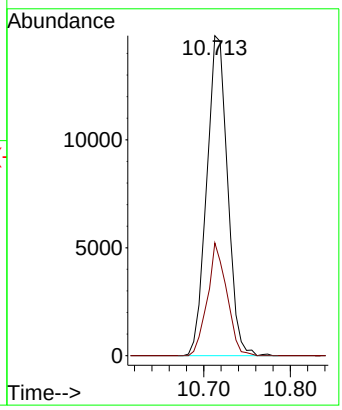
Tgt Ion: 76 Resp: 2476

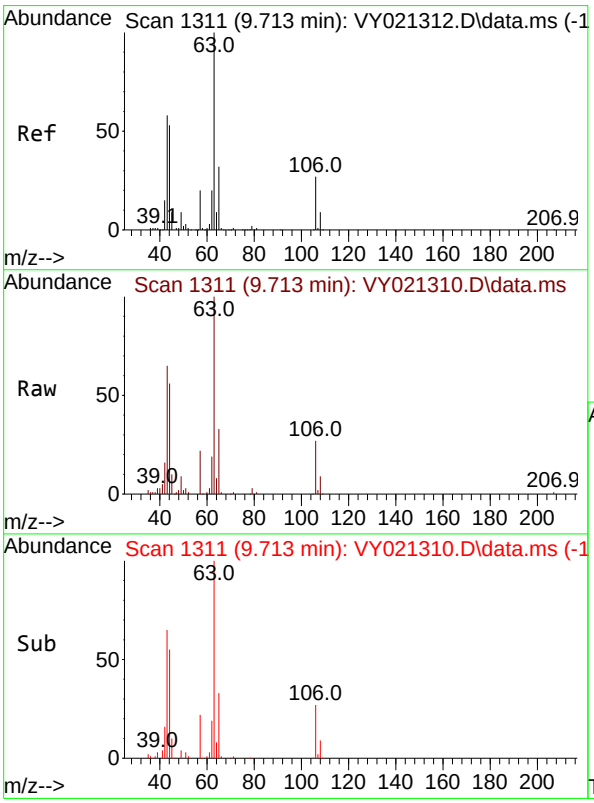
Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

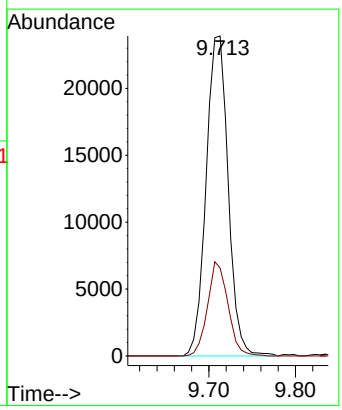


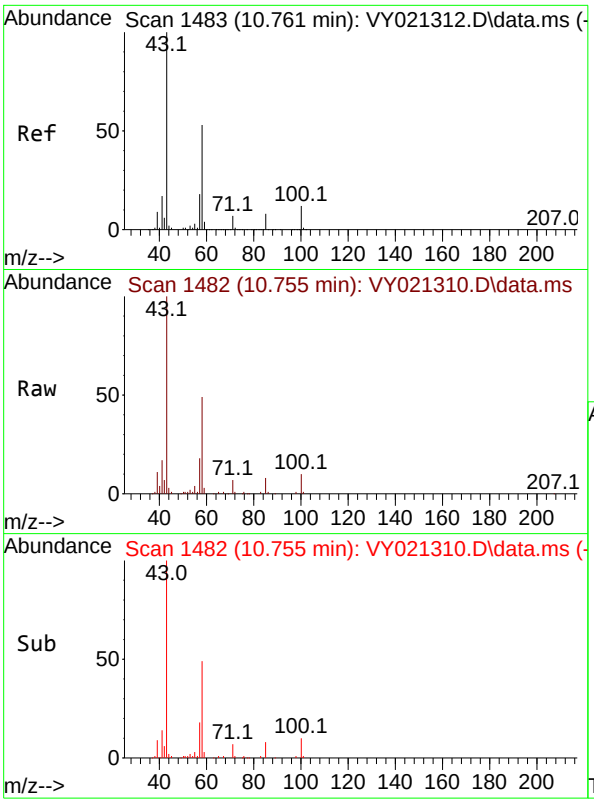


#58
2-Chloroethyl Vinyl ether
Concen: 44.215 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 42304

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.7	32.5





#59
2-Hexanone
Concen: 45.697 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

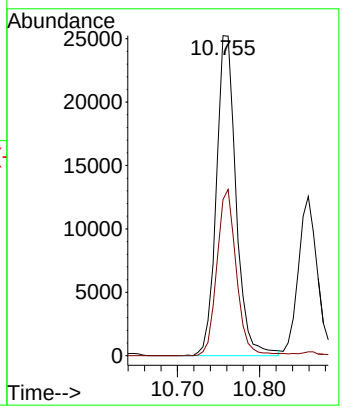
Tgt Ion: 43 Resp: 4212

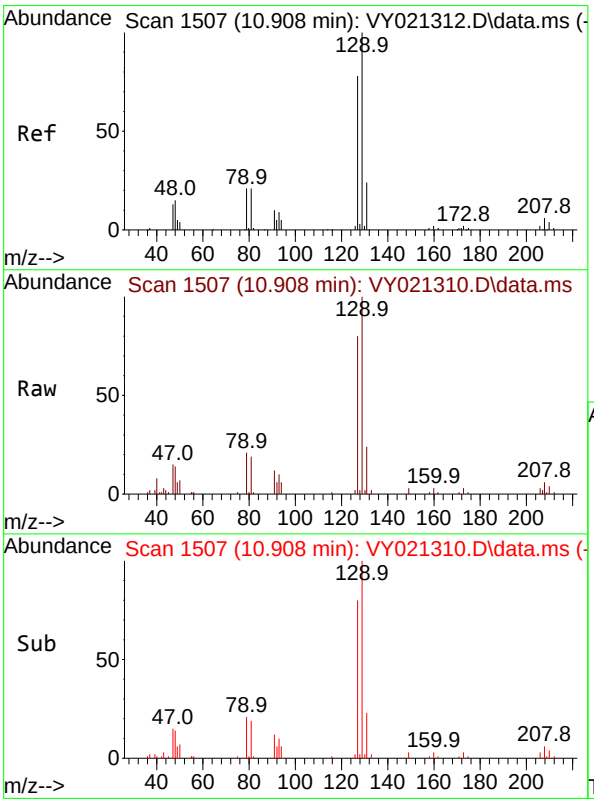
Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

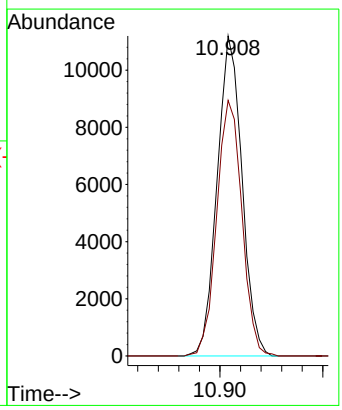


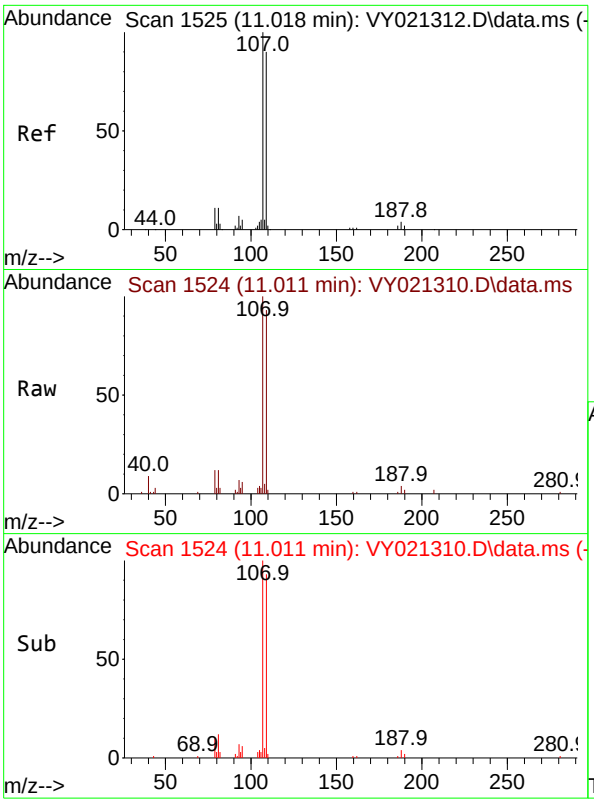


#60
Dibromochloromethane
Concen: 9.565 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:129 Resp: 18793

Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.8	116.4

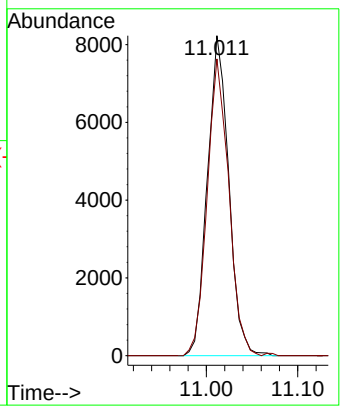




#61
1,2-Dibromoethane
Concen: 9.775 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:107 Resp: 1335

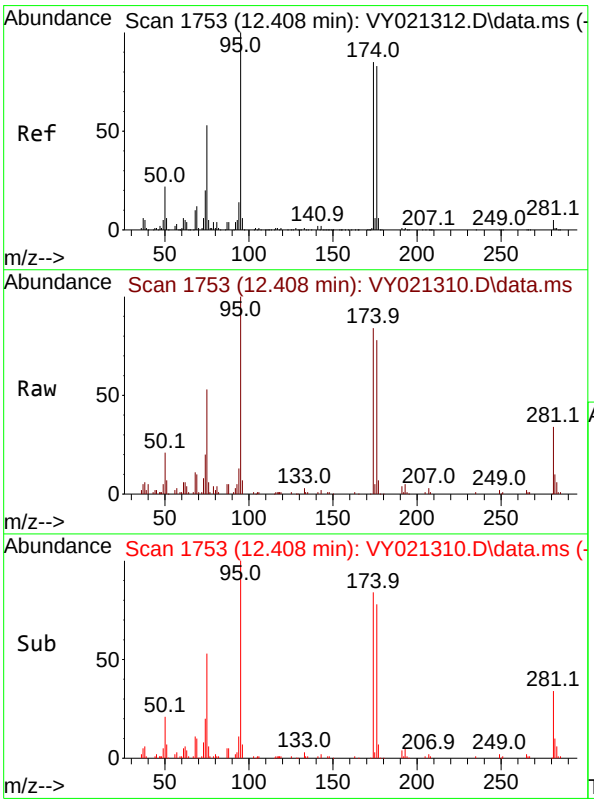
Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

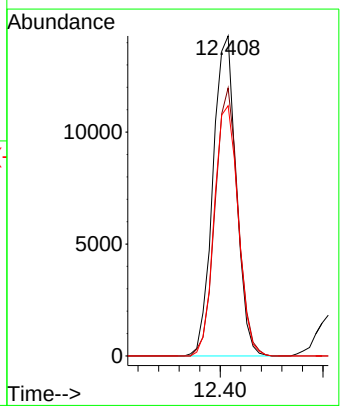
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

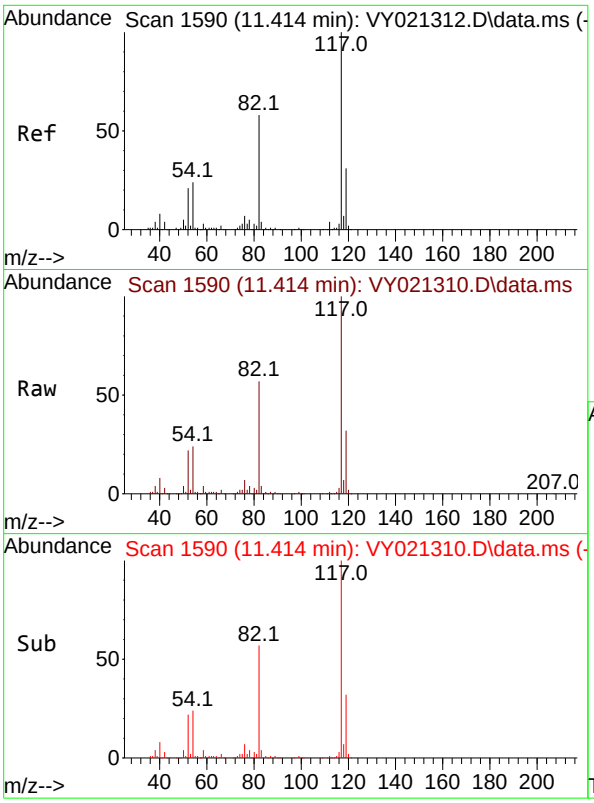


#62
4-Bromofluorobenzene
Concen: 9.069 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 95 Resp: 22364

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	168.0
176	80.9	0.0	162.6

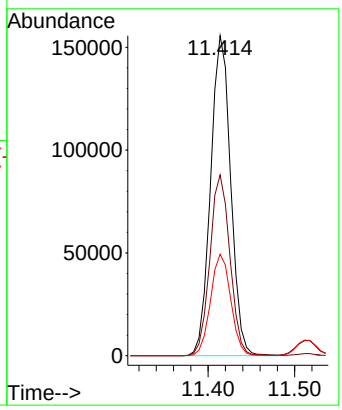




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 25062

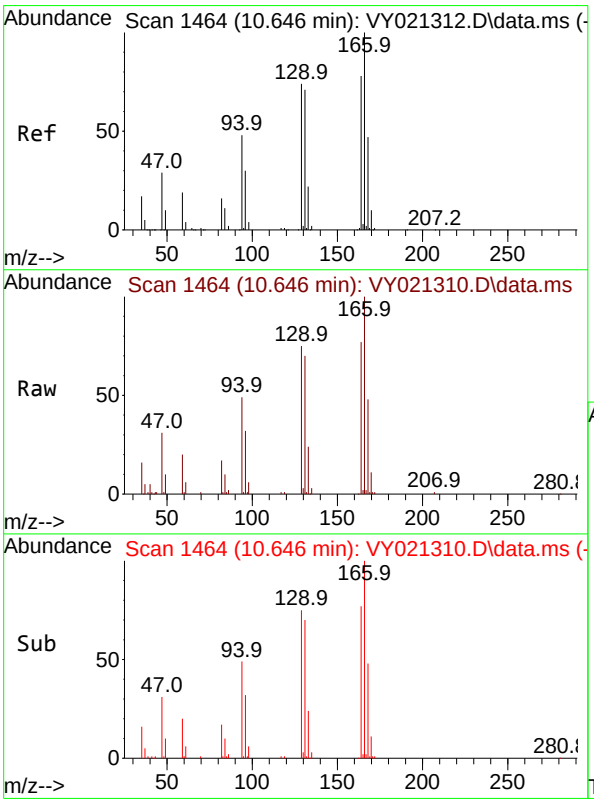
Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.2	69.4
119	31.7	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

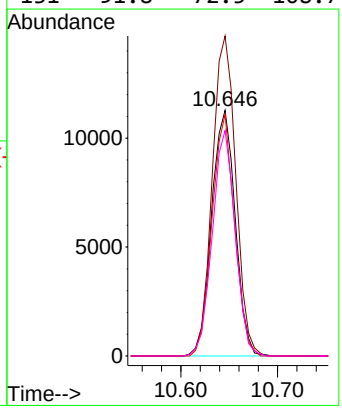
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

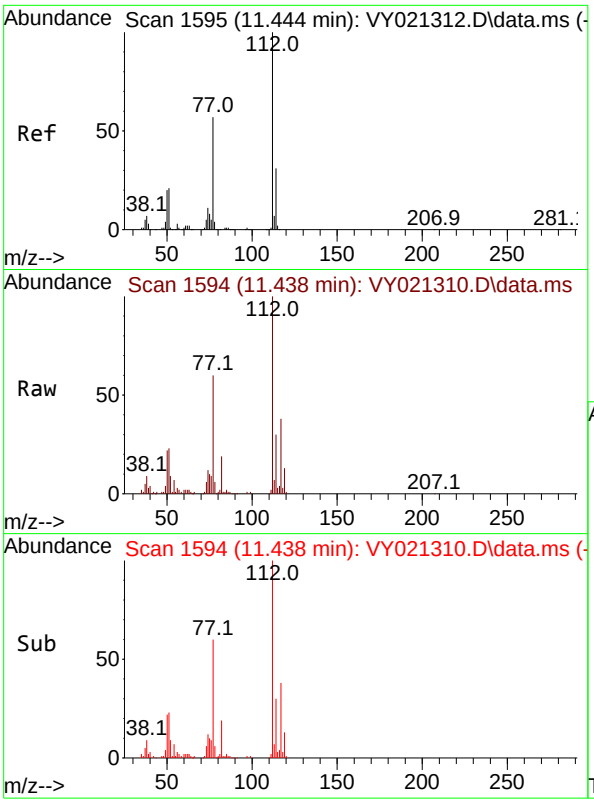


#64
Tetrachloroethene
Concen: 10.064 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:164 Resp: 19065

Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.9	152.9
129	98.3	75.5	113.3
131	91.8	72.5	108.7

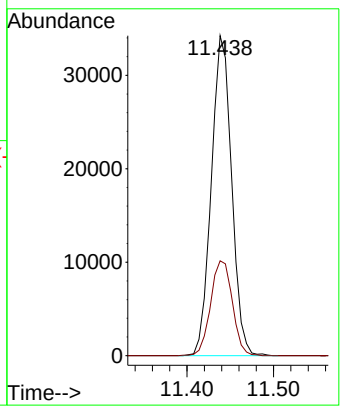




#65
Chlorobenzene
Concen: 9.899 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:112 Resp: 5568

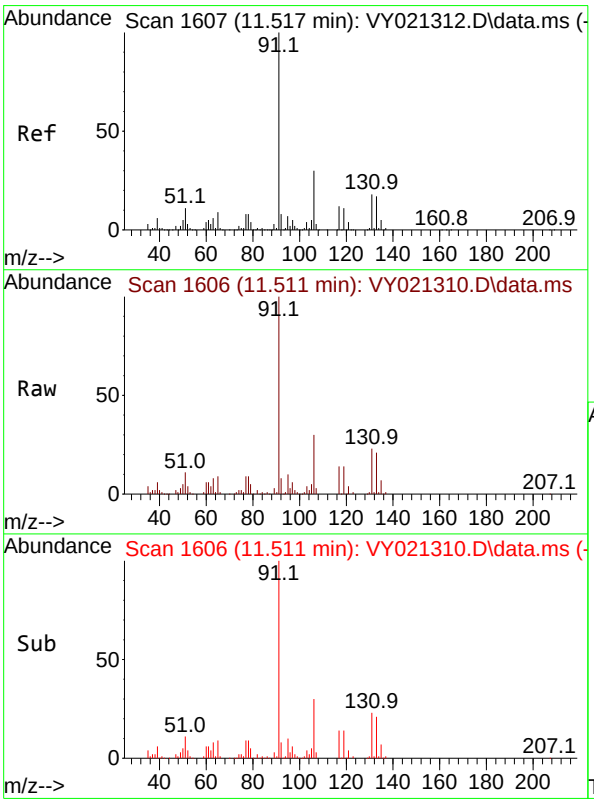
Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

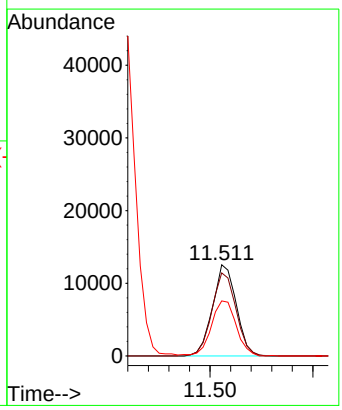
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

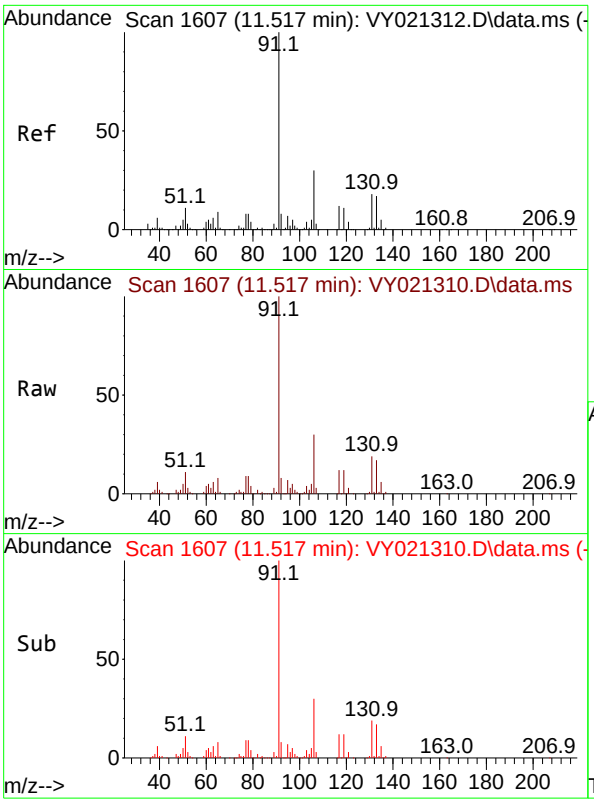


#66
1,1,1,2-Tetrachloroethane
Concen: 10.198 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:131 Resp: 20089

Ion	Ratio	Lower	Upper
131	100		
133	93.0	47.9	143.6
119	62.8	31.7	95.1

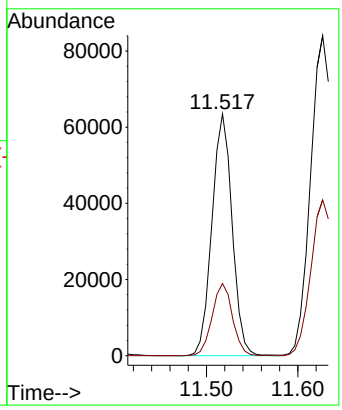




#67
Ethyl Benzene
Concen: 9.764 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 9729

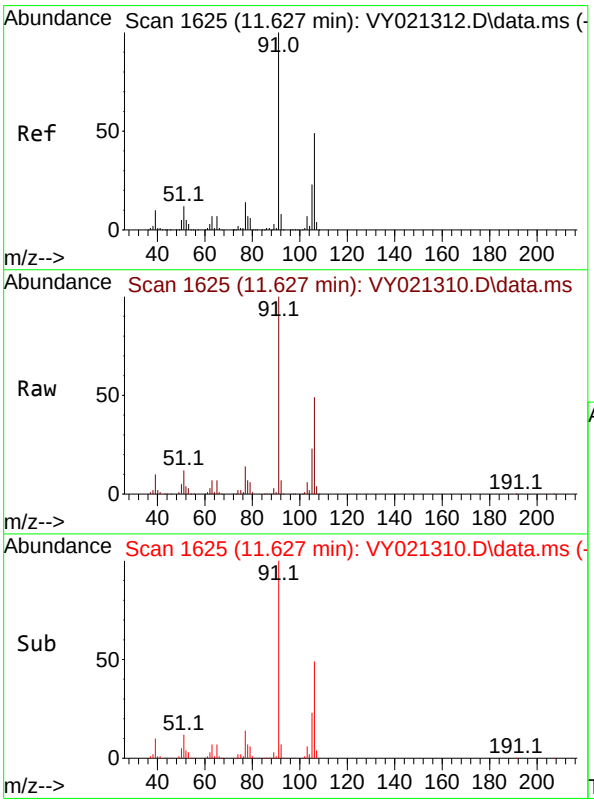
Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

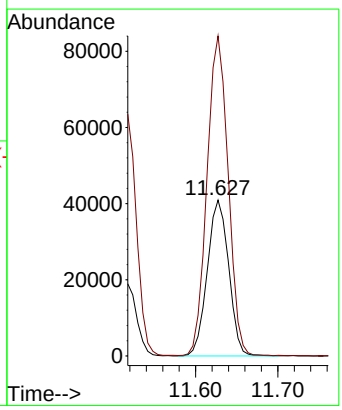
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

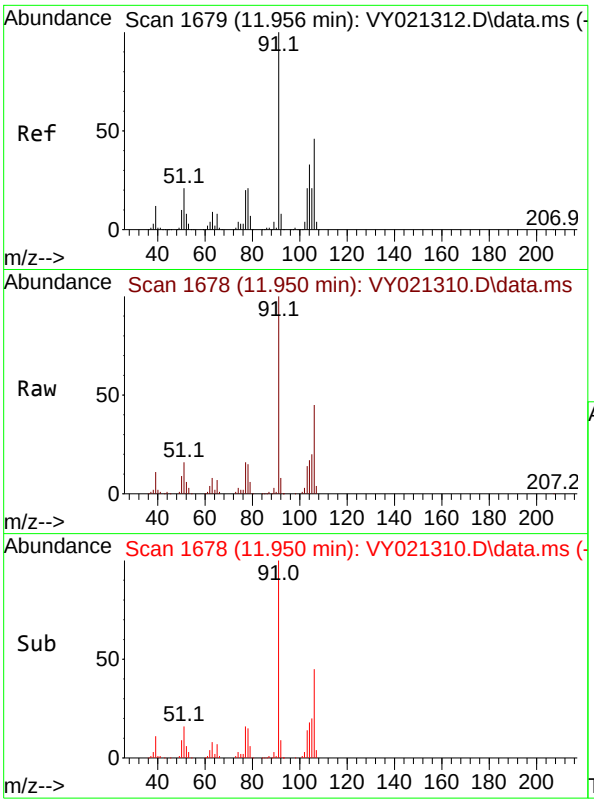


#68
m/p-Xylenes
Concen: 19.740 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:106 Resp: 73991

Ion	Ratio	Lower	Upper
106	100		
91	203.6	163.9	245.9

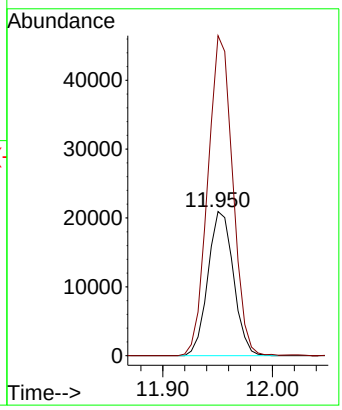




#69
o-Xylene
Concen: 9.632 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:106 Resp: 3382

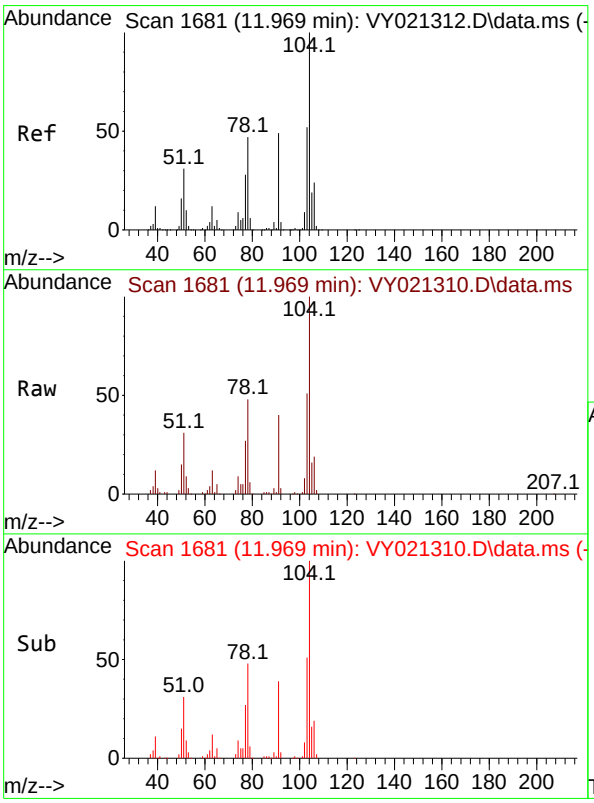
Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

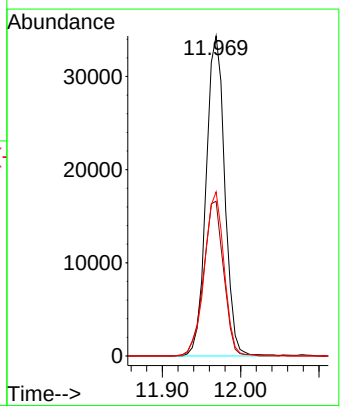
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

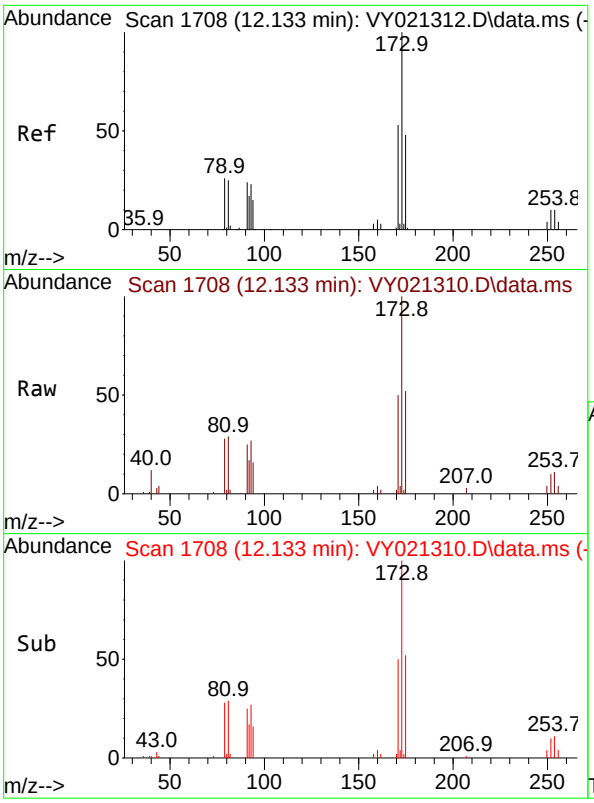


#70
Styrene
Concen: 9.679 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:104 Resp: 56550

Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.3	61.9
103	54.2	43.9	65.9

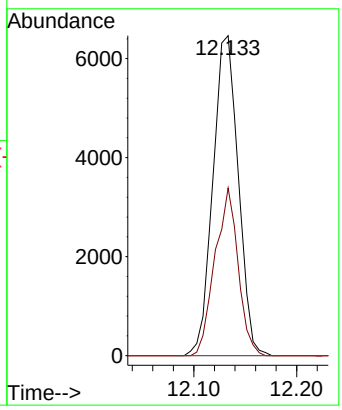




#71
Bromoform
Concen: 9.820 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:173 Resp: 1106

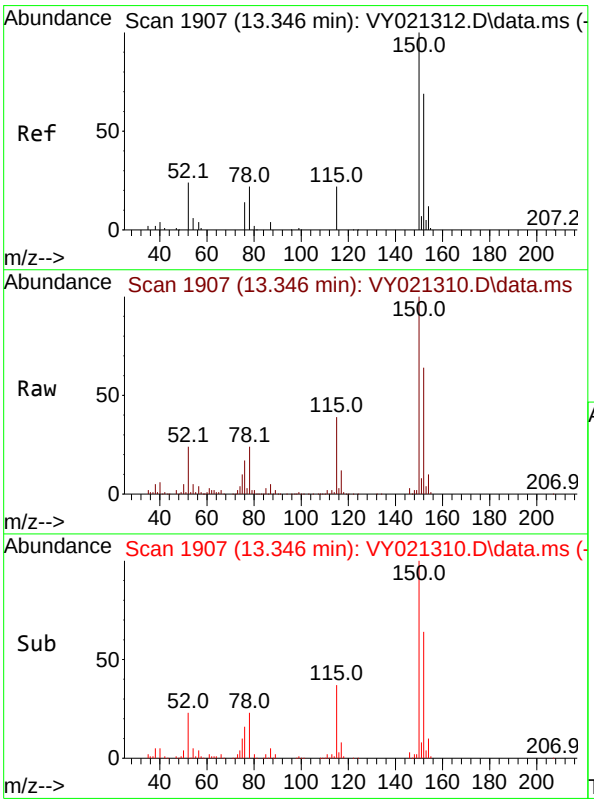
Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

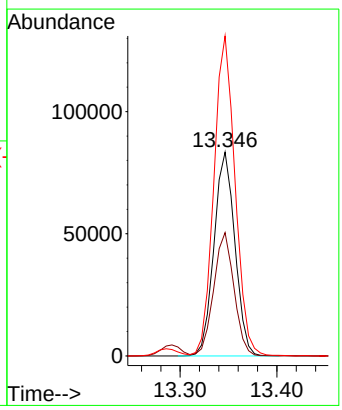
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

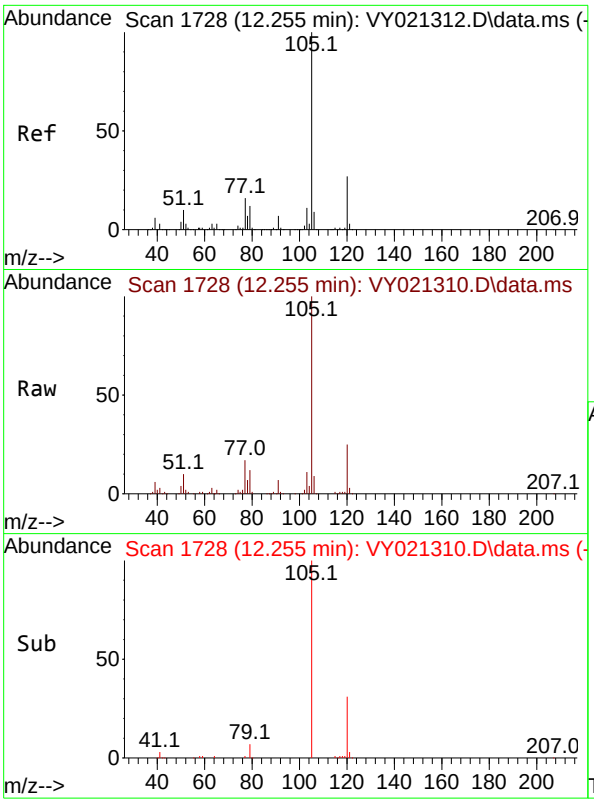


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:152 Resp: 125138

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	159.4	0.0	347.4

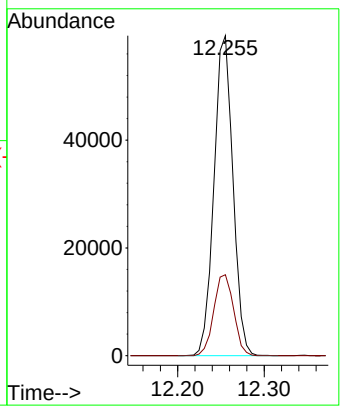




#73
Isopropylbenzene
Concen: 9.590 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 9022

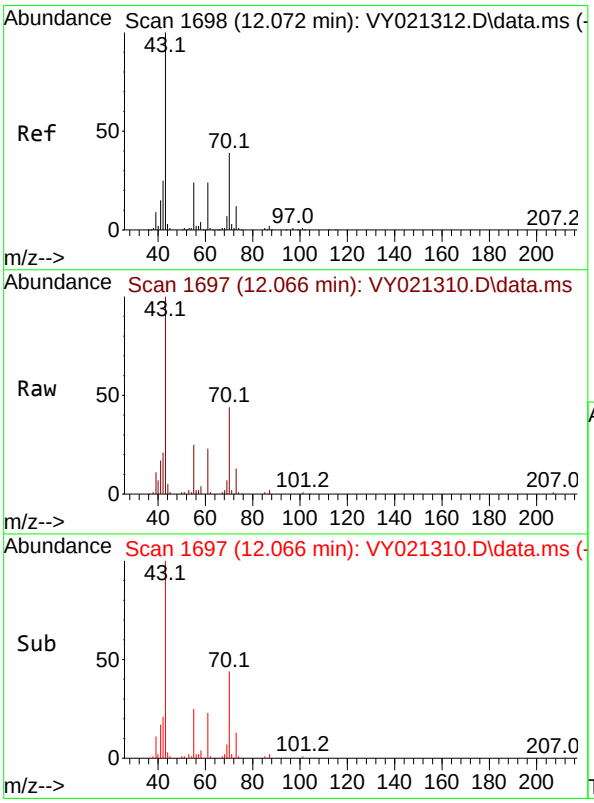
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

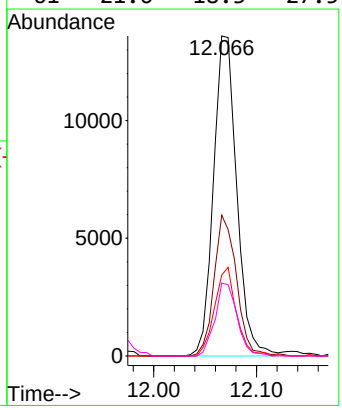
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

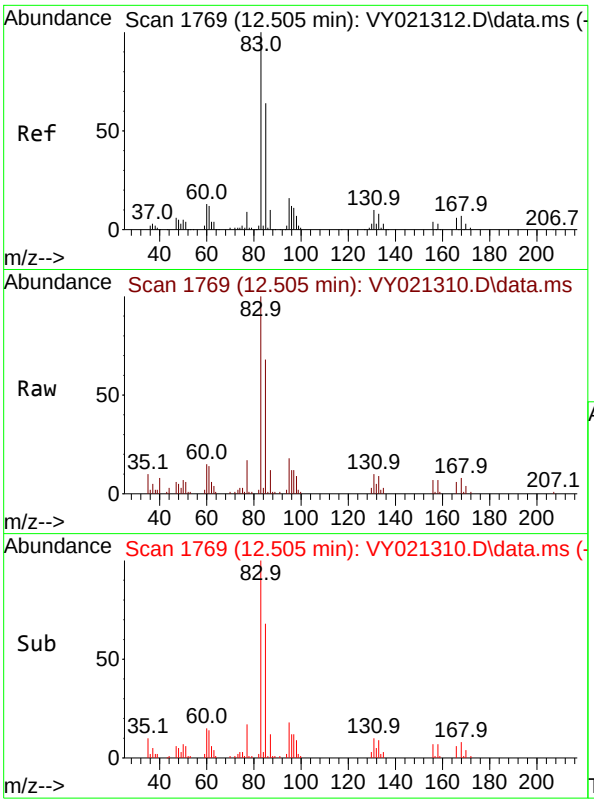


#74
N-amyl acetate
Concen: 8.937 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 21370

Ion	Ratio	Lower	Upper
43	100		
70	42.4	32.2	48.2
55	25.9	19.6	29.4
61	21.6	18.3	27.5

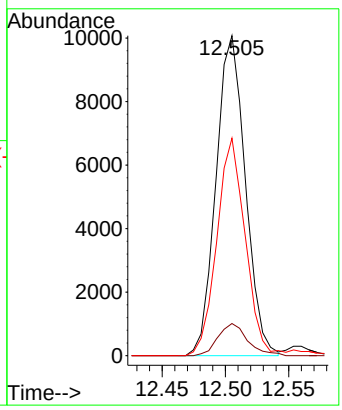




#75
1,1,2,2-Tetrachloroethane
Concen: 9.785 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 1624

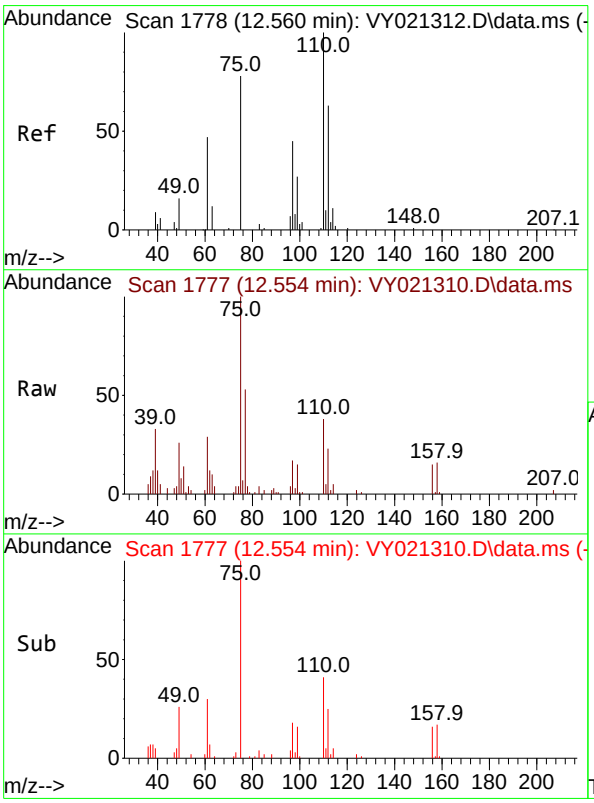
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.2	15.6
85	65.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

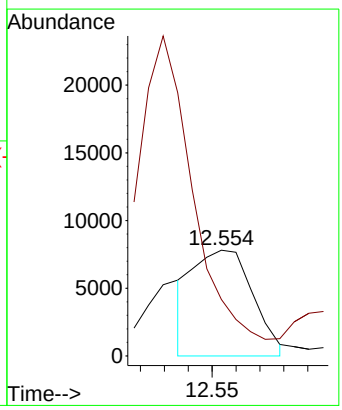
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

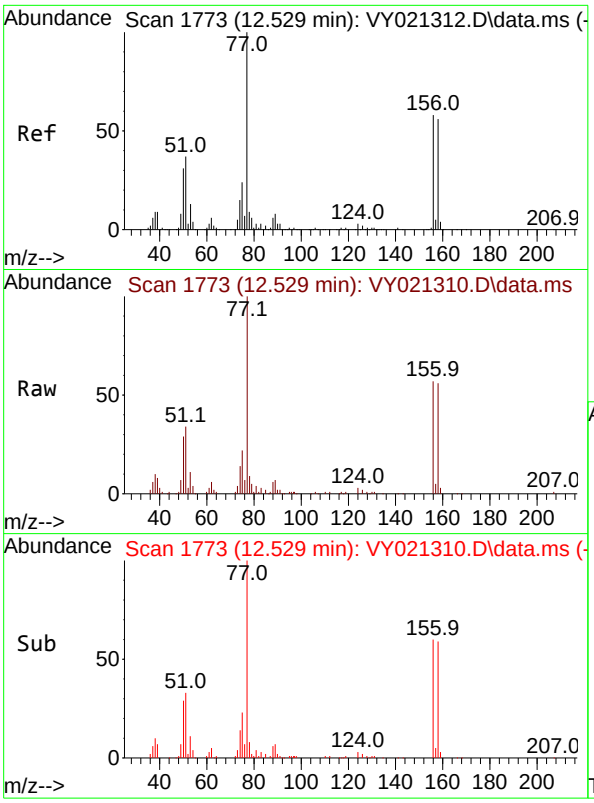


#76
1,2,3-Trichloropropane
Concen: 10.871 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 13699

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

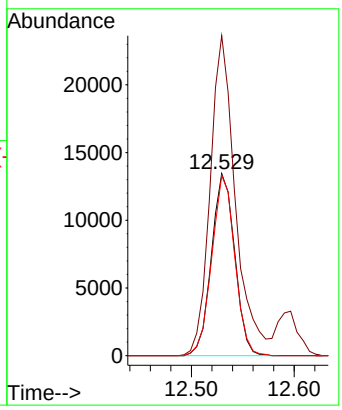




#77
Bromobenzene
Concen: 9.641 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:156 Resp: 2109

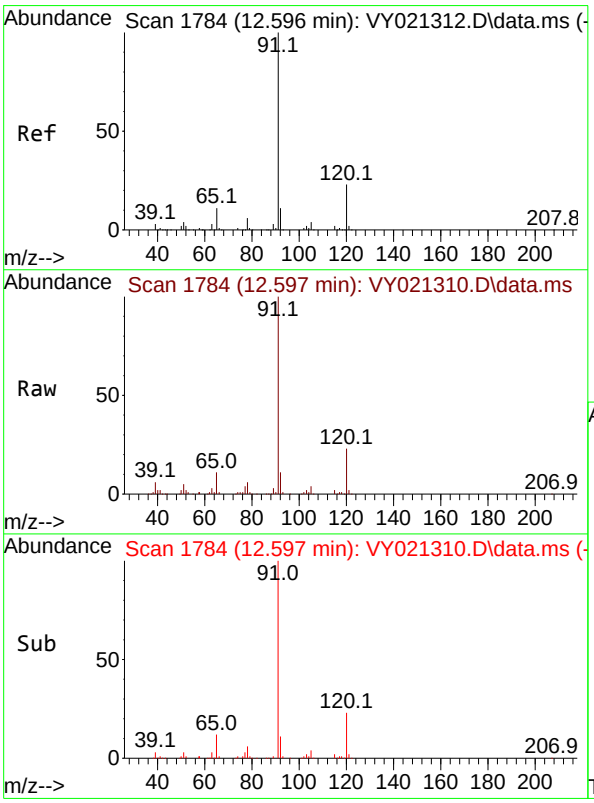
Ion	Ratio	Lower	Upper
156	100		
77	190.2	94.0	282.1
158	98.2	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

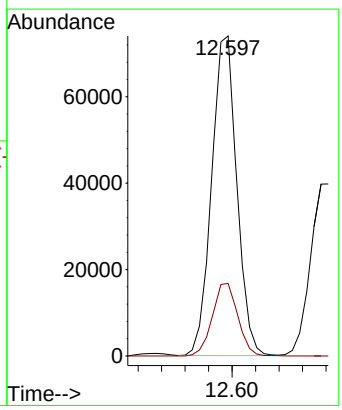
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

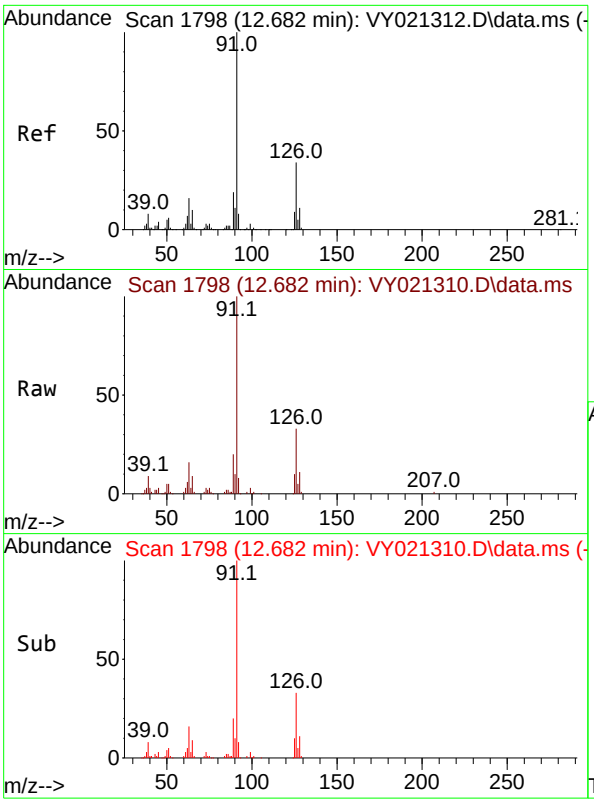


#78
n-propylbenzene
Concen: 9.652 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 110190

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.2	33.5





#79
2-Chlorotoluene
Concen: 9.771 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

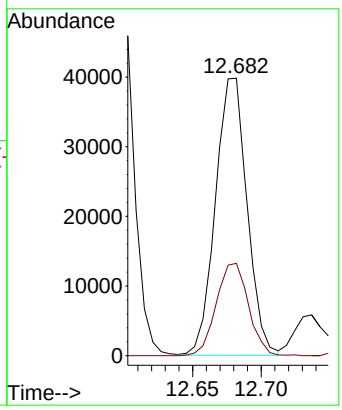
Tgt Ion: 91 Resp: 6401

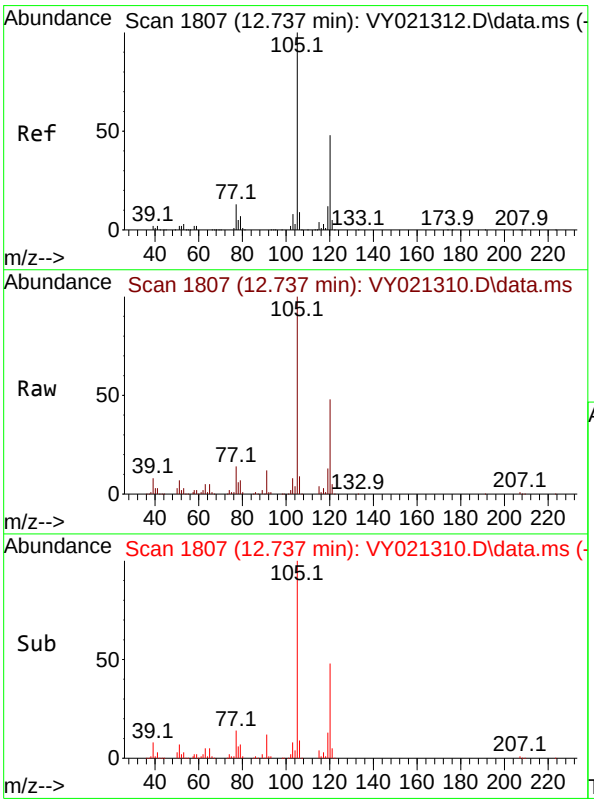
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

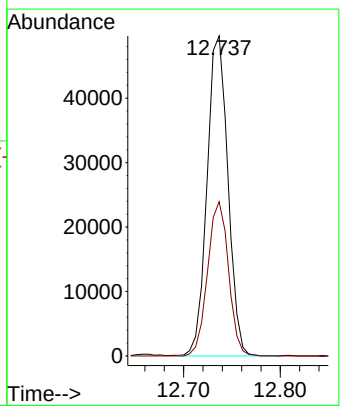


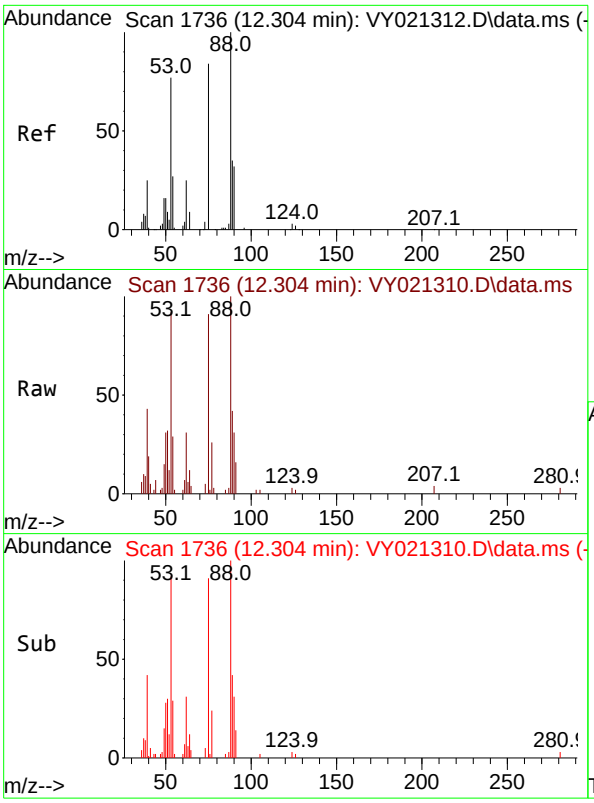


#80
1,3,5-Trimethylbenzene
Concen: 9.655 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74498

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 9.295 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

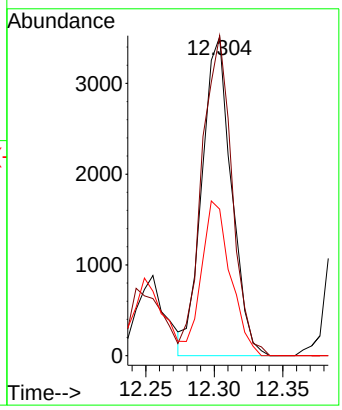
Tgt Ion: 75 Resp: 523

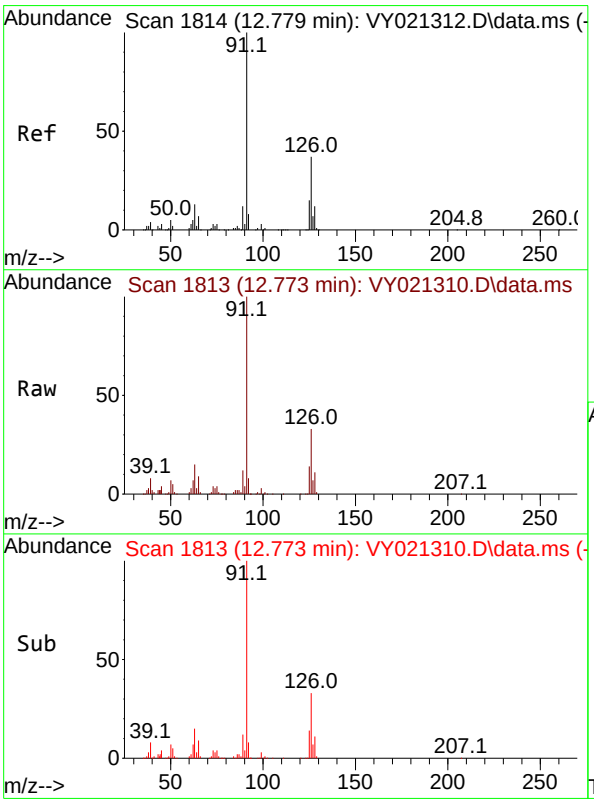
Ion	Ratio	Lower	Upper
75	100		
53	102.5	79.1	118.7
89	47.3	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

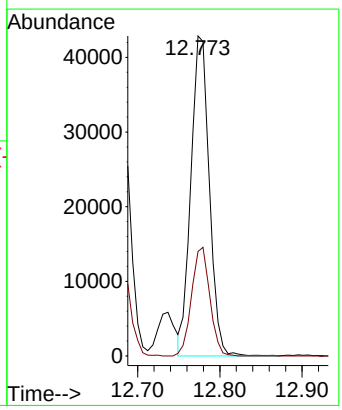


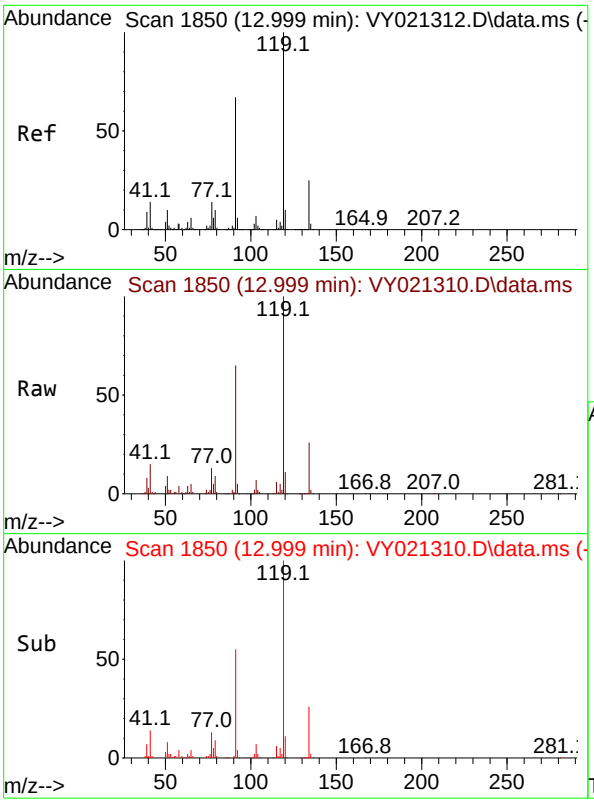


#82
4-Chlorotoluene
Concen: 9.821 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 66701

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

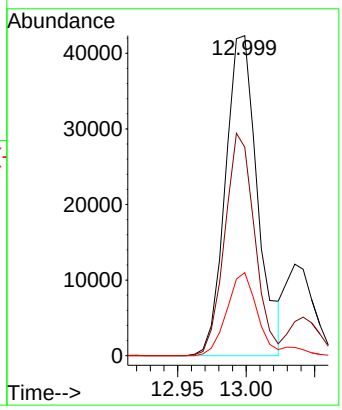




#83
tert-Butylbenzene
Concen: 9.886 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:119 Resp: 6890

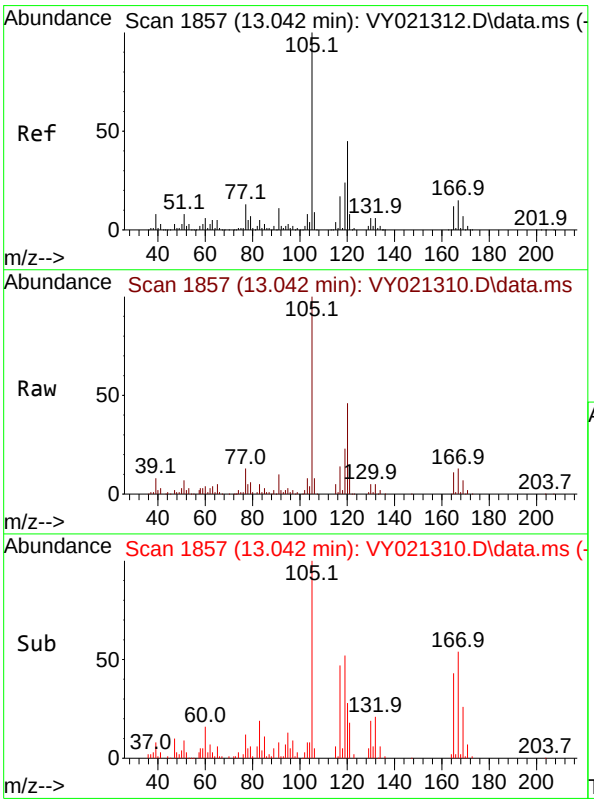
Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.7	98.1
134	26.3	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

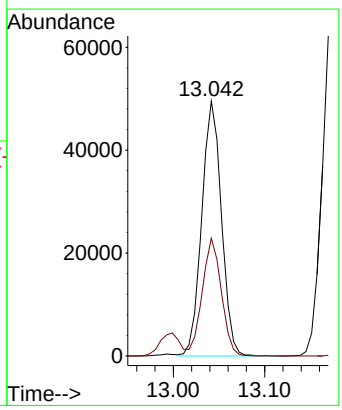
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

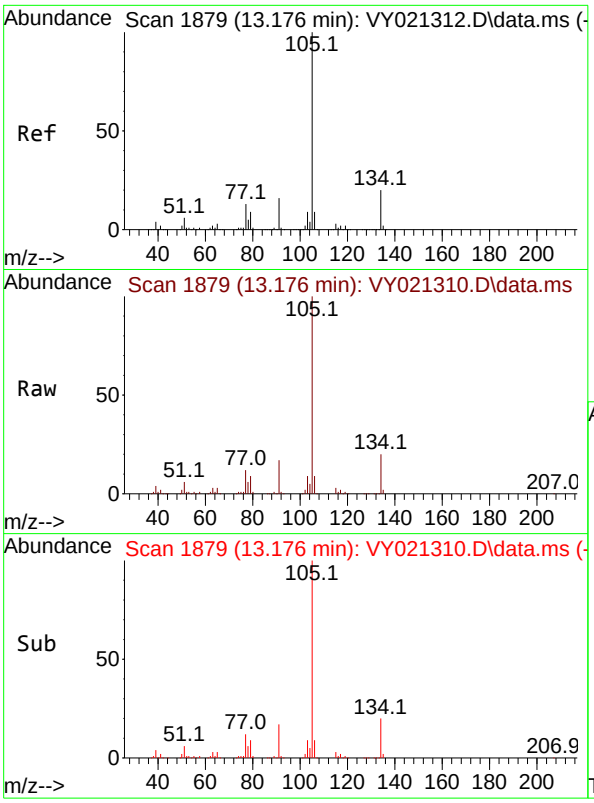


#84
1,2,4-Trimethylbenzene
Concen: 9.647 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74032

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3





#85
sec-Butylbenzene
Concen: 9.841 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

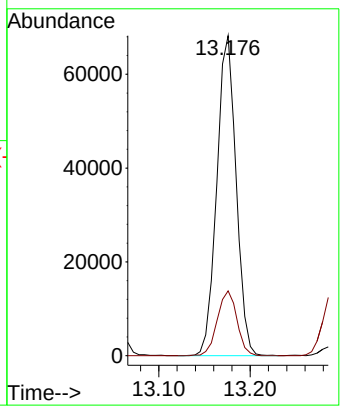
Tgt Ion:105 Resp: 10018

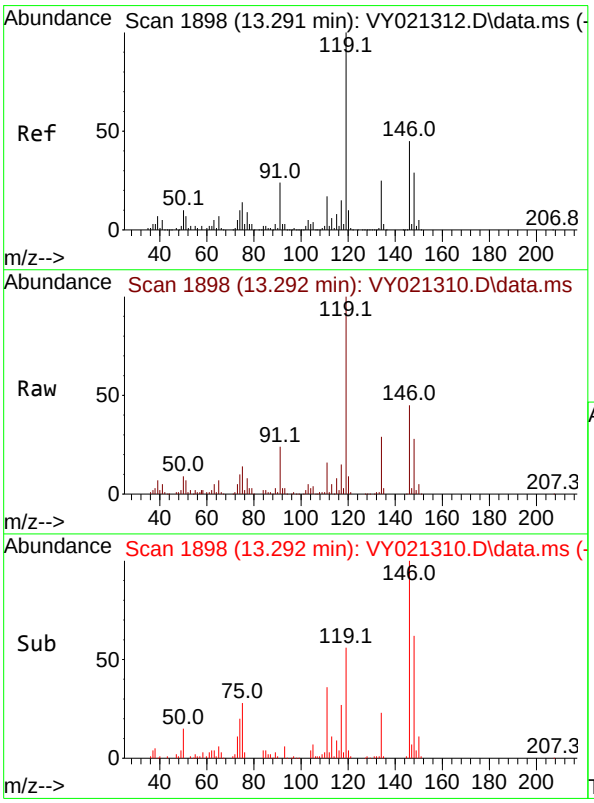
Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

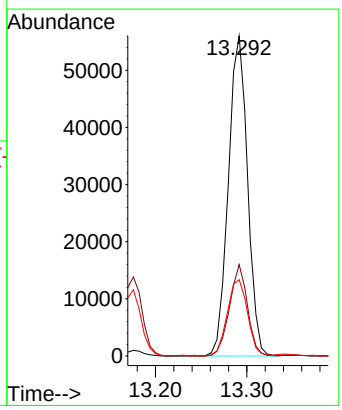


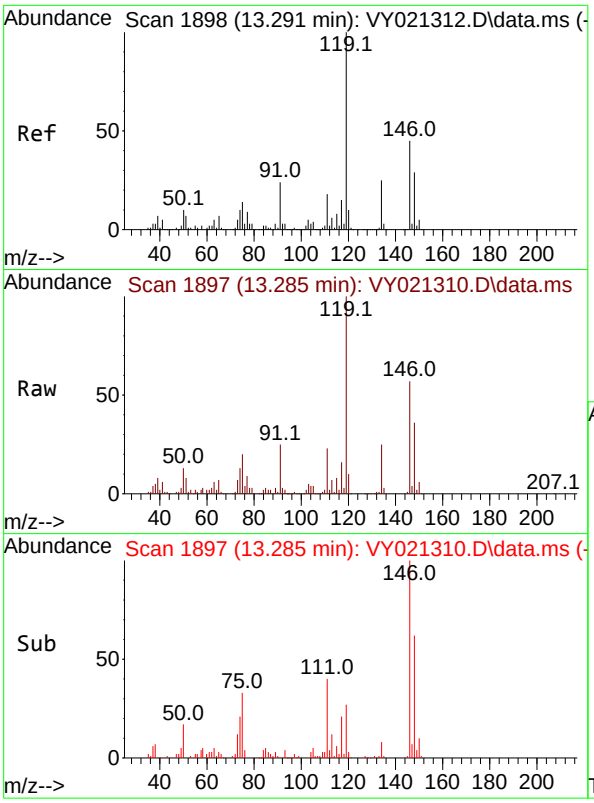


#86
p-Isopropyltoluene
Concen: 9.619 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:119 Resp: 81769

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.0	38.9
91	25.1	12.0	36.1





#87
1,3-Dichlorobenzene
Concen: 9.996 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

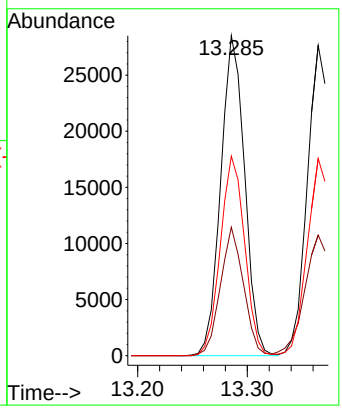
Tgt Ion:146 Resp: 4326

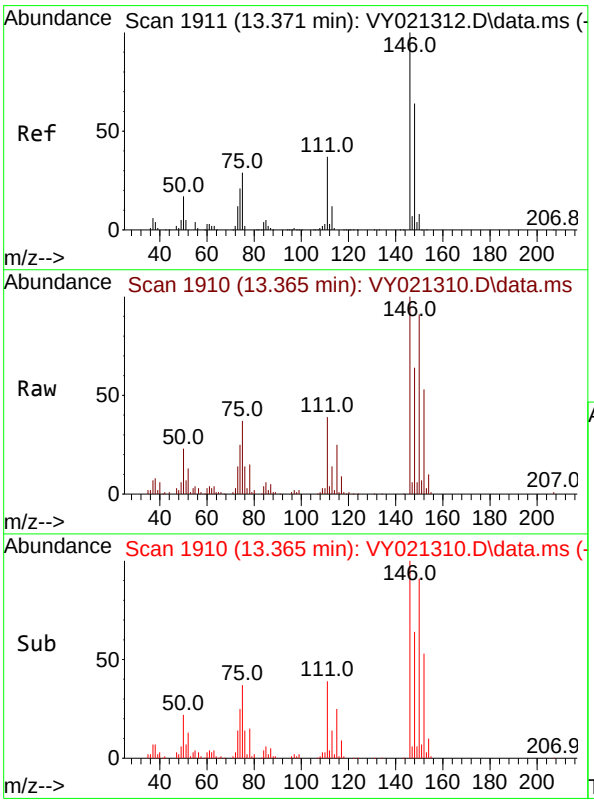
Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.0	59.9
148	63.2	31.9	95.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

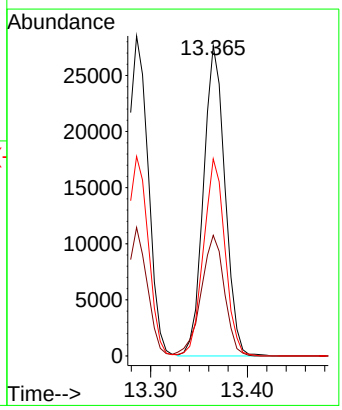


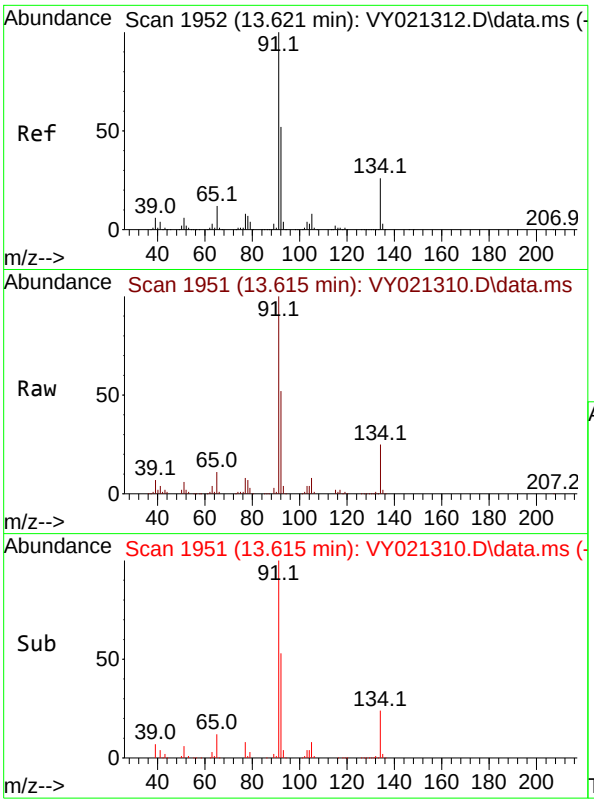


#88
1,4-Dichlorobenzene
Concen: 10.006 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 42788

Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.5	58.5
148	63.5	32.0	96.2

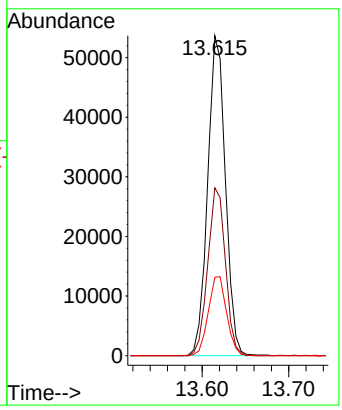




#89
n-Butylbenzene
Concen: 9.541 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 7632

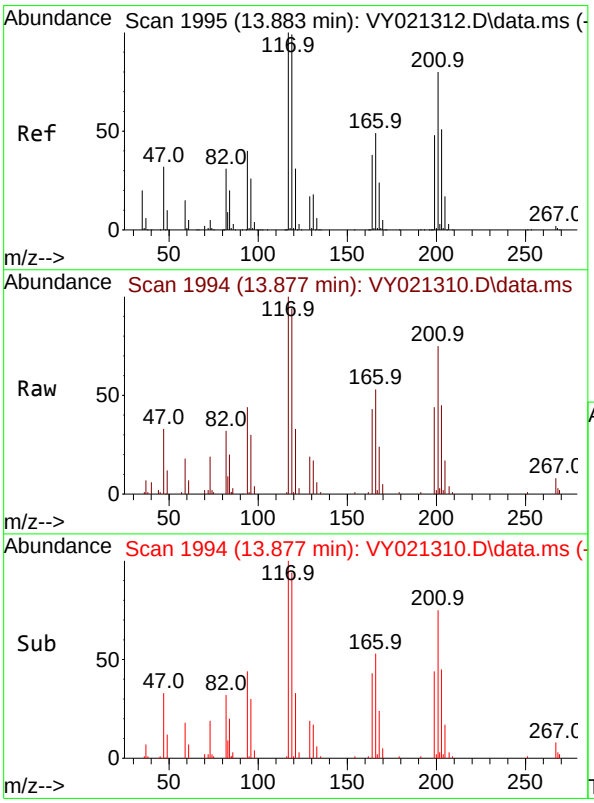
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	25.5	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

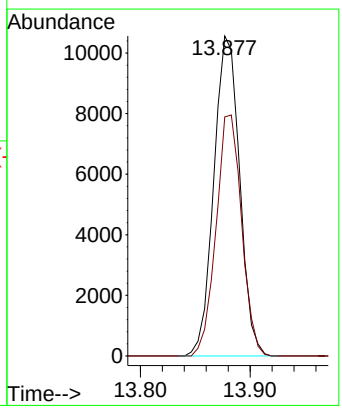
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

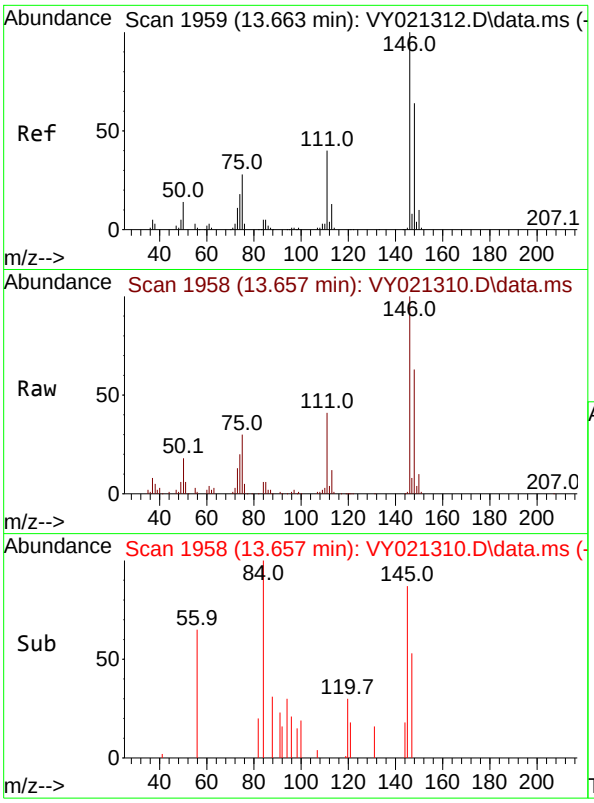


#90
Hexachloroethane
Concen: 9.721 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 17261

Ion	Ratio	Lower	Upper
117	100		
201	74.6	38.4	115.2

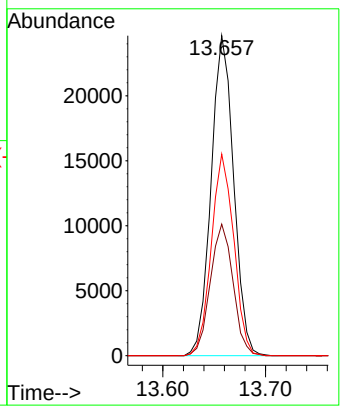




#91
1,2-Dichlorobenzene
Concen: 9.894 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 3752

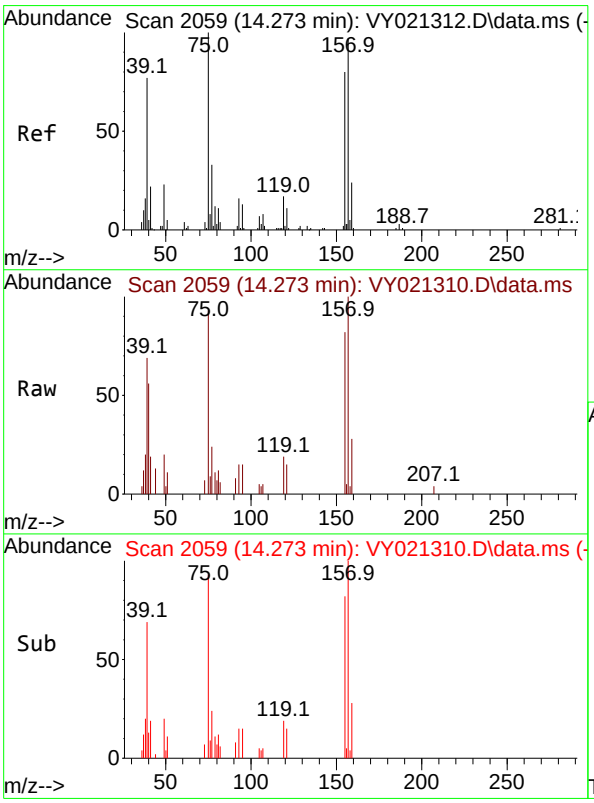
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	62.8	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

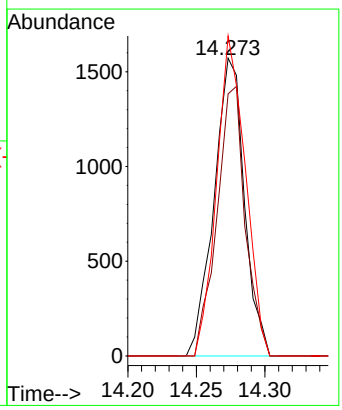
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

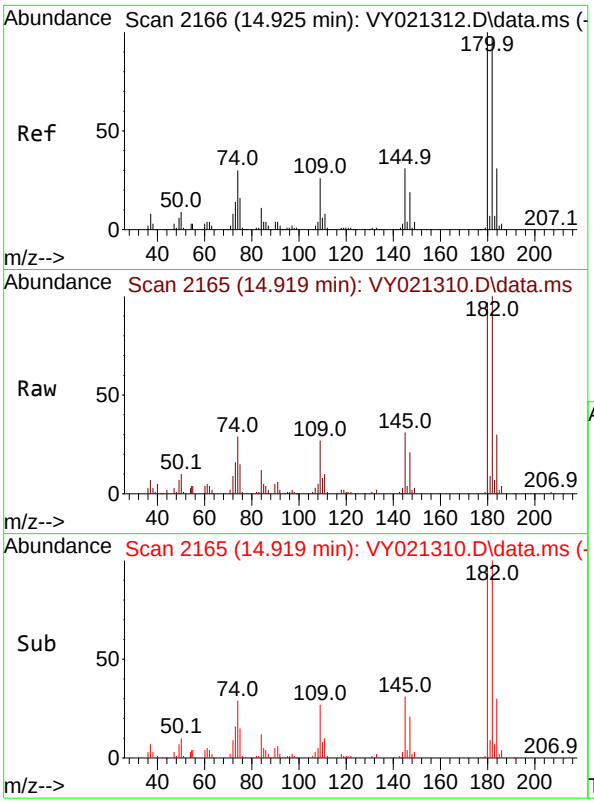


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.229 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 2424

Ion	Ratio	Lower	Upper
75	100		
155	84.3	41.9	125.6
157	101.6	52.5	157.6

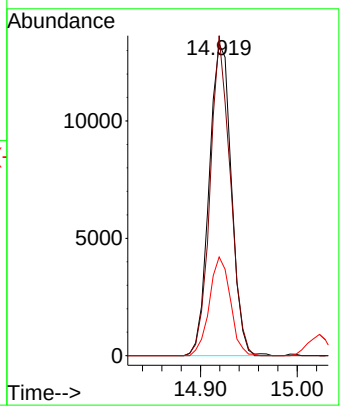




#93
1,2,4-Trichlorobenzene
Concen: 9.174 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:180 Resp: 2123

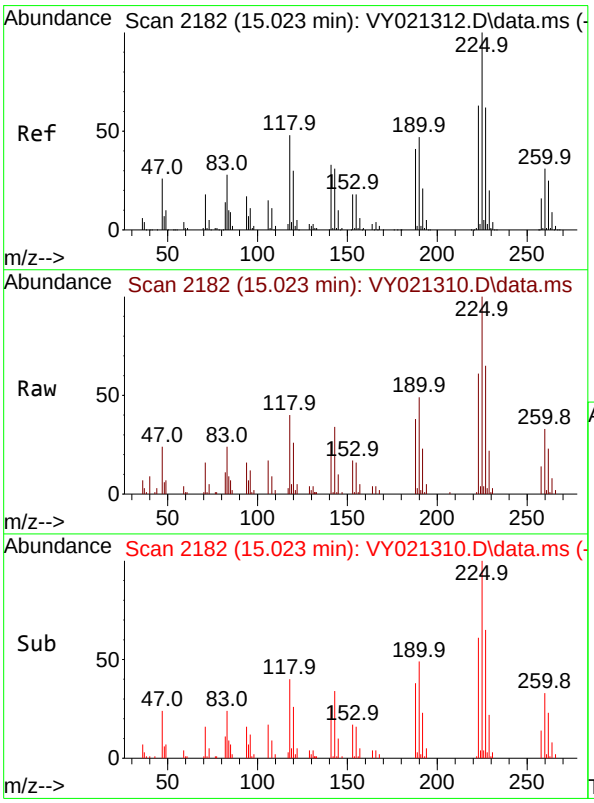
Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.9	143.7
145	29.9	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

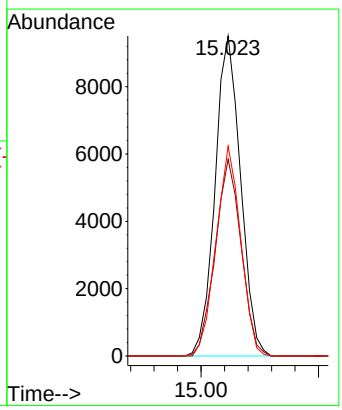
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

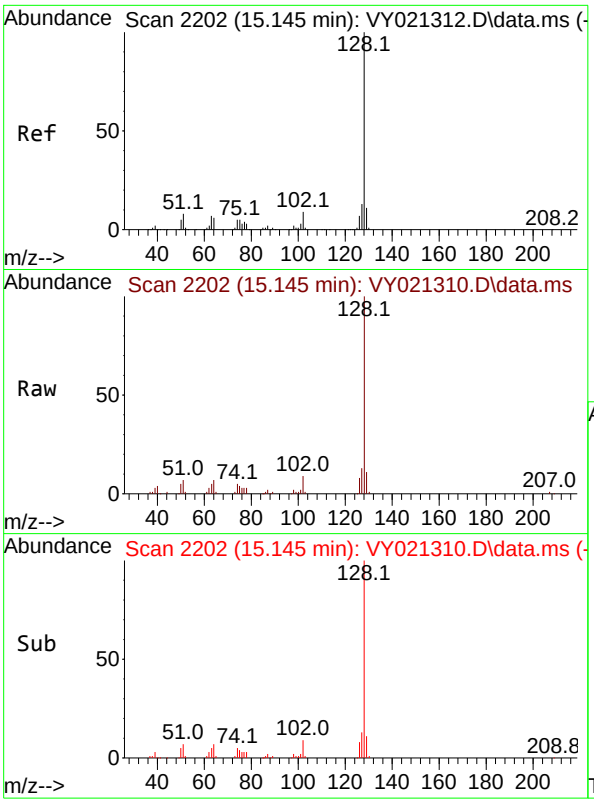


#94
Hexachlorobutadiene
Concen: 9.845 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:225 Resp: 14346

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.8	95.4
227	63.4	31.9	95.7

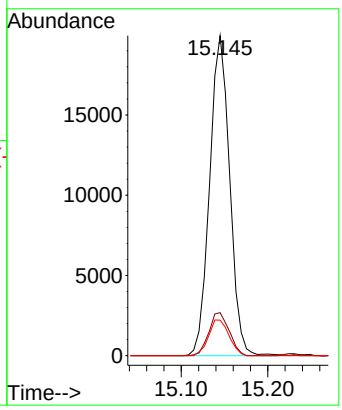




#95
Naphthalene
Concen: 8.371 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:128 Resp: 3209

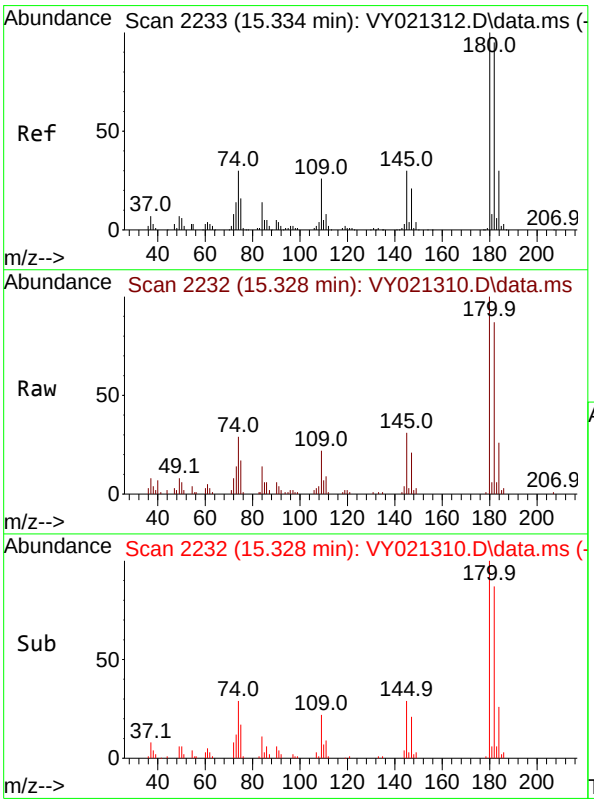
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.4	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

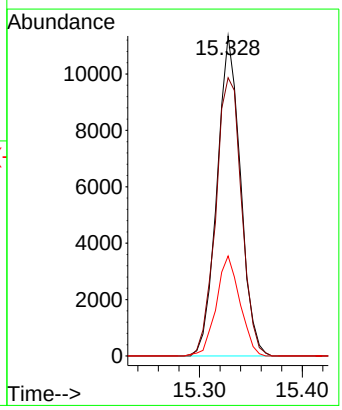
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.195 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:180 Resp: 17983

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.9
145	31.4	16.1	48.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	188363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	293434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	258896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	130546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	41320	19.337	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.680%#		
35) Dibromofluoromethane	7.634	113	37265	19.371	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.740%#		
50) Toluene-d8	10.103	98	144409	19.423	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.840%#		
62) 4-Bromofluorobenzene	12.408	95	47417	18.950	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	37.900%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	32511	18.204	ug/l	96
3) Chloromethane	2.068	50	42633	18.484	ug/l	97
4) Vinyl Chloride	2.202	62	41719	18.429	ug/l	100
5) Bromomethane	2.586	94	27198	18.079	ug/l	98
6) Chloroethane	2.726	64	26161	18.635	ug/l	99
7) Trichlorofluoromethane	3.056	101	63170	18.477	ug/l	95
8) Diethyl Ether	3.452	74	19564	19.066	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	37017	18.701	ug/l	99
10) Methyl Iodide	4.001	142	36945	17.741	ug/l	99
11) Tert butyl alcohol	4.860	59	15935	96.952	ug/l	96
12) 1,1-Dichloroethene	3.787	96	34827	18.376	ug/l	98
13) Acrolein	3.647	56	22079	175.300	ug/l	100
14) Allyl chloride	4.379	41	61887	18.417	ug/l	98
15) Acrylonitrile	5.061	53	43763	96.460	ug/l	99
16) Acetone	3.866	43	35506	86.623	ug/l	96
17) Carbon Disulfide	4.104	76	116030	18.437	ug/l	99
18) Methyl Acetate	4.379	43	19534	19.500	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	95488	19.069	ug/l	97
20) Methylene Chloride	4.616	84	40630	18.331	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	38218	18.317	ug/l	98
22) Diisopropyl ether	6.019	45	132039	18.989	ug/l	97
23) Vinyl Acetate	5.958	43	393629	94.730	ug/l	99
24) 1,1-Dichloroethane	5.909	63	72428	18.480	ug/l	99
25) 2-Butanone	6.890	43	58941	95.278	ug/l	98
26) 2,2-Dichloropropane	6.884	77	63686	17.908	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	44297	18.592	ug/l	98
28) Bromochloromethane	7.244	49	32987	19.022	ug/l	99
29) Tetrahydrofuran	7.256	42	39775	98.365	ug/l	98
30) Chloroform	7.421	83	73639	18.543	ug/l	96
31) Cyclohexane	7.701	56	68531	18.191	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	67011	18.538	ug/l	98
36) 1,1-Dichloropropene	7.835	75	53995	18.685	ug/l	100
37) Ethyl Acetate	6.982	43	27188	18.914	ug/l	98
38) Carbon Tetrachloride	7.817	117	59733	18.387	ug/l	98
39) Methylcyclohexane	9.103	83	68516	18.746	ug/l	98
40) Benzene	8.079	78	159536	18.676	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	14108	17.554	ug/l		92
42) 1,2-Dichloroethane	8.152	62	46152	19.043	ug/l		99
43) Isopropyl Acetate	8.195	43	54484	19.583	ug/l		98
44) Trichloroethene	8.866	130	40005	18.706	ug/l		93
45) 1,2-Dichloropropane	9.140	63	38611	18.782	ug/l		100
46) Dibromomethane	9.231	93	21421	19.063	ug/l		99
47) Bromodichloromethane	9.420	83	56033	18.701	ug/l		98
48) Methyl methacrylate	9.219	41	24461	18.801	ug/l		97
49) 1,4-Dioxane	9.225	88	5308	424.825	ug/l		90
51) 4-Methyl-2-Pentanone	10.000	43	140187	98.430	ug/l		100
52) Toluene	10.170	92	100050	18.854	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	50957	18.563	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	61967	19.122	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	27942	19.088	ug/l		99
56) Ethyl methacrylate	10.438	69	36997	18.291	ug/l		95
57) 1,3-Dichloropropane	10.713	76	49499	19.270	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	93377	96.179	ug/l		100
59) 2-Hexanone	10.762	43	90882	97.163	ug/l		100
60) Dibromochloromethane	10.908	129	37808	18.964	ug/l		99
61) 1,2-Dibromoethane	11.012	107	26519	19.135	ug/l		99
64) Tetrachloroethene	10.646	164	36387	18.595	ug/l		97
65) Chlorobenzene	11.438	112	107621	18.519	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	37487	18.422	ug/l		99
67) Ethyl Benzene	11.518	91	189052	18.366	ug/l		99
68) m/p-Xylenes	11.627	106	144073	37.210	ug/l		99
69) o-Xylene	11.950	106	67060	18.488	ug/l		100
70) Styrene	11.969	104	113033	18.729	ug/l		99
71) Bromoform	12.133	173	21886	18.800	ug/l	#	99
73) Isopropylbenzene	12.255	105	179489	18.288	ug/l		99
74) N-amyl acetate	12.072	43	47224	18.930	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	32419	18.717	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	23402m	17.801	ug/l		
77) Bromobenzene	12.530	156	42078	18.433	ug/l		99
78) n-propylbenzene	12.597	91	220158	18.486	ug/l		100
79) 2-Chlorotoluene	12.676	91	125969	18.430	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	150004	18.635	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	10866	18.483	ug/l		99
82) 4-Chlorotoluene	12.780	91	130335	18.396	ug/l		100
83) tert-Butylbenzene	12.999	119	135829	18.681	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	149358	18.657	ug/l		99
85) sec-Butylbenzene	13.176	105	196335	18.486	ug/l		100
86) p-Isopropyltoluene	13.292	119	165127	18.620	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	83463	18.483	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	83179	18.646	ug/l		99
89) n-Butylbenzene	13.615	91	153032	18.337	ug/l		100
90) Hexachloroethane	13.877	117	33341	17.998	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	73513	18.581	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5181	18.908	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	42908	17.770	ug/l		99
94) Hexachlorobutadiene	15.023	225	27015	17.771	ug/l		99
95) Naphthalene	15.145	128	71044	17.763	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	36460	17.871	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

ICAL Form

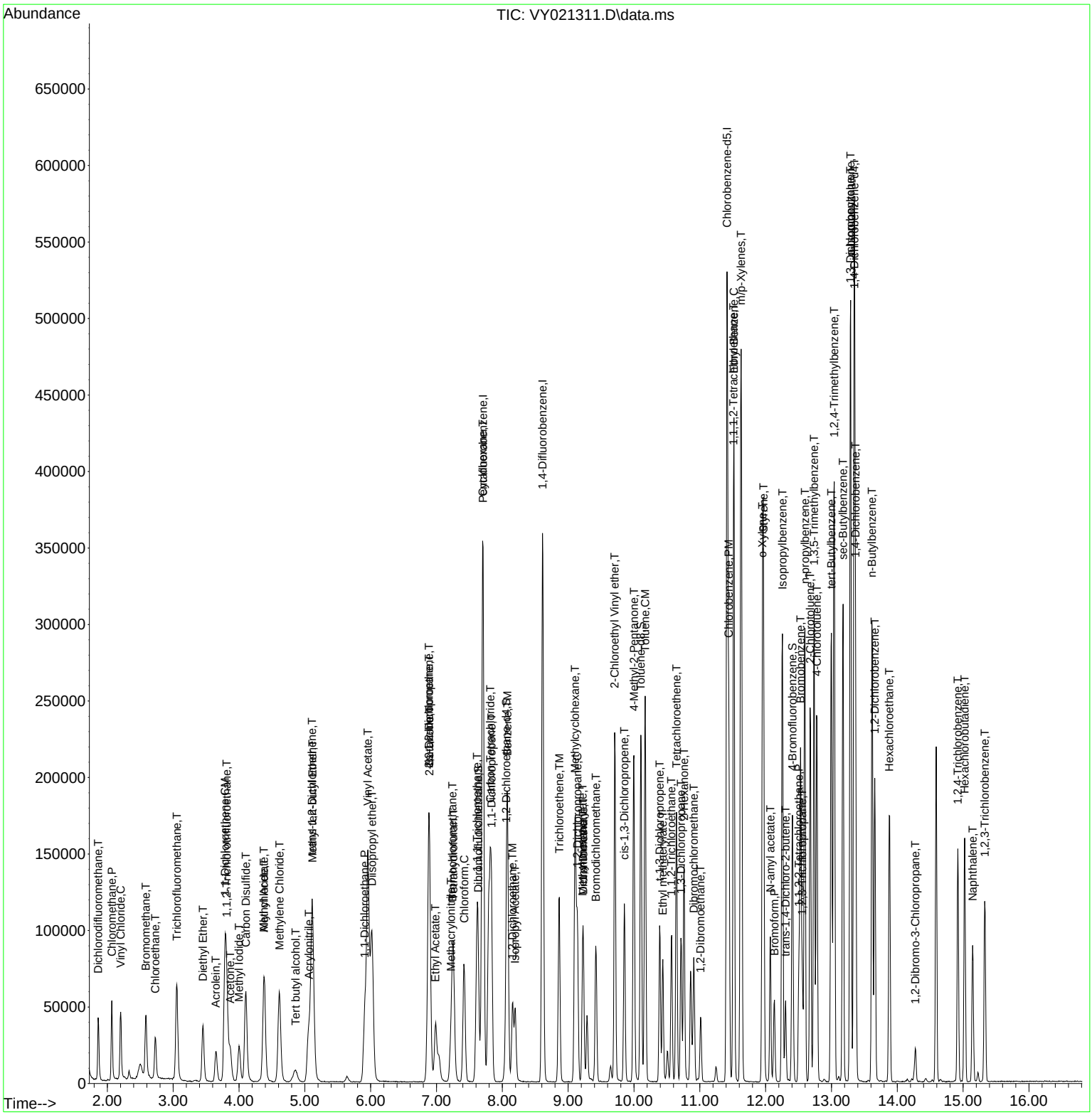
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

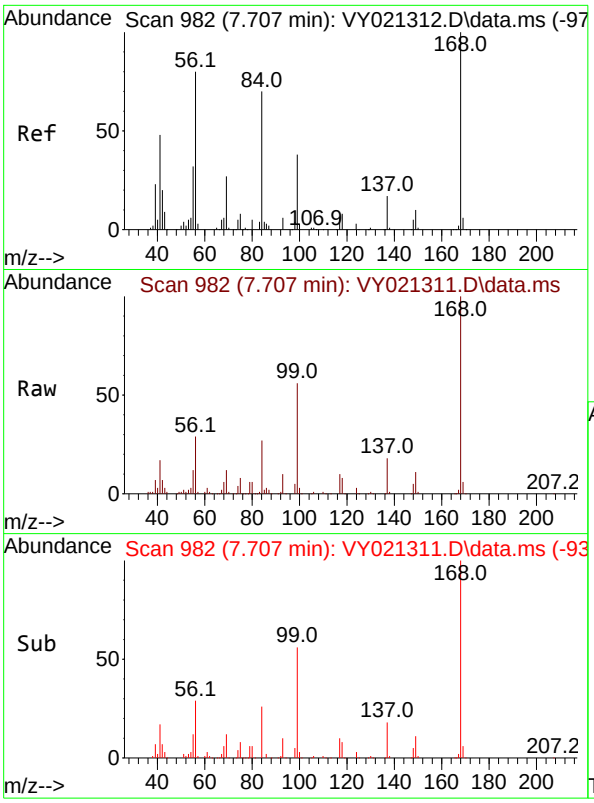
Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

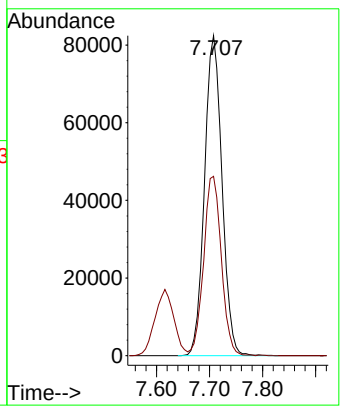




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:168 Resp: 18836

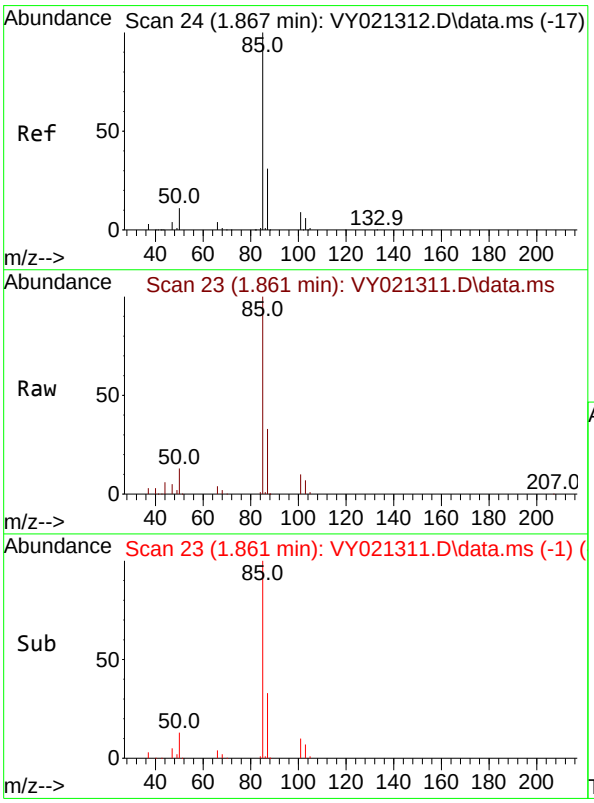
Ion	Ratio	Lower	Upper
168	100		
99	56.0	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

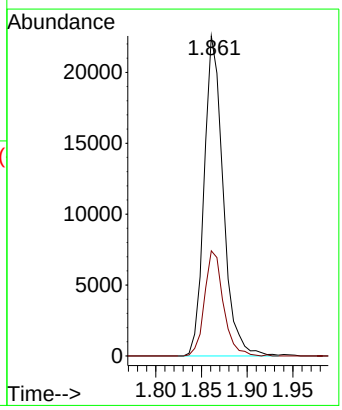
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

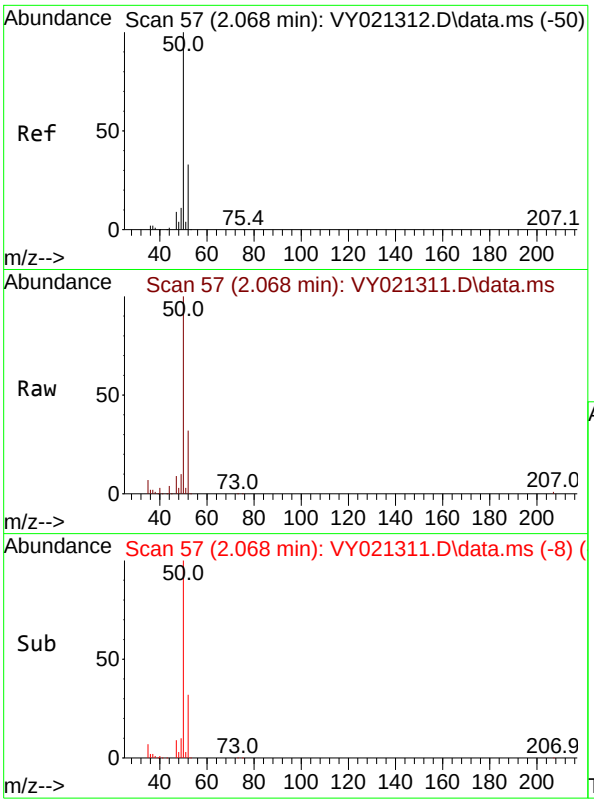


#2
Dichlorodifluoromethane
Concen: 18.204 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 85 Resp: 32511

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.4	46.4

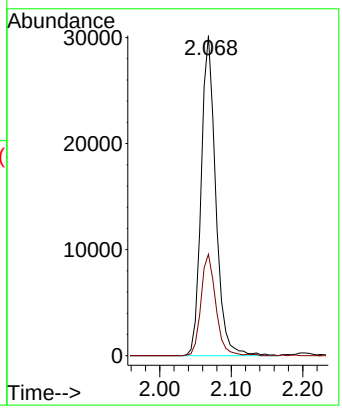




#3
Chloromethane
Concen: 18.484 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 50 Resp: 4263

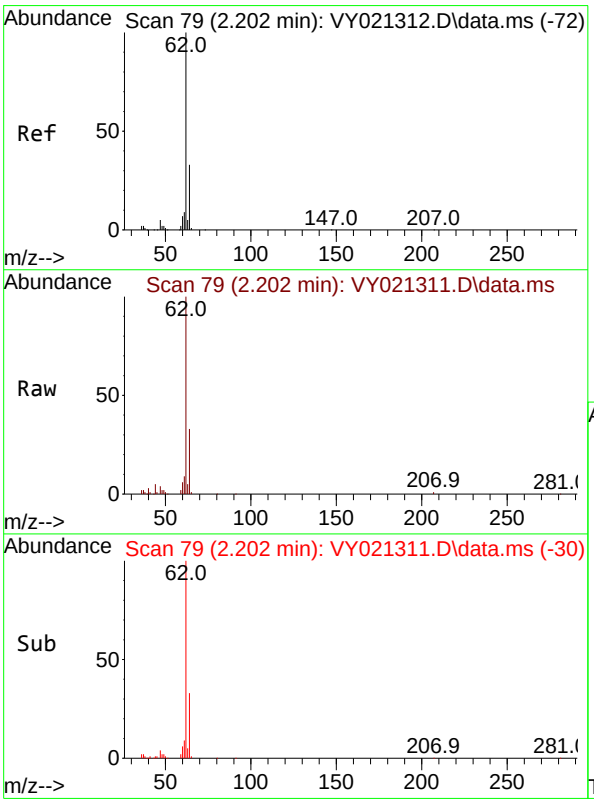
Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

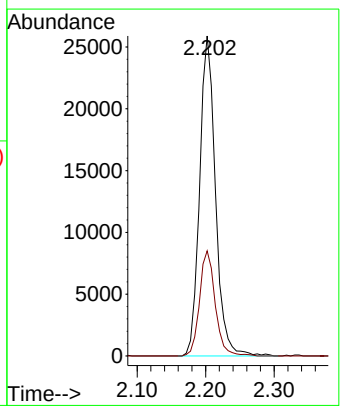
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

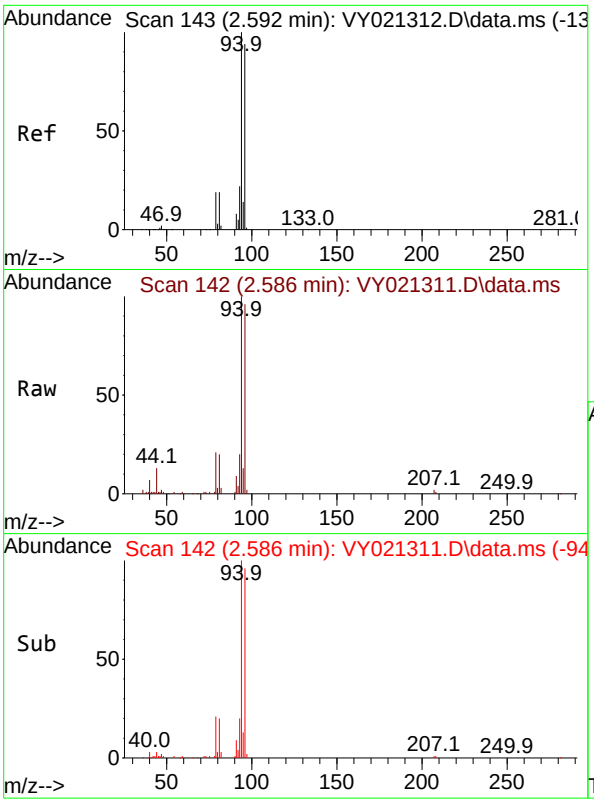


#4
Vinyl Chloride
Concen: 18.429 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 41719

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.3	39.5





#5
Bromomethane
Concen: 18.079 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

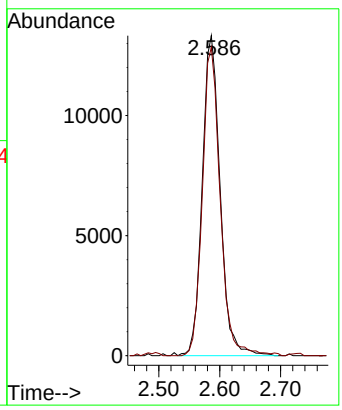
Tgt Ion: 94 Resp: 2719

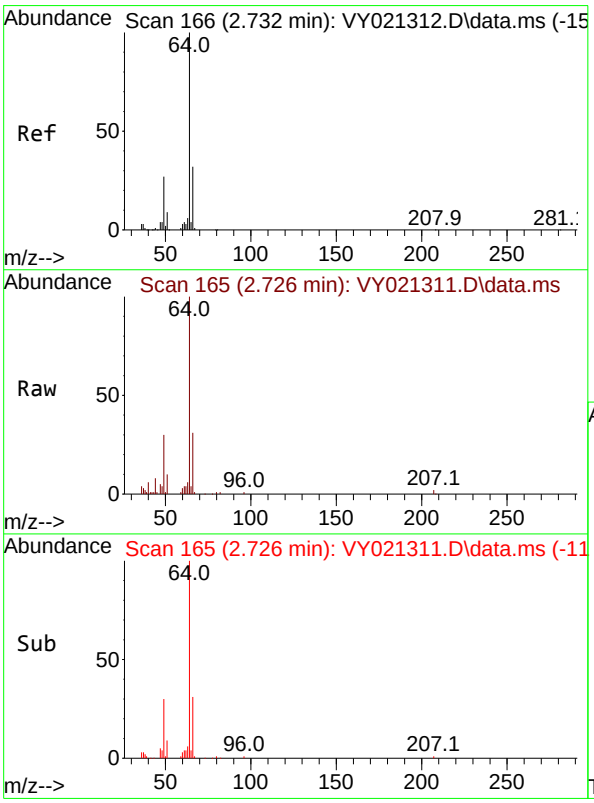
Ion	Ratio	Lower	Upper
94	100		
96	96.3	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

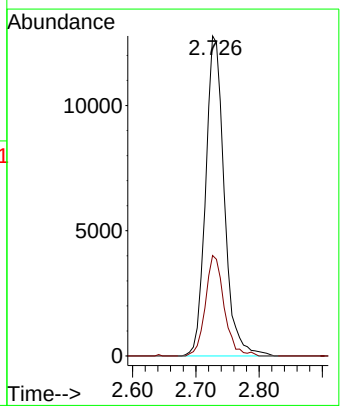


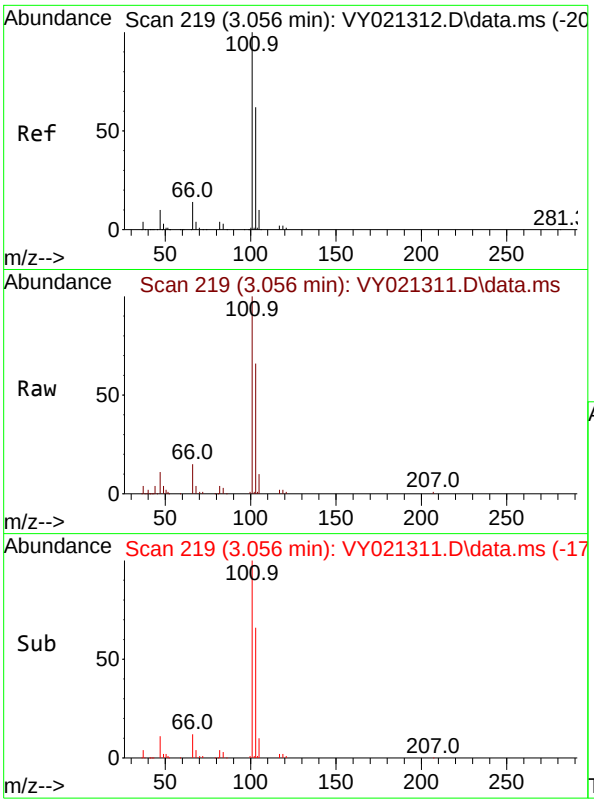


#6
Chloroethane
Concen: 18.635 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 64 Resp: 26161

Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.4	38.0

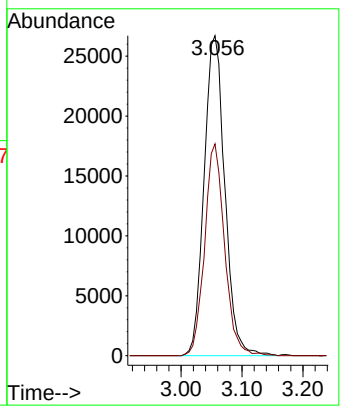




#7
Trichlorofluoromethane
Concen: 18.477 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:101 Resp: 6317

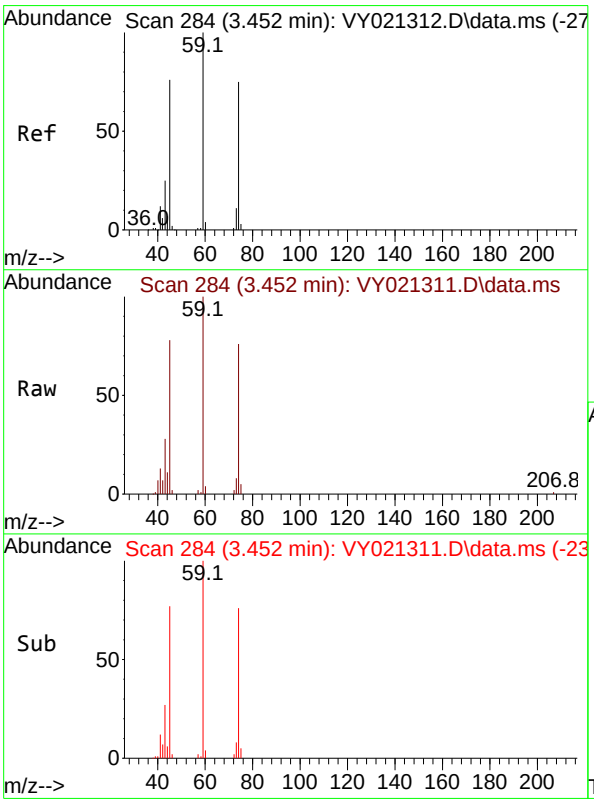
Ion	Ratio	Lower	Upper
101	100		
103	66.2	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

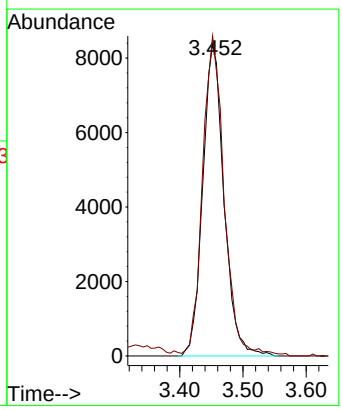
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

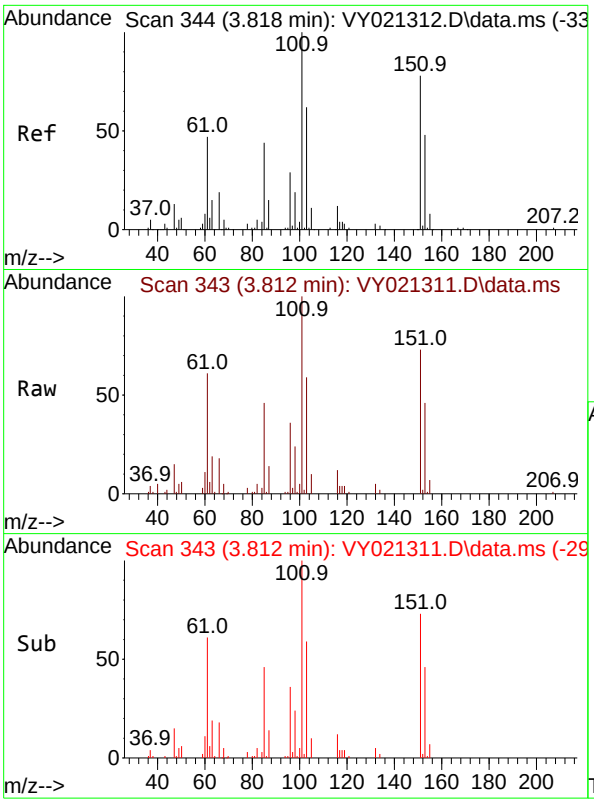


#8
Diethyl Ether
Concen: 19.066 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 74 Resp: 19564

Ion	Ratio	Lower	Upper
74	100		
45	104.3	50.3	150.9

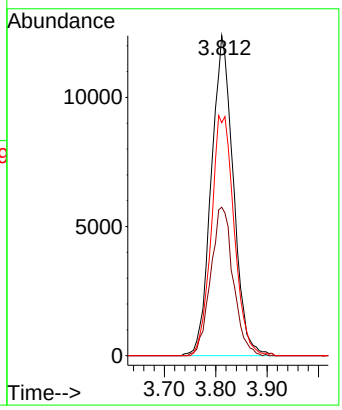




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.701 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:101 Resp: 3701

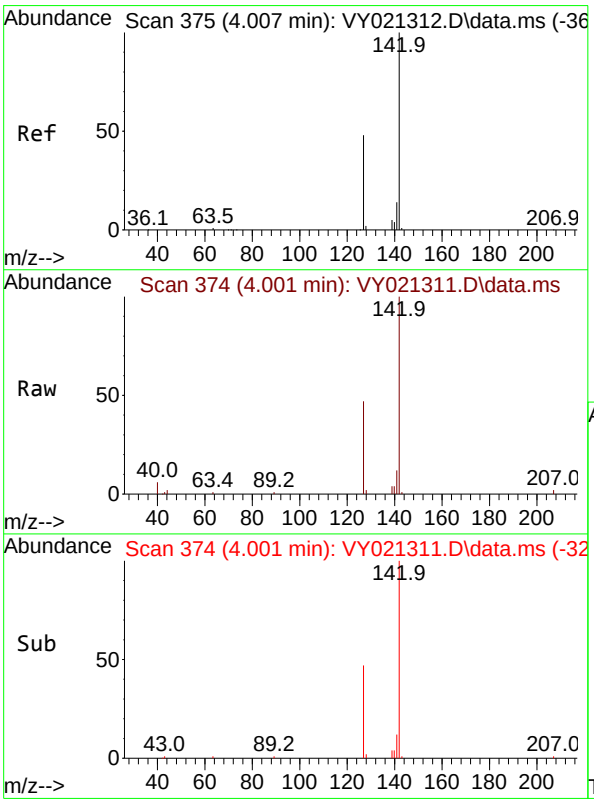
Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.7	55.1
151	77.8	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

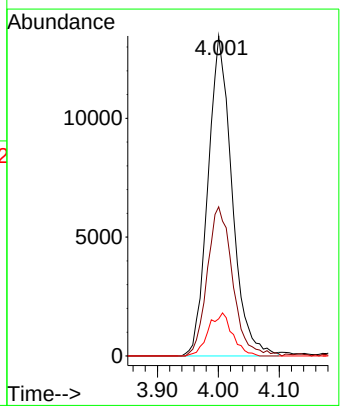
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

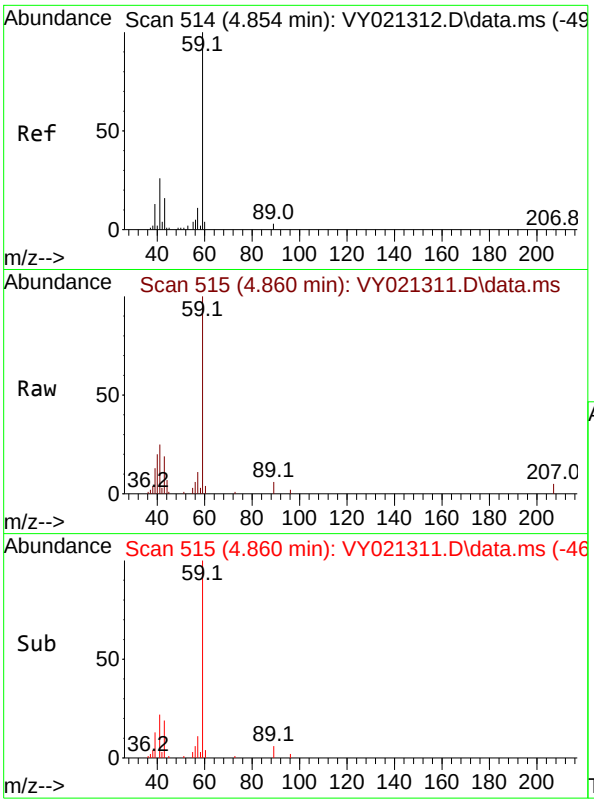


#10
Methyl Iodide
Concen: 17.741 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:142 Resp: 36945

Ion	Ratio	Lower	Upper
142	100		
127	49.1	39.2	58.8
141	13.5	11.4	17.2

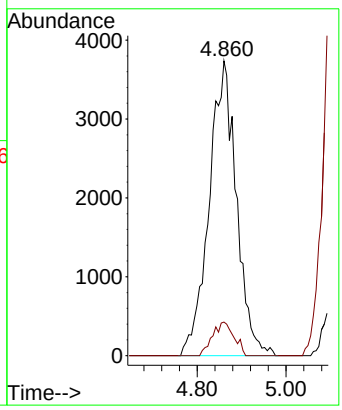




#11
Tert butyl alcohol
Concen: 96.952 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 59 Resp: 1593

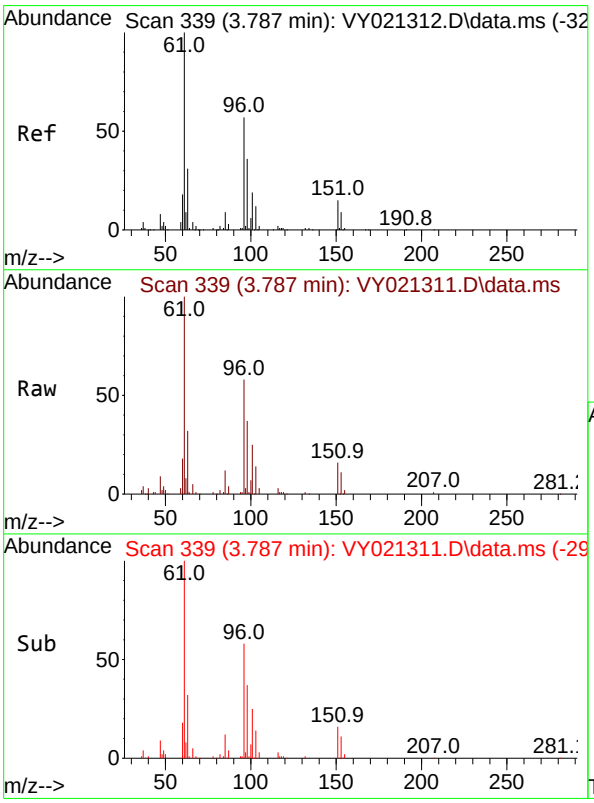
Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

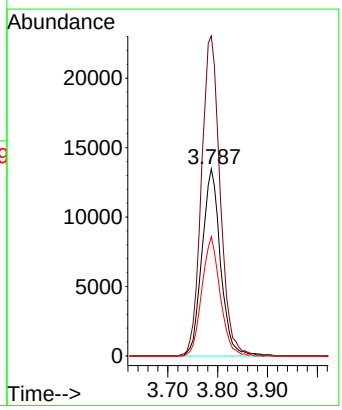
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

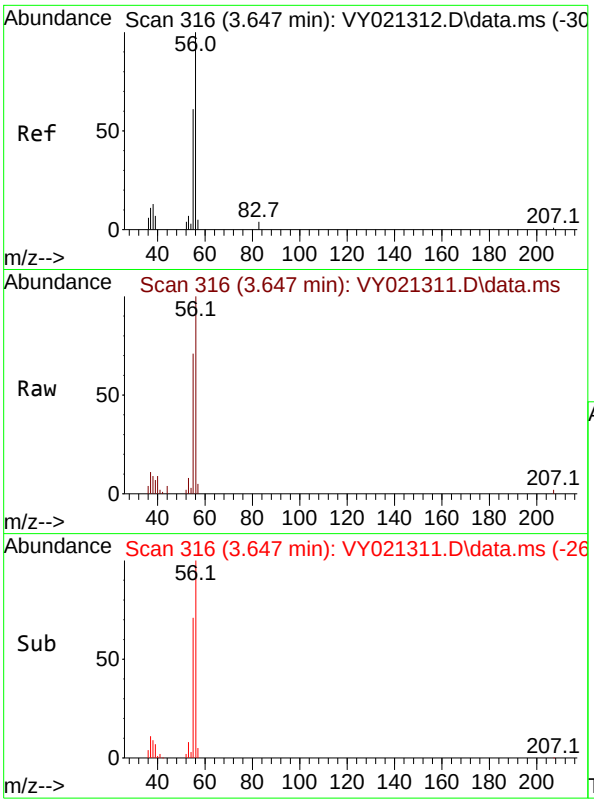


#12
1,1-Dichloroethene
Concen: 18.376 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 34827

Ion	Ratio	Lower	Upper
96	100		
61	171.1	139.7	209.5
98	63.8	49.7	74.5

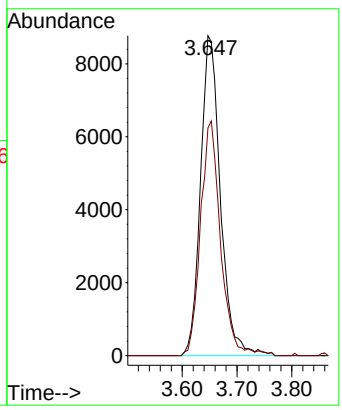




#13
Acrolein
Concen: 175.300 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 56 Resp: 2207

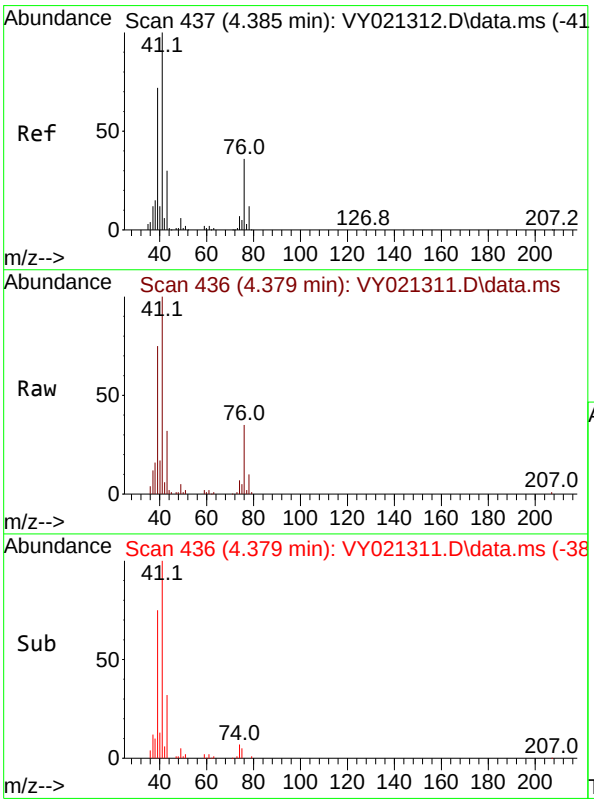
Ion	Ratio	Lower	Upper
56	100		
55	74.0	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

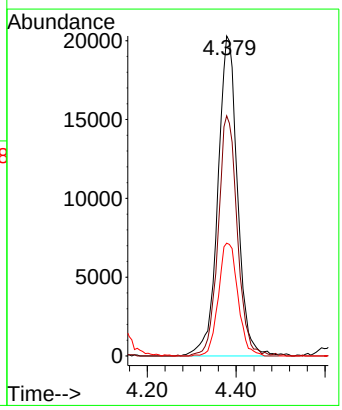
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

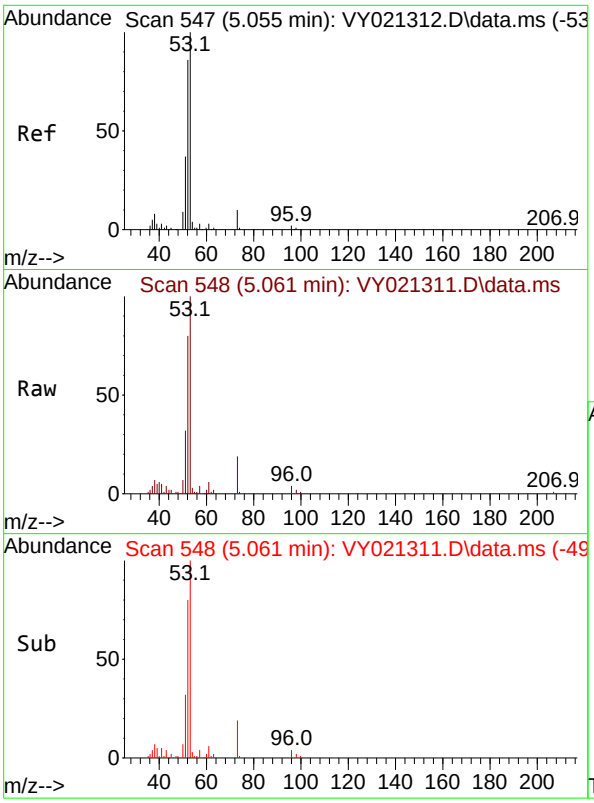


#14
Allyl chloride
Concen: 18.417 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 61887

Ion	Ratio	Lower	Upper
41	100		
39	73.3	60.0	90.0
76	35.2	29.0	43.6

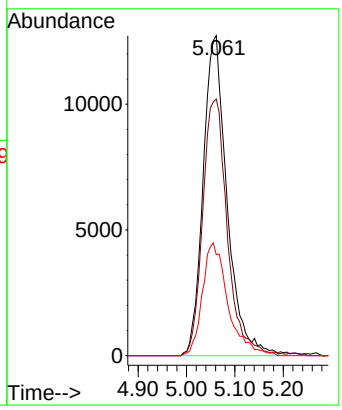




#15
Acrylonitrile
Concen: 96.460 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 53 Resp: 4376

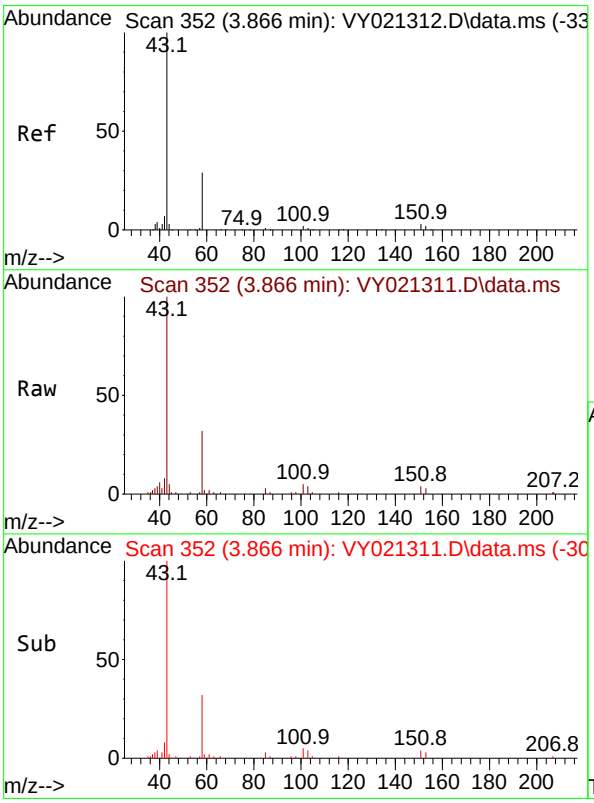
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.8	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

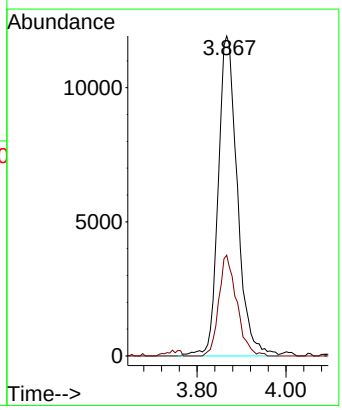
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

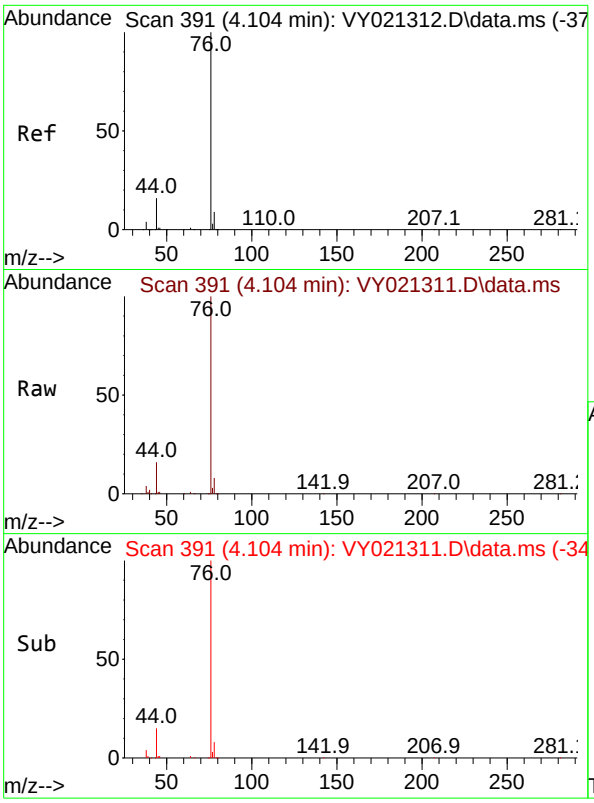


#16
Acetone
Concen: 86.623 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 35506

Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.5	35.3

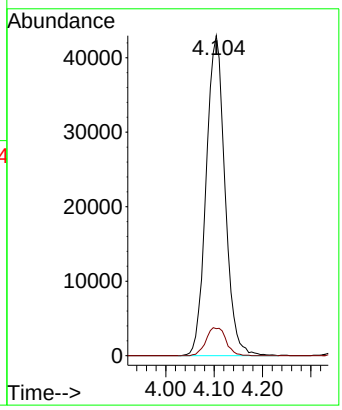




#17
Carbon Disulfide
Concen: 18.437 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 76 Resp: 11603

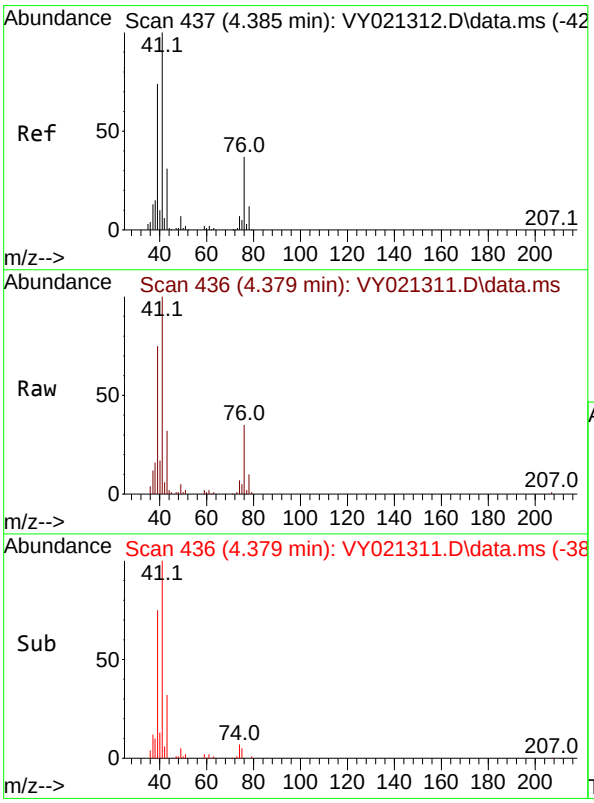
Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

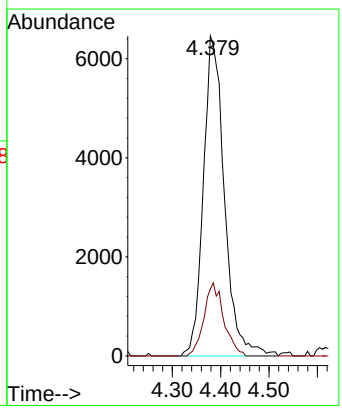
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

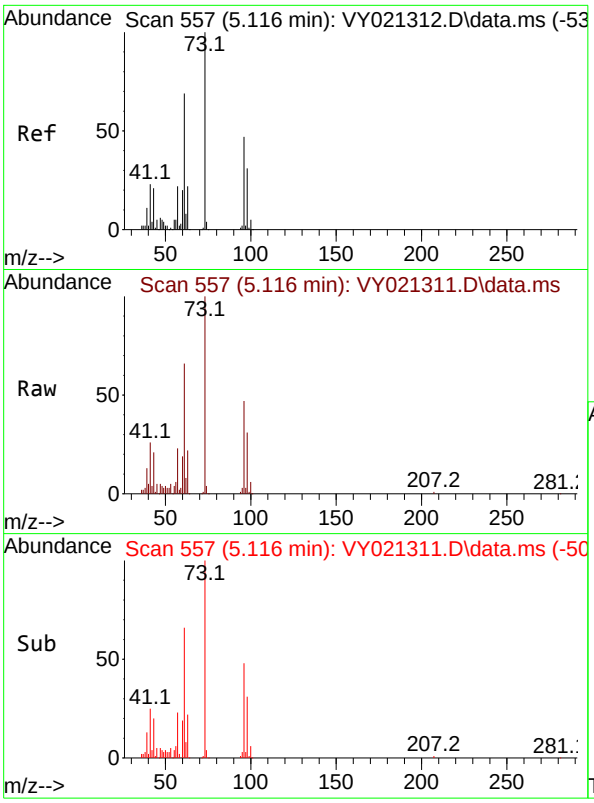


#18
Methyl Acetate
Concen: 19.500 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 19534

Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.7	26.5

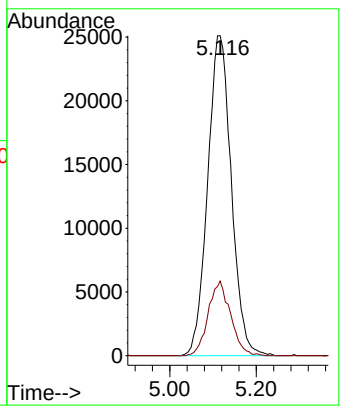




#19
Methyl tert-butyl Ether
Concen: 19.069 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 73 Resp: 9548

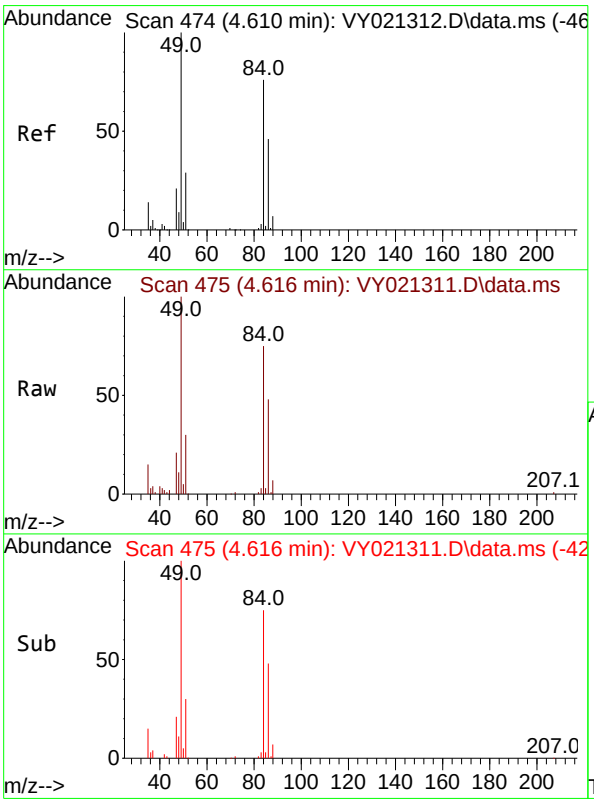
Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

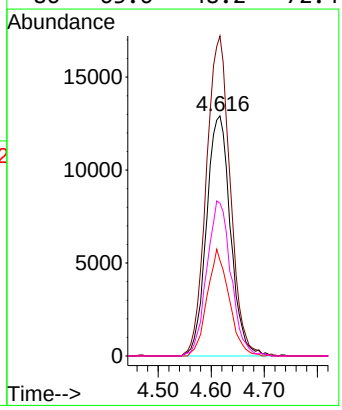
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

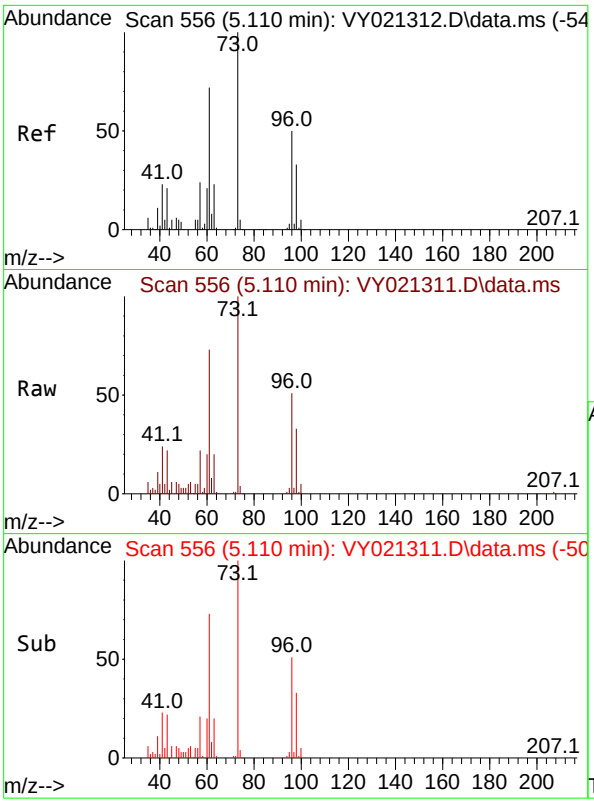


#20
Methylene Chloride
Concen: 18.331 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 84 Resp: 40630

Ion	Ratio	Lower	Upper
84	100		
49	133.3	105.1	157.7
51	39.8	31.0	46.4
86	63.6	48.2	72.4

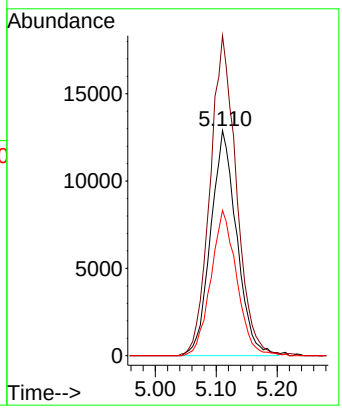




#21
trans-1,2-Dichloroethene
Concen: 18.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 3821

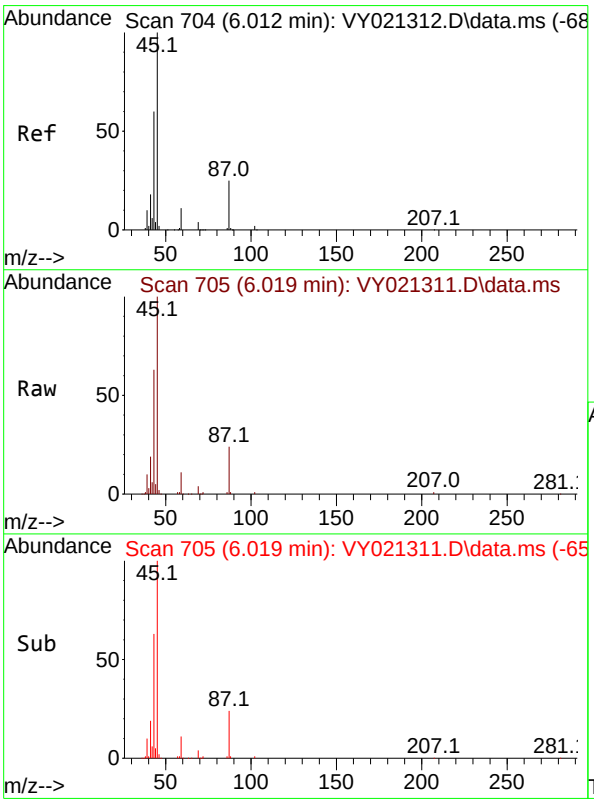
Ion	Ratio	Lower	Upper
96	100		
61	142.1	116.3	174.5
98	64.5	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

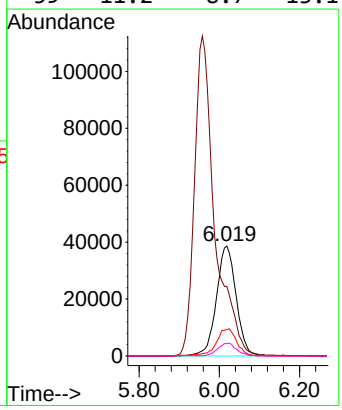
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

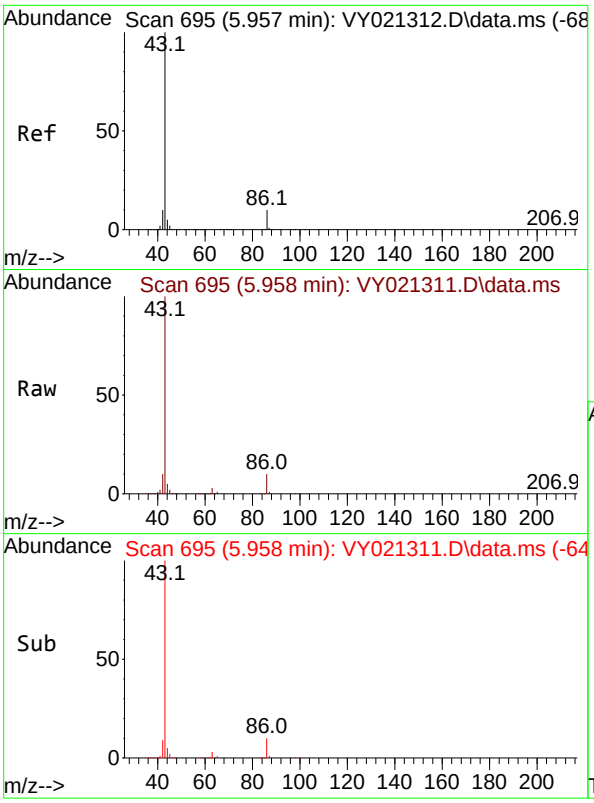


#22
Diisopropyl ether
Concen: 18.989 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 45 Resp: 132039

Ion	Ratio	Lower	Upper
45	100		
43	62.7	48.2	72.4
87	24.1	20.3	30.5
59	11.2	8.7	13.1





#23
Vinyl Acetate
Concen: 94.730 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

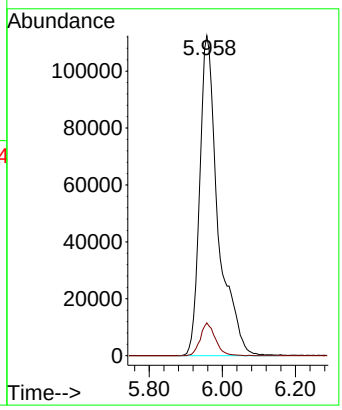
Tgt Ion: 43 Resp: 39362

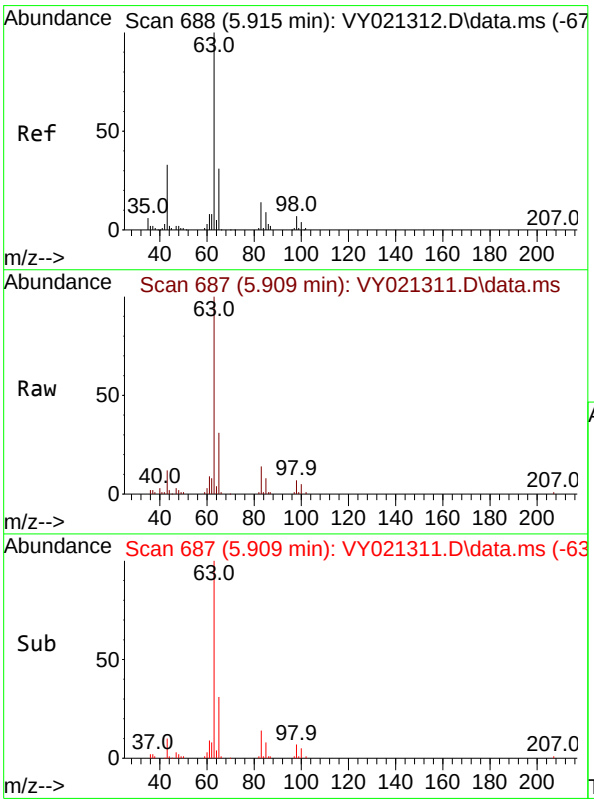
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

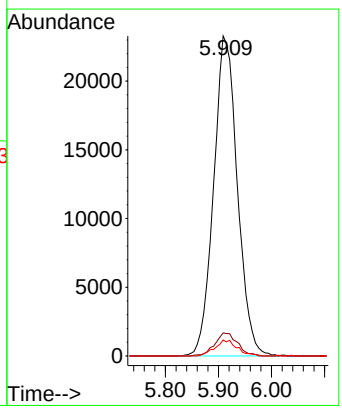


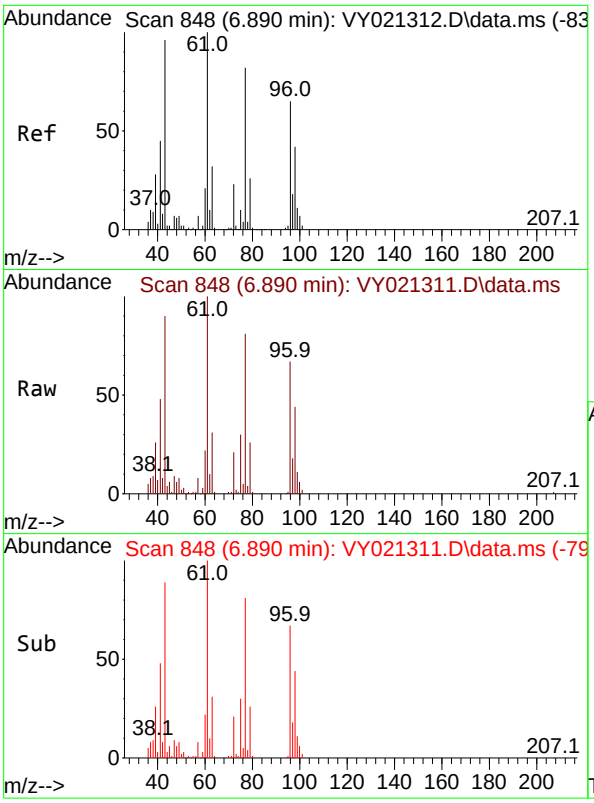


#24
1,1-Dichloroethane
Concen: 18.480 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 72428

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.7	11.1
100	5.0	2.1	6.5





#25
2-Butanone
Concen: 95.278 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

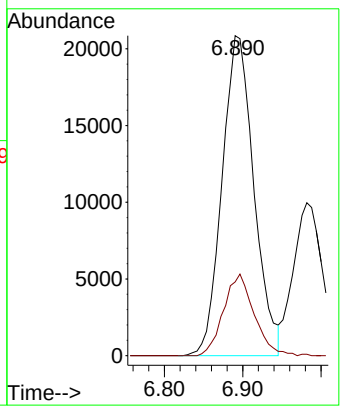
Tgt Ion: 43 Resp: 5894

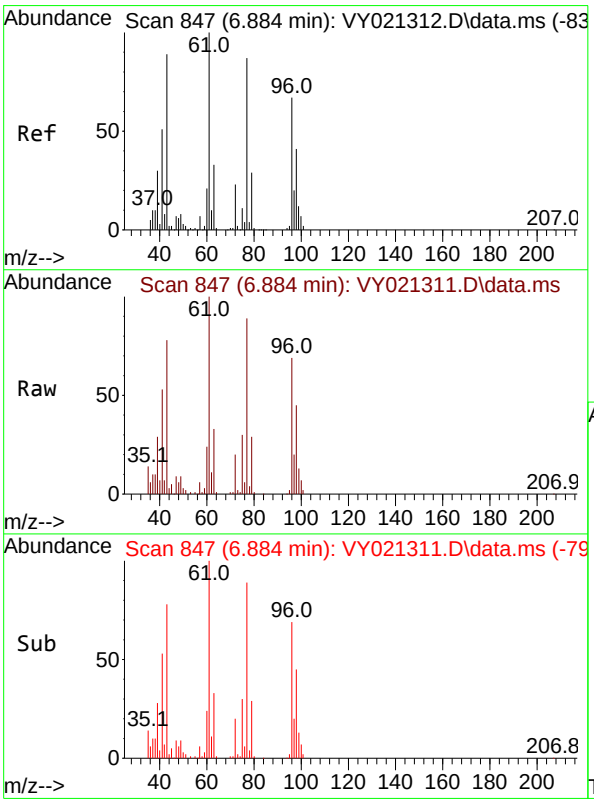
Ion	Ratio	Lower	Upper
43	100		
72	23.0	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

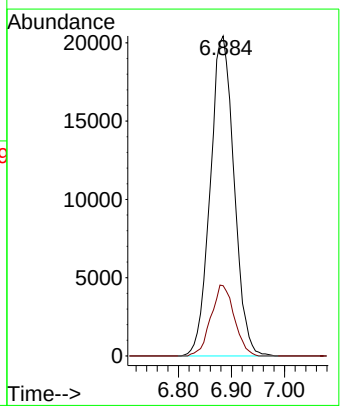


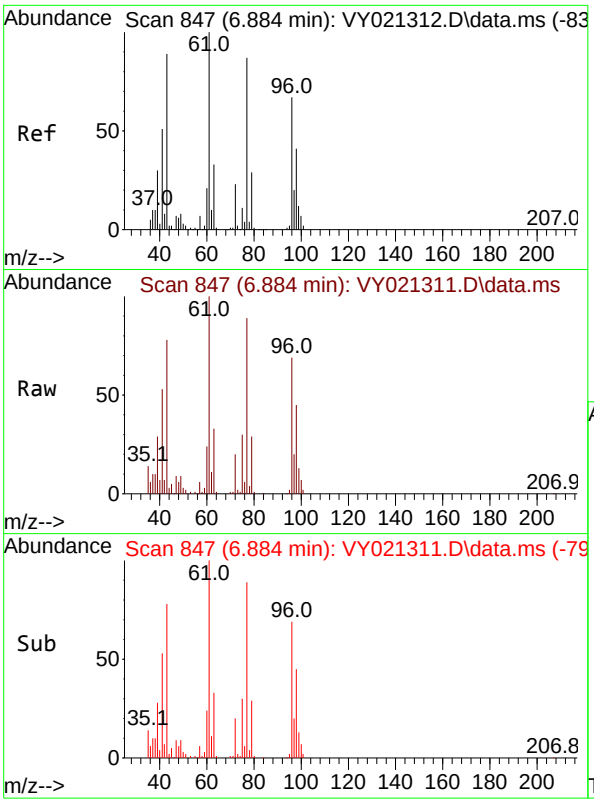


#26
2,2-Dichloropropane
Concen: 17.908 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 77 Resp: 63686

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7

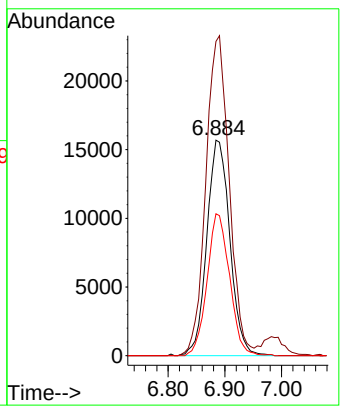




#27
cis-1,2-Dichloroethene
Concen: 18.592 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 4429

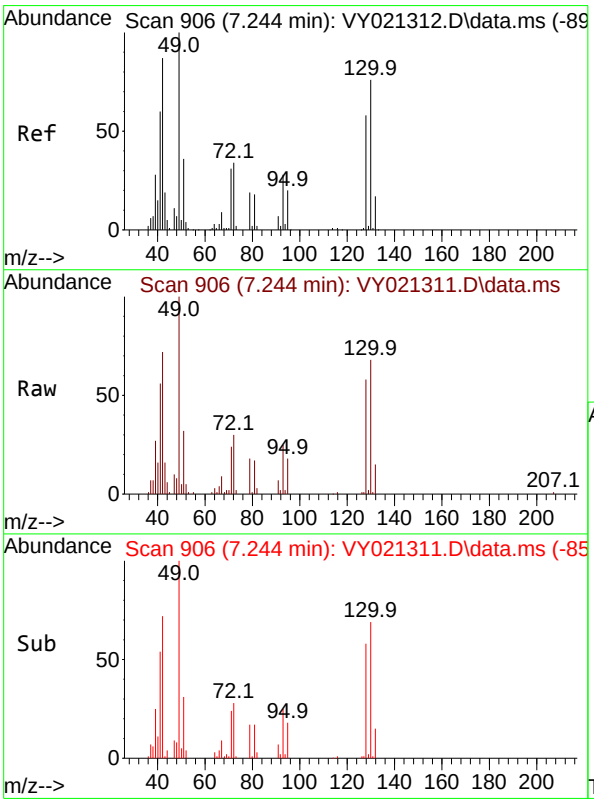
Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	308.0
98	64.3	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

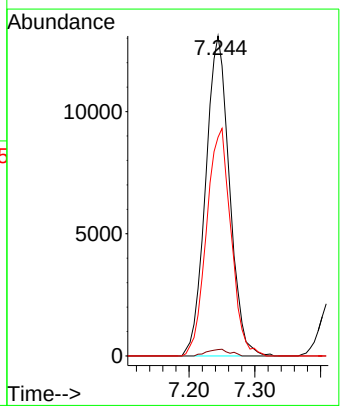
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

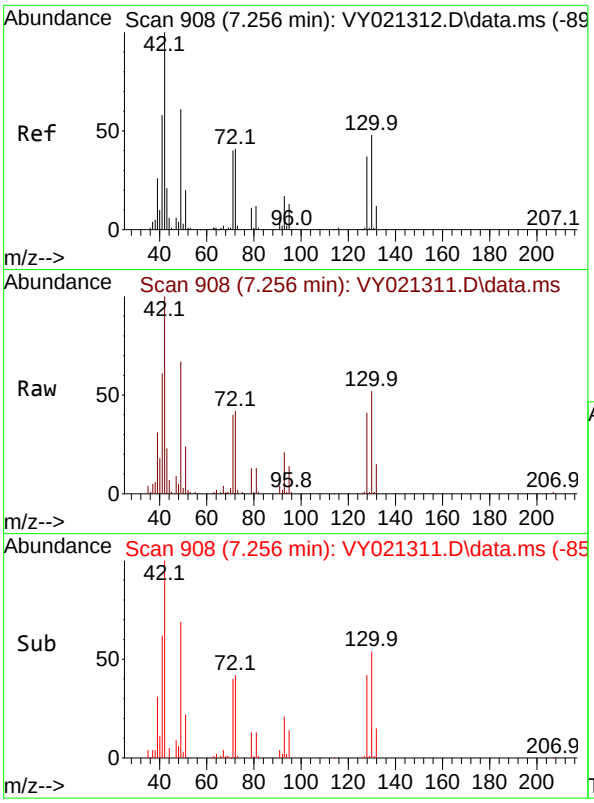


#28
Bromochloromethane
Concen: 19.022 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 49 Resp: 32987

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	73.2	57.8	86.6

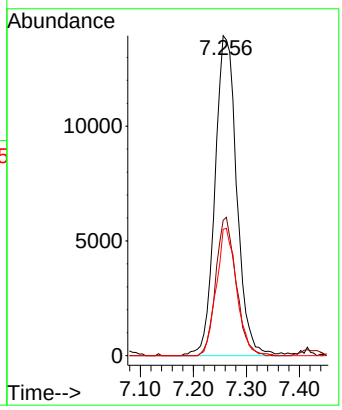




#29
Tetrahydrofuran
Concen: 98.365 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 42 Resp: 3977

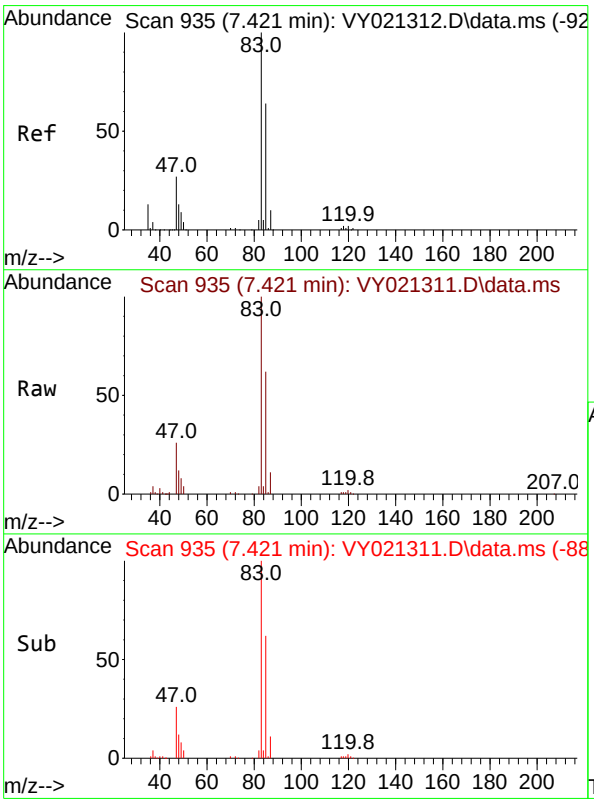
Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.1	49.7
71	37.2	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

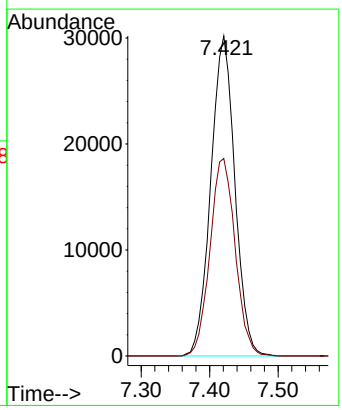
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

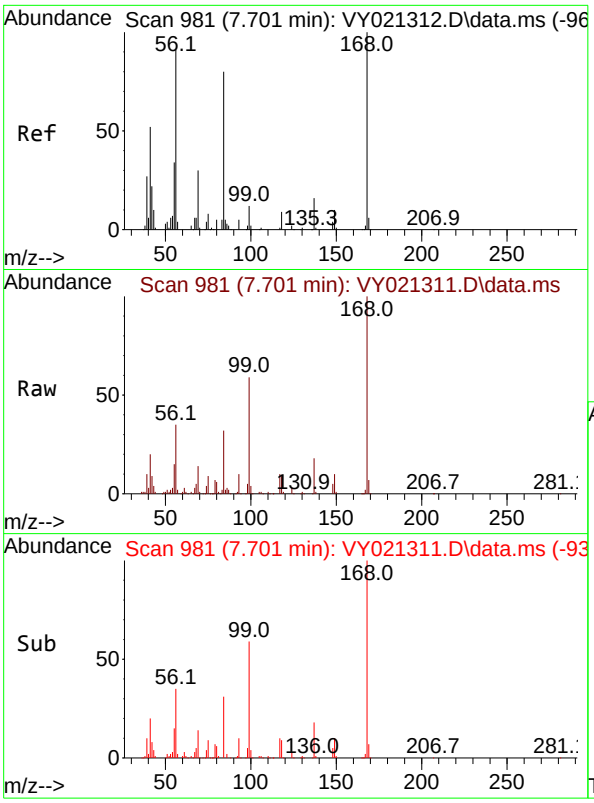


#30
Chloroform
Concen: 18.543 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 73639

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.6	77.4





#31
Cyclohexane
Concen: 18.191 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

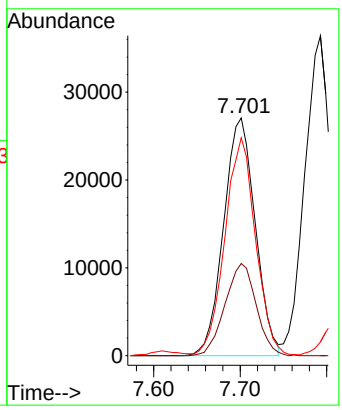
Tgt Ion: 56 Resp: 6853

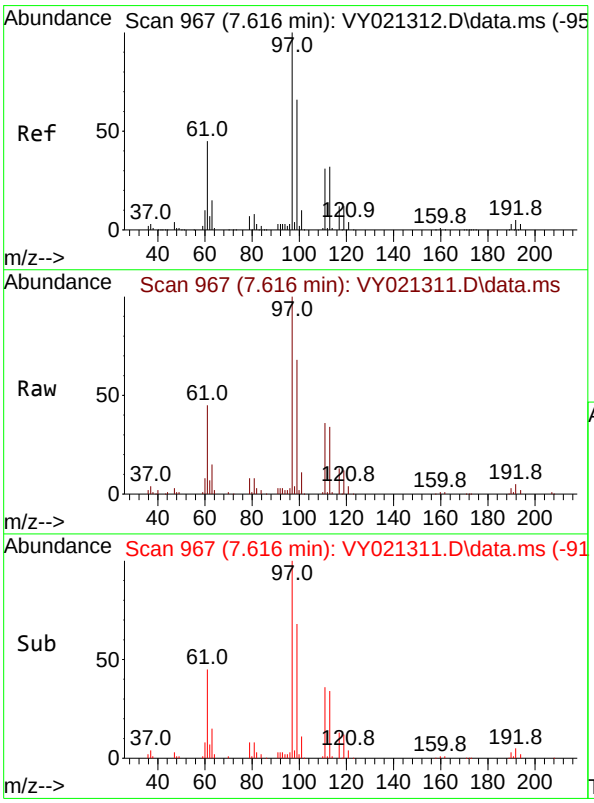
Ion	Ratio	Lower	Upper
56	100		
69	38.8	26.2	39.4
84	90.4	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

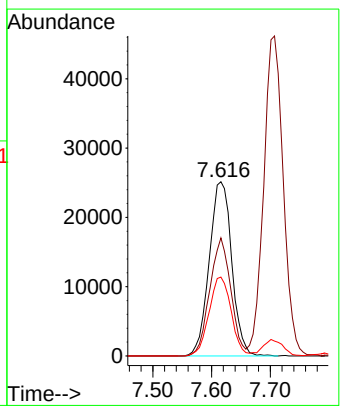


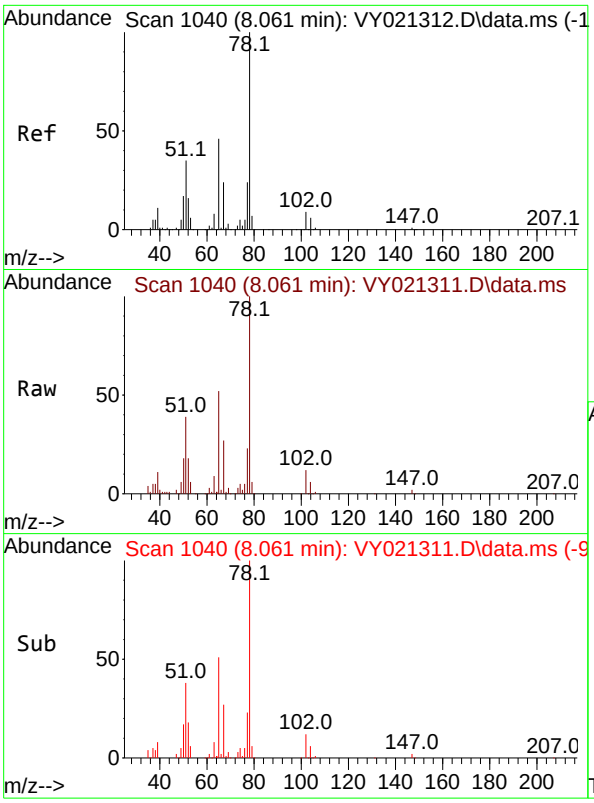


#32
1,1,1-Trichloroethane
Concen: 18.538 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 97 Resp: 67011

Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.4	78.6
61	44.5	36.2	54.2





#33
1,2-Dichloroethane-d4
Concen: 19.337 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

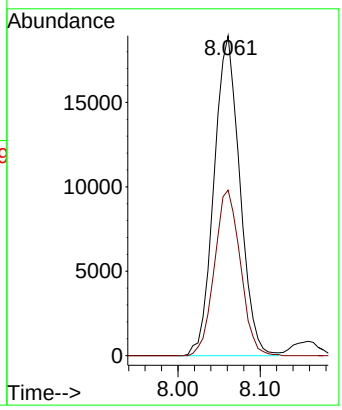
Tgt Ion: 65 Resp: 4132

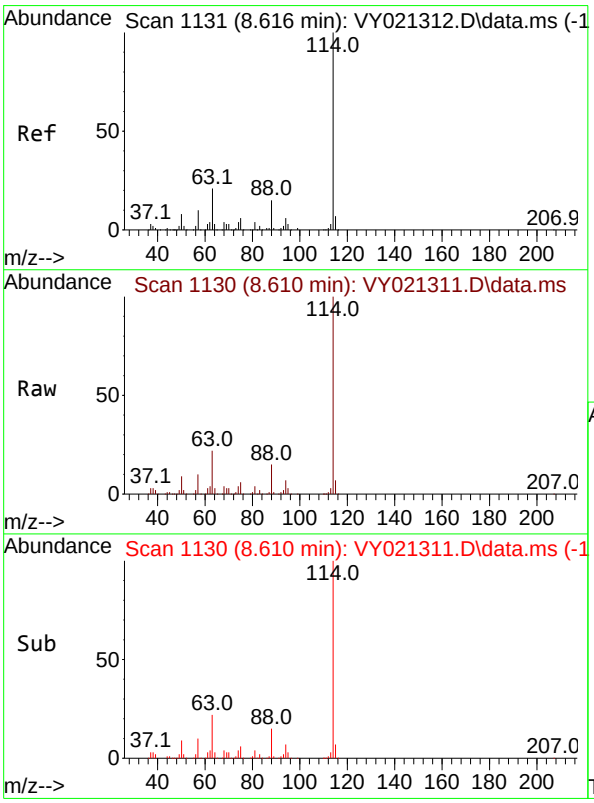
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

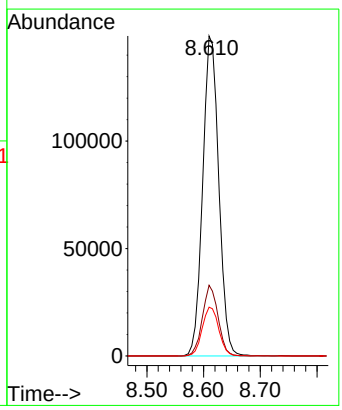


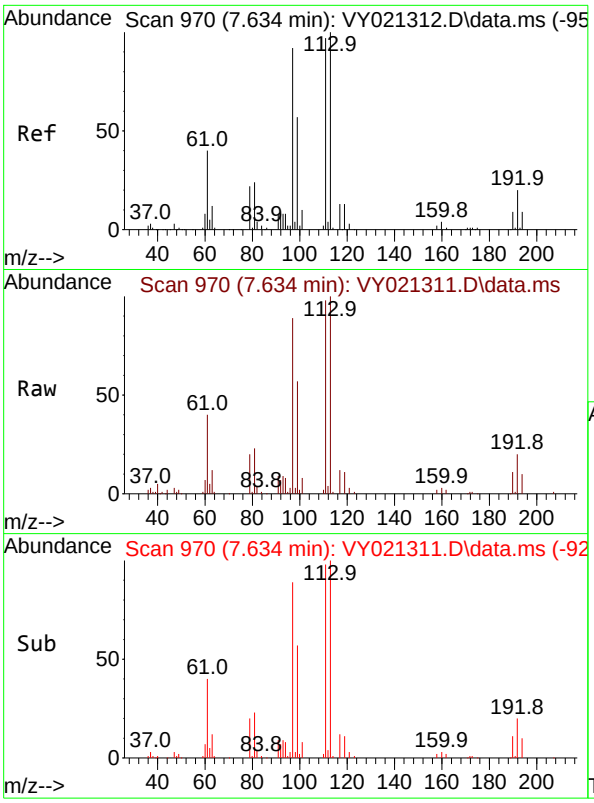


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:114 Resp: 293434

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.2
88	15.2	0.0	29.8

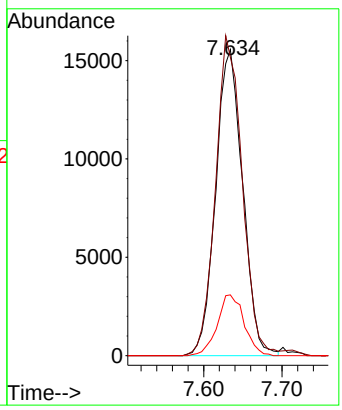




#35
Dibromofluoromethane
Concen: 19.371 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:113 Resp: 3726

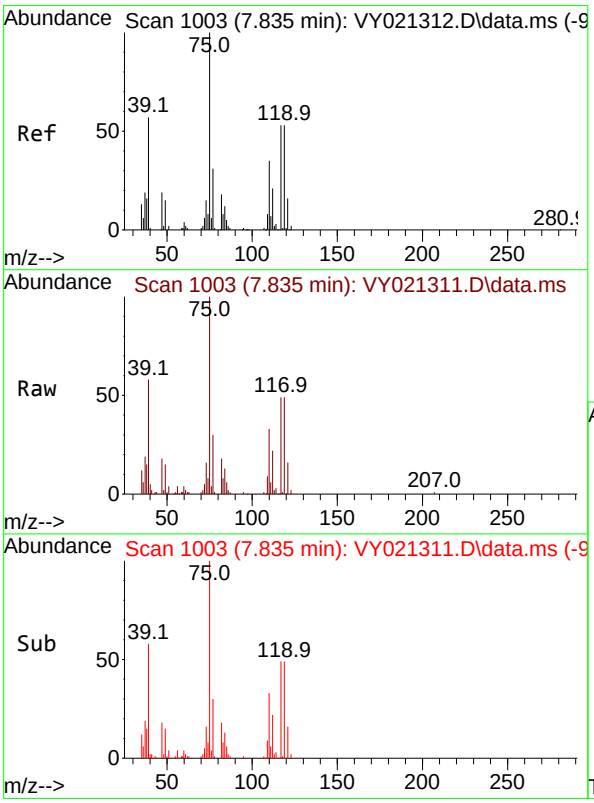
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.0	121.6
192	19.8	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

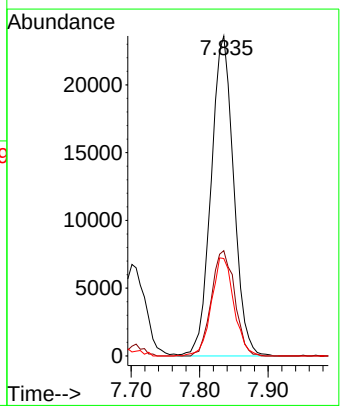
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

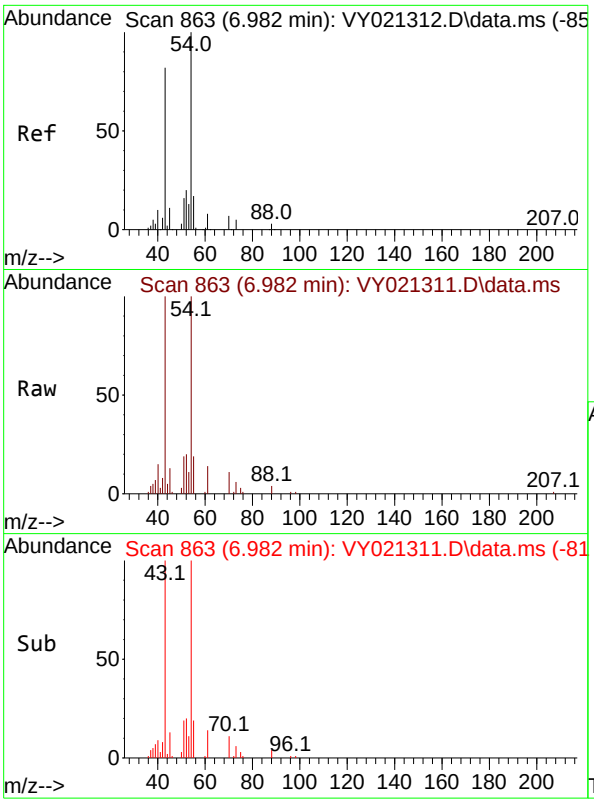


#36
1,1-Dichloropropene
Concen: 18.685 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 53995

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.9	50.7
77	30.6	24.6	36.8

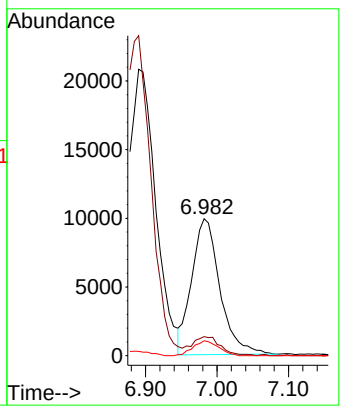




#37
Ethyl Acetate
Concen: 18.914 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 2718

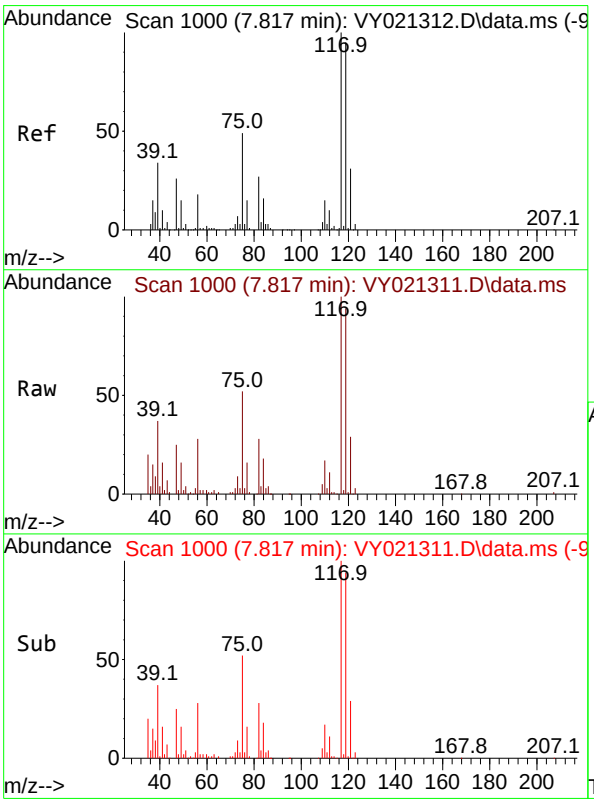
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.4	15.6
70	9.8	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

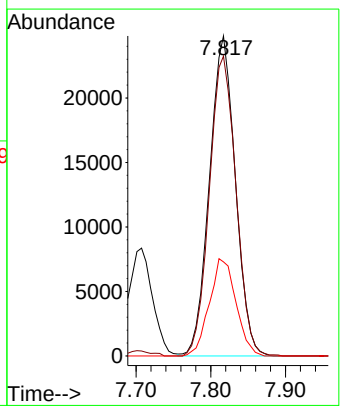
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

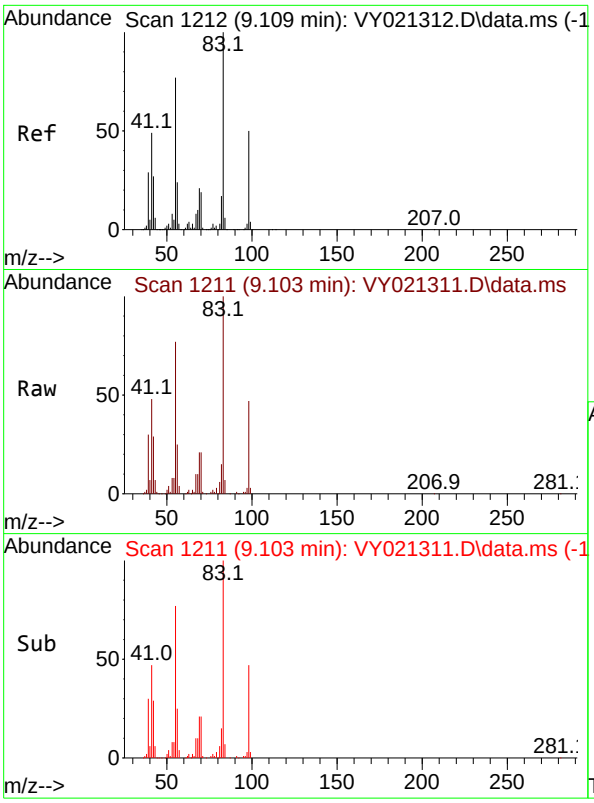


#38
Carbon Tetrachloride
Concen: 18.387 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 59733

Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.0	114.0
121	29.4	24.9	37.3

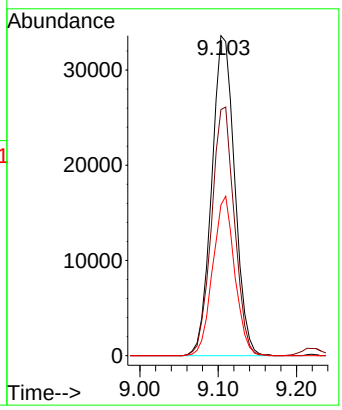




#39
Methylcyclohexane
Concen: 18.746 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 6851

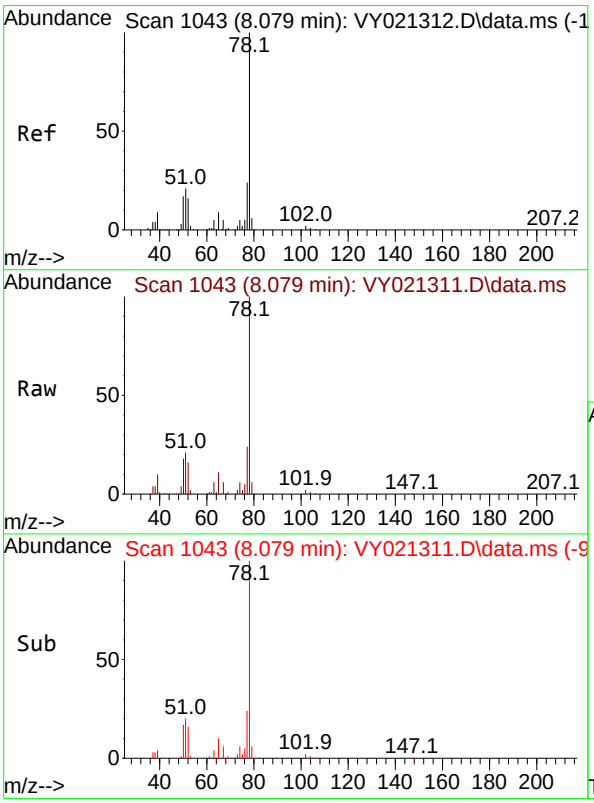
Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.3	91.9
98	47.1	39.9	59.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

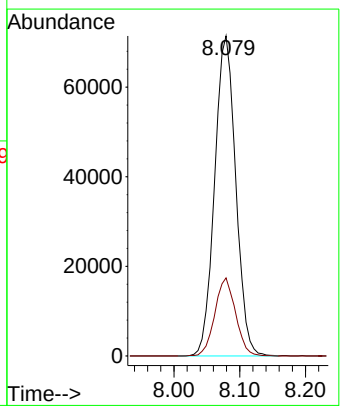
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

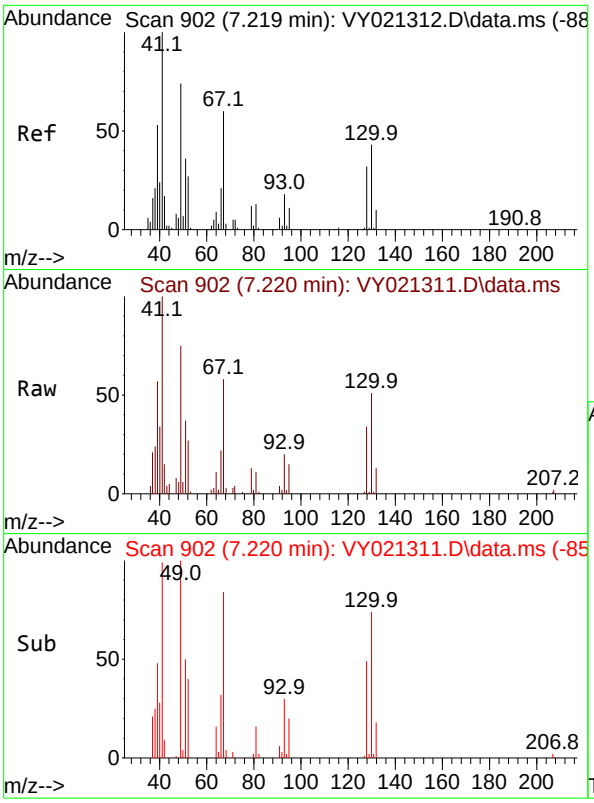


#40
Benzene
Concen: 18.676 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 78 Resp: 159536

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8

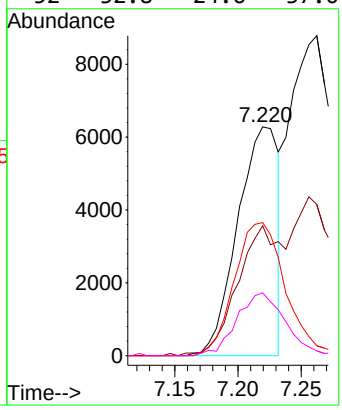




#41
Methacrylonitrile
Concen: 17.554 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 1410

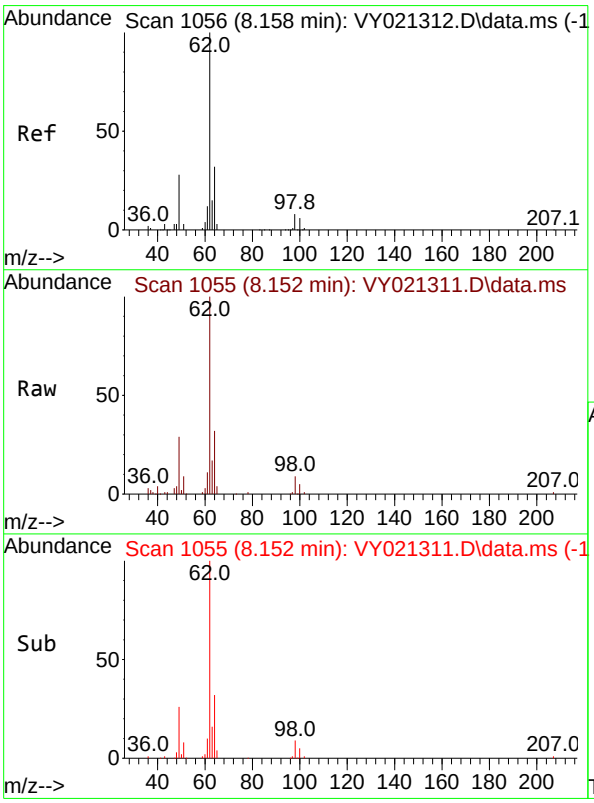
Ion	Ratio	Lower	Upper
41	100		
39	63.1	42.3	63.5
67	72.9	54.8	82.2
52	32.8	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

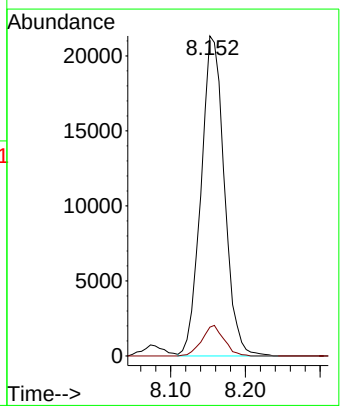
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

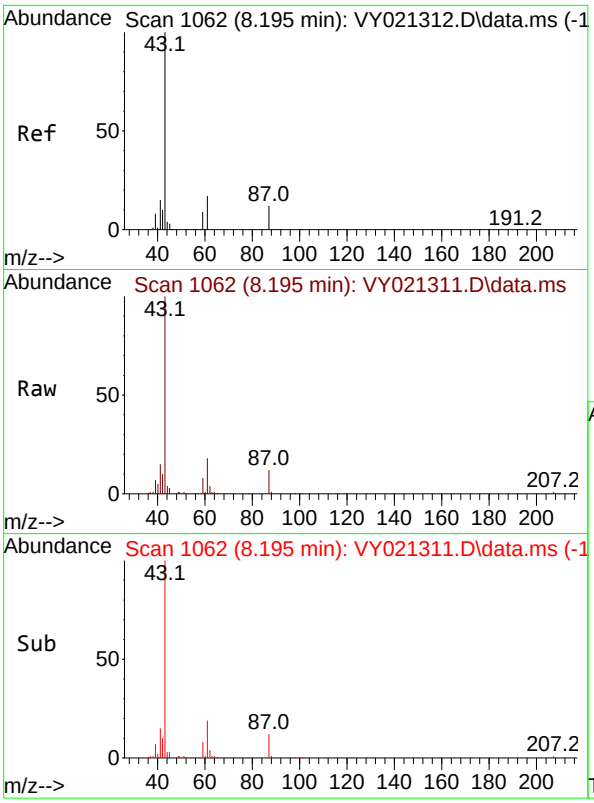


#42
1,2-Dichloroethane
Concen: 19.043 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 46152

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6

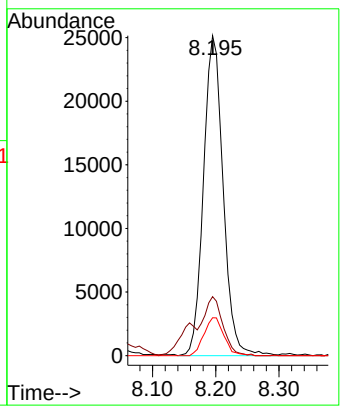




#43
Isopropyl Acetate
Concen: 19.583 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 5448

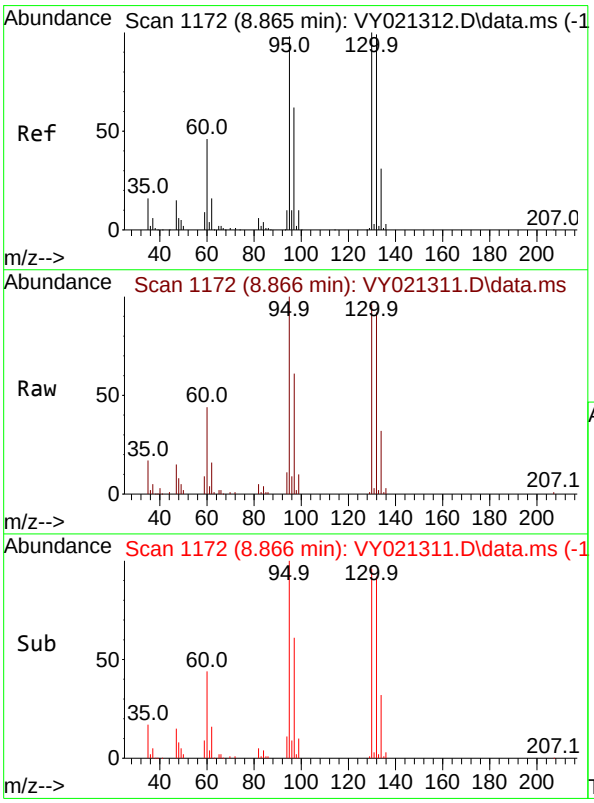
Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.0	22.6
87	12.1	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

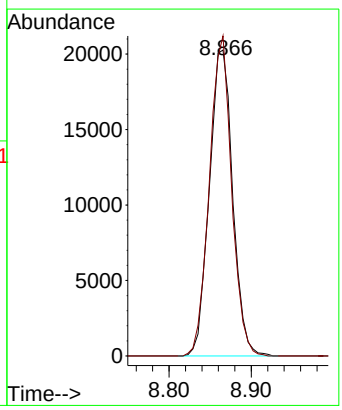
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

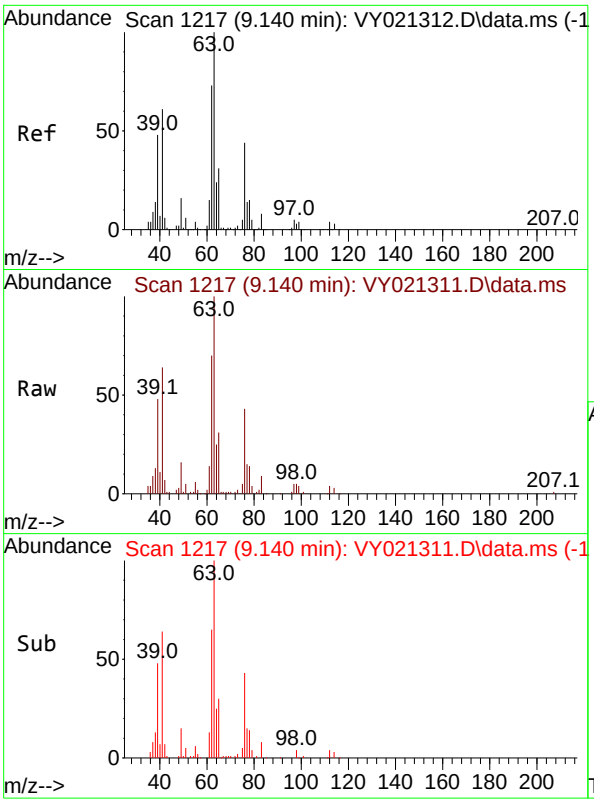


#44
Trichloroethene
Concen: 18.706 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:130 Resp: 40005

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	196.0





#45
1,2-Dichloropropane
Concen: 18.782 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

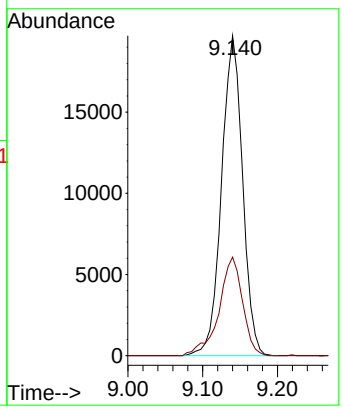
Tgt Ion: 63 Resp: 3861

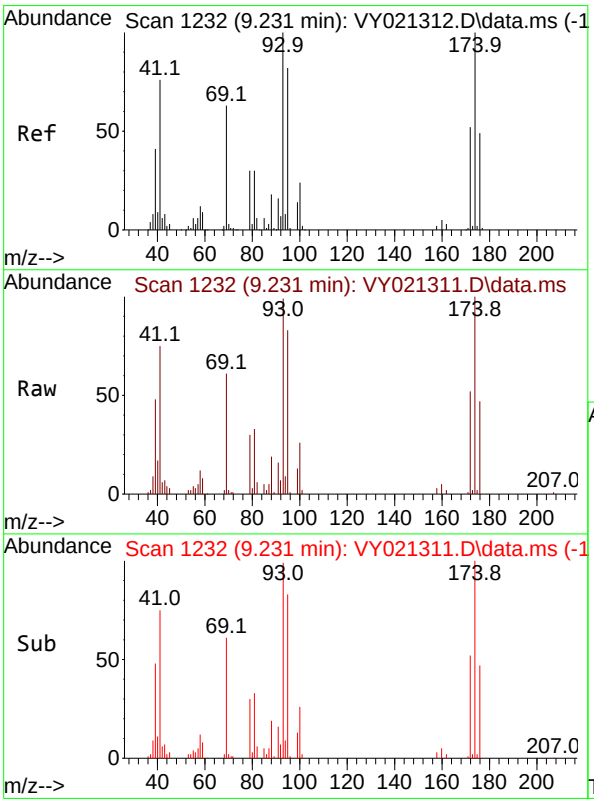
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

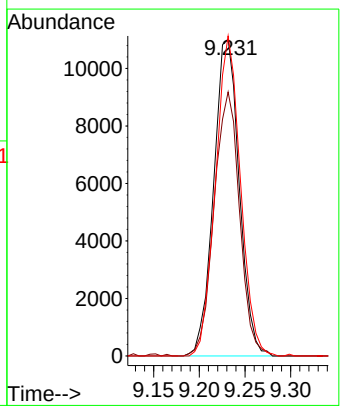


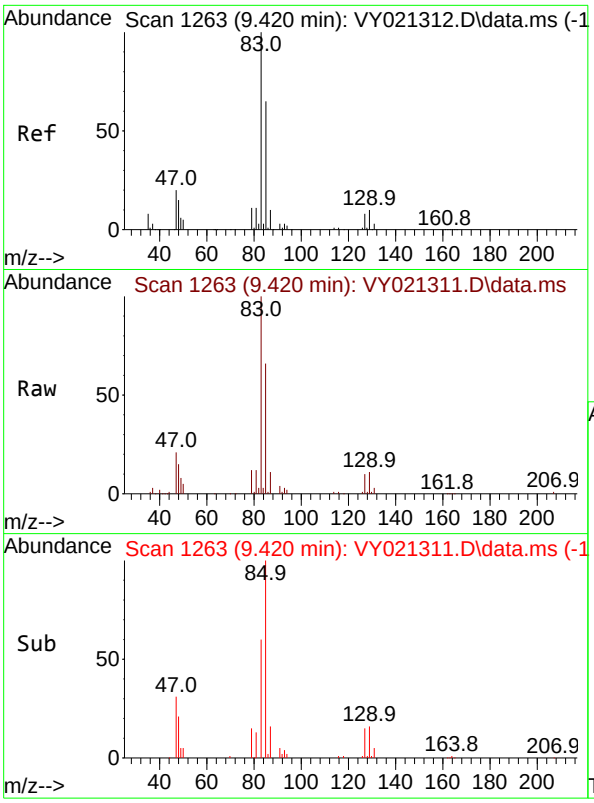


#46
Dibromomethane
Concen: 19.063 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 93 Resp: 21421

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	98.7	78.2	117.2

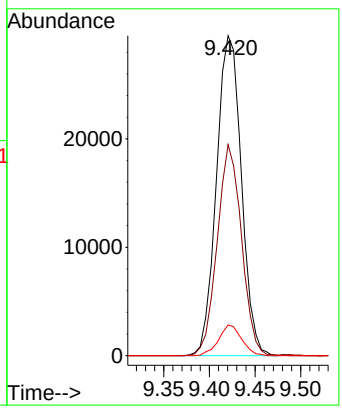




#47
Bromodichloromethane
Concen: 18.701 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 5603

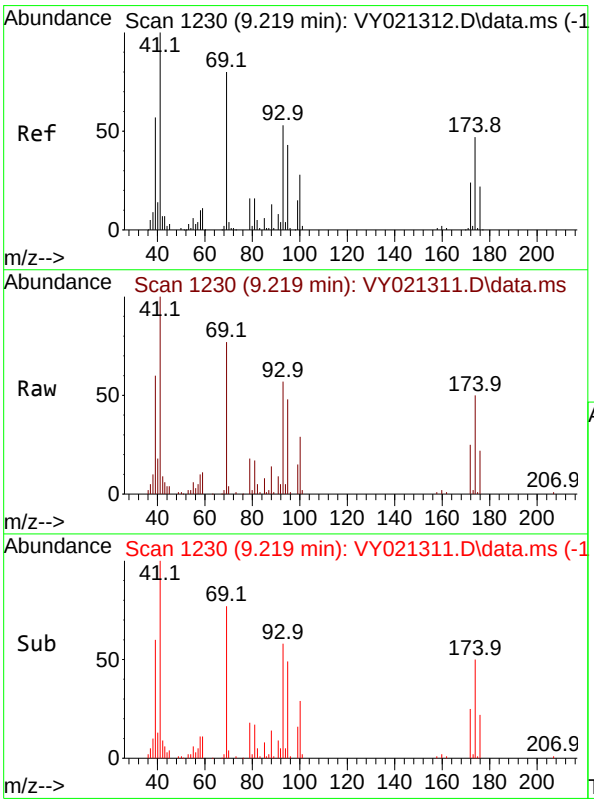
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.8
127	9.6	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

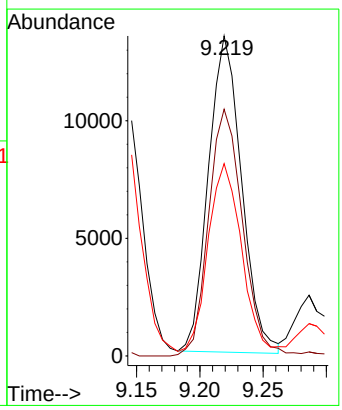
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

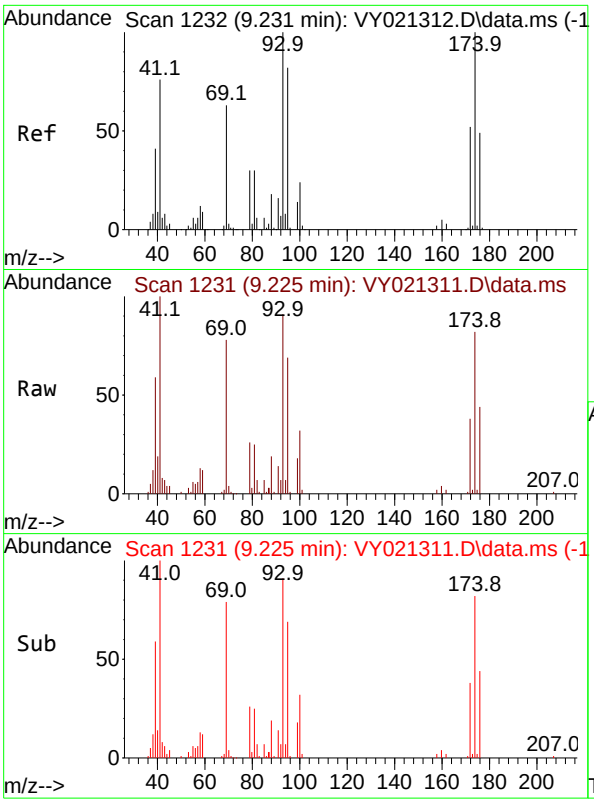


#48
Methyl methacrylate
Concen: 18.801 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 24461

Ion	Ratio	Lower	Upper
41	100		
69	80.2	63.3	94.9
39	60.2	45.0	67.6





#49
1,4-Dioxane
Concen: 424.825 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

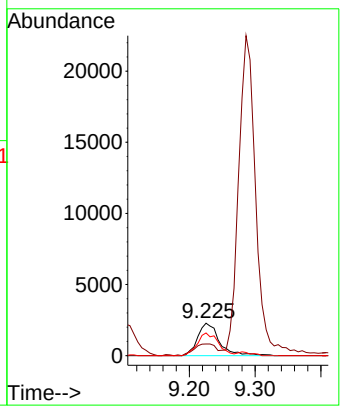
Tgt Ion: 88 Resp: 530

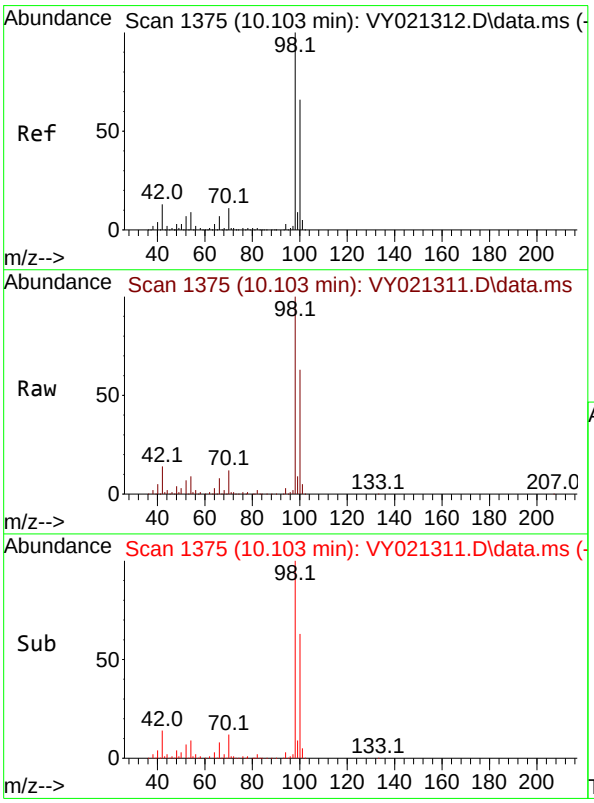
Ion	Ratio	Lower	Upper
88	100		
43	35.4	34.8	52.2
58	66.8	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

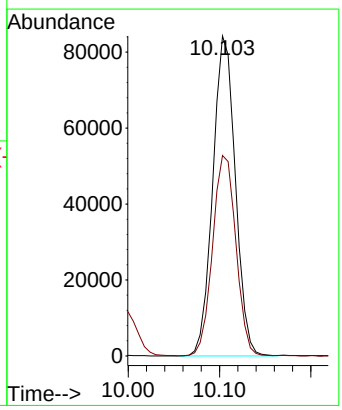


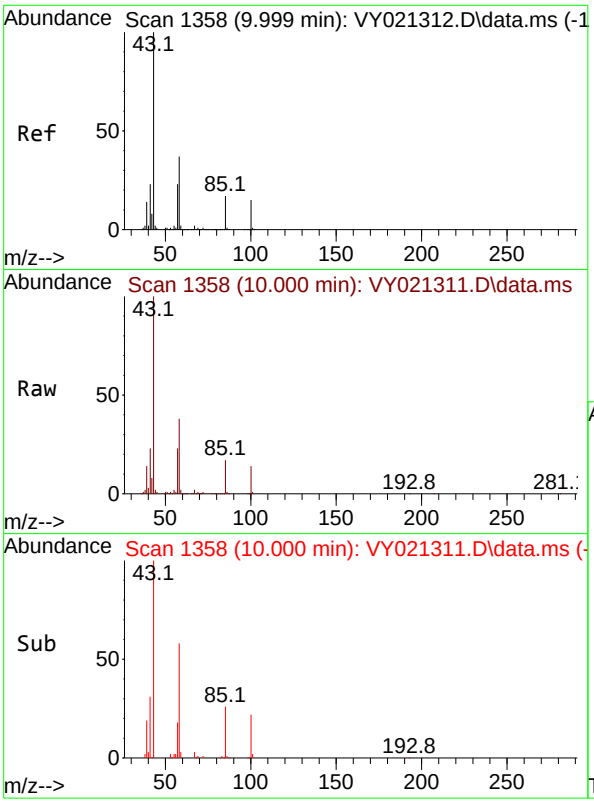


#50
Toluene-d8
Concen: 19.423 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 98 Resp: 144409

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6

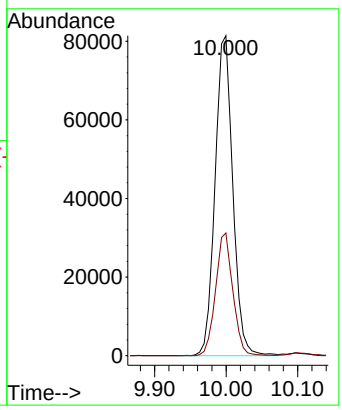




#51
4-Methyl-2-Pentanone
Concen: 98.430 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 14018

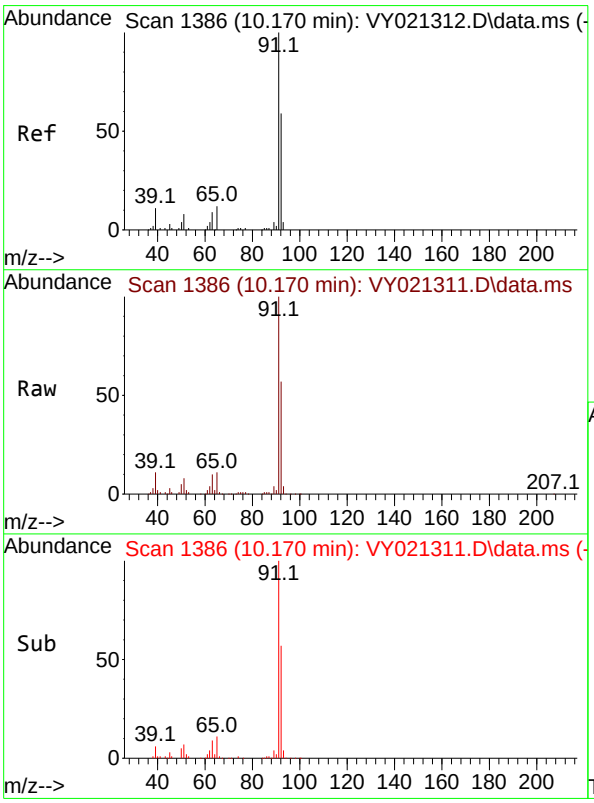
Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

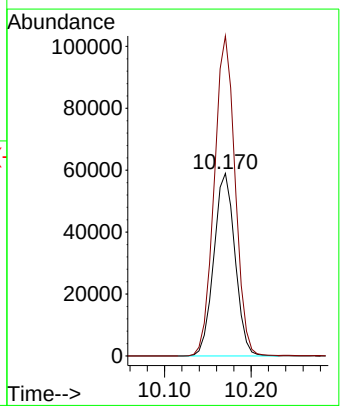
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

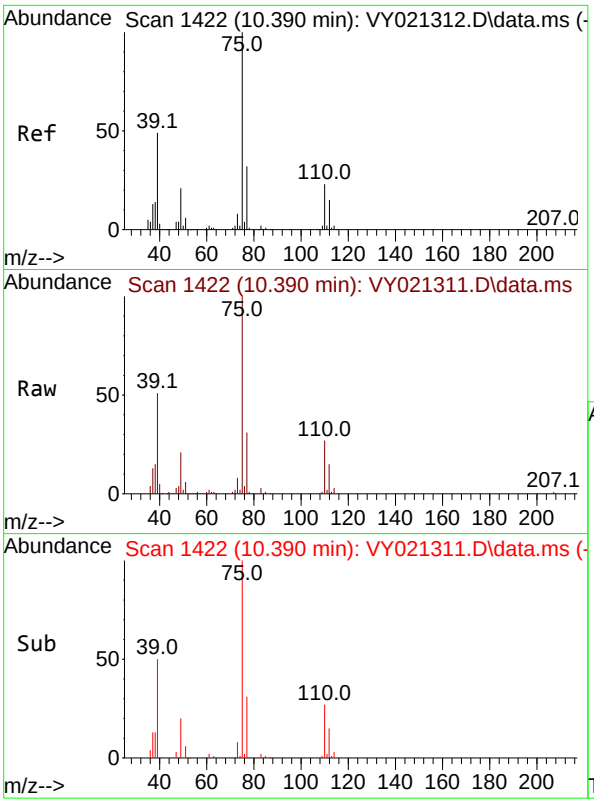


#52
Toluene
Concen: 18.854 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 92 Resp: 100050

Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.8	206.8

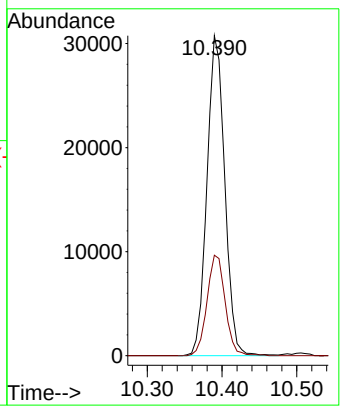




#53
t-1,3-Dichloropropene
Concen: 18.563 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 5095

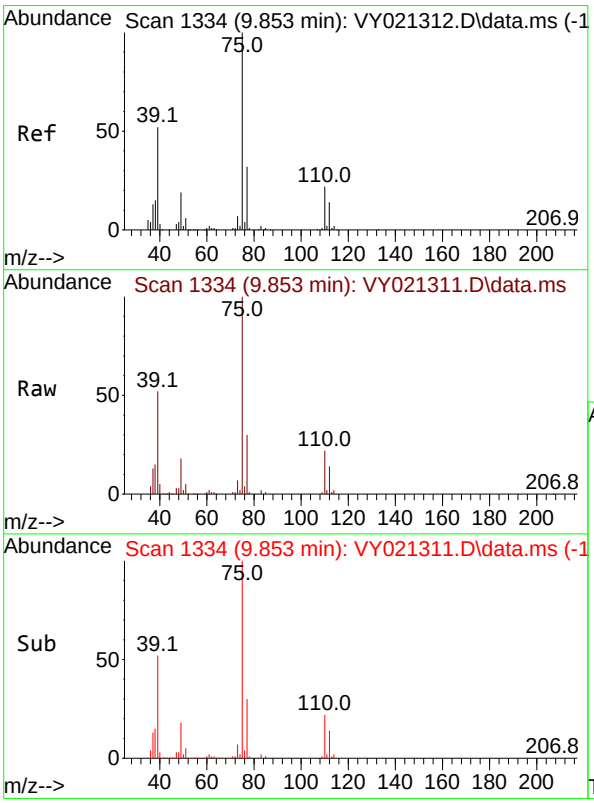
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

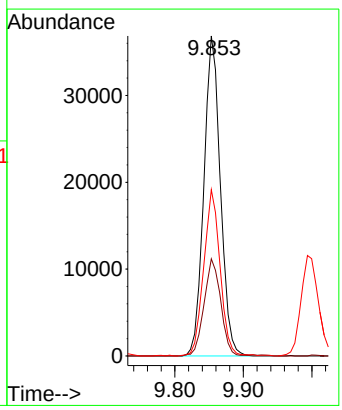
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

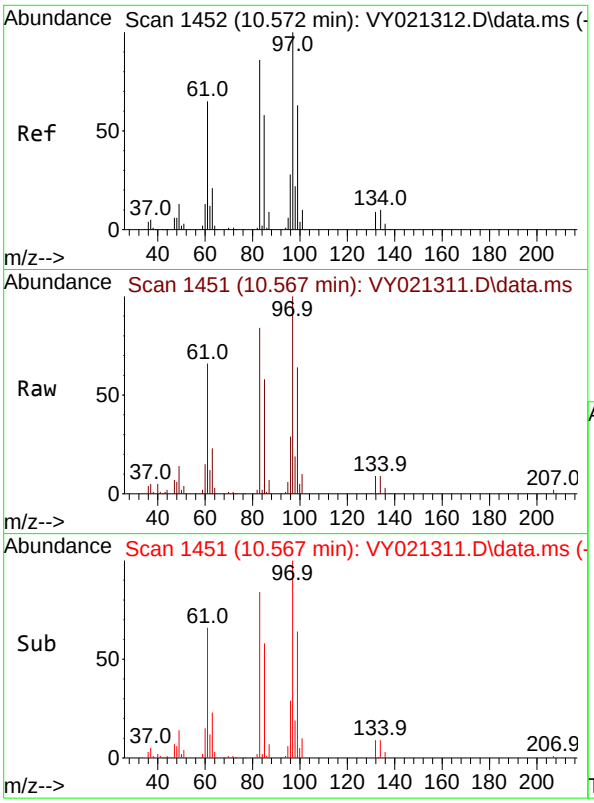


#54
cis-1,3-Dichloropropene
Concen: 19.122 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 61967

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.7	38.5
39	52.0	41.8	62.6

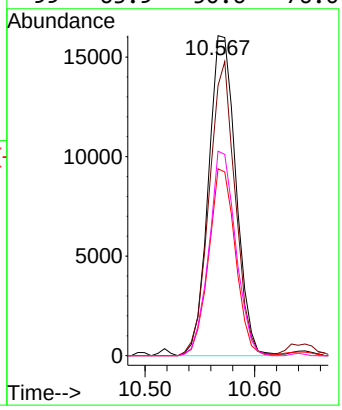




#55
1,1,2-Trichloroethane
Concen: 19.088 ug/l
RT: 10.567 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 97 Resp: 2794

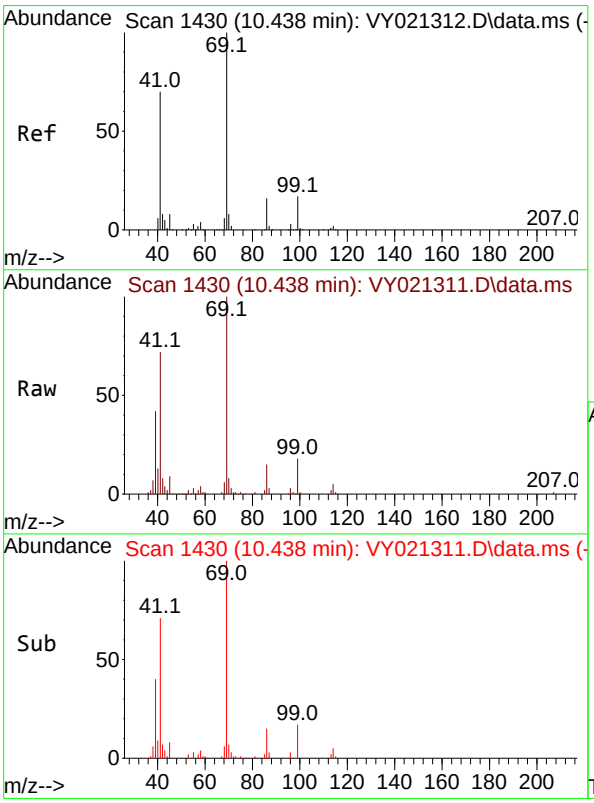
Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.7	103.1
85	58.4	46.3	69.5
99	63.9	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

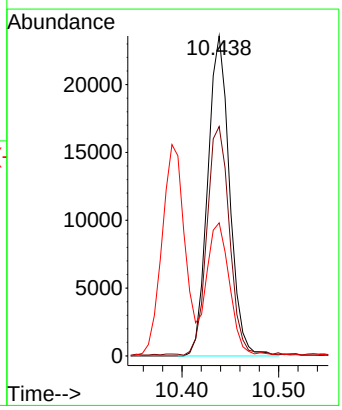
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

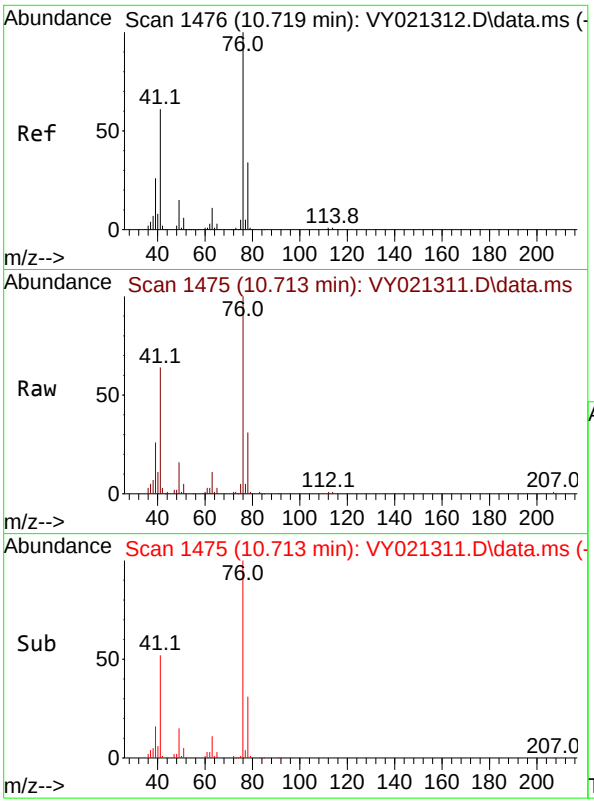


#56
Ethyl methacrylate
Concen: 18.291 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 69 Resp: 36997

Ion	Ratio	Lower	Upper
69	100		
41	74.3	56.2	84.4
39	43.9	32.7	49.1





#57
1,3-Dichloropropane
Concen: 19.270 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

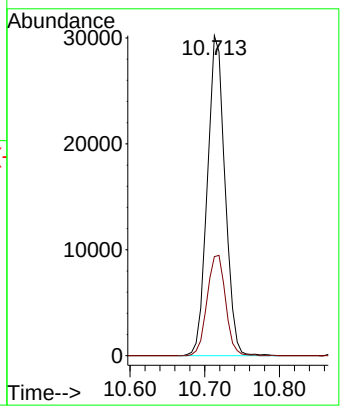
Tgt Ion: 76 Resp: 4949

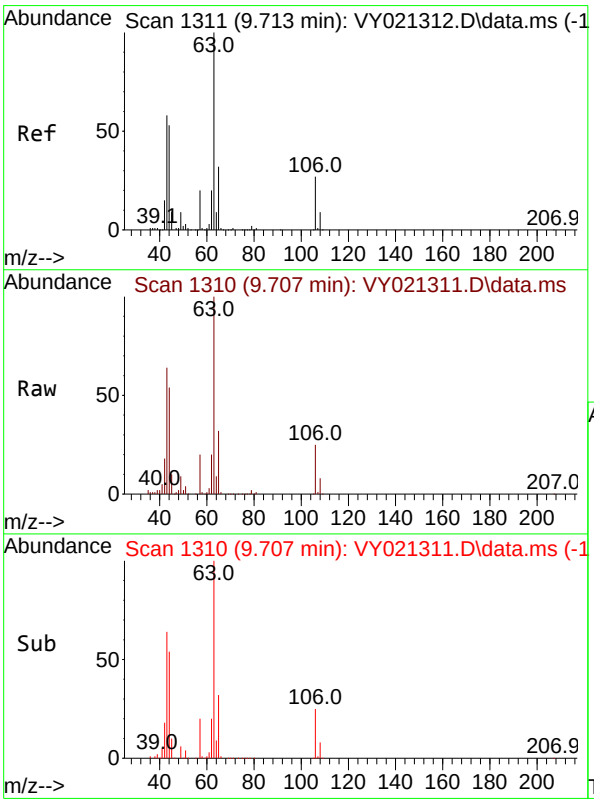
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

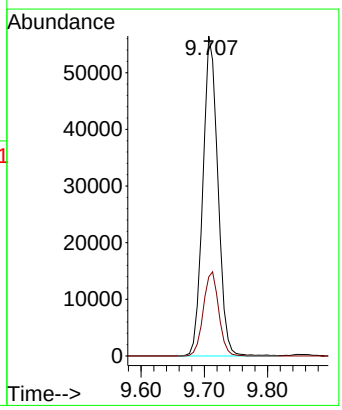


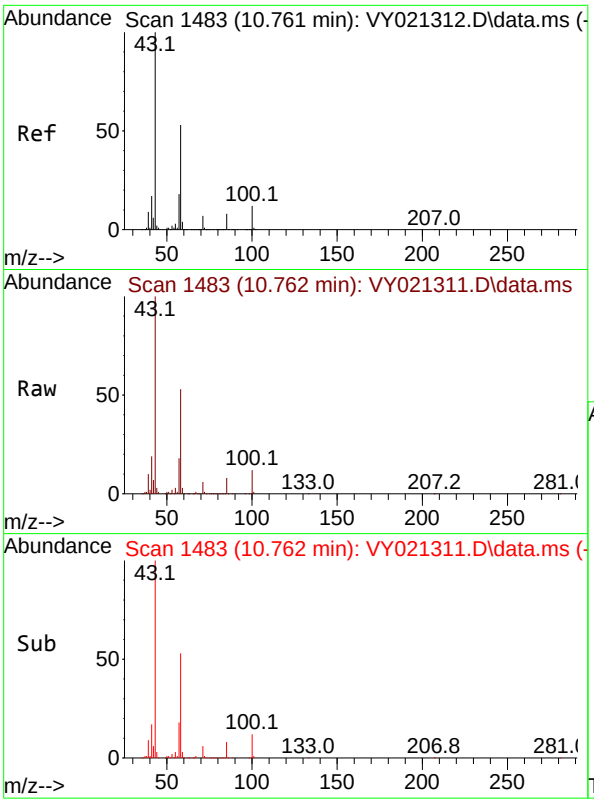


#58
2-Chloroethyl Vinyl ether
Concen: 96.179 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 93377

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5





#59
2-Hexanone
Concen: 97.163 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

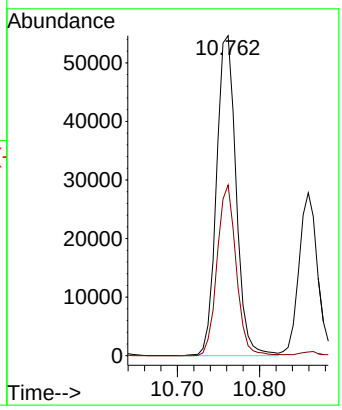
Tgt Ion: 43 Resp: 9088

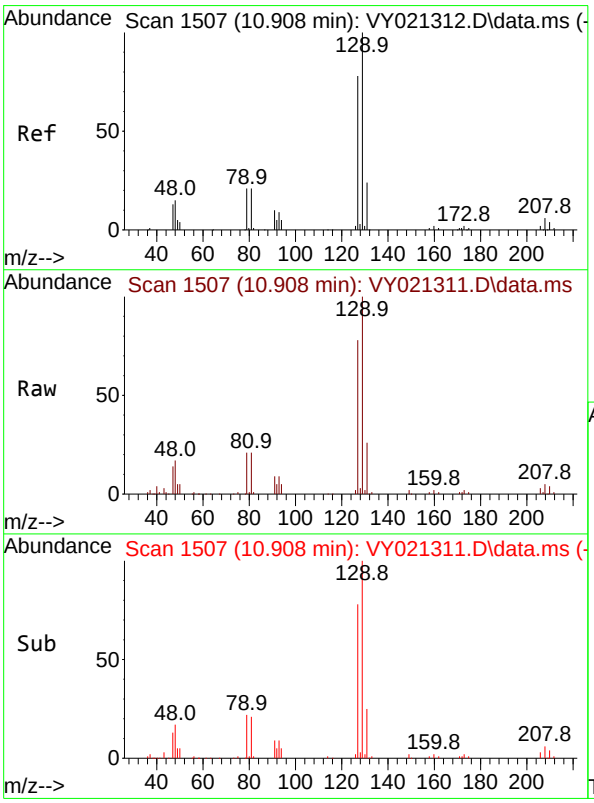
Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

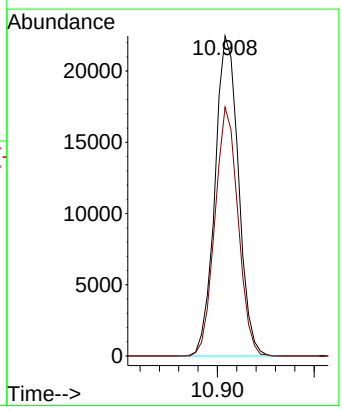


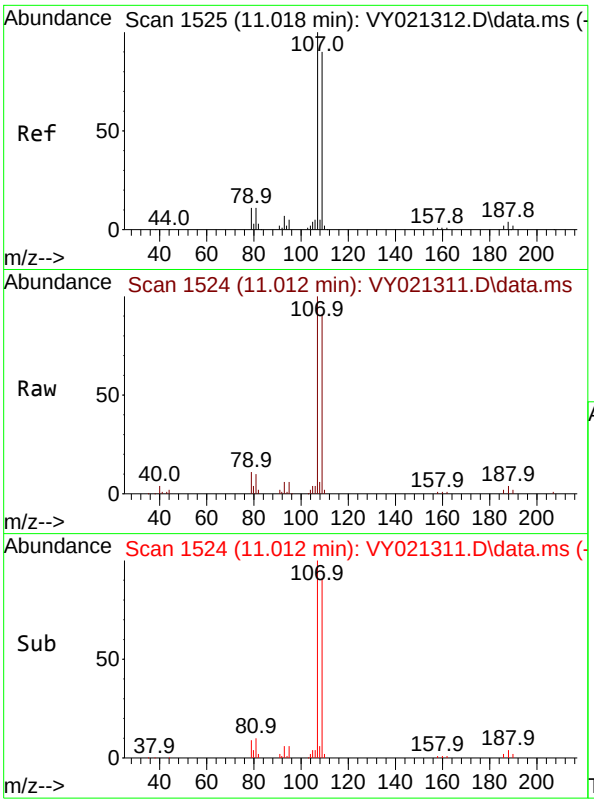


#60
Dibromochloromethane
Concen: 18.964 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:129 Resp: 37808

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.8	116.4

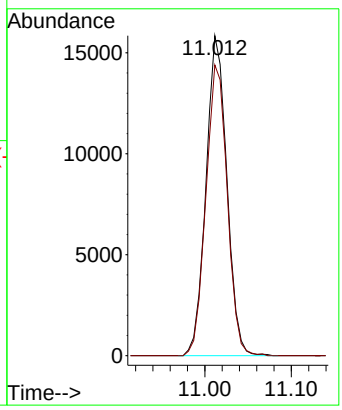




#61
1,2-Dibromoethane
Concen: 19.135 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:107 Resp: 2651

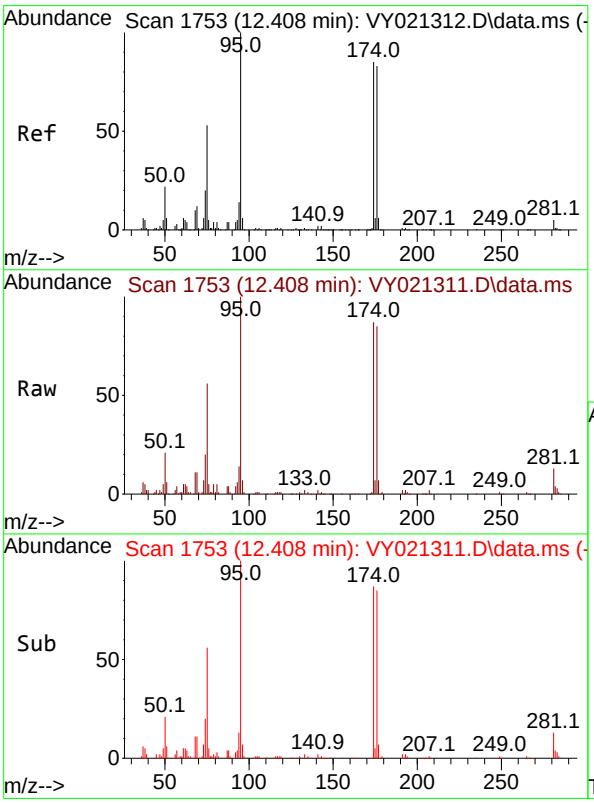
Ion	Ratio	Lower	Upper
107	100		
109	92.9	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

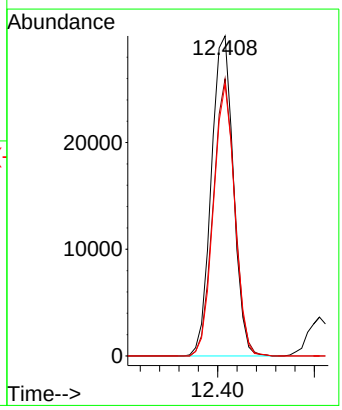
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

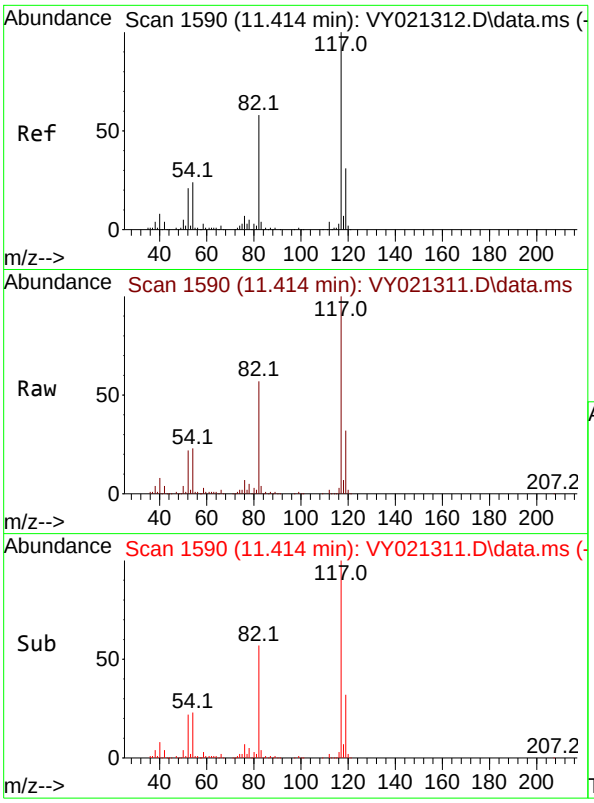


#62
4-Bromofluorobenzene
Concen: 18.950 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 95 Resp: 47417

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	168.0
176	82.0	0.0	162.6

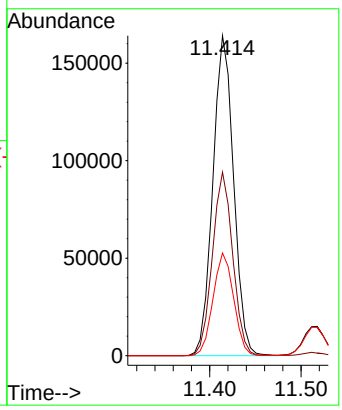




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 25889

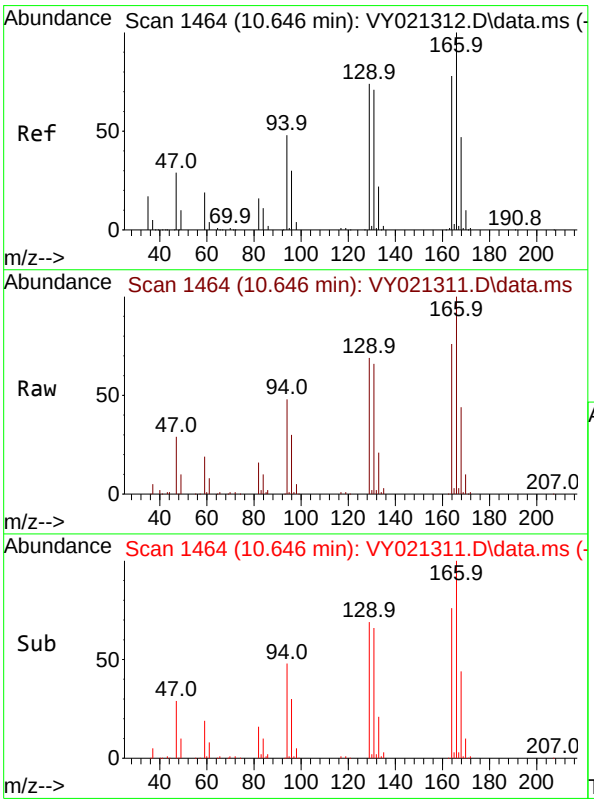
Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.2	69.4
119	32.1	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

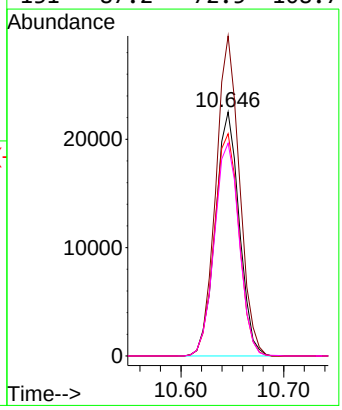
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

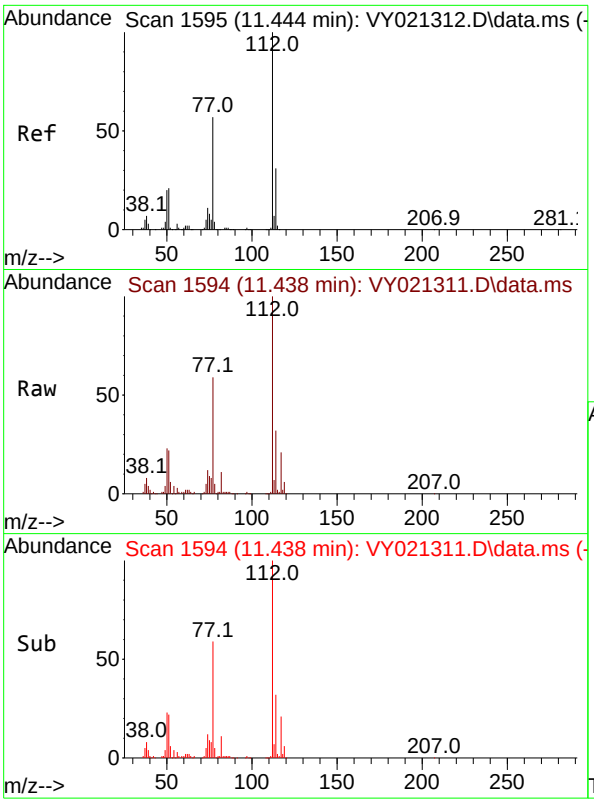


#64
Tetrachloroethene
Concen: 18.595 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:164 Resp: 36387

Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.9	152.9
129	91.1	75.5	113.3
131	87.2	72.5	108.7

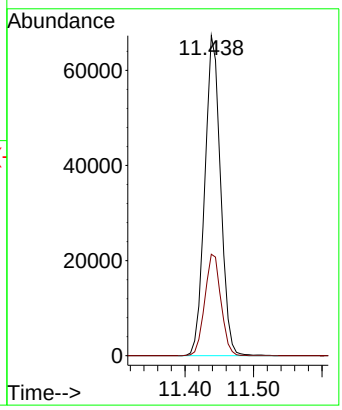




#65
Chlorobenzene
Concen: 18.519 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:112 Resp: 10762

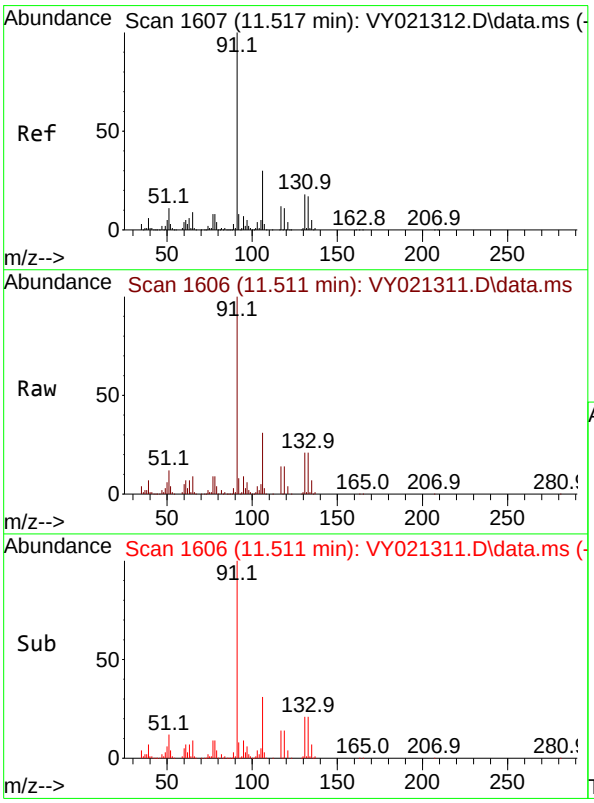
Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

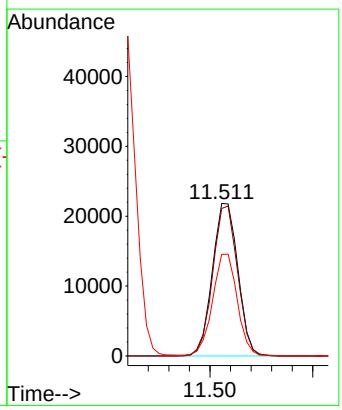
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

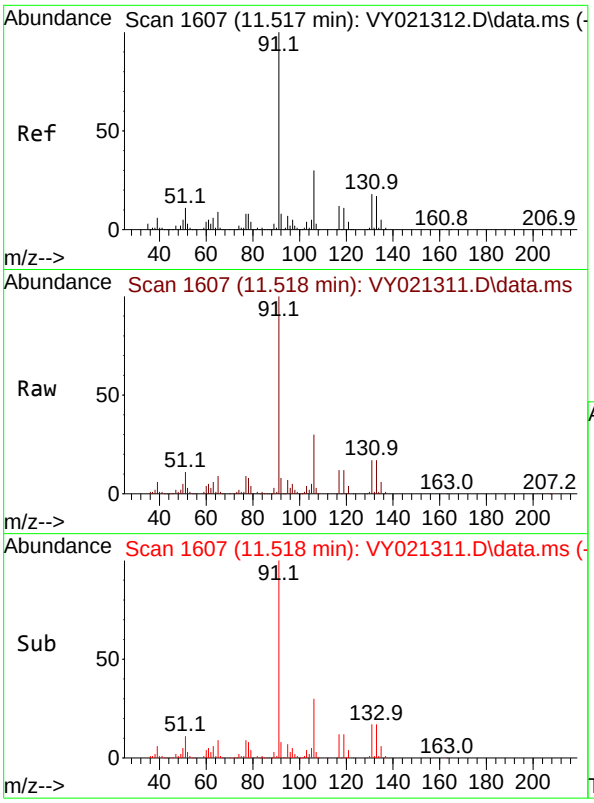


#66
1,1,1,2-Tetrachloroethane
Concen: 18.422 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:131 Resp: 37487

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.9	143.6
119	65.1	31.7	95.1

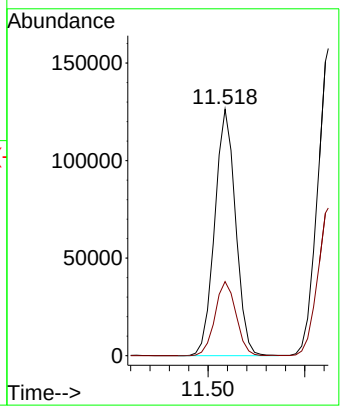




#67
Ethyl Benzene
Concen: 18.366 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 18905

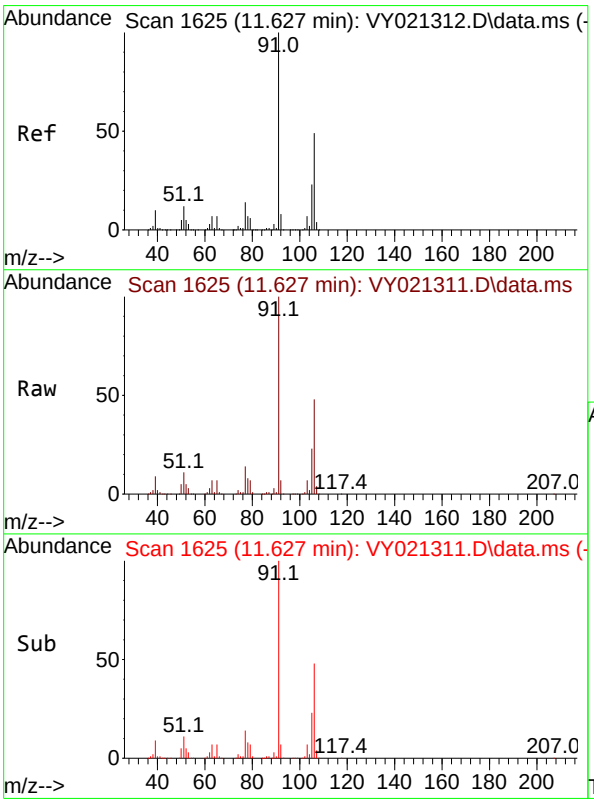
Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

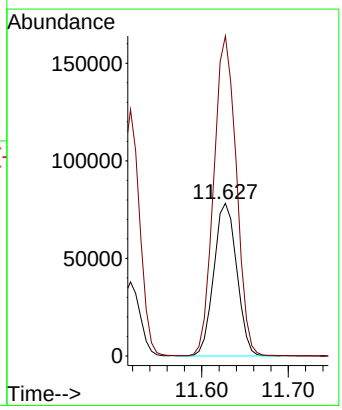
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

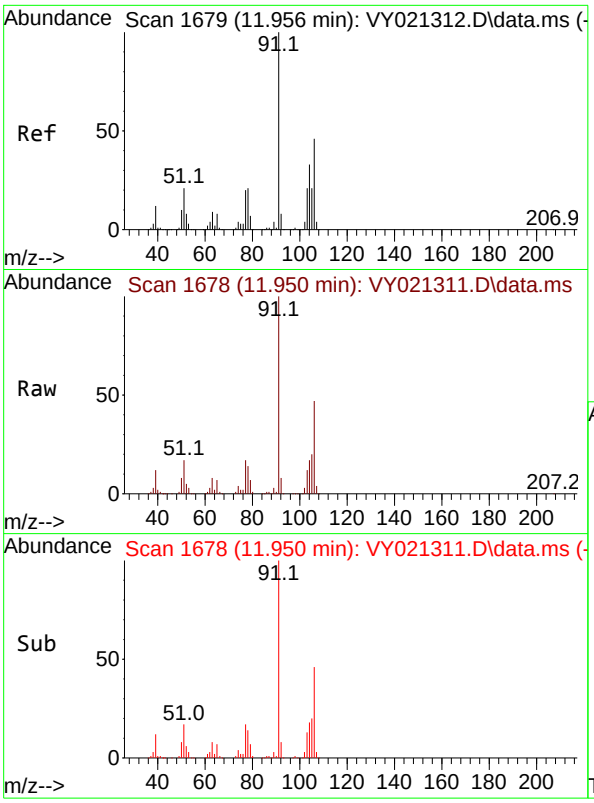


#68
m/p-Xylenes
Concen: 37.210 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:106 Resp: 144073

Ion	Ratio	Lower	Upper
106	100		
91	205.9	163.9	245.9

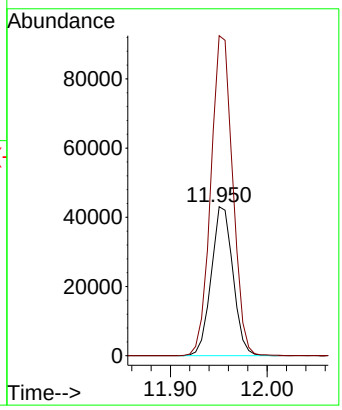




#69
o-Xylene
Concen: 18.488 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:106 Resp: 6706

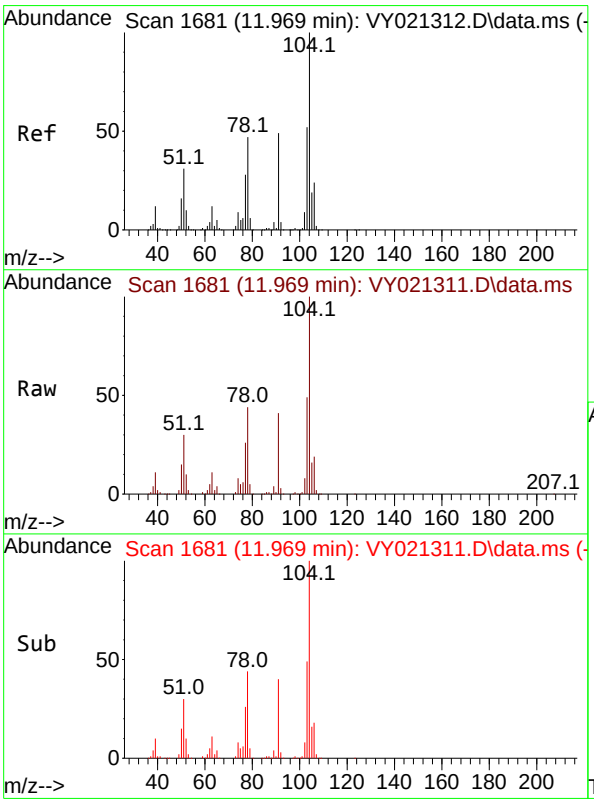
Ion	Ratio	Lower	Upper
106	100		
91	216.5	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

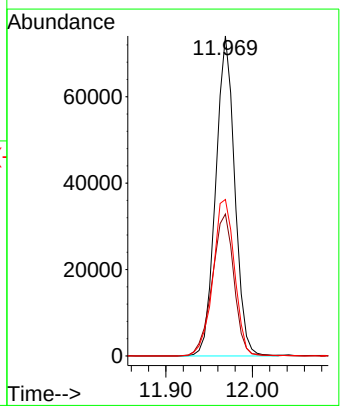
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

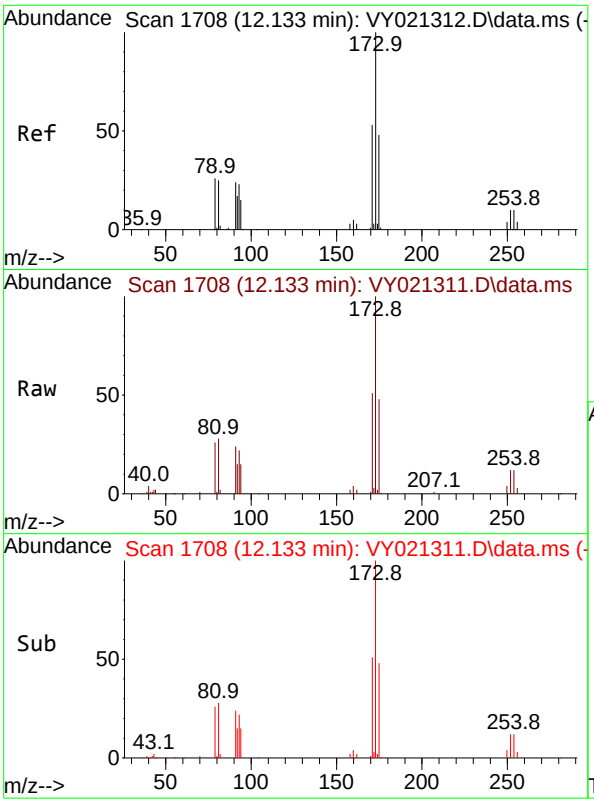


#70
Styrene
Concen: 18.729 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:104 Resp: 113033

Ion	Ratio	Lower	Upper
104	100		
78	50.7	41.3	61.9
103	55.5	43.9	65.9

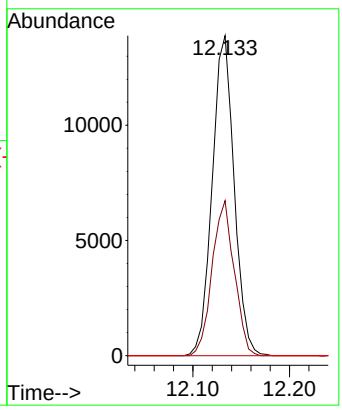




#71
Bromoform
Concen: 18.800 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:173 Resp: 2188

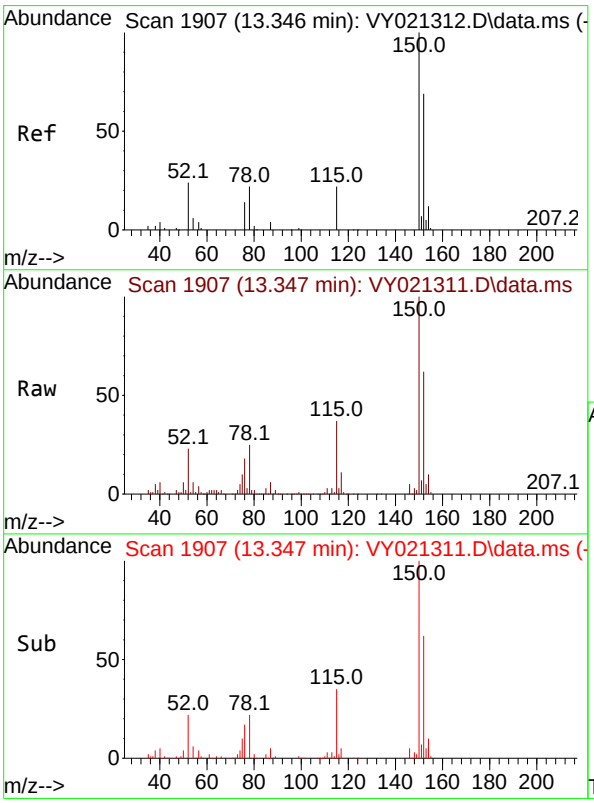
Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

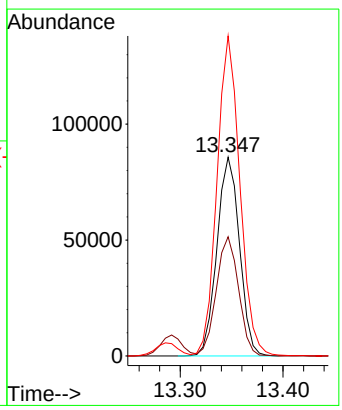
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

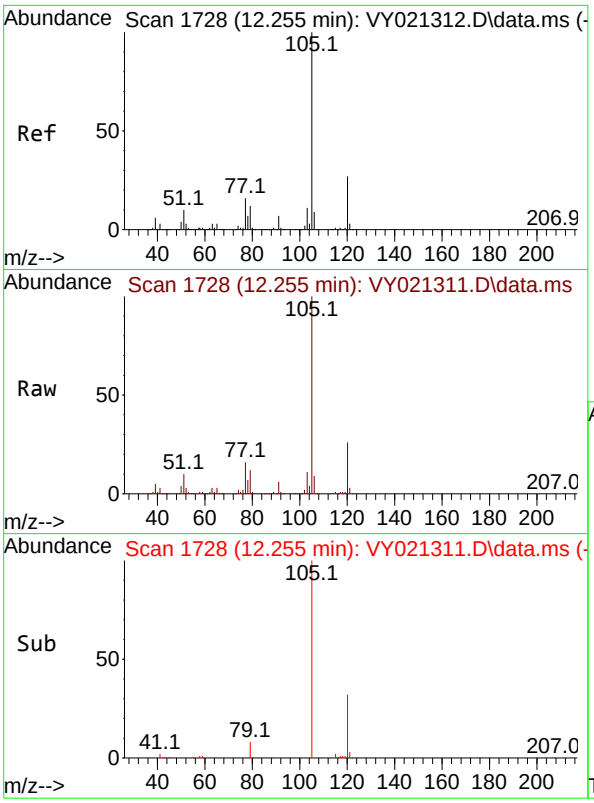


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:152 Resp: 130546

Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.3	88.0
150	163.4	0.0	347.4

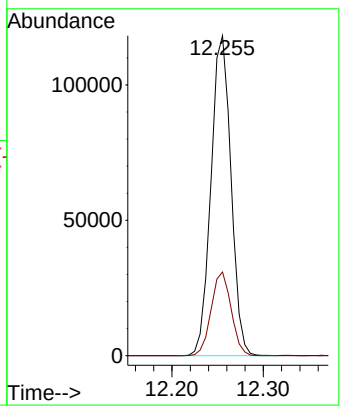




#73
Isopropylbenzene
Concen: 18.288 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 17948

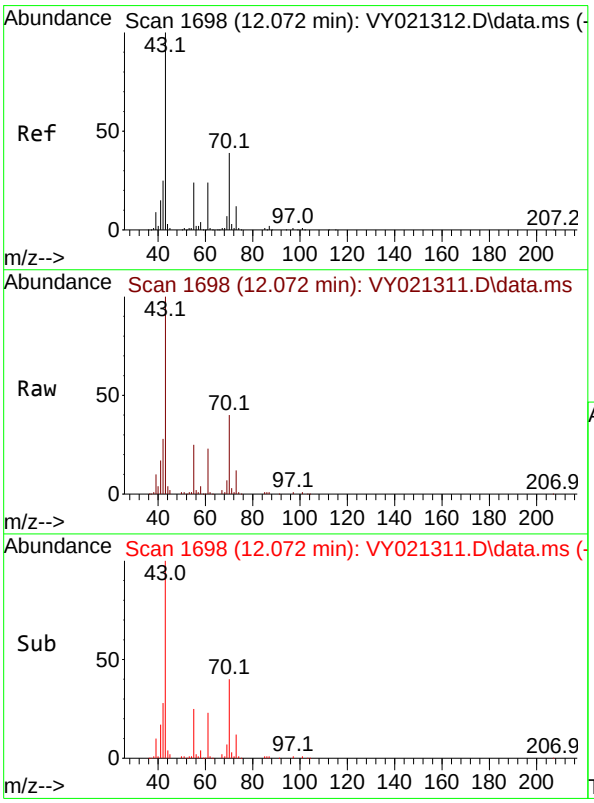
Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

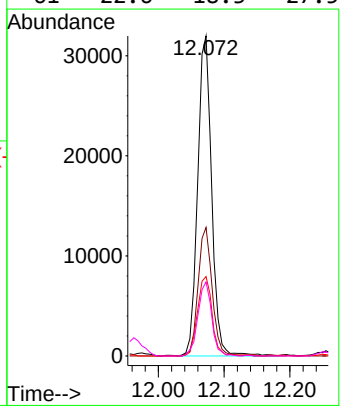
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

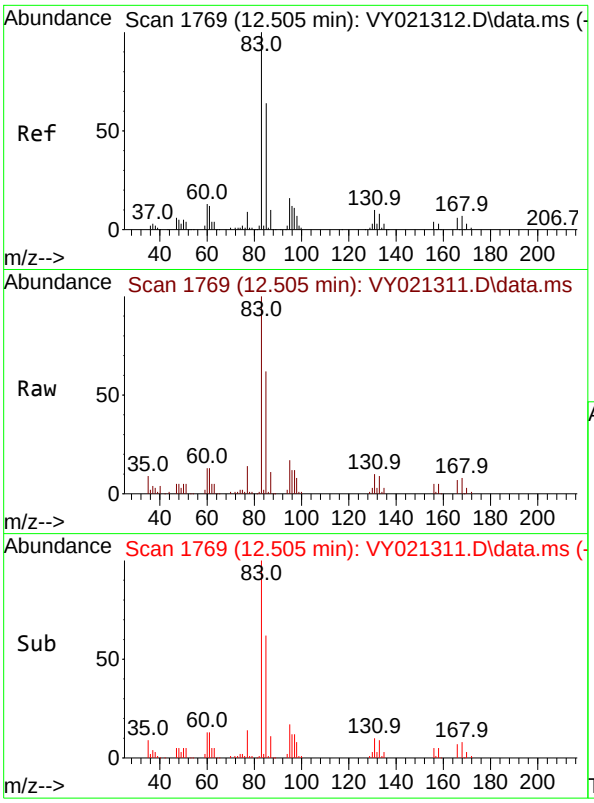


#74
N-amyl acetate
Concen: 18.930 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 47224

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.2	48.2
55	25.6	19.6	29.4
61	22.6	18.3	27.5

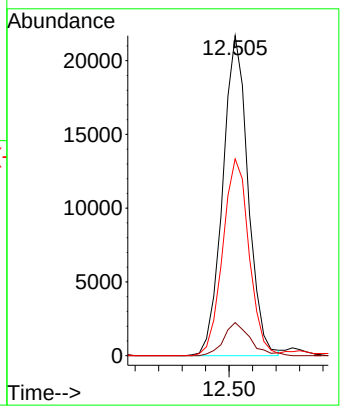




#75
1,1,2,2-Tetrachloroethane
Concen: 18.717 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 3241

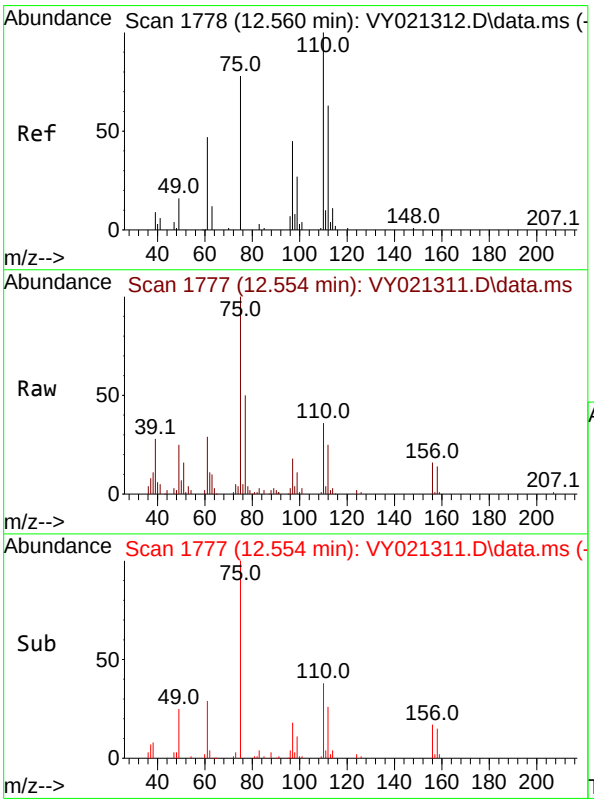
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	63.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

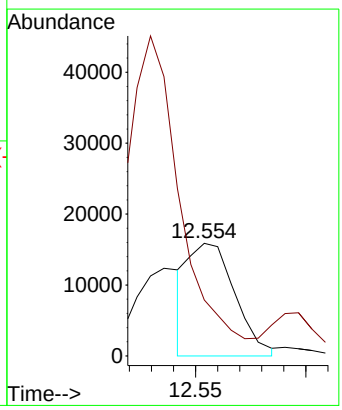
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

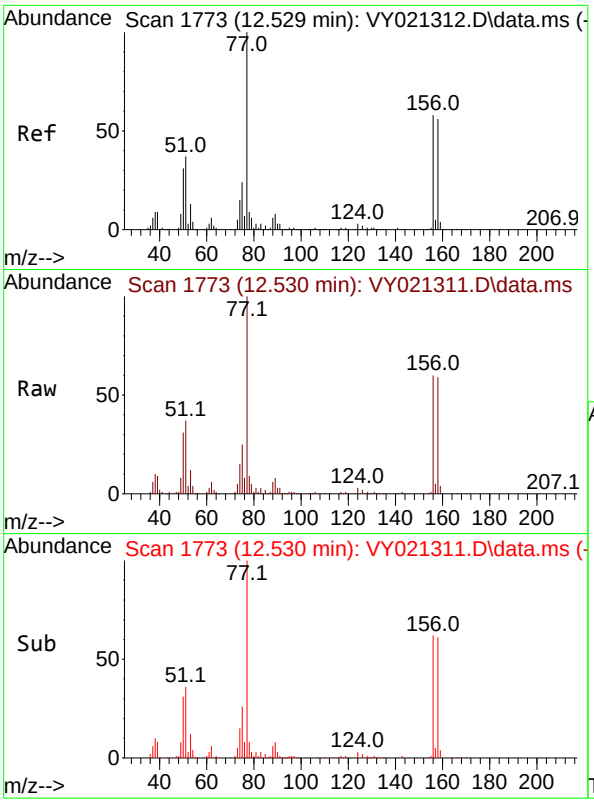


#76
1,2,3-Trichloropropane
Concen: 17.801 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 23402

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

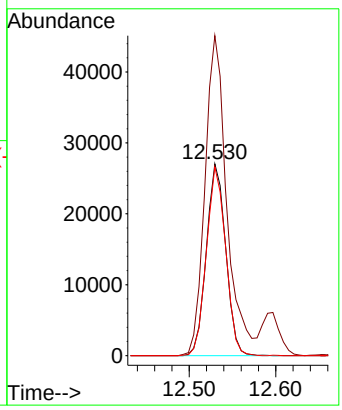




#77
Bromobenzene
Concen: 18.433 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:156 Resp: 4207

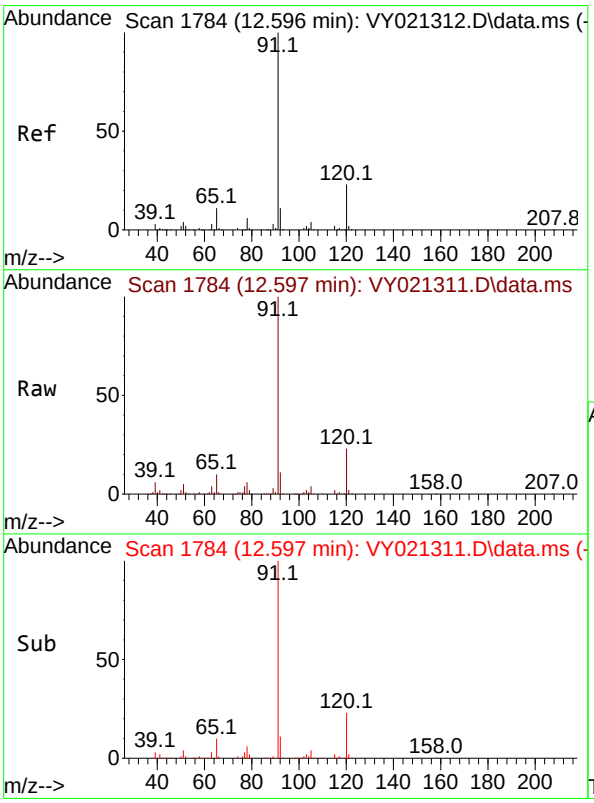
Ion	Ratio	Lower	Upper
156	100		
77	186.1	94.0	282.1
158	97.9	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

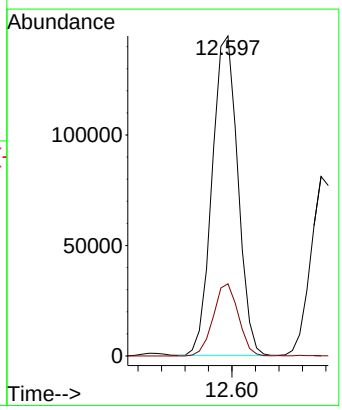
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

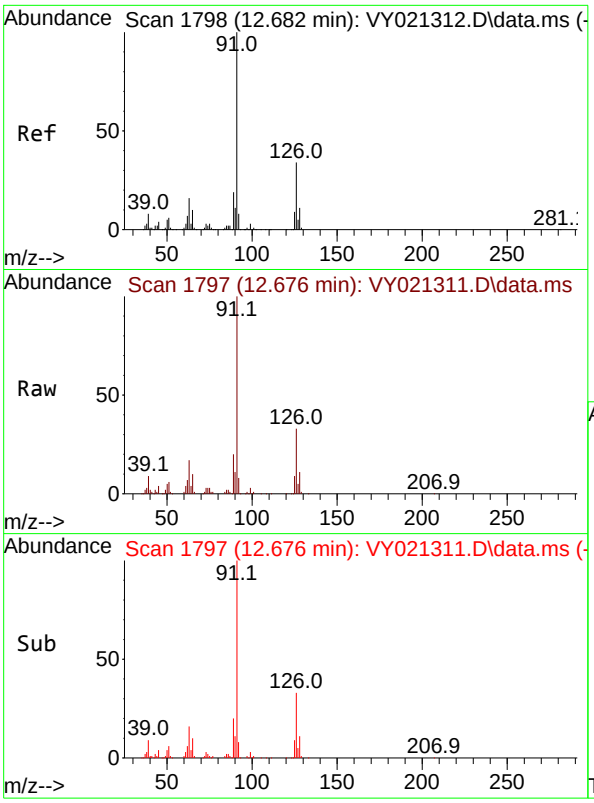


#78
n-propylbenzene
Concen: 18.486 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 220158

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.5

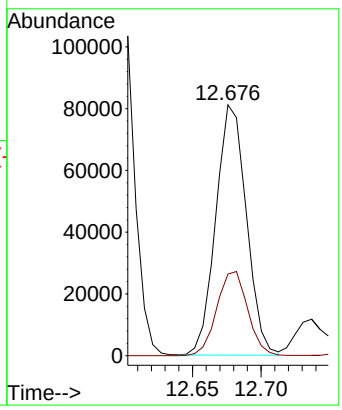




#79
2-Chlorotoluene
Concen: 18.430 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 12596

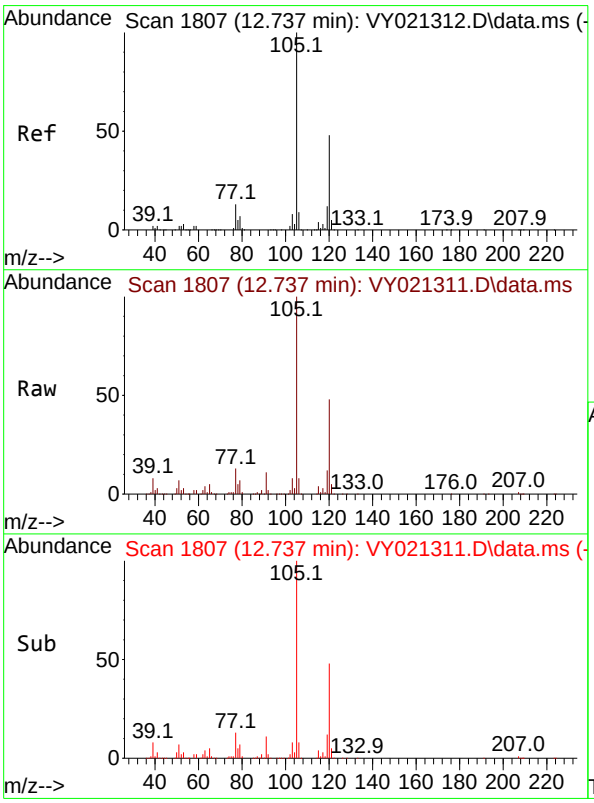
Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

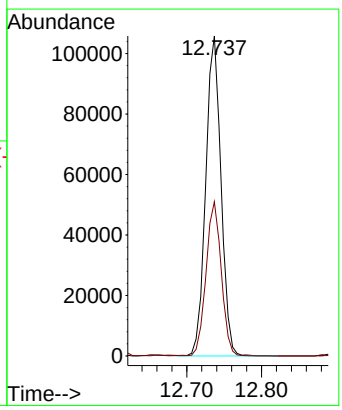
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

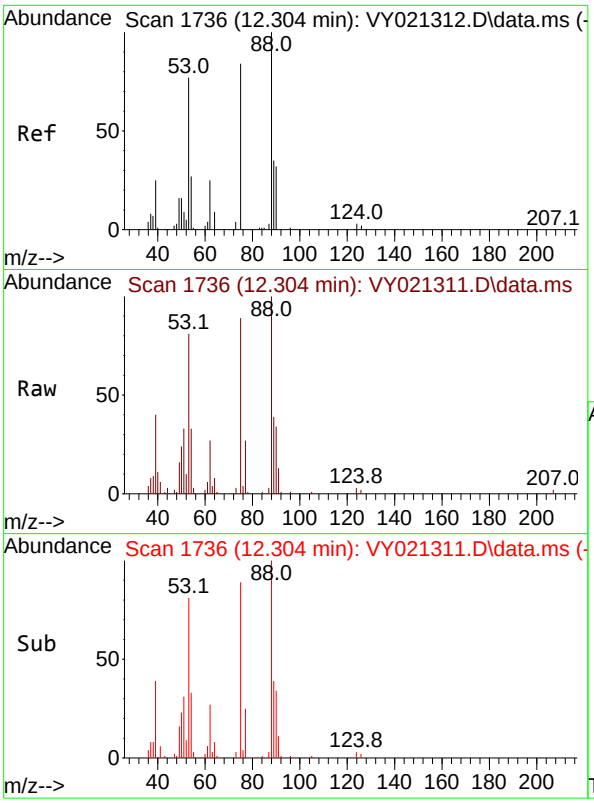


#80
1,3,5-Trimethylbenzene
Concen: 18.635 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 150004

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 18.483 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

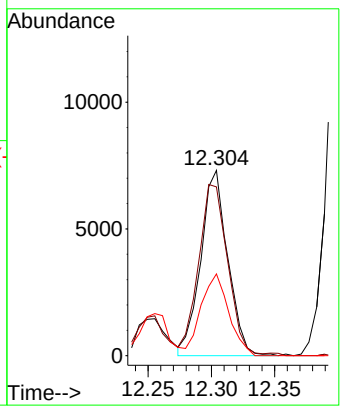
Tgt Ion: 75 Resp: 1086

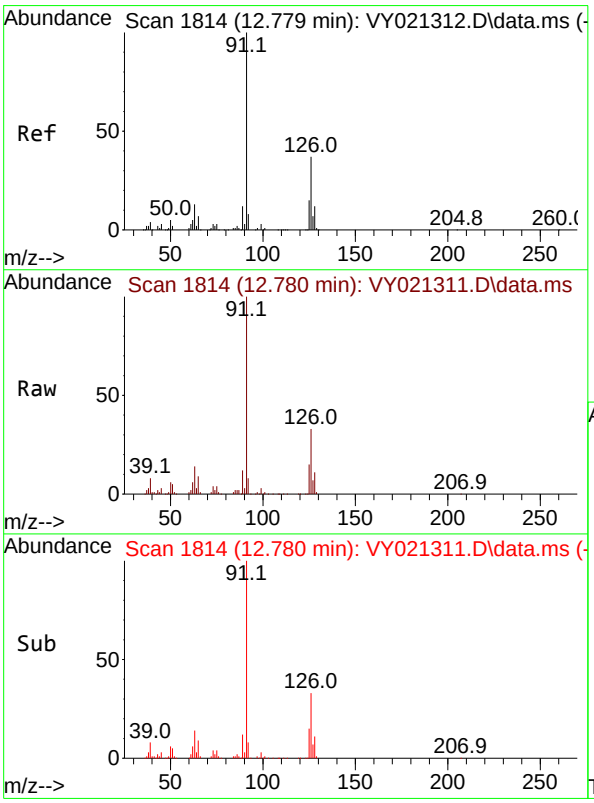
Ion	Ratio	Lower	Upper
75	100		
53	100.2	79.1	118.7
89	44.9	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

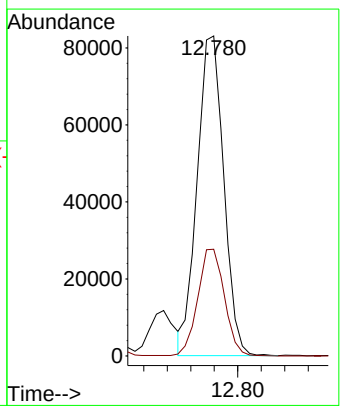


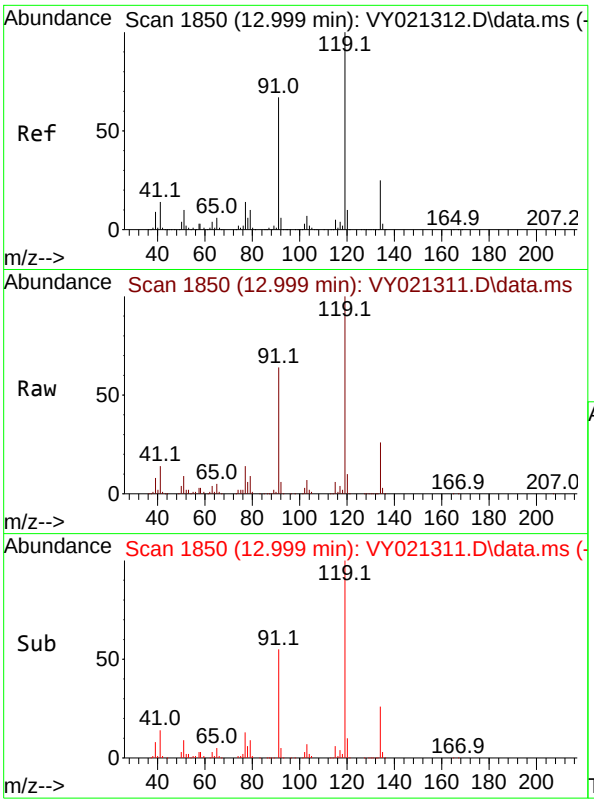


#82
4-Chlorotoluene
Concen: 18.396 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 130335

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

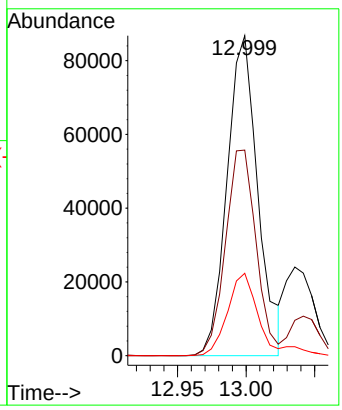




#83
tert-Butylbenzene
Concen: 18.681 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:119 Resp: 13582

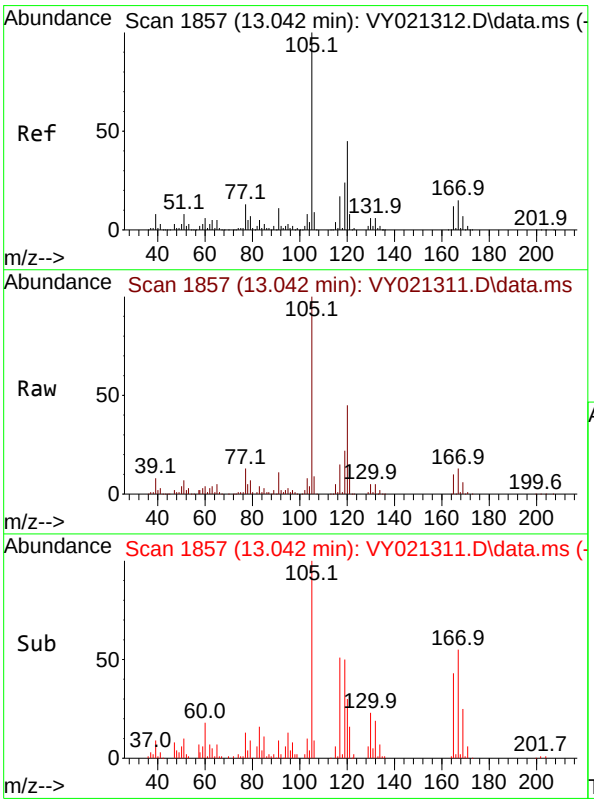
Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.7	98.1
134	26.8	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

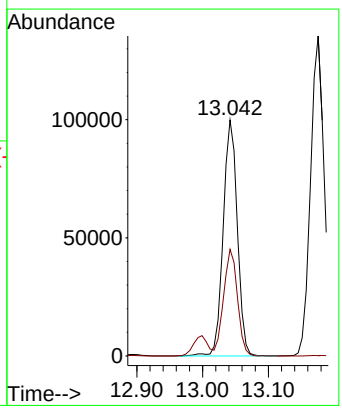
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

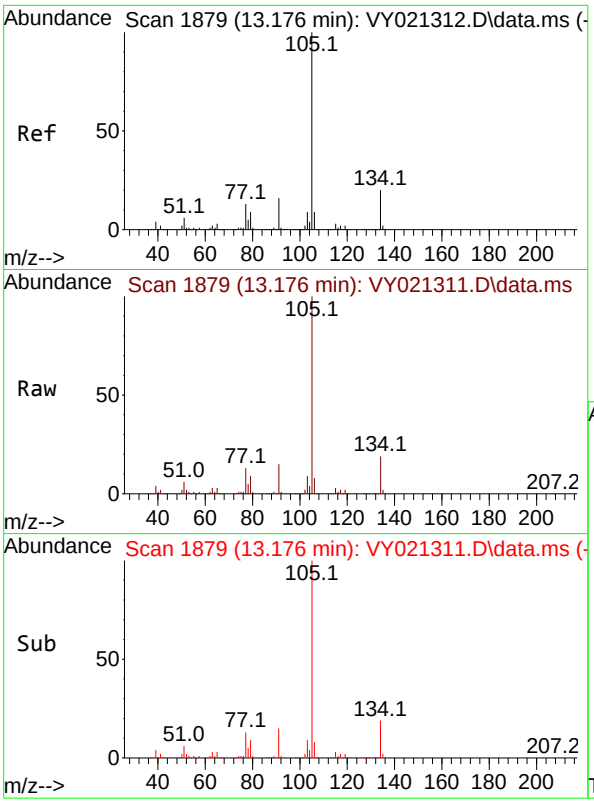


#84
1,2,4-Trimethylbenzene
Concen: 18.657 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 149358

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.4	67.3

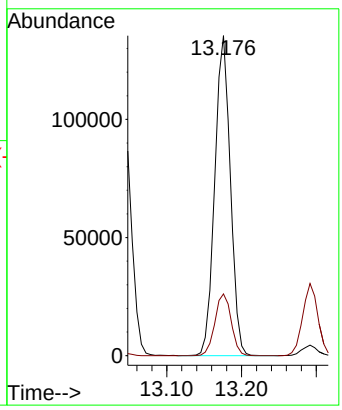




#85
sec-Butylbenzene
Concen: 18.486 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 19633

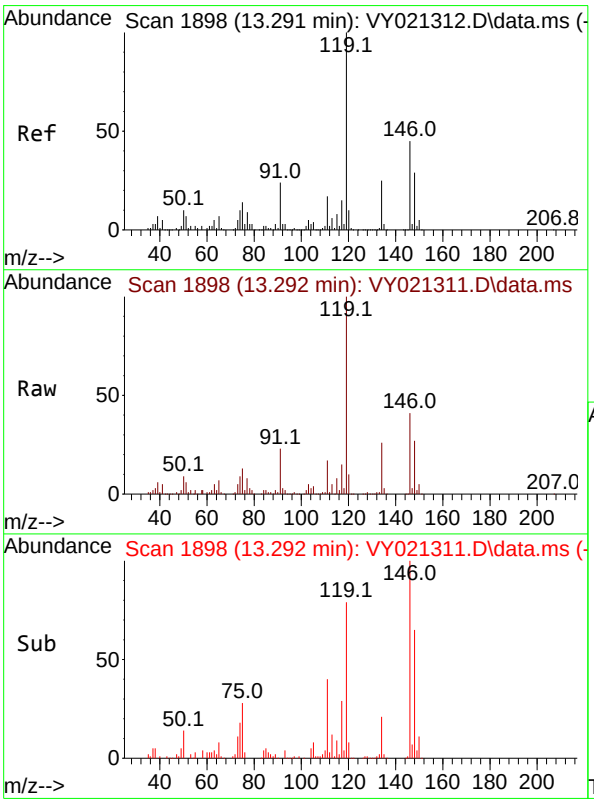
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

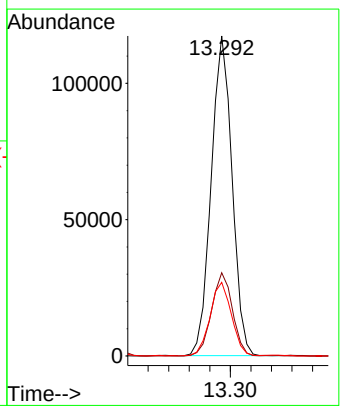
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

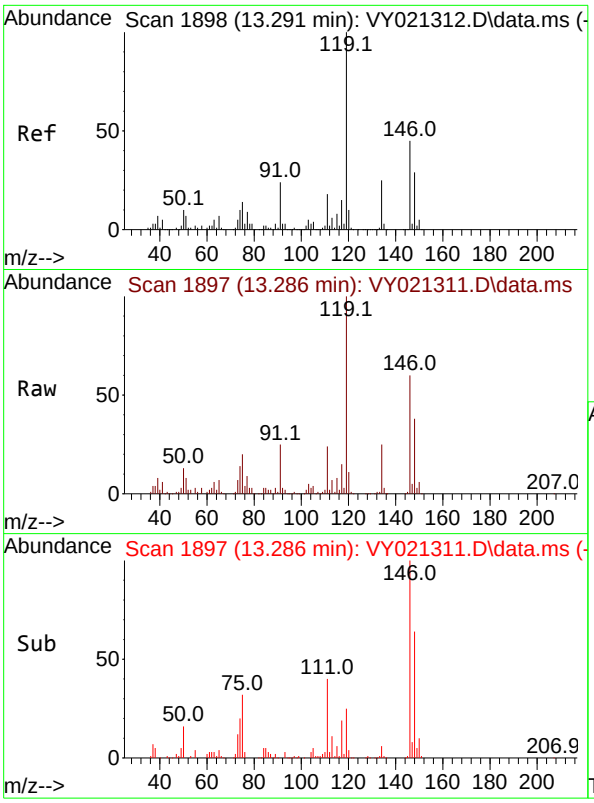


#86
p-Isopropyltoluene
Concen: 18.620 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:119 Resp: 165127

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	38.9
91	23.5	12.0	36.1

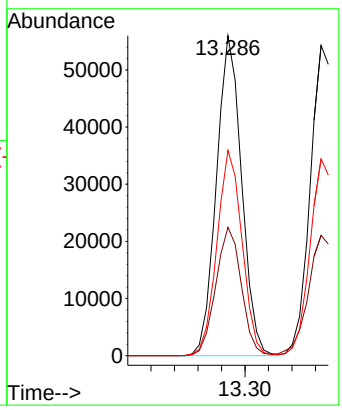




#87
1,3-Dichlorobenzene
Concen: 18.483 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 8346

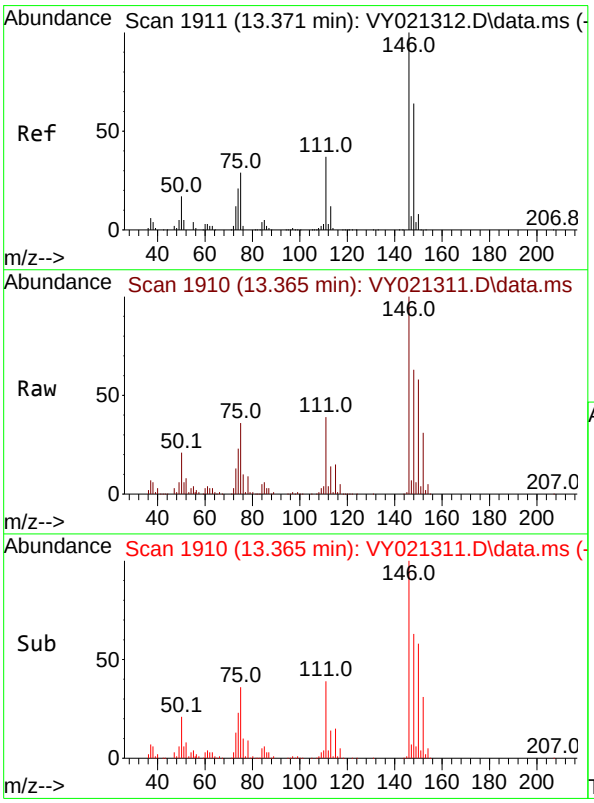
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	64.0	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

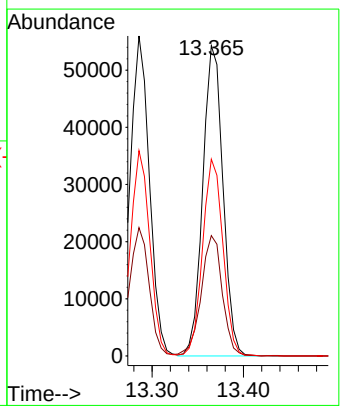
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

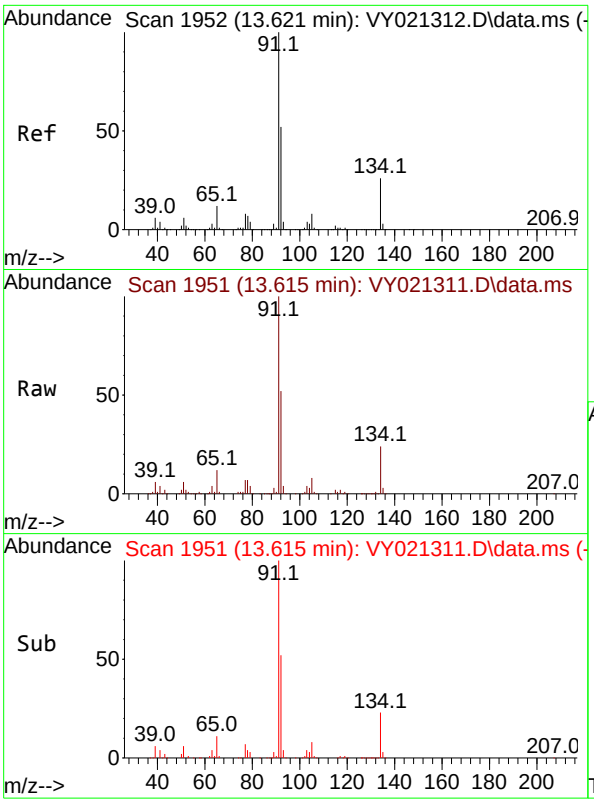


#88
1,4-Dichlorobenzene
Concen: 18.646 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 83179

Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.5	58.5
148	63.9	32.0	96.2

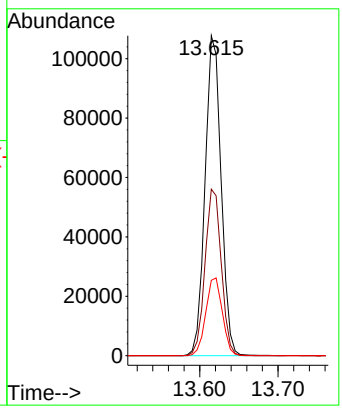




#89
n-Butylbenzene
Concen: 18.337 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 15303

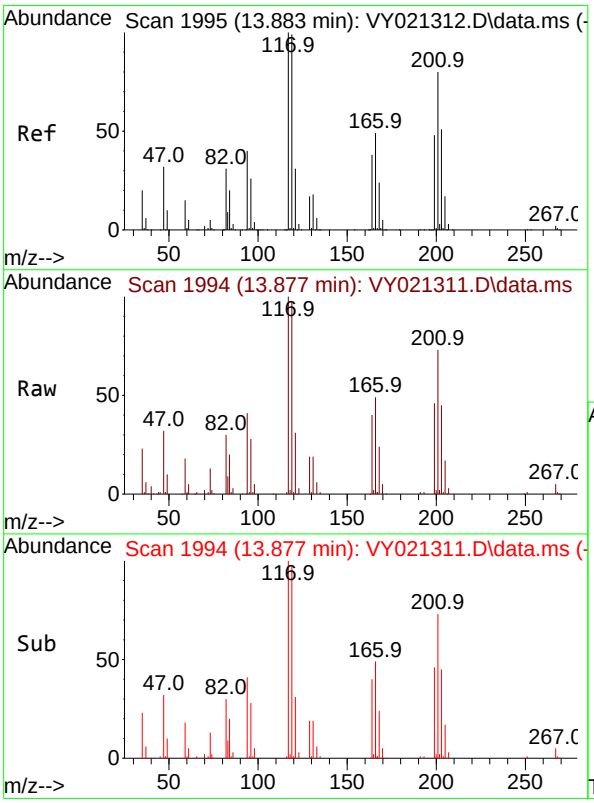
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	25.0	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

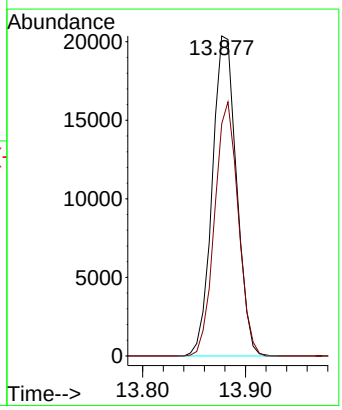
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

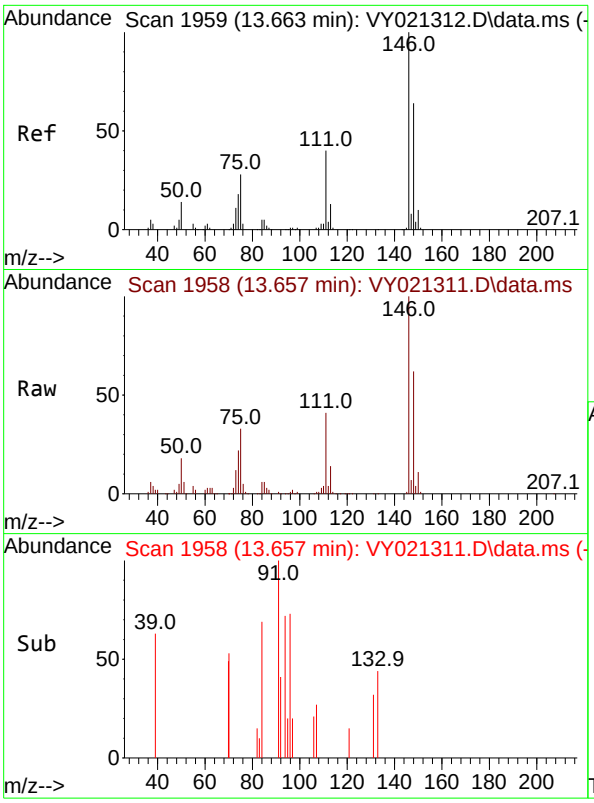


#90
Hexachloroethane
Concen: 17.998 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 33341

Ion	Ratio	Lower	Upper
117	100		
201	77.3	38.4	115.2

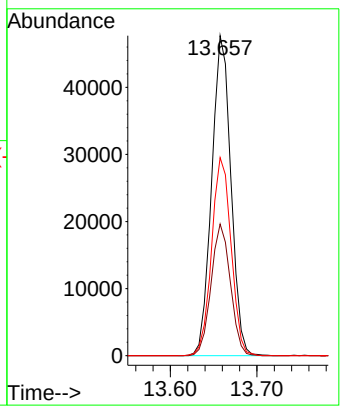




#91
1,2-Dichlorobenzene
Concen: 18.581 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 7351

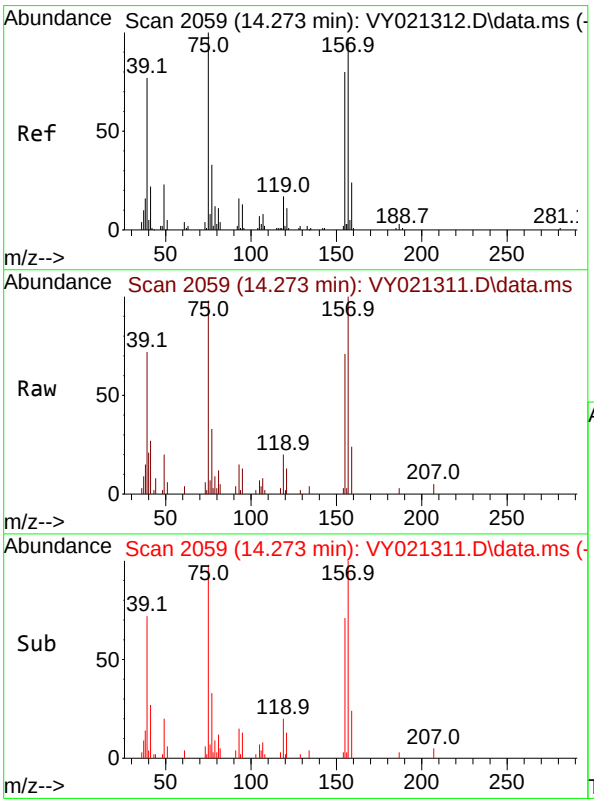
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	62.8	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

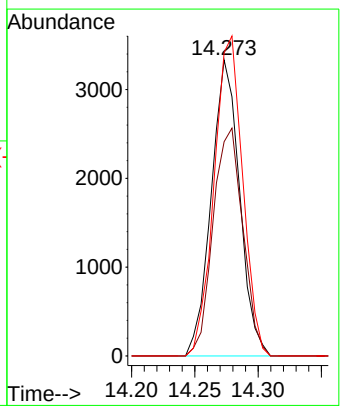
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

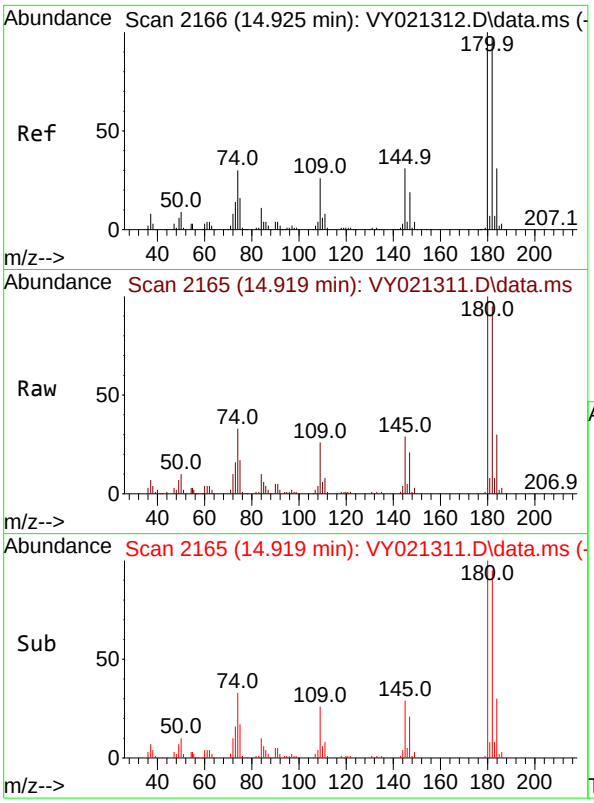


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.908 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 5181

Ion	Ratio	Lower	Upper
75	100		
155	81.2	41.9	125.6
157	109.0	52.5	157.6

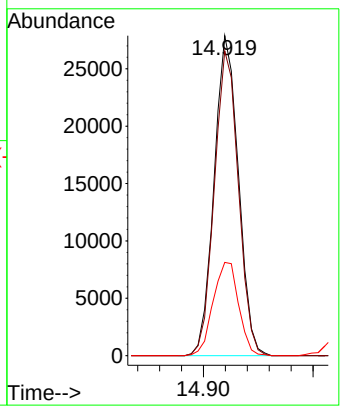




#93
1,2,4-Trichlorobenzene
Concen: 17.770 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:180 Resp: 4290

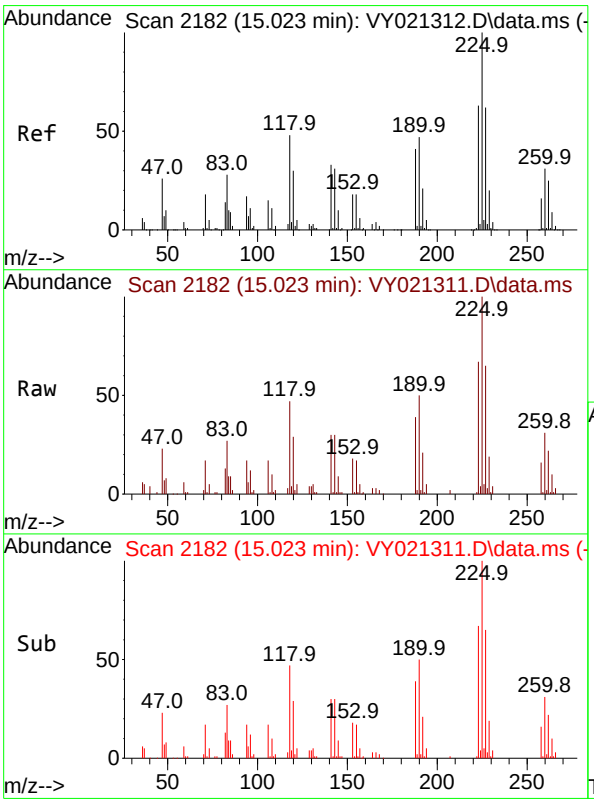
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	30.7	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

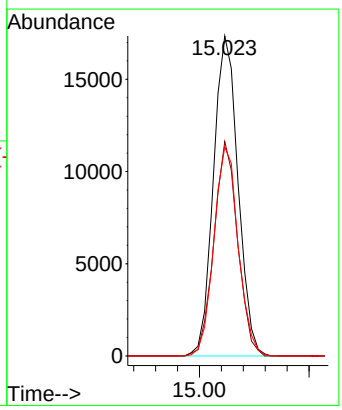
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

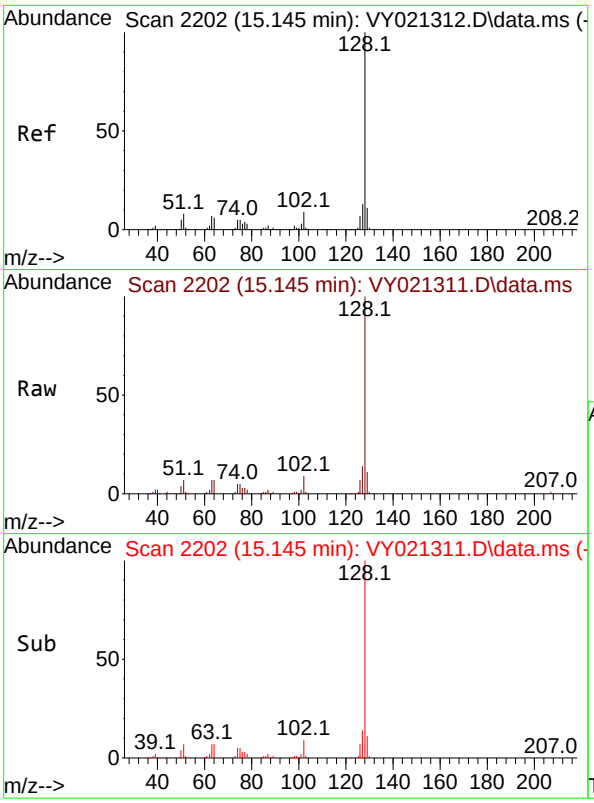


#94
Hexachlorobutadiene
Concen: 17.771 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:225 Resp: 27015

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.8	95.4
227	64.7	31.9	95.7

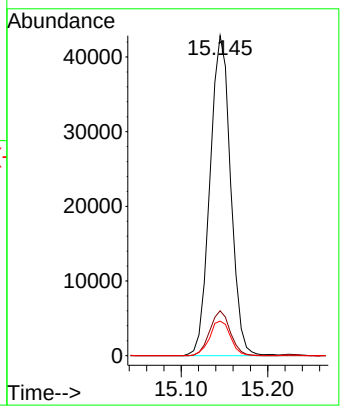




#95
Naphthalene
Concen: 17.763 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:128 Resp: 7104

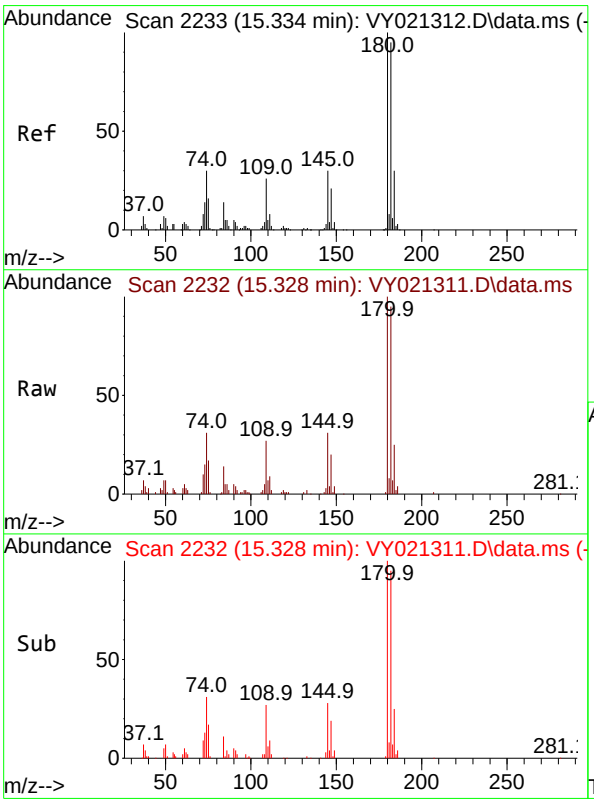
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

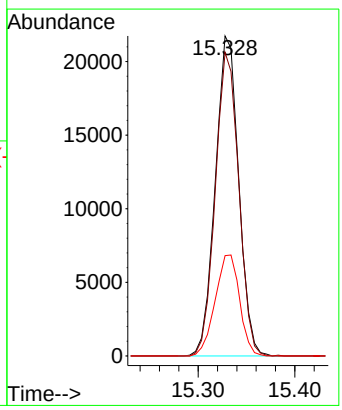
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.871 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:180 Resp: 36460

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.9
145	32.9	16.1	48.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	175365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	272563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	239724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96694	48.606	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.220%			
35) Dibromofluoromethane	7.634	113	88513	49.533	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.060%			
50) Toluene-d8	10.103	98	340929	49.367	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.740%			
62) 4-Bromofluorobenzene	12.408	95	115401	49.652	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86387	51.957	ug/l	100
3) Chloromethane	2.068	50	105626	49.191	ug/l	100
4) Vinyl Chloride	2.202	62	109961	52.173	ug/l	100
5) Bromomethane	2.592	94	67780	48.395	ug/l	100
6) Chloroethane	2.732	64	68323	52.276	ug/l	100
7) Trichlorofluoromethane	3.056	101	164215	51.592	ug/l	100
8) Diethyl Ether	3.452	74	50185	52.532	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	94197	51.116	ug/l	100
10) Methyl Iodide	4.007	142	111673	57.600	ug/l	100
11) Tert butyl alcohol	4.854	59	35300	230.691	ug/l	100
12) 1,1-Dichloroethene	3.787	96	90388	51.226	ug/l	100
13) Acrolein	3.647	56	5860	49.975	ug/l	100
14) Allyl chloride	4.385	41	162419	51.918	ug/l	100
15) Acrylonitrile	5.055	53	111677	264.397	ug/l	100
16) Acetone	3.866	43	111923	293.294	ug/l	100
17) Carbon Disulfide	4.104	76	304042	51.892	ug/l	100
18) Methyl Acetate	4.385	43	48368	51.864	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	247280	53.043	ug/l	100
20) Methylene Chloride	4.610	84	102592	49.716	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	100568	51.774	ug/l	100
22) Diisopropyl ether	6.012	45	343920	53.126	ug/l	100
23) Vinyl Acetate	5.957	43	1041767	269.294	ug/l	100
24) 1,1-Dichloroethane	5.915	63	189943	52.057	ug/l	100
25) 2-Butanone	6.890	43	160248	278.240	ug/l	100
26) 2,2-Dichloropropane	6.884	77	170469	51.489	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	116627	52.579	ug/l	100
28) Bromochloromethane	7.244	49	79678	49.352	ug/l	100
29) Tetrahydrofuran	7.256	42	100417	266.741	ug/l	100
30) Chloroform	7.421	83	191980	51.925	ug/l	100
31) Cyclohexane	7.701	56	173460	49.456	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	172880	51.372	ug/l	100
36) 1,1-Dichloropropene	7.835	75	140574	52.371	ug/l	100
37) Ethyl Acetate	6.982	43	70184	52.565	ug/l	100
38) Carbon Tetrachloride	7.817	117	158319	52.465	ug/l	100
39) Methylcyclohexane	9.109	83	180496	53.165	ug/l	100
40) Benzene	8.079	78	417798	52.655	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	39965	53.535	ug/l	100
42) 1,2-Dichloroethane	8.158	62	118176	52.494	ug/l	100
43) Isopropyl Acetate	8.195	43	139829	54.106	ug/l	100
44) Trichloroethene	8.865	130	104074	52.389	ug/l	100
45) 1,2-Dichloropropane	9.140	63	101166	52.980	ug/l	100
46) Dibromomethane	9.231	93	55365	53.043	ug/l	100
47) Bromodichloromethane	9.420	83	147382	52.957	ug/l	100
48) Methyl methacrylate	9.219	41	67406	55.775	ug/l	100
49) 1,4-Dioxane	9.231	88	12193	1050.591	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	364446	275.485	ug/l	100
52) Toluene	10.170	92	263062	53.367	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	140399	55.062	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	161021	53.492	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	72720	53.481	ug/l	100
56) Ethyl methacrylate	10.438	69	106914	56.904	ug/l	100
57) 1,3-Dichloropropane	10.719	76	127795	53.559	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	260718	289.104	ug/l	100
59) 2-Hexanone	10.761	43	249578	287.258	ug/l	100
60) Dibromochloromethane	10.908	129	100250	54.134	ug/l	100
61) 1,2-Dibromoethane	11.018	107	69236	53.783	ug/l	100
64) Tetrachloroethene	10.646	164	93317	51.501	ug/l	100
65) Chlorobenzene	11.444	112	281918	52.390	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	99131	52.611	ug/l	100
67) Ethyl Benzene	11.517	91	510639	53.573	ug/l	100
68) m/p-Xylenes	11.627	106	384346	107.204	ug/l	100
69) o-Xylene	11.956	106	181728	54.108	ug/l	100
70) Styrene	11.969	104	306007	54.760	ug/l	100
71) Bromoform	12.133	173	58860	54.605	ug/l	100
73) Isopropylbenzene	12.255	105	483937	52.885	ug/l	100
74) N-amyl acetate	12.072	43	129020	55.471	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	84893	52.566	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	63683m	51.954	ug/l	
77) Bromobenzene	12.529	156	110538	51.935	ug/l	100
78) n-propylbenzene	12.596	91	587915	52.946	ug/l	100
79) 2-Chlorotoluene	12.682	91	330472	51.857	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	395609	52.712	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	29649	54.090	ug/l	100
82) 4-Chlorotoluene	12.779	91	342611	51.864	ug/l	100
83) tert-Butylbenzene	12.999	119	352055	51.930	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	395315	52.962	ug/l	100
85) sec-Butylbenzene	13.176	105	518094	52.319	ug/l	100
86) p-Isopropyltoluene	13.291	119	437283	52.884	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	218136	51.811	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	213090	51.233	ug/l	100
89) n-Butylbenzene	13.621	91	416377	53.510	ug/l	100
90) Hexachloroethane	13.883	117	87765	50.814	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	191758	51.985	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13782	53.947	ug/l	100
93) 1,2,4-Trichlorobenzene	14.925	180	117882	52.360	ug/l	100
94) Hexachlorobutadiene	15.023	225	71915	50.738	ug/l	100
95) Naphthalene	15.145	128	209478	56.174	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	100312	52.735	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

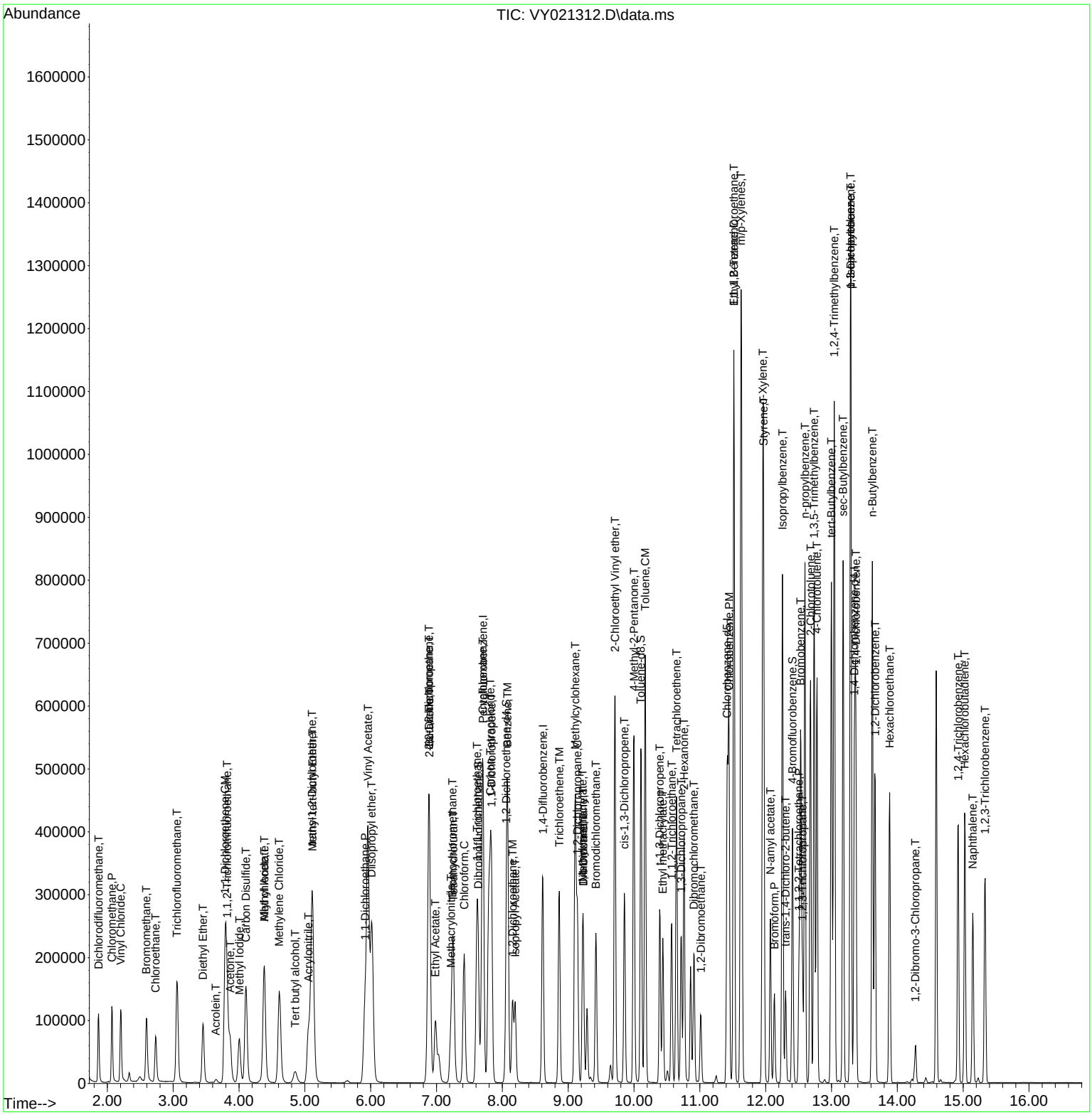
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

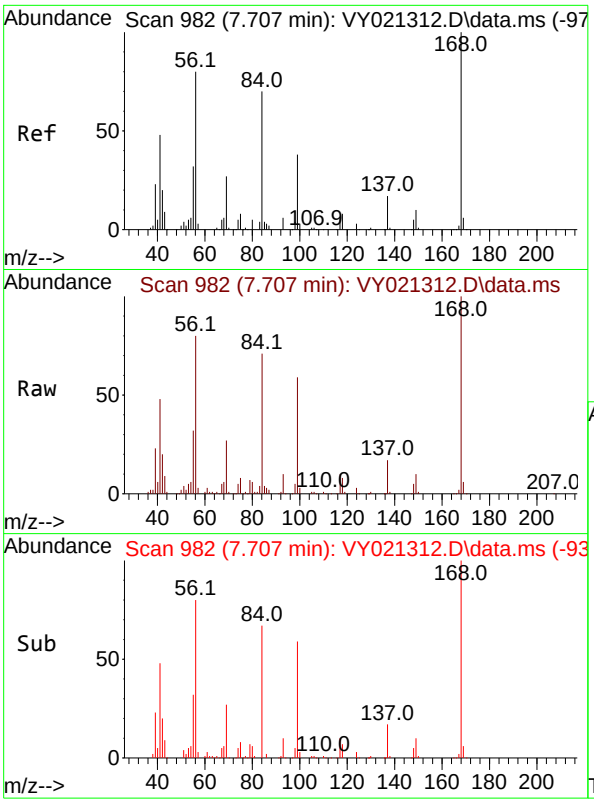
Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

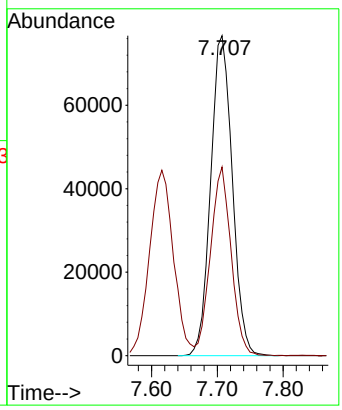




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:168 Resp: 17536

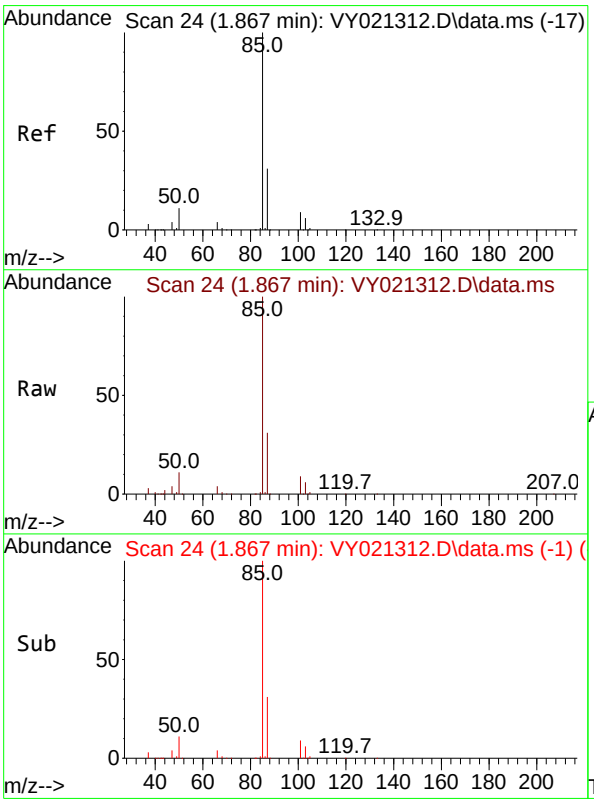
Ion	Ratio	Lower	Upper
168	100		
99	58.9	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

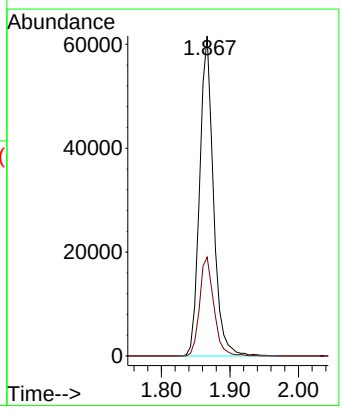
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

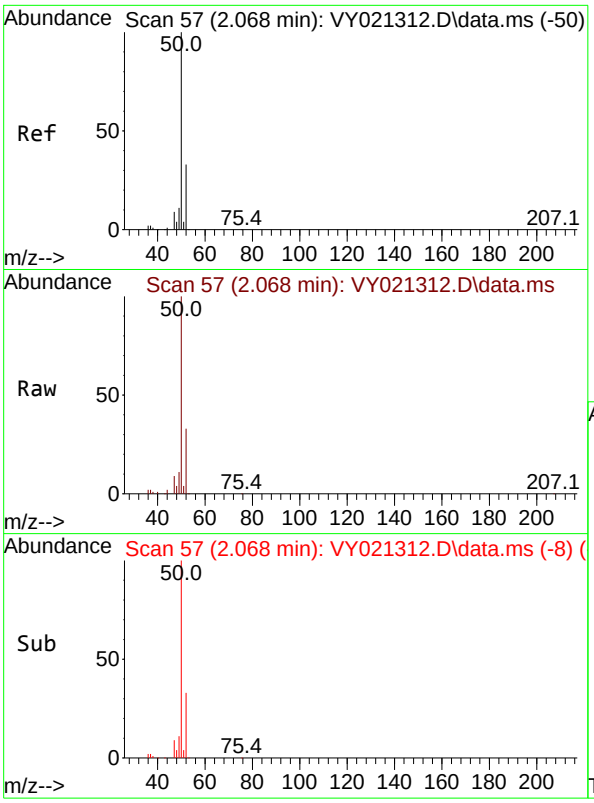


#2
Dichlorodifluoromethane
Concen: 51.957 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 85 Resp: 86387

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.4

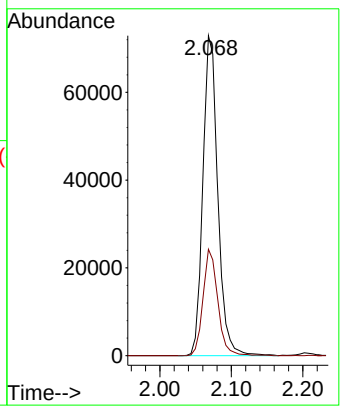




#3
Chloromethane
Concen: 49.191 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 50 Resp: 10562

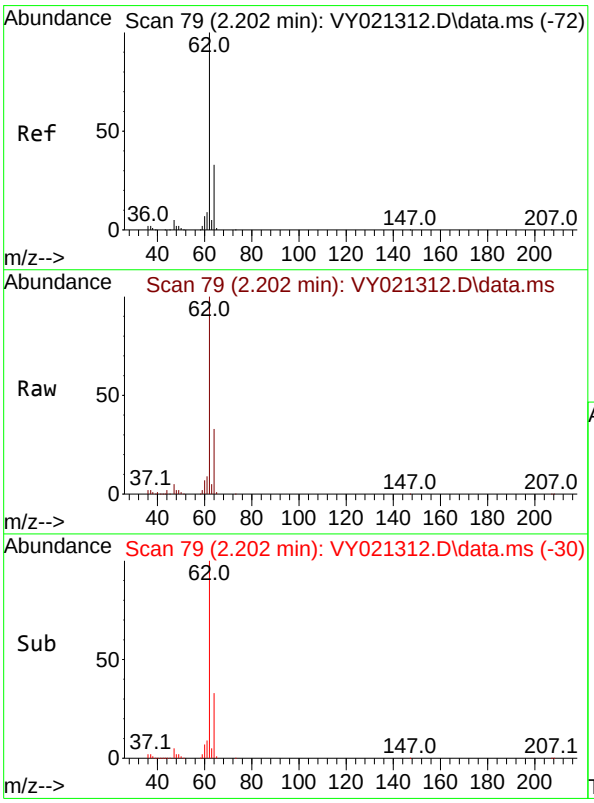
Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

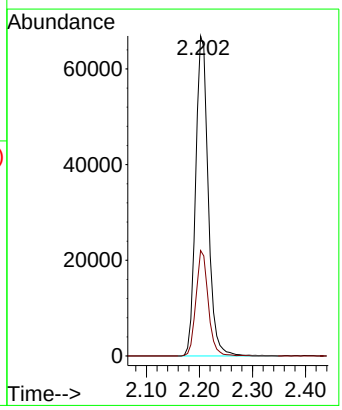
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

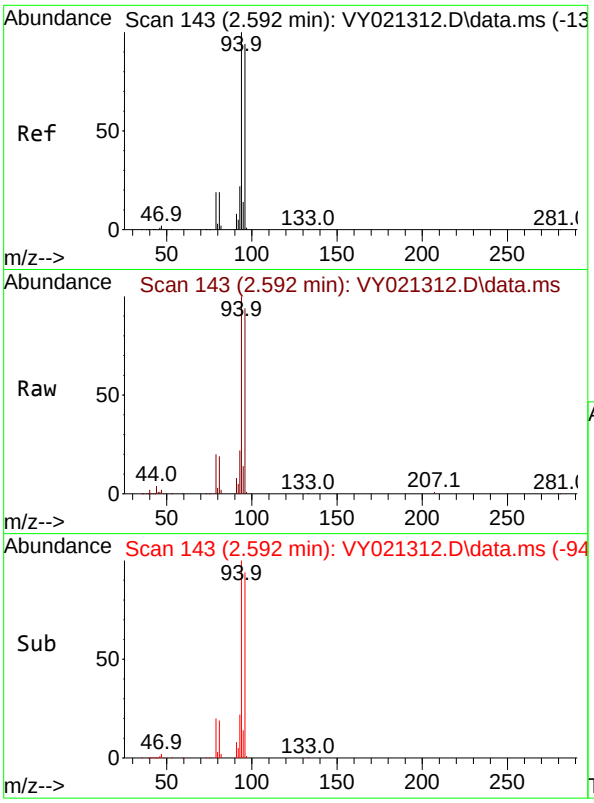


#4
Vinyl Chloride
Concen: 52.173 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 109961

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.3	39.5

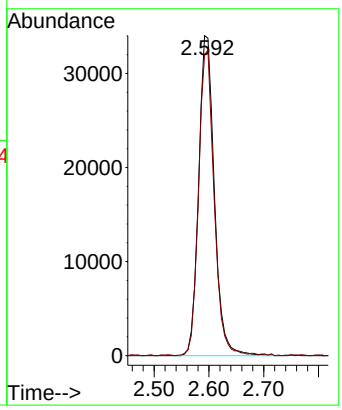




#5
Bromomethane
Concen: 48.395 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 94 Resp: 6778(

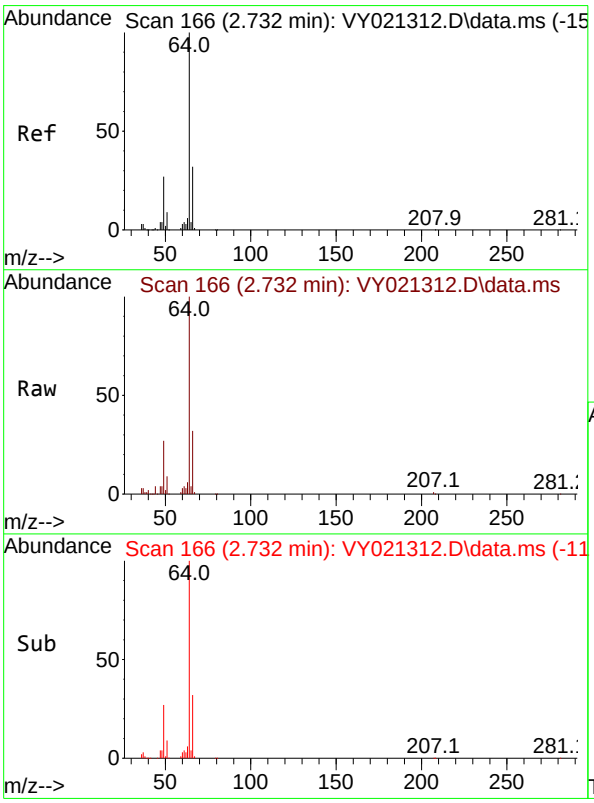
Ion	Ratio	Lower	Upper
94	100		
96	94.0	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

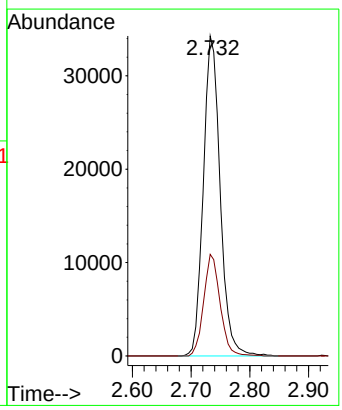
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

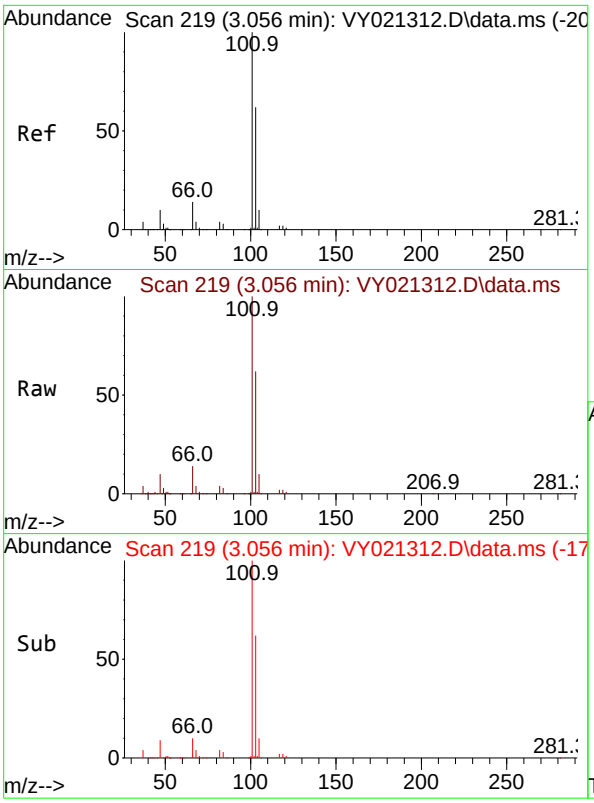


#6
Chloroethane
Concen: 52.276 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 64 Resp: 68323

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.4	38.0

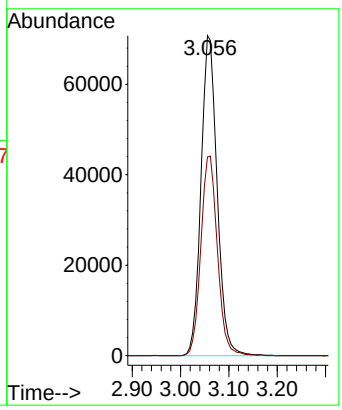




#7
Trichlorofluoromethane
Concen: 51.592 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:101 Resp: 16421

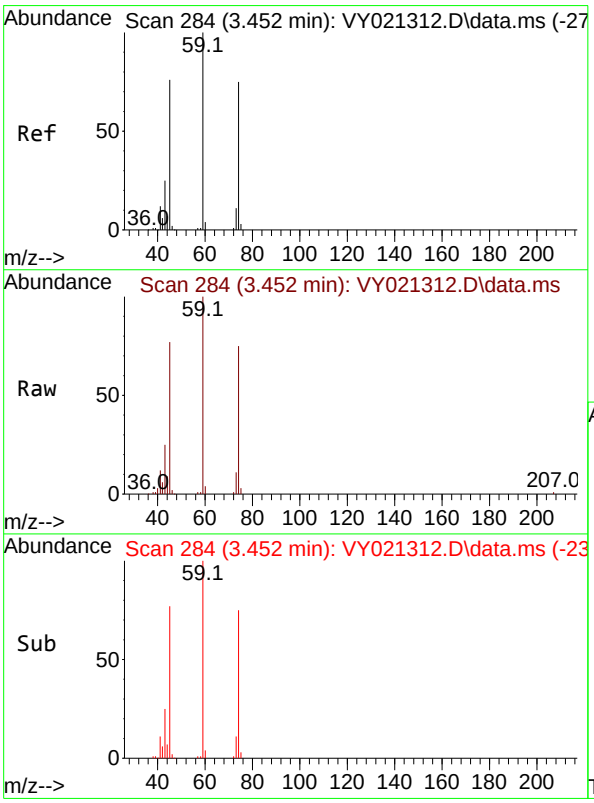
Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

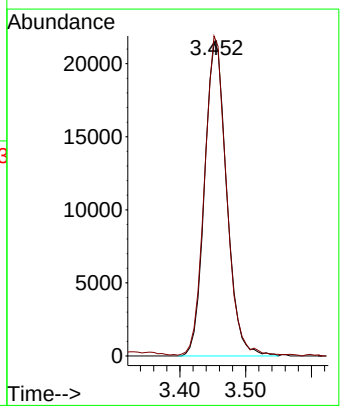
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

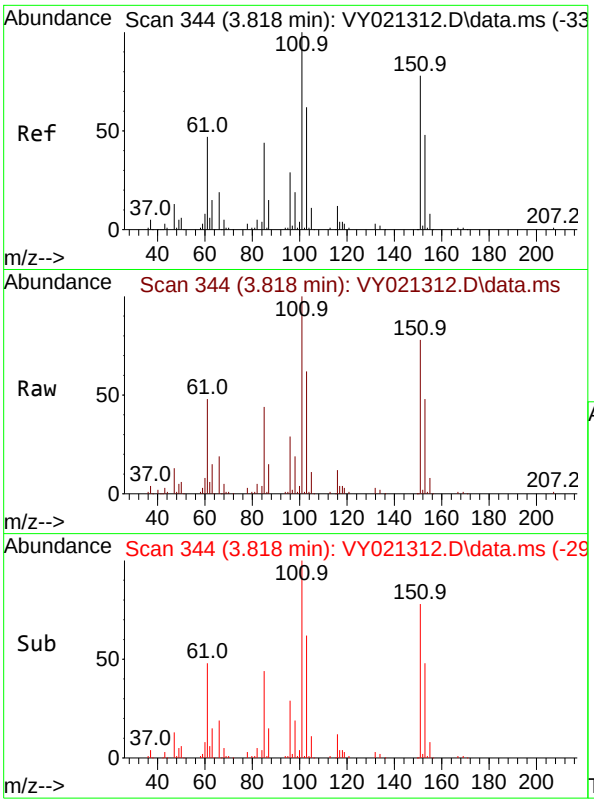


#8
Diethyl Ether
Concen: 52.532 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 74 Resp: 50185

Ion	Ratio	Lower	Upper
74	100		
45	100.6	50.3	150.9

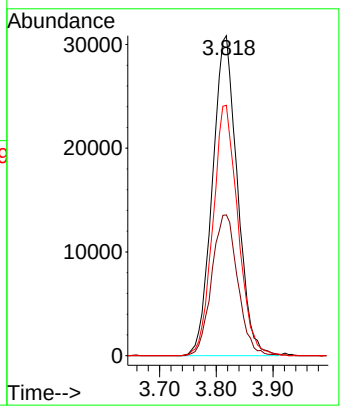




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.116 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:101 Resp: 9419

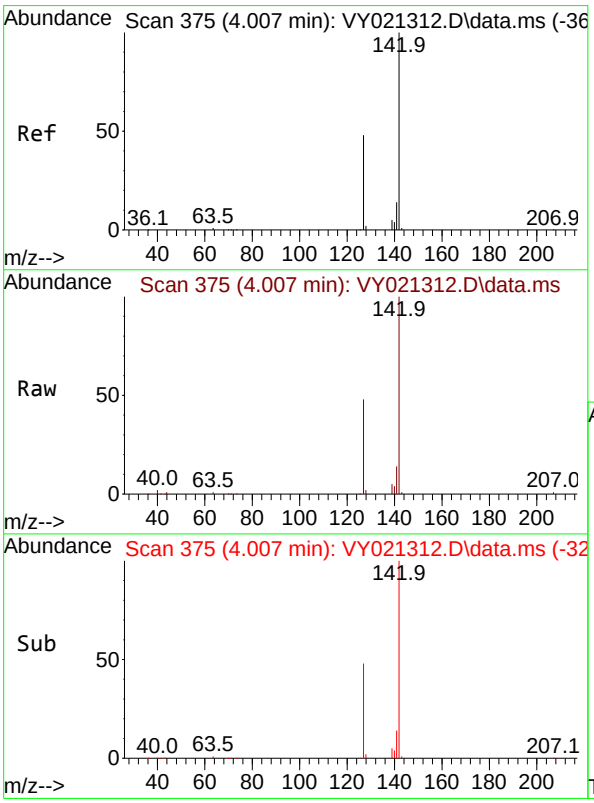
Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.7	55.1
151	78.3	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

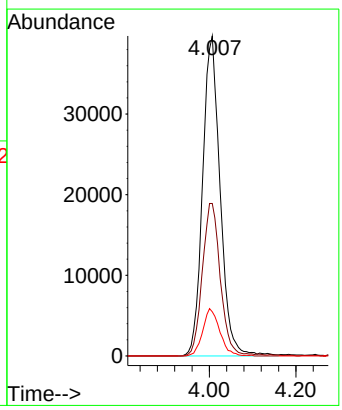
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

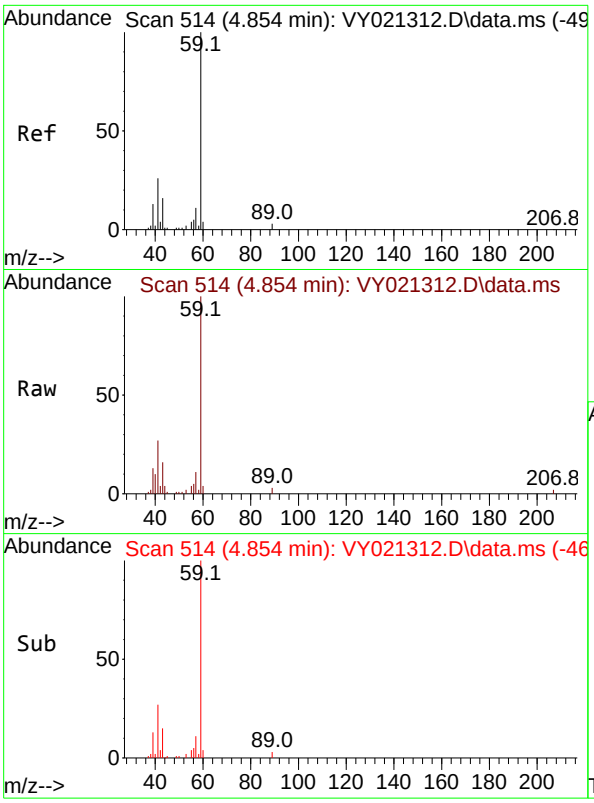


#10
Methyl Iodide
Concen: 57.600 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:142 Resp: 111673

Ion	Ratio	Lower	Upper
142	100		
127	49.0	39.2	58.8
141	14.3	11.4	17.2

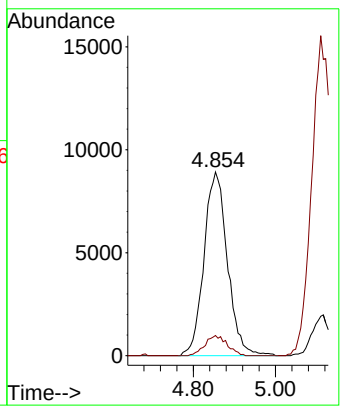




#11
Tert butyl alcohol
Concen: 230.691 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 59 Resp: 3530

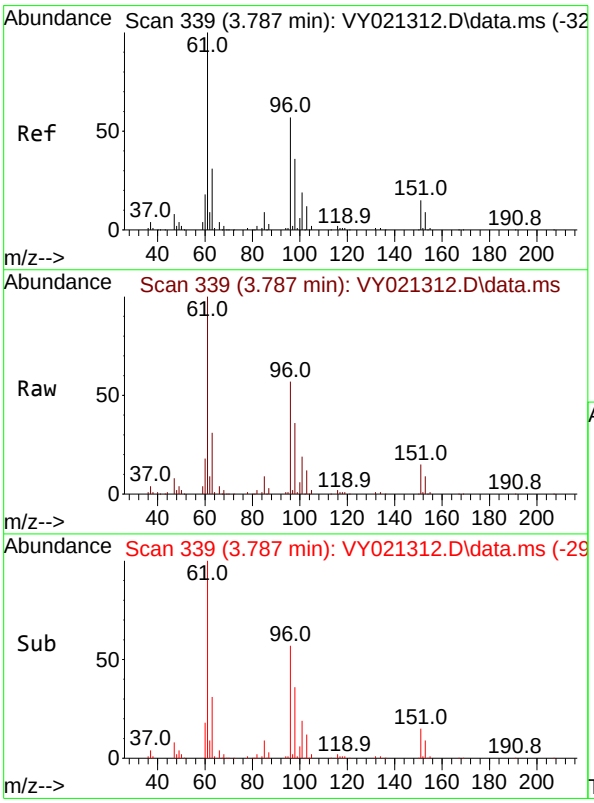
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

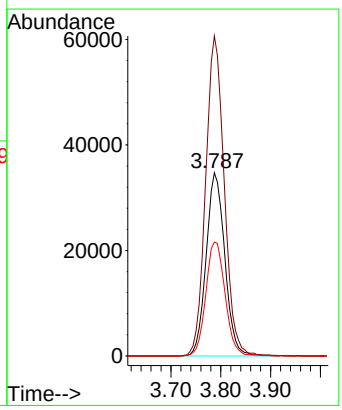
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

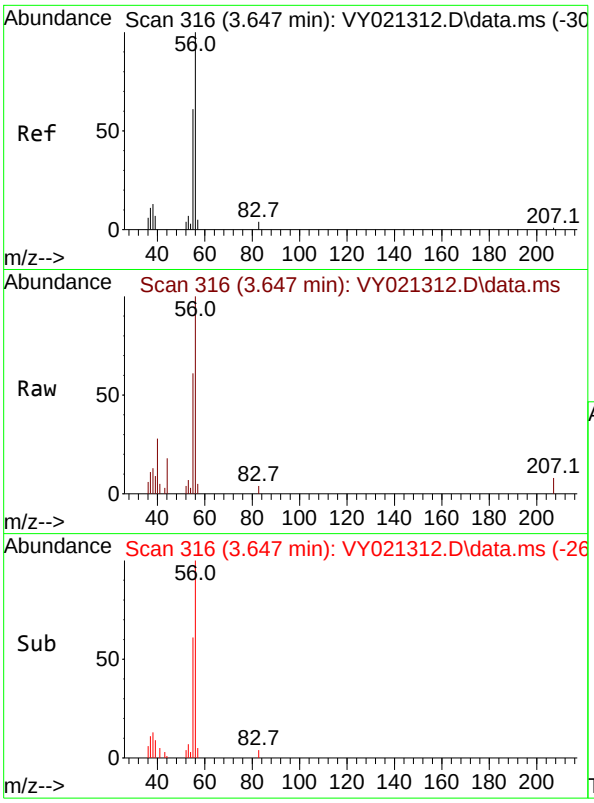


#12
1,1-Dichloroethene
Concen: 51.226 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 90388

Ion	Ratio	Lower	Upper
96	100		
61	174.6	139.7	209.5
98	62.1	49.7	74.5





#13
Acrolein
Concen: 49.975 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

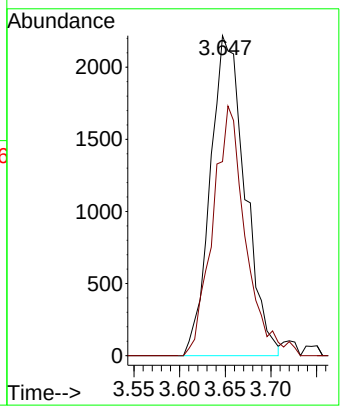
Tgt Ion: 56 Resp: 586

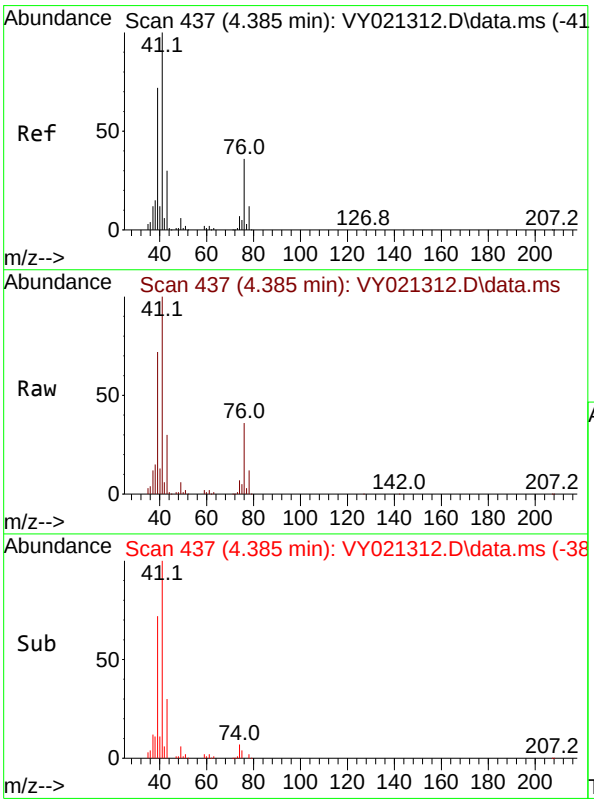
Ion	Ratio	Lower	Upper
56	100		
55	73.8	59.0	88.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

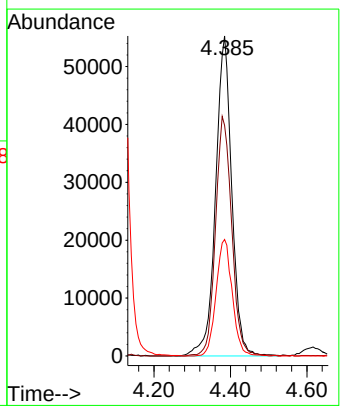


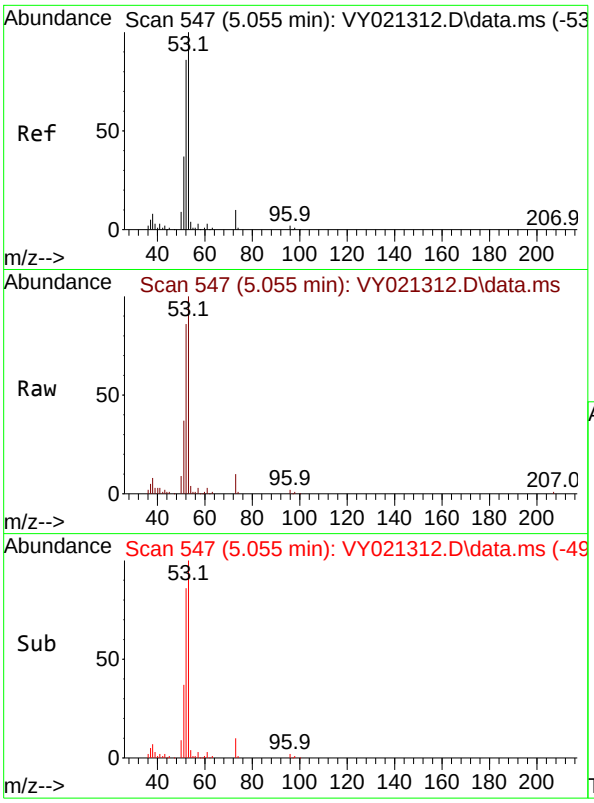


#14
Allyl chloride
Concen: 51.918 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 162419

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.0	90.0
76	36.3	29.0	43.6





#15
Acrylonitrile
Concen: 264.397 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

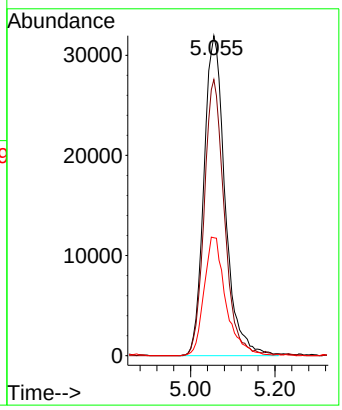
Tgt Ion: 53 Resp: 11167

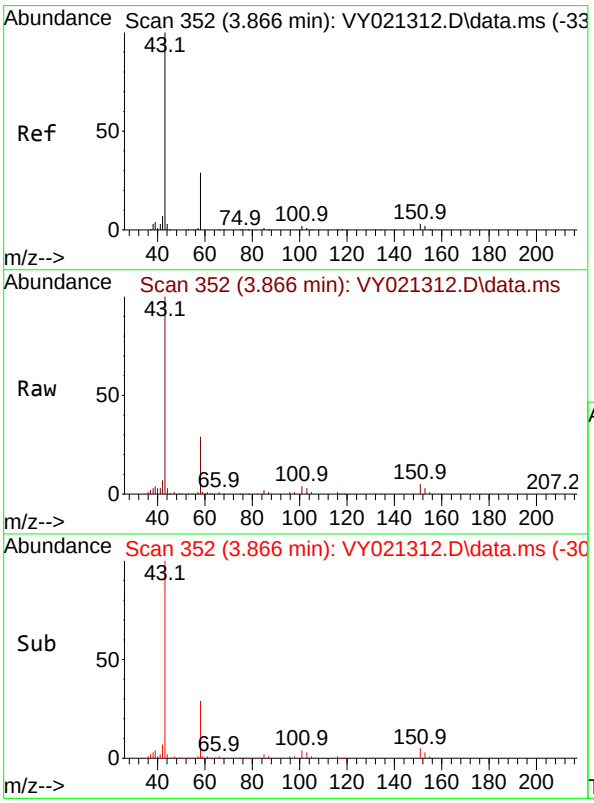
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	38.3	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

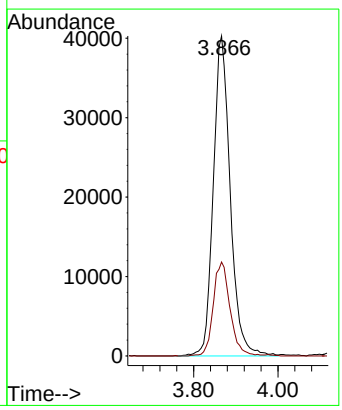


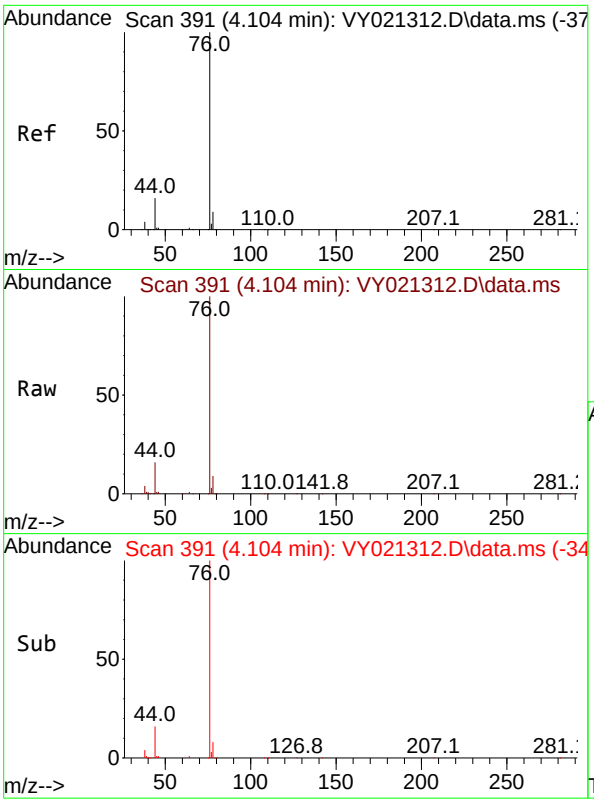


#16
Acetone
Concen: 293.294 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 111923

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.5	35.3

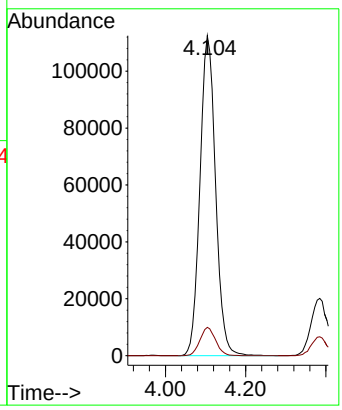




#17
Carbon Disulfide
Concen: 51.892 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 76 Resp: 30404

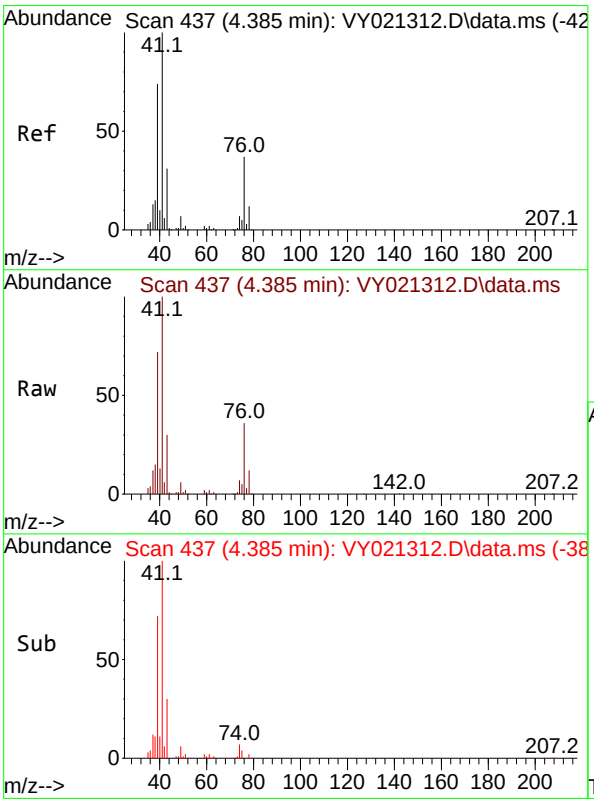
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

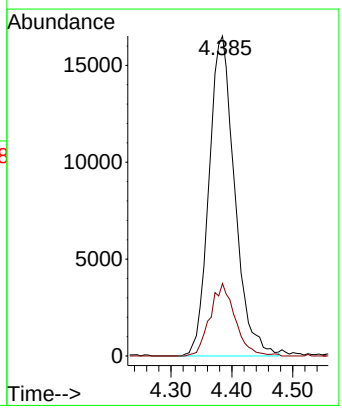
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

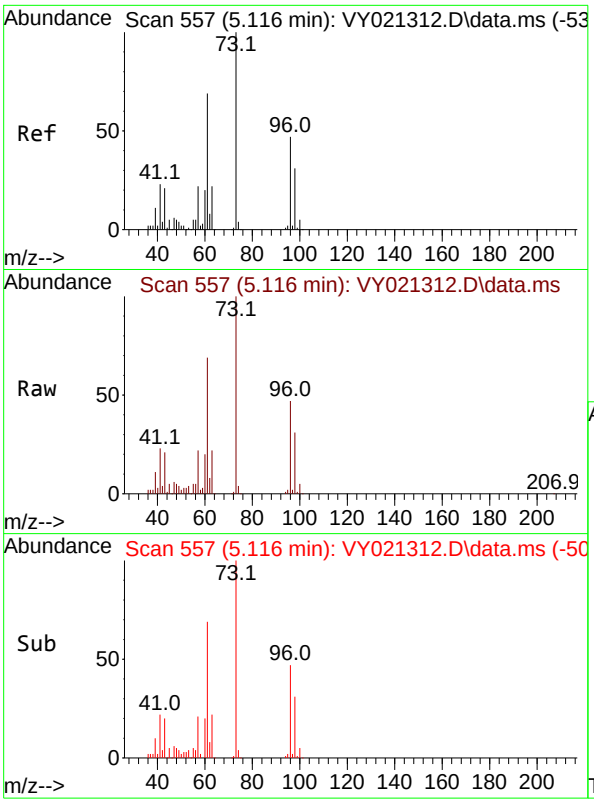


#18
Methyl Acetate
Concen: 51.864 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 48368

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.7	26.5

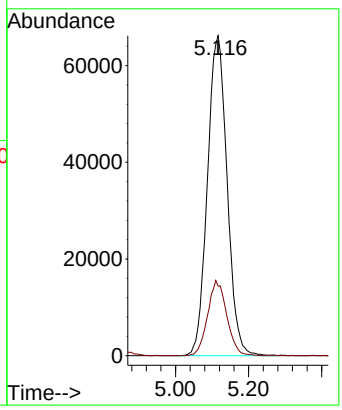




#19
Methyl tert-butyl Ether
Concen: 53.043 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 73 Resp: 24728

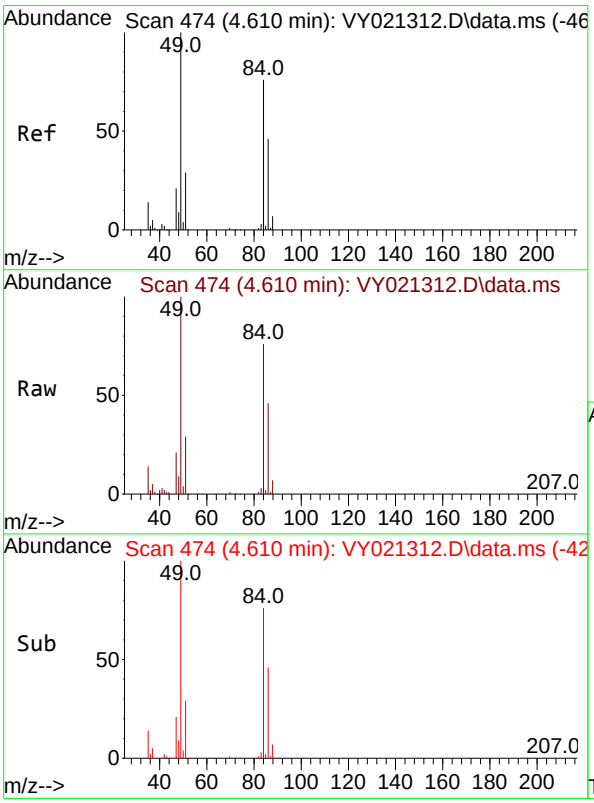
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

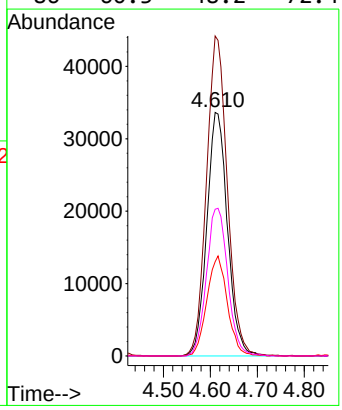
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

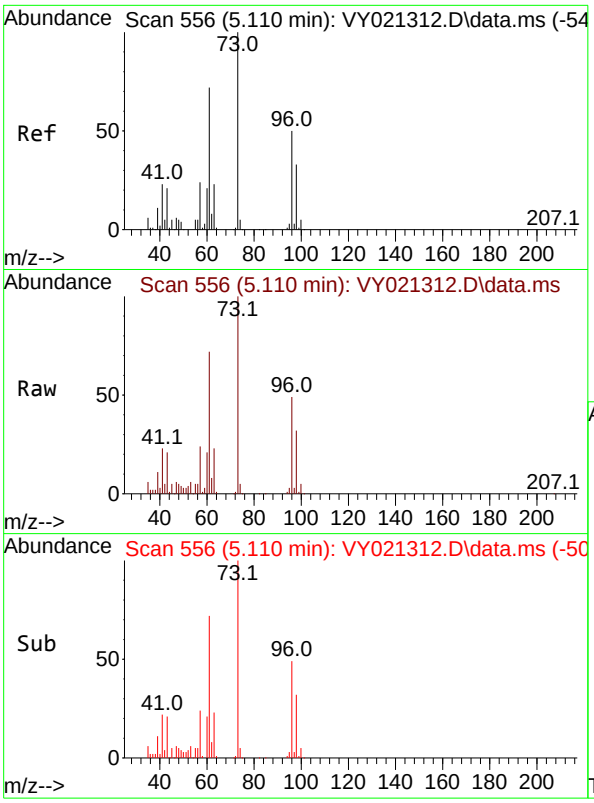


#20
Methylene Chloride
Concen: 49.716 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 84 Resp: 102592

Ion	Ratio	Lower	Upper
84	100		
49	131.4	105.1	157.7
51	38.7	31.0	46.4
86	60.3	48.2	72.4

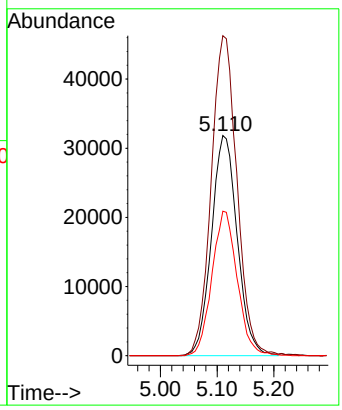




#21
trans-1,2-Dichloroethene
Concen: 51.774 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 10056

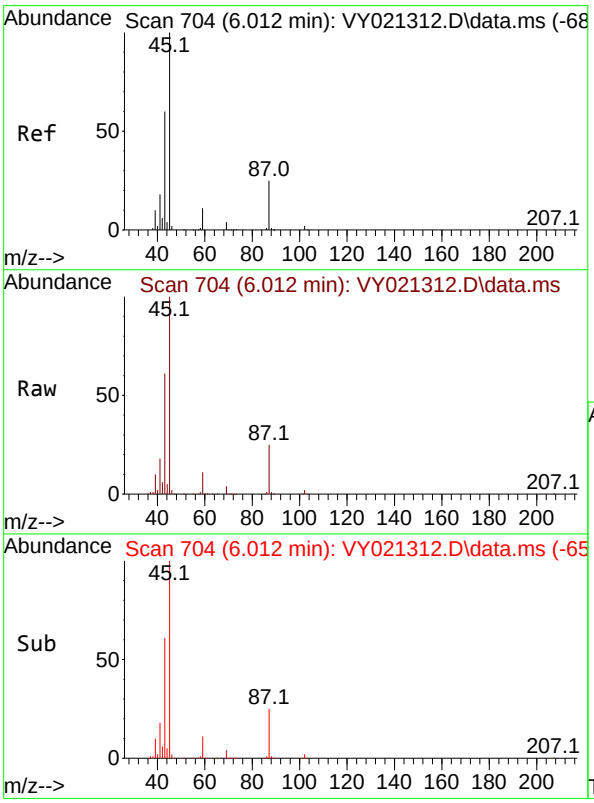
Ion	Ratio	Lower	Upper
96	100		
61	145.4	116.3	174.5
98	65.7	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

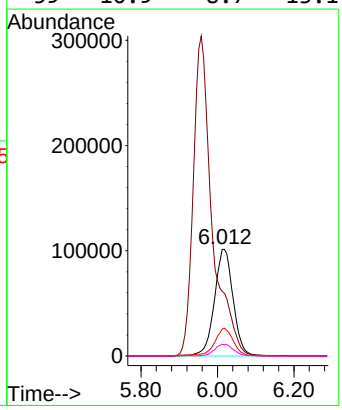
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

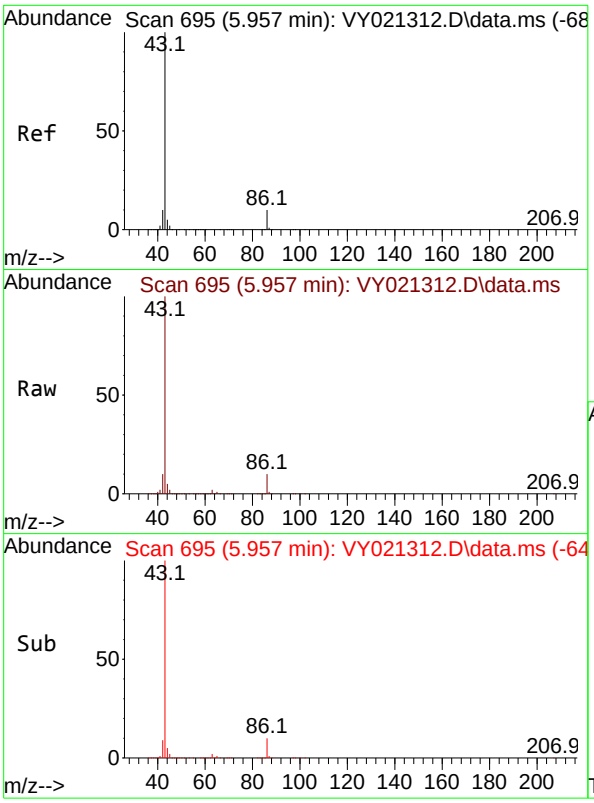


#22
Diisopropyl ether
Concen: 53.126 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 45 Resp: 343920

Ion	Ratio	Lower	Upper
45	100		
43	60.3	48.2	72.4
87	25.4	20.3	30.5
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 269.294 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

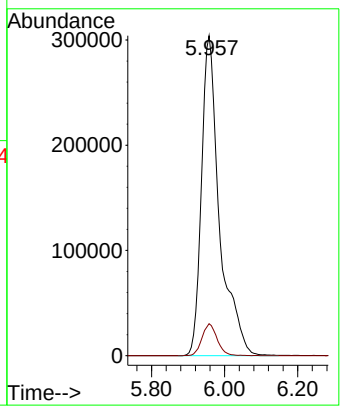
Tgt Ion: 43 Resp: 104176

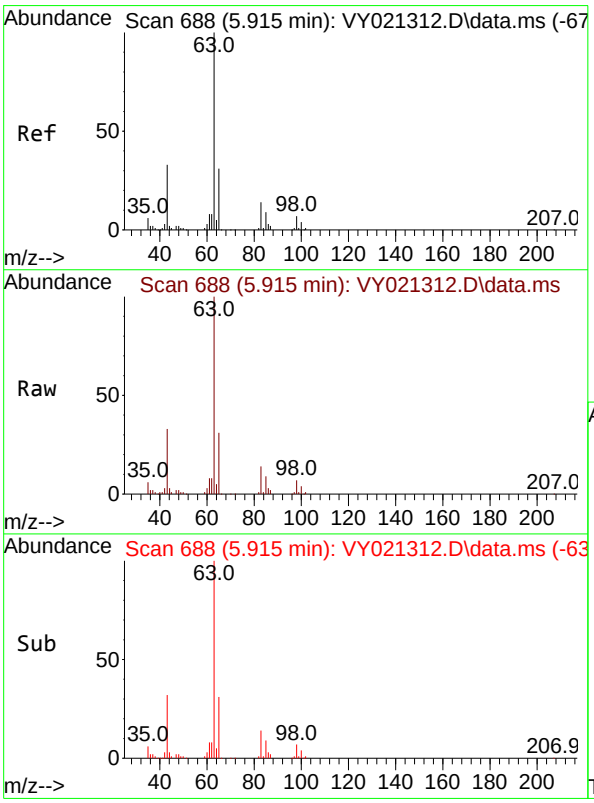
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

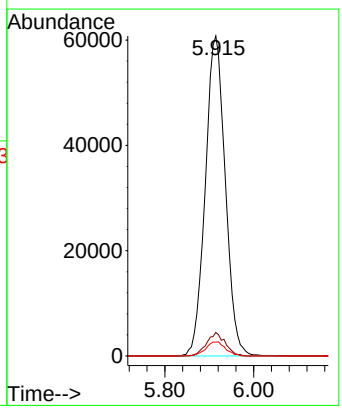


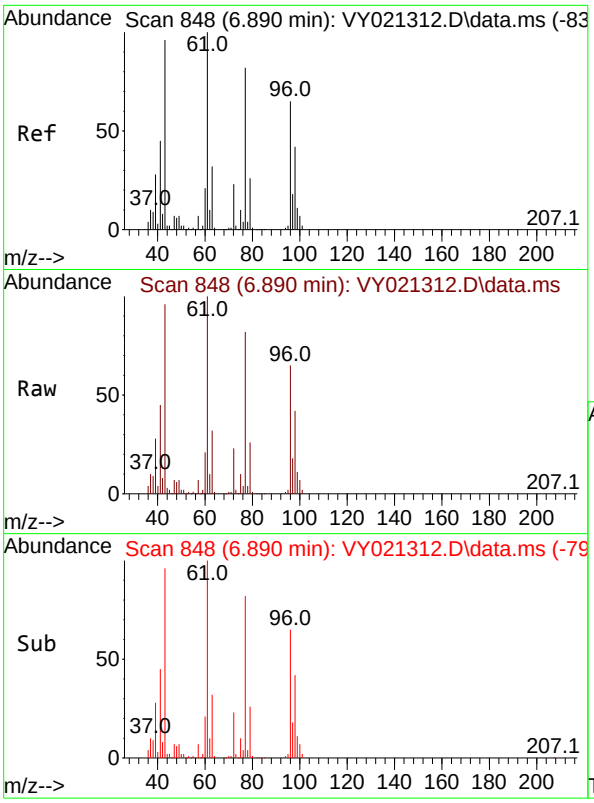


#24
1,1-Dichloroethane
Concen: 52.057 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 189943

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.3	2.1	6.5

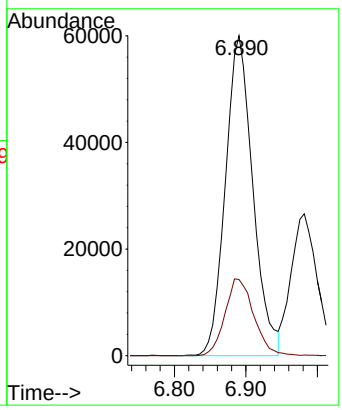




#25
2-Butanone
Concen: 278.240 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 16024

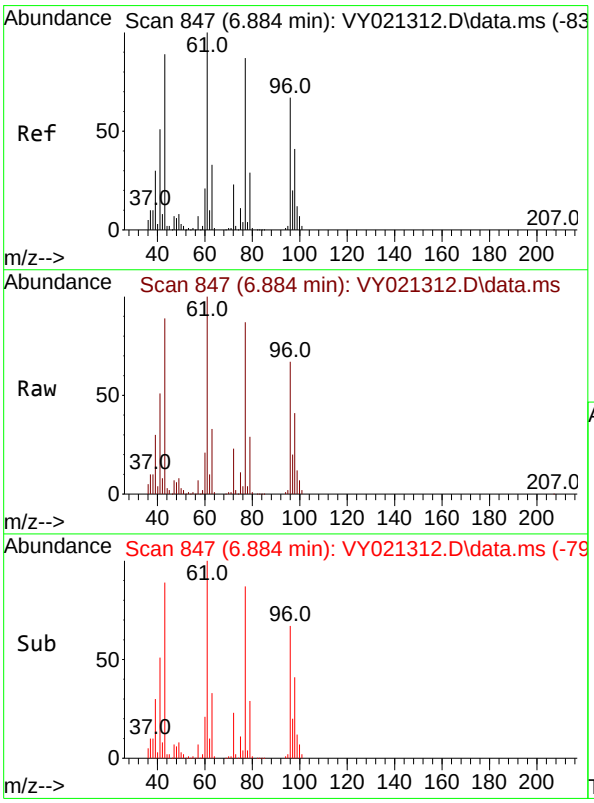
Ion	Ratio	Lower	Upper
43	100		
72	23.8	19.0	28.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

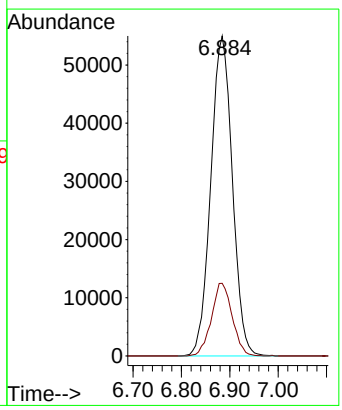
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

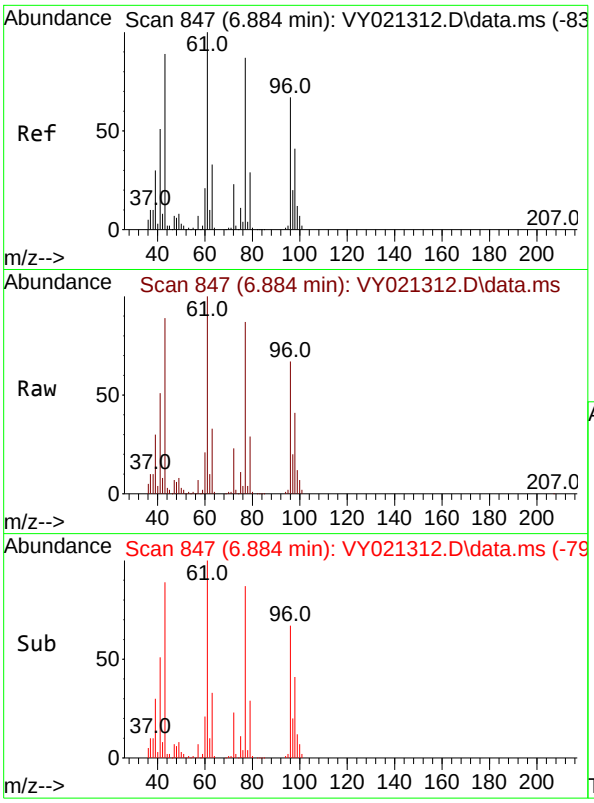


#26
2,2-Dichloropropane
Concen: 51.489 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 77 Resp: 170469

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

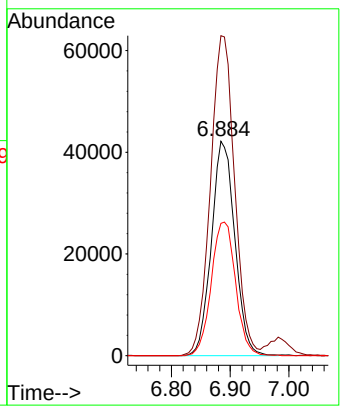




#27
cis-1,2-Dichloroethene
Concen: 52.579 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 11662

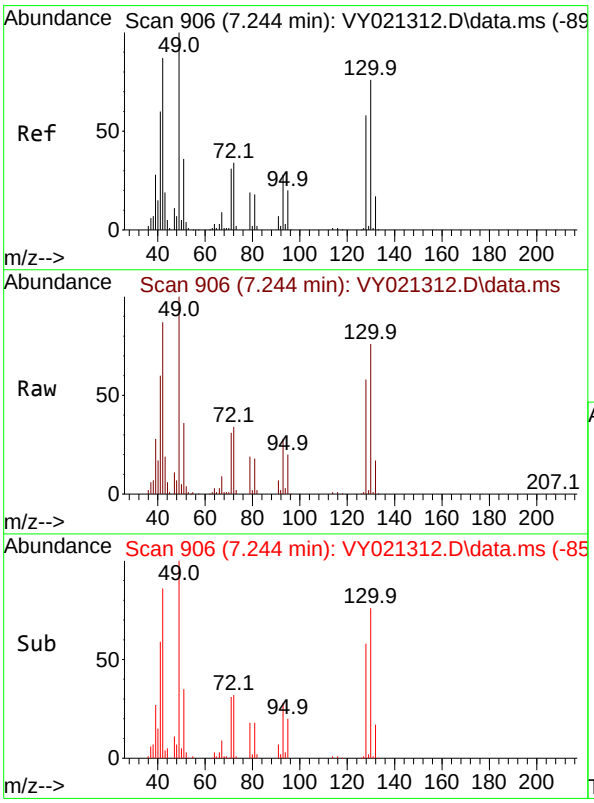
Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	308.0
98	64.8	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

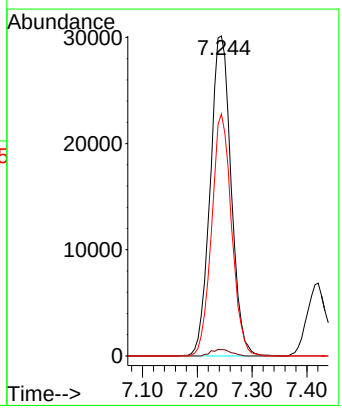
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

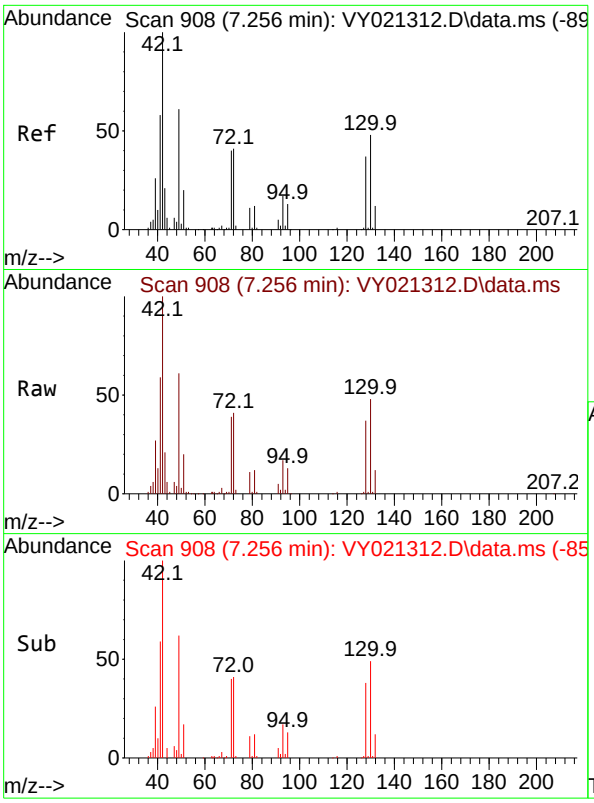


#28
Bromochloromethane
Concen: 49.352 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 49 Resp: 79678

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	72.2	57.8	86.6

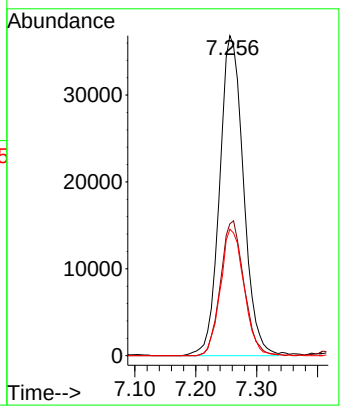




#29
Tetrahydrofuran
Concen: 266.741 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 42 Resp: 10041

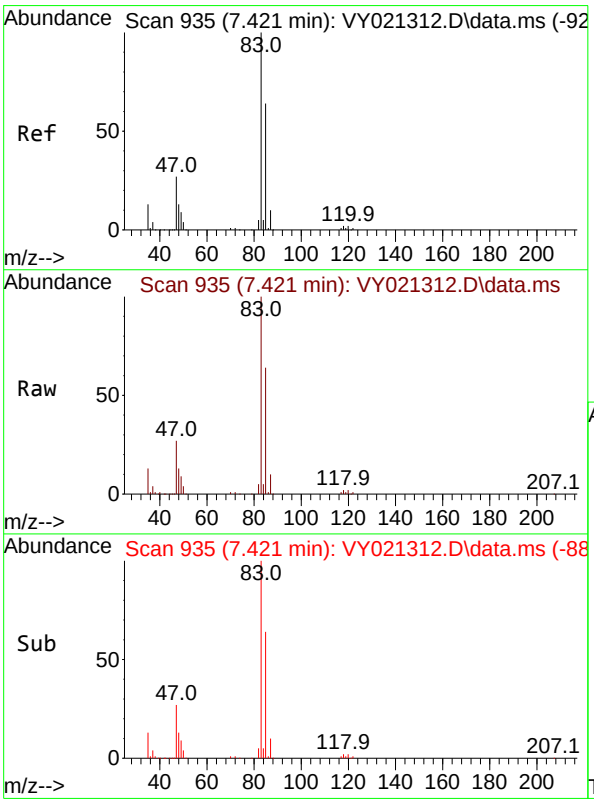
Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.1	49.7
71	39.2	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

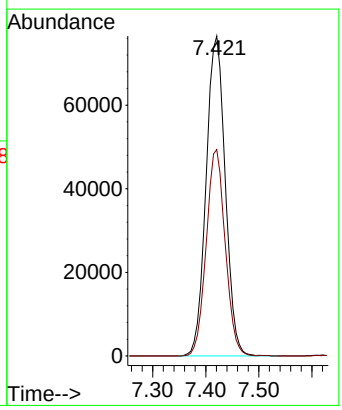
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

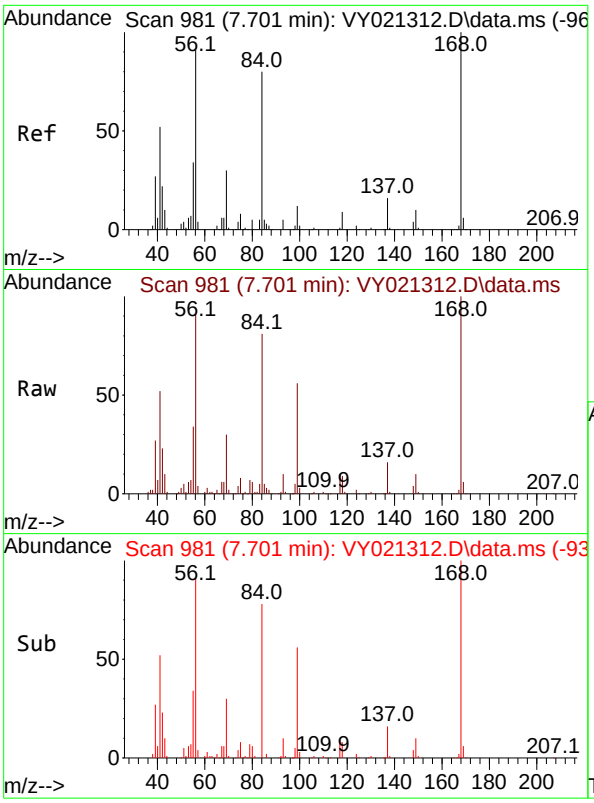


#30
Chloroform
Concen: 51.925 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 191980

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4





#31
Cyclohexane
Concen: 49.456 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

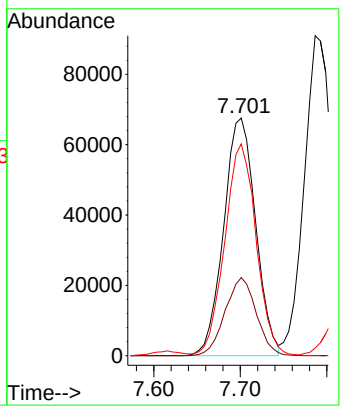
Tgt Ion: 56 Resp: 17346

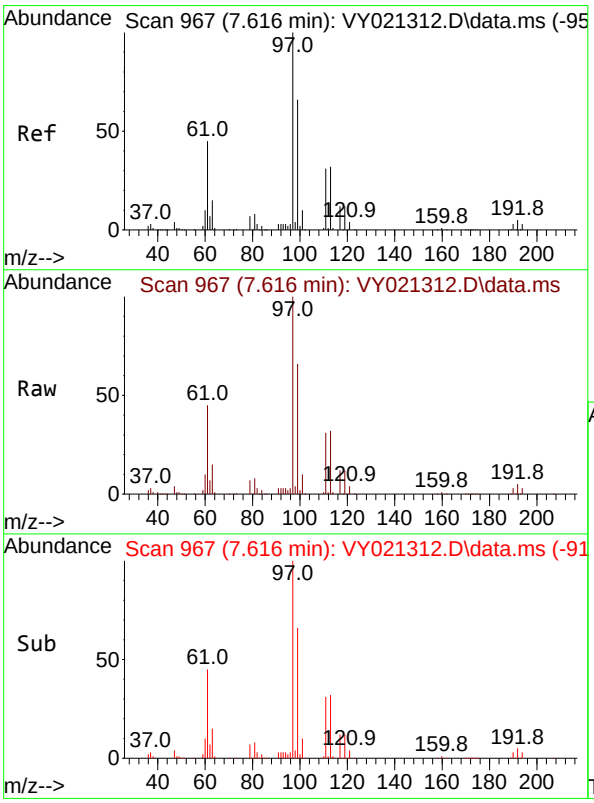
Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.4
84	87.8	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

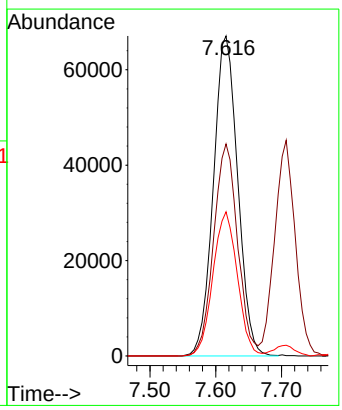


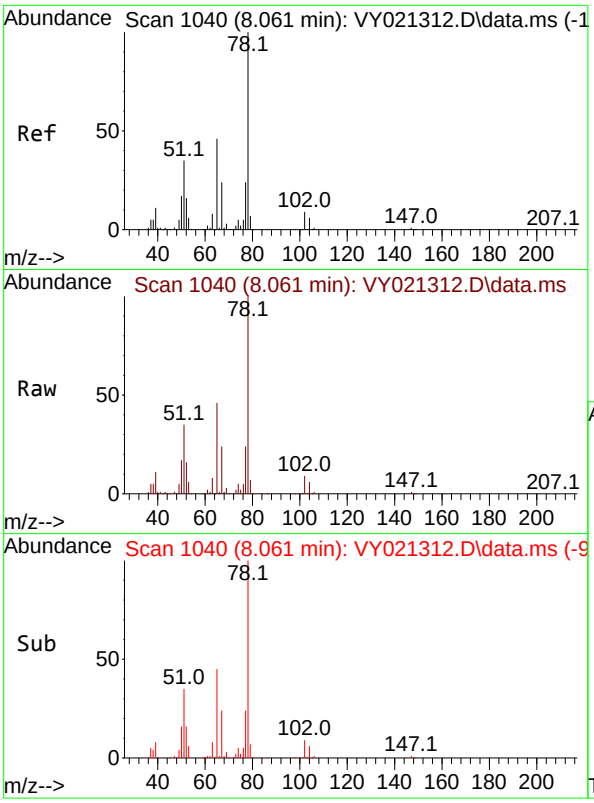


#32
1,1,1-Trichloroethane
Concen: 51.372 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 97 Resp: 172880

Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.4	78.6
61	45.2	36.2	54.2

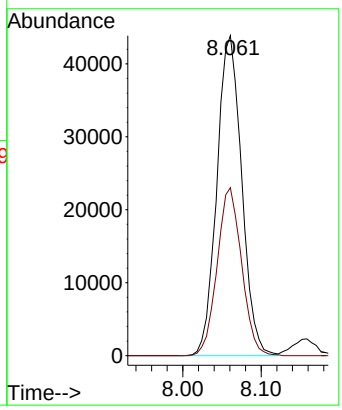




#33
1,2-Dichloroethane-d4
Concen: 48.606 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 65 Resp: 9669

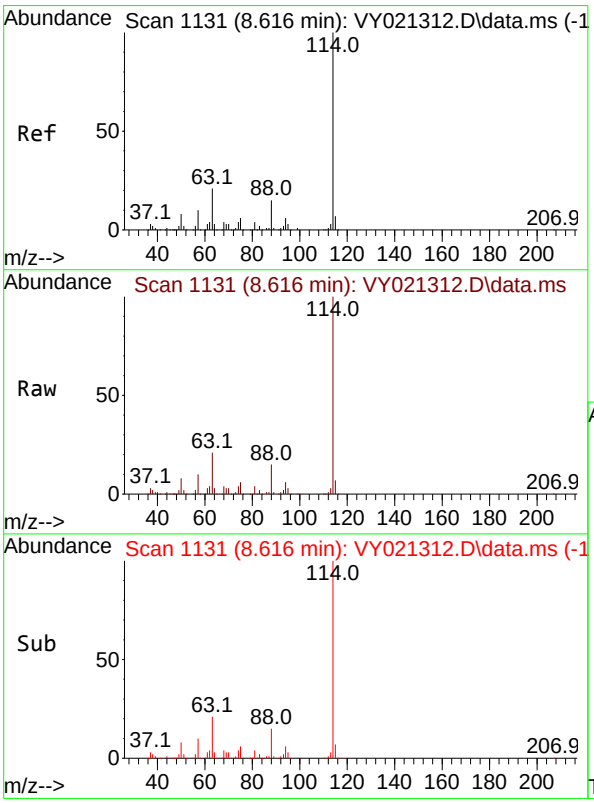
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

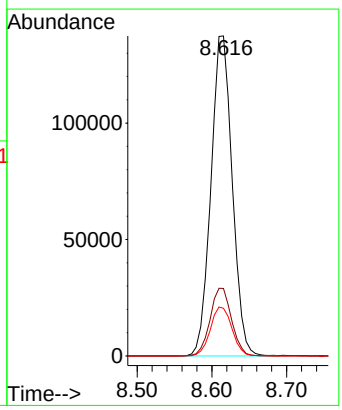
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

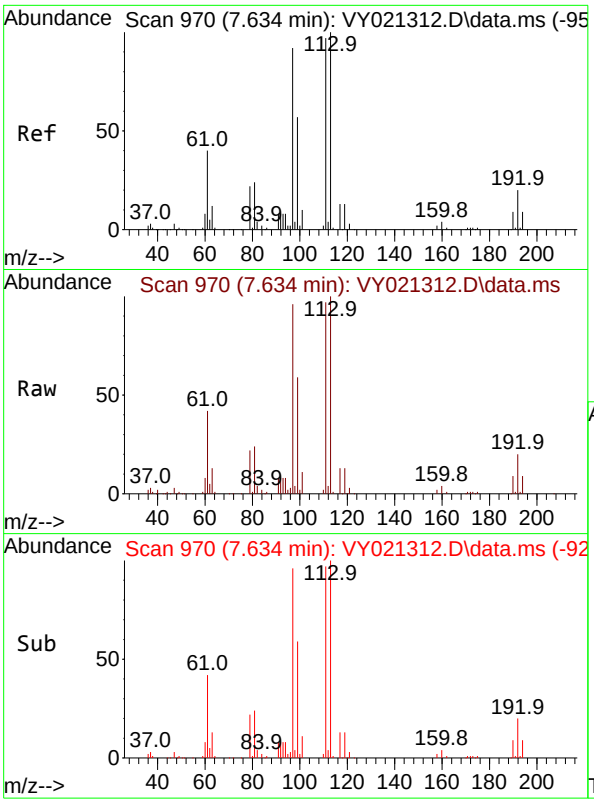


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:114 Resp: 272563

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.2
88	14.9	0.0	29.8

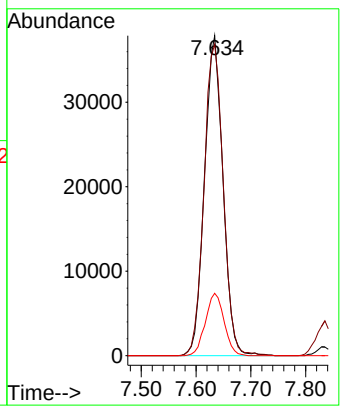




#35
Dibromofluoromethane
Concen: 49.533 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:113 Resp: 8851

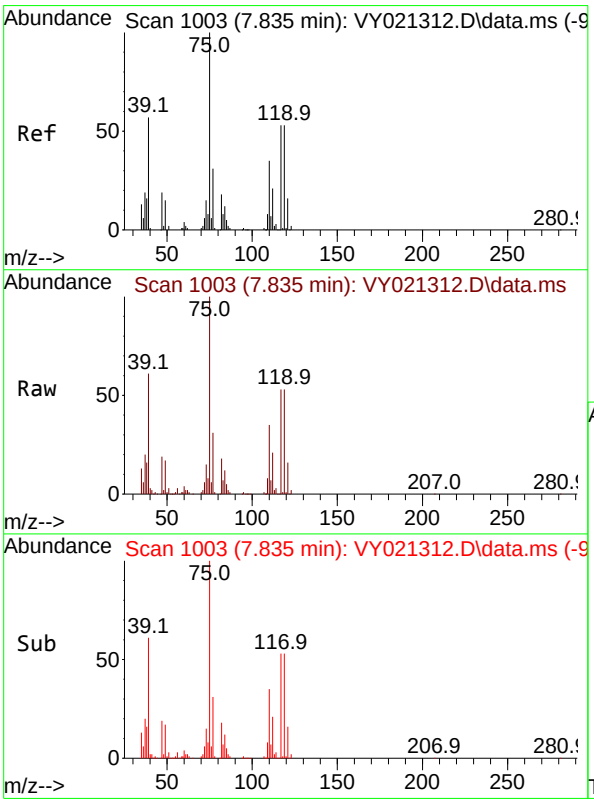
Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.0	121.6
192	19.8	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

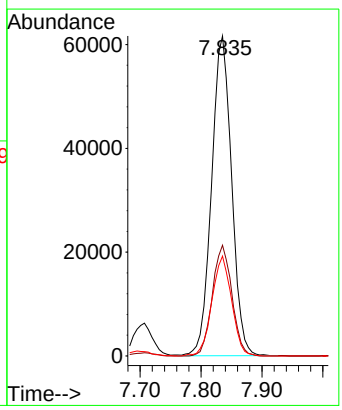
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

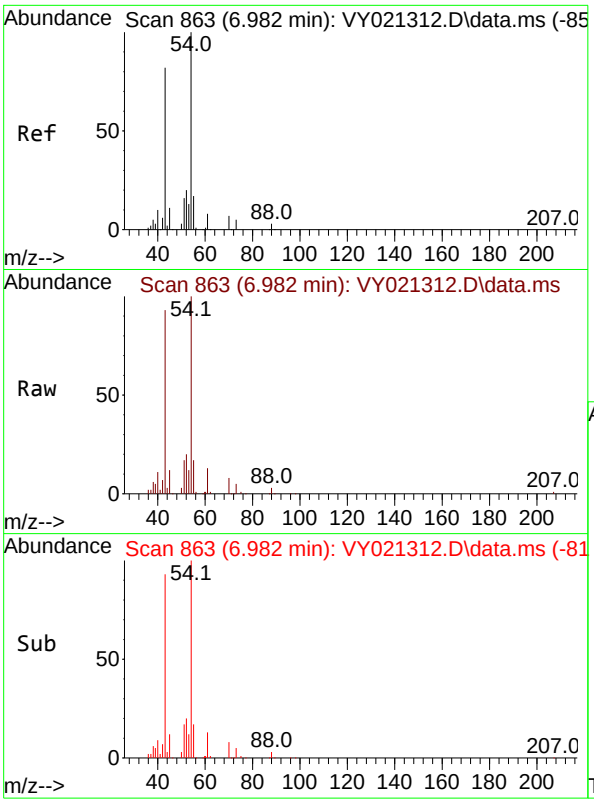


#36
1,1-Dichloropropene
Concen: 52.371 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 140574

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	30.7	24.6	36.8

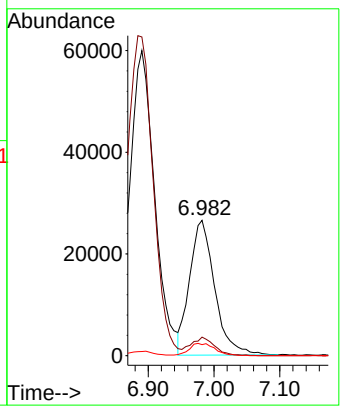




#37
Ethyl Acetate
Concen: 52.565 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 7018

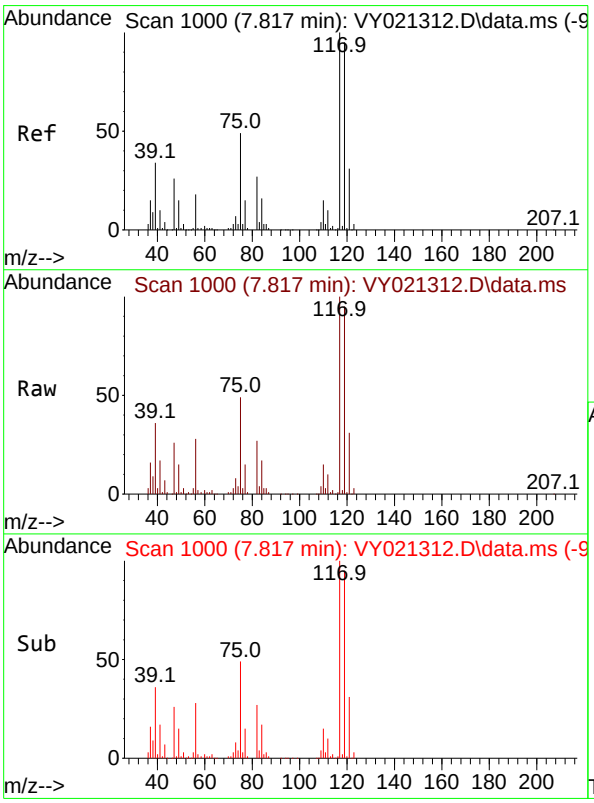
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.4	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

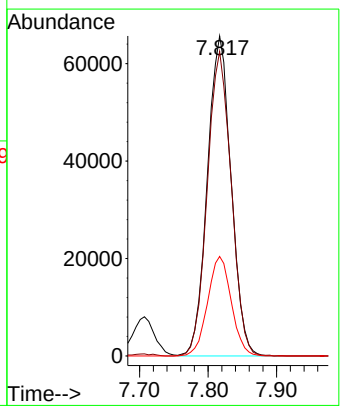
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

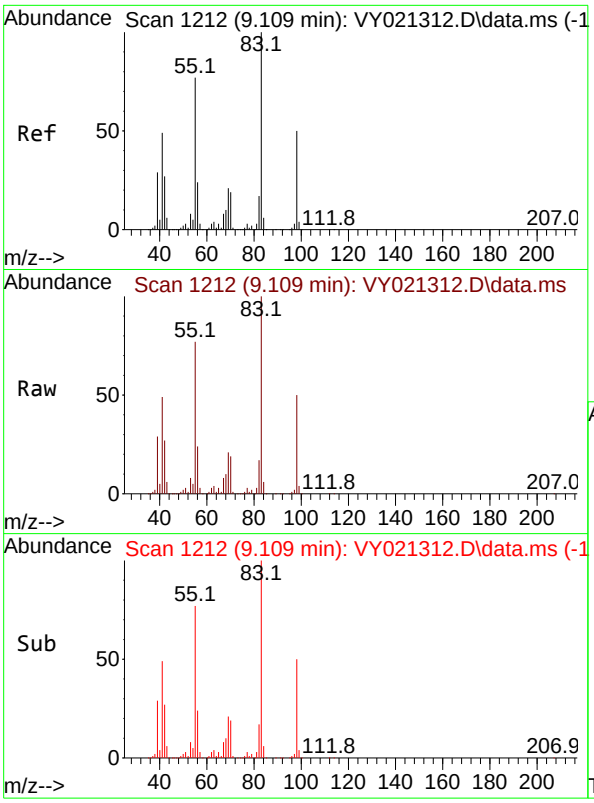


#38
Carbon Tetrachloride
Concen: 52.465 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 158319

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.0	114.0
121	31.1	24.9	37.3





#39
Methylcyclohexane
Concen: 53.165 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

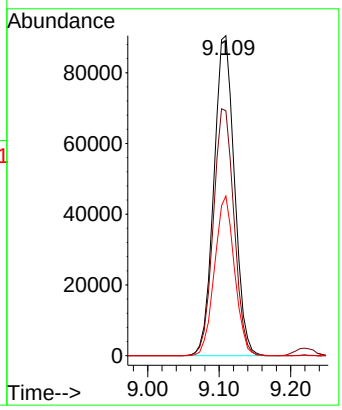
Tgt Ion: 83 Resp: 18049

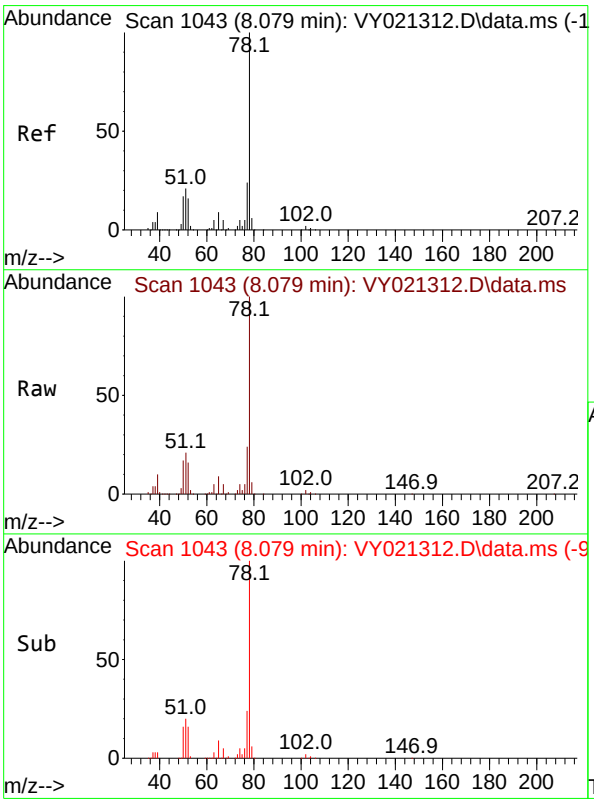
Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	49.9	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

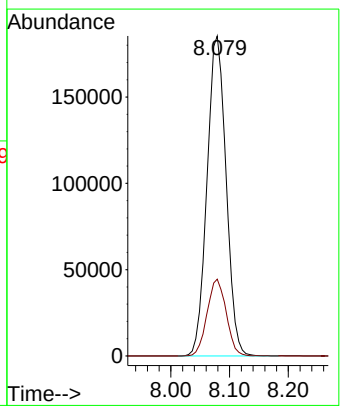


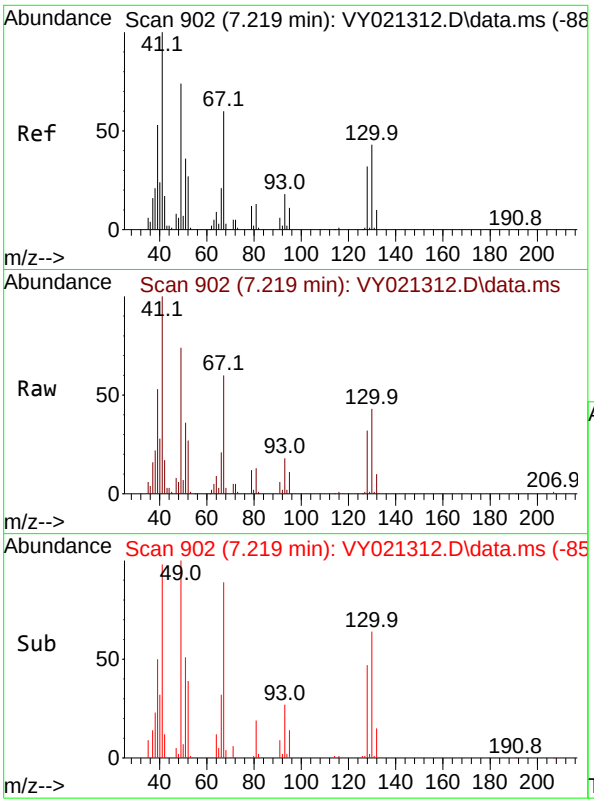


#40
Benzene
Concen: 52.655 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 78 Resp: 417798

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8

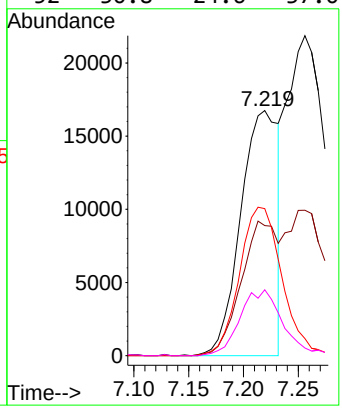




#41
Methacrylonitrile
Concen: 53.535 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 3996

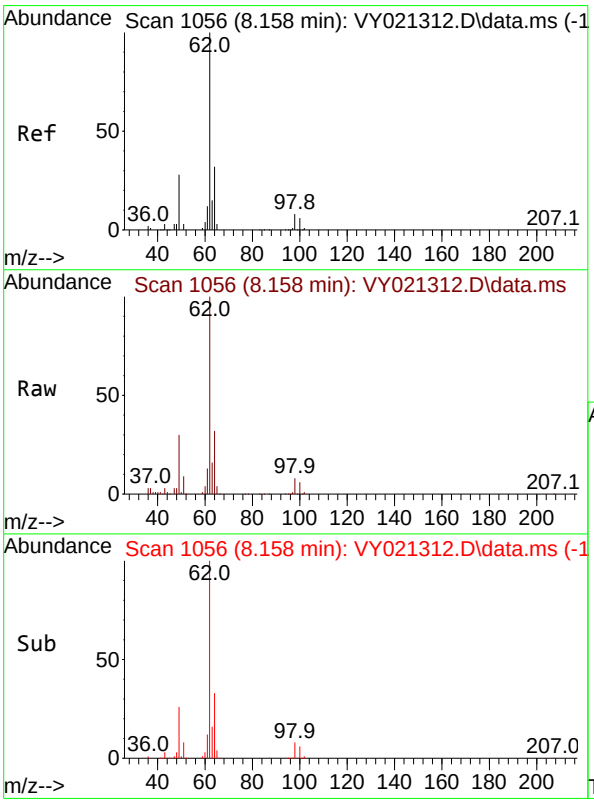
Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.3	63.5
67	68.5	54.8	82.2
52	30.8	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

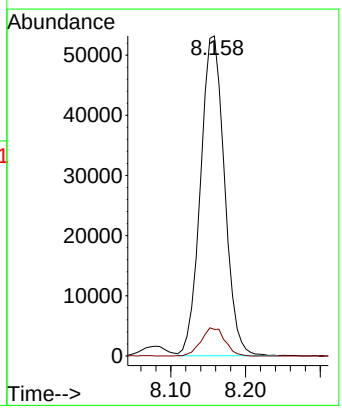
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

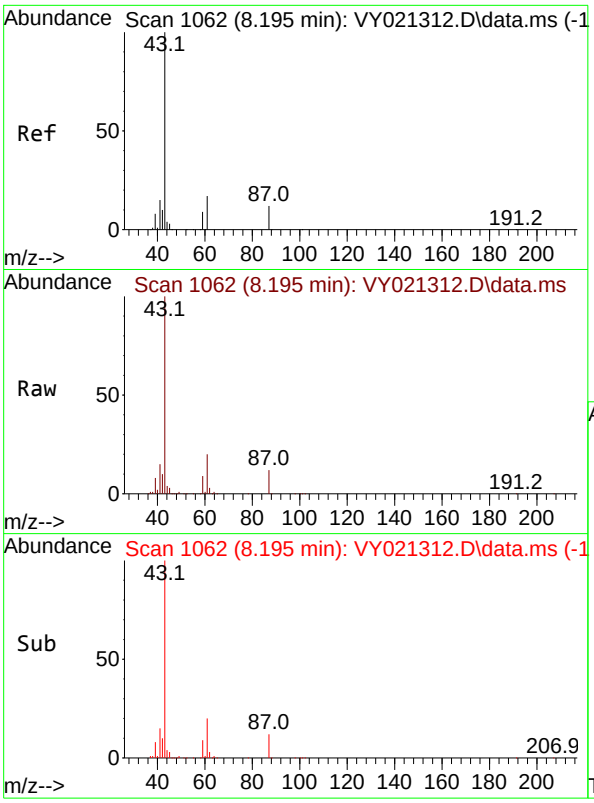


#42
1,2-Dichloroethane
Concen: 52.494 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 118176

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43
Isopropyl Acetate
Concen: 54.106 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

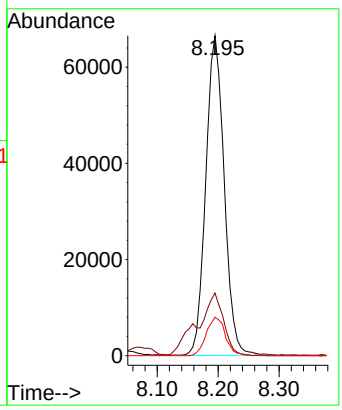
Tgt Ion: 43 Resp: 13982

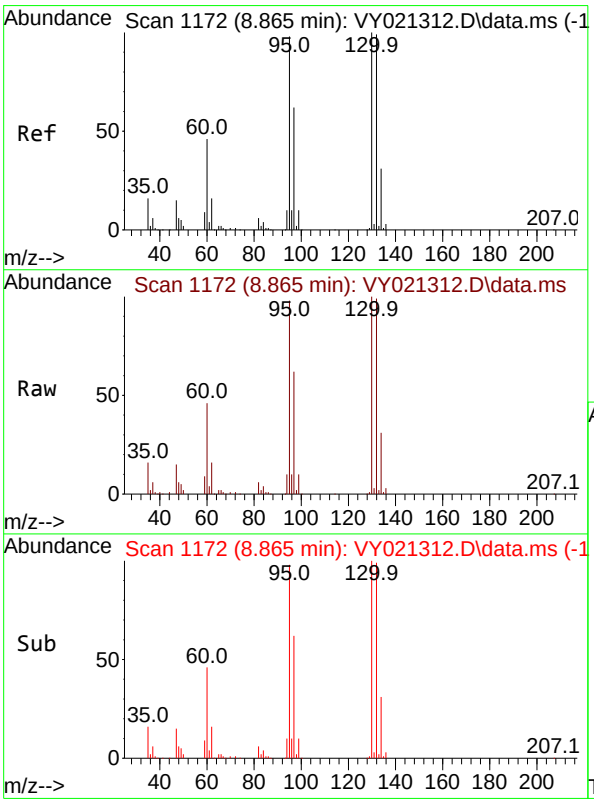
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.0	22.6
87	12.5	10.0	15.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

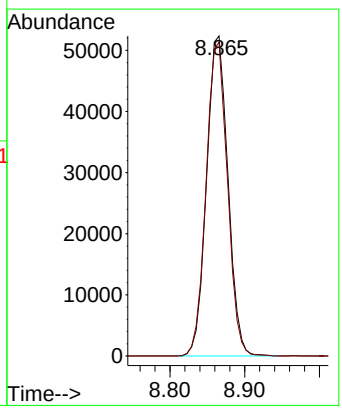


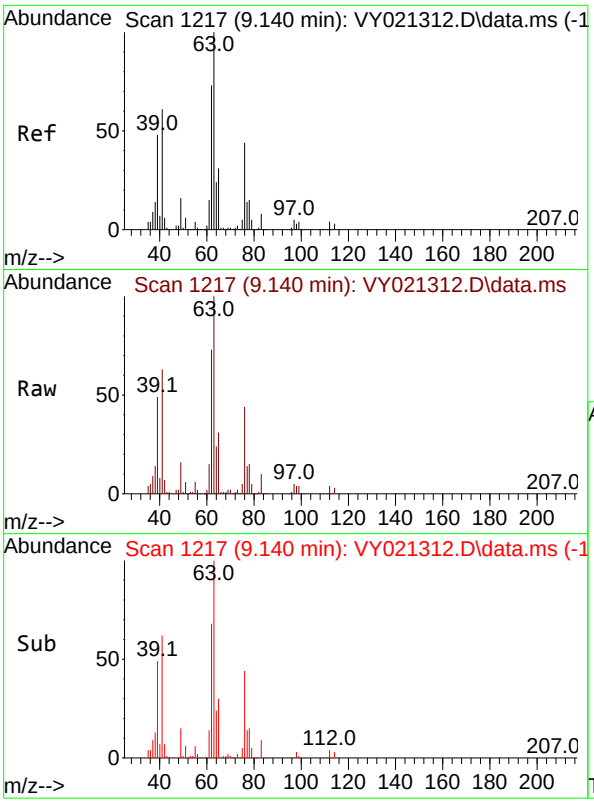


#44
Trichloroethene
Concen: 52.389 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:130 Resp: 104074

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	196.0





#45
1,2-Dichloropropane
Concen: 52.980 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

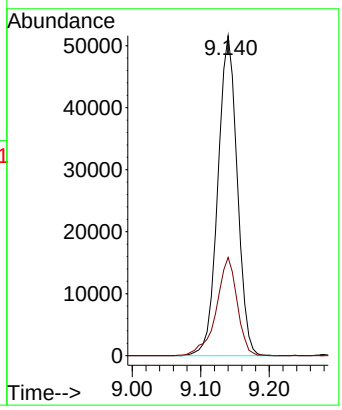
Tgt Ion: 63 Resp: 10116

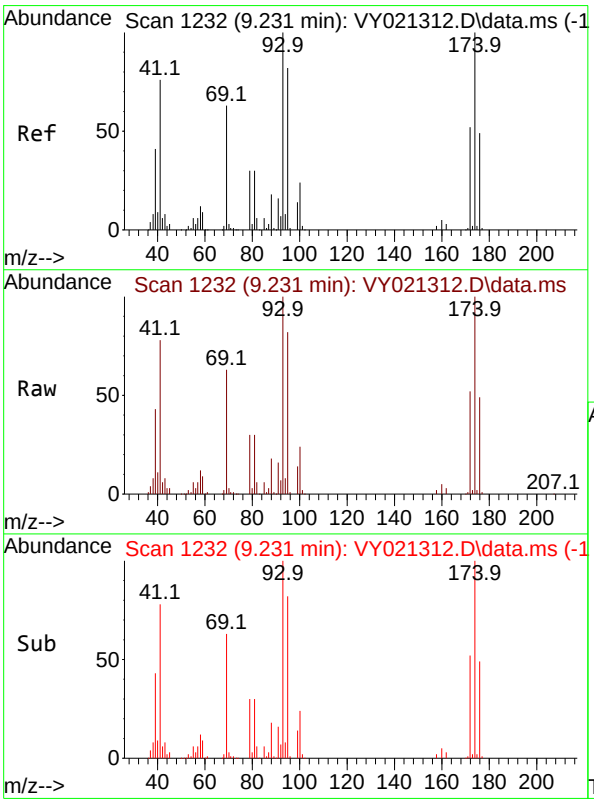
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

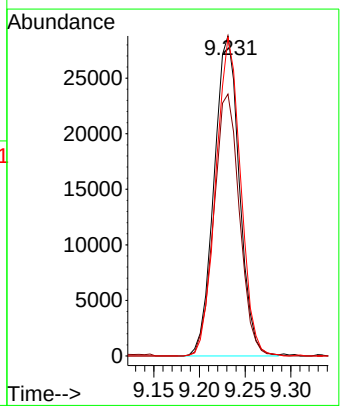


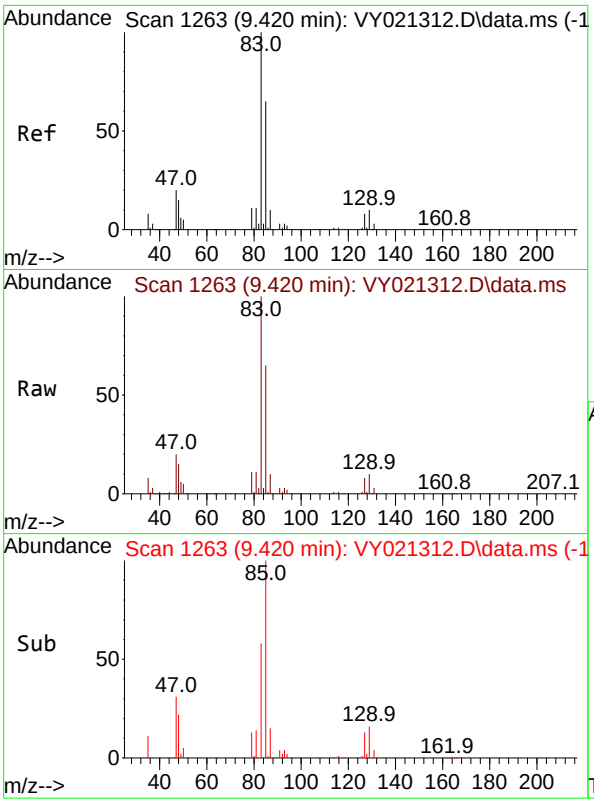


#46
Dibromomethane
Concen: 53.043 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 93 Resp: 55365

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	97.7	78.2	117.2

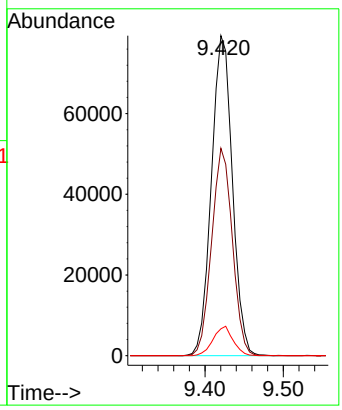




#47
Bromodichloromethane
Concen: 52.957 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 14738

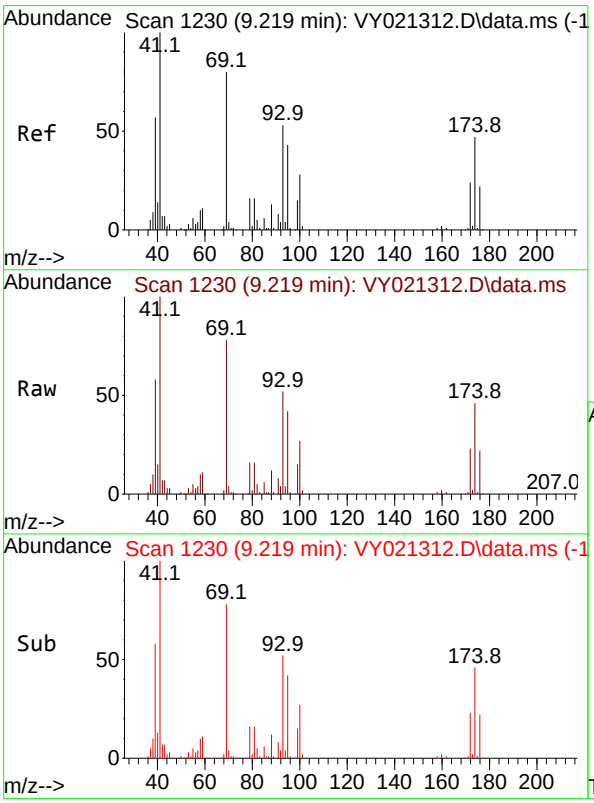
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

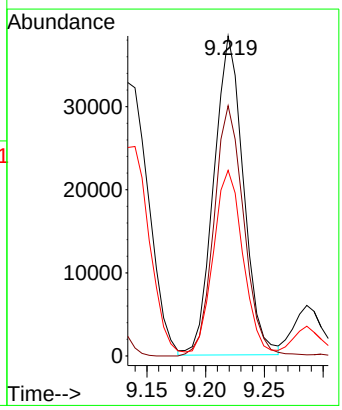
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

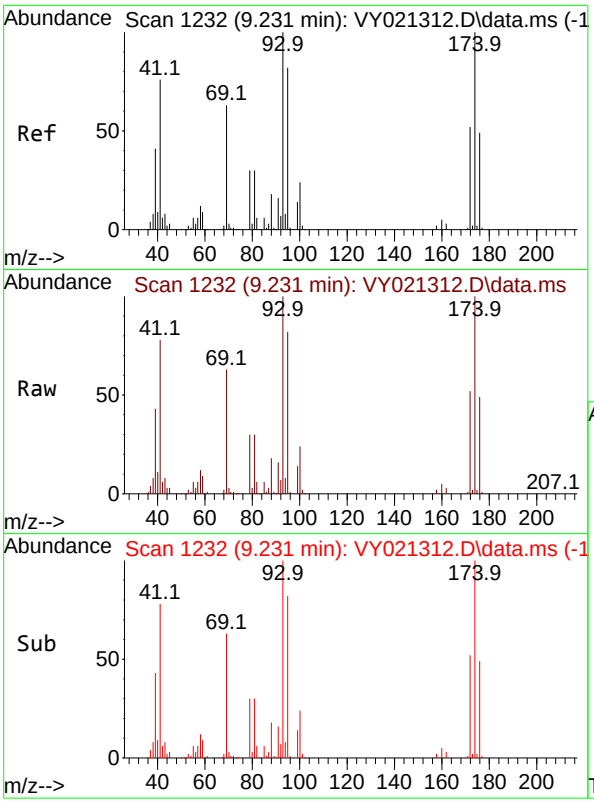


#48
Methyl methacrylate
Concen: 55.775 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 67406

Ion	Ratio	Lower	Upper
41	100		
69	79.1	63.3	94.9
39	56.3	45.0	67.6





#49
1,4-Dioxane
Concen: 1050.591 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

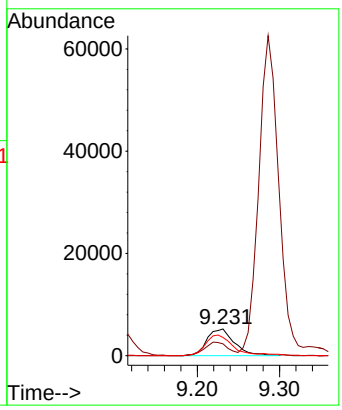
Tgt Ion: 88 Resp: 1219

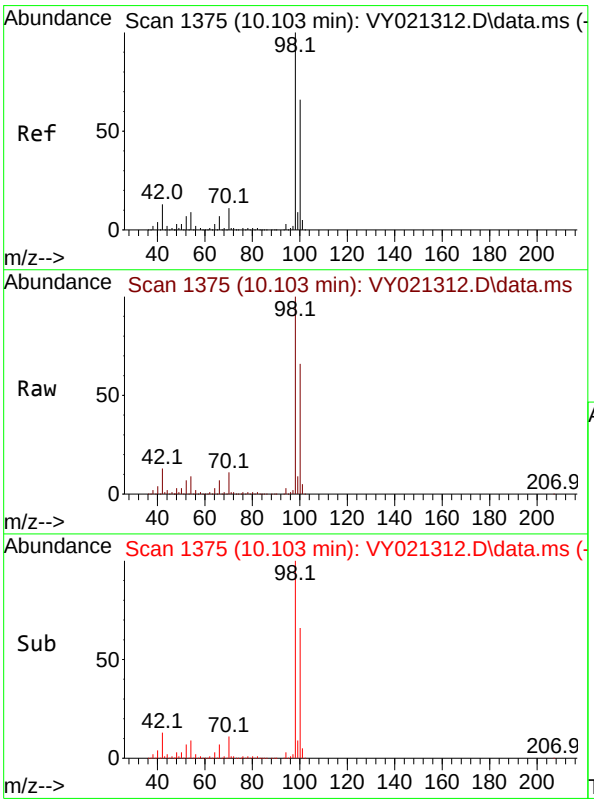
Ion	Ratio	Lower	Upper
88	100		
43	43.5	34.8	52.2
58	74.7	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

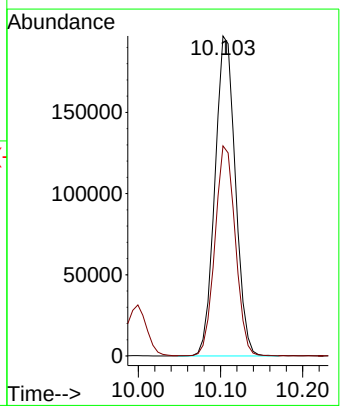


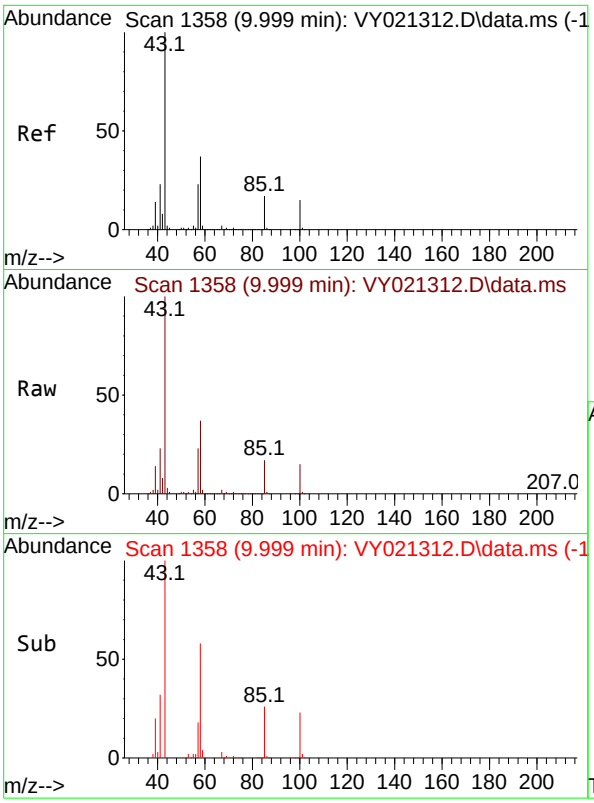


#50
Toluene-d8
Concen: 49.367 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 98 Resp: 340929

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6

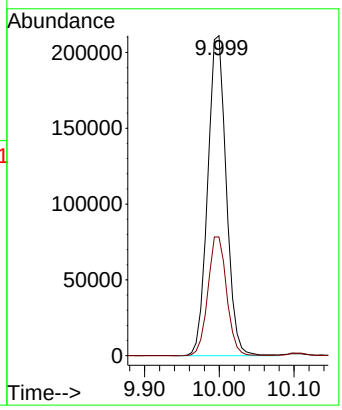




#51
4-Methyl-2-Pentanone
Concen: 275.485 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 36444

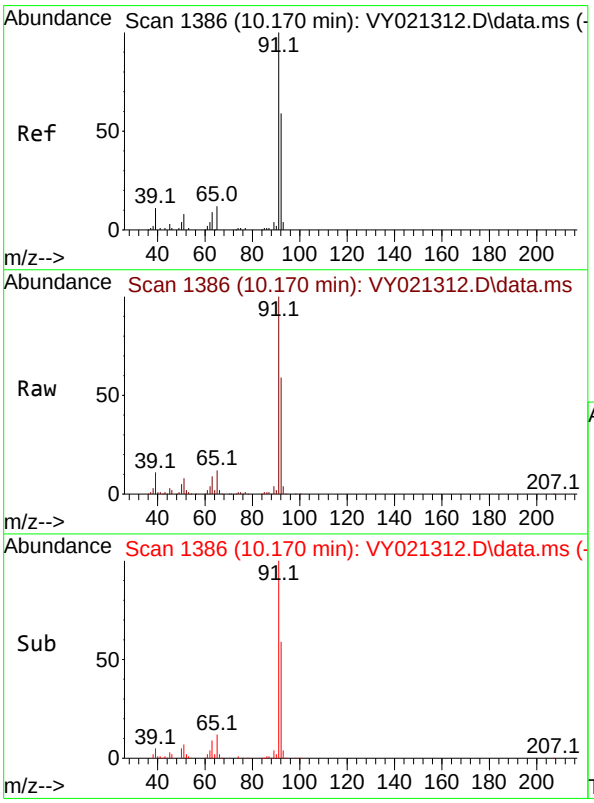
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

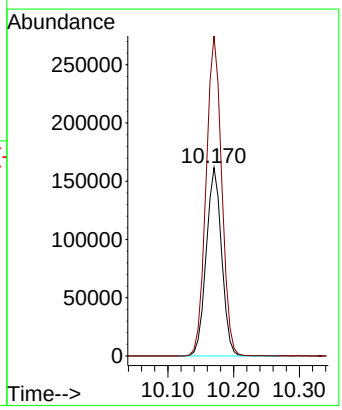
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

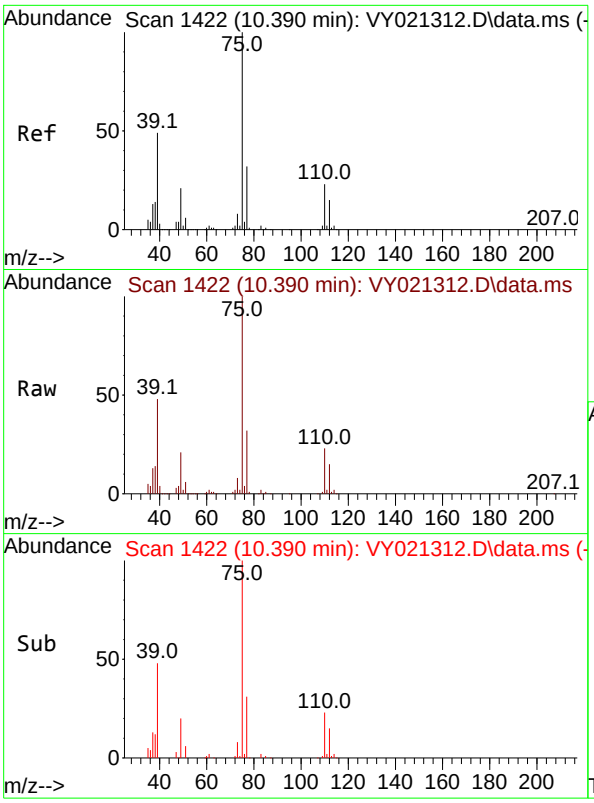


#52
Toluene
Concen: 53.367 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 92 Resp: 263062

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.8	206.8

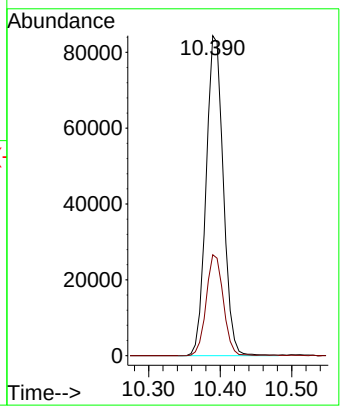




#53
t-1,3-Dichloropropene
Concen: 55.062 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 140399

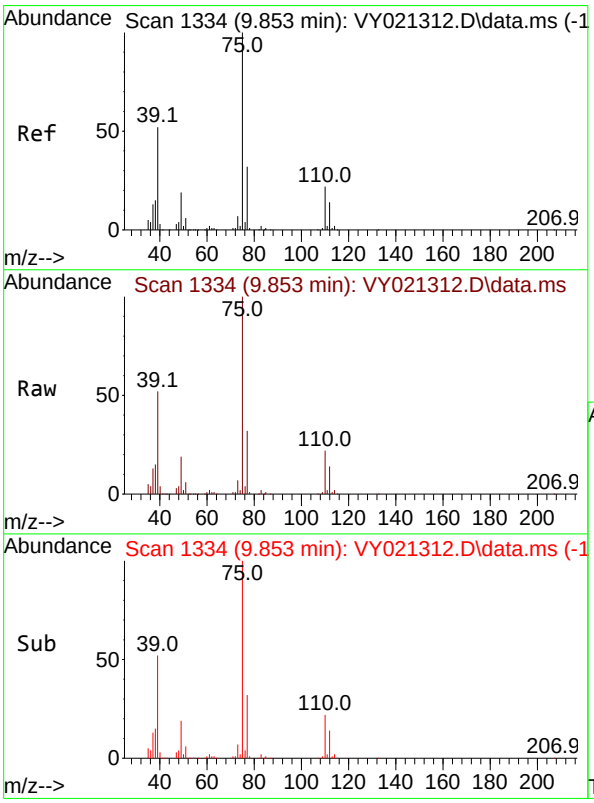
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

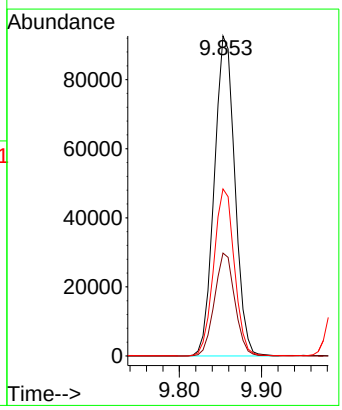
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

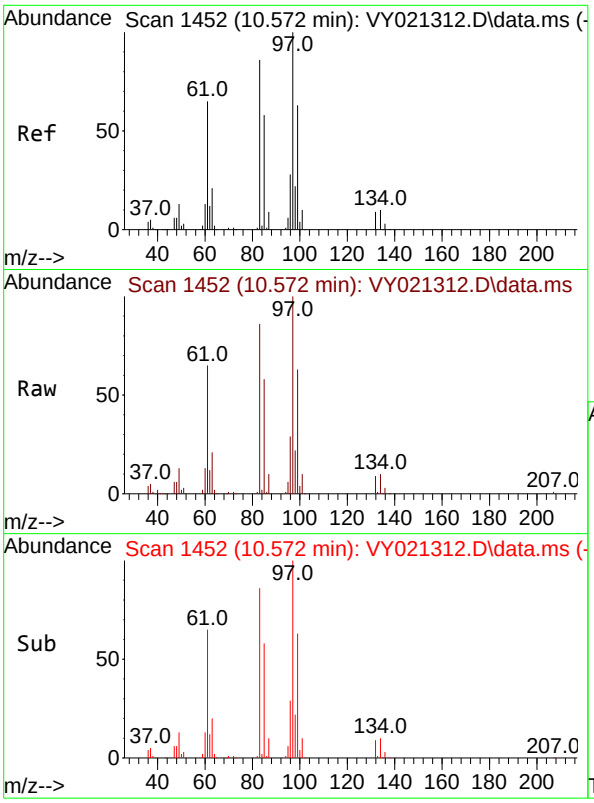


#54
cis-1,3-Dichloropropene
Concen: 53.492 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 161021

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5
39	52.2	41.8	62.6

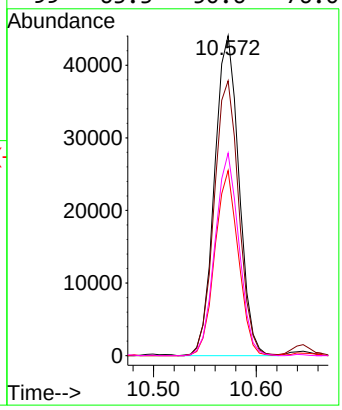




#55
1,1,2-Trichloroethane
Concen: 53.481 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 97 Resp: 7272

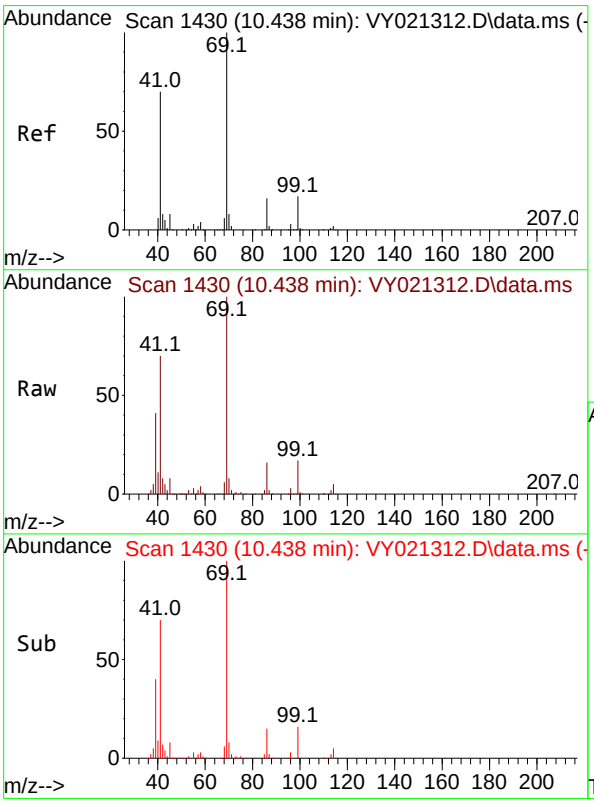
Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.7	103.1
85	57.9	46.3	69.5
99	63.3	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

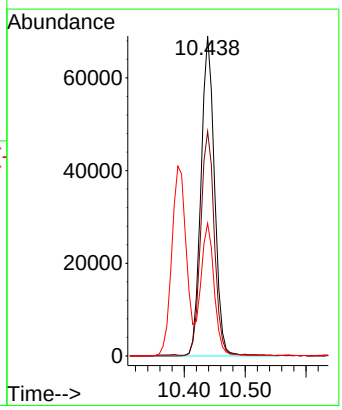
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

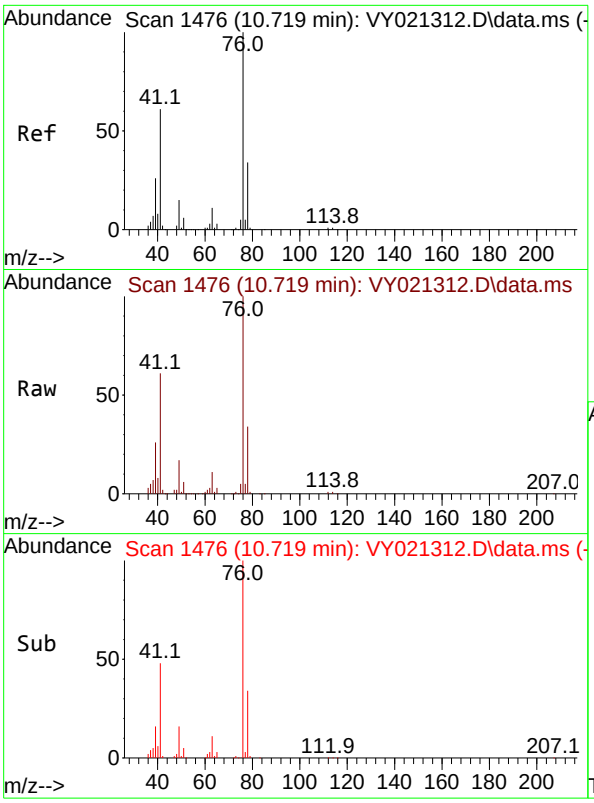


#56
Ethyl methacrylate
Concen: 56.904 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 69 Resp: 106914

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	40.9	32.7	49.1

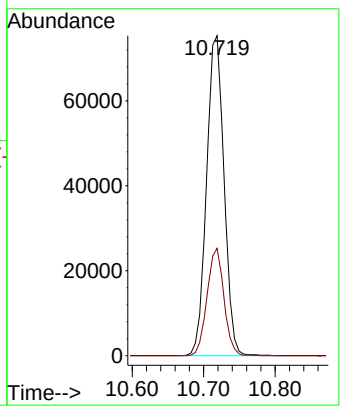




#57
1,3-Dichloropropane
Concen: 53.559 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 76 Resp: 12779

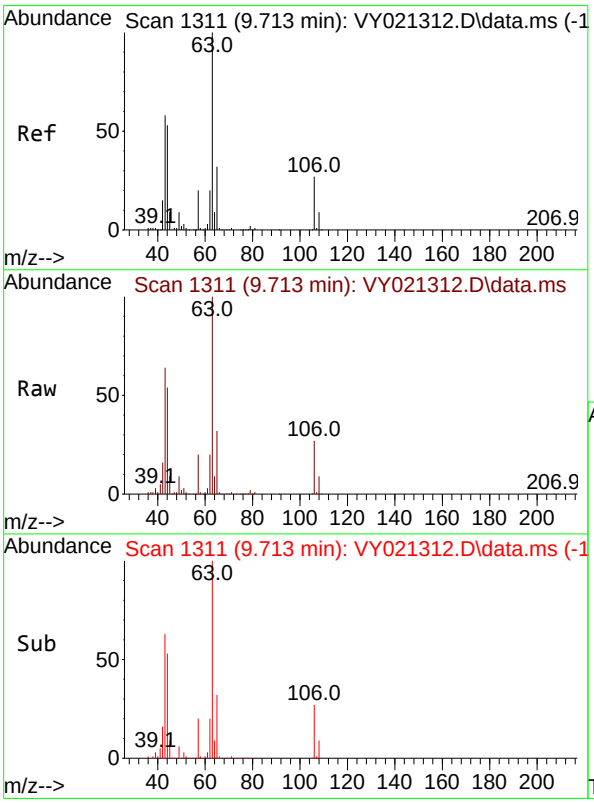
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

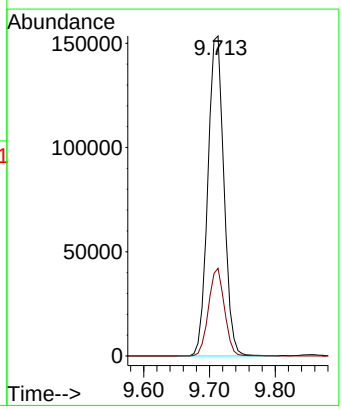
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

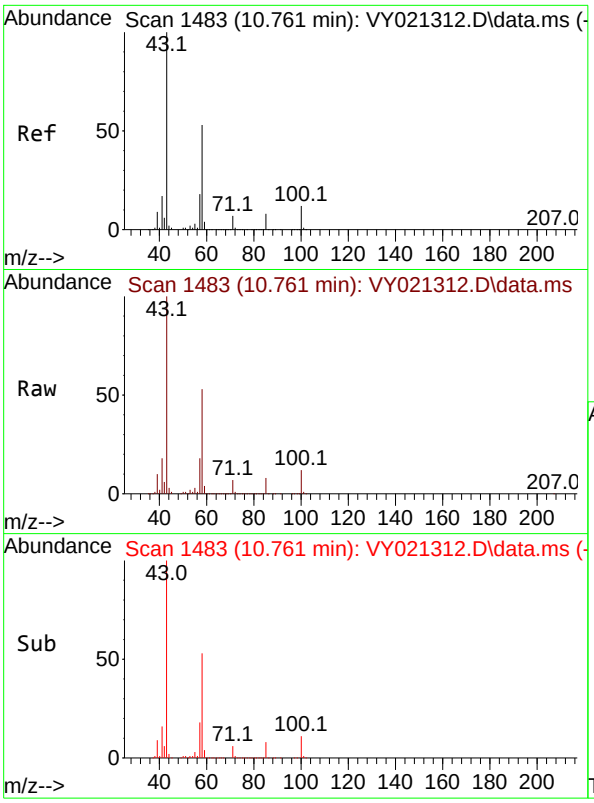


#58
2-Chloroethyl Vinyl ether
Concen: 289.104 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 260718

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5





#59
2-Hexanone
Concen: 287.258 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

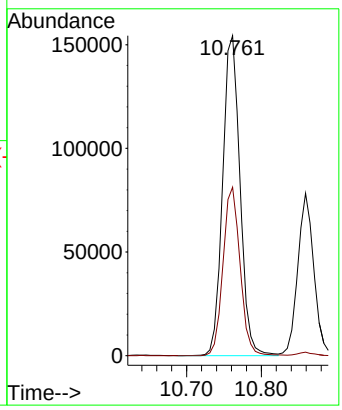
Tgt Ion: 43 Resp: 24957

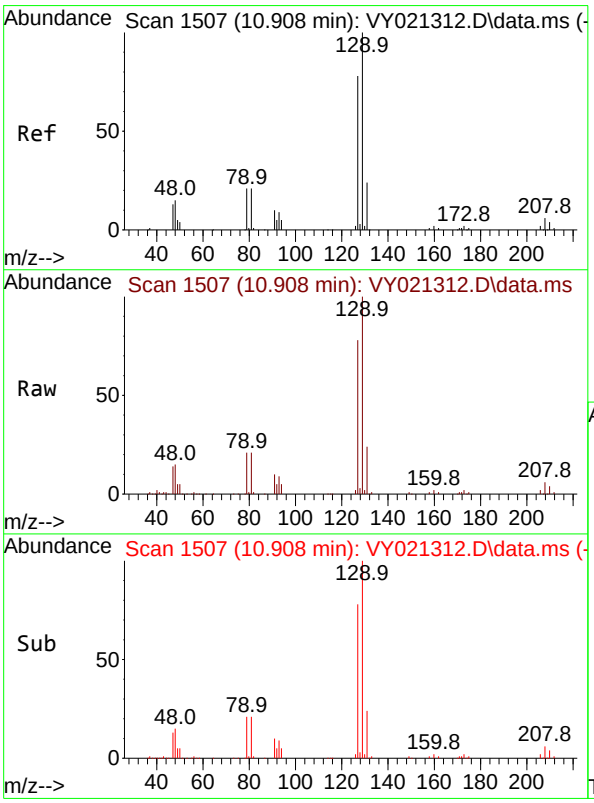
Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

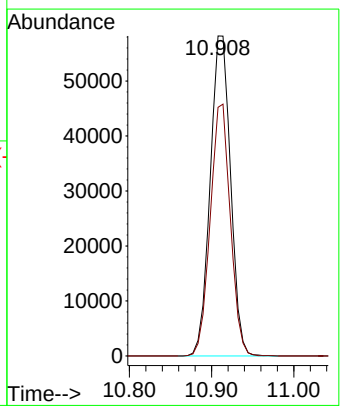


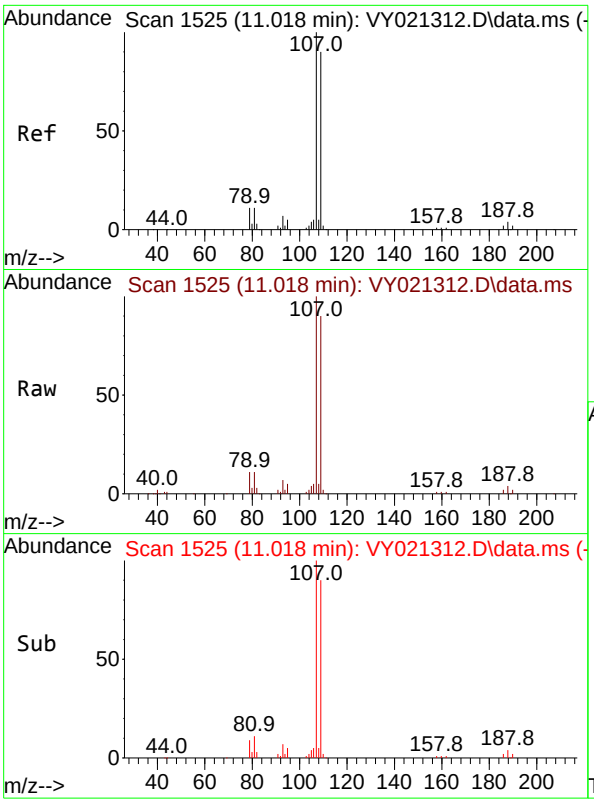


#60
Dibromochloromethane
Concen: 54.134 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:129 Resp: 100250

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4

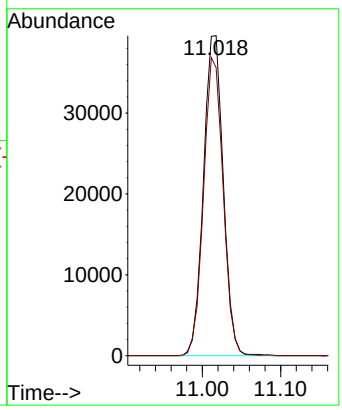




#61
1,2-Dibromoethane
Concen: 53.783 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:107 Resp: 6923

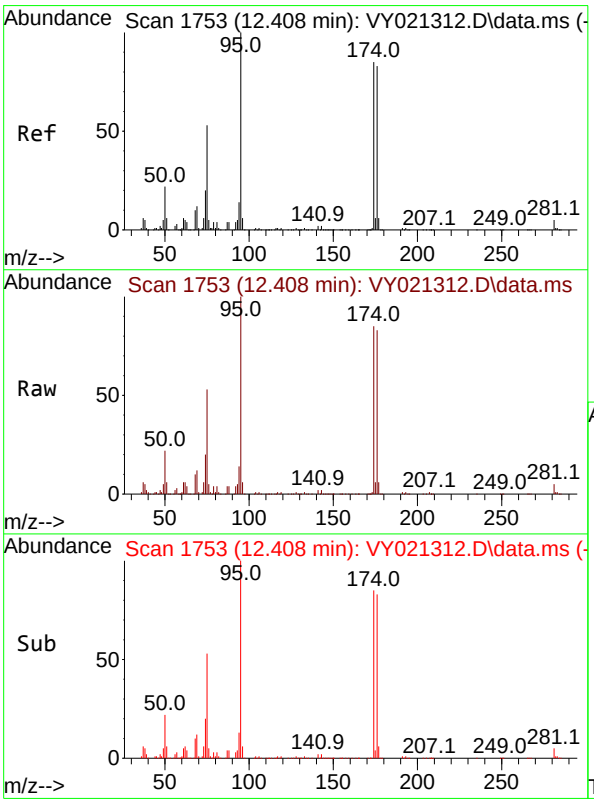
Ion	Ratio	Lower	Upper
107	100		
109	92.3	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

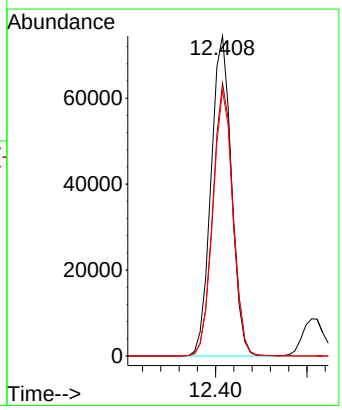
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

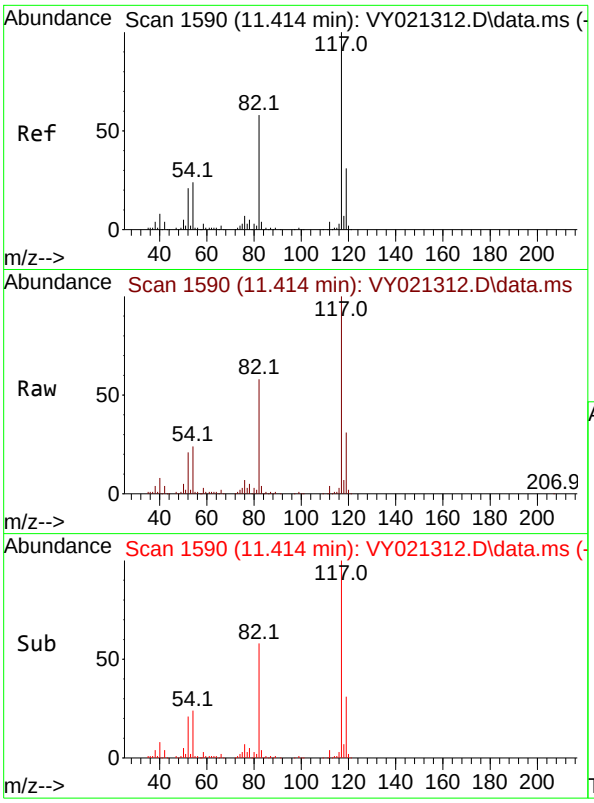


#62
4-Bromofluorobenzene
Concen: 49.652 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 95 Resp: 115401

Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	168.0
176	81.3	0.0	162.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

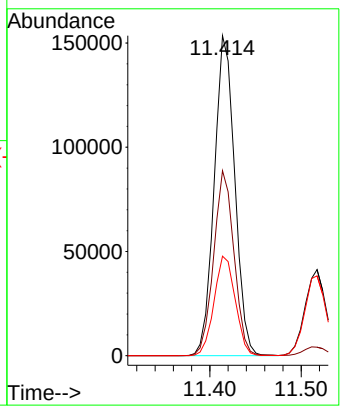
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

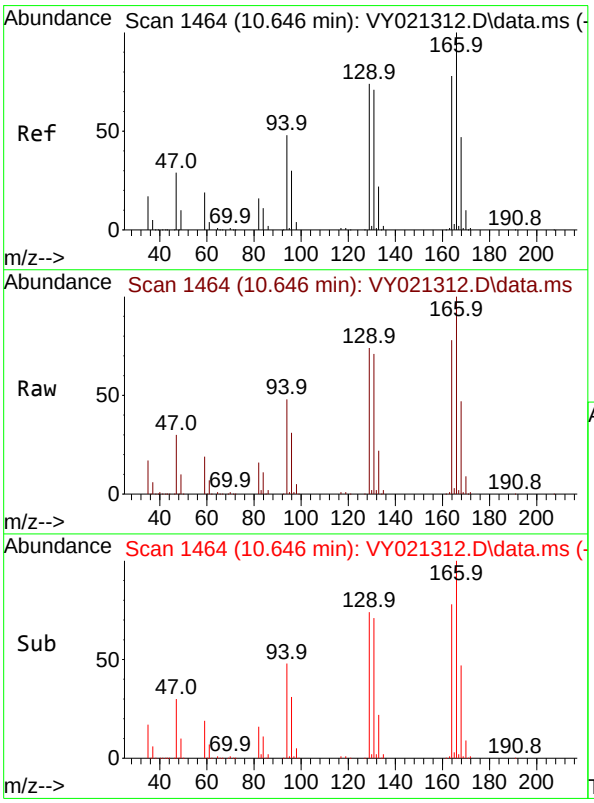
Tgt Ion:117 Resp: 23972

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.2	69.4
119	31.1	24.9	37.3

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

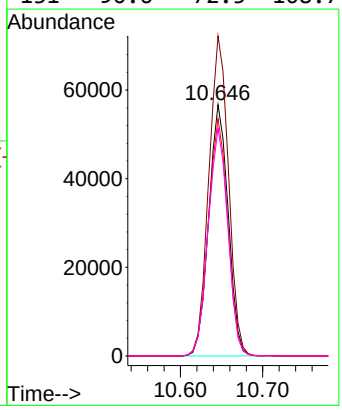


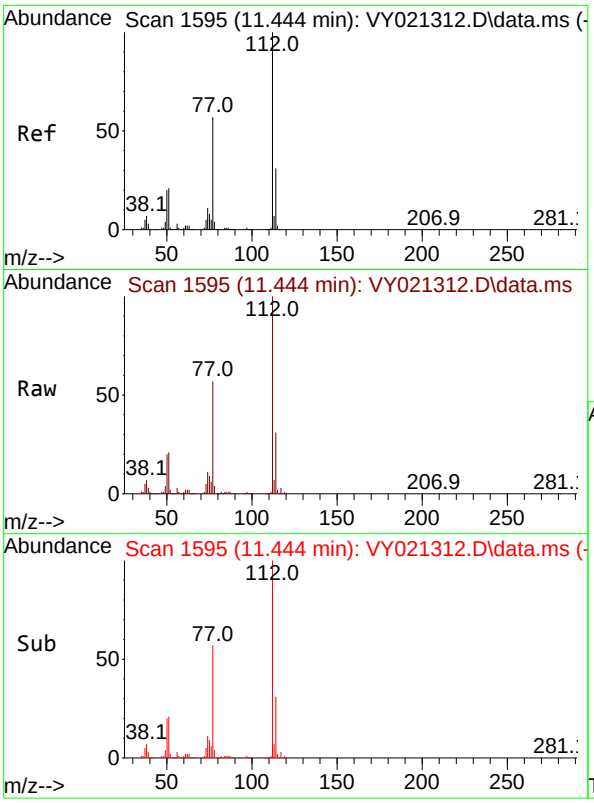


#64
Tetrachloroethene
Concen: 51.501 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:164 Resp: 93317

Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	94.4	75.5	113.3
131	90.6	72.5	108.7

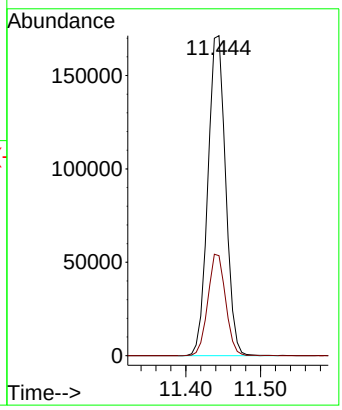




#65
Chlorobenzene
Concen: 52.390 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:112 Resp: 28191

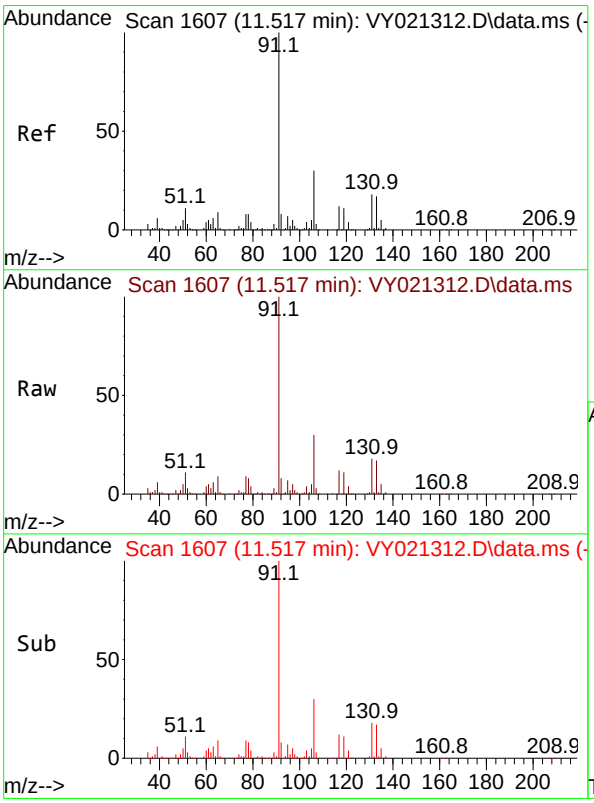
Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

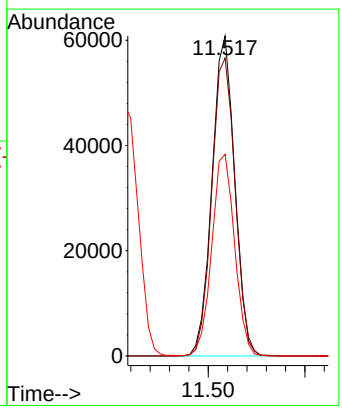
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

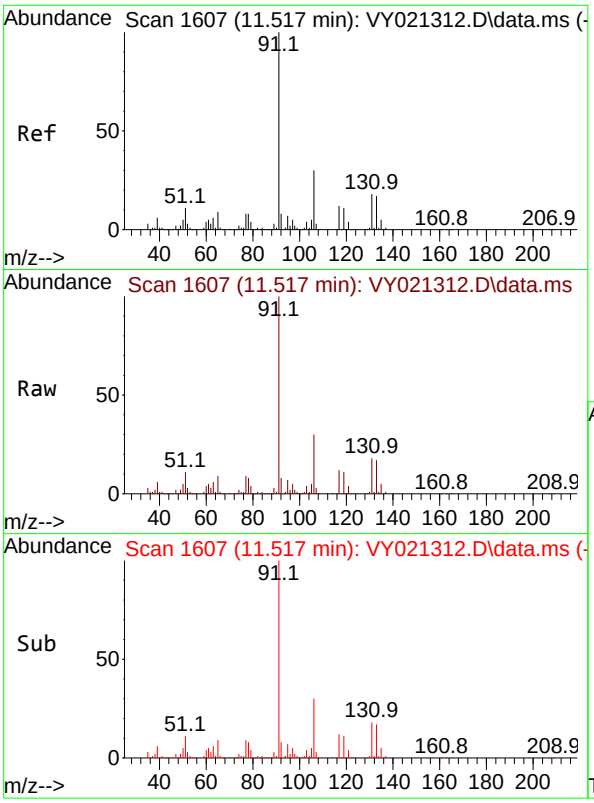


#66
1,1,1,2-Tetrachloroethane
Concen: 52.611 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:131 Resp: 99131

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.9	143.6
119	63.4	31.7	95.1





#67
Ethyl Benzene
Concen: 53.573 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

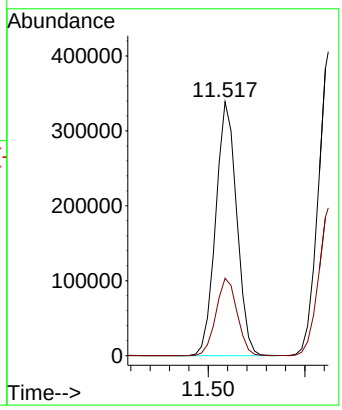
Tgt Ion: 91 Resp: 51063

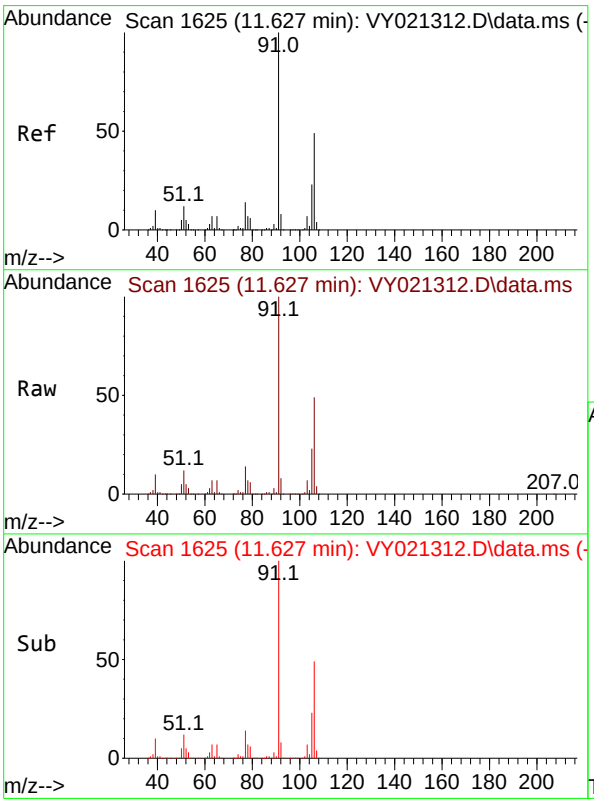
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

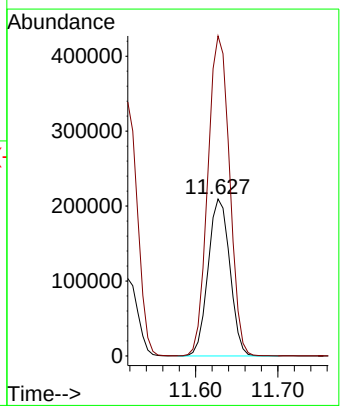


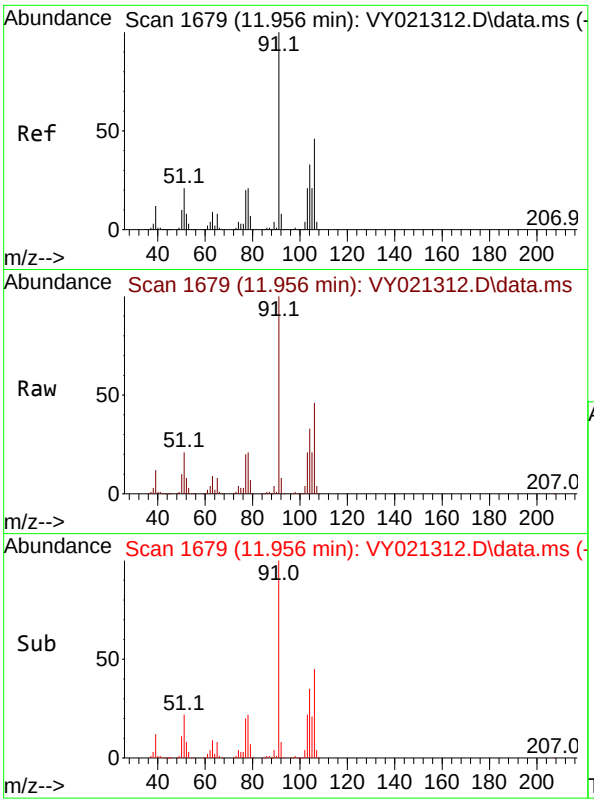


#68
m/p-Xylenes
Concen: 107.204 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:106 Resp: 384346

Ion	Ratio	Lower	Upper
106	100		
91	204.9	163.9	245.9





#69
o-Xylene
Concen: 54.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

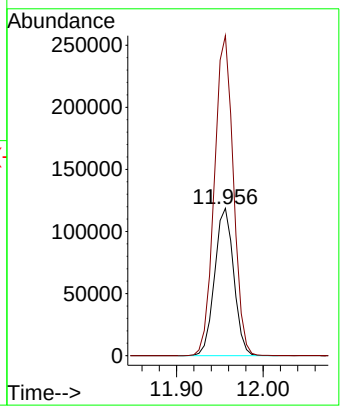
Tgt Ion:106 Resp: 18172

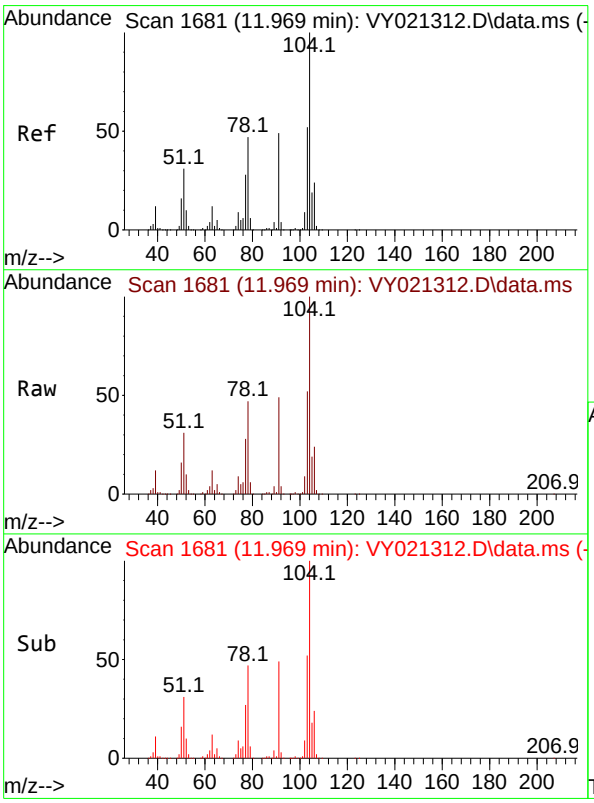
Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

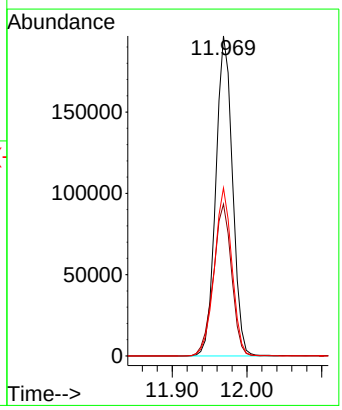


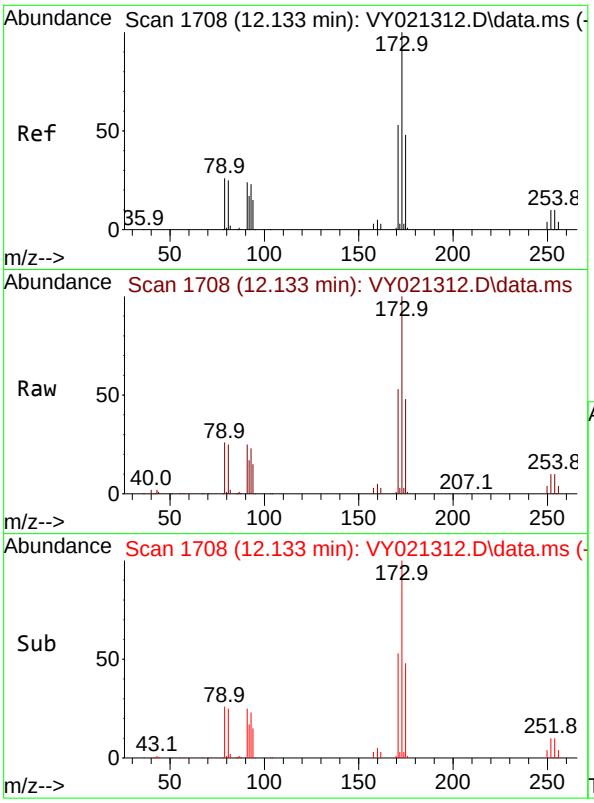


#70
Styrene
Concen: 54.760 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:104 Resp: 306007

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.3	61.9
103	54.9	43.9	65.9

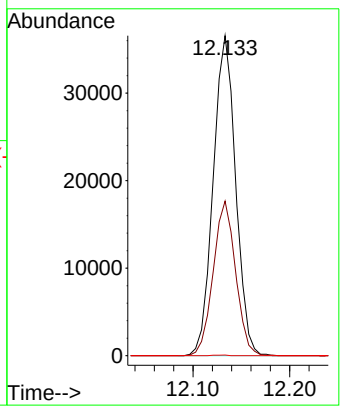




#71
Bromoform
Concen: 54.605 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:173 Resp: 5886

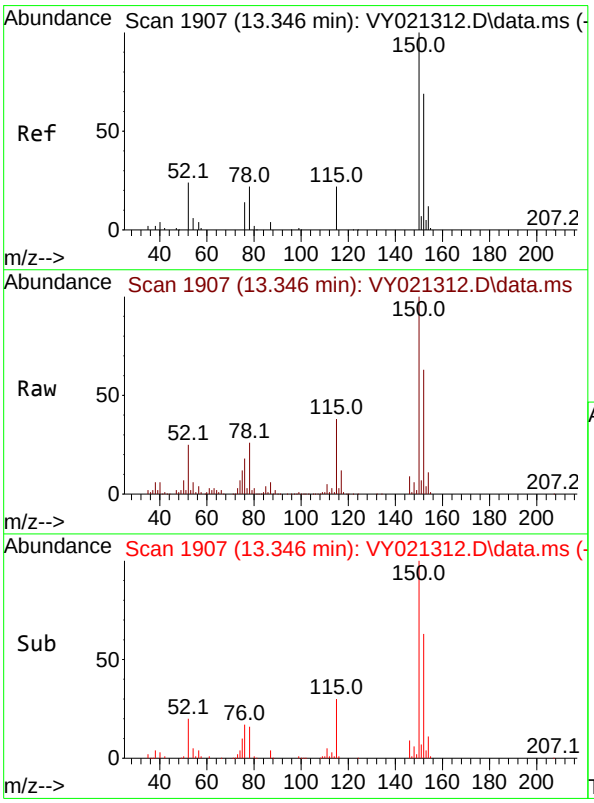
Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

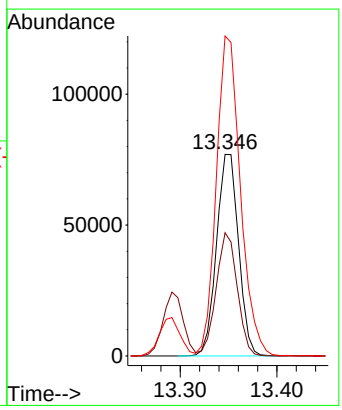
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

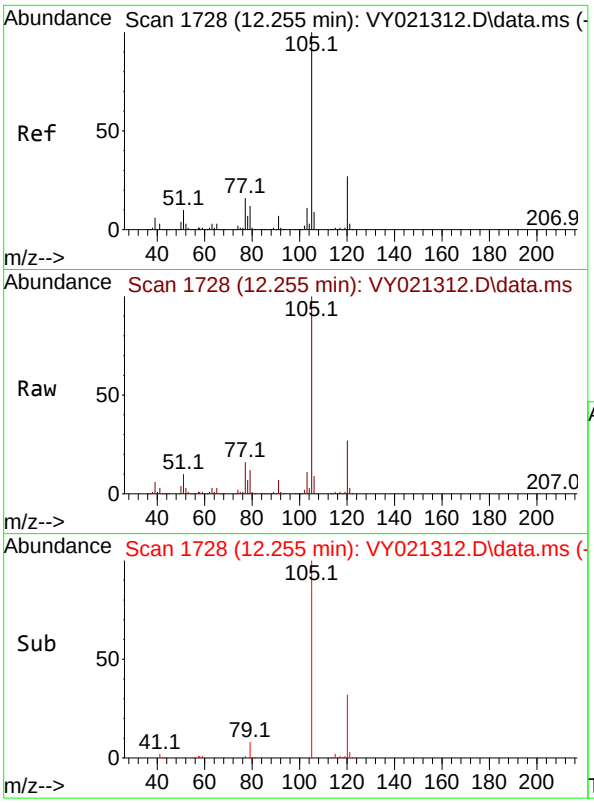


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:152 Resp: 121718

Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.3	88.0
150	173.7	0.0	347.4

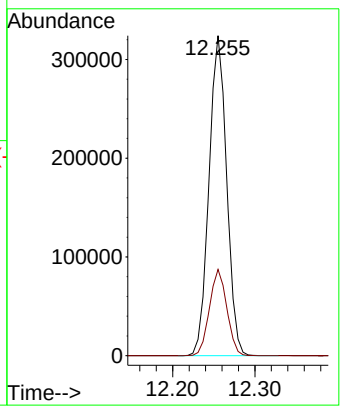




#73
Isopropylbenzene
Concen: 52.885 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 48393

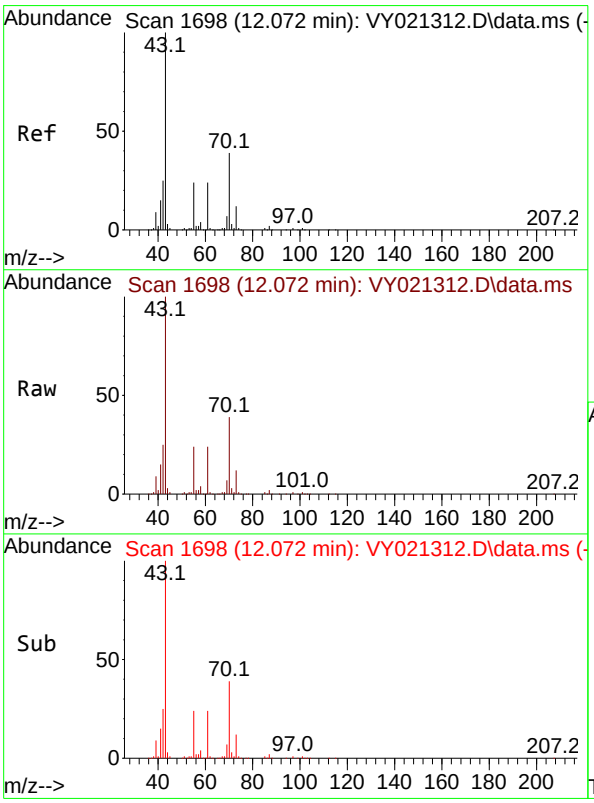
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

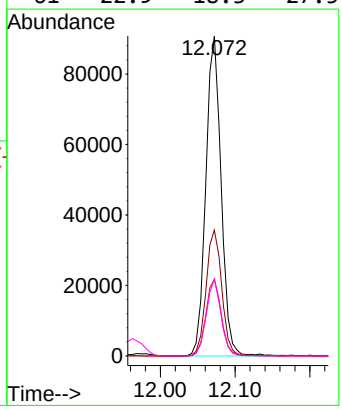
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

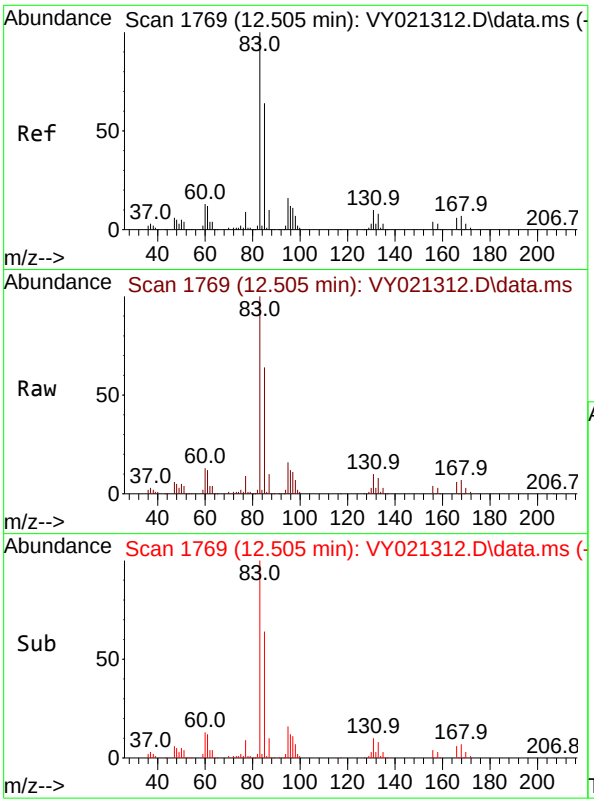


#74
N-amyl acetate
Concen: 55.471 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 129020

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	24.5	19.6	29.4
61	22.9	18.3	27.5

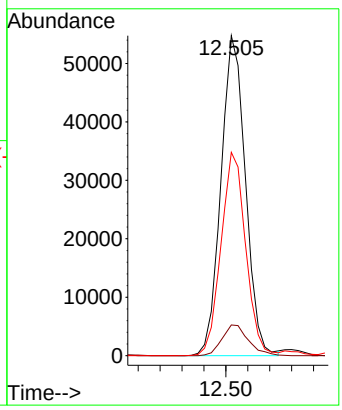




#75
1,1,2,2-Tetrachloroethane
Concen: 52.566 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 8489

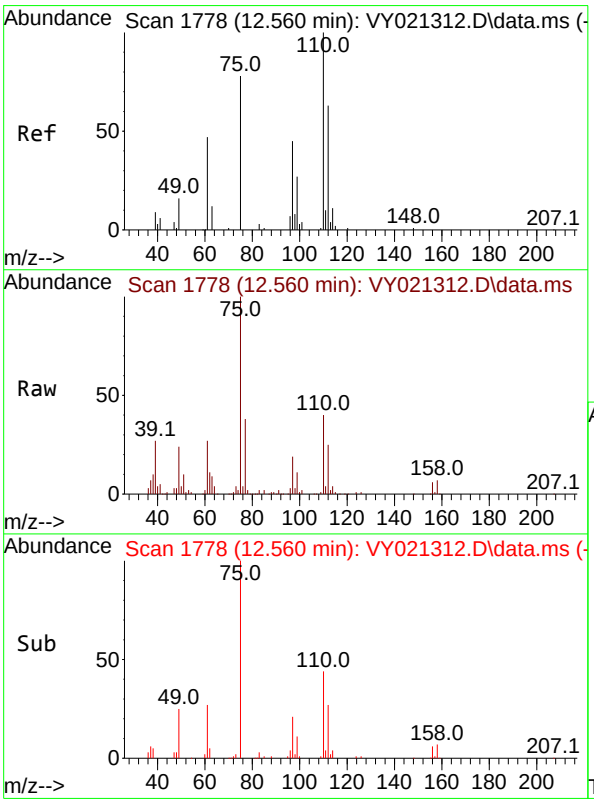
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

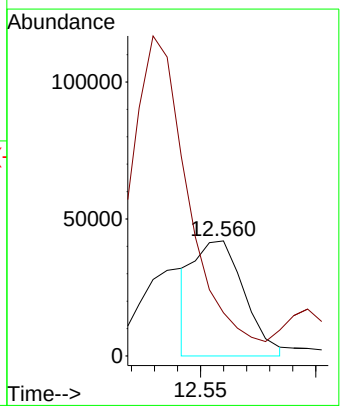
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

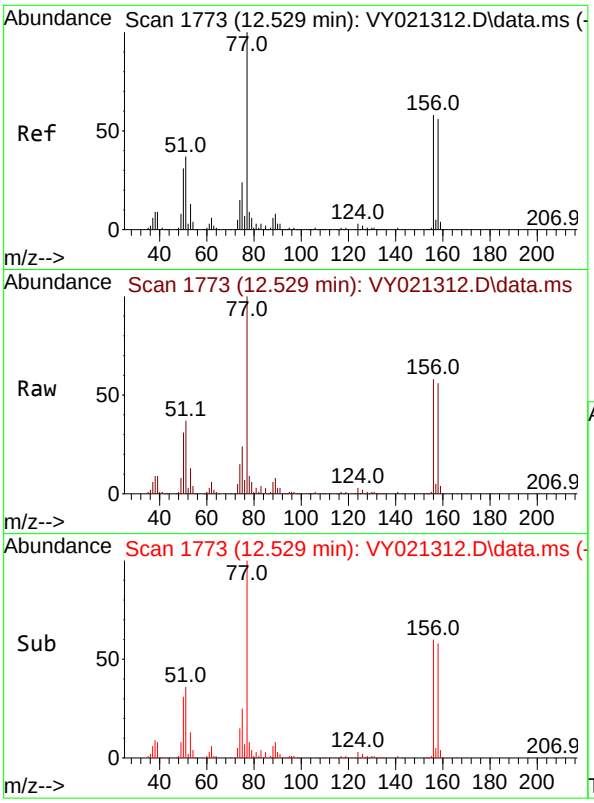


#76
1,2,3-Trichloropropane
Concen: 51.954 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 63683

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

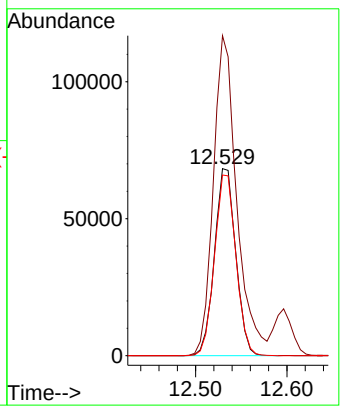




#77
Bromobenzene
Concen: 51.935 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:156 Resp: 11053

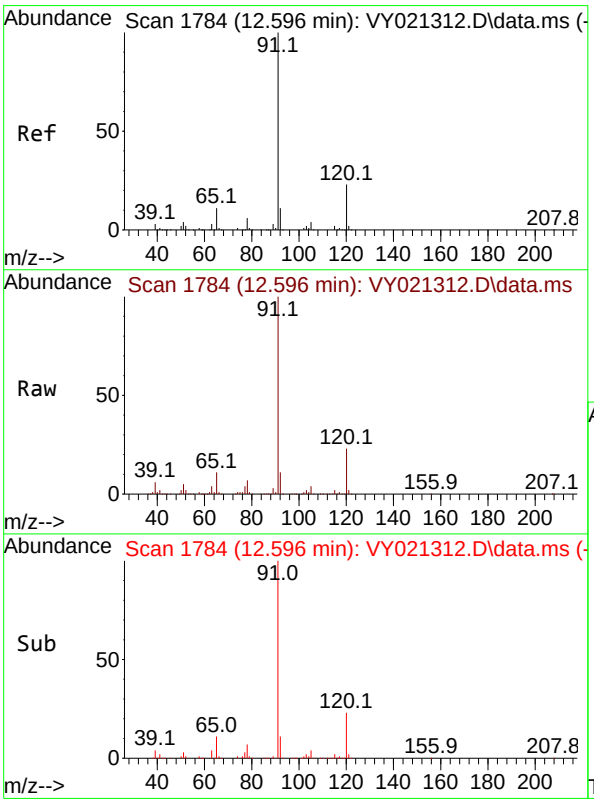
Ion	Ratio	Lower	Upper
156	100		
77	188.1	94.0	282.1
158	97.4	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

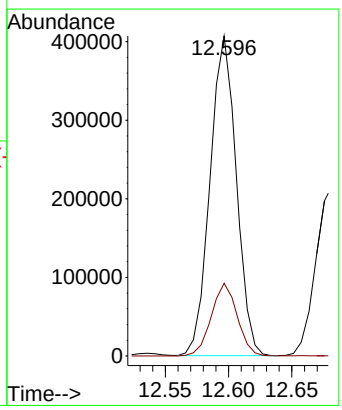
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

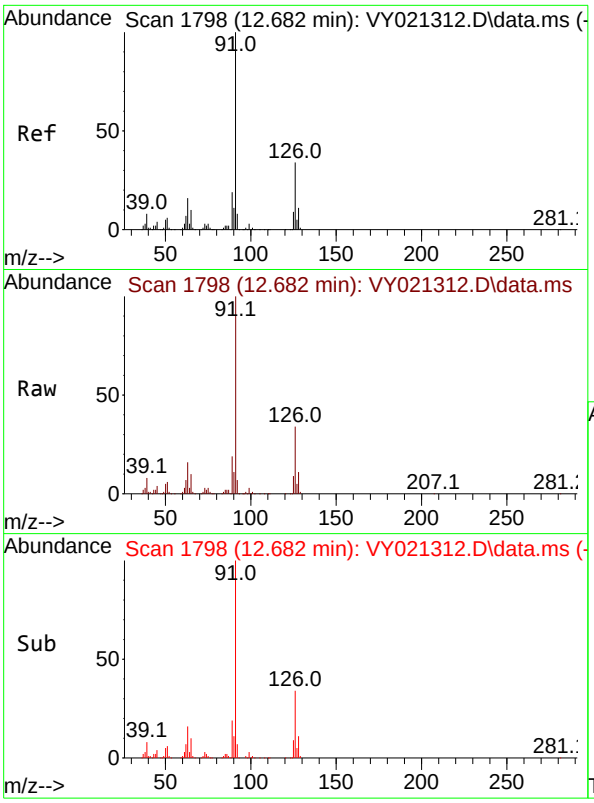


#78
n-propylbenzene
Concen: 52.946 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 587915

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5

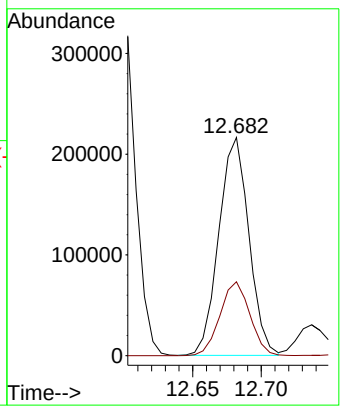




#79
2-Chlorotoluene
Concen: 51.857 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 33047

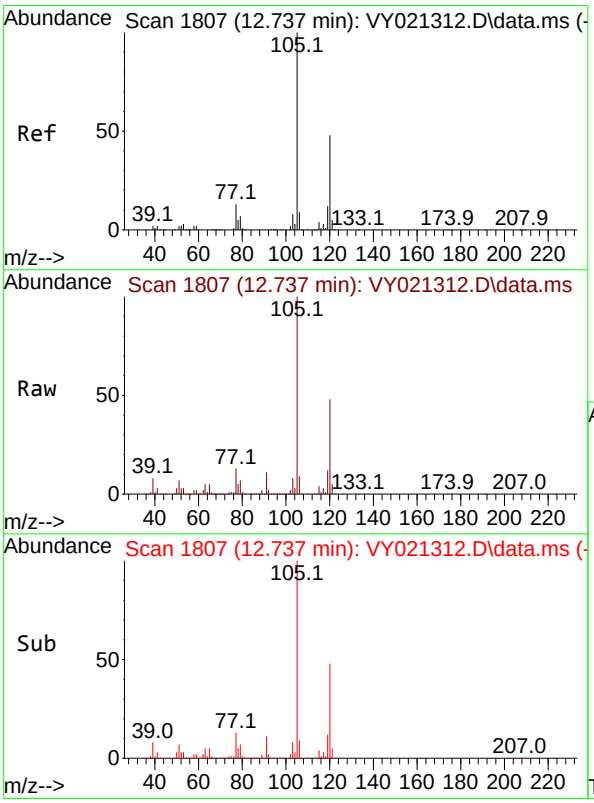
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

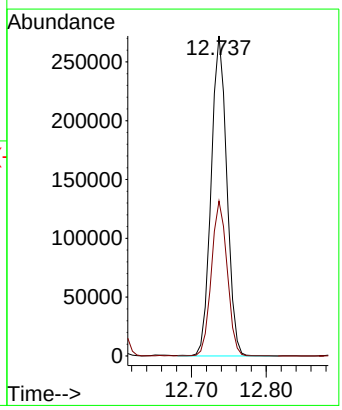
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

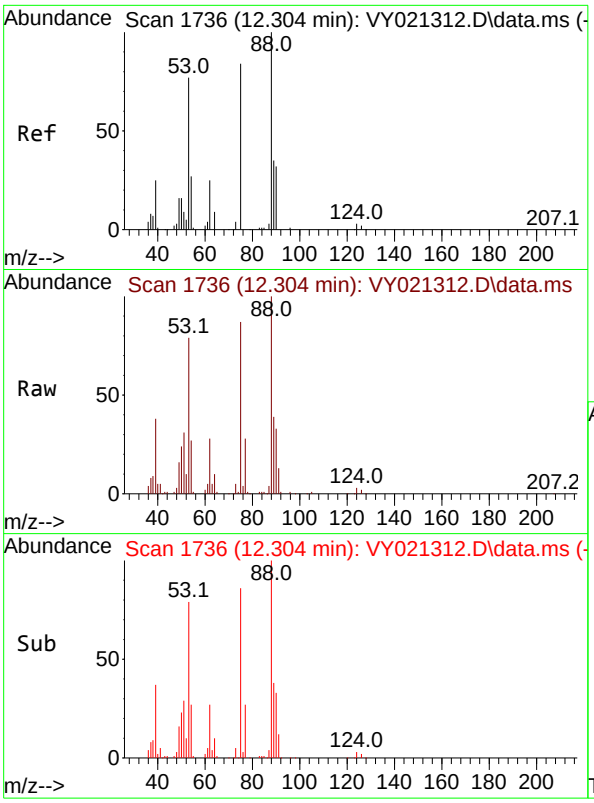


#80
1,3,5-Trimethylbenzene
Concen: 52.712 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395609

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 54.090 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

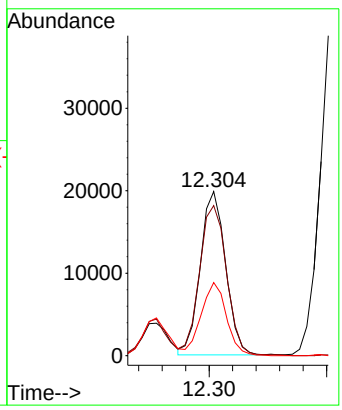
Tgt Ion: 75 Resp: 2964

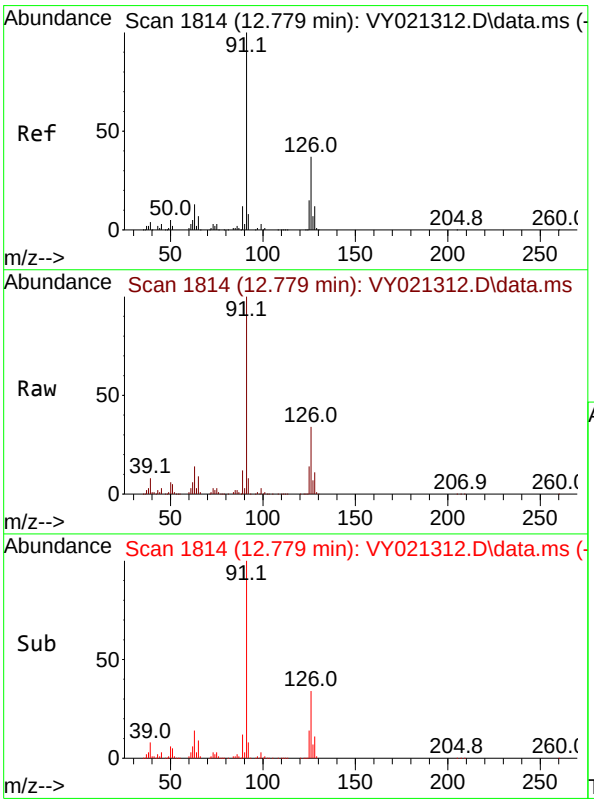
Ion	Ratio	Lower	Upper
75	100		
53	98.9	79.1	118.7
89	44.5	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

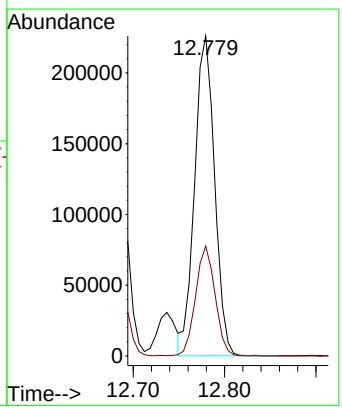


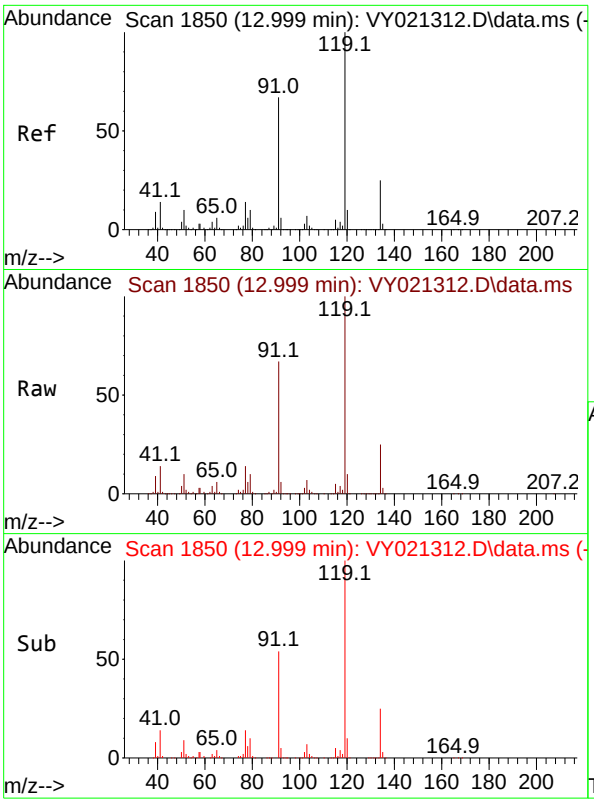


#82
4-Chlorotoluene
Concen: 51.864 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 342611

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

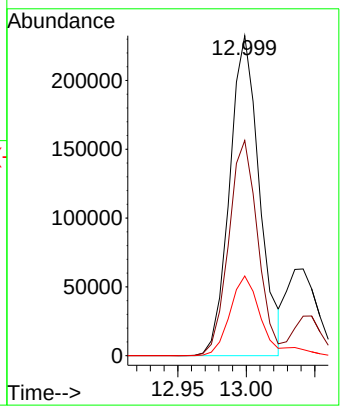




#83
tert-Butylbenzene
Concen: 51.930 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:119 Resp: 35205

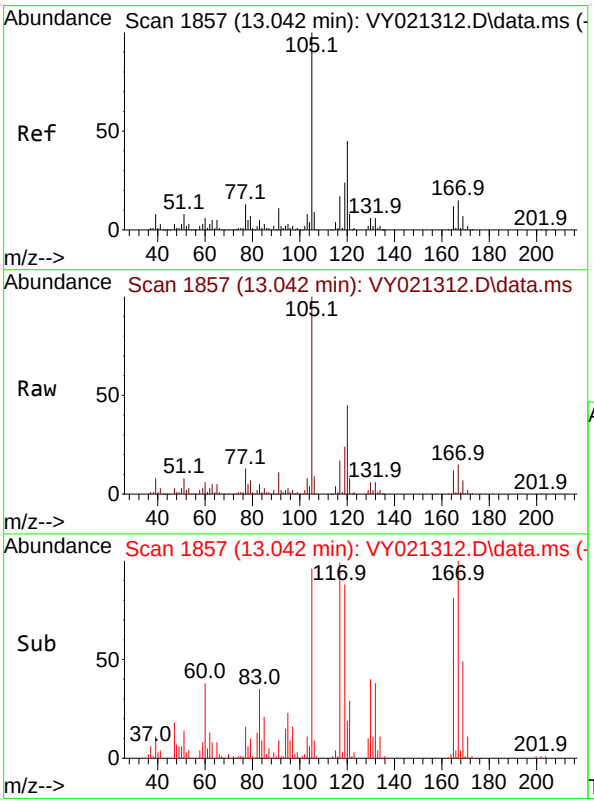
Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.7	98.1
134	26.6	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

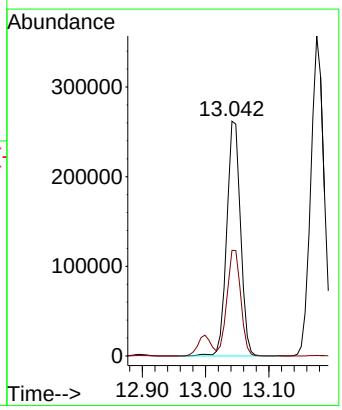
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

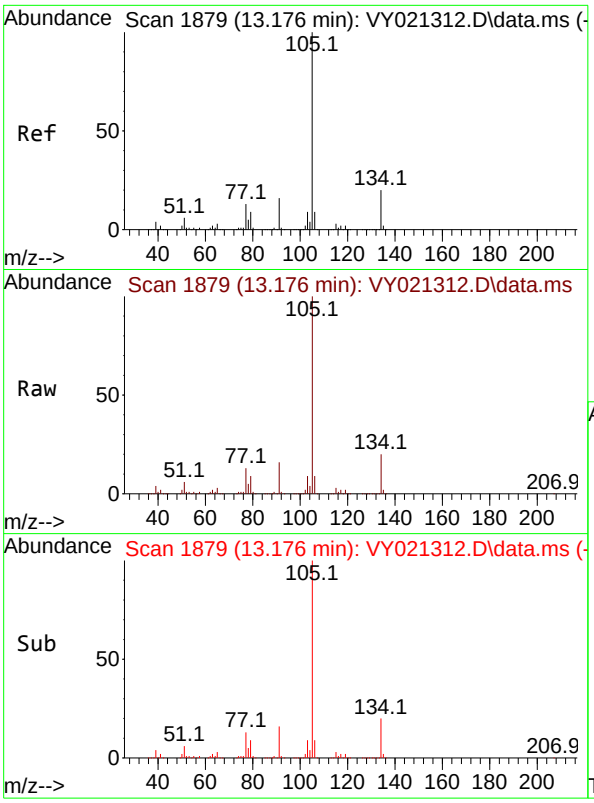


#84
1,2,4-Trimethylbenzene
Concen: 52.962 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395315

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3

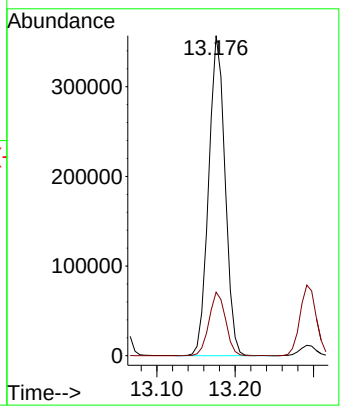




#85
sec-Butylbenzene
Concen: 52.319 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 51809

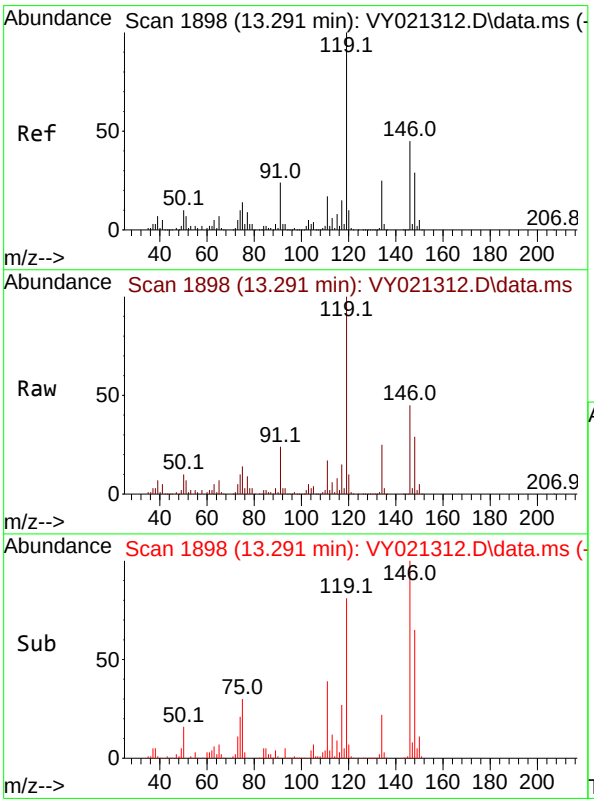
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

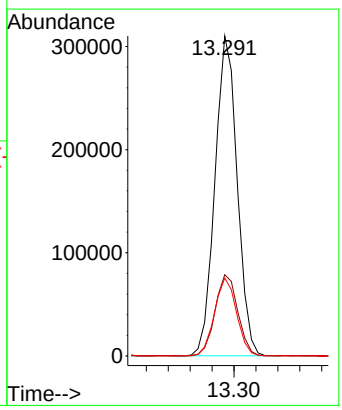
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

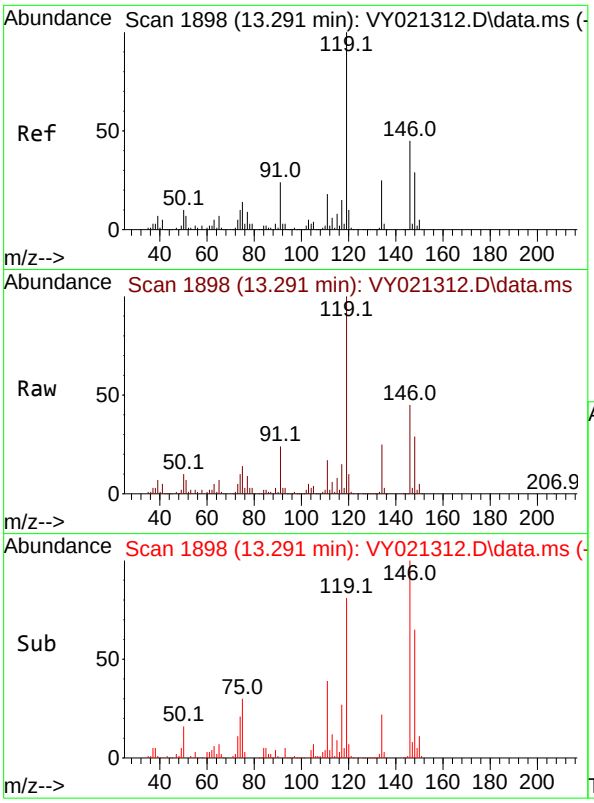


#86
p-Isopropyltoluene
Concen: 52.884 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:119 Resp: 437283

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.1	12.0	36.1

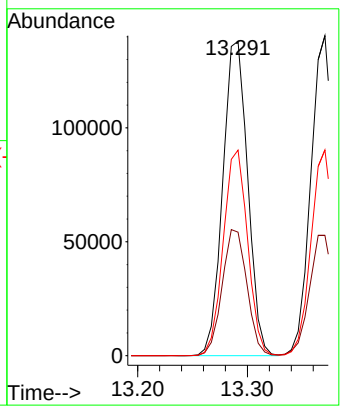




#87
1,3-Dichlorobenzene
Concen: 51.811 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 21813

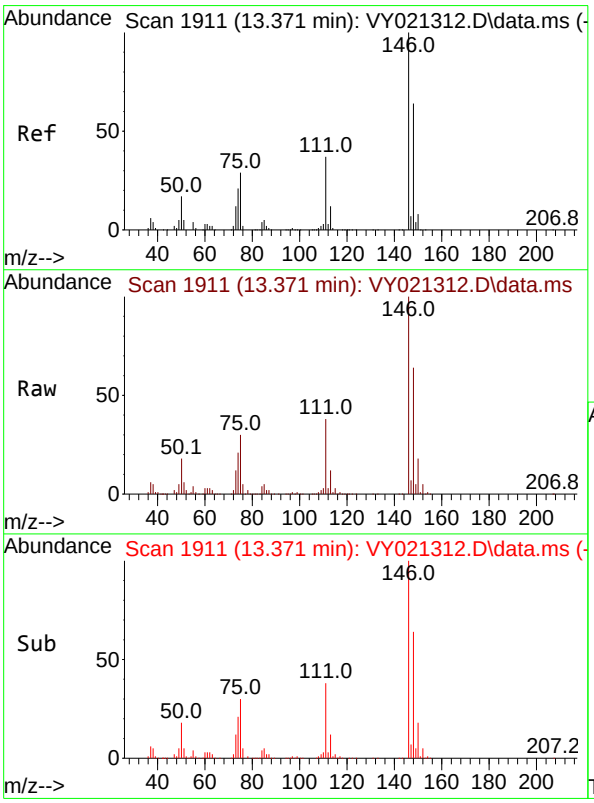
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

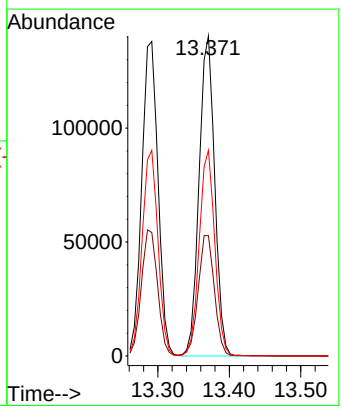
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

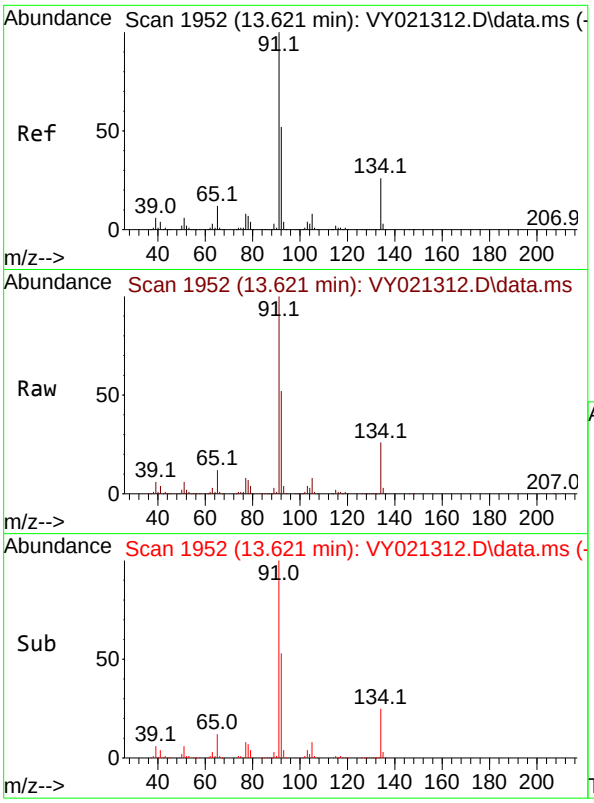


#88
1,4-Dichlorobenzene
Concen: 51.233 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 213090

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.1	32.0	96.2

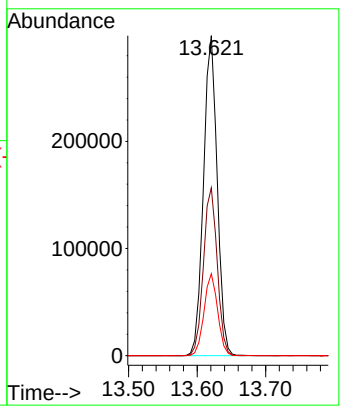




#89
n-Butylbenzene
Concen: 53.510 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 41637

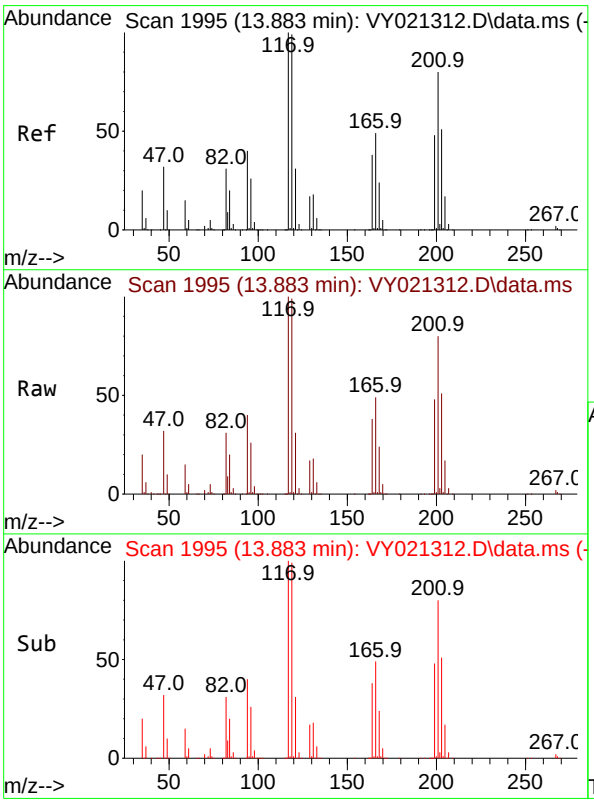
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.3	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

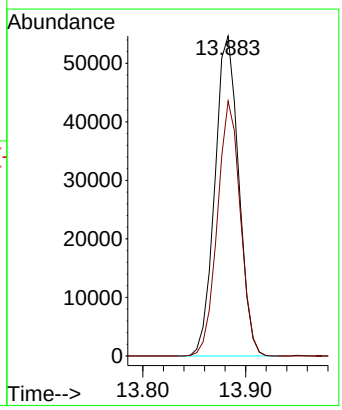
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

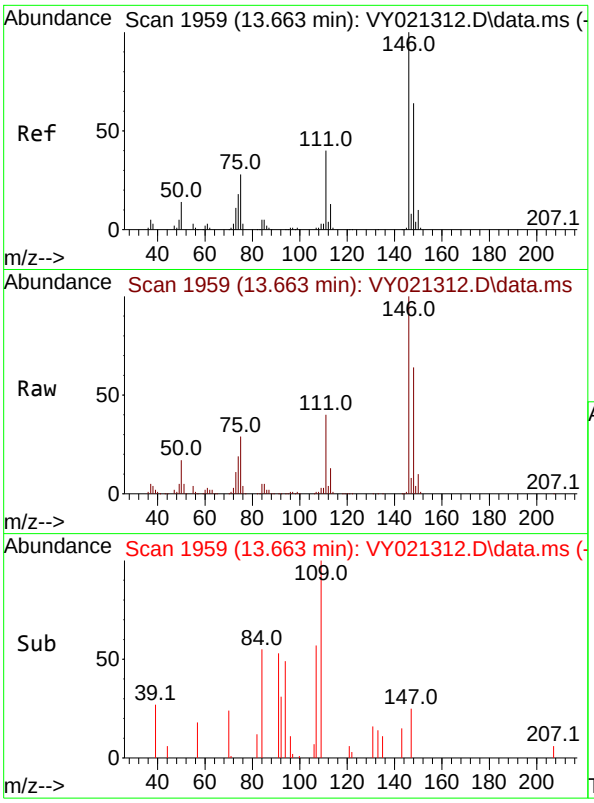


#90
Hexachloroethane
Concen: 50.814 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 87765

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2

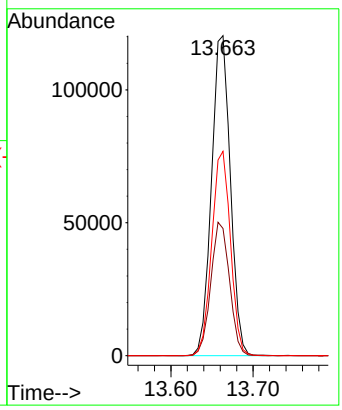




#91
1,2-Dichlorobenzene
Concen: 51.985 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 19175

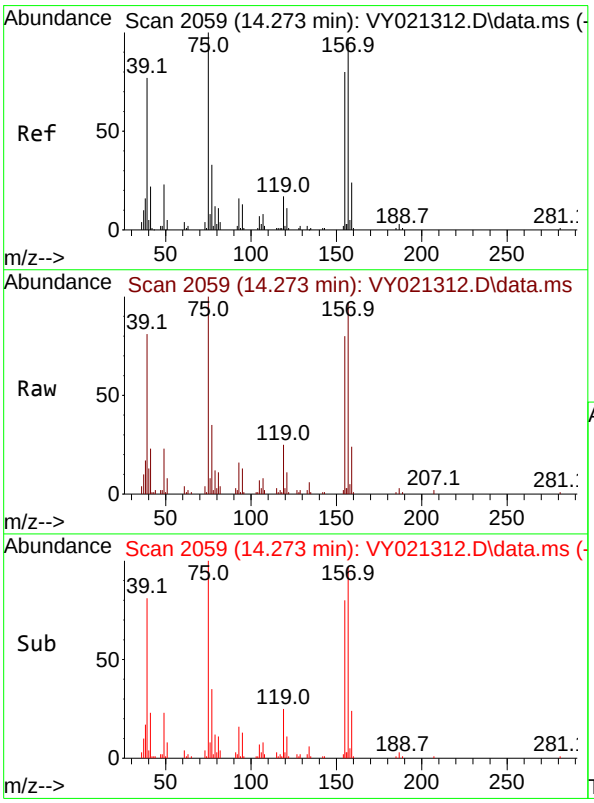
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.4	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

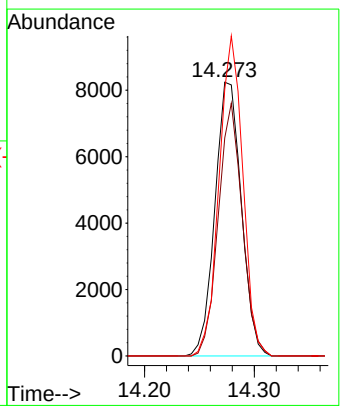
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

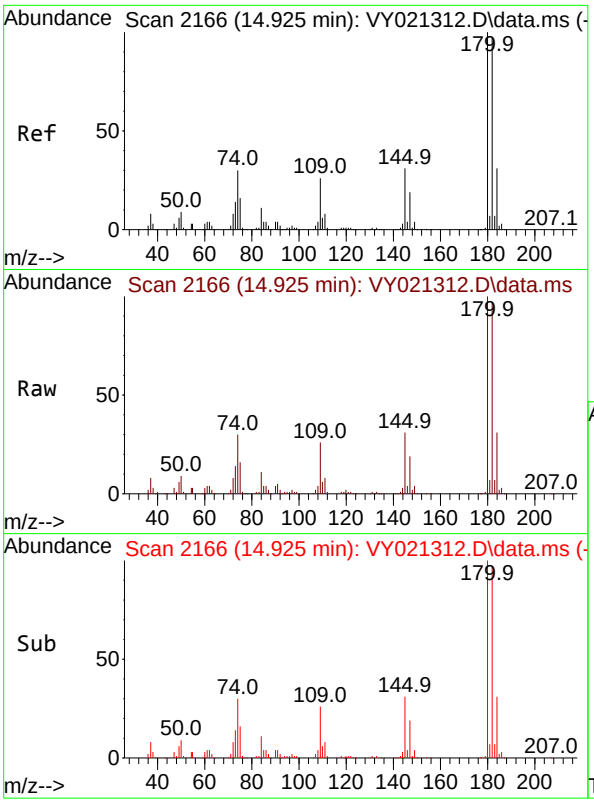


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.947 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 13782

Ion	Ratio	Lower	Upper
75	100		
155	83.7	41.9	125.6
157	105.1	52.5	157.6

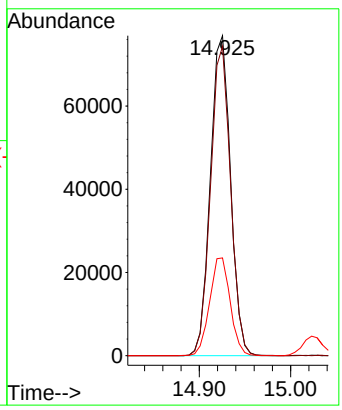




#93
1,2,4-Trichlorobenzene
Concen: 52.360 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:180 Resp: 11788

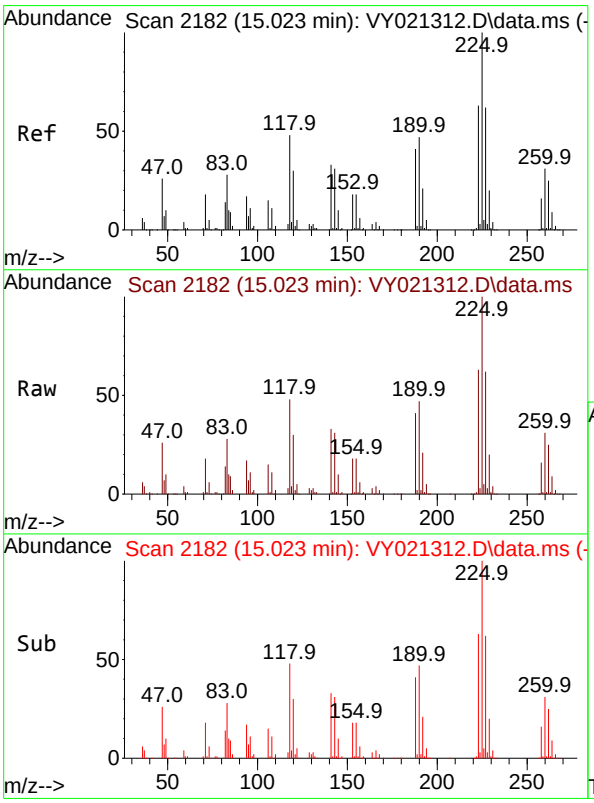
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.2	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

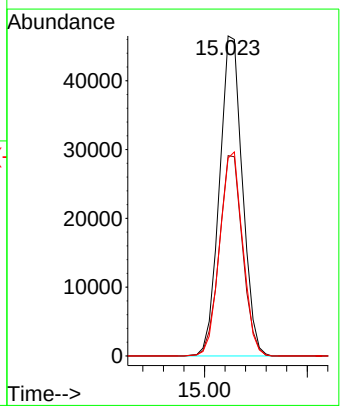
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

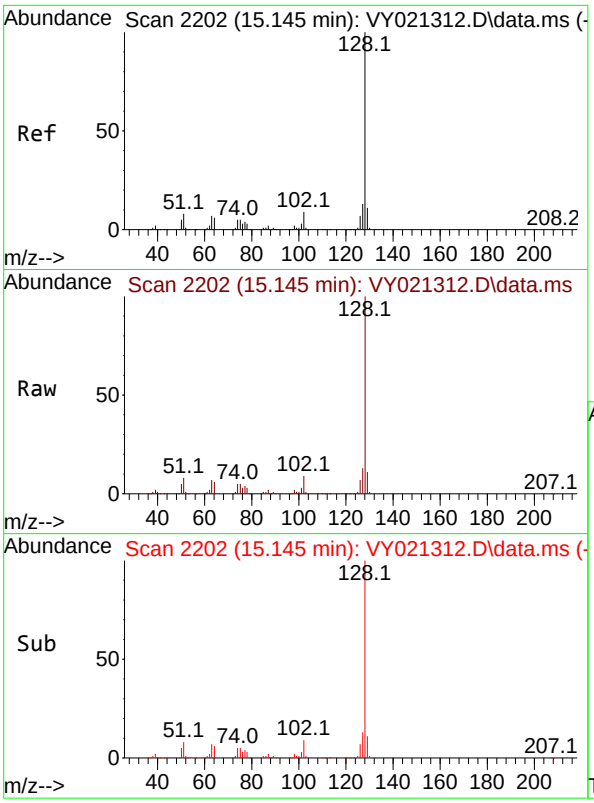


#94
Hexachlorobutadiene
Concen: 50.738 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:225 Resp: 71915

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.8	95.4
227	63.8	31.9	95.7

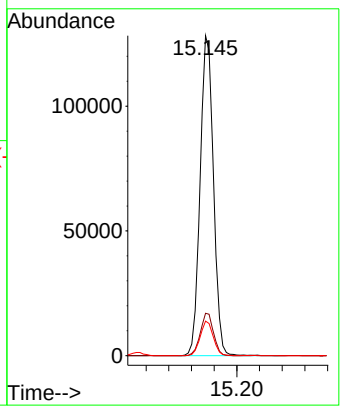




#95
Naphthalene
Concen: 56.174 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:128 Resp: 20947

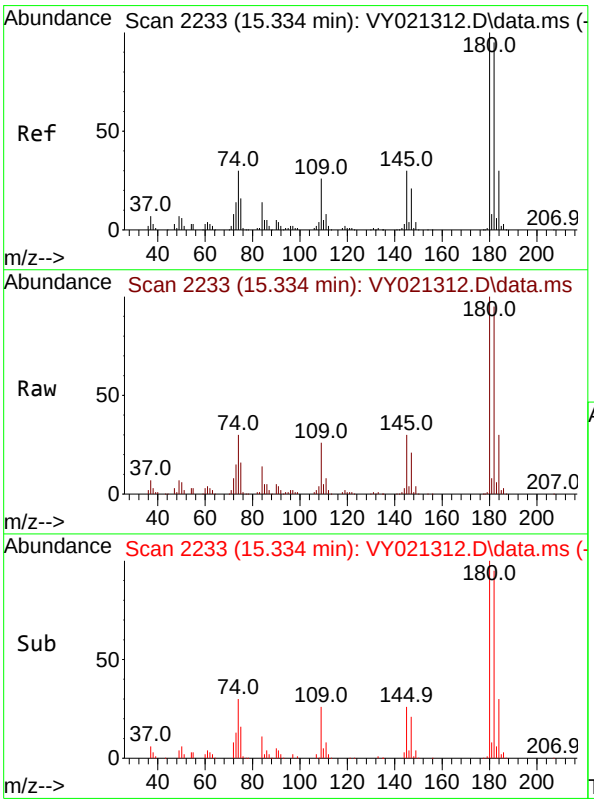
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.6	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

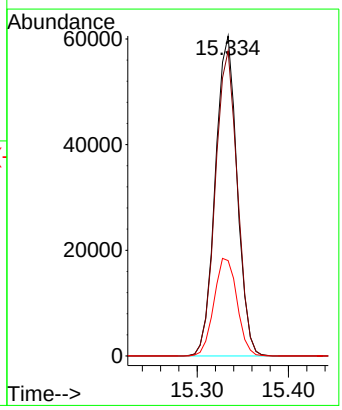
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.735 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:180 Resp: 100312

Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	32.2	16.1	48.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	180458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	283003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	306215	149.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 299.160%#			
35) Dibromofluoromethane	7.634	113	283537	152.818	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.640%#			
50) Toluene-d8	10.103	98	1094820	152.682	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 305.360%#			
62) 4-Bromofluorobenzene	12.401	95	369071	152.937	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 305.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	259643	151.753	ug/l	99
3) Chloromethane	2.068	50	323414	146.365	ug/l	99
4) Vinyl Chloride	2.202	62	328290	151.368	ug/l	97
5) Bromomethane	2.580	94	200754	139.293	ug/l	100
6) Chloroethane	2.726	64	197463	146.820	ug/l	97
7) Trichlorofluoromethane	3.056	101	492238	150.283	ug/l	98
8) Diethyl Ether	3.452	74	154649	157.312	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	293114	154.570	ug/l	99
10) Methyl Iodide	4.000	142	338246	169.542	ug/l	99
11) Tert butyl alcohol	4.860	59	106628	677.165	ug/l	99
12) 1,1-Dichloroethene	3.787	96	280431	154.445	ug/l	98
13) Acrolein	3.647	56	17213	142.652	ug/l	96
14) Allyl chloride	4.378	41	507854	157.755	ug/l	98
15) Acrylonitrile	5.055	53	344988	793.713	ug/l	99
16) Acetone	3.860	43	280172	713.470	ug/l	97
17) Carbon Disulfide	4.104	76	908476	150.676	ug/l	99
18) Methyl Acetate	4.378	43	149226	155.496	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	763596	159.172	ug/l	100
20) Methylene Chloride	4.610	84	296032	139.409	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	308627	154.401	ug/l	98
22) Diisopropyl ether	6.018	45	1028788	154.433	ug/l	96
23) Vinyl Acetate	5.957	43	3191401	801.685	ug/l	99
24) 1,1-Dichloroethane	5.915	63	572832	152.564	ug/l	98
25) 2-Butanone	6.890	43	462541	780.449	ug/l	97
26) 2,2-Dichloropropane	6.884	77	515178	151.214	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	354979	155.519	ug/l	99
28) Bromochloromethane	7.244	49	251245	151.227	ug/l	99
29) Tetrahydrofuran	7.256	42	309130	797.978	ug/l	99
30) Chloroform	7.421	83	574920	151.112	ug/l	100
31) Cyclohexane	7.695	56	525636	145.637	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	529792	152.986	ug/l	99
36) 1,1-Dichloropropene	7.835	75	429157	153.985	ug/l	100
37) Ethyl Acetate	6.982	43	216920	156.470	ug/l	100
38) Carbon Tetrachloride	7.817	117	481774	153.764	ug/l	99
39) Methylcyclohexane	9.103	83	563132	159.752	ug/l	97
40) Benzene	8.079	78	1249573	151.673	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	123663	159.542	ug/l		95
42) 1,2-Dichloroethane	8.152	62	355374	152.036	ug/l		99
43) Isopropyl Acetate	8.195	43	433742	161.641	ug/l		98
44) Trichloroethene	8.865	130	318590	154.457	ug/l		99
45) 1,2-Dichloropropane	9.140	63	302967	152.809	ug/l		99
46) Dibromomethane	9.231	93	168654	155.620	ug/l		99
47) Bromodichloromethane	9.420	83	448398	155.172	ug/l		99
48) Methyl methacrylate	9.219	41	213222	169.923	ug/l		100
49) 1,4-Dioxane	9.225	88	38142	3165.209	ug/l		93
51) 4-Methyl-2-Pentanone	9.993	43	1121500	816.471	ug/l		100
52) Toluene	10.170	92	794485	155.232	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	432560	163.384	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	493601	157.928	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	215312	152.506	ug/l		98
56) Ethyl methacrylate	10.438	69	337816	173.168	ug/l		99
57) 1,3-Dichloropropane	10.713	76	385803	155.726	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	761125	812.859	ug/l		100
59) 2-Hexanone	10.755	43	754575	836.458	ug/l		98
60) Dibromochloromethane	10.908	129	299188	155.598	ug/l		99
61) 1,2-Dibromoethane	11.011	107	208046	155.651	ug/l		99
64) Tetrachloroethene	10.646	164	288026	153.351	ug/l		98
65) Chlorobenzene	11.438	112	863676	154.837	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	301244	154.234	ug/l		100
67) Ethyl Benzene	11.517	91	1576743	159.586	ug/l		100
68) m/p-Xylenes	11.627	106	1167839	314.246	ug/l		100
69) o-Xylene	11.950	106	550972	158.258	ug/l		99
70) Styrene	11.969	104	936967	161.754	ug/l		100
71) Bromoform	12.133	173	175918	157.441	ug/l	#	99
73) Isopropylbenzene	12.255	105	1461905	159.969	ug/l		99
74) N-amyl acetate	12.066	43	403238	173.596	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	251216	155.759	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	179622m	146.733	ug/l		
77) Bromobenzene	12.529	156	333772	157.025	ug/l		99
78) n-propylbenzene	12.597	91	1765636	159.217	ug/l		100
79) 2-Chlorotoluene	12.682	91	995452	156.411	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1190462	158.830	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	92910	169.722	ug/l		98
82) 4-Chlorotoluene	12.779	91	1021811	154.883	ug/l		100
83) tert-Butylbenzene	12.999	119	1094125	161.602	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1192062	159.915	ug/l		99
85) sec-Butylbenzene	13.176	105	1558540	157.594	ug/l		100
86) p-Isopropyltoluene	13.291	119	1327819	160.795	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	648204	154.161	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	635981	153.109	ug/l		100
89) n-Butylbenzene	13.615	91	1269399	163.350	ug/l		99
90) Hexachloroethane	13.877	117	275368	159.641	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	570360	154.826	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	42060	164.851	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	384163	170.860	ug/l		99
94) Hexachlorobutadiene	15.023	225	224602	158.670	ug/l		99
95) Naphthalene	15.145	128	694625	186.517	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	326876	172.067	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
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 :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

ICAL Form

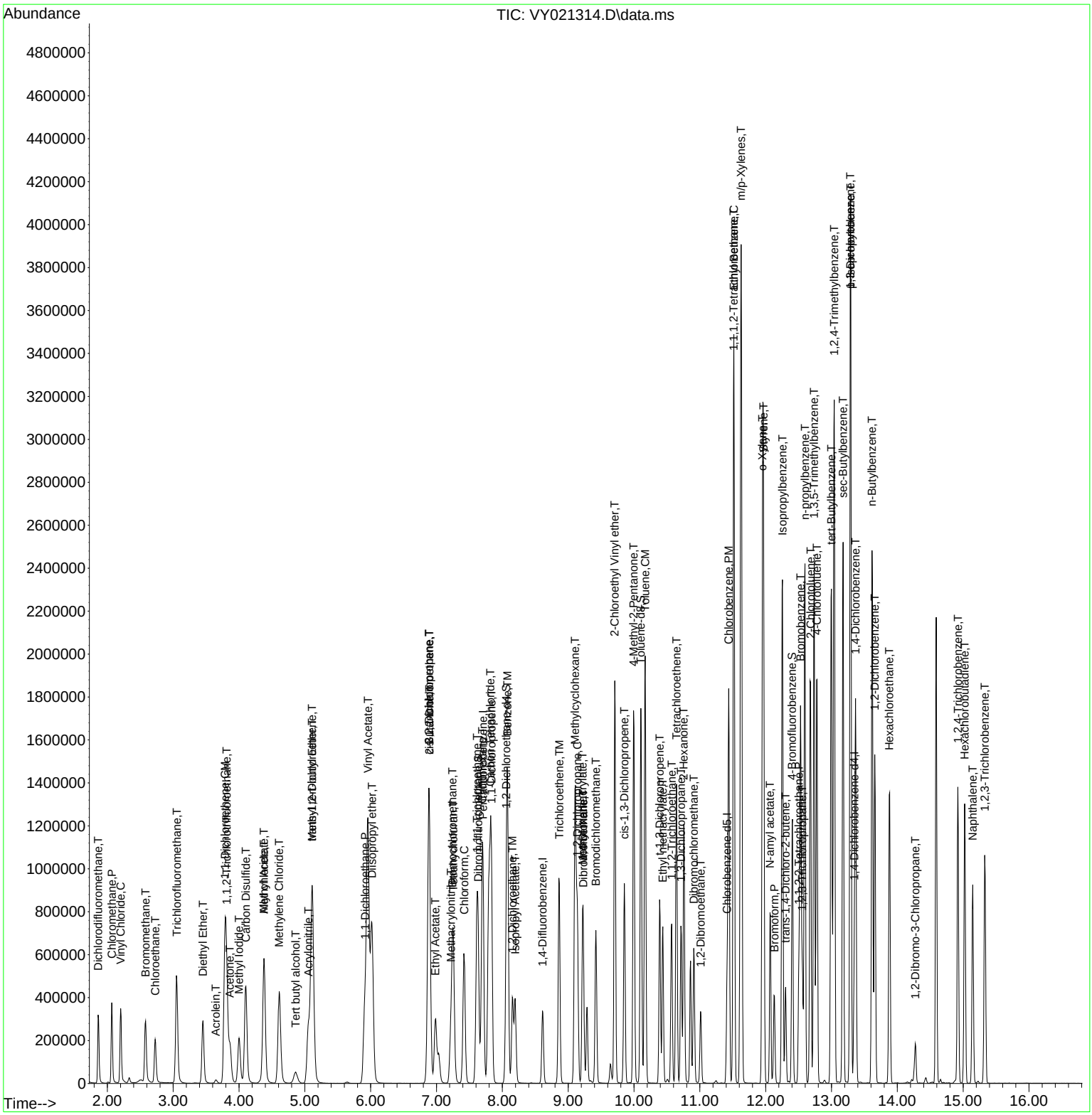
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

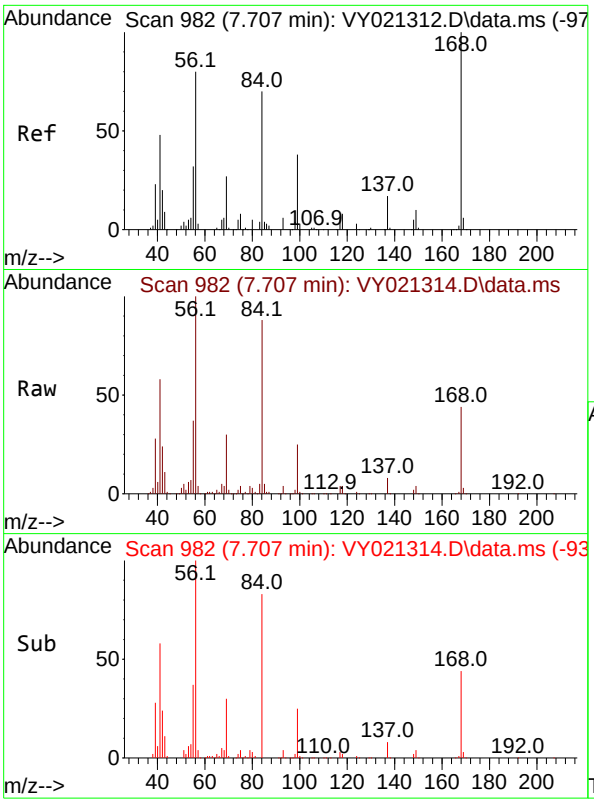
Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

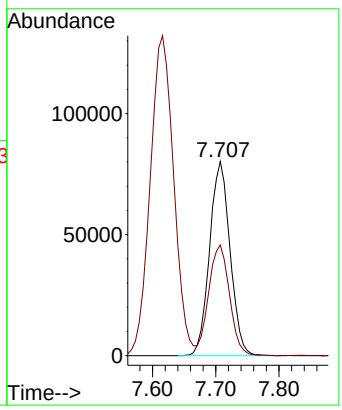




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:168 Resp: 18045

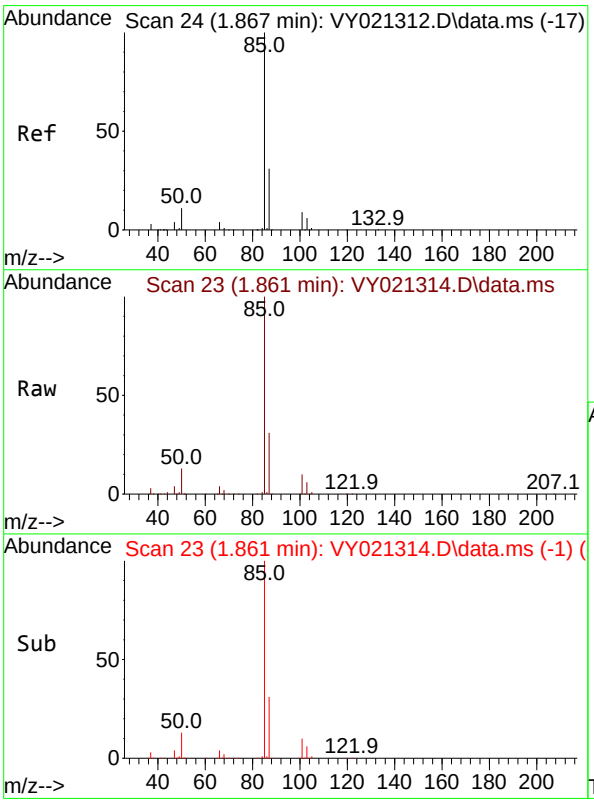
Ion	Ratio	Lower	Upper
168	100		
99	57.0	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

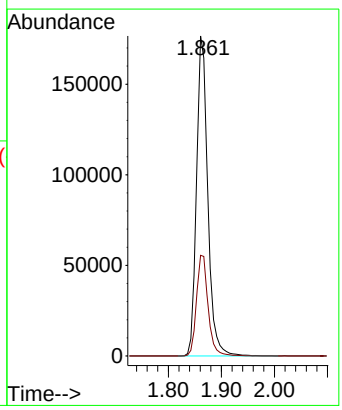
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

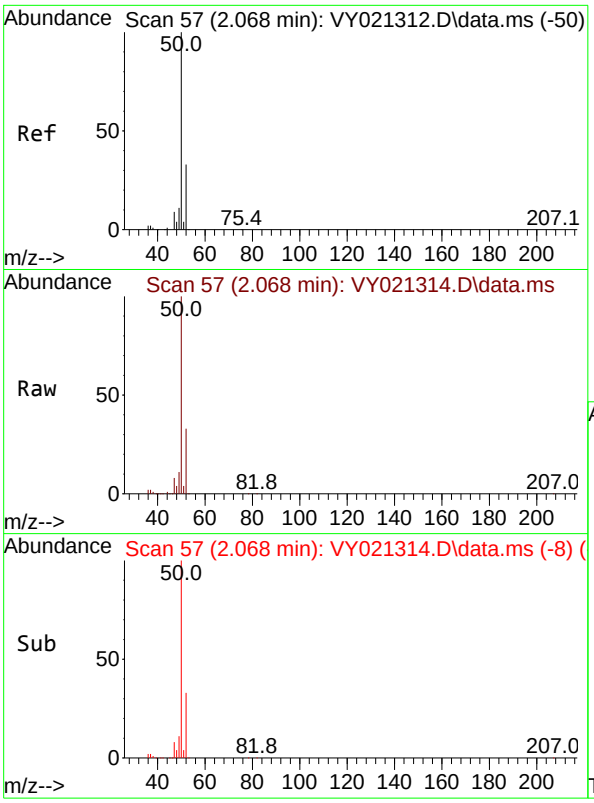


#2
Dichlorodifluoromethane
Concen: 151.753 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 85 Resp: 259643

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.4	46.4

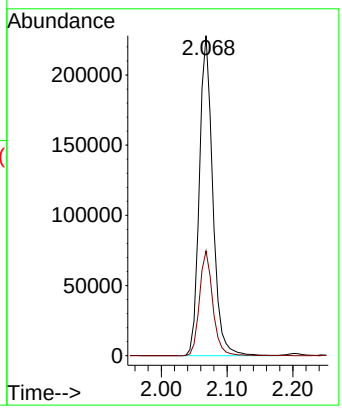




#3
Chloromethane
Concen: 146.365 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 50 Resp: 32341

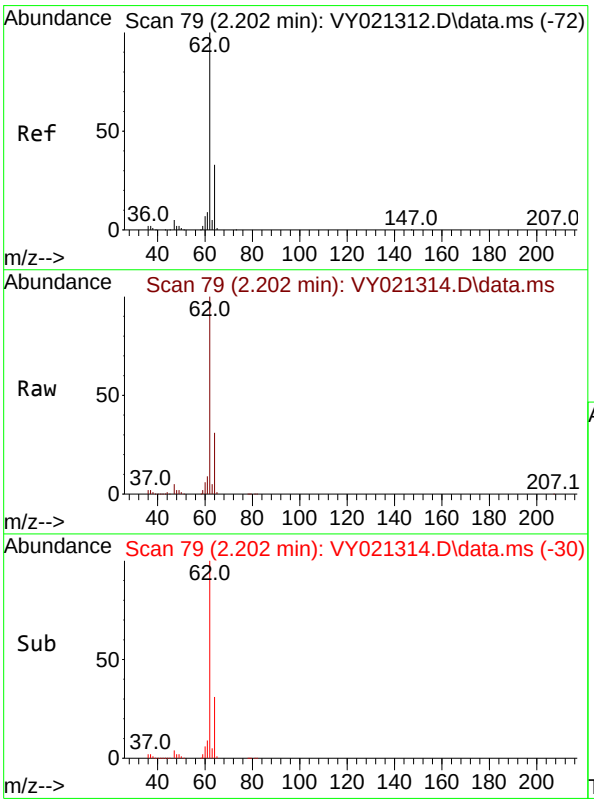
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

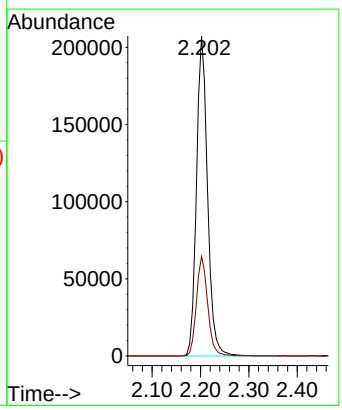
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

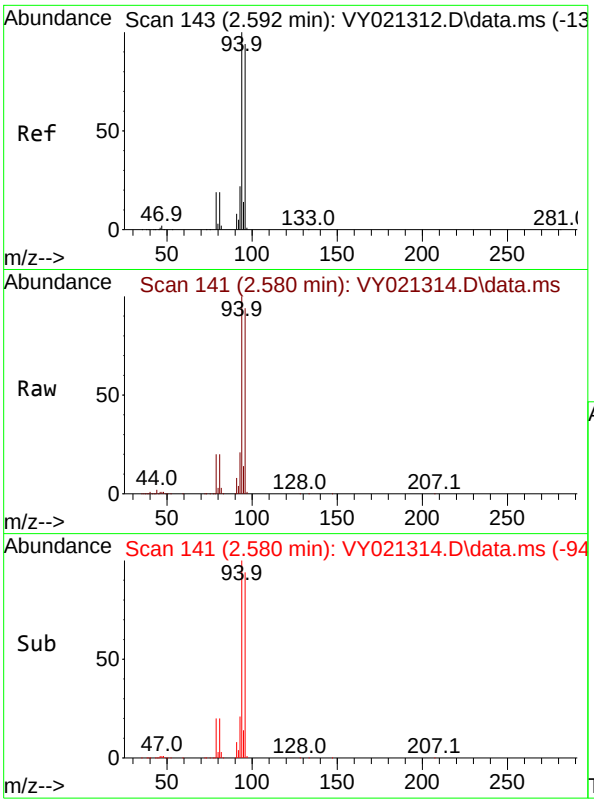


#4
Vinyl Chloride
Concen: 151.368 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 328290

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.3	39.5

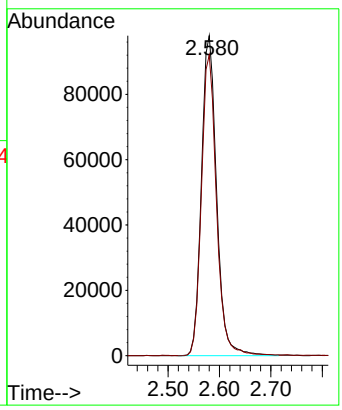




#5
Bromomethane
Concen: 139.293 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 94 Resp: 20075

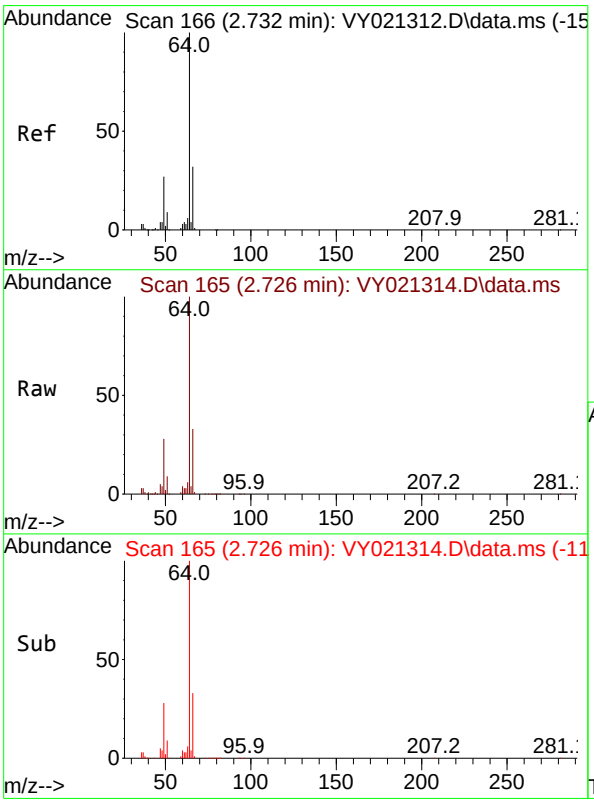
Ion	Ratio	Lower	Upper
94	100		
96	93.9	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

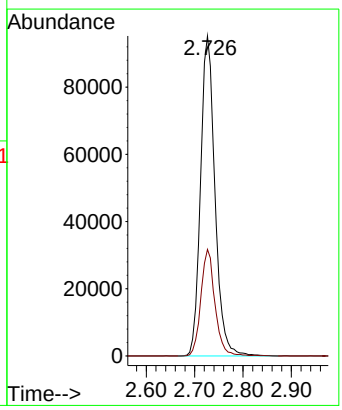
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

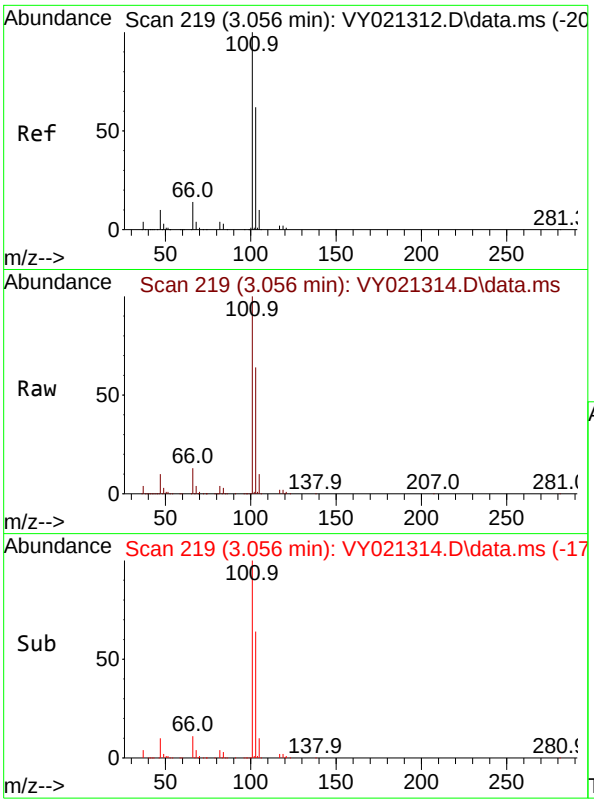


#6
Chloroethane
Concen: 146.820 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 64 Resp: 197463

Ion	Ratio	Lower	Upper
64	100		
66	33.3	25.4	38.0

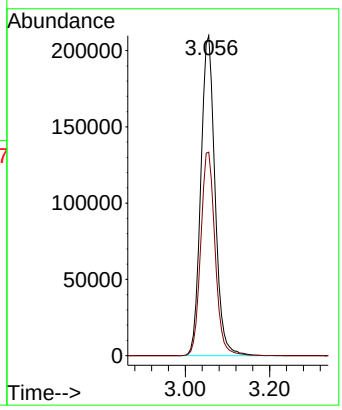




#7
Trichlorofluoromethane
Concen: 150.283 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:101 Resp: 49223

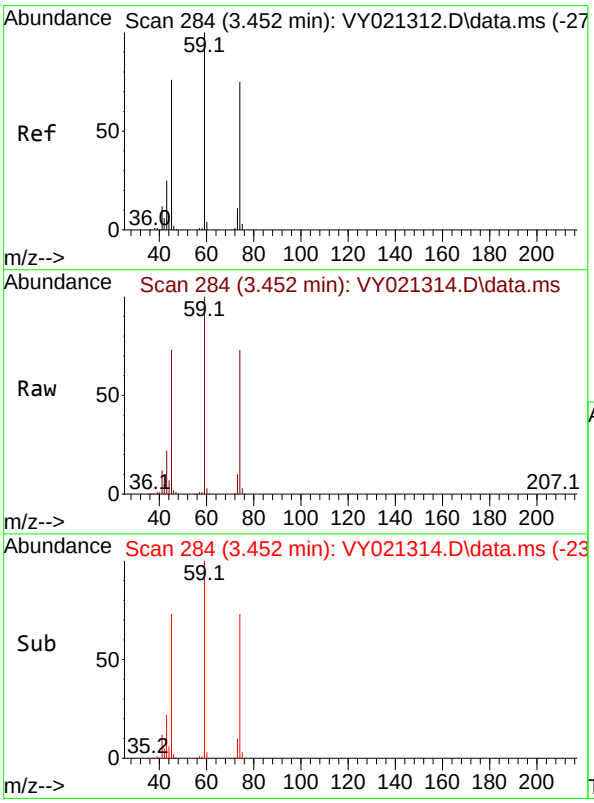
Ion	Ratio	Lower	Upper
101	100		
103	63.6	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

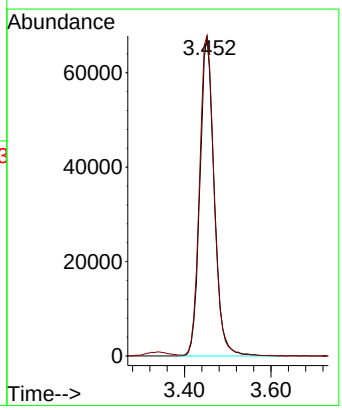
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

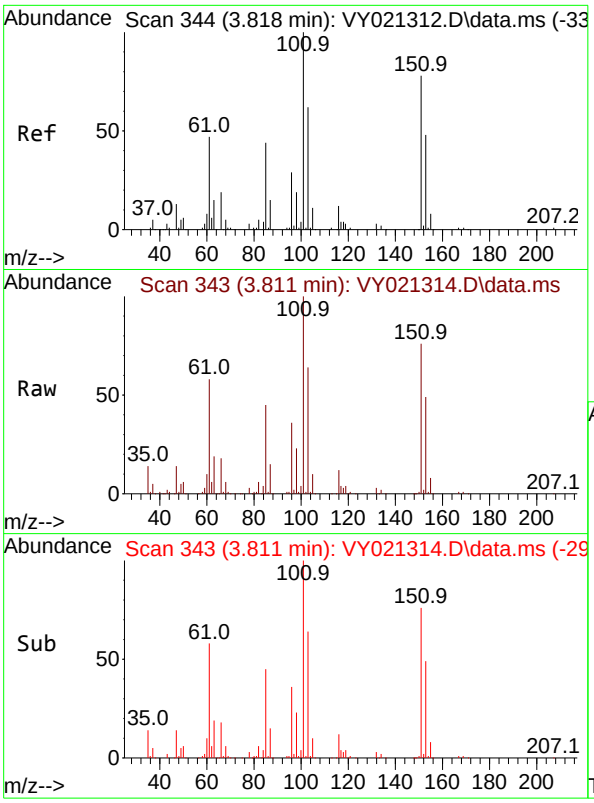


#8
Diethyl Ether
Concen: 157.312 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 74 Resp: 154649

Ion	Ratio	Lower	Upper
74	100		
45	103.0	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 154.570 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

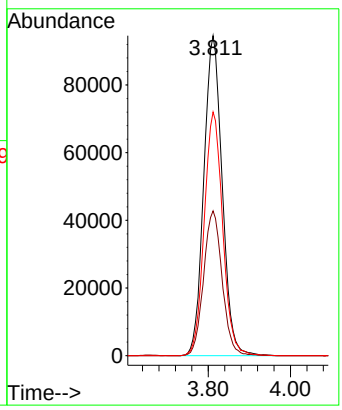
Tgt Ion:101 Resp: 29311

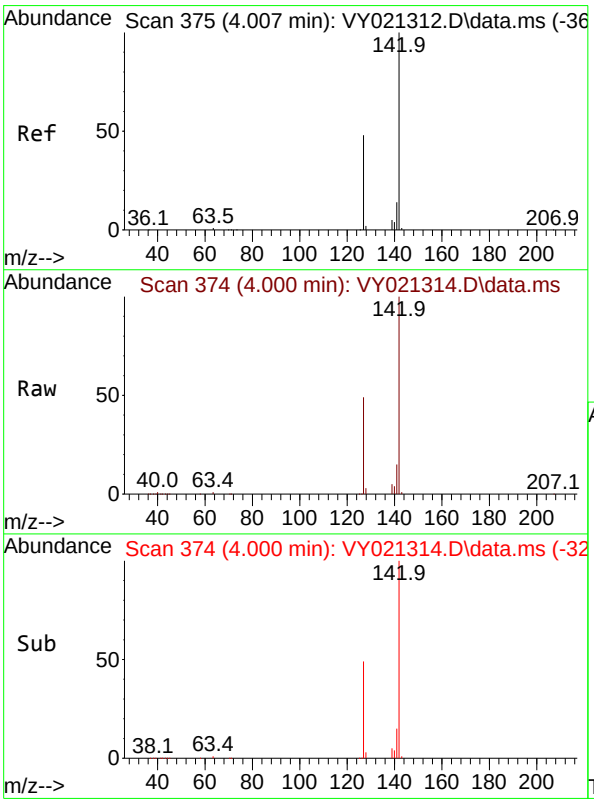
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.7	55.1
151	76.6	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

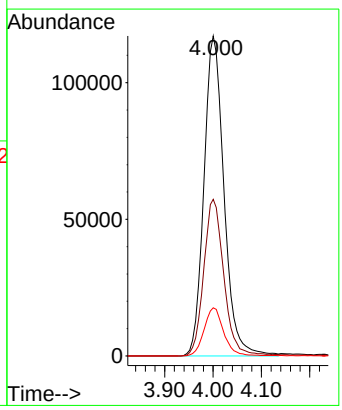


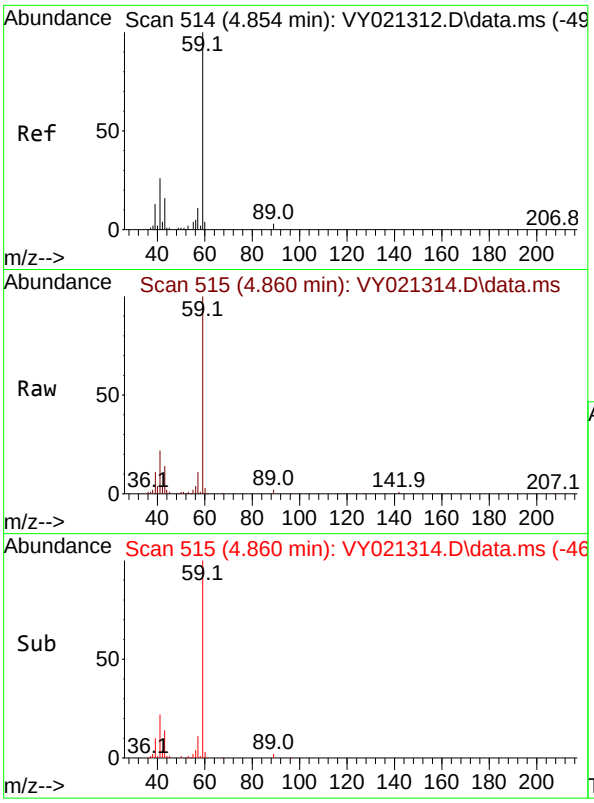


#10
Methyl Iodide
Concen: 169.542 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:142 Resp: 338246

Ion	Ratio	Lower	Upper
142	100		
127	49.4	39.2	58.8
141	14.8	11.4	17.2

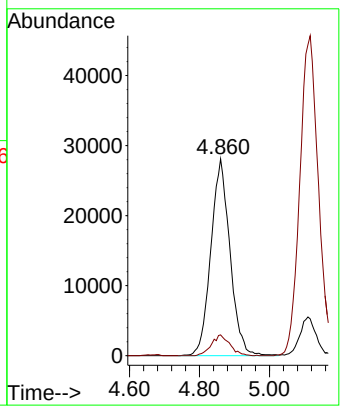




#11
Tert butyl alcohol
Concen: 677.165 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 59 Resp: 10662

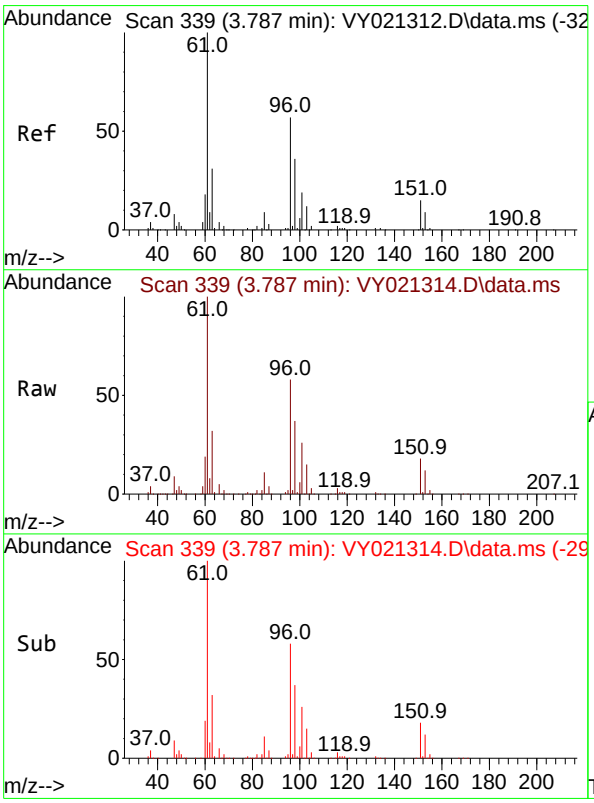
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

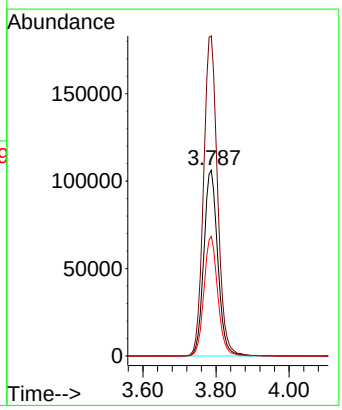
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

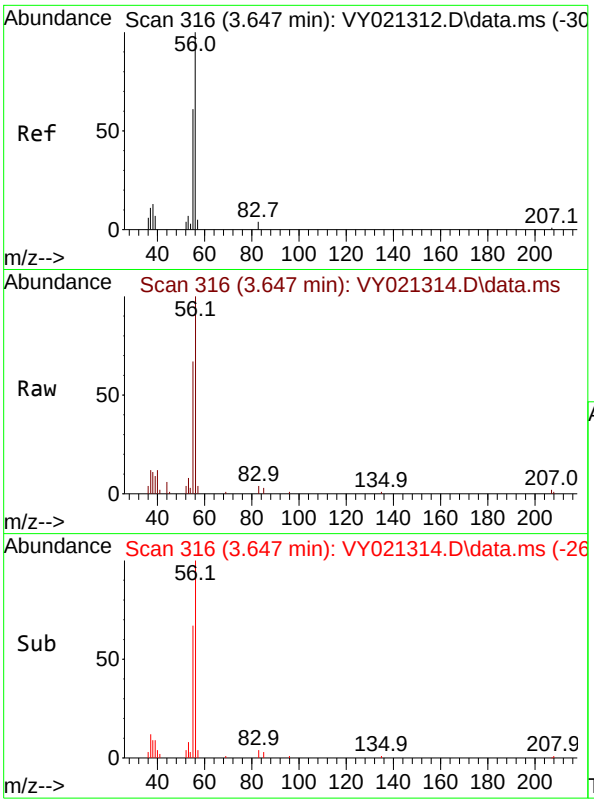


#12
1,1-Dichloroethene
Concen: 154.445 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 280431

Ion	Ratio	Lower	Upper
96	100		
61	172.2	139.7	209.5
98	64.3	49.7	74.5

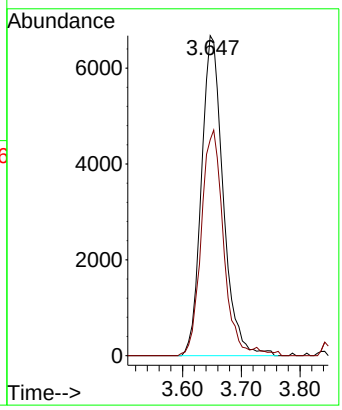




#13
Acrolein
Concen: 142.652 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 56 Resp: 1721

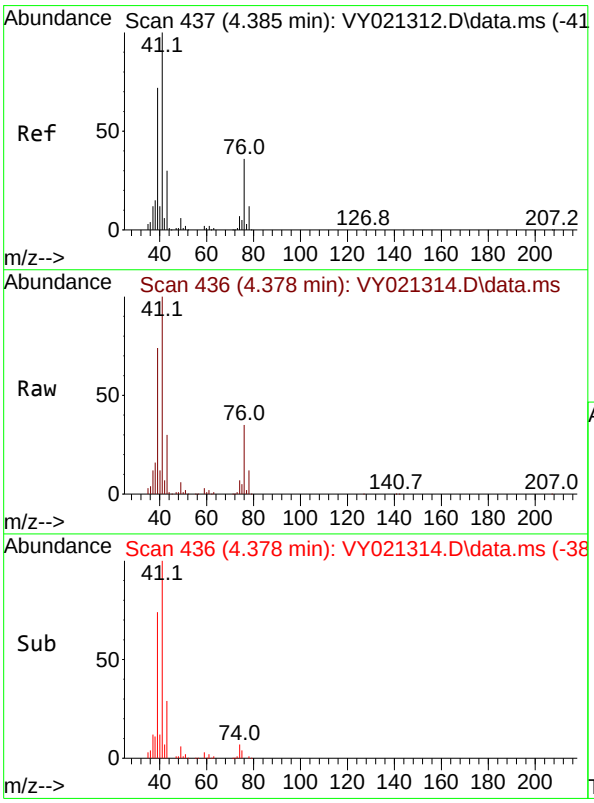
Ion	Ratio	Lower	Upper
56	100		
55	70.8	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

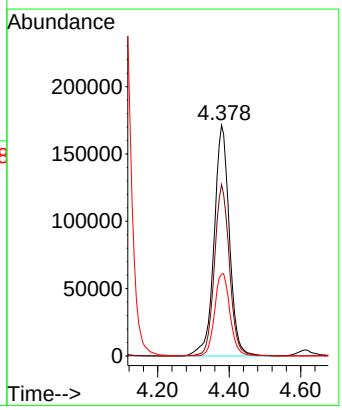
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

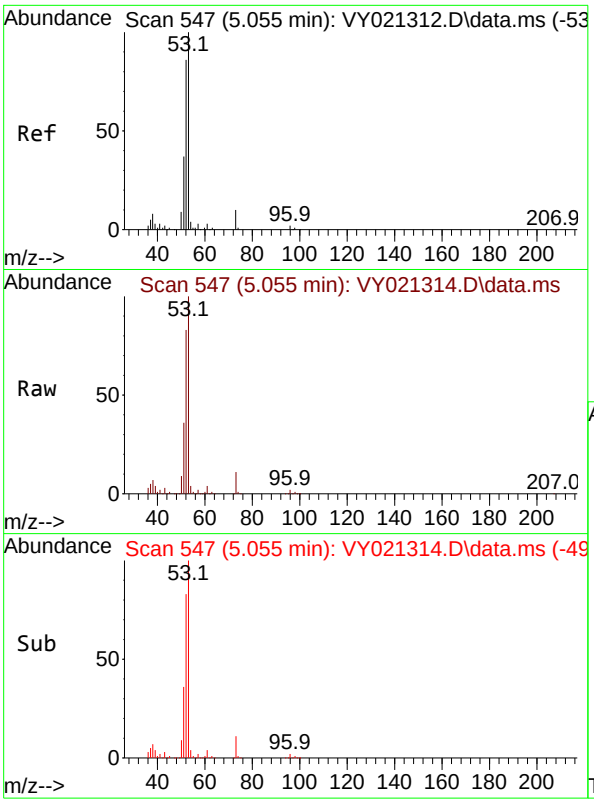


#14
Allyl chloride
Concen: 157.755 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 507854

Ion	Ratio	Lower	Upper
41	100		
39	73.1	60.0	90.0
76	35.8	29.0	43.6

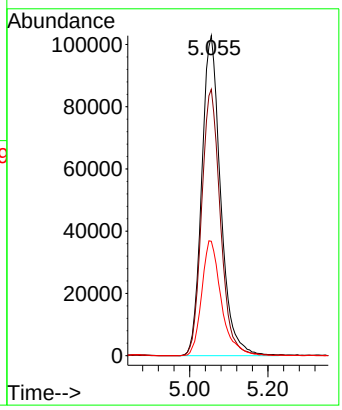




#15
Acrylonitrile
Concen: 793.713 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 53 Resp: 34498

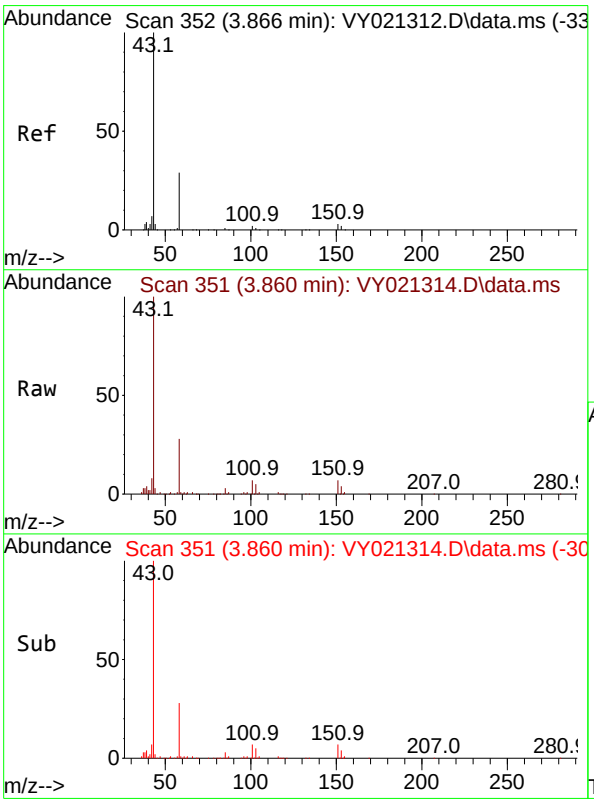
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.2	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

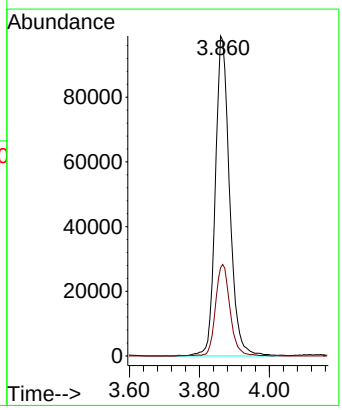
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

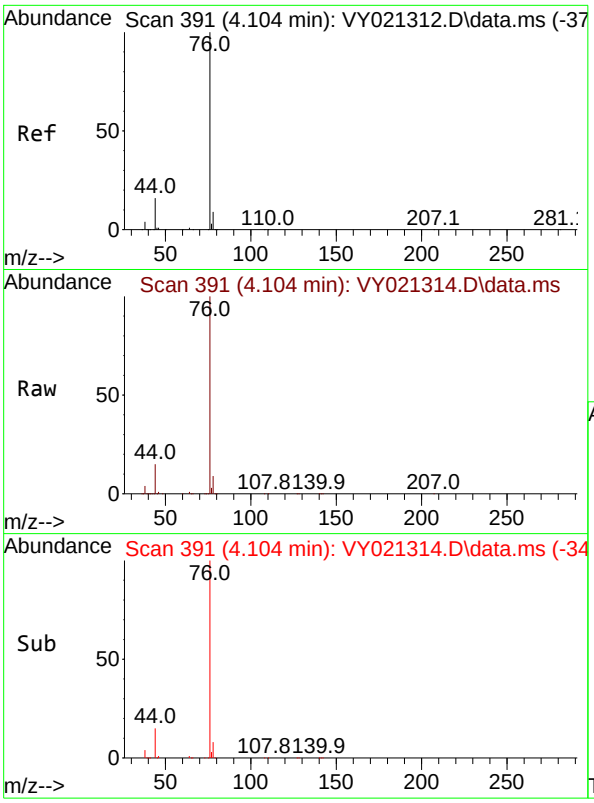


#16
Acetone
Concen: 713.470 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 280172

Ion	Ratio	Lower	Upper
43	100		
58	27.5	23.5	35.3

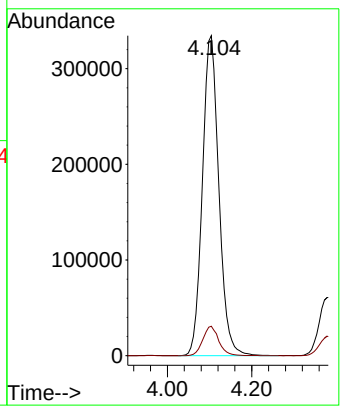




#17
Carbon Disulfide
Concen: 150.676 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 76 Resp: 90847

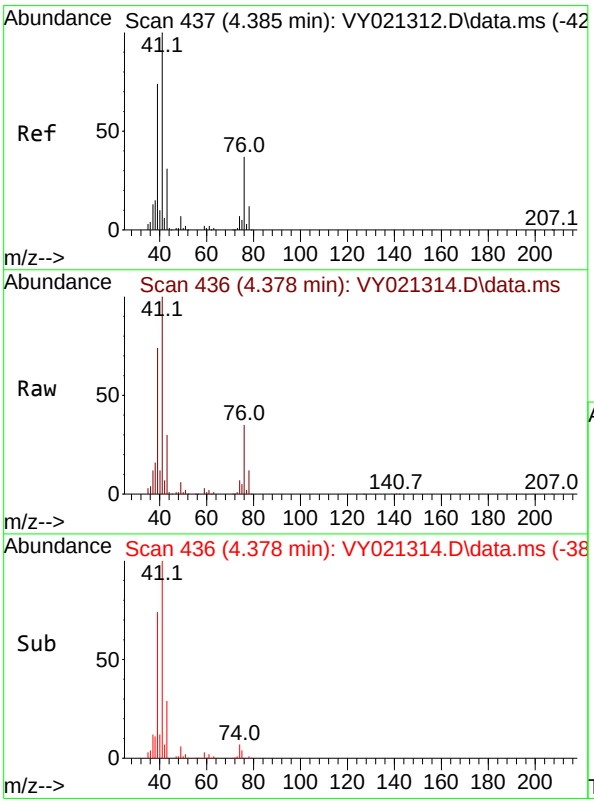
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

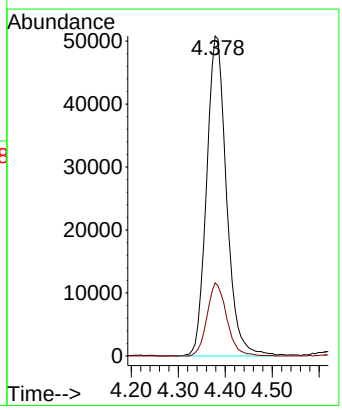
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

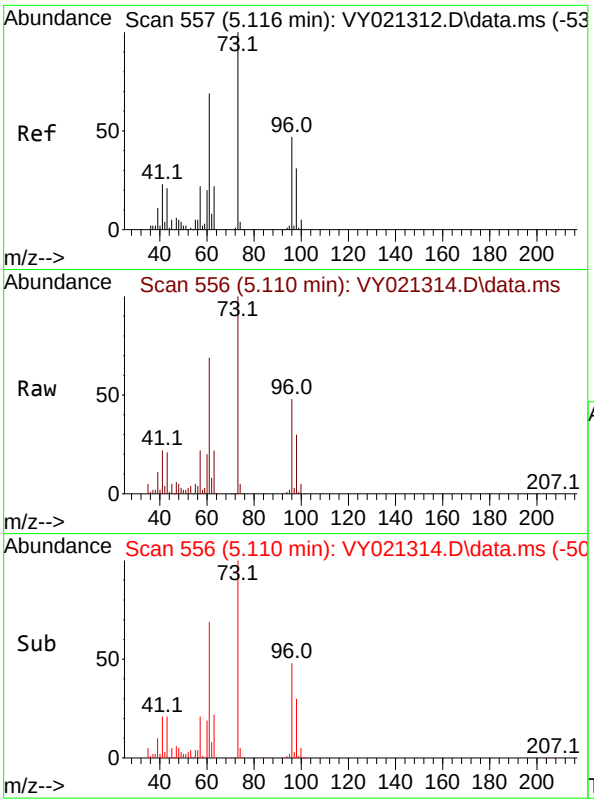


#18
Methyl Acetate
Concen: 155.496 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 149226

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.7	26.5

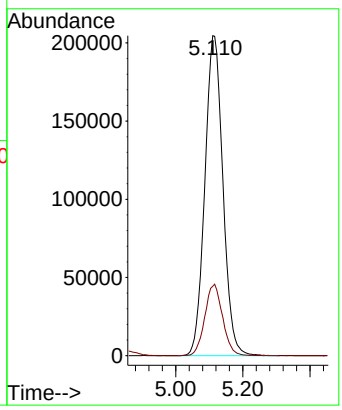




#19
Methyl tert-butyl Ether
Concen: 159.172 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 73 Resp: 76359

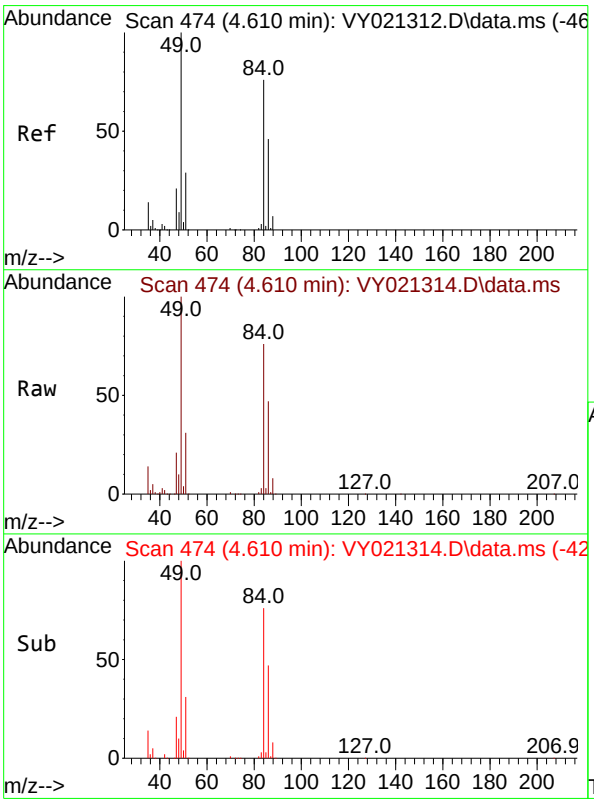
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

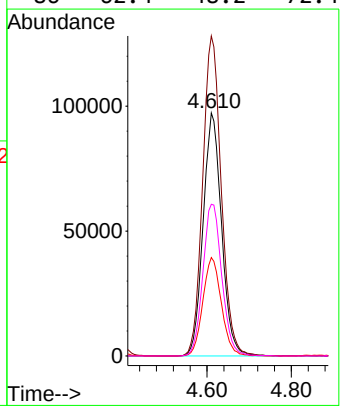
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

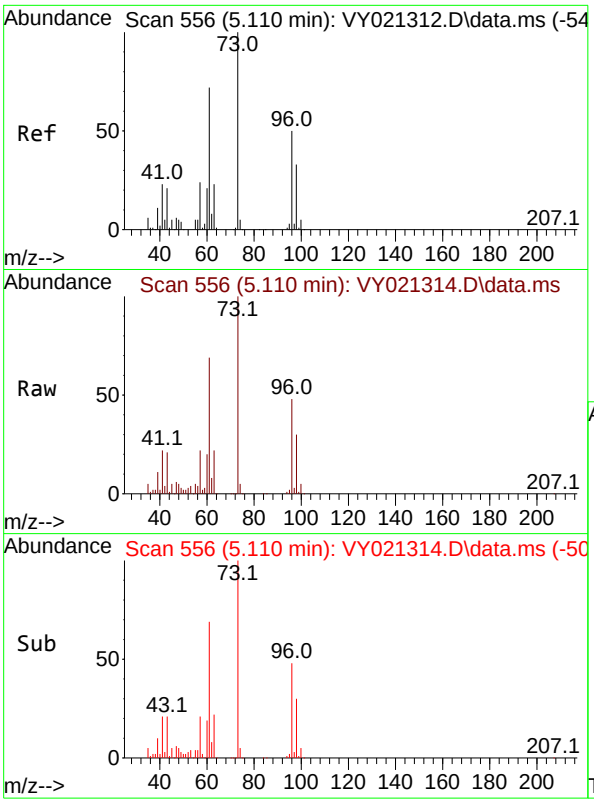


#20
Methylene Chloride
Concen: 139.409 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 84 Resp: 296032

Ion	Ratio	Lower	Upper
84	100		
49	131.6	105.1	157.7
51	40.5	31.0	46.4
86	62.4	48.2	72.4

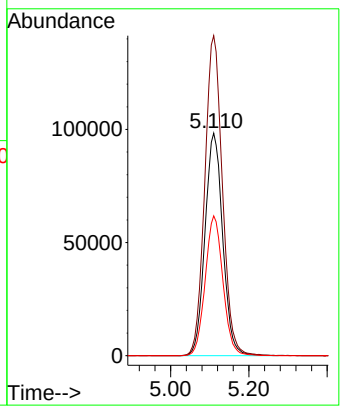




#21
trans-1,2-Dichloroethene
Concen: 154.401 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 30862

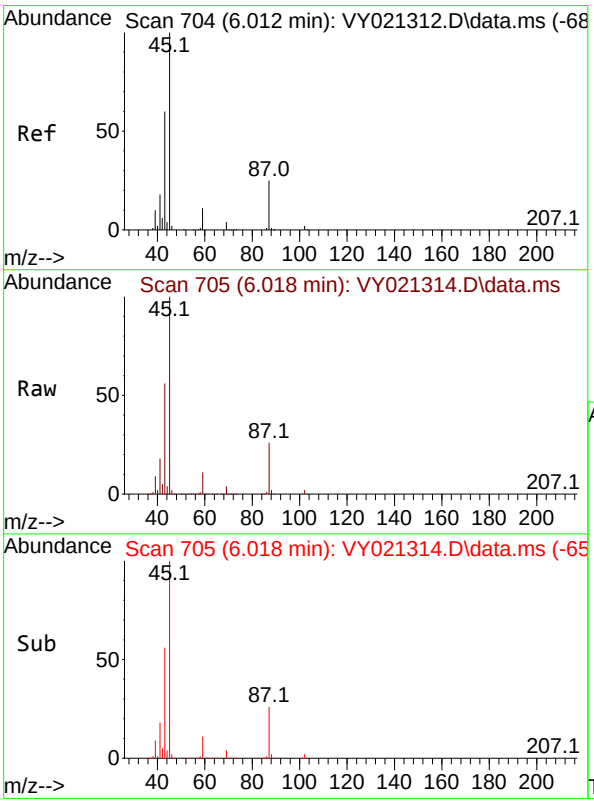
Ion	Ratio	Lower	Upper
96	100		
61	143.8	116.3	174.5
98	62.8	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

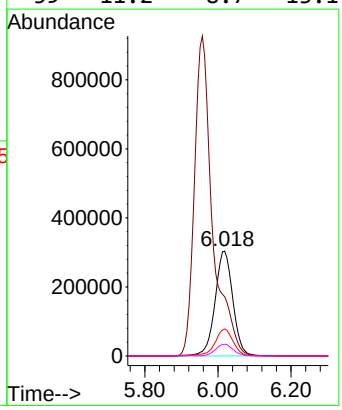
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

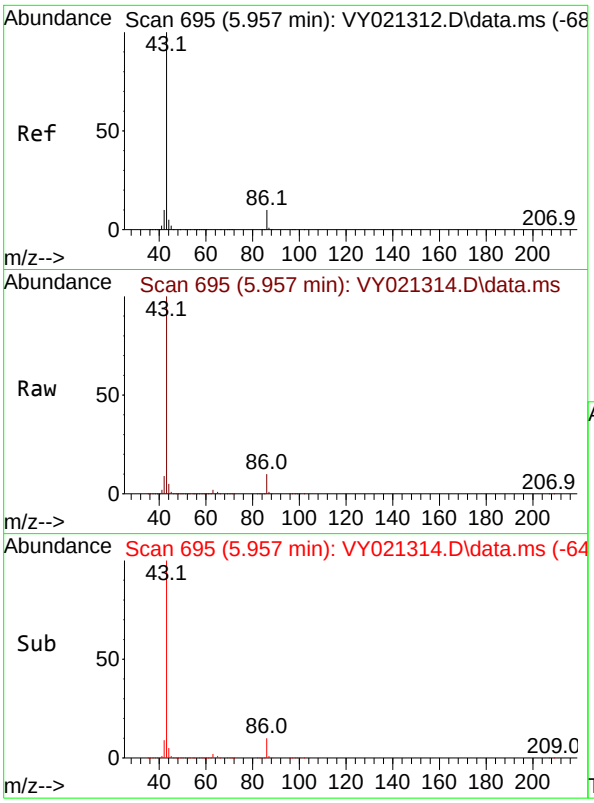


#22
Diisopropyl ether
Concen: 154.433 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 45 Resp: 1028788

Ion	Ratio	Lower	Upper
45	100		
43	56.2	48.2	72.4
87	25.8	20.3	30.5
59	11.2	8.7	13.1





#23
Vinyl Acetate
Concen: 801.685 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

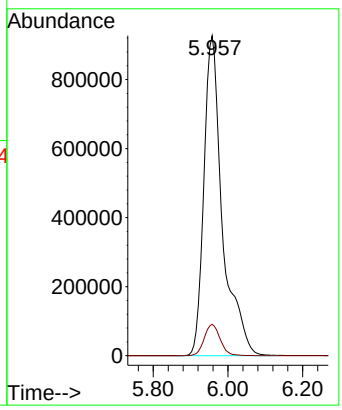
Tgt Ion: 43 Resp: 319140

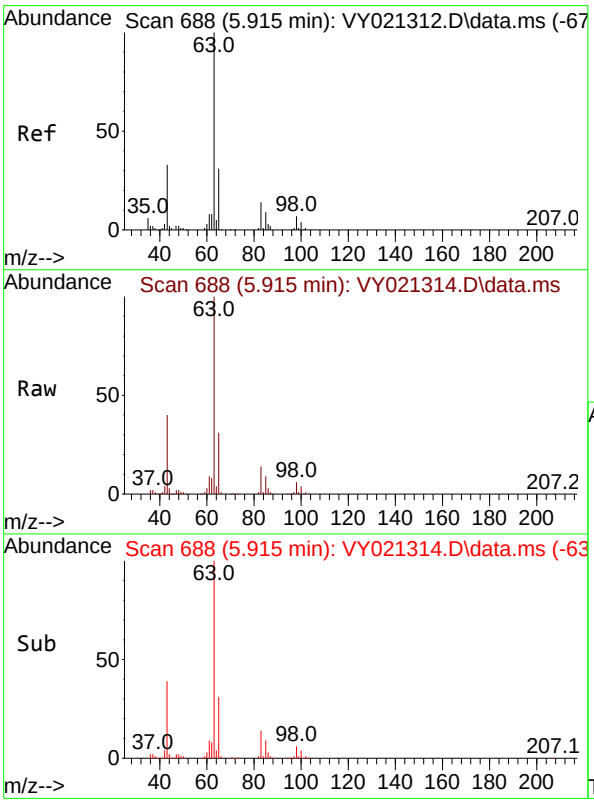
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

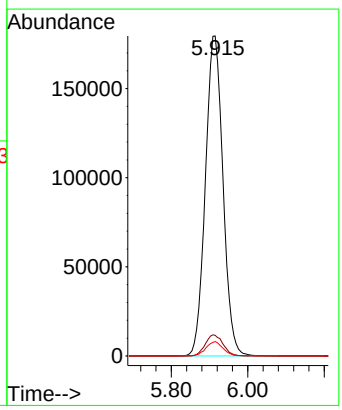


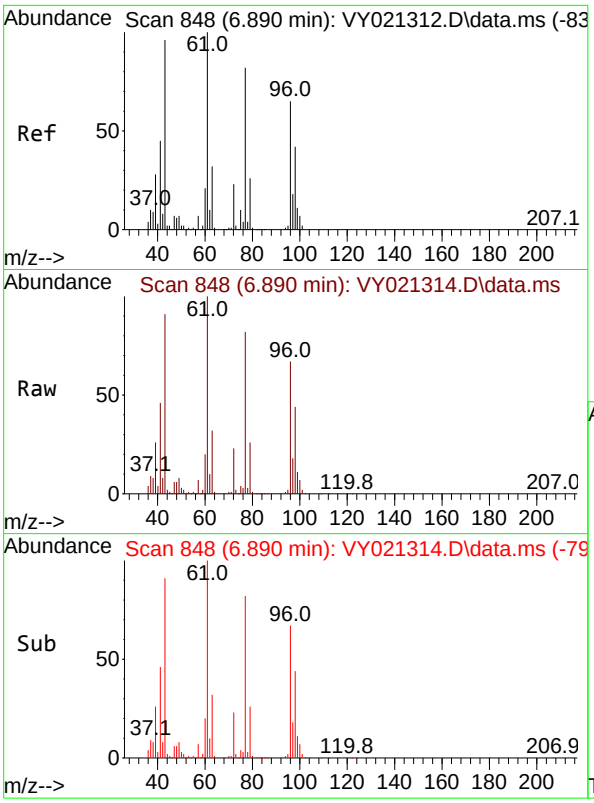


#24
1,1-Dichloroethane
Concen: 152.564 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 572832

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.7	11.1
100	4.5	2.1	6.5

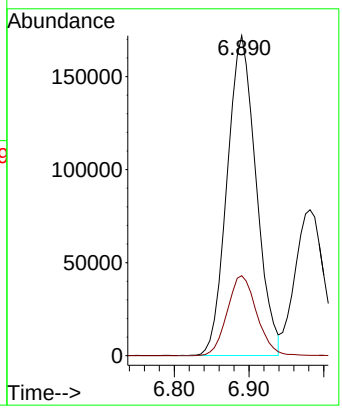




#25
2-Butanone
Concen: 780.449 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 46254

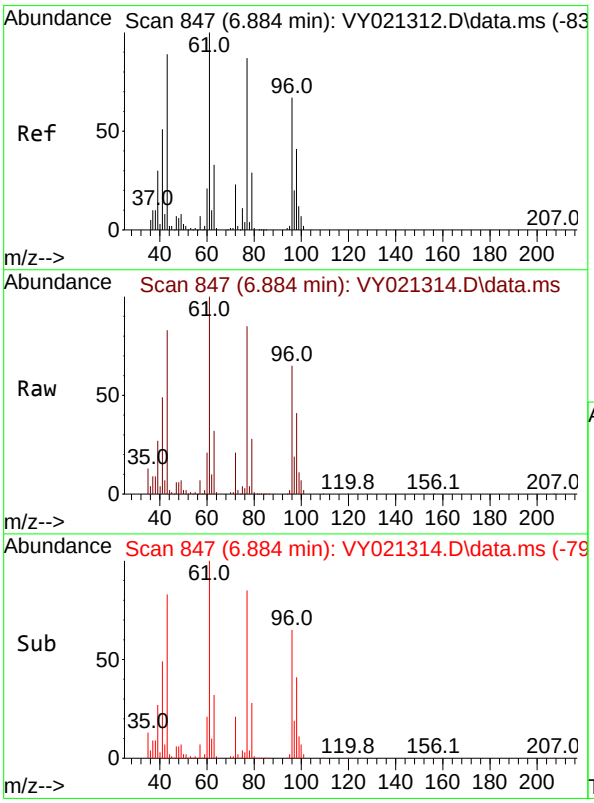
Ion	Ratio	Lower	Upper
43	100		
72	25.0	19.0	28.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

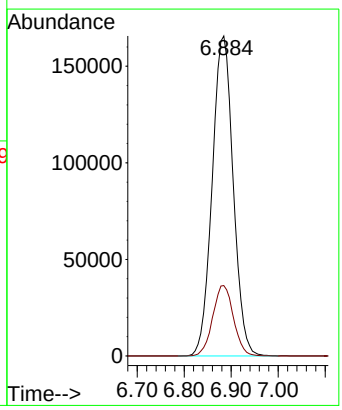
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

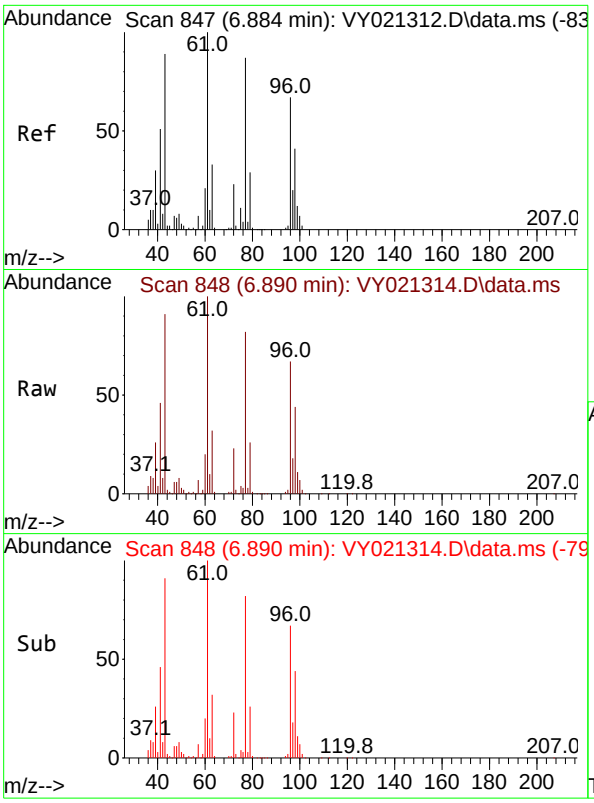


#26
2,2-Dichloropropane
Concen: 151.214 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 77 Resp: 515178

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

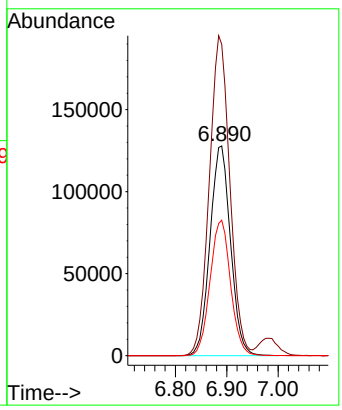




#27
cis-1,2-Dichloroethene
Concen: 155.519 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 354979

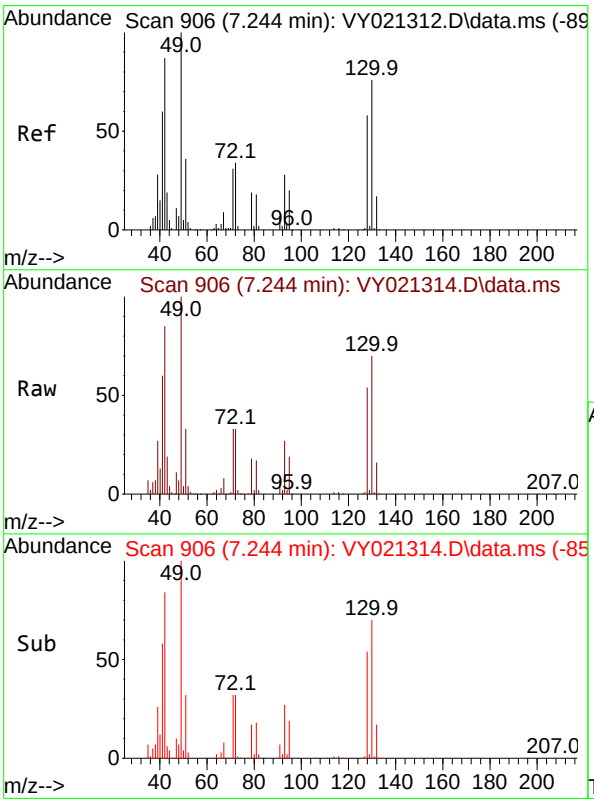
Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	308.0
98	64.4	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

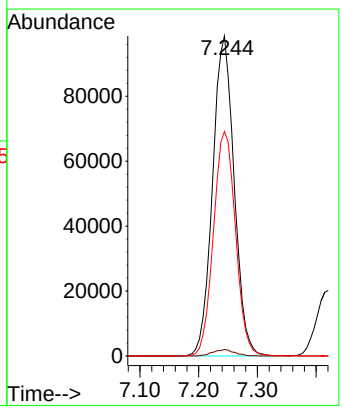
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

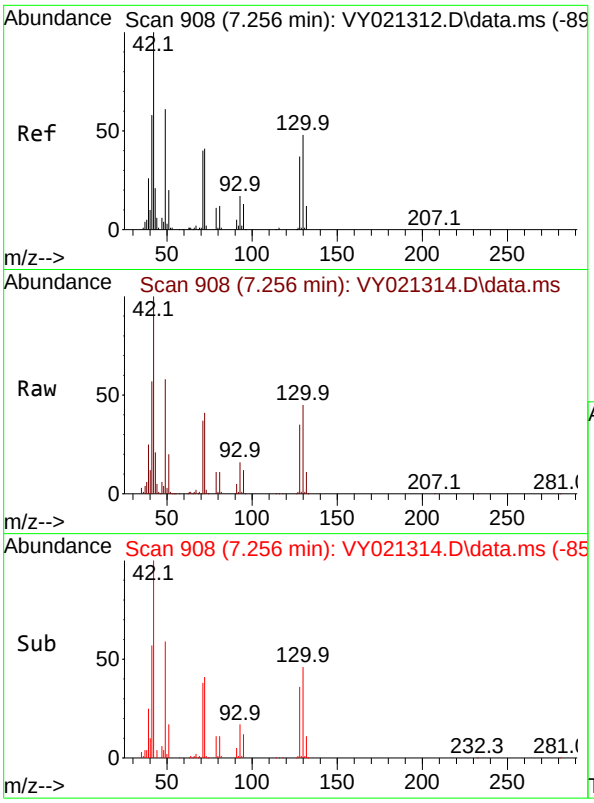


#28
Bromochloromethane
Concen: 151.227 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 49 Resp: 251245

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	71.7	57.8	86.6

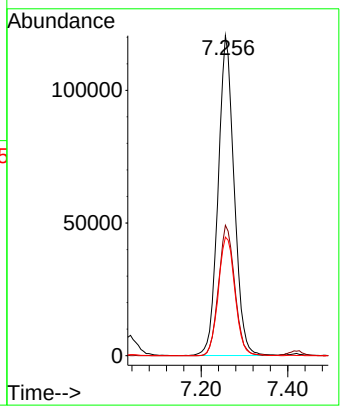




#29
Tetrahydrofuran
Concen: 797.978 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 42 Resp: 30913

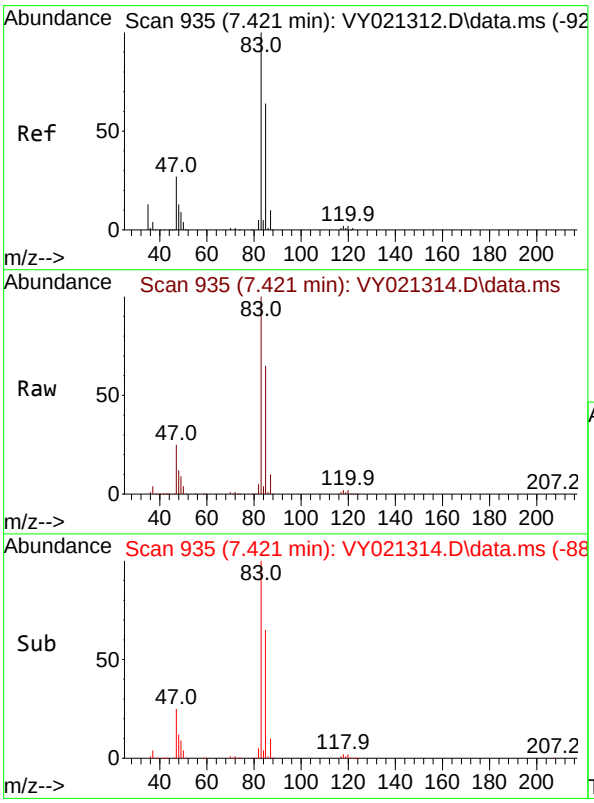
Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.1	49.7
71	38.6	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

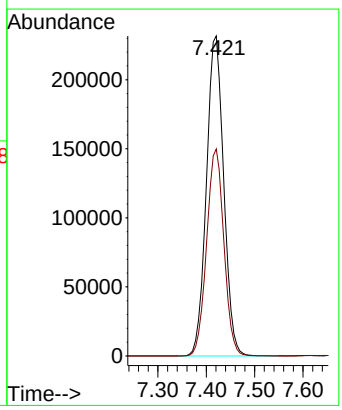
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

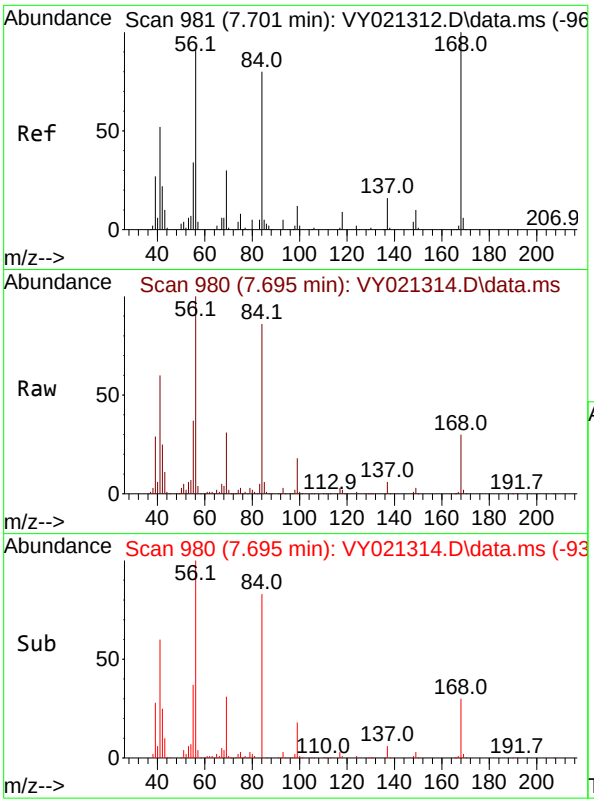


#30
Chloroform
Concen: 151.112 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 574920

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.6	77.4

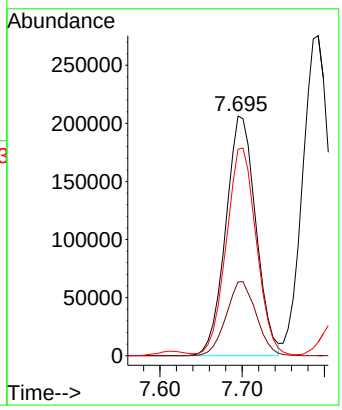




#31
Cyclohexane
Concen: 145.637 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 56 Resp: 52563

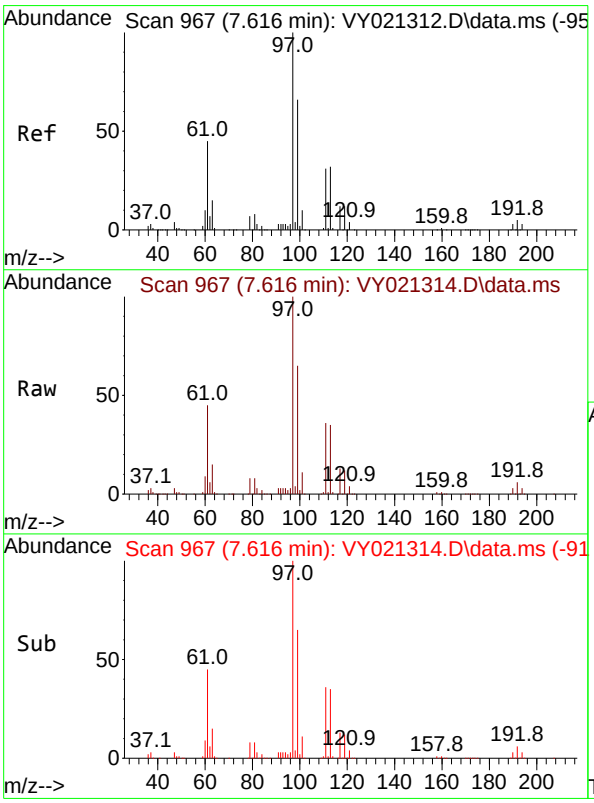
Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.2	39.4
84	84.4	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

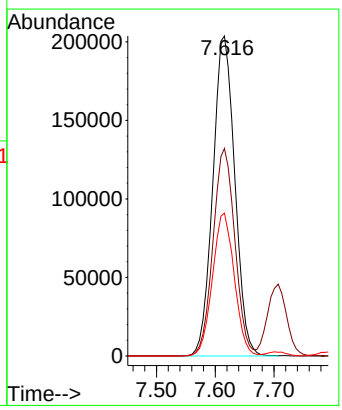
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

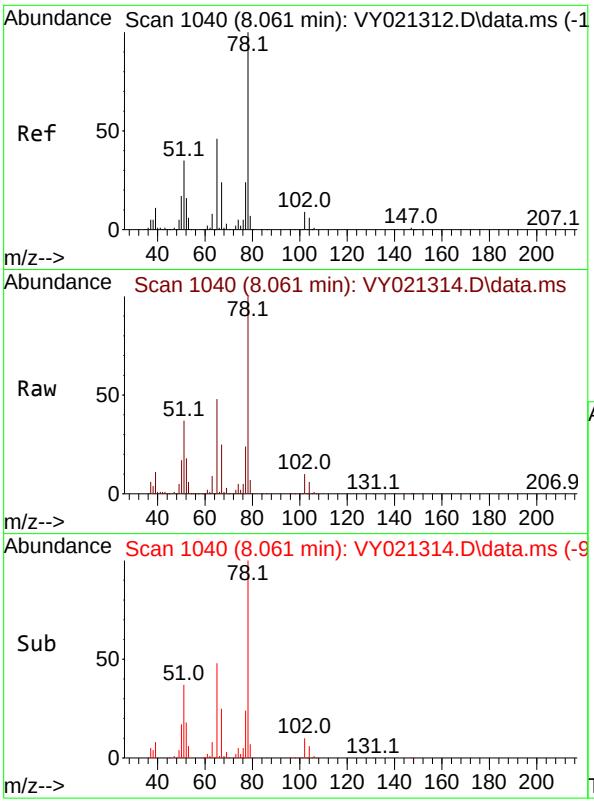


#32
1,1,1-Trichloroethane
Concen: 152.986 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 97 Resp: 529792

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.4	78.6
61	44.4	36.2	54.2

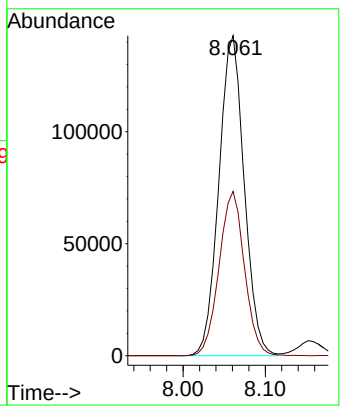




#33
1,2-Dichloroethane-d4
Concen: 149.582 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 65 Resp: 30621

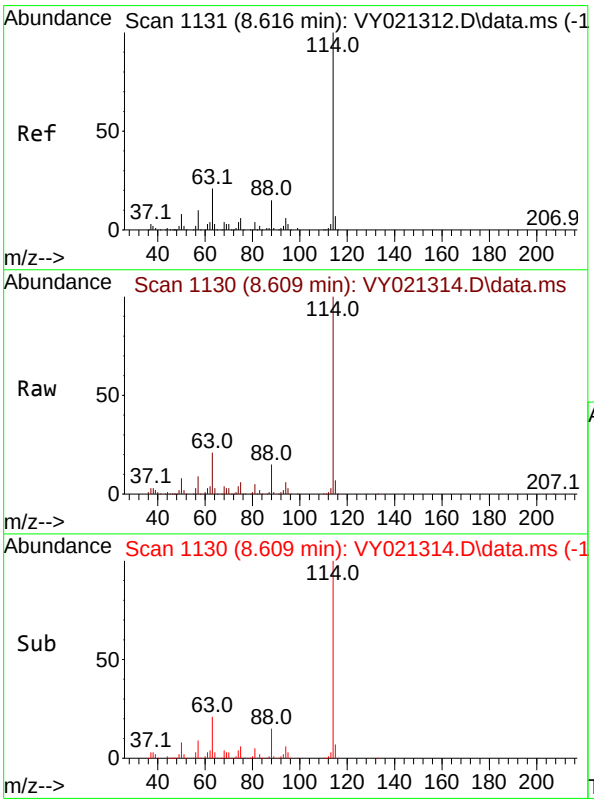
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

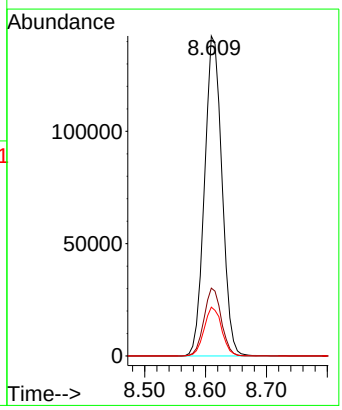
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

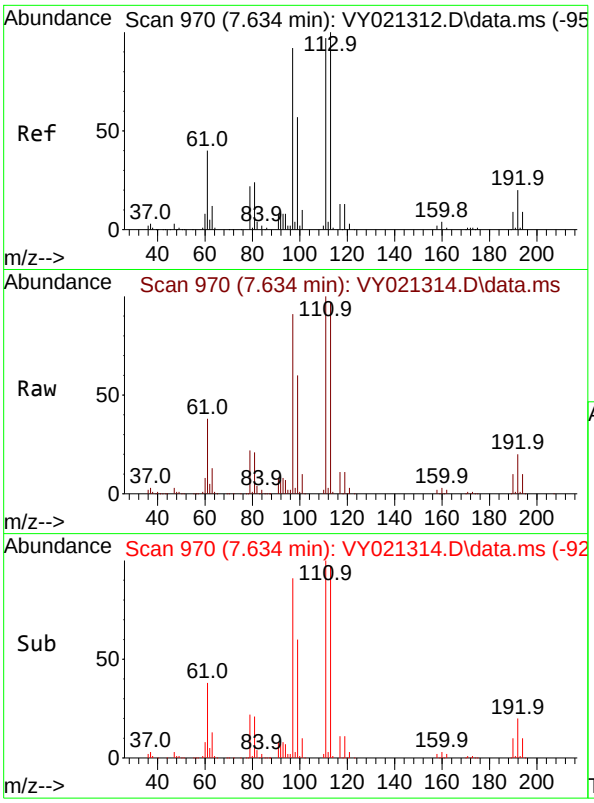


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:114 Resp: 283003

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.2
88	15.3	0.0	29.8

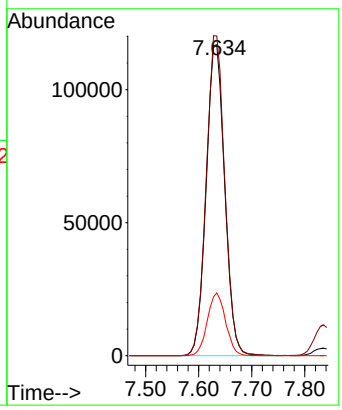




#35
Dibromofluoromethane
Concen: 152.818 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:113 Resp: 28353

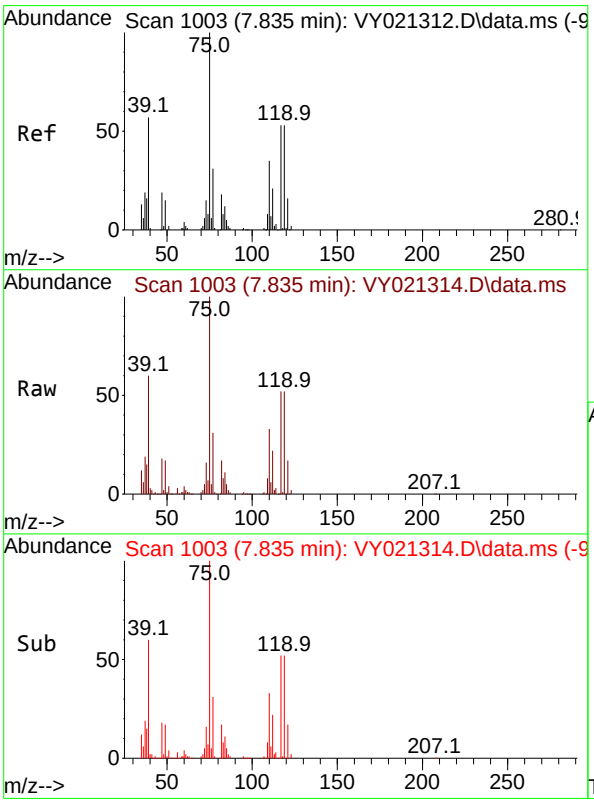
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.6
192	19.9	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

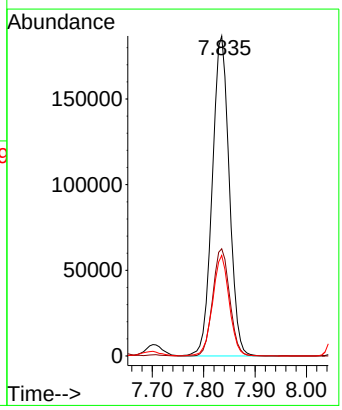
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

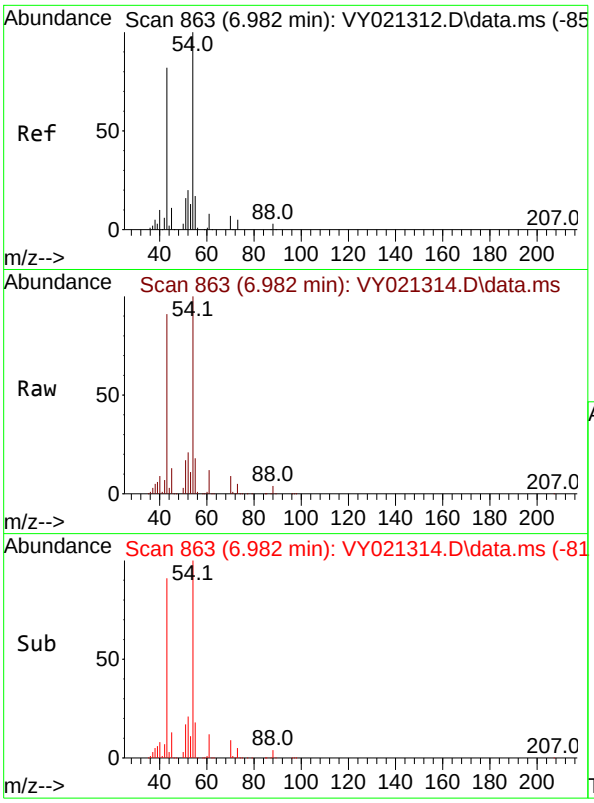


#36
1,1-Dichloropropene
Concen: 153.985 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 429157

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	30.8	24.6	36.8





#37
Ethyl Acetate
Concen: 156.470 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

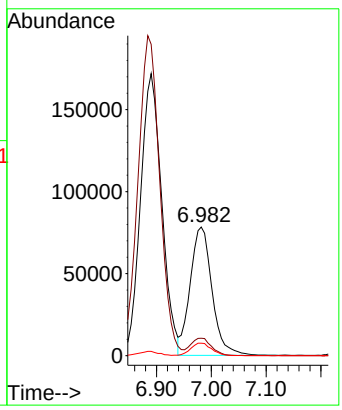
Tgt Ion: 43 Resp: 21692

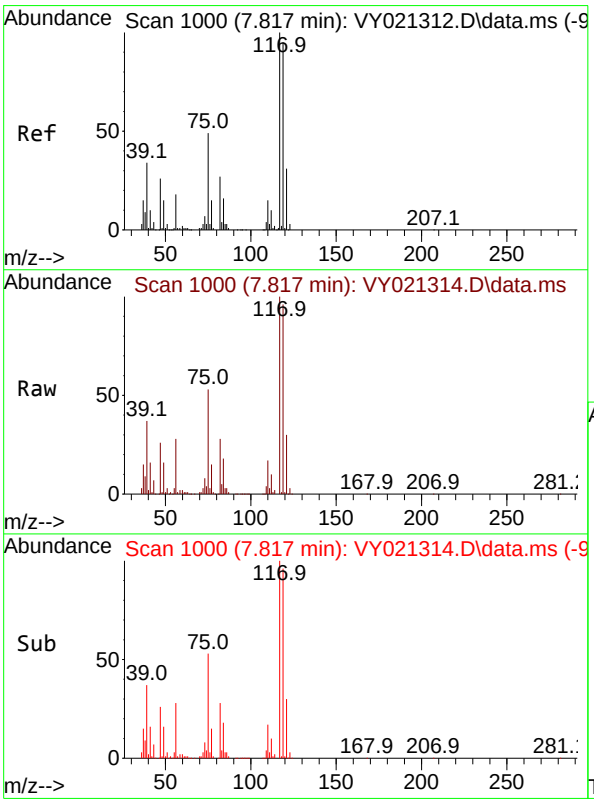
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	9.4	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

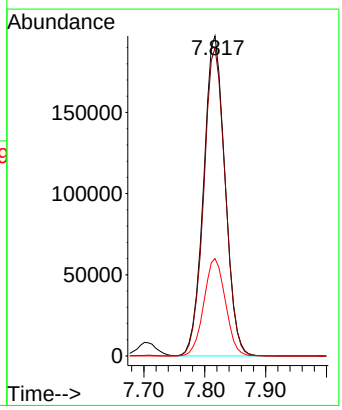


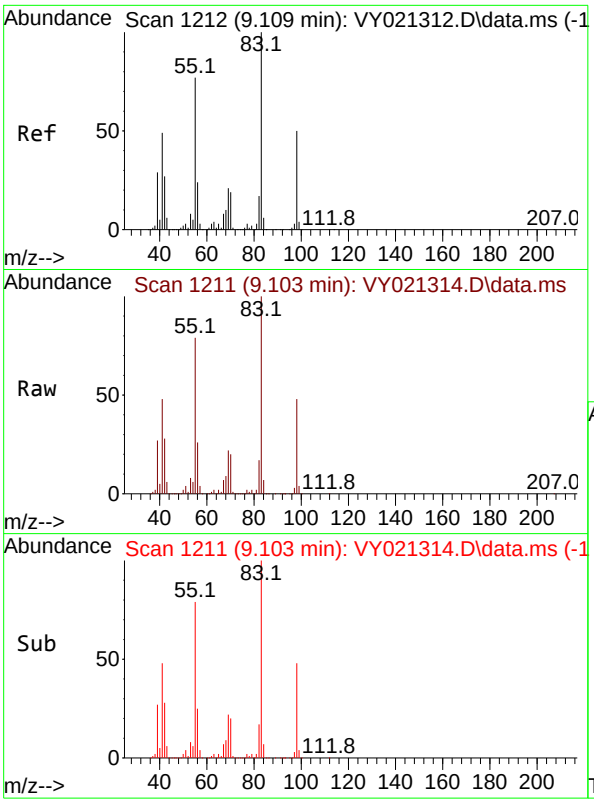


#38
Carbon Tetrachloride
Concen: 153.764 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 481774

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.0	114.0
121	30.5	24.9	37.3





#39
Methylcyclohexane
Concen: 159.752 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

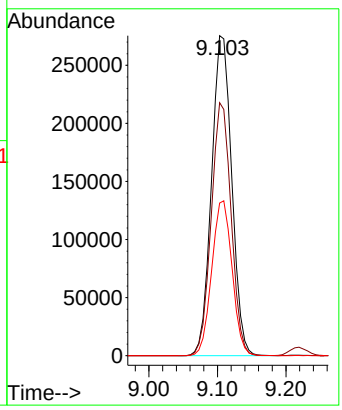
Tgt Ion: 83 Resp: 56313

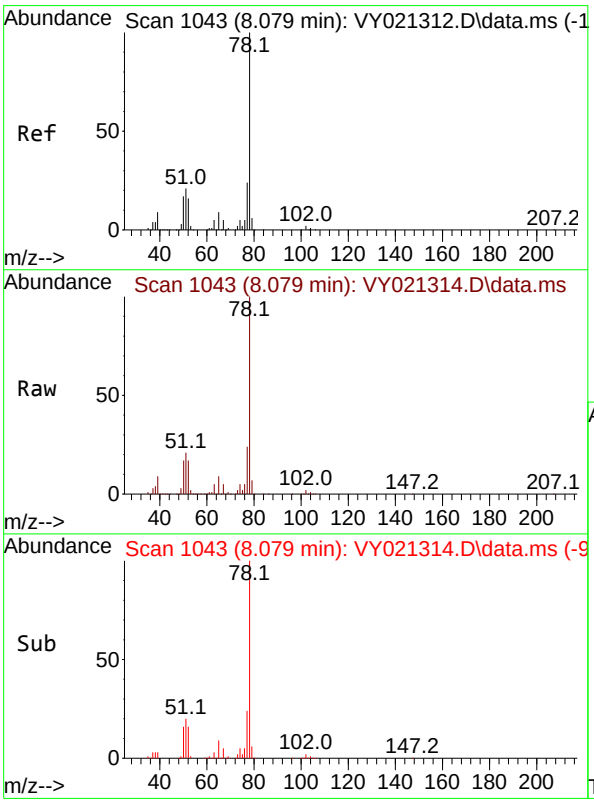
Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.3	91.9
98	47.7	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

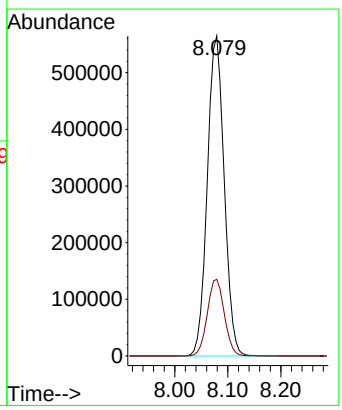


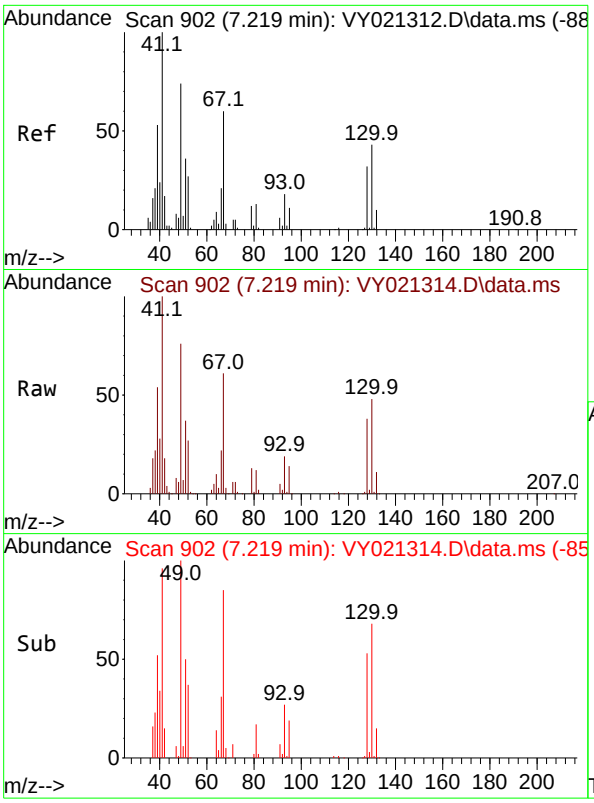


#40
Benzene
Concen: 151.673 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 78 Resp: 1249573

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8

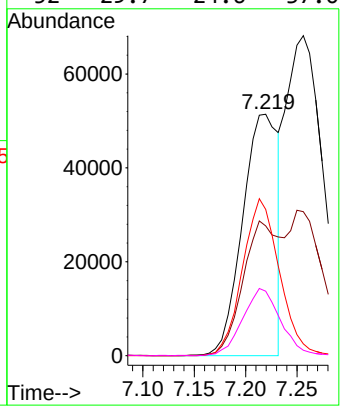




#41
Methacrylonitrile
Concen: 159.542 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 12366

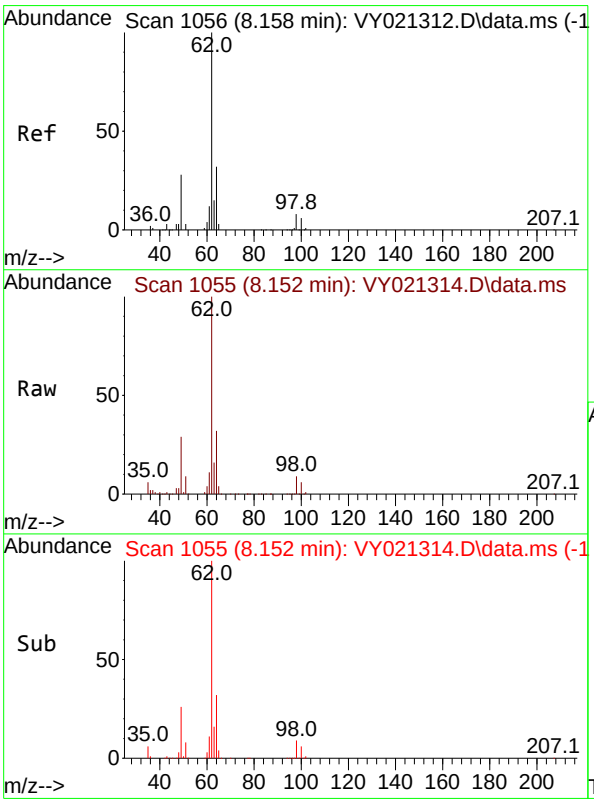
Ion	Ratio	Lower	Upper
41	100		
39	61.3	42.3	63.5
67	67.7	54.8	82.2
52	29.7	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

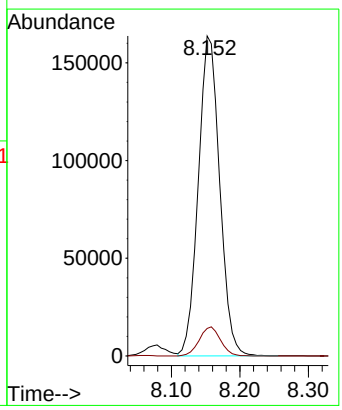
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

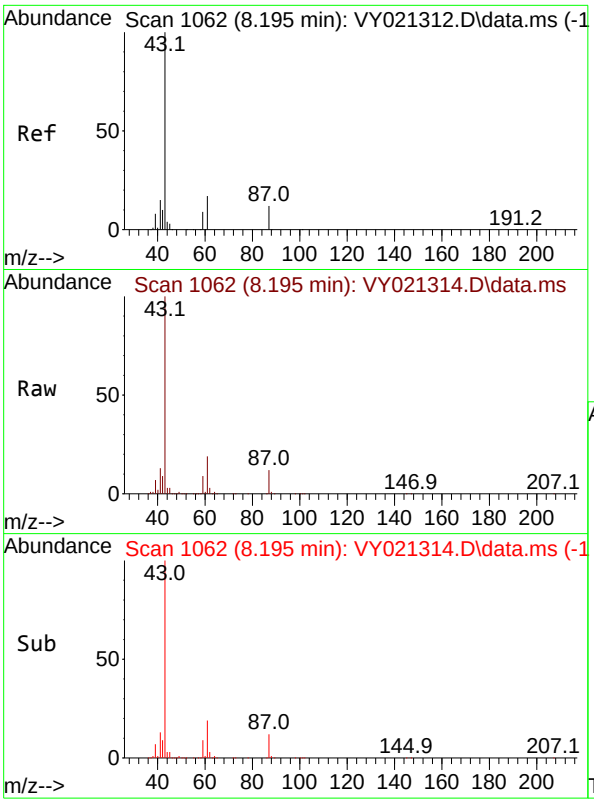


#42
1,2-Dichloroethane
Concen: 152.036 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 355374

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6

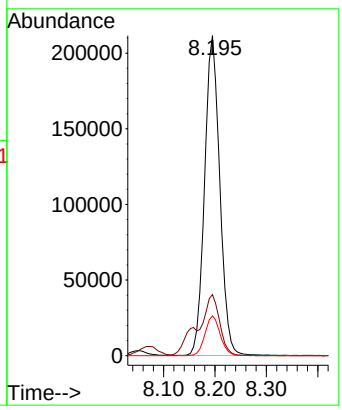




#43
Isopropyl Acetate
Concen: 161.641 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 43374

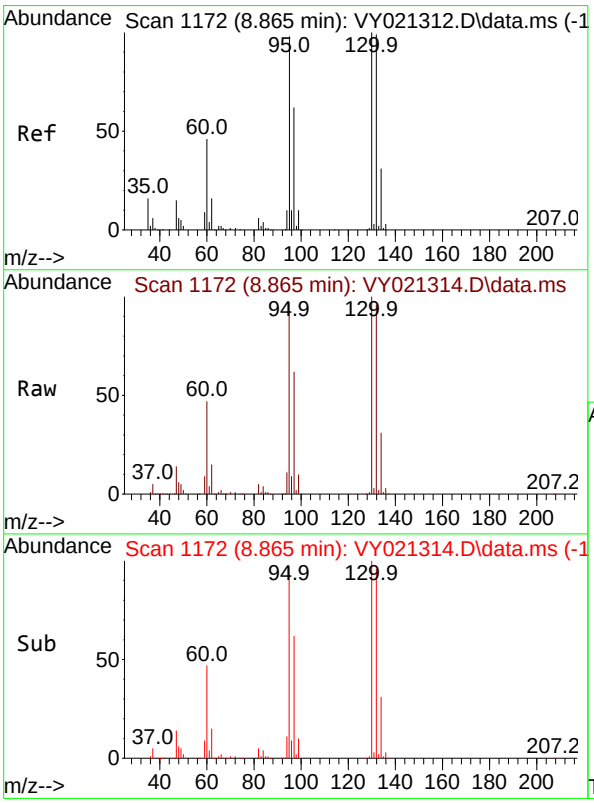
Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.0	22.6
87	12.4	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

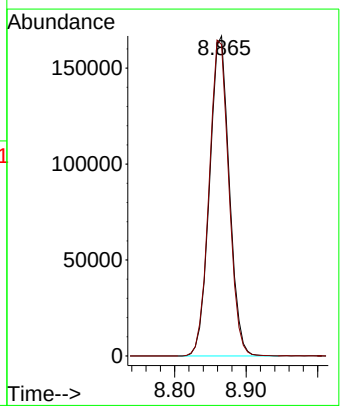
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

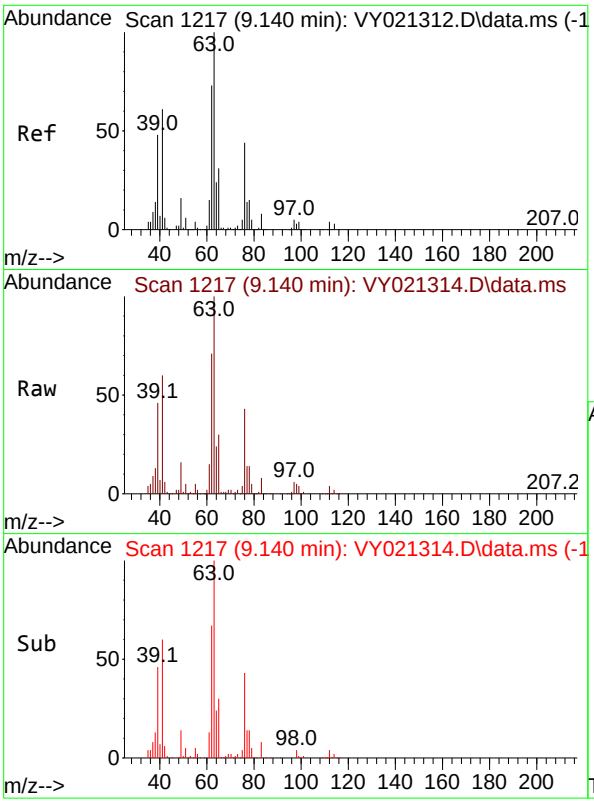


#44
Trichloroethene
Concen: 154.457 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:130 Resp: 318590

Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	196.0

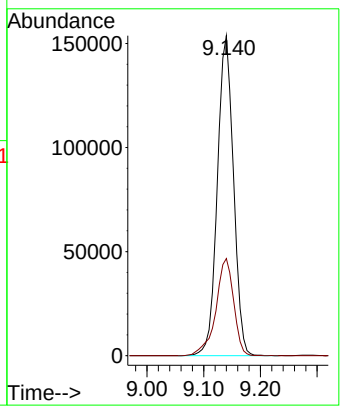




#45
1,2-Dichloropropane
Concen: 152.809 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 30296

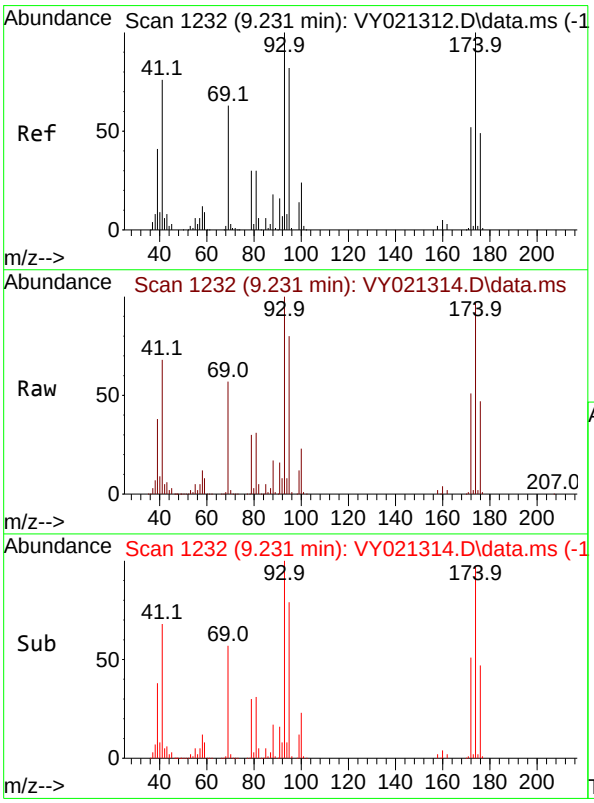
Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

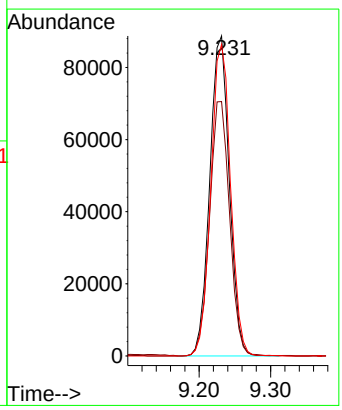
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

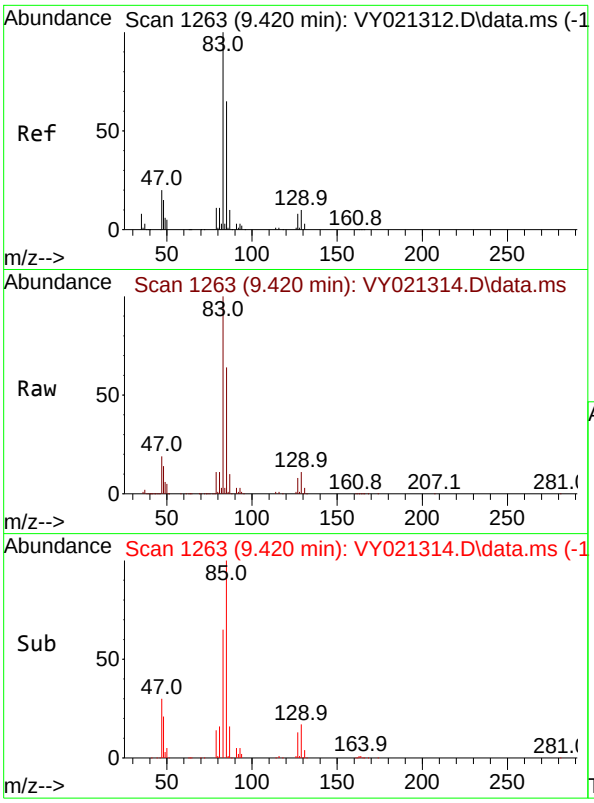


#46
Dibromomethane
Concen: 155.620 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 93 Resp: 168654

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.4	99.6
174	98.2	78.2	117.2

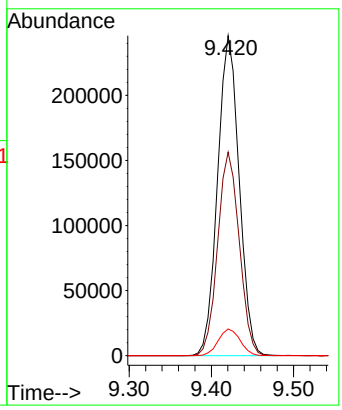




#47
Bromodichloromethane
Concen: 155.172 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 44839

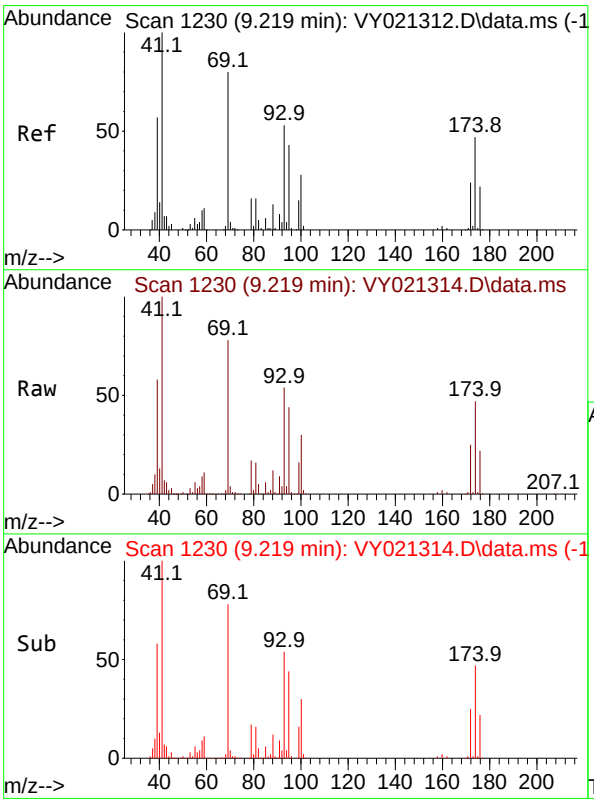
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.8
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

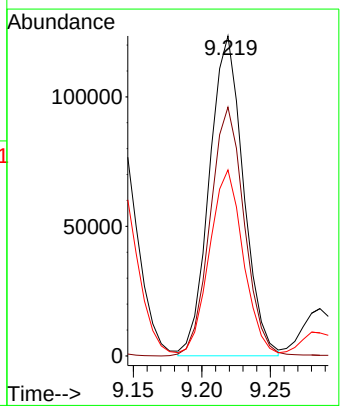
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

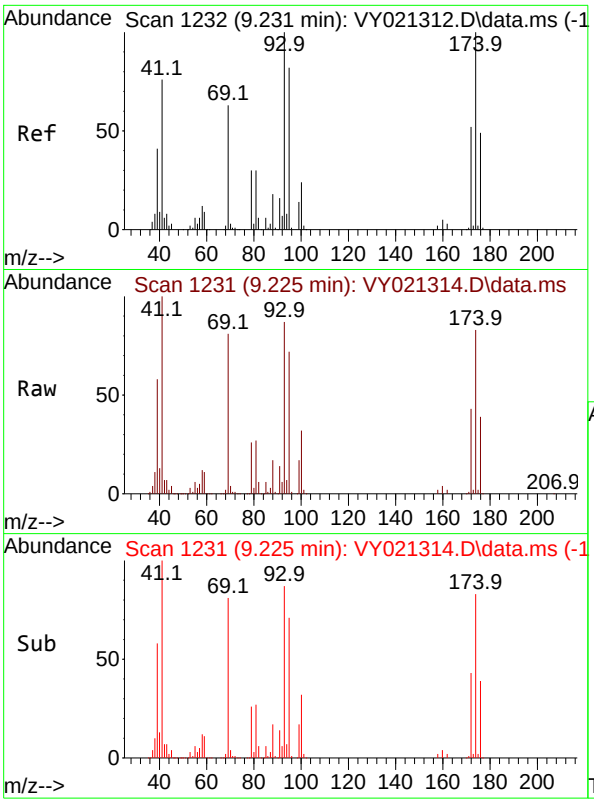


#48
Methyl methacrylate
Concen: 169.923 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 213222

Ion	Ratio	Lower	Upper
41	100		
69	78.4	63.3	94.9
39	56.2	45.0	67.6

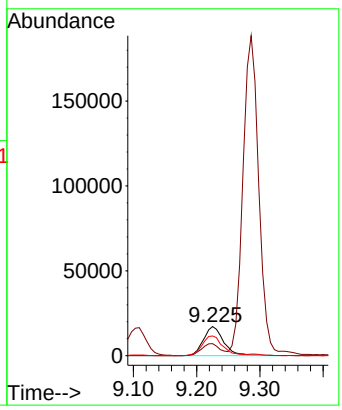




#49
1,4-Dioxane
Concen: 3165.209 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 88 Resp: 3814

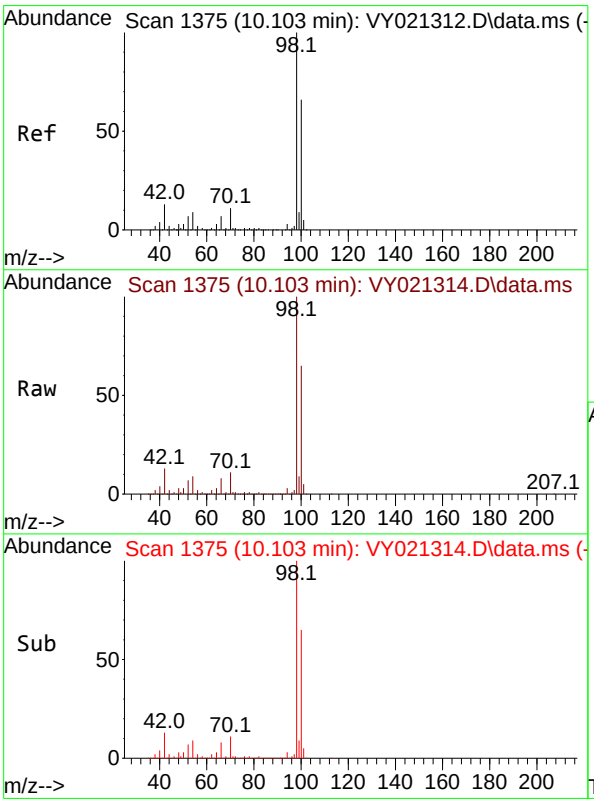
Ion	Ratio	Lower	Upper
88	100		
43	38.4	34.8	52.2
58	68.6	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

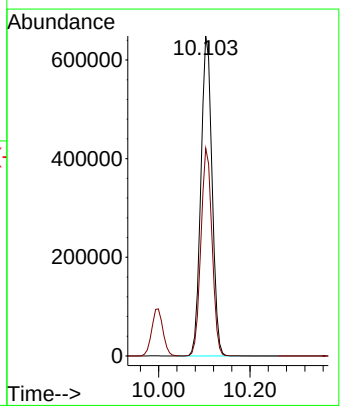
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

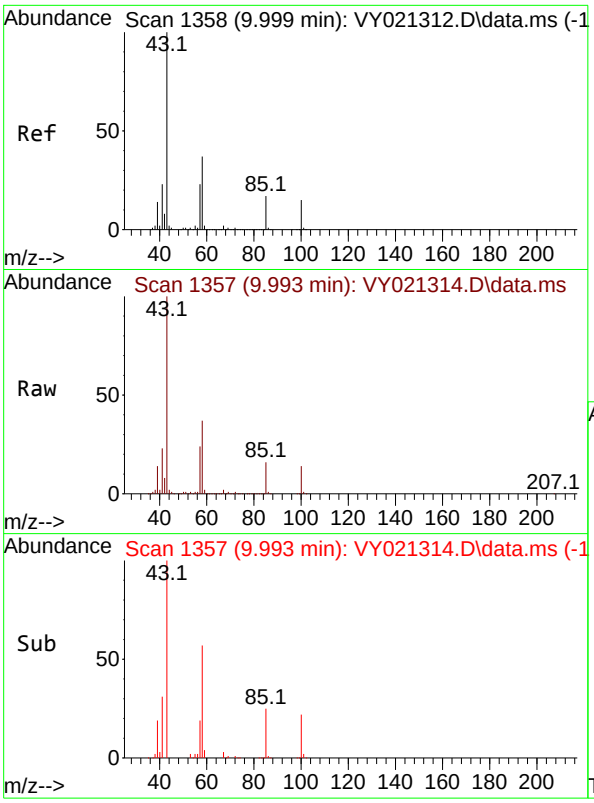


#50
Toluene-d8
Concen: 152.682 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 98 Resp: 1094820

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6

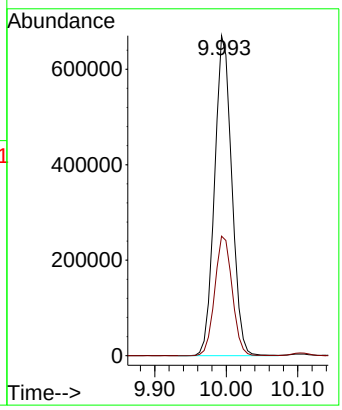




#51
4-Methyl-2-Pentanone
Concen: 816.471 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 112150

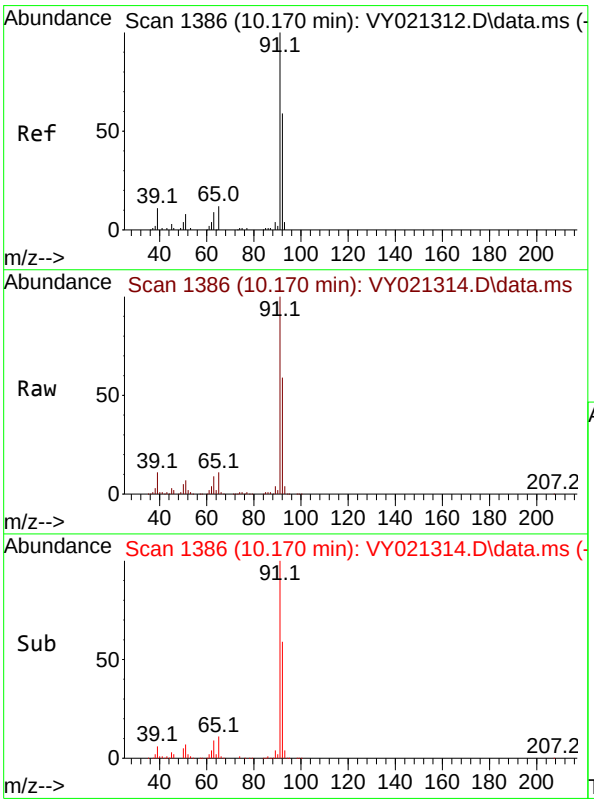
Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

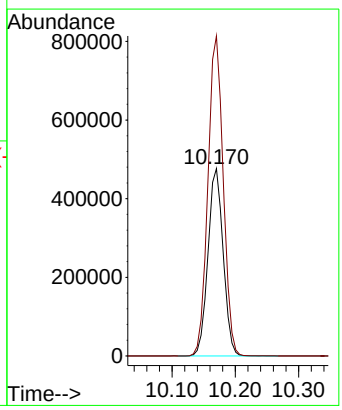
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

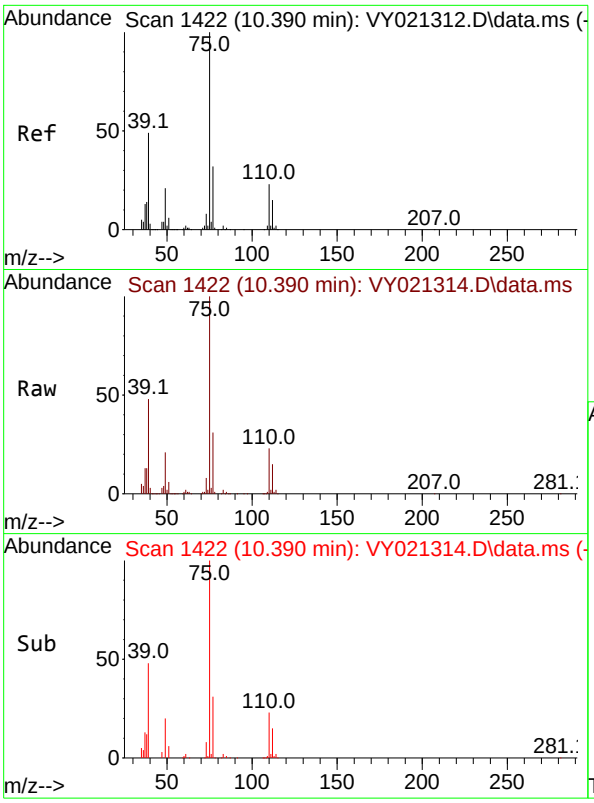


#52
Toluene
Concen: 155.232 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 92 Resp: 794485

Ion	Ratio	Lower	Upper
92	100		
91	172.2	137.8	206.8

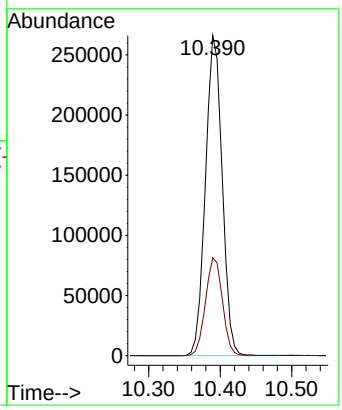




#53
t-1,3-Dichloropropene
Concen: 163.384 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 43256

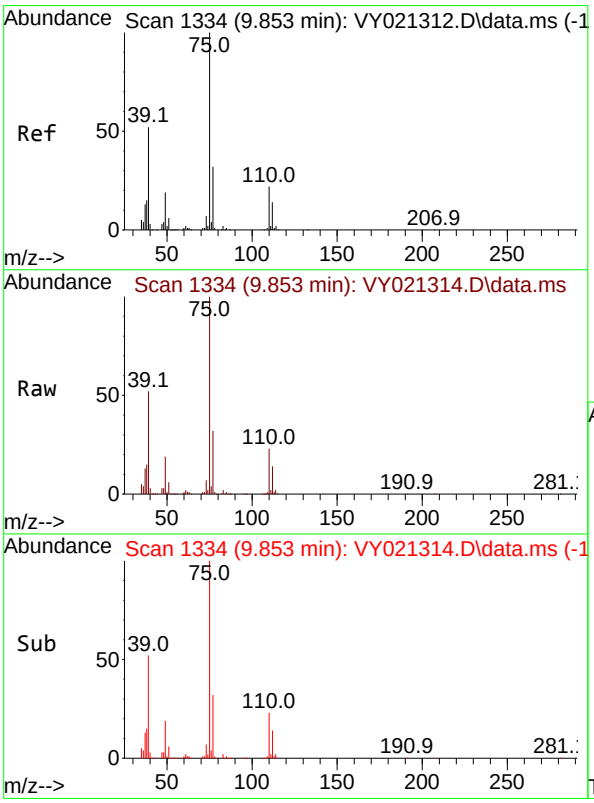
Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

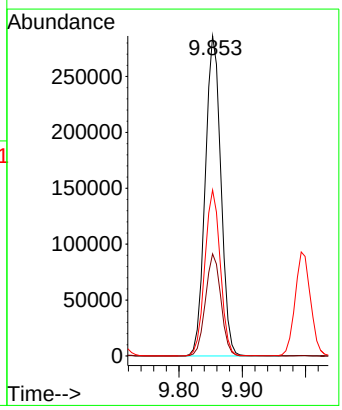
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

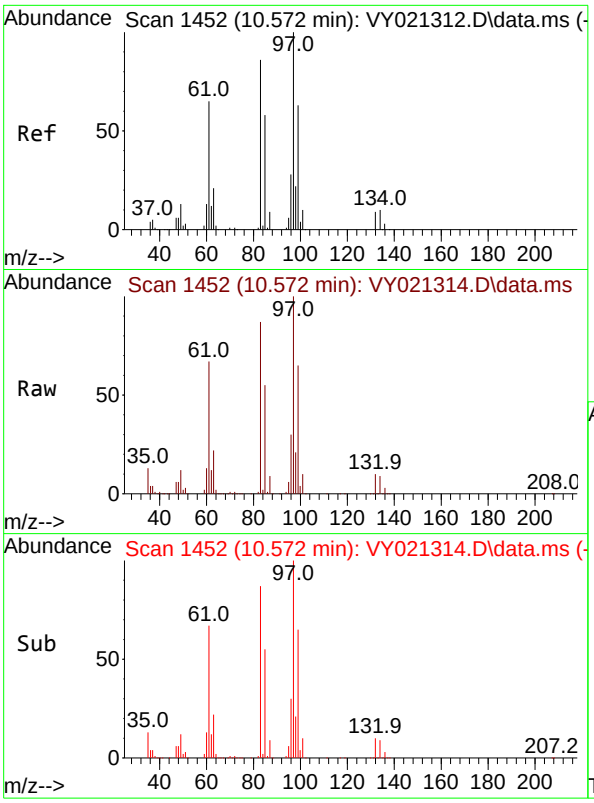


#54
cis-1,3-Dichloropropene
Concen: 157.928 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 493601

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5
39	51.8	41.8	62.6

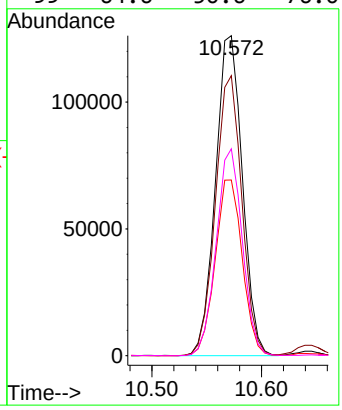




#55
1,1,2-Trichloroethane
Concen: 152.506 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 97 Resp: 21531

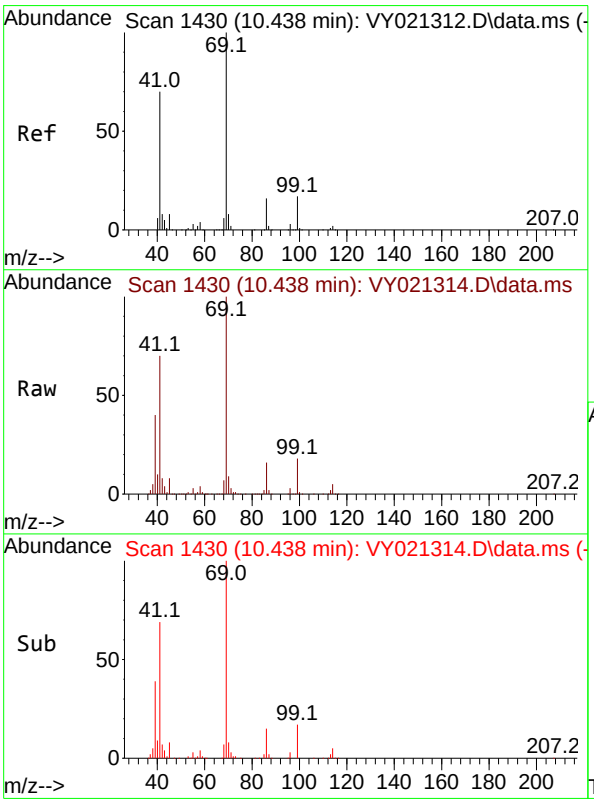
Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.7	103.1
85	54.8	46.3	69.5
99	64.6	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

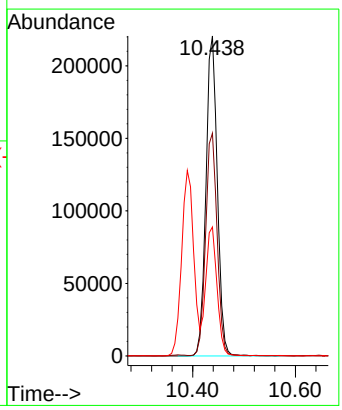
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

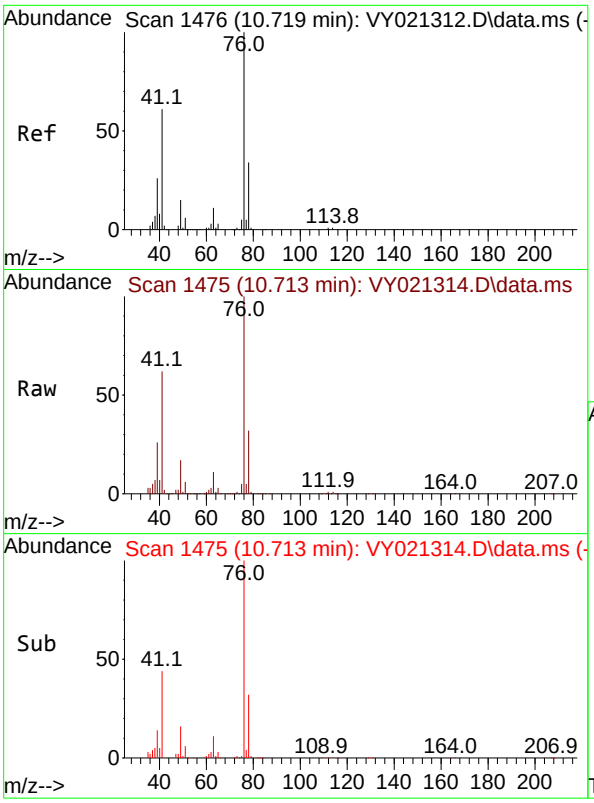


#56
Ethyl methacrylate
Concen: 173.168 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 69 Resp: 337816

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	40.0	32.7	49.1





#57
1,3-Dichloropropane
Concen: 155.726 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

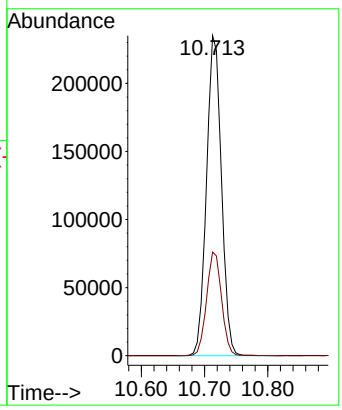
Tgt Ion: 76 Resp: 38580

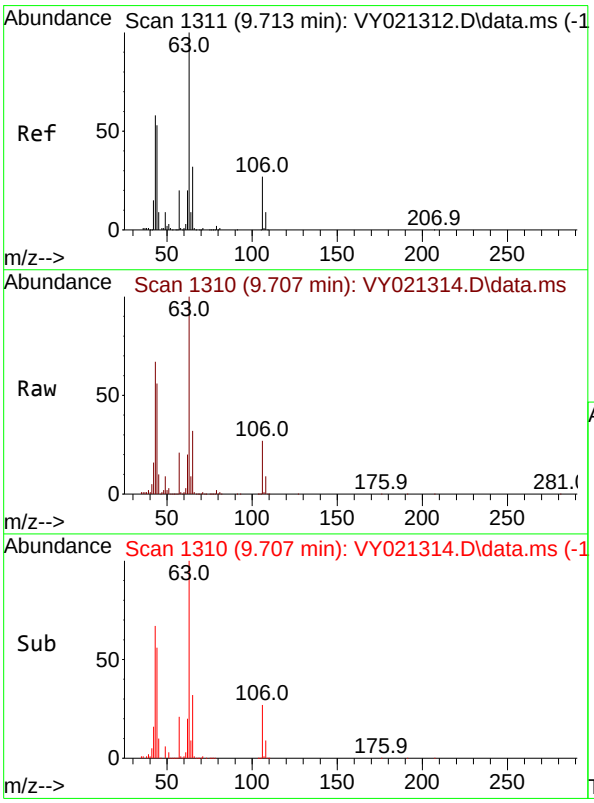
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

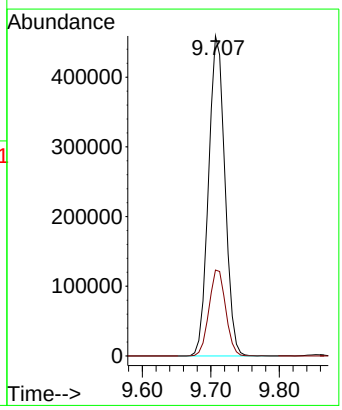


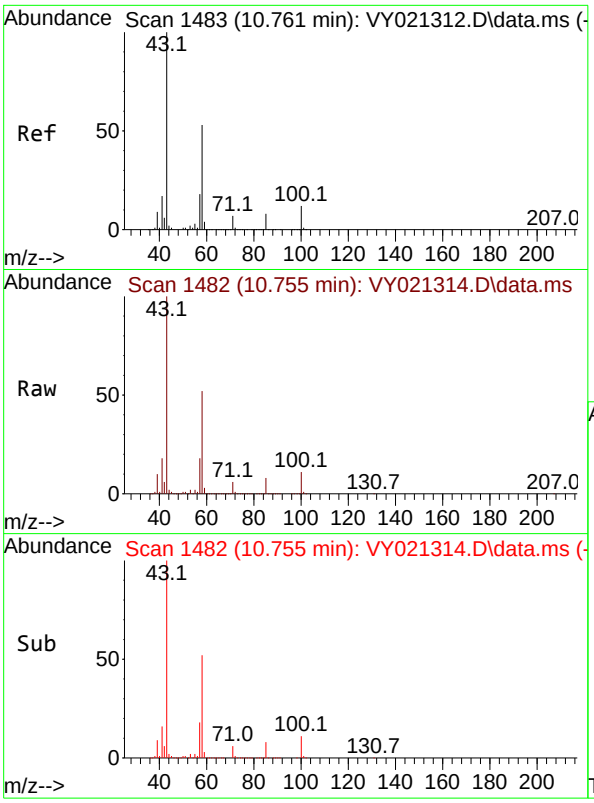


#58
2-Chloroethyl Vinyl ether
Concen: 812.859 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 761125

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.7	32.5

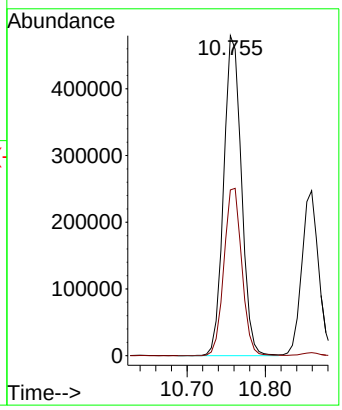




#59
2-Hexanone
Concen: 836.458 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 754575

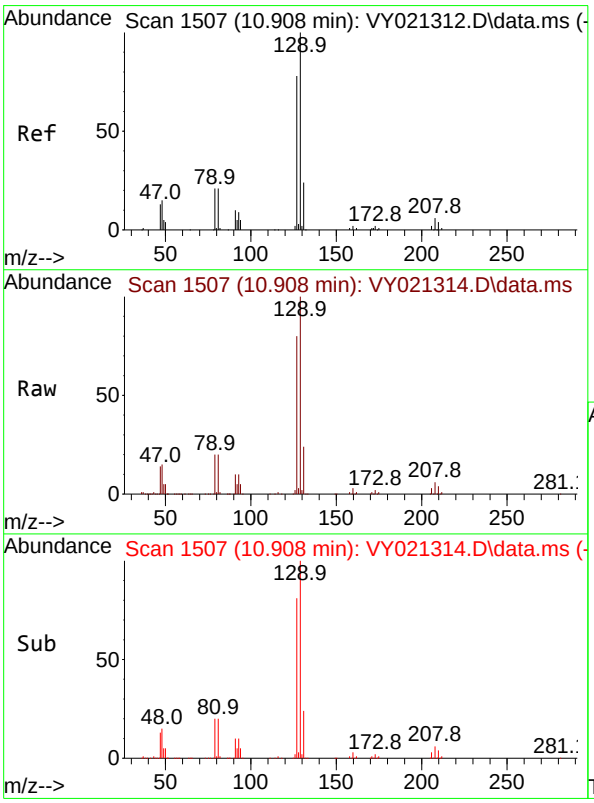
Ion	Ratio	Lower	Upper
43	100		
58	52.8	25.9	77.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

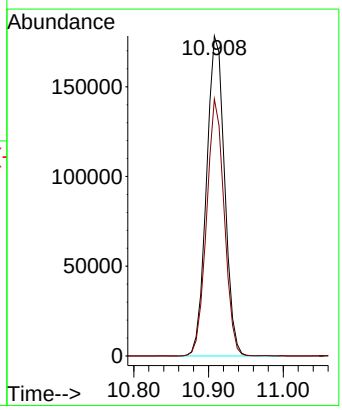
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

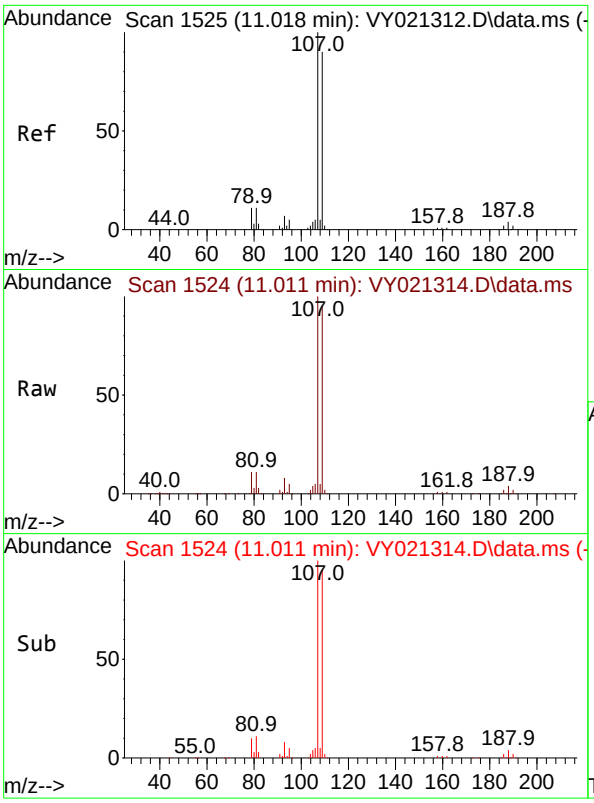


#60
Dibromochloromethane
Concen: 155.598 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:129 Resp: 299188

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.8	116.4

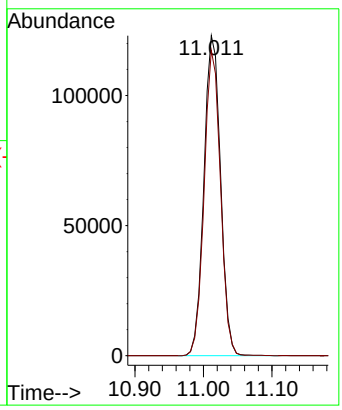




#61
1,2-Dibromoethane
Concen: 155.651 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:107 Resp: 20804

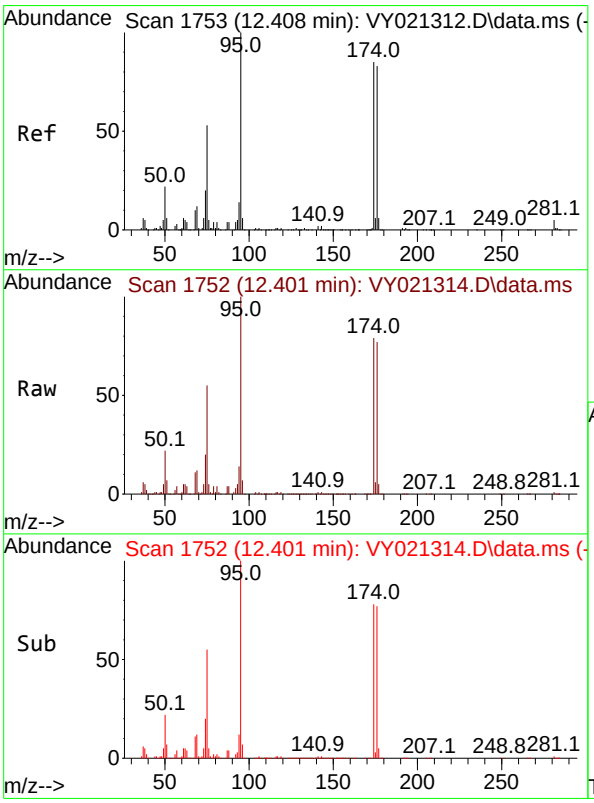
Ion	Ratio	Lower	Upper
107	100		
109	93.7	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

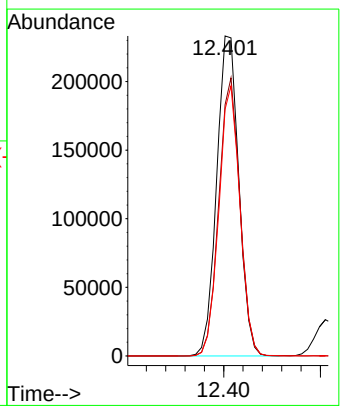
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

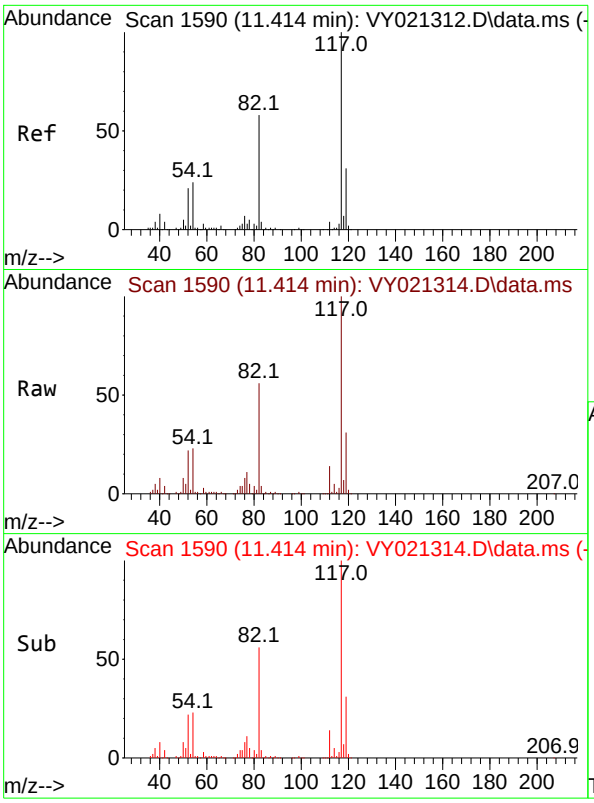


#62
4-Bromofluorobenzene
Concen: 152.937 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 95 Resp: 369071

Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	168.0
176	80.5	0.0	162.6

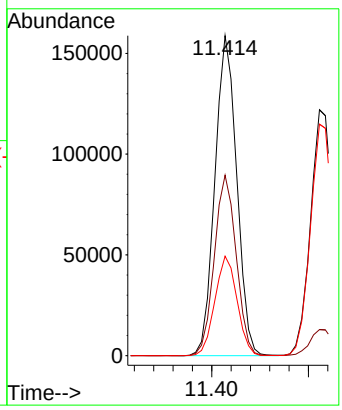




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 24849

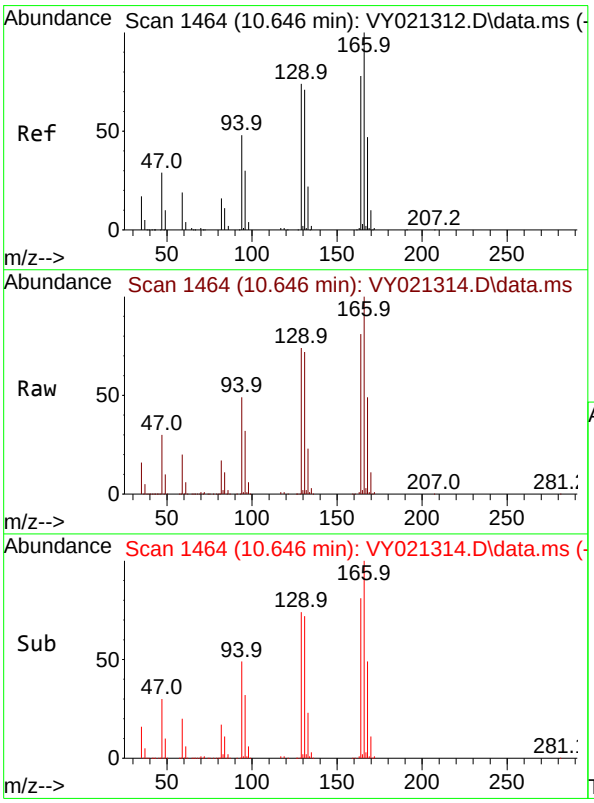
Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.2	69.4
119	31.1	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

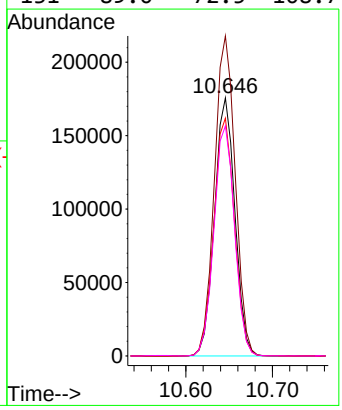
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

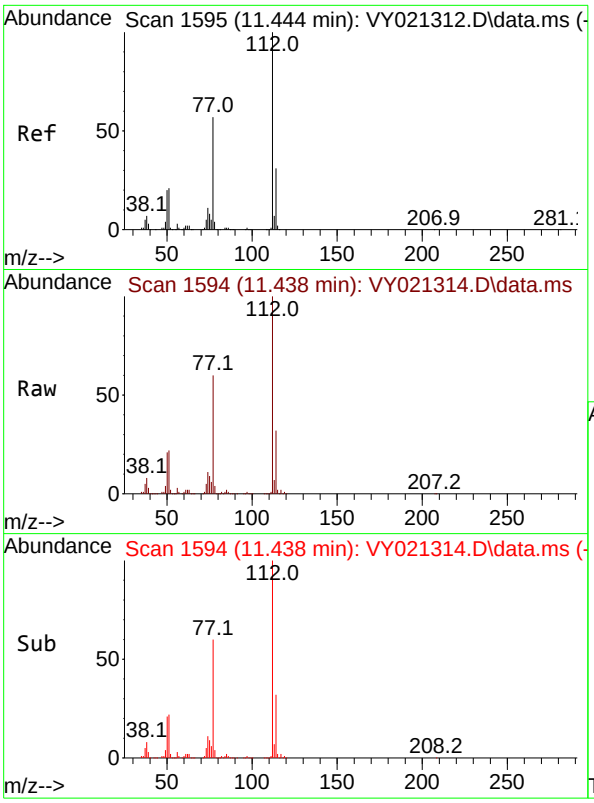


#64
Tetrachloroethene
Concen: 153.351 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:164 Resp: 288026

Ion	Ratio	Lower	Upper
164	100		
166	124.0	101.9	152.9
129	92.1	75.5	113.3
131	89.0	72.5	108.7

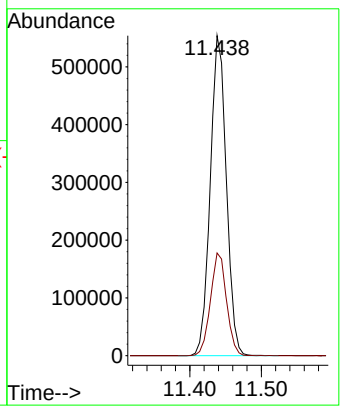




#65
Chlorobenzene
Concen: 154.837 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:112 Resp: 86367

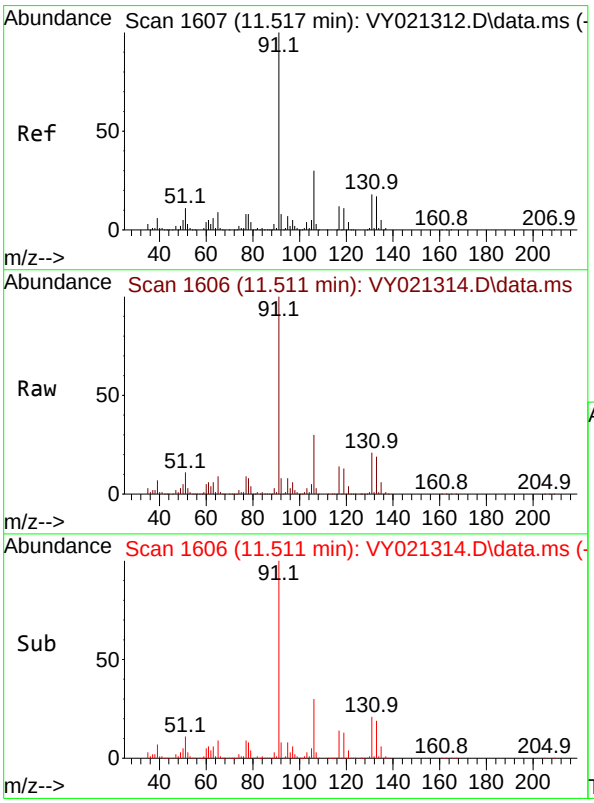
Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

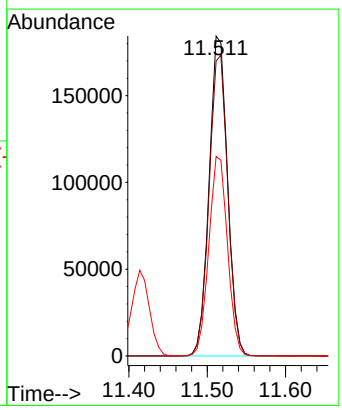
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

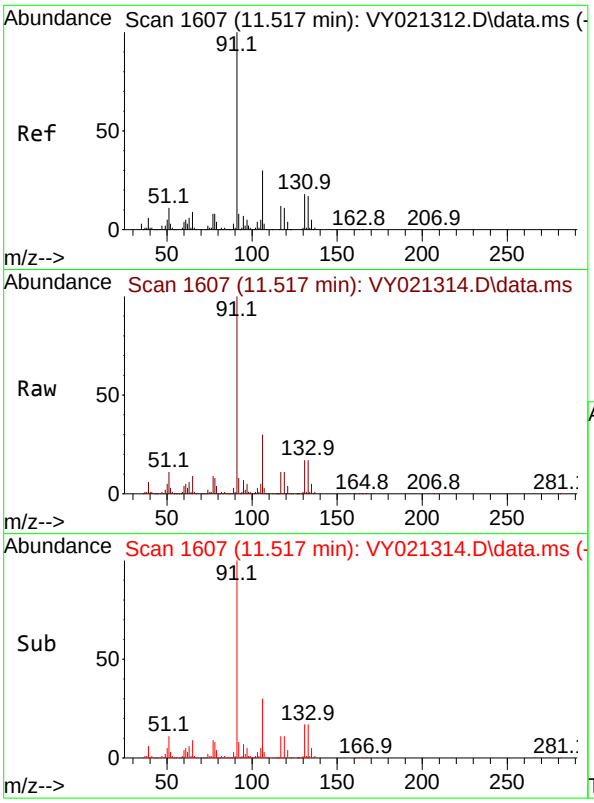


#66
1,1,1,2-Tetrachloroethane
Concen: 154.234 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:131 Resp: 301244

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.9	143.6
119	63.3	31.7	95.1

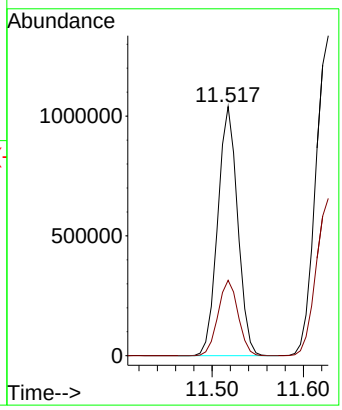




#67
Ethyl Benzene
Concen: 159.586 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 157674

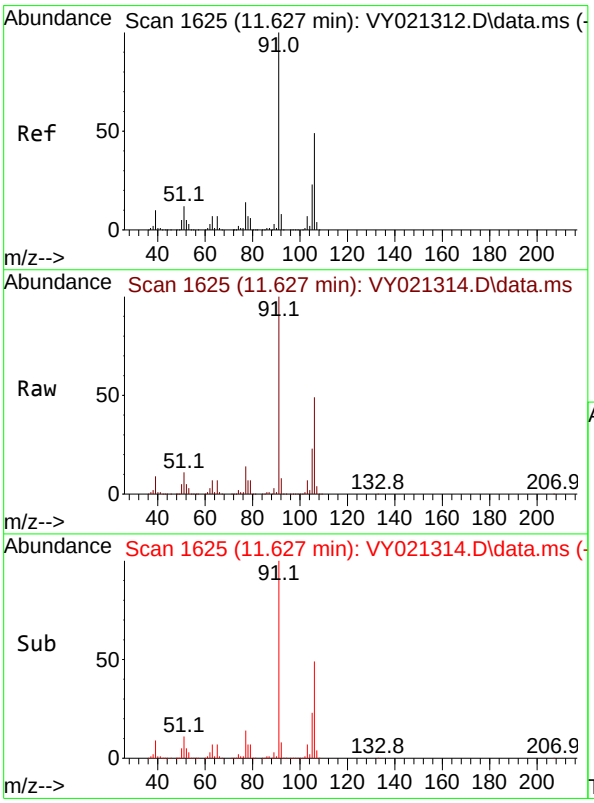
Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

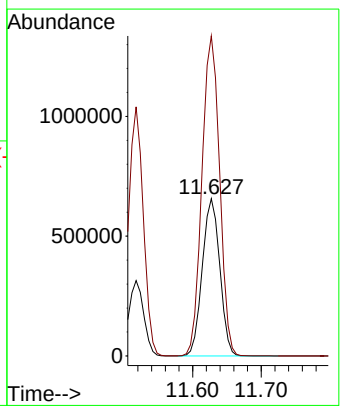
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

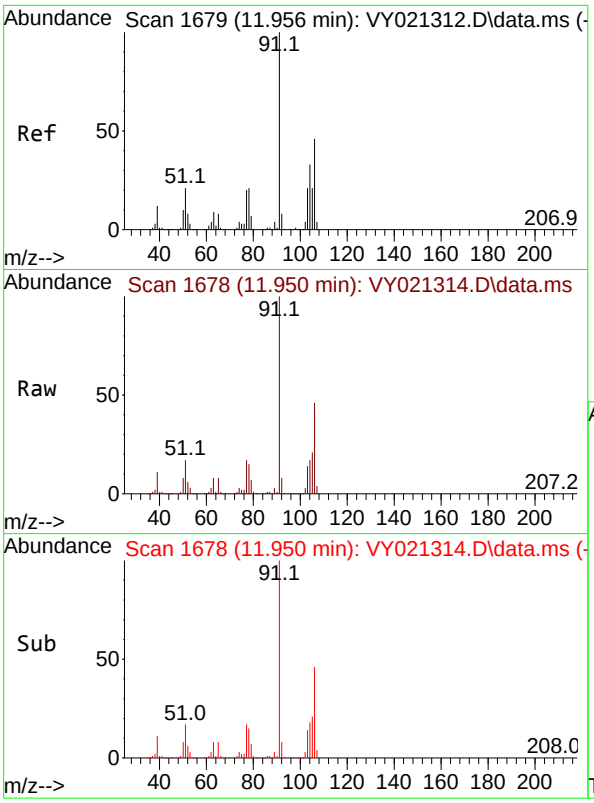


#68
m/p-Xylenes
Concen: 314.246 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:106 Resp: 1167839

Ion	Ratio	Lower	Upper
106	100		
91	205.5	163.9	245.9





#69
o-Xylene
Concen: 158.258 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

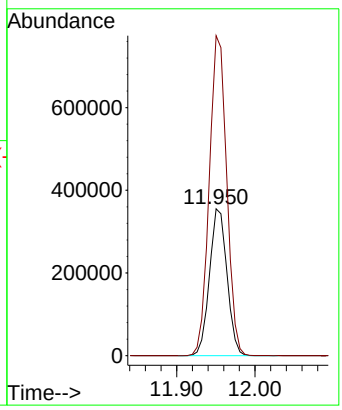
Tgt Ion:106 Resp: 55097

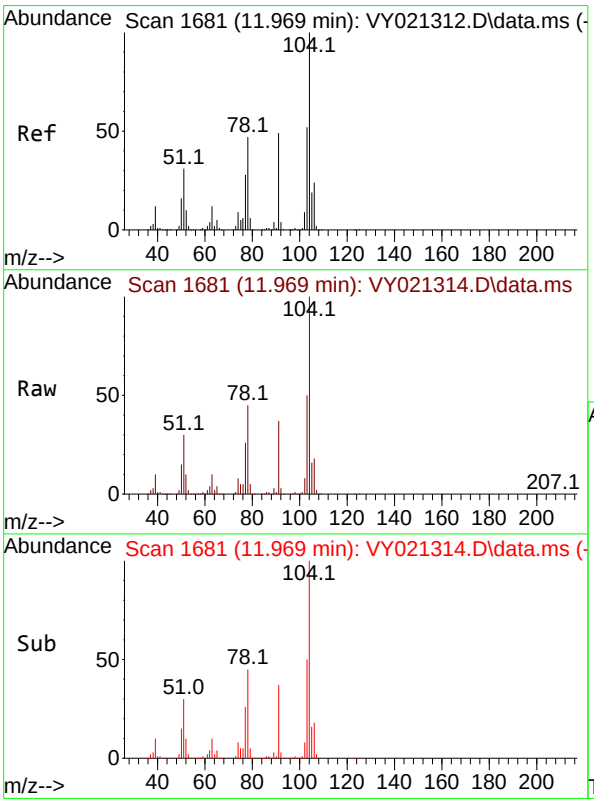
Ion	Ratio	Lower	Upper
106	100		
91	217.0	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

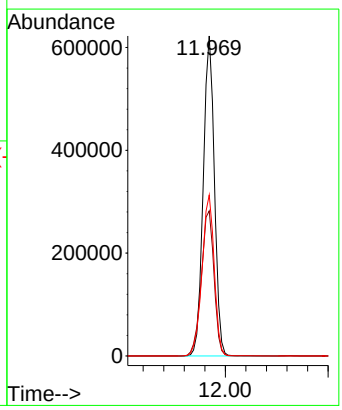


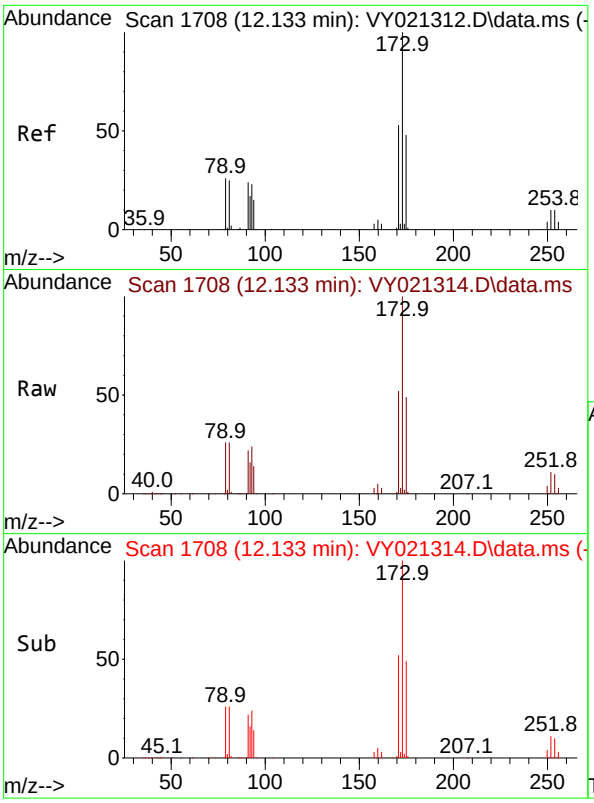


#70
Styrene
Concen: 161.754 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:104 Resp: 936967

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.3	61.9
103	55.0	43.9	65.9

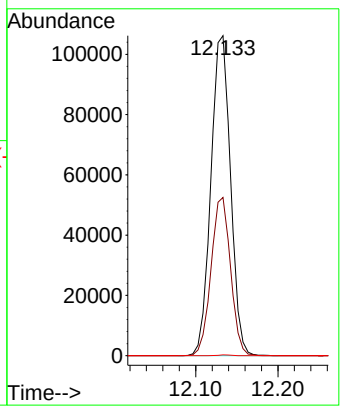




#71
Bromoform
Concen: 157.441 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:173 Resp: 17591

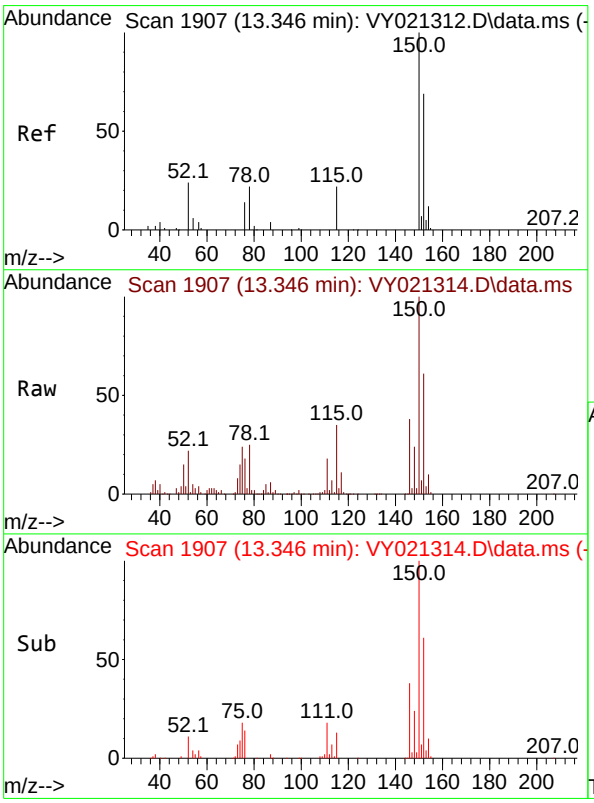
Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

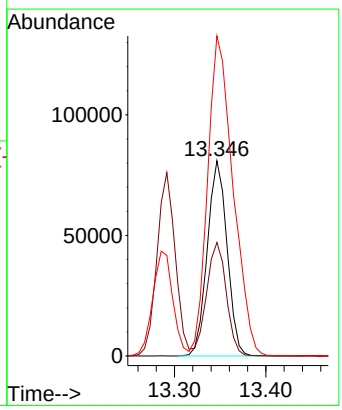
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

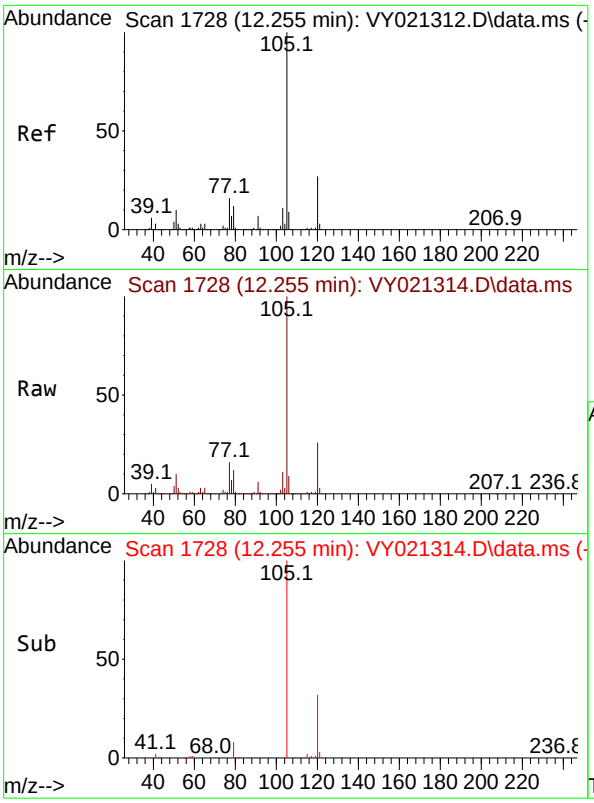


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:152 Resp: 121558

Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	88.0
150	210.8	0.0	347.4

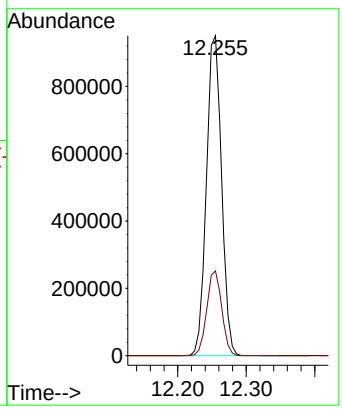




#73
Isopropylbenzene
Concen: 159.969 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 146190

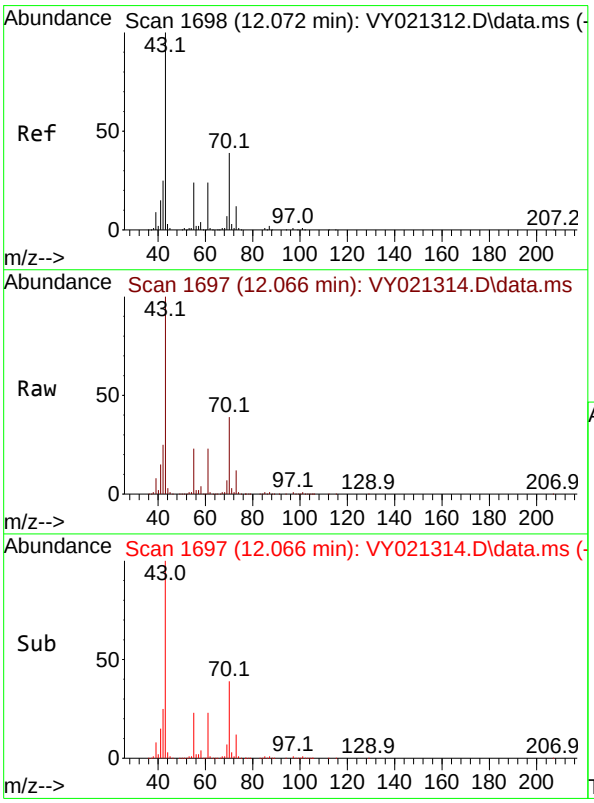
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

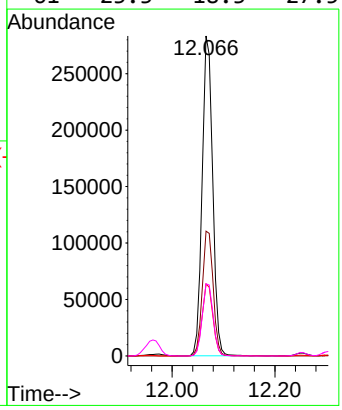
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

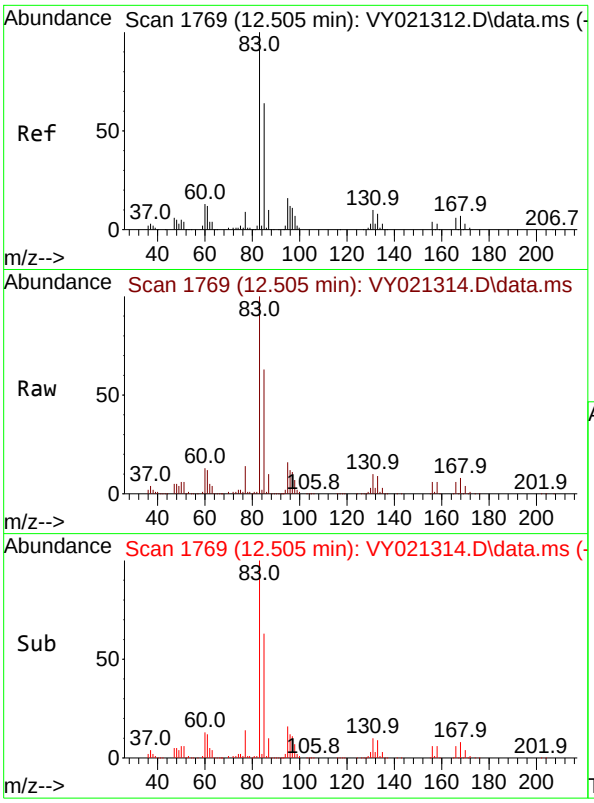


#74
N-amyl acetate
Concen: 173.596 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 403238

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	23.0	19.6	29.4
61	23.3	18.3	27.5

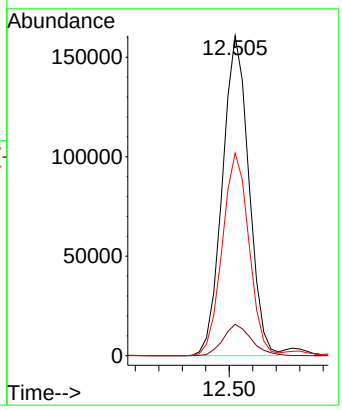




#75
1,1,2,2-Tetrachloroethane
Concen: 155.759 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 25121

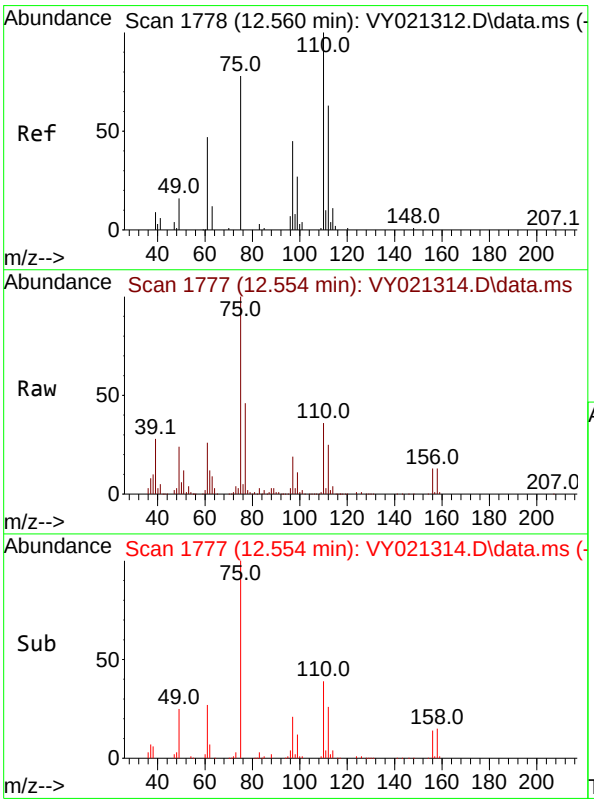
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	63.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

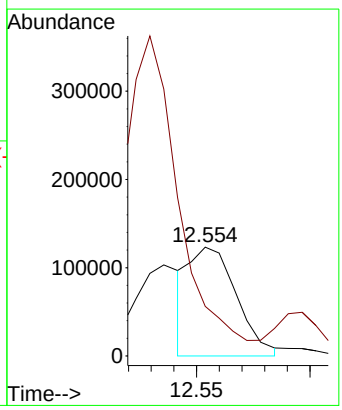
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

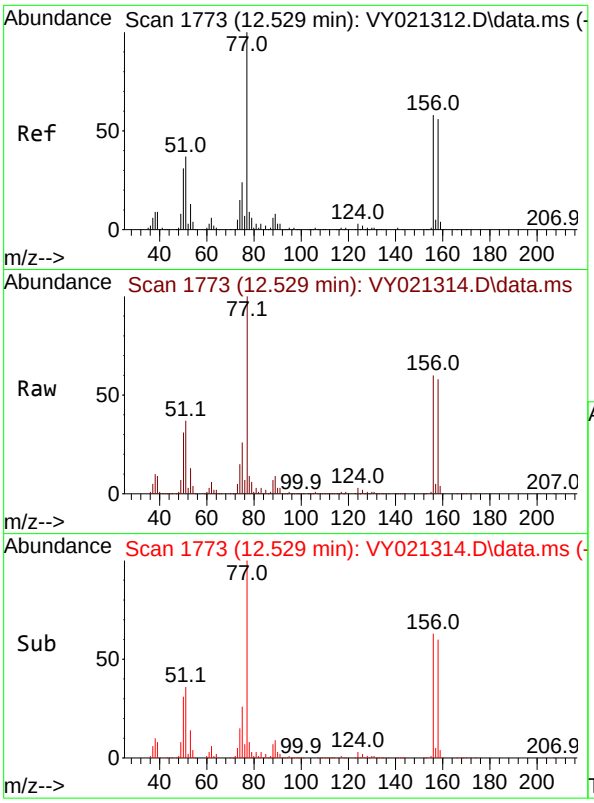


#76
1,2,3-Trichloropropane
Concen: 146.733 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 179622

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

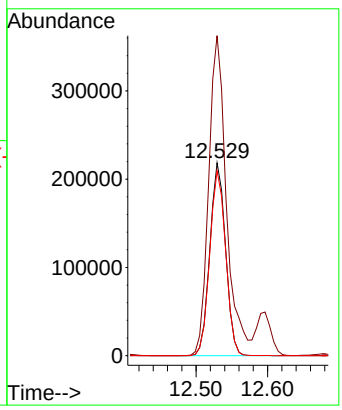




#77
Bromobenzene
Concen: 157.025 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:156 Resp: 33377

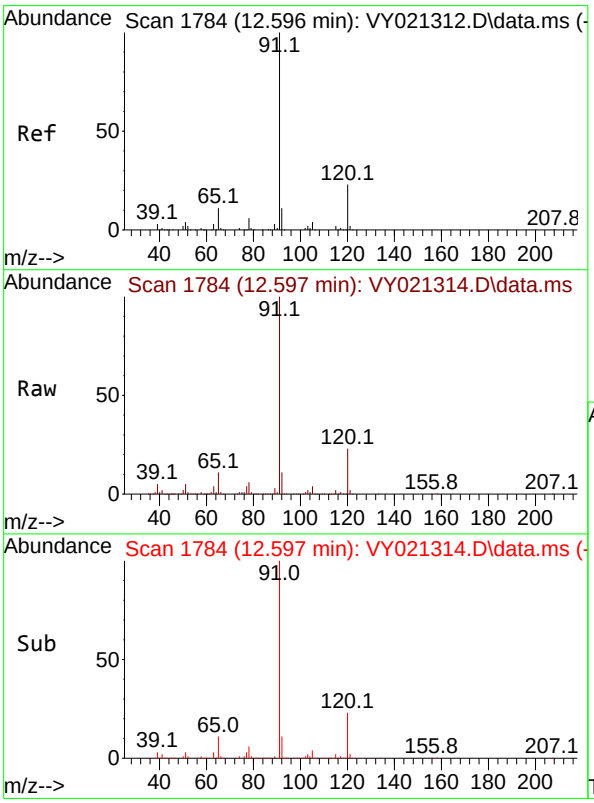
Ion	Ratio	Lower	Upper
156	100		
77	186.1	94.0	282.1
158	97.0	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

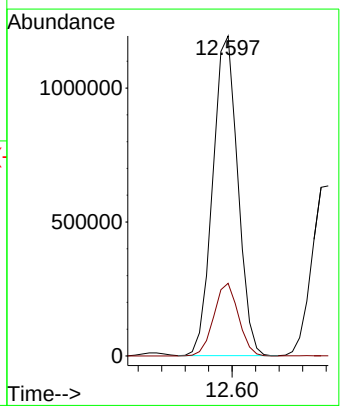
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

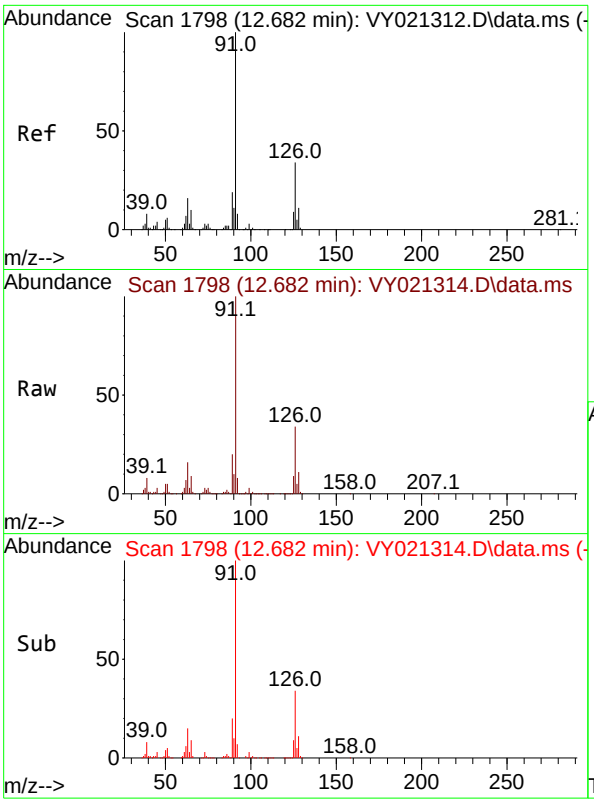


#78
n-propylbenzene
Concen: 159.217 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1765636

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.5

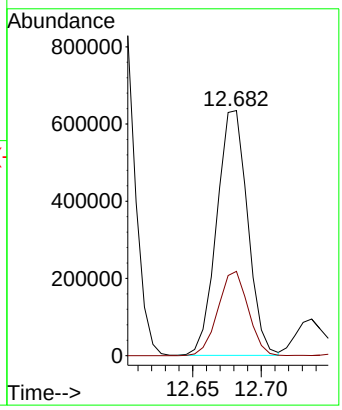




#79
2-Chlorotoluene
Concen: 156.411 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 99545

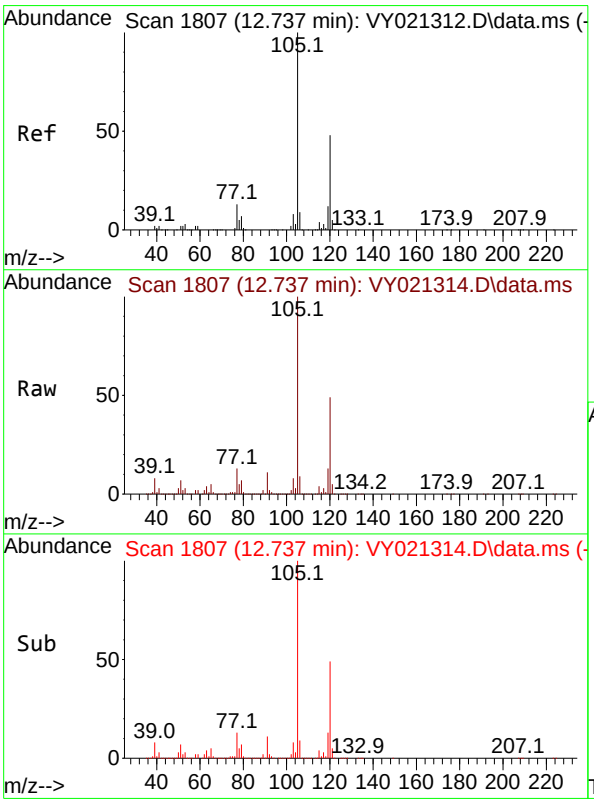
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

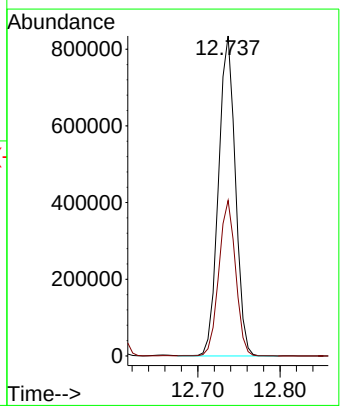
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

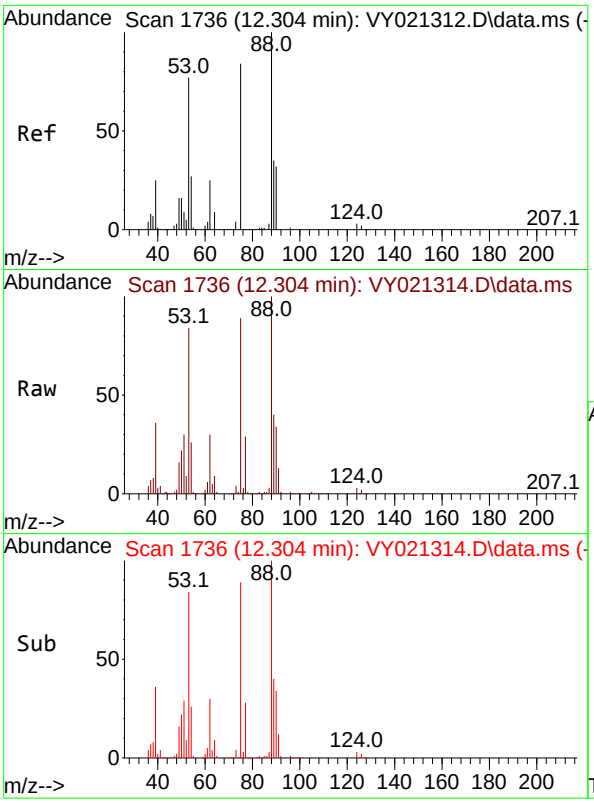


#80
1,3,5-Trimethylbenzene
Concen: 158.830 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1190462

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 169.722 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

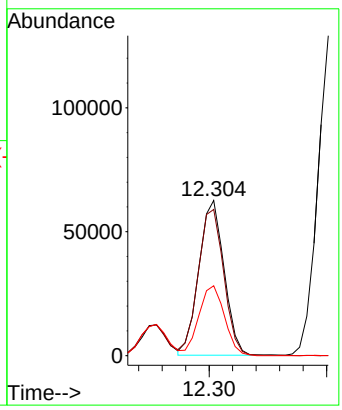
Tgt Ion: 75 Resp: 9291

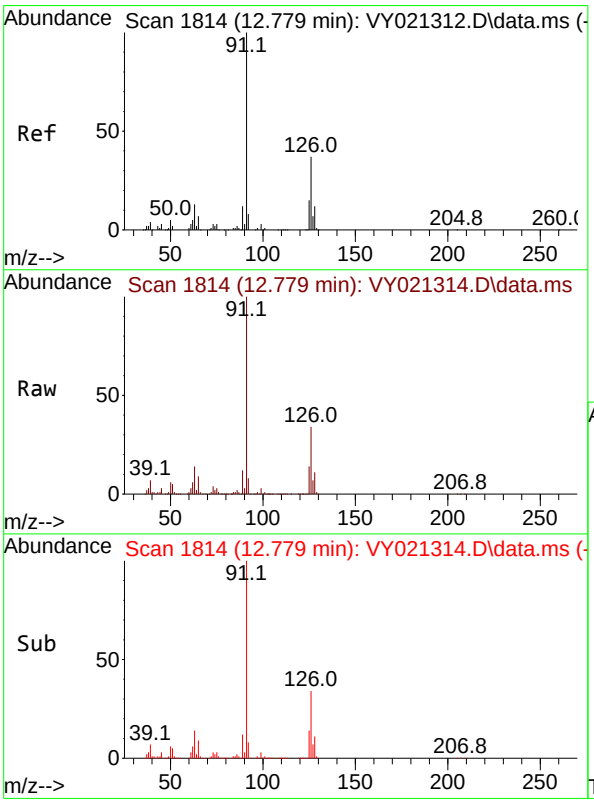
Ion	Ratio	Lower	Upper
75	100		
53	96.8	79.1	118.7
89	46.3	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

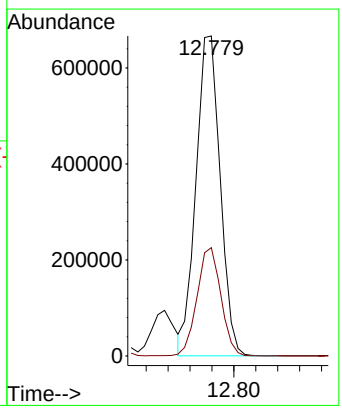


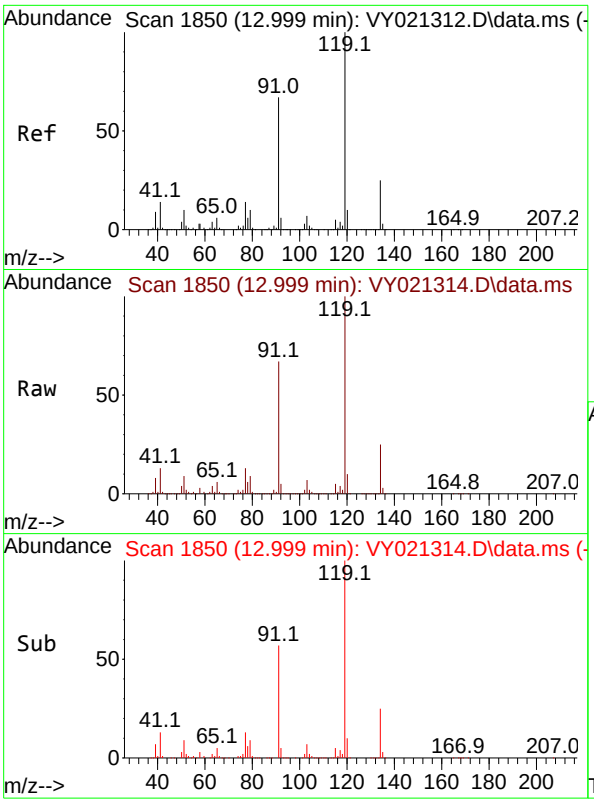


#82
4-Chlorotoluene
Concen: 154.883 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1021811

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.8	50.4





#83
tert-Butylbenzene
Concen: 161.602 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

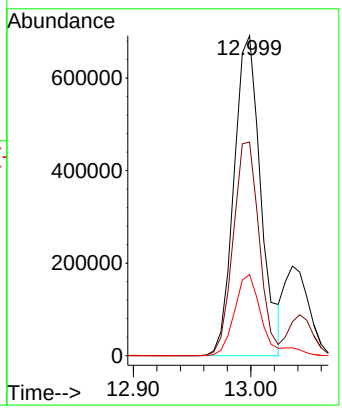
Tgt Ion:119 Resp: 109412

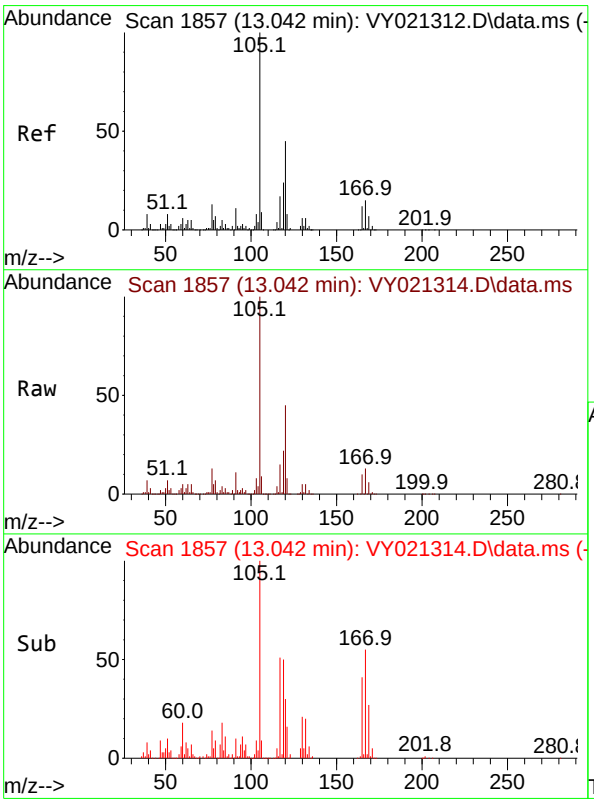
Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.7	98.1
134	26.2	13.3	39.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

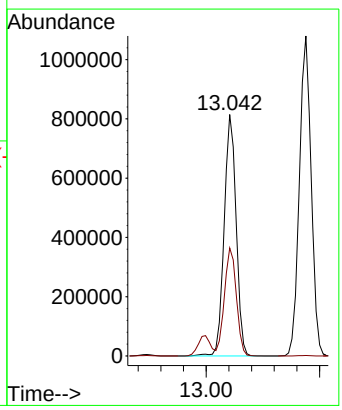


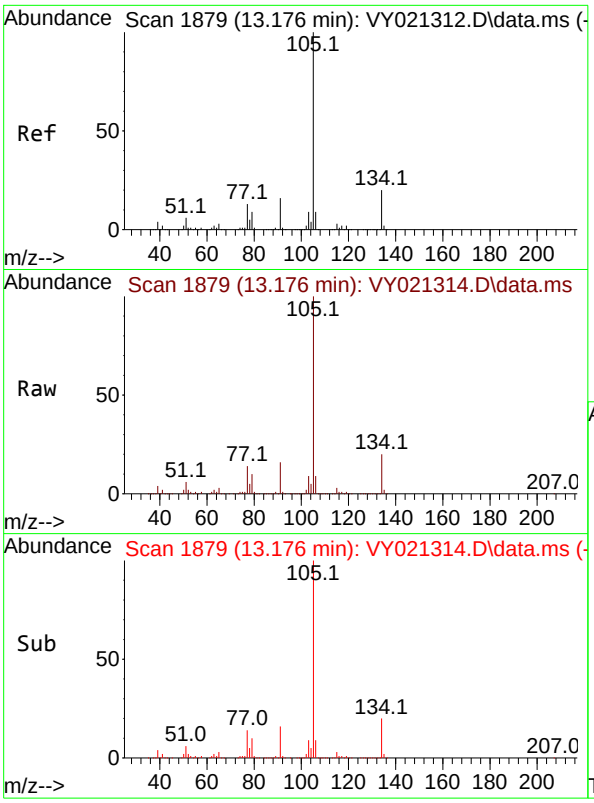


#84
1,2,4-Trimethylbenzene
Concen: 159.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1192062

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.3

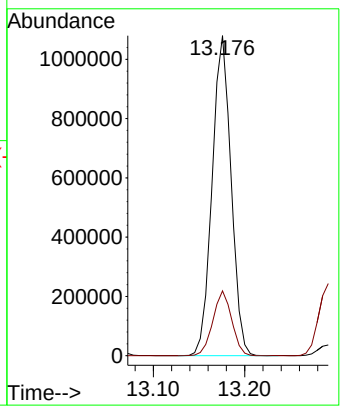




#85
sec-Butylbenzene
Concen: 157.594 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 155854

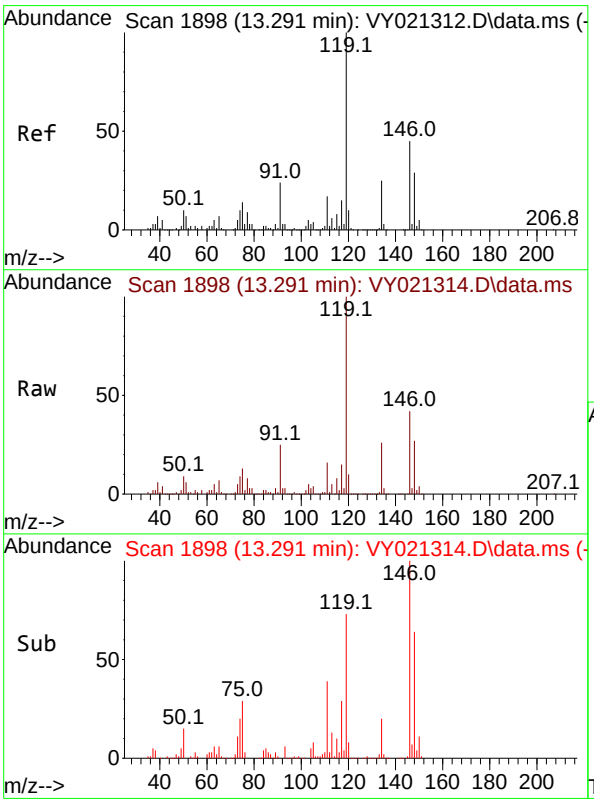
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

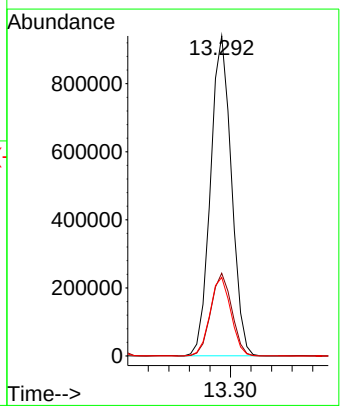
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

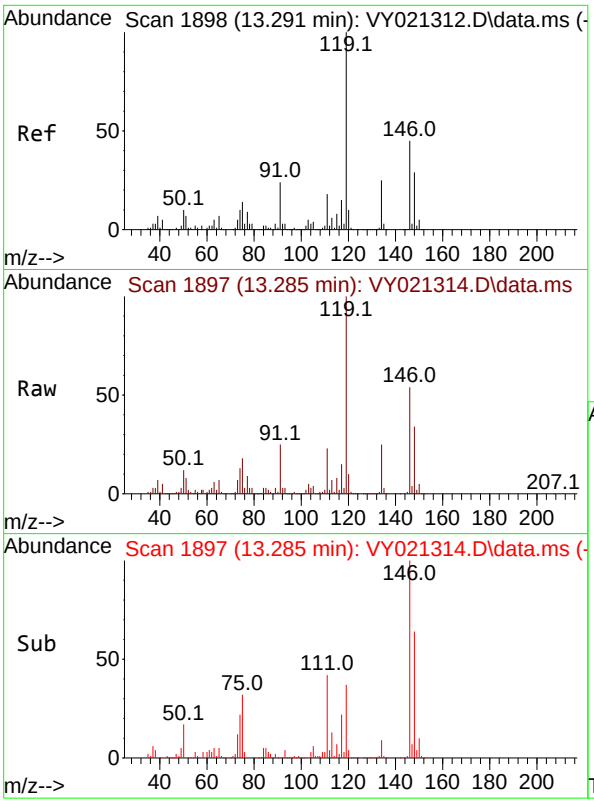


#86
p-Isopropyltoluene
Concen: 160.795 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:119 Resp: 1327819

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.5	12.0	36.1

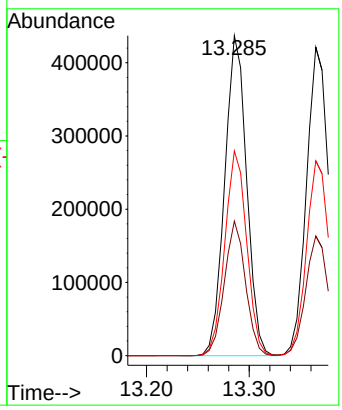




#87
1,3-Dichlorobenzene
Concen: 154.161 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 64820

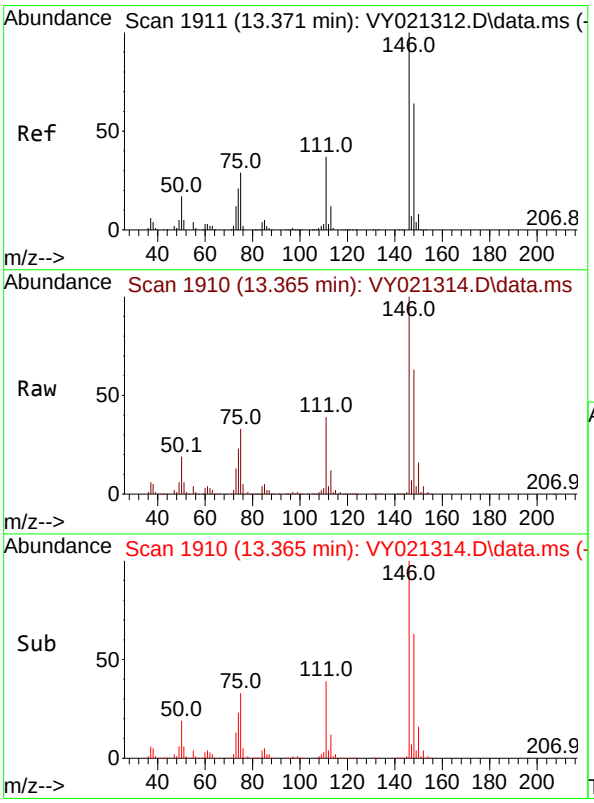
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

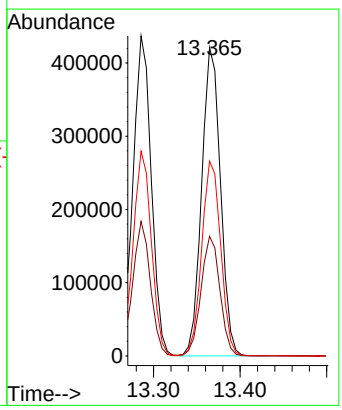
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

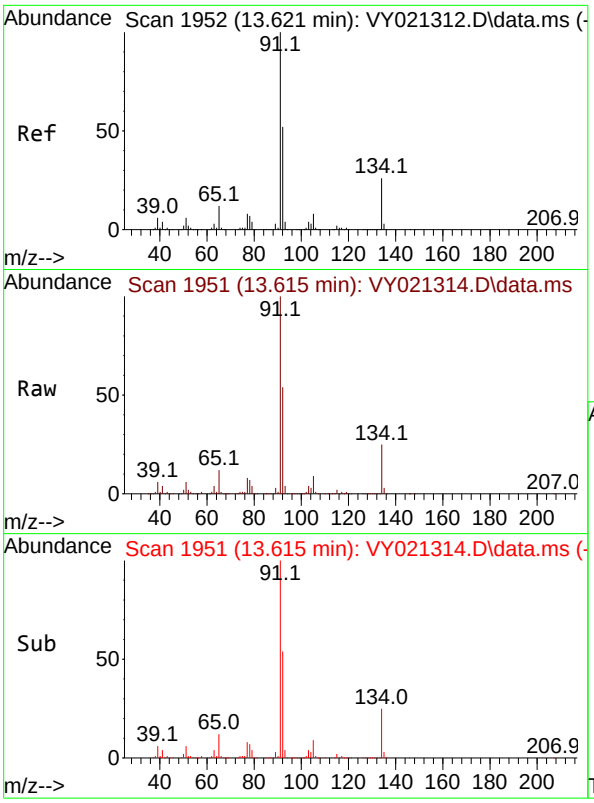


#88
1,4-Dichlorobenzene
Concen: 153.109 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 635981

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.7	32.0	96.2

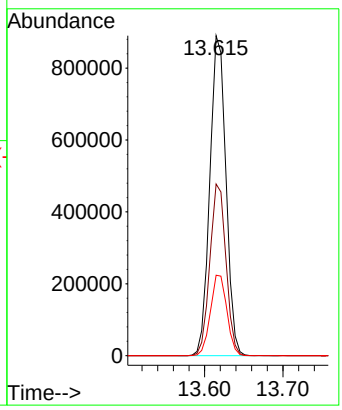




#89
n-Butylbenzene
Concen: 163.350 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 126939

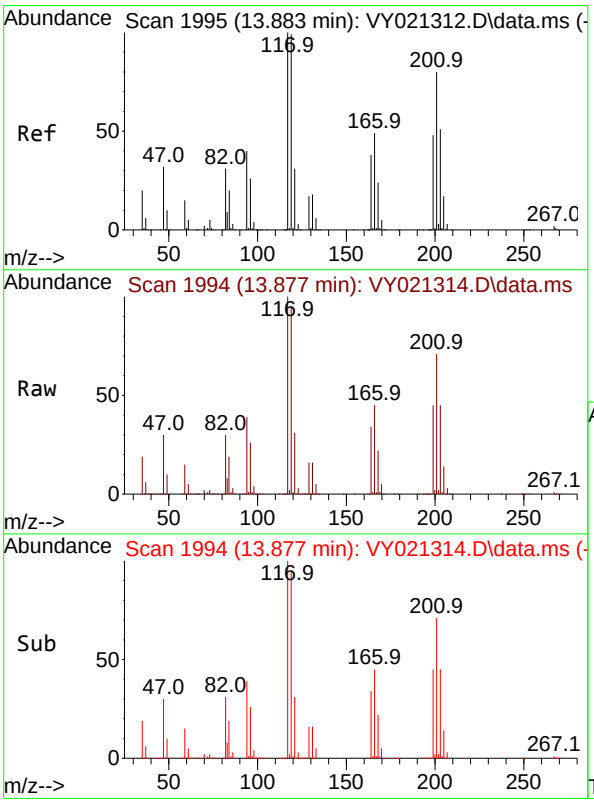
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.2
134	25.7	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

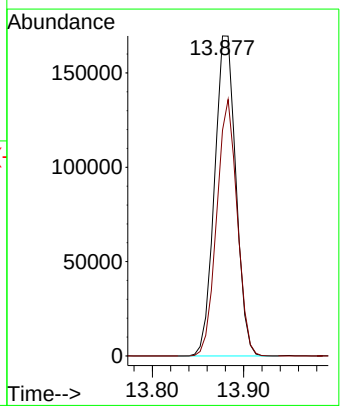
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

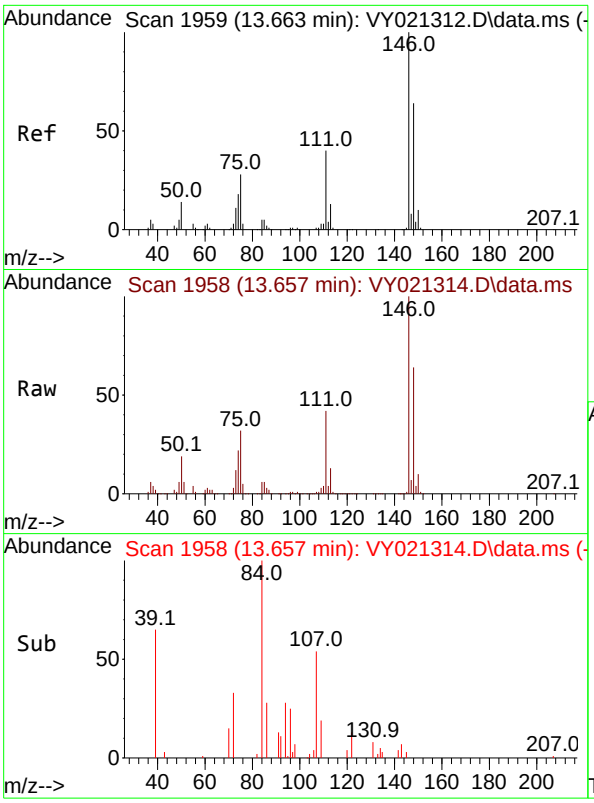


#90
Hexachloroethane
Concen: 159.641 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 275368

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2

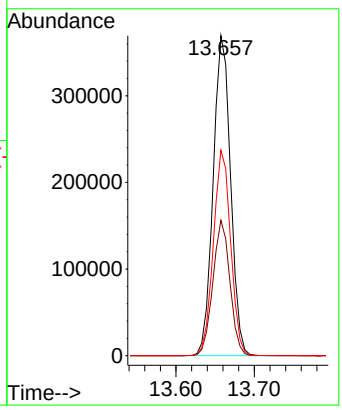




#91
1,2-Dichlorobenzene
Concen: 154.826 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 57036

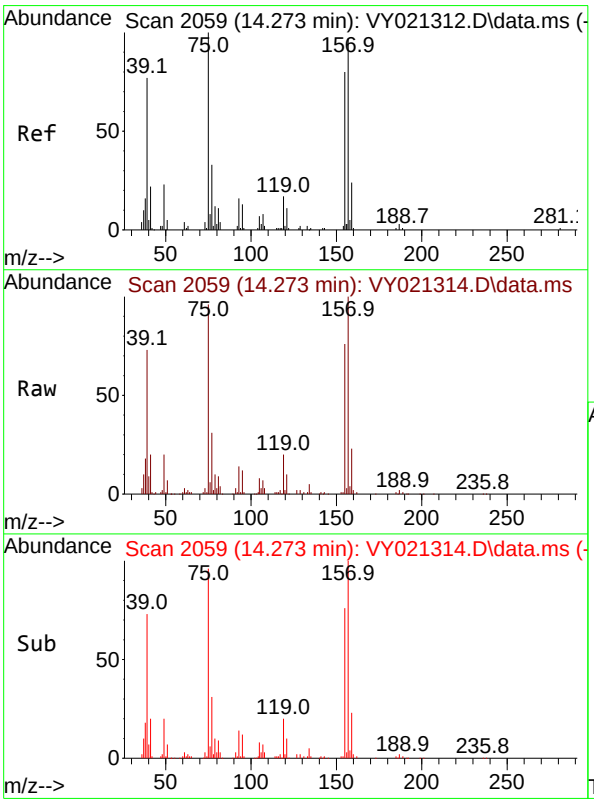
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.8	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

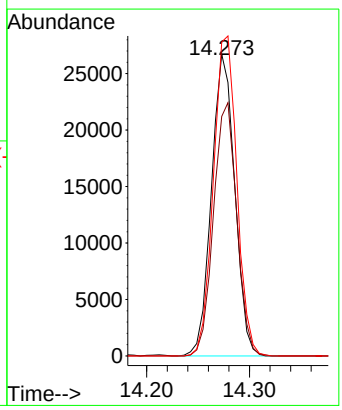
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

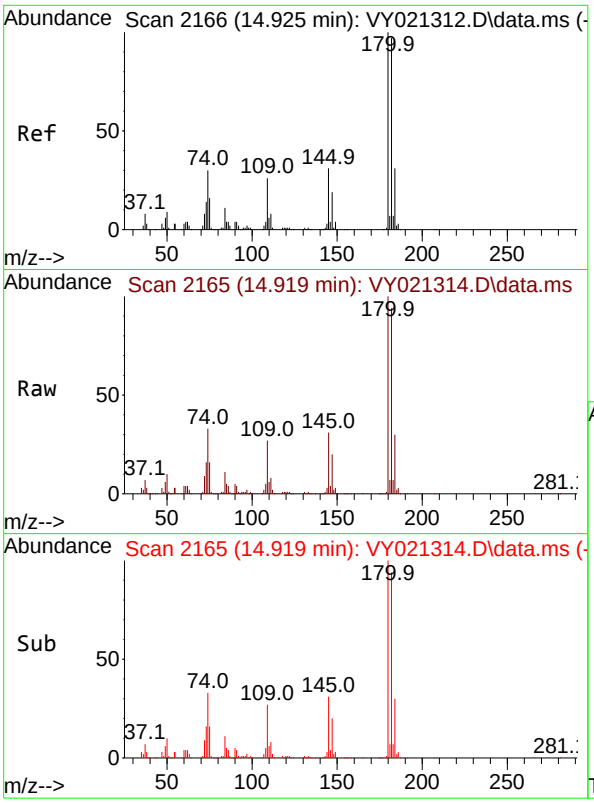


#92
1,2-Dibromo-3-Chloropropane
Concen: 164.851 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 42060

Ion	Ratio	Lower	Upper
75	100		
155	83.5	41.9	125.6
157	106.6	52.5	157.6

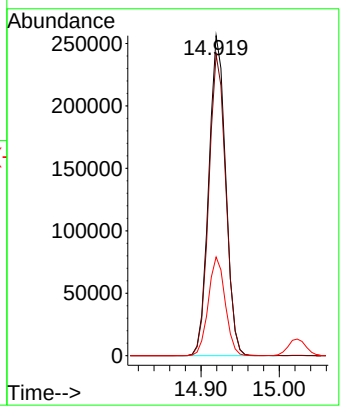




#93
1,2,4-Trichlorobenzene
Concen: 170.860 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:180 Resp: 38416

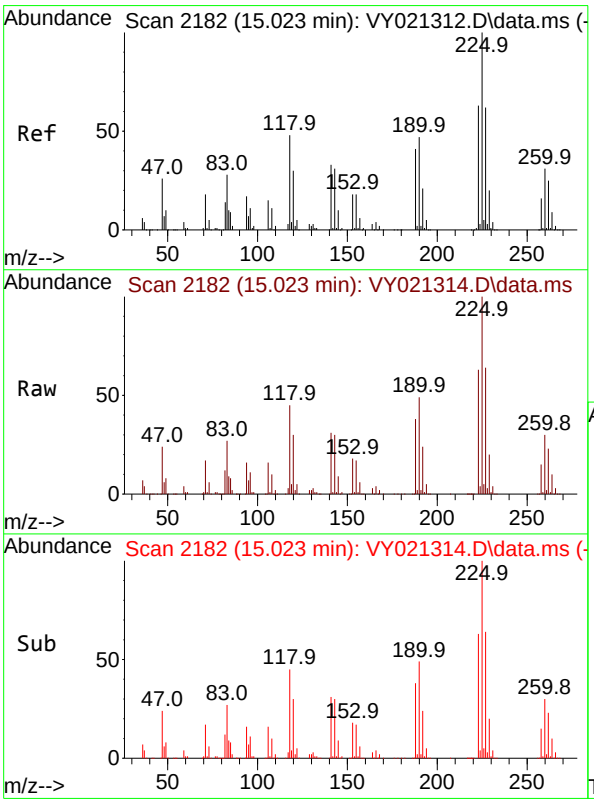
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	30.7	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

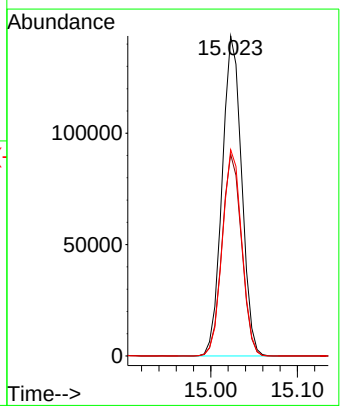
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

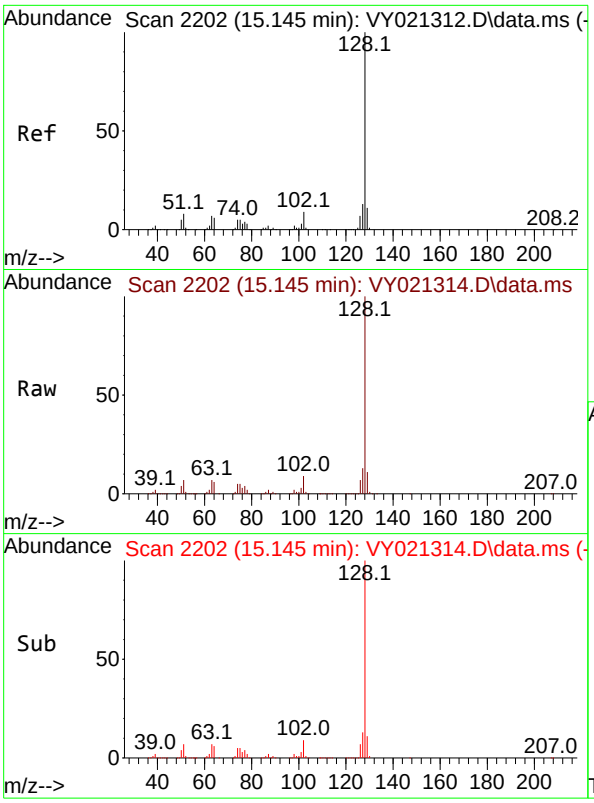


#94
Hexachlorobutadiene
Concen: 158.670 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:225 Resp: 224602

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.4
227	64.2	31.9	95.7

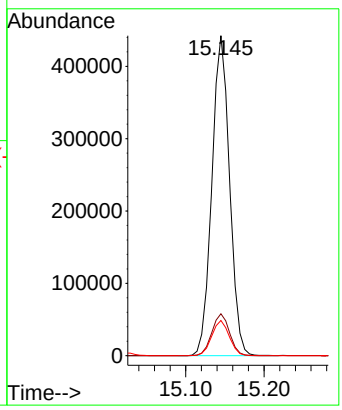




#95
Naphthalene
Concen: 186.517 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:128 Resp: 69462

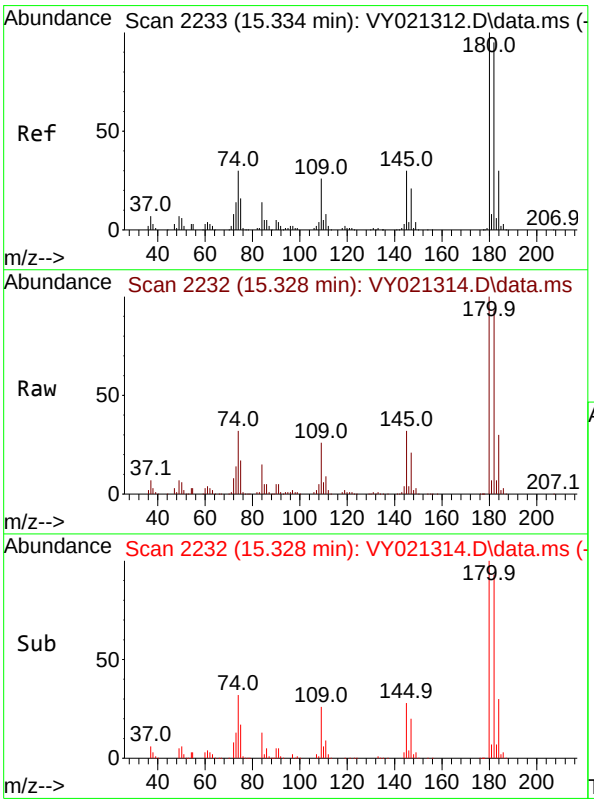
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

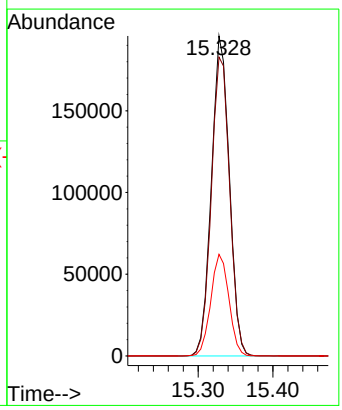
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 172.067 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:180 Resp: 326876

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	32.1	16.1	48.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	190677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	300486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	267150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	208535	96.407	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 192.820%#			
35) Dibromofluoromethane	7.634	113	193803	98.377	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.760%#			
50) Toluene-d8	10.103	98	752895	98.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 197.780%#			
62) 4-Bromofluorobenzene	12.408	95	252327	98.477	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 196.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	170537	94.332	ug/l	97
3) Chloromethane	2.068	50	217555	93.180	ug/l	99
4) Vinyl Chloride	2.202	62	221196	96.523	ug/l	97
5) Bromomethane	2.592	94	136840	89.858	ug/l	100
6) Chloroethane	2.732	64	135372	95.259	ug/l	99
7) Trichlorofluoromethane	3.056	101	331928	95.909	ug/l	95
8) Diethyl Ether	3.452	74	100381	96.637	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	193544	96.593	ug/l	99
10) Methyl Iodide	4.000	142	228728	108.503	ug/l	100
11) Tert butyl alcohol	4.854	59	65742	395.134	ug/l	99
12) 1,1-Dichloroethene	3.787	96	186684	97.304	ug/l	99
13) Acrolein	3.653	56	11267	88.370	ug/l	99
14) Allyl chloride	4.378	41	339203	99.720	ug/l	99
15) Acrylonitrile	5.055	53	219275	477.449	ug/l	99
16) Acetone	3.866	43	196435	473.421	ug/l	99
17) Carbon Disulfide	4.104	76	617661	96.953	ug/l	100
18) Methyl Acetate	4.385	43	95405	94.085	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	498467	98.337	ug/l	99
20) Methylene Chloride	4.616	84	201698	89.894	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	208498	98.718	ug/l	96
22) Diisopropyl ether	6.018	45	697290	99.061	ug/l	97
23) Vinyl Acetate	5.957	43	2103219	500.017	ug/l	99
24) 1,1-Dichloroethane	5.909	63	384030	96.798	ug/l	99
25) 2-Butanone	6.890	43	303077	483.977	ug/l	97
26) 2,2-Dichloropropane	6.884	77	350870	97.467	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	238916	99.061	ug/l	99
28) Bromochloromethane	7.244	49	167271	95.287	ug/l	99
29) Tetrahydrofuran	7.256	42	199056	486.299	ug/l	98
30) Chloroform	7.421	83	387767	96.458	ug/l	99
31) Cyclohexane	7.701	56	351876	92.269	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	353701	96.663	ug/l	98
36) 1,1-Dichloropropene	7.835	75	287472	97.146	ug/l	100
37) Ethyl Acetate	6.982	43	137233	93.230	ug/l	99
38) Carbon Tetrachloride	7.817	117	321576	96.663	ug/l	99
39) Methylcyclohexane	9.109	83	371172	99.169	ug/l	99
40) Benzene	8.079	78	847066	96.835	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	77542	94.219	ug/l		99
42) 1,2-Dichloroethane	8.152	62	236704	95.375	ug/l		100
43) Isopropyl Acetate	8.195	43	280321	98.388	ug/l		99
44) Trichloroethene	8.865	130	212562	97.057	ug/l		99
45) 1,2-Dichloropropane	9.140	63	201701	95.814	ug/l		98
46) Dibromomethane	9.231	93	110814	96.301	ug/l		99
47) Bromodichloromethane	9.420	83	297320	96.904	ug/l		99
48) Methyl methacrylate	9.219	41	135412	101.635	ug/l		99
49) 1,4-Dioxane	9.225	88	24355	1903.504	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	716009	490.938	ug/l		100
52) Toluene	10.170	92	539016	99.189	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	284731	101.290	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	328107	98.870	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	142372	94.975	ug/l		98
56) Ethyl methacrylate	10.438	69	216586	104.564	ug/l		98
57) 1,3-Dichloropropane	10.719	76	255903	97.283	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	530695	533.791	ug/l		100
59) 2-Hexanone	10.761	43	485734	507.115	ug/l		99
60) Dibromochloromethane	10.908	129	199225	97.582	ug/l		99
61) 1,2-Dibromoethane	11.011	107	136284	96.029	ug/l		98
64) Tetrachloroethene	10.646	164	189679	93.936	ug/l		99
65) Chlorobenzene	11.438	112	576109	96.070	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	203696	97.007	ug/l		99
67) Ethyl Benzene	11.517	91	1057129	99.522	ug/l		100
68) m/p-Xylenes	11.627	106	783034	195.986	ug/l		100
69) o-Xylene	11.956	106	370964	99.112	ug/l		100
70) Styrene	11.969	104	619437	99.469	ug/l		99
71) Bromoform	12.133	173	114495	95.313	ug/l	#	99
73) Isopropylbenzene	12.255	105	987758	100.648	ug/l		99
74) N-amyl acetate	12.072	43	258576	103.658	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	162941	94.075	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	123844m	94.206	ug/l		
77) Bromobenzene	12.529	156	223081	97.728	ug/l		98
78) n-propylbenzene	12.596	91	1186751	99.651	ug/l		100
79) 2-Chlorotoluene	12.682	91	666071	97.455	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	794247	98.676	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	58806	100.031	ug/l		99
82) 4-Chlorotoluene	12.779	91	687385	97.022	ug/l		100
83) tert-Butylbenzene	12.999	119	720480	99.092	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	795840	99.415	ug/l		100
85) sec-Butylbenzene	13.176	105	1041022	98.021	ug/l		100
86) p-Isopropyltoluene	13.291	119	881757	99.431	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	435489	96.445	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	425301	95.343	ug/l		99
89) n-Butylbenzene	13.621	91	840236	100.683	ug/l		100
90) Hexachloroethane	13.883	117	181015	97.720	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	377453	95.410	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	26541	96.867	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	248146	102.770	ug/l		100
94) Hexachlorobutadiene	15.023	225	147103	96.770	ug/l		99
95) Naphthalene	15.145	128	436817	109.220	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	211313	103.581	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

ICAL Form

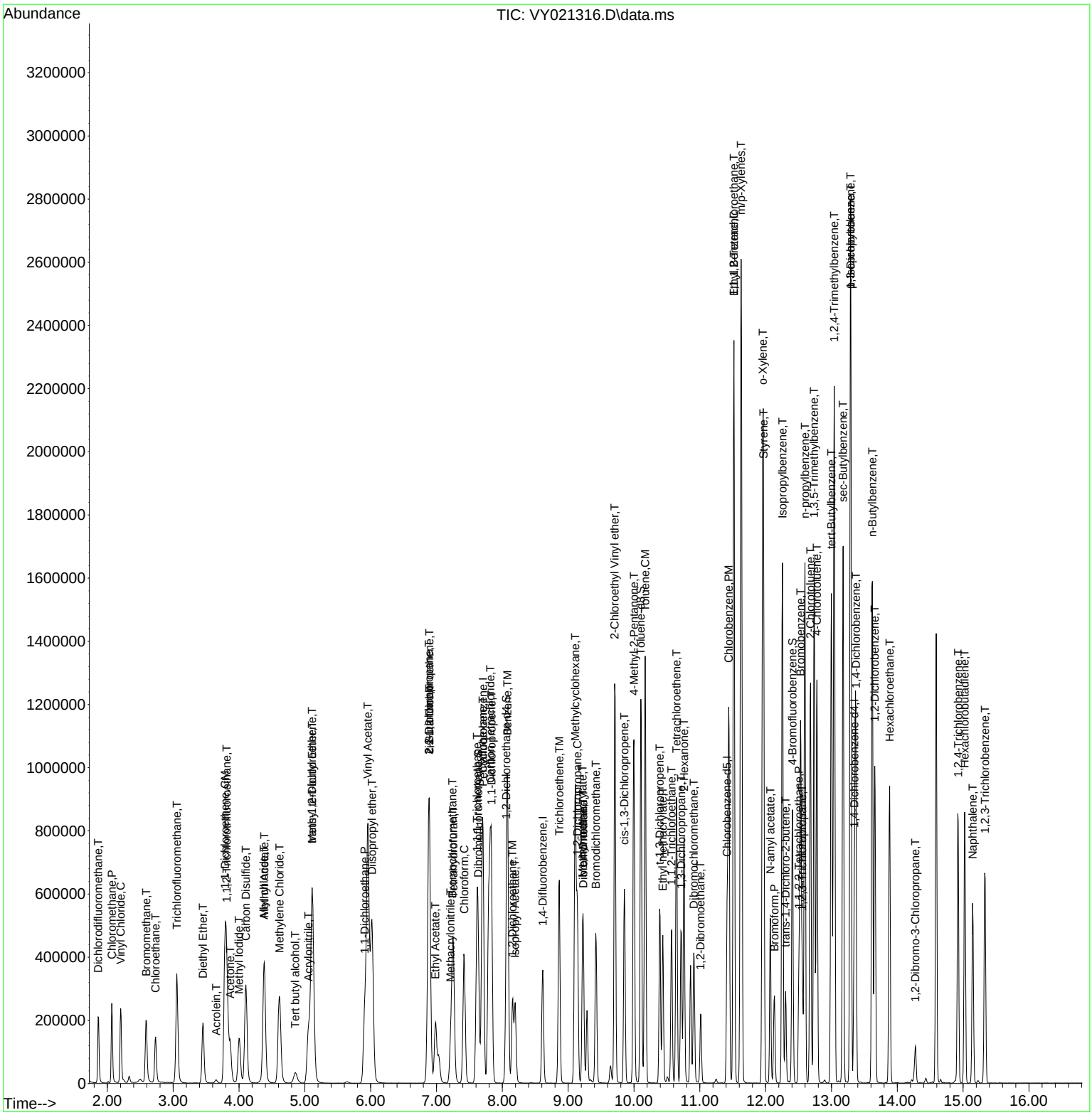
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

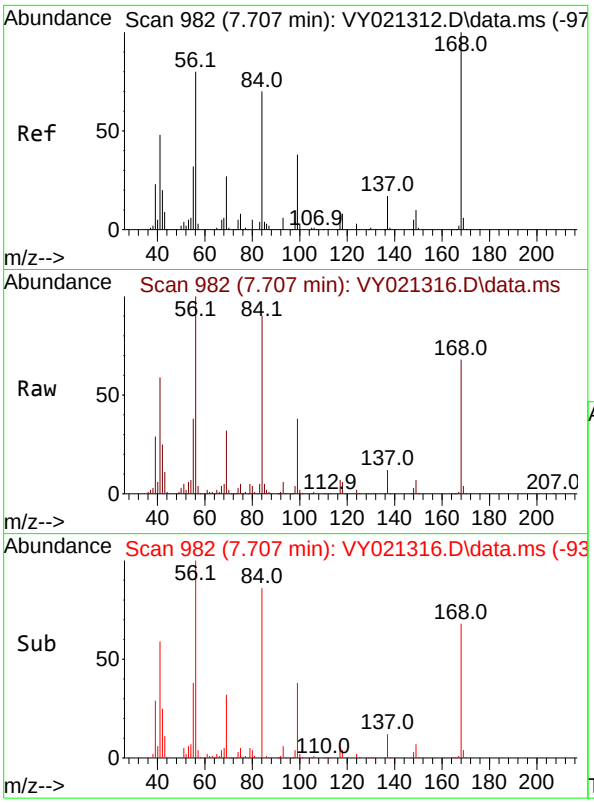
Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

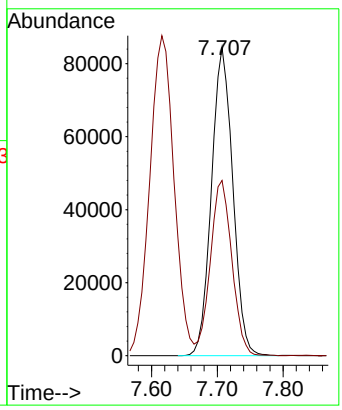




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:168 Resp: 19067

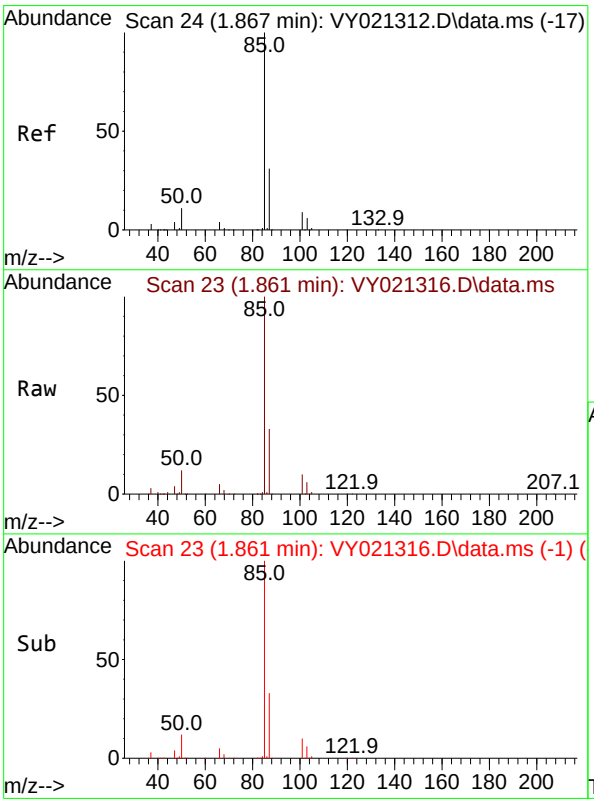
Ion	Ratio	Lower	Upper
168	100		
99	56.8	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

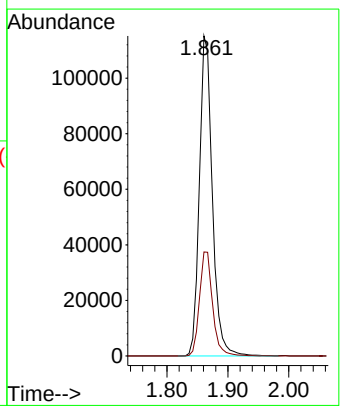
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

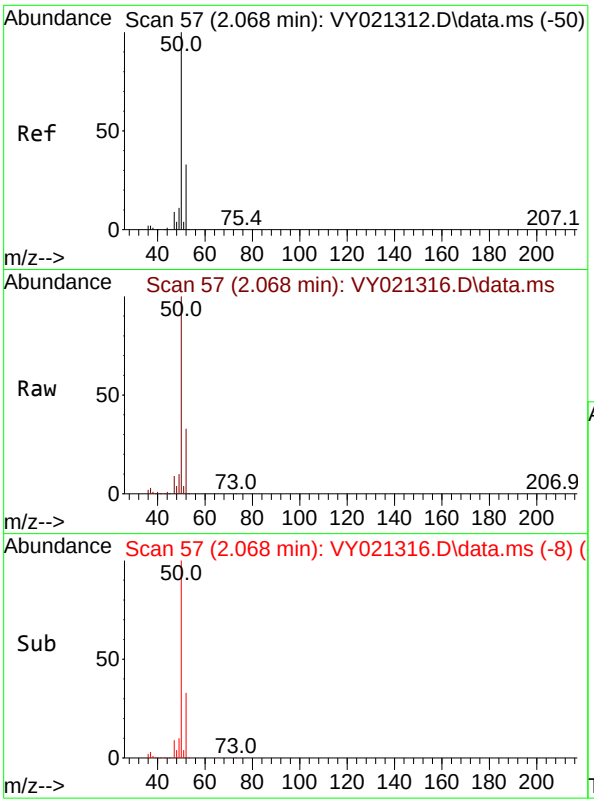


#2
Dichlorodifluoromethane
Concen: 94.332 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 85 Resp: 170537

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.4	46.4

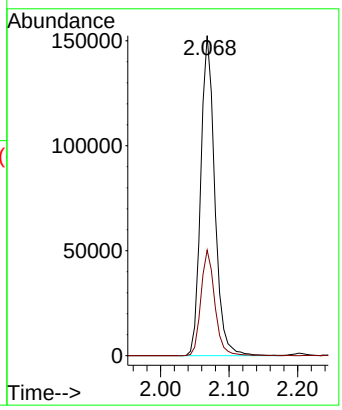




#3
Chloromethane
Concen: 93.180 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 50 Resp: 21755

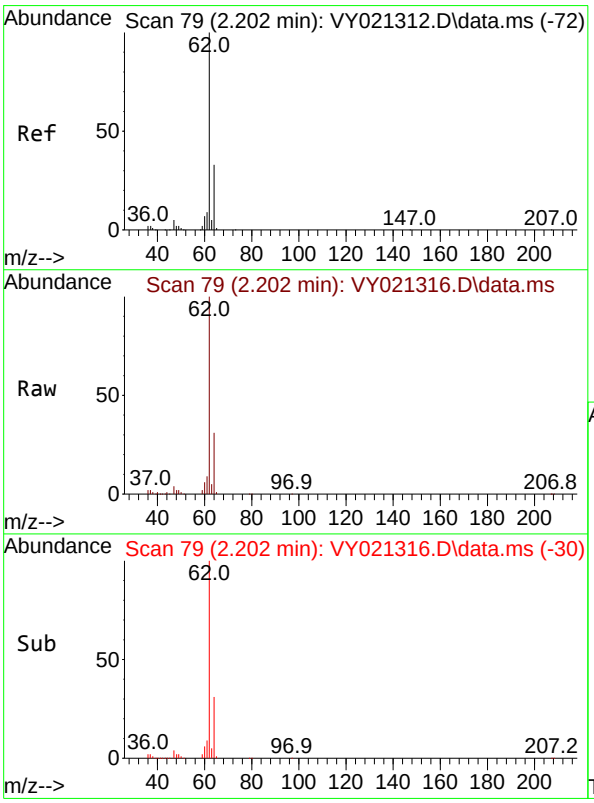
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

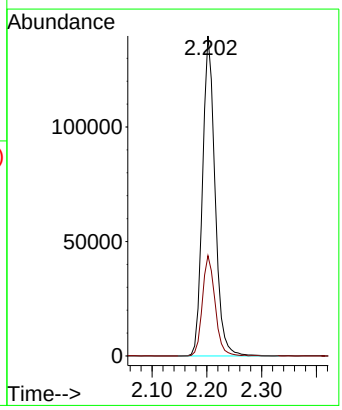
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

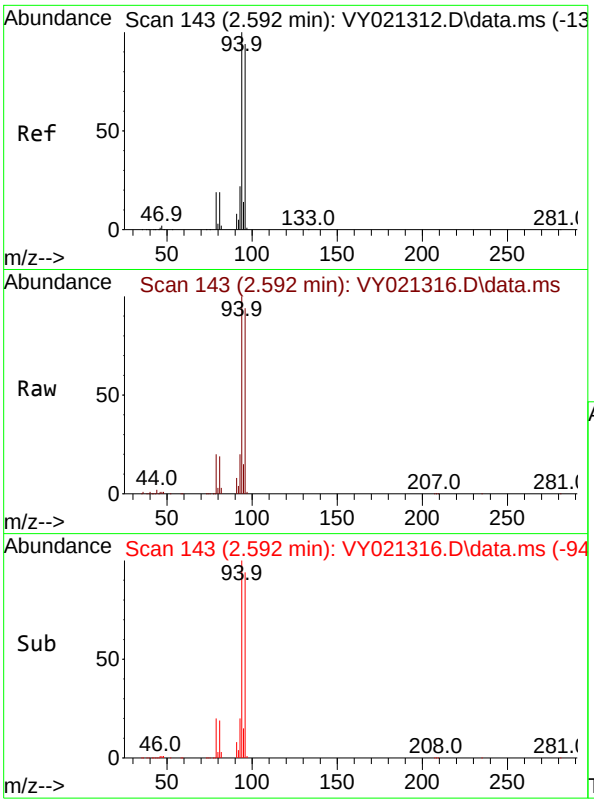


#4
Vinyl Chloride
Concen: 96.523 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 221196

Ion	Ratio	Lower	Upper
62	100		
64	31.4	26.3	39.5





#5
Bromomethane
Concen: 89.858 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

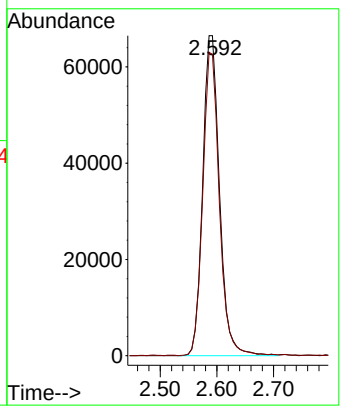
Tgt Ion: 94 Resp: 13684

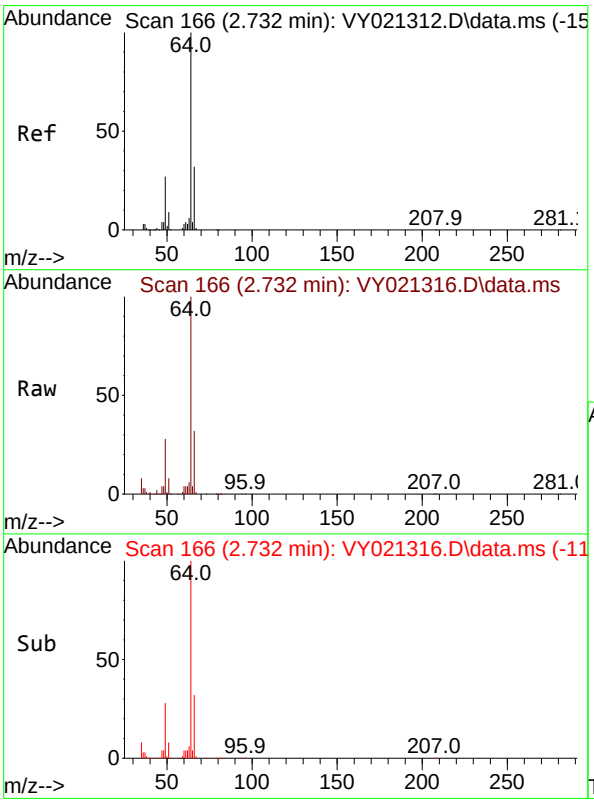
Ion	Ratio	Lower	Upper
94	100		
96	94.2	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

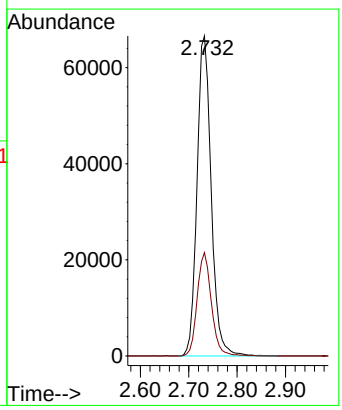


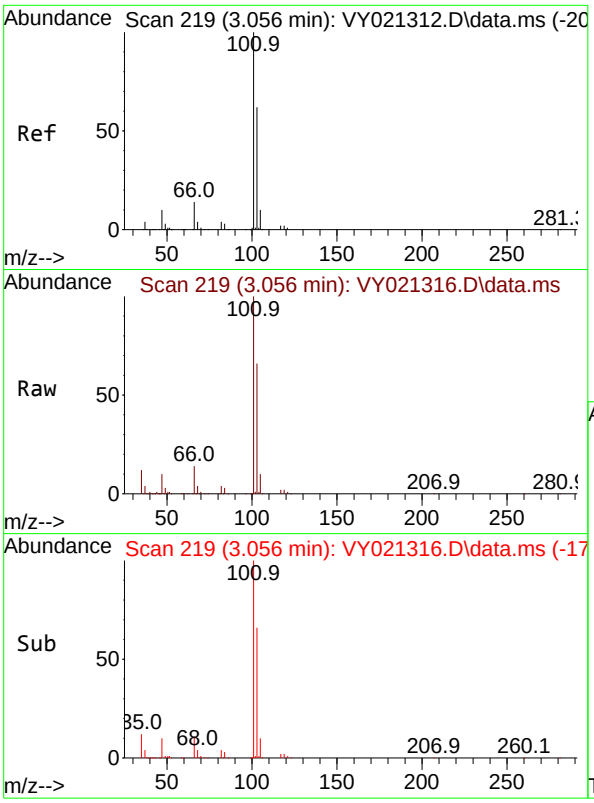


#6
Chloroethane
Concen: 95.259 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 64 Resp: 135372

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.4	38.0

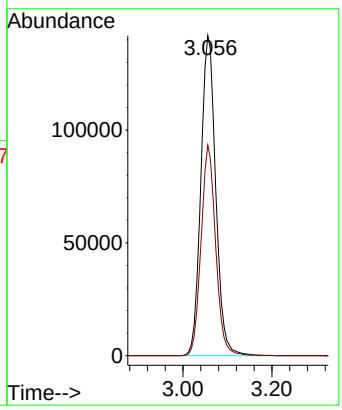




#7
Trichlorofluoromethane
Concen: 95.909 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:101 Resp: 33192

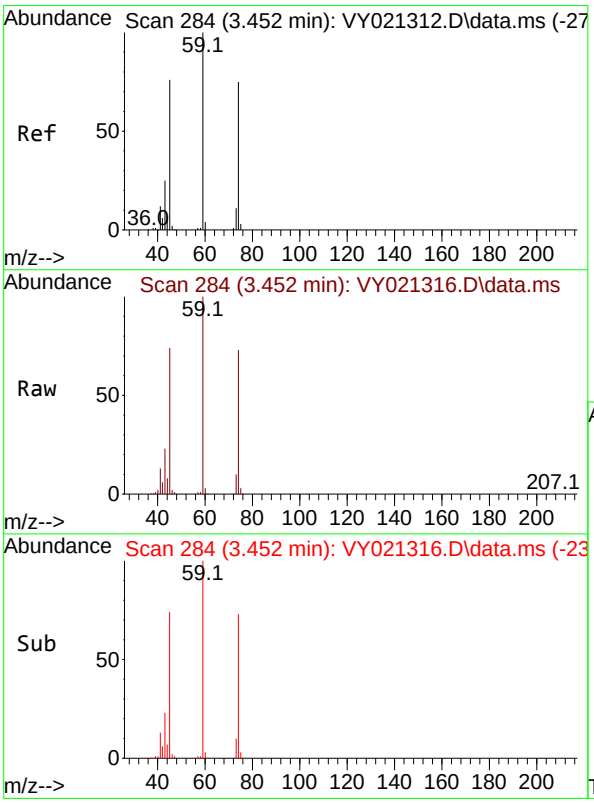
Ion	Ratio	Lower	Upper
101	100		
103	65.7	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

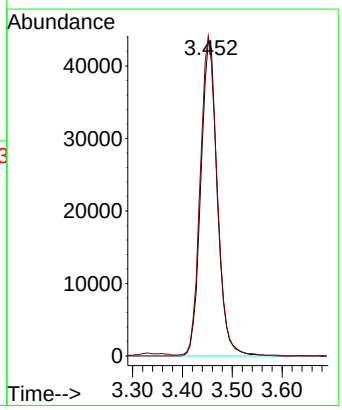
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

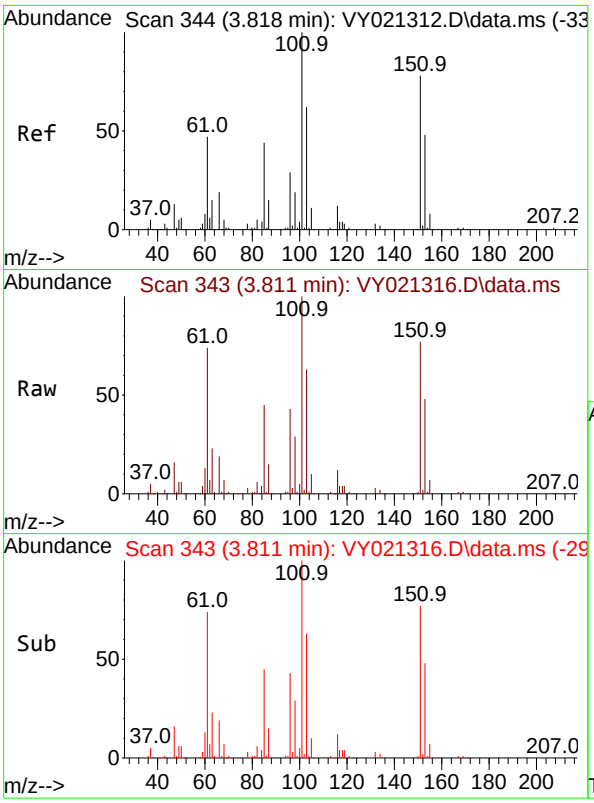


#8
Diethyl Ether
Concen: 96.637 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 74 Resp: 100381

Ion	Ratio	Lower	Upper
74	100		
45	104.0	50.3	150.9

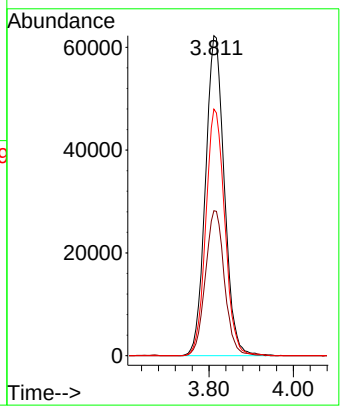




#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.593 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:101 Resp: 19354

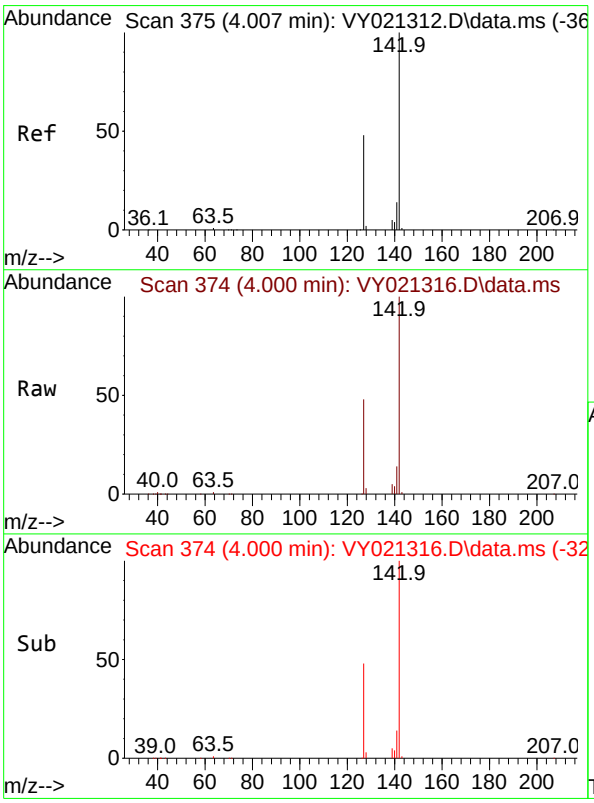
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.7	55.1
151	77.3	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

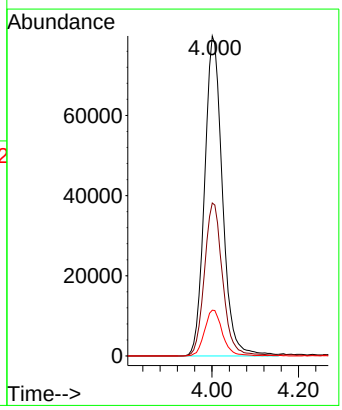
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

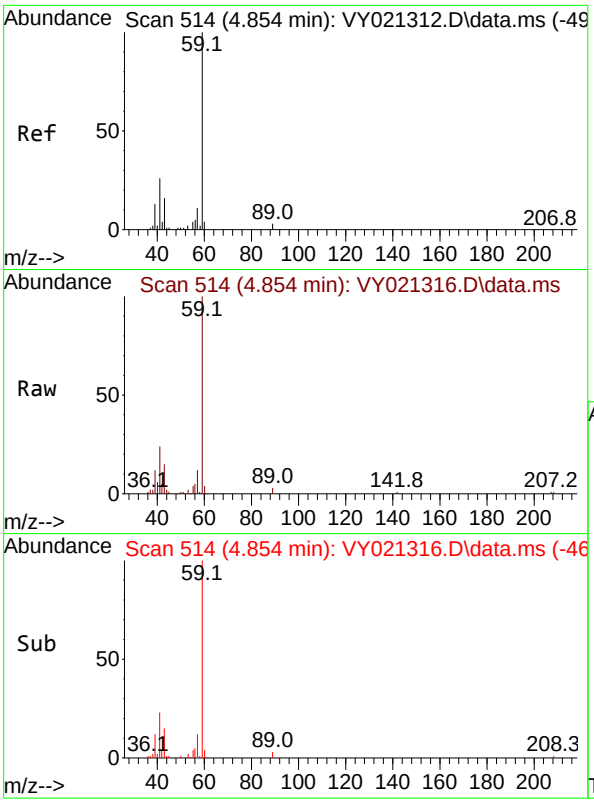


#10
Methyl Iodide
Concen: 108.503 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:142 Resp: 228728

Ion	Ratio	Lower	Upper
142	100		
127	48.8	39.2	58.8
141	14.3	11.4	17.2

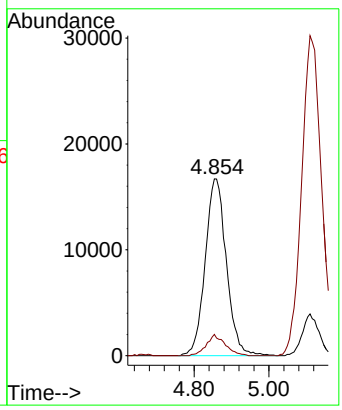




#11
Tert butyl alcohol
Concen: 395.134 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 59 Resp: 6574

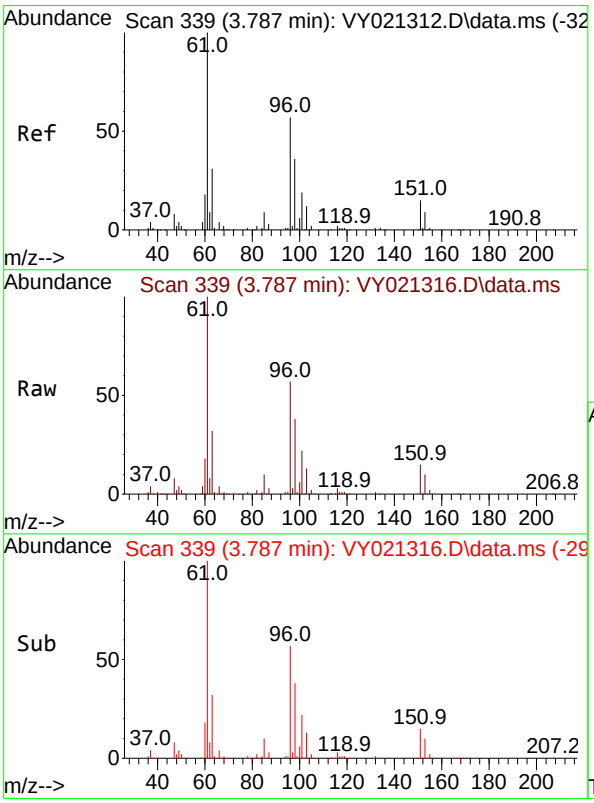
Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

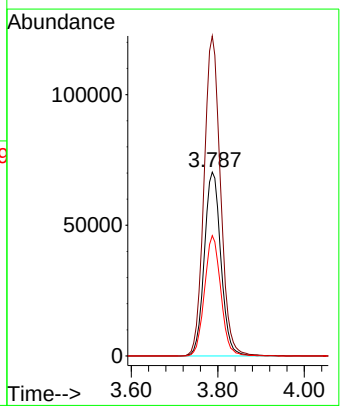
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

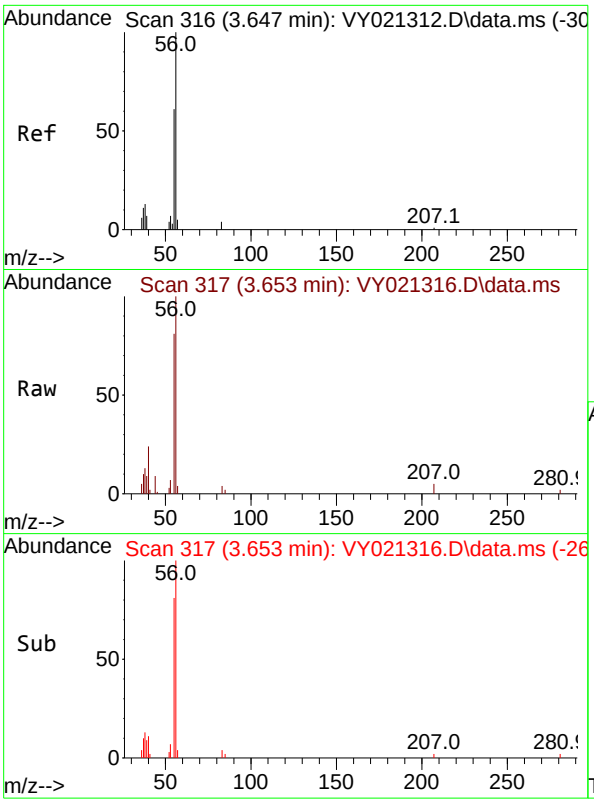


#12
1,1-Dichloroethene
Concen: 97.304 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 186684

Ion	Ratio	Lower	Upper
96	100		
61	174.1	139.7	209.5
98	65.5	49.7	74.5

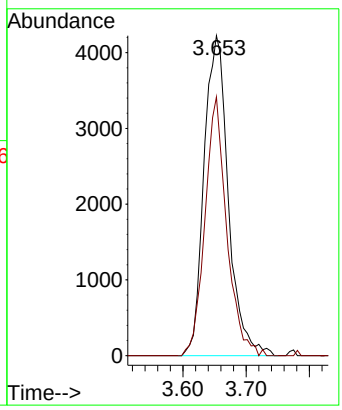




#13
Acrolein
Concen: 88.370 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 56 Resp: 1126

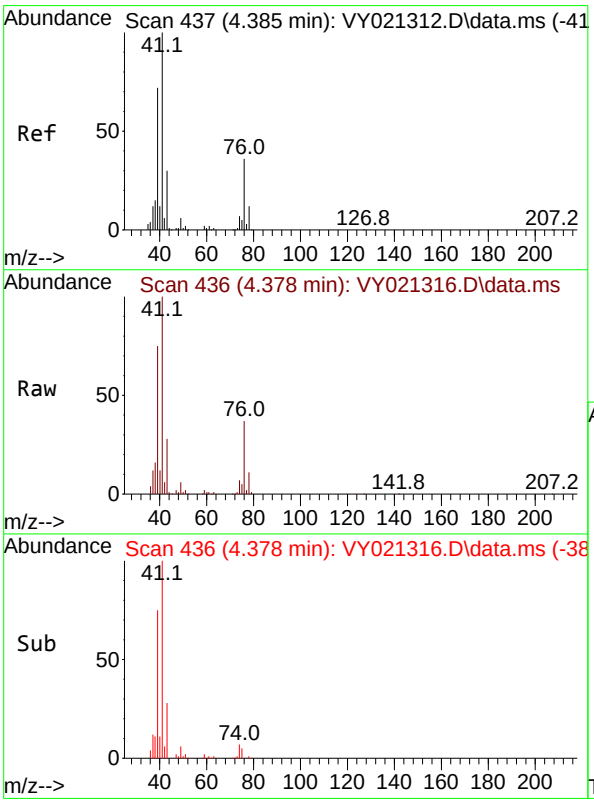
Ion	Ratio	Lower	Upper
56	100		
55	72.5	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

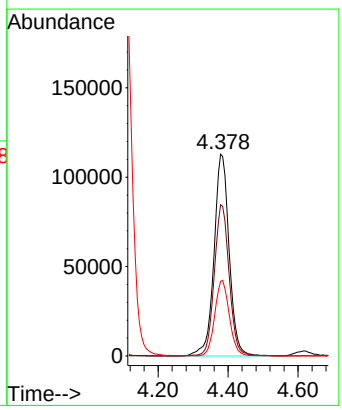
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

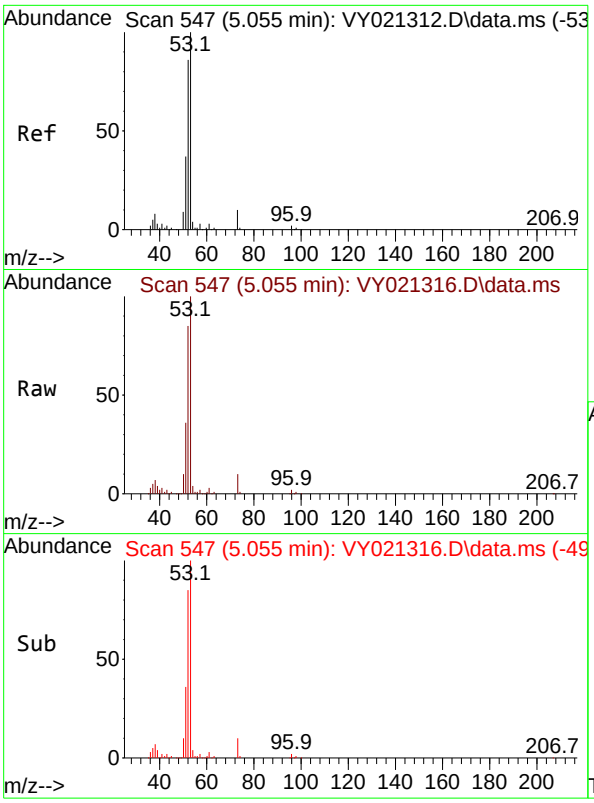


#14
Allyl chloride
Concen: 99.720 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 339203

Ion	Ratio	Lower	Upper
41	100		
39	73.6	60.0	90.0
76	36.1	29.0	43.6





#15
Acrylonitrile
Concen: 477.449 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

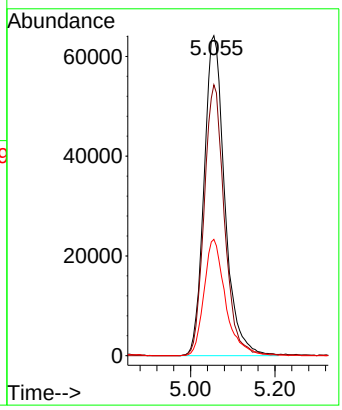
Tgt Ion: 53 Resp: 21927

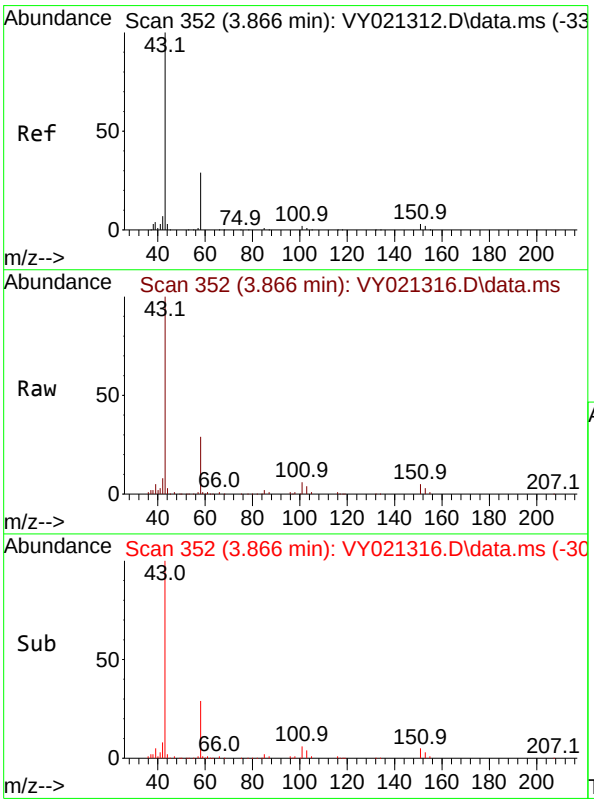
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.5	98.3
51	37.9	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

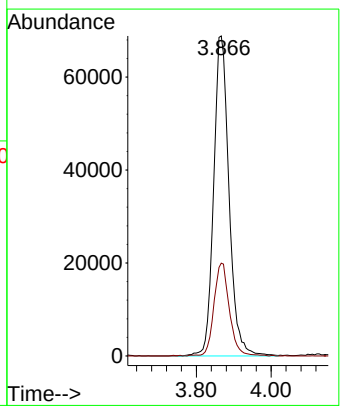


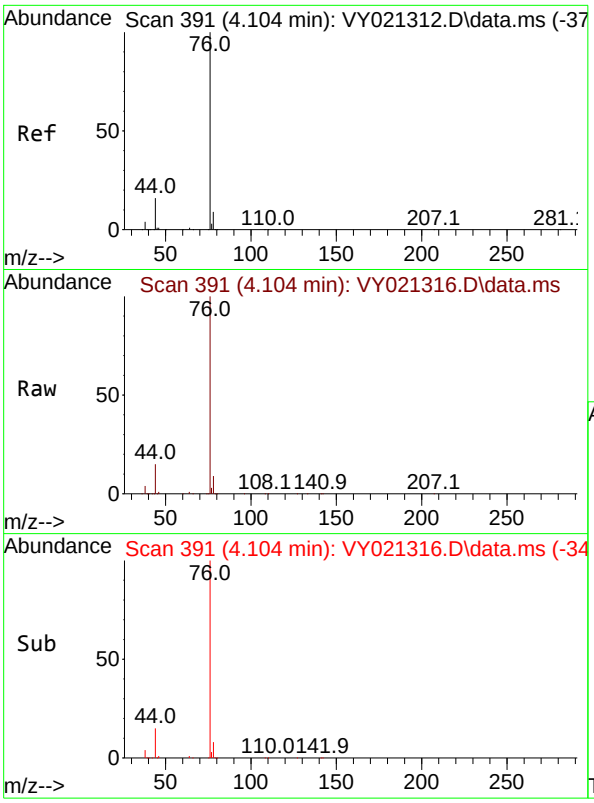


#16
Acetone
Concen: 473.421 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 196435

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.5	35.3





#17
Carbon Disulfide
Concen: 96.953 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

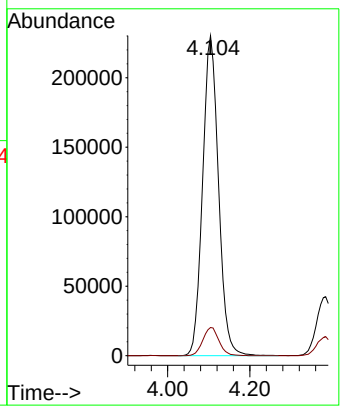
Tgt Ion: 76 Resp: 61766

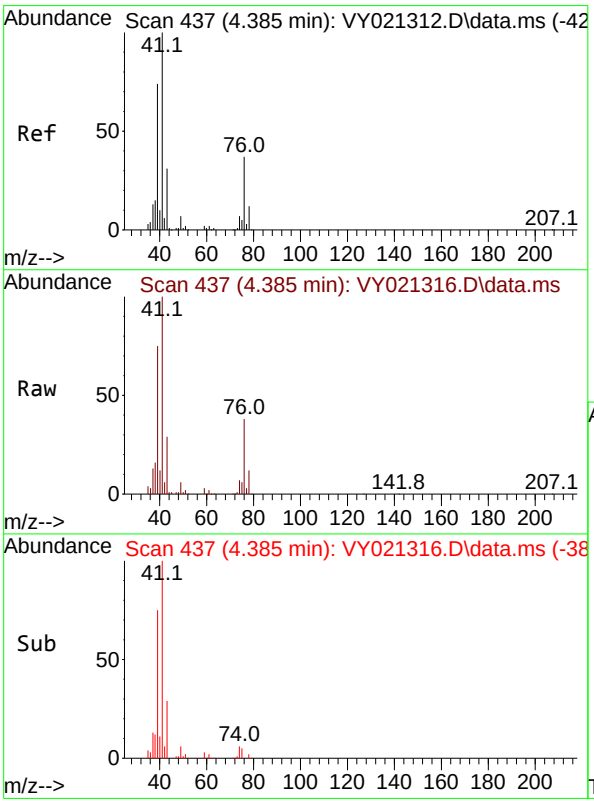
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

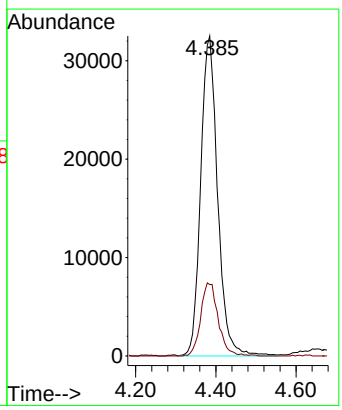


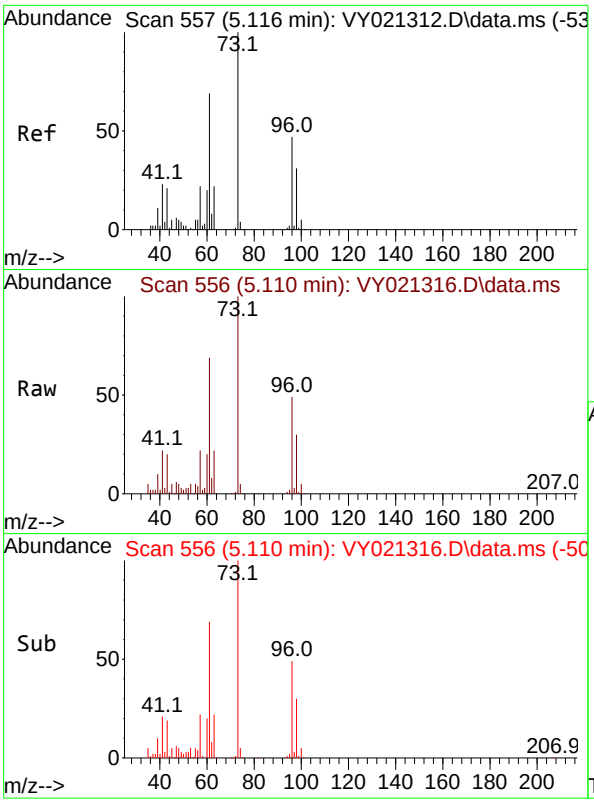


#18
Methyl Acetate
Concen: 94.085 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 95405

Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.7	26.5

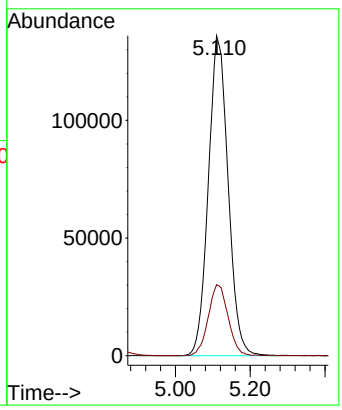




#19
Methyl tert-butyl Ether
Concen: 98.337 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 73 Resp: 49846

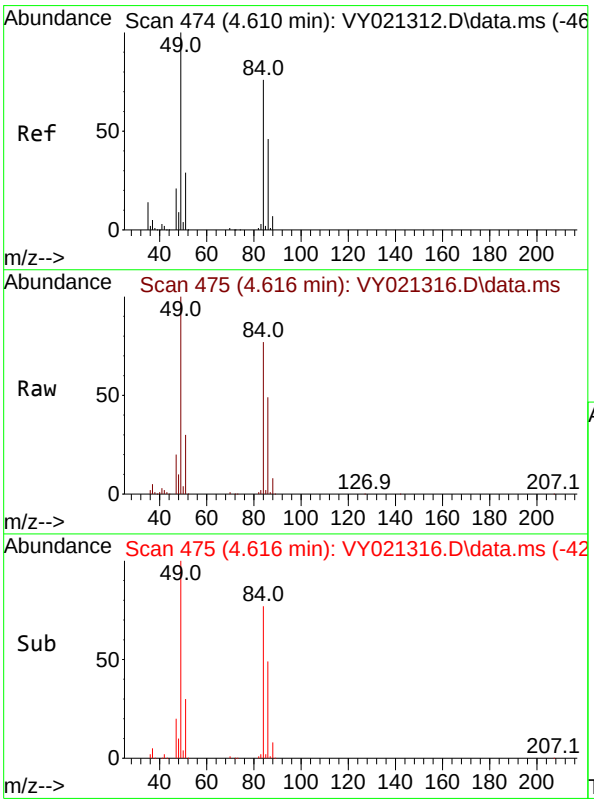
Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

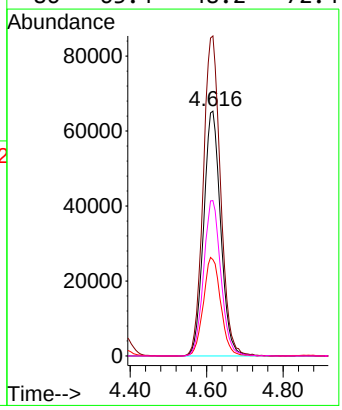
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

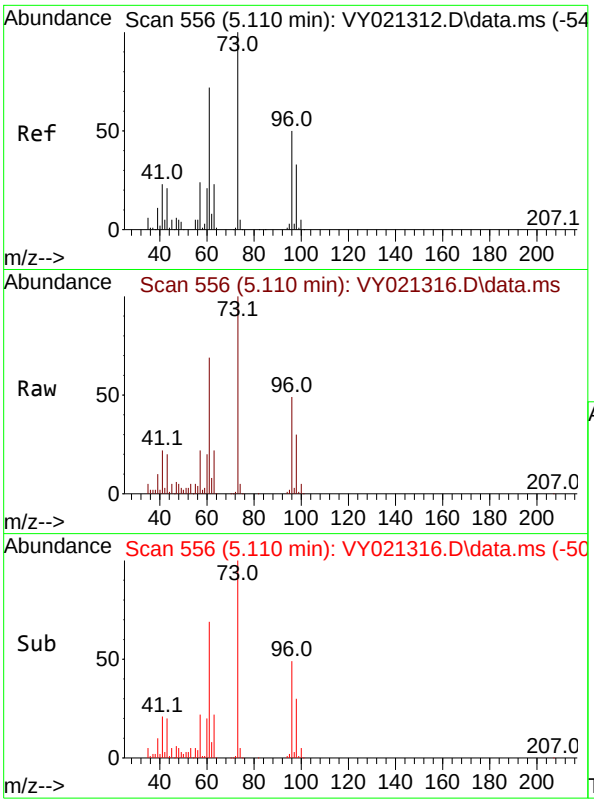


#20
Methylene Chloride
Concen: 89.894 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 84 Resp: 201698

Ion	Ratio	Lower	Upper
84	100		
49	130.7	105.1	157.7
51	39.3	31.0	46.4
86	63.4	48.2	72.4

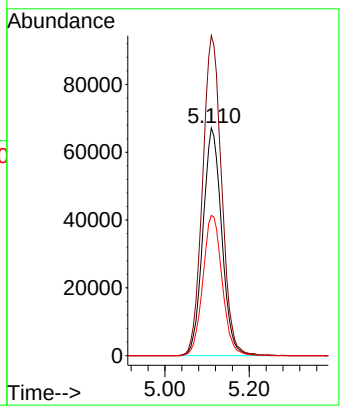




#21
trans-1,2-Dichloroethene
Concen: 98.718 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 20849

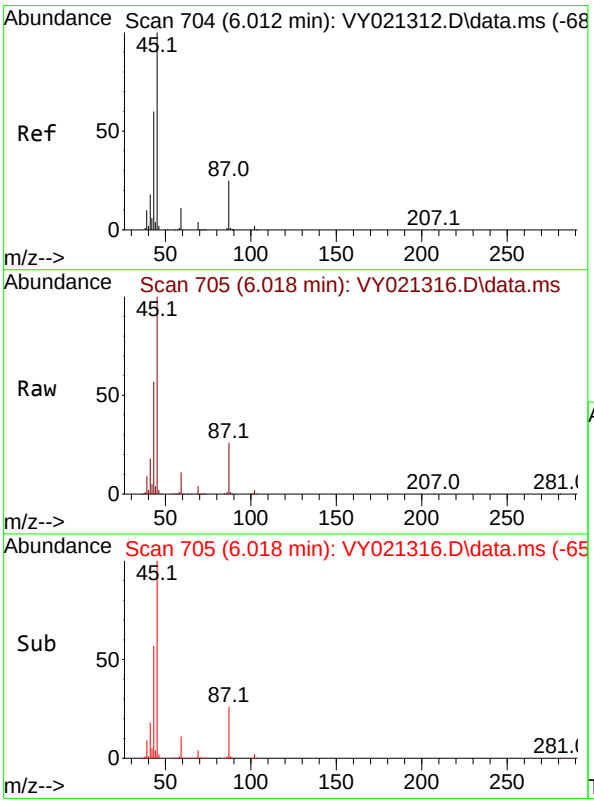
Ion	Ratio	Lower	Upper
96	100		
61	140.5	116.3	174.5
98	61.7	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

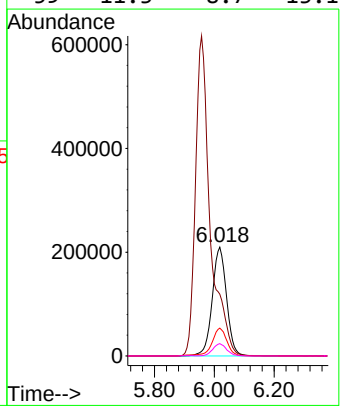
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

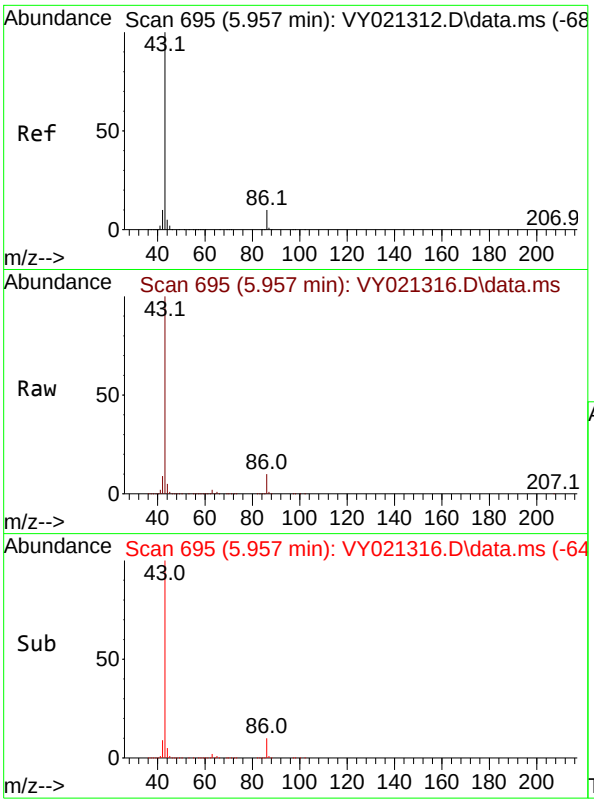


#22
Diisopropyl ether
Concen: 99.061 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 45 Resp: 697290

Ion	Ratio	Lower	Upper
45	100		
43	56.7	48.2	72.4
87	25.6	20.3	30.5
59	11.3	8.7	13.1





#23
Vinyl Acetate
Concen: 500.017 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

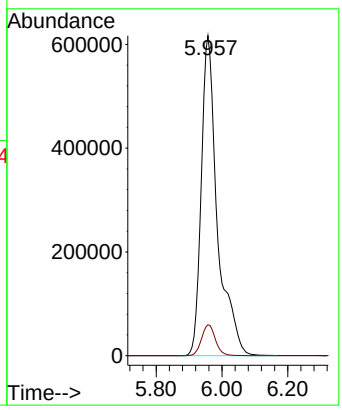
Tgt Ion: 43 Resp: 210321

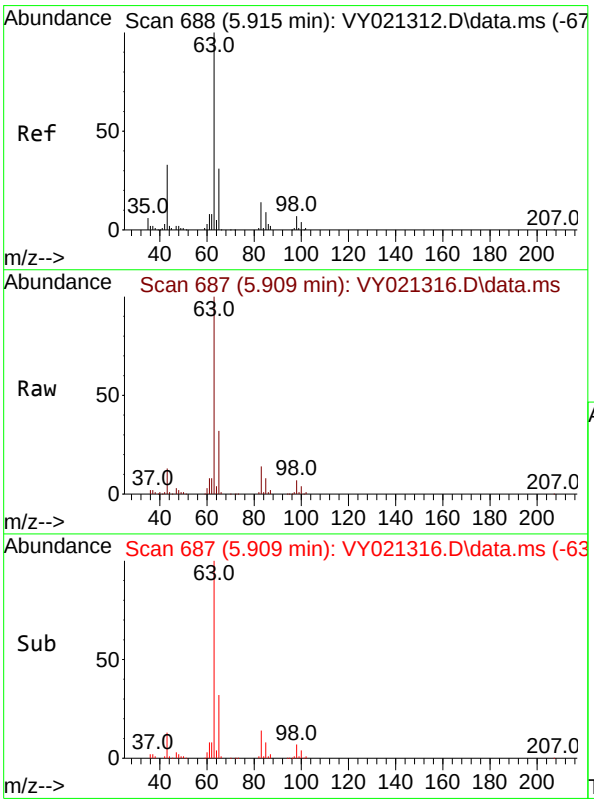
Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

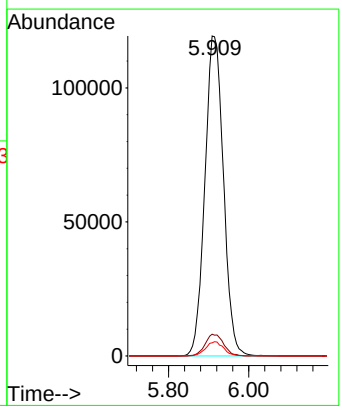


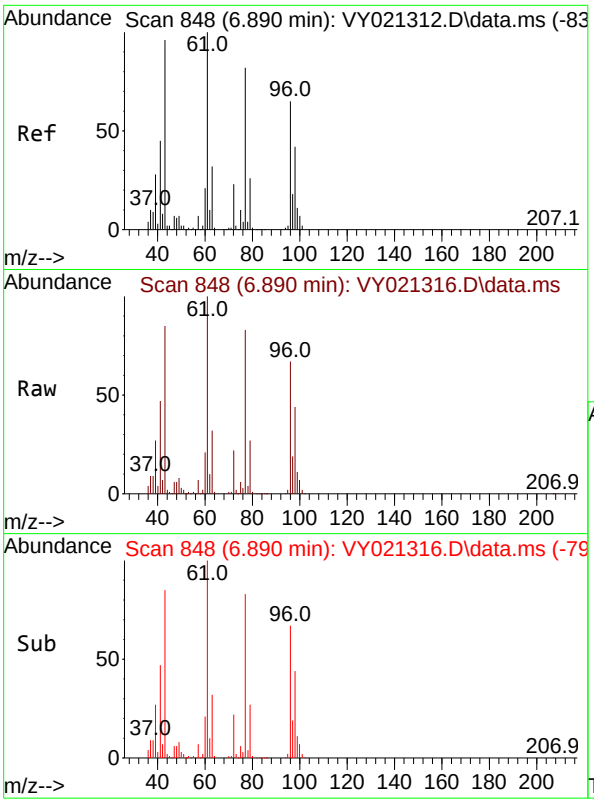


#24
1,1-Dichloroethane
Concen: 96.798 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 384030

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.7	11.1
100	4.1	2.1	6.5





#25
2-Butanone
Concen: 483.977 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

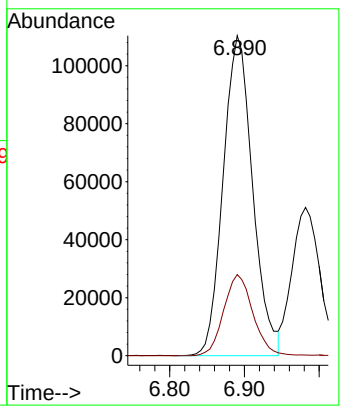
Tgt Ion: 43 Resp: 30307

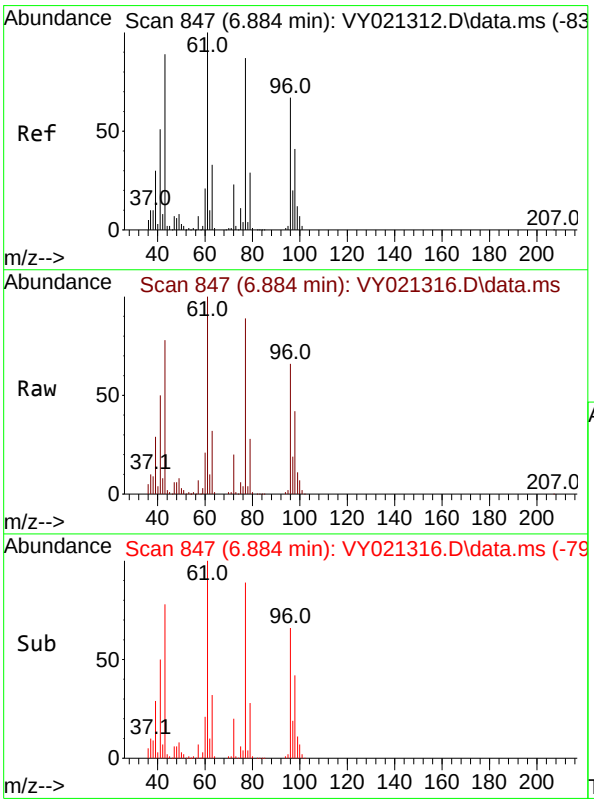
Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

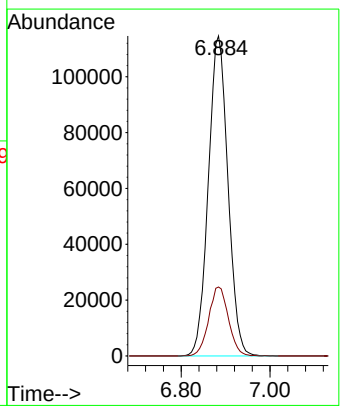


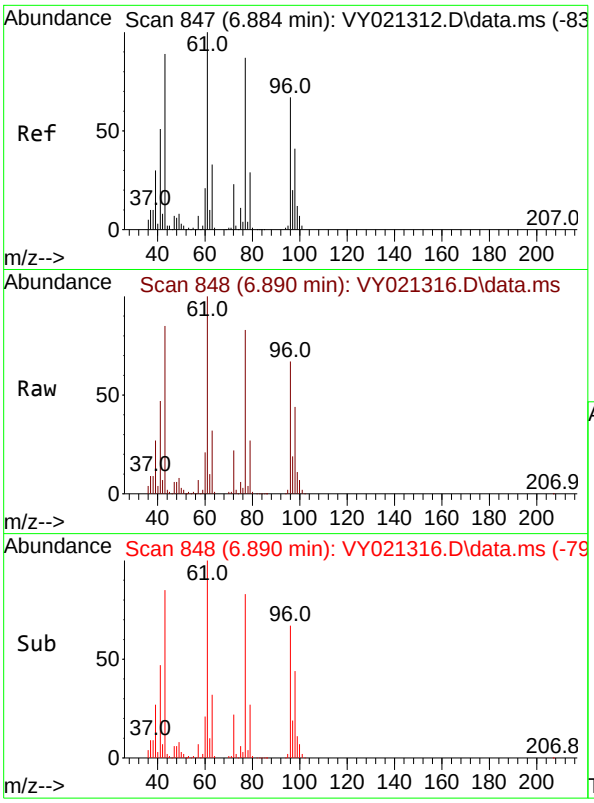


#26
2,2-Dichloropropane
Concen: 97.467 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 77 Resp: 350870

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7

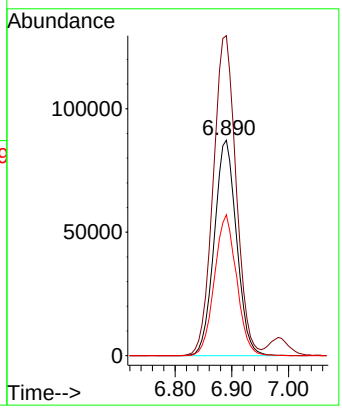




#27
cis-1,2-Dichloroethene
Concen: 99.061 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 23891(

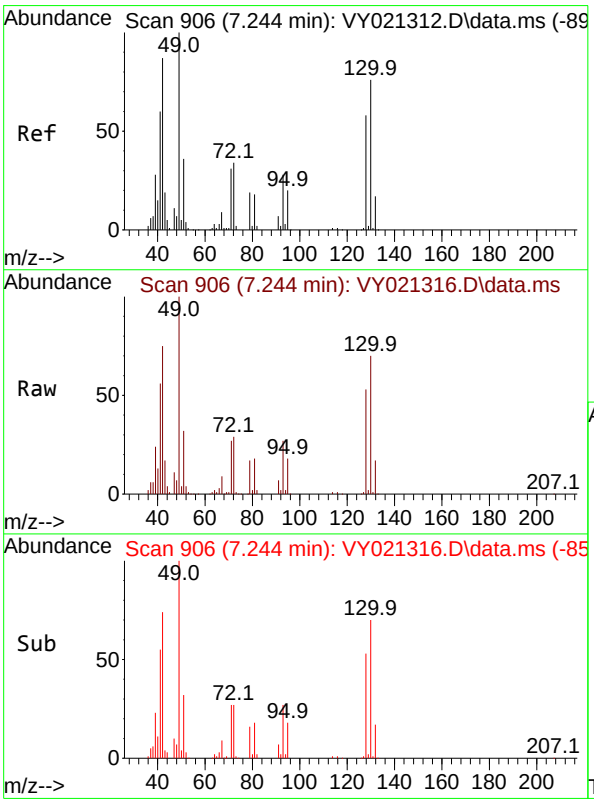
Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	308.0
98	64.8	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

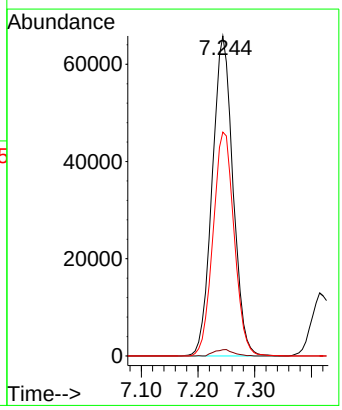
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

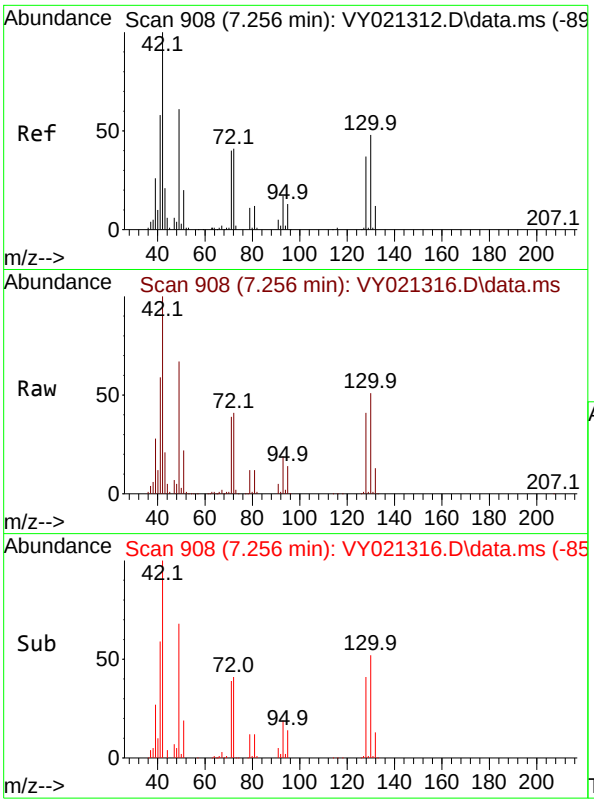


#28
Bromochloromethane
Concen: 95.287 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 49 Resp: 167271

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	71.2	57.8	86.6

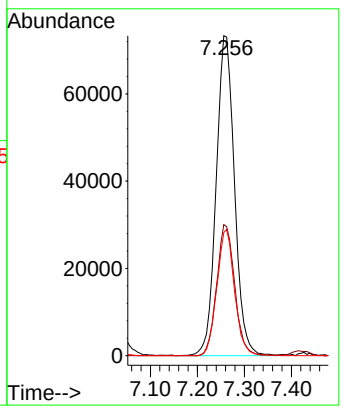




#29
Tetrahydrofuran
Concen: 486.299 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 42 Resp: 19905

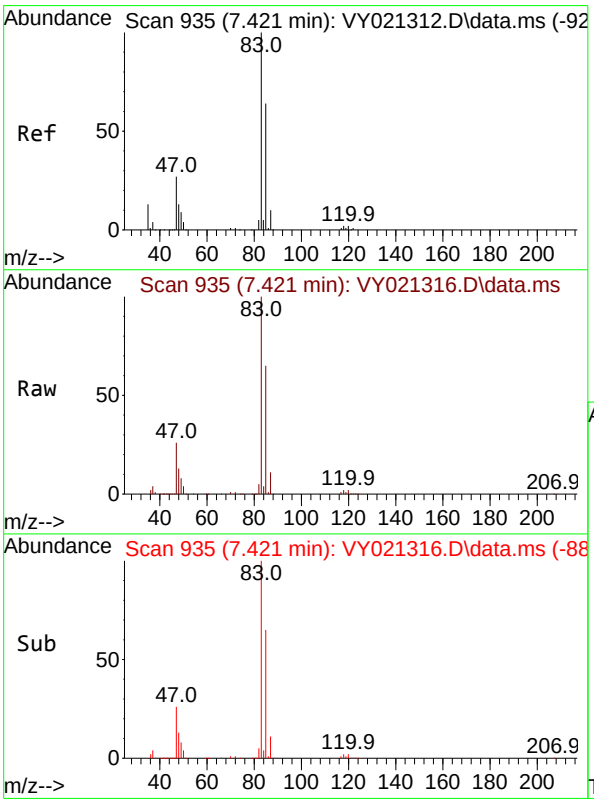
Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.1	49.7
71	37.9	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

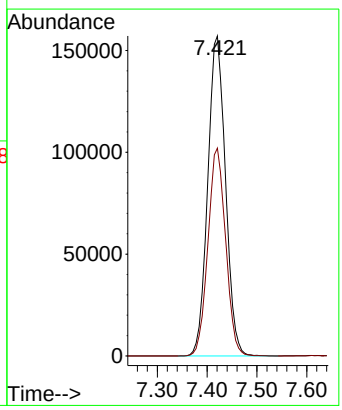
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

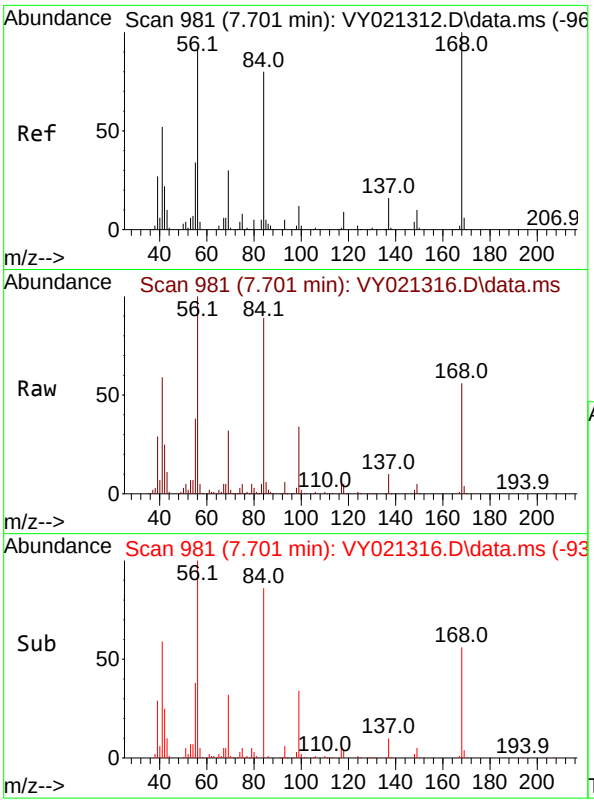


#30
Chloroform
Concen: 96.458 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 387767

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4





#31
Cyclohexane
Concen: 92.269 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

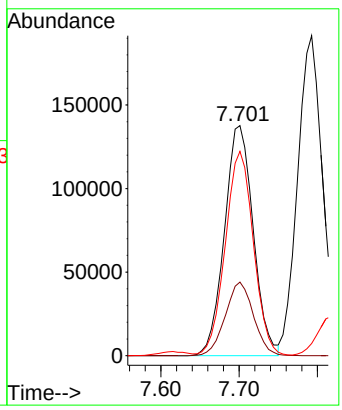
Tgt Ion: 56 Resp: 35187

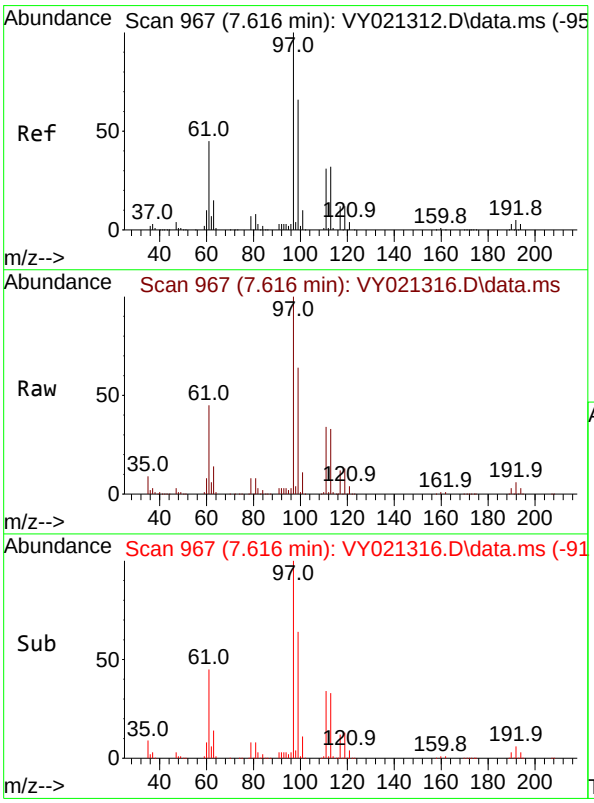
Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.2	39.4
84	87.4	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

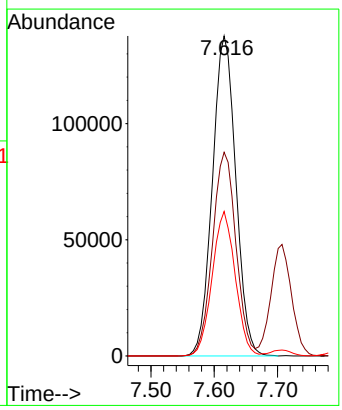


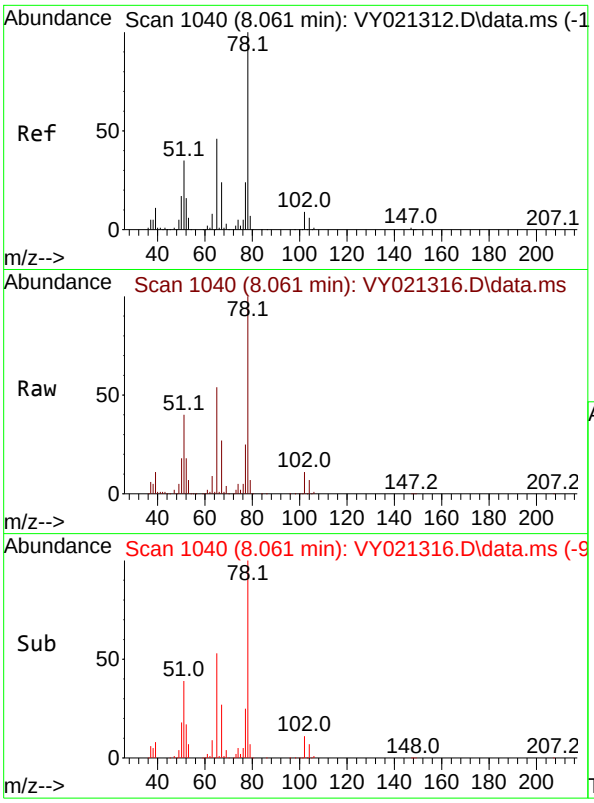


#32
1,1,1-Trichloroethane
Concen: 96.663 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 97 Resp: 353701

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.4	78.6
61	44.5	36.2	54.2

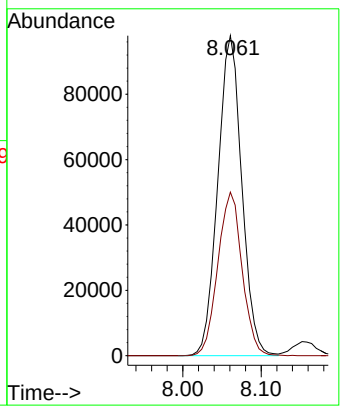




#33
1,2-Dichloroethane-d4
Concen: 96.407 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 65 Resp: 20853

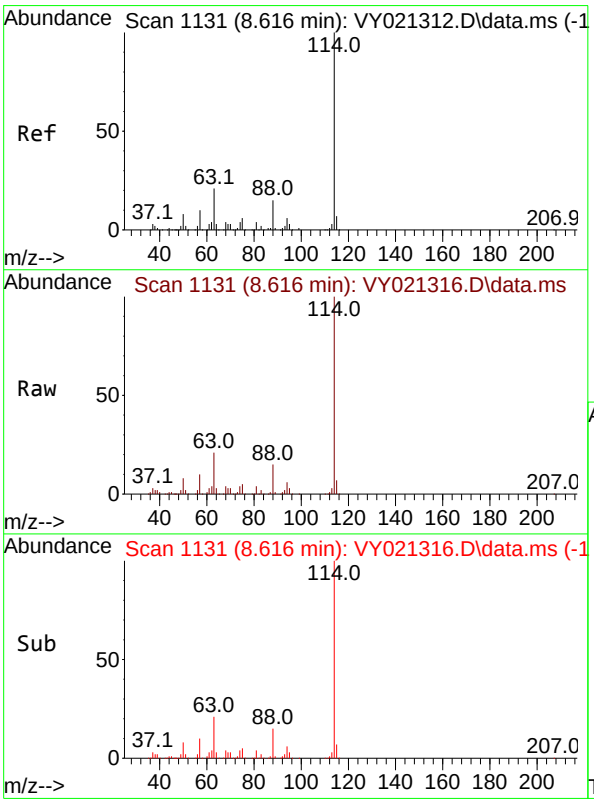
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

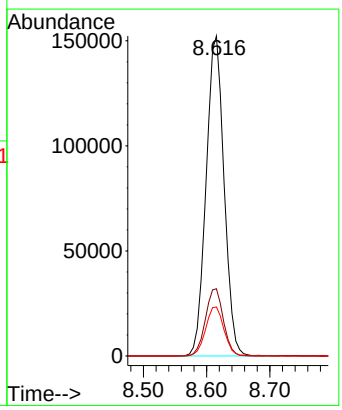
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

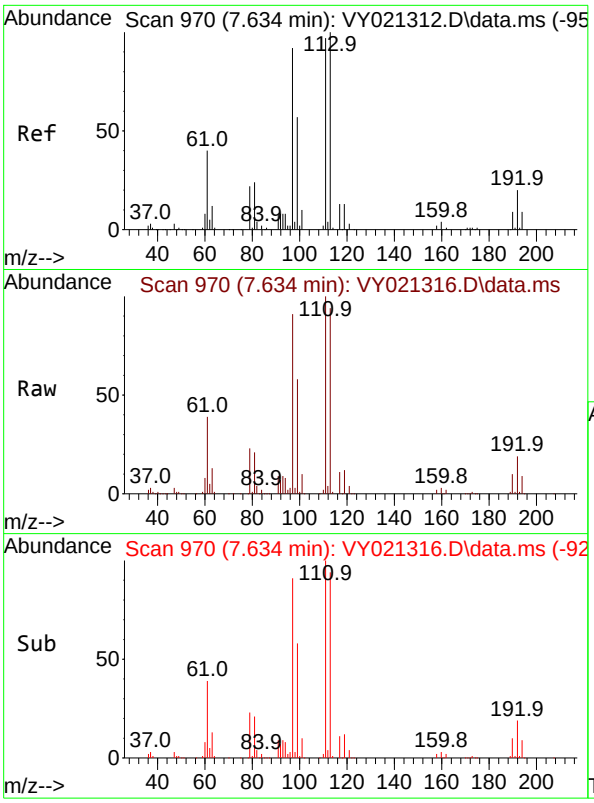


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:114 Resp: 300486

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.2
88	15.3	0.0	29.8

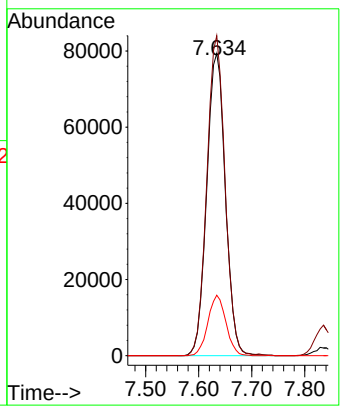




#35
Dibromofluoromethane
Concen: 98.377 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:113 Resp: 19380

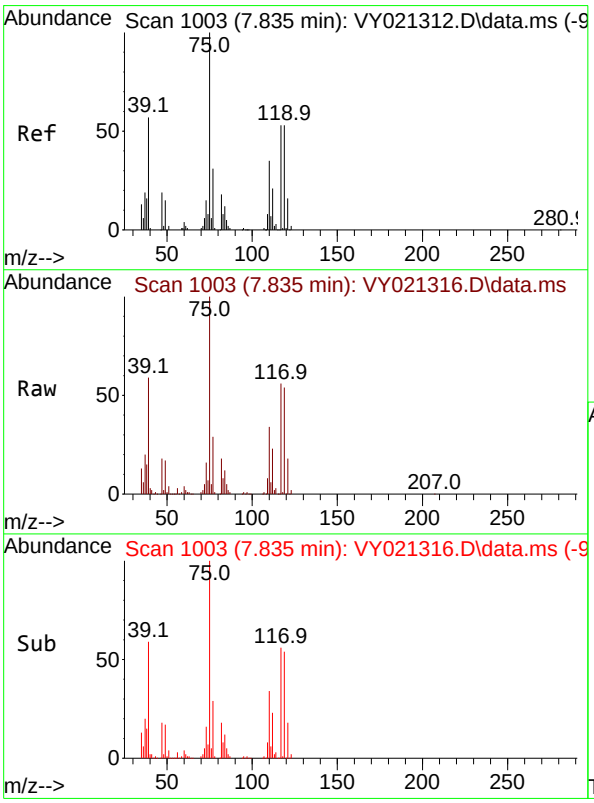
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.6
192	19.4	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

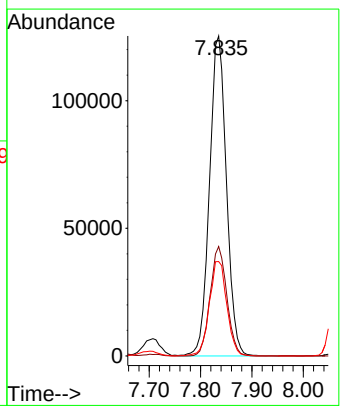
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

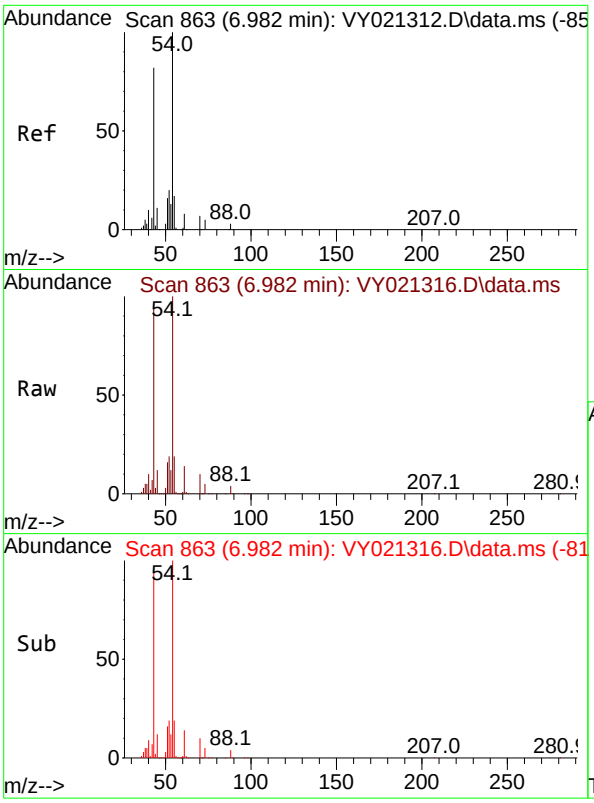


#36
1,1-Dichloropropene
Concen: 97.146 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 287472

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.7
77	30.5	24.6	36.8





#37
Ethyl Acetate
Concen: 93.230 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

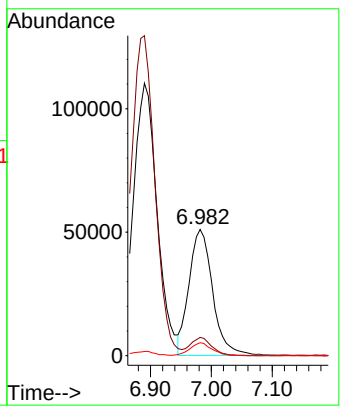
Tgt Ion: 43 Resp: 13723

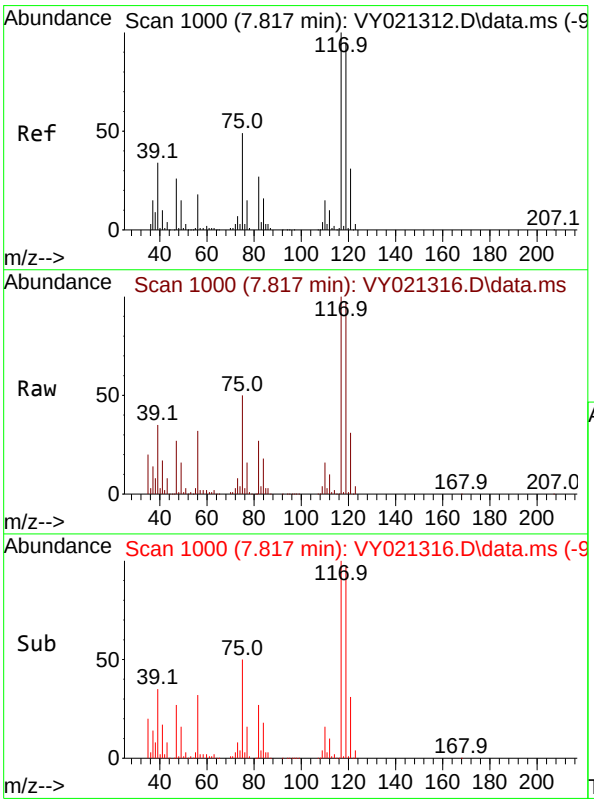
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.5	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

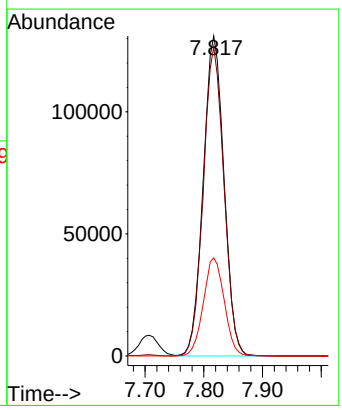


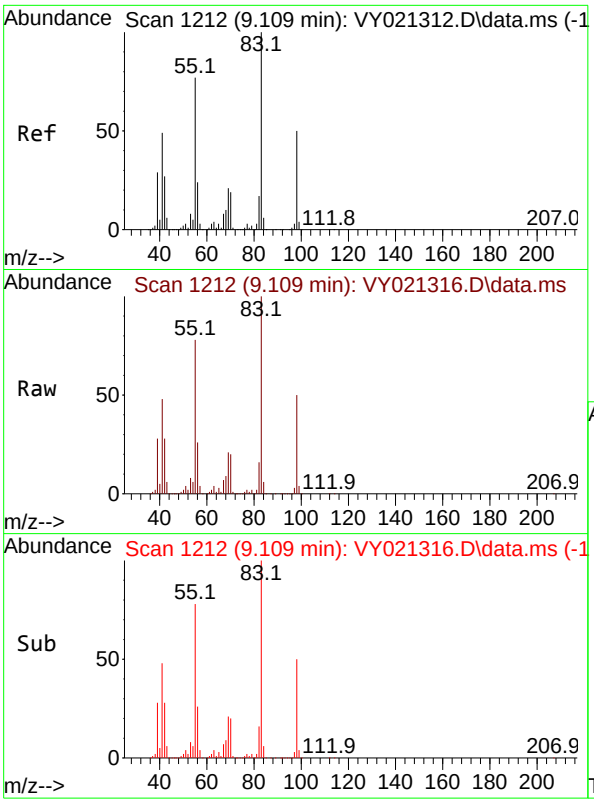


#38
Carbon Tetrachloride
Concen: 96.663 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 321576

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.0	114.0
121	30.7	24.9	37.3





#39
Methylcyclohexane
Concen: 99.169 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

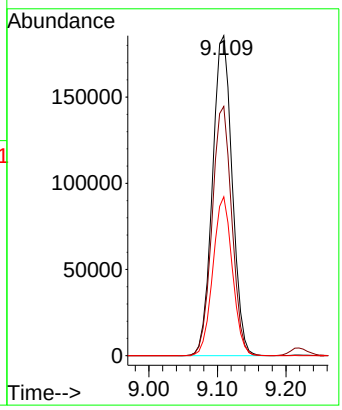
Tgt Ion: 83 Resp: 37117

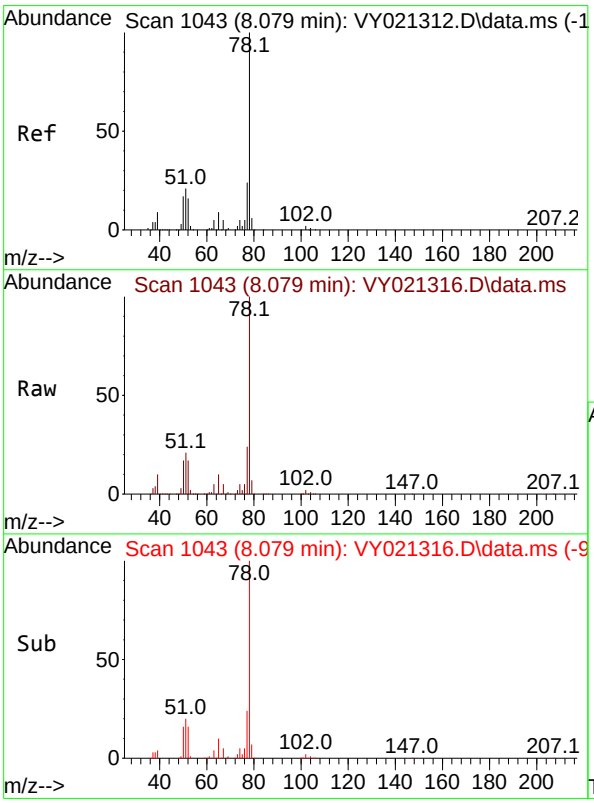
Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.3	91.9
98	49.6	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

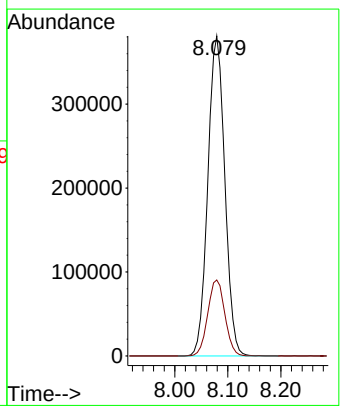


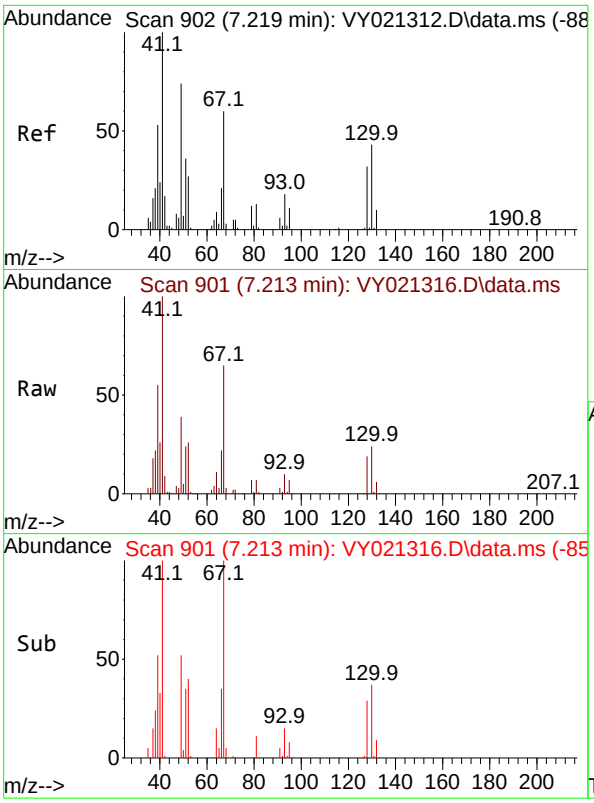


#40
Benzene
Concen: 96.835 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 78 Resp: 847066

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8

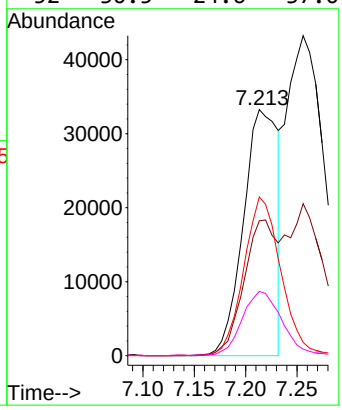




#41
Methacrylonitrile
Concen: 94.219 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 7754

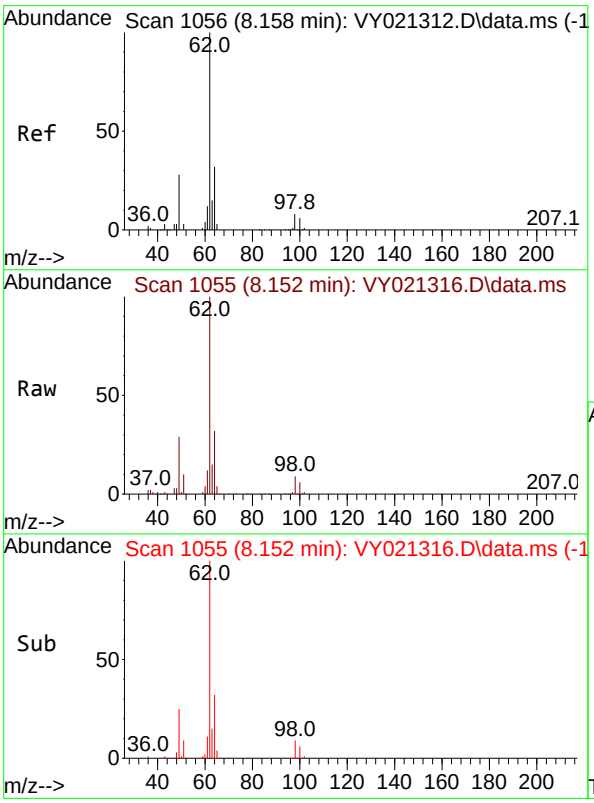
Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.3	63.5
67	69.9	54.8	82.2
52	30.5	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

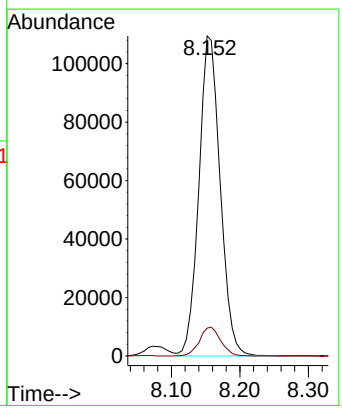
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

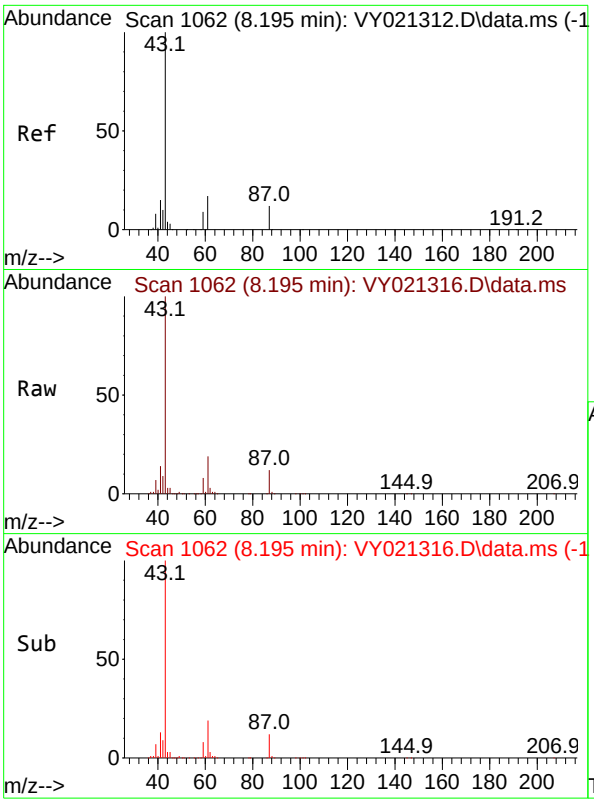


#42
1,2-Dichloroethane
Concen: 95.375 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 236704

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6

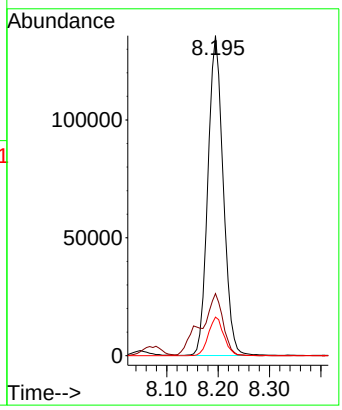




#43
Isopropyl Acetate
Concen: 98.388 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 28032

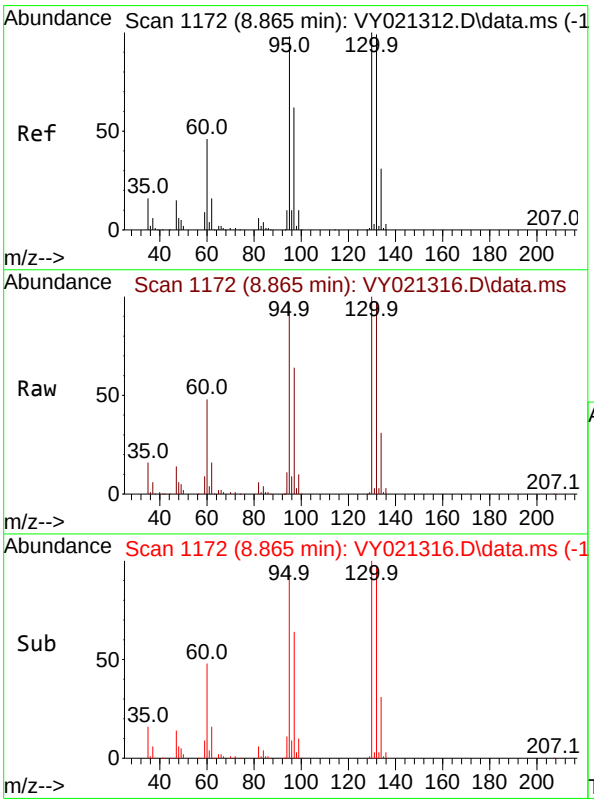
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.0	22.6
87	12.2	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

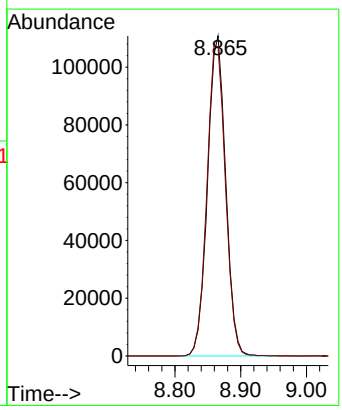
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

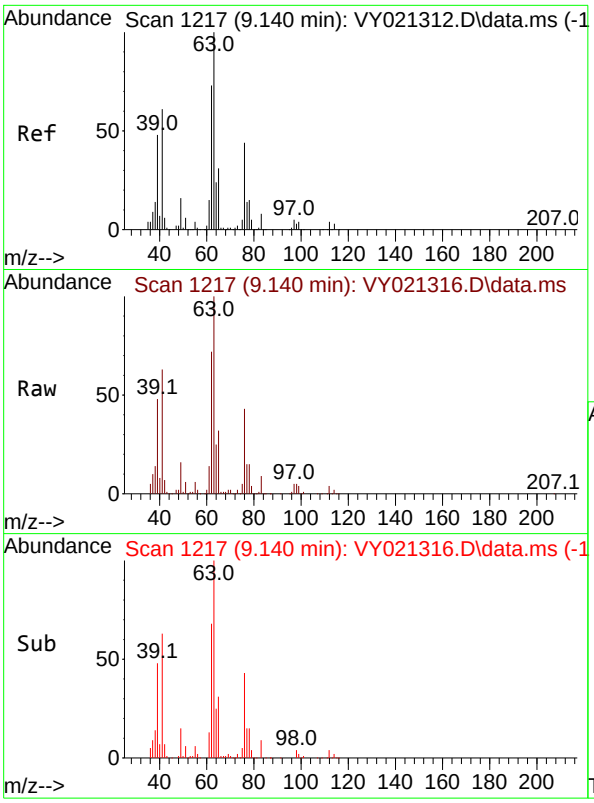


#44
Trichloroethene
Concen: 97.057 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:130 Resp: 212562

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	196.0

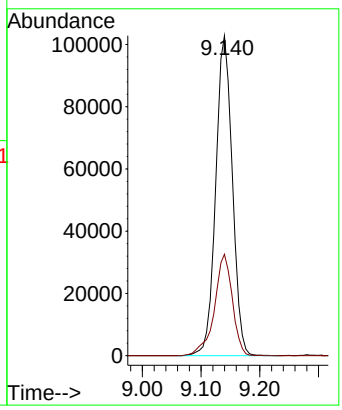




#45
1,2-Dichloropropane
Concen: 95.814 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 20170

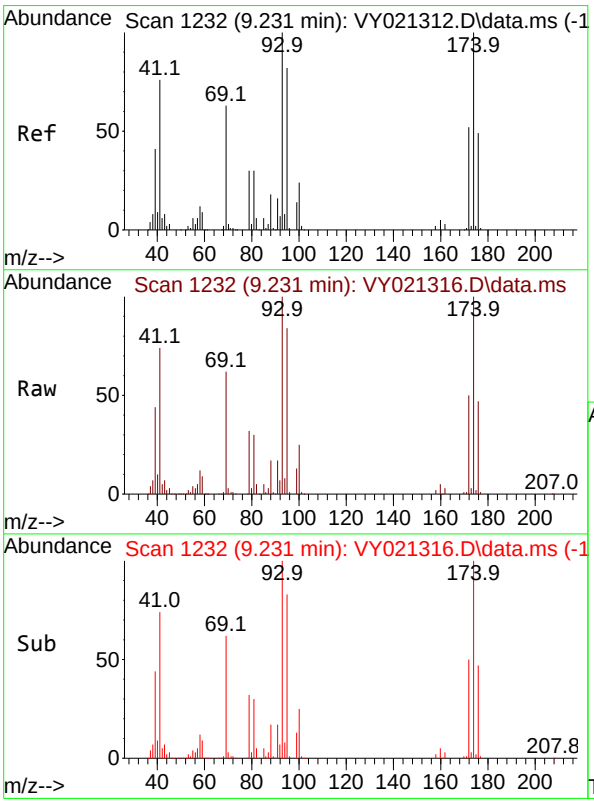
Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

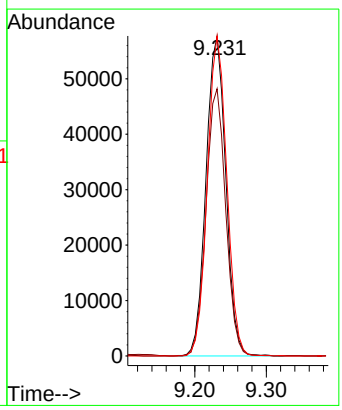
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

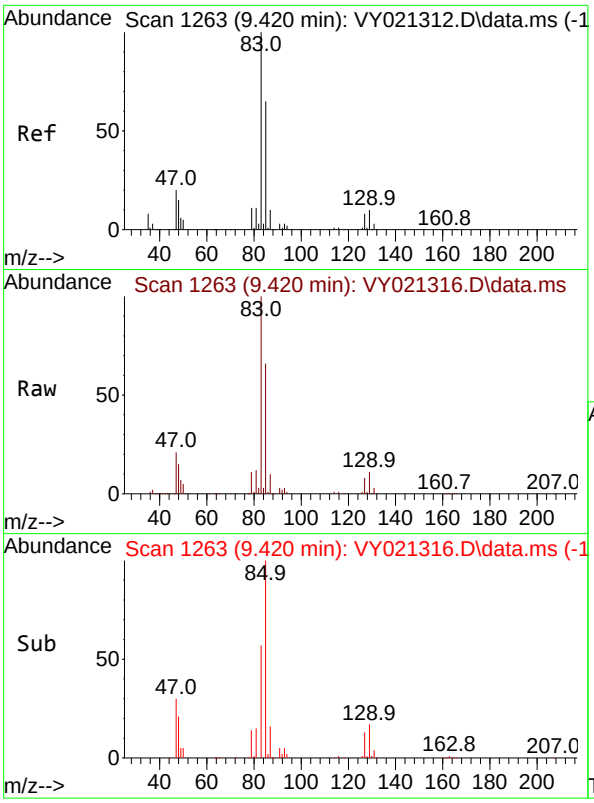


#46
Dibromomethane
Concen: 96.301 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 93 Resp: 110814

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.4	99.6
174	98.3	78.2	117.2

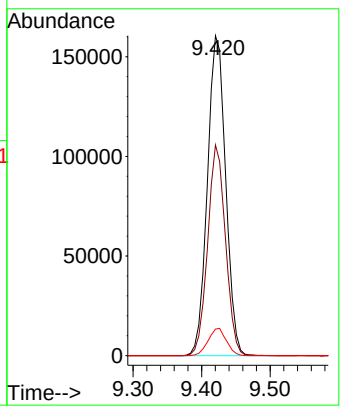




#47
Bromodichloromethane
Concen: 96.904 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 29732

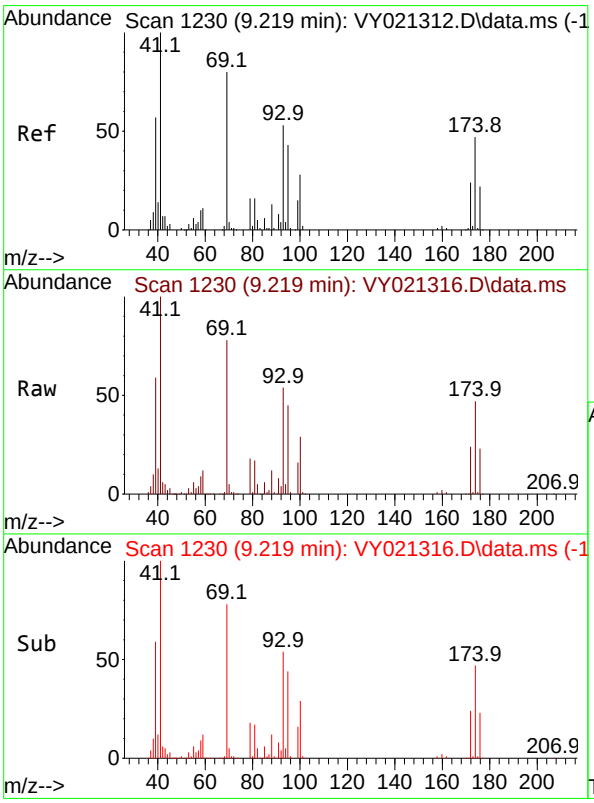
Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8
127	8.3	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

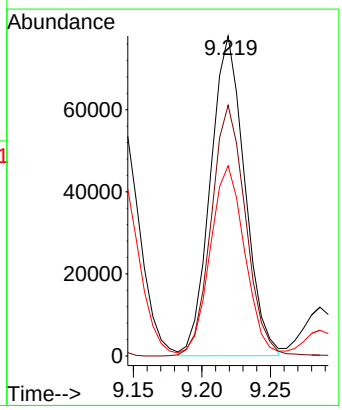
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

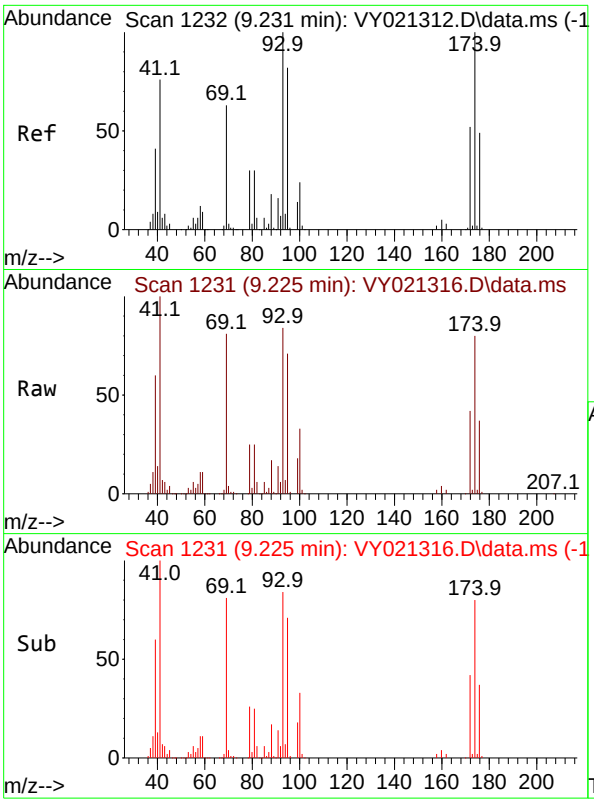


#48
Methyl methacrylate
Concen: 101.635 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 135412

Ion	Ratio	Lower	Upper
41	100		
69	78.9	63.3	94.9
39	58.0	45.0	67.6

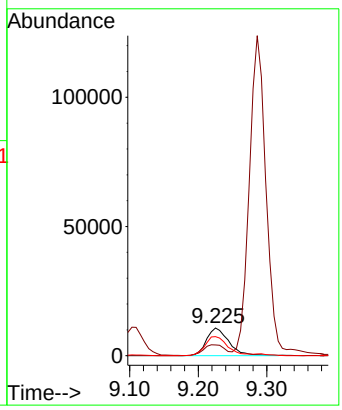




#49
1,4-Dioxane
Concen: 1903.504 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 88 Resp: 2435

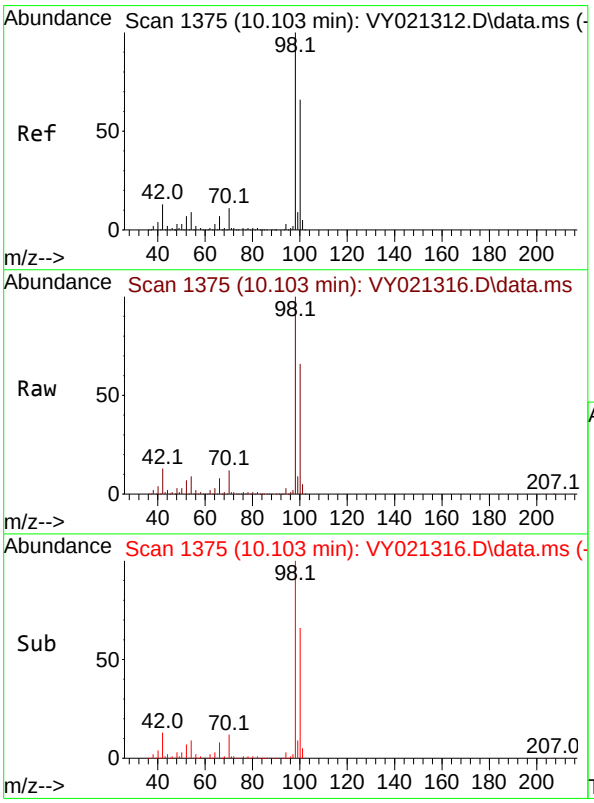
Ion	Ratio	Lower	Upper
88	100		
43	38.0	34.8	52.2
58	70.4	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

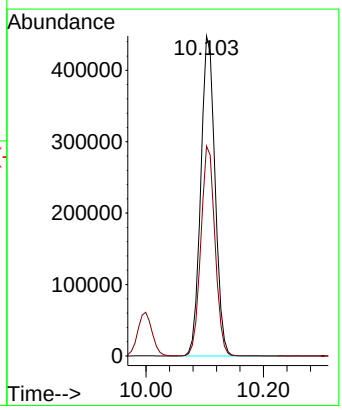
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

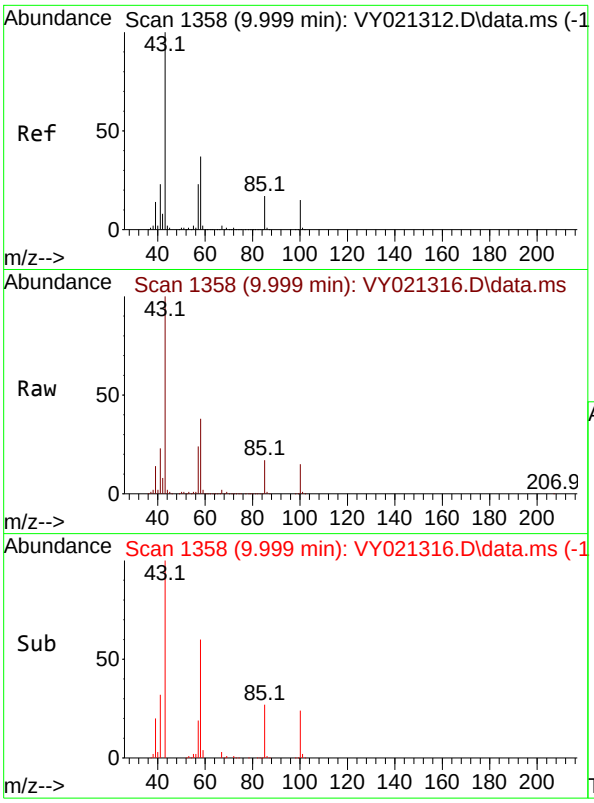


#50
Toluene-d8
Concen: 98.889 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 98 Resp: 752895

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6

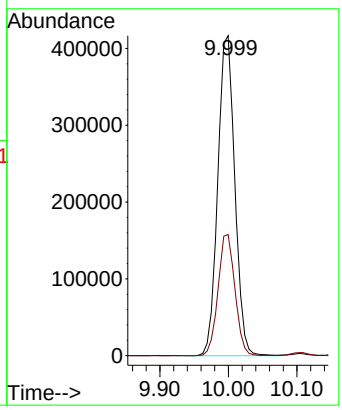




#51
4-Methyl-2-Pentanone
Concen: 490.938 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 71600

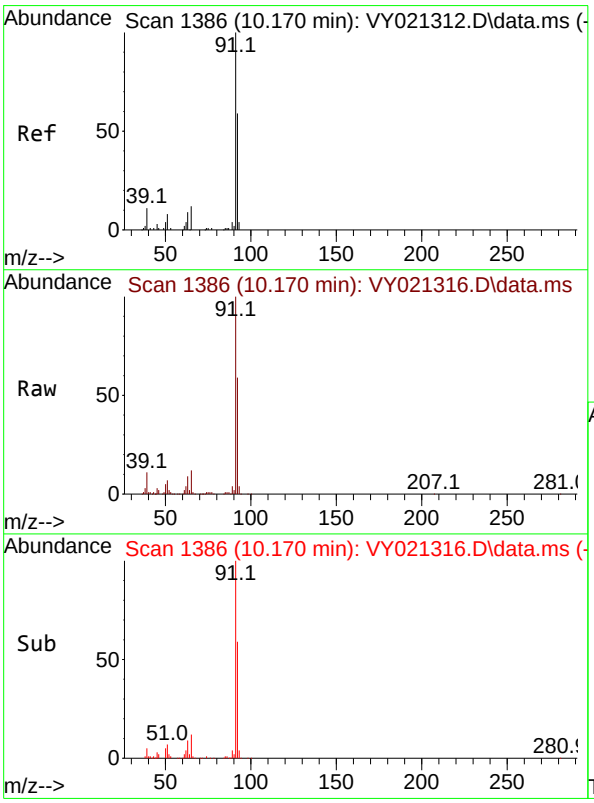
Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

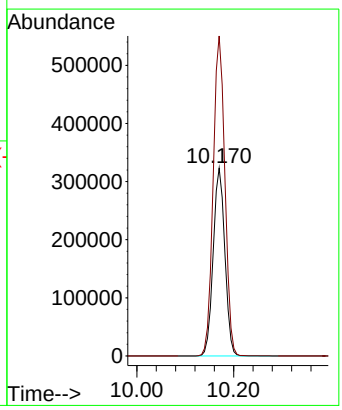
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

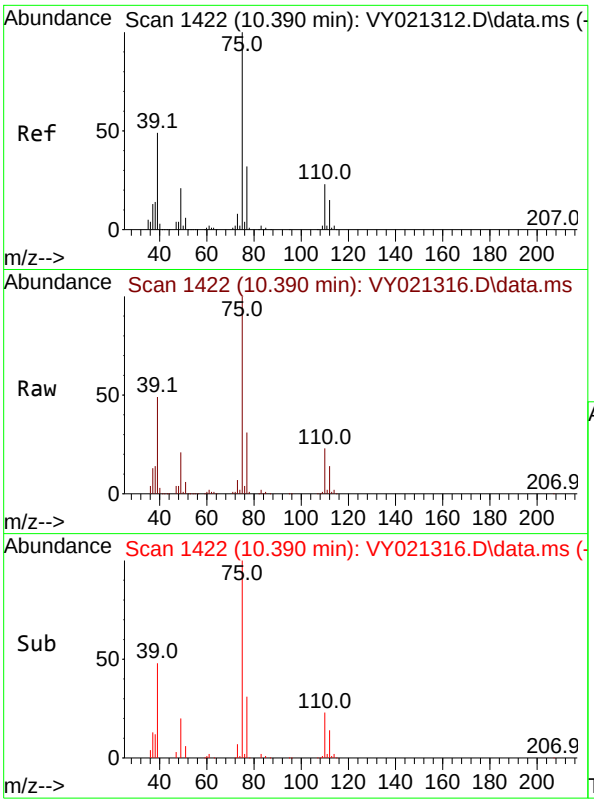


#52
Toluene
Concen: 99.189 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 92 Resp: 539016

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.8	206.8

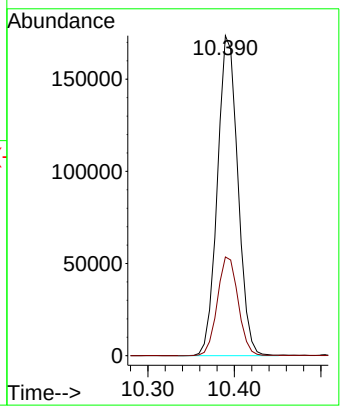




#53
t-1,3-Dichloropropene
Concen: 101.290 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 28473

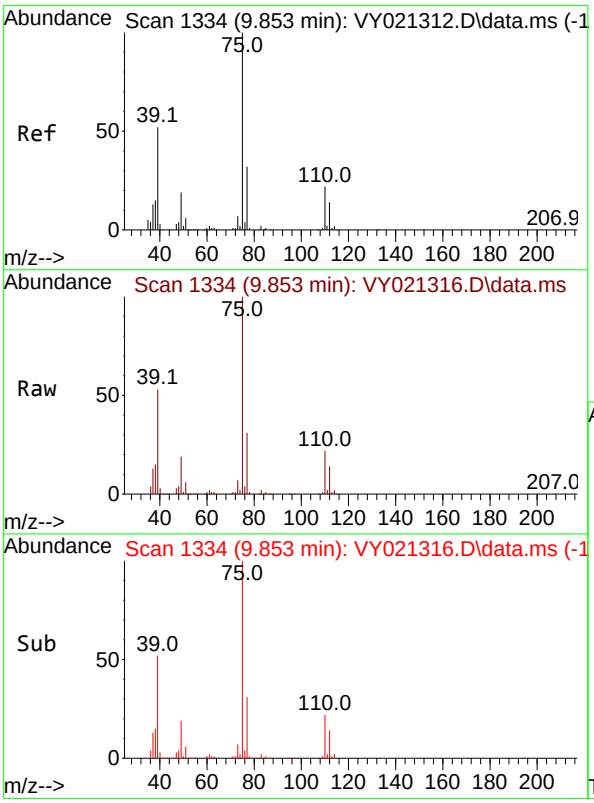
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

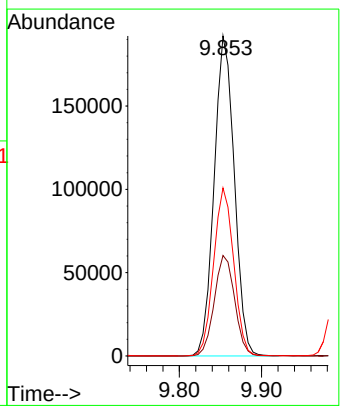
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

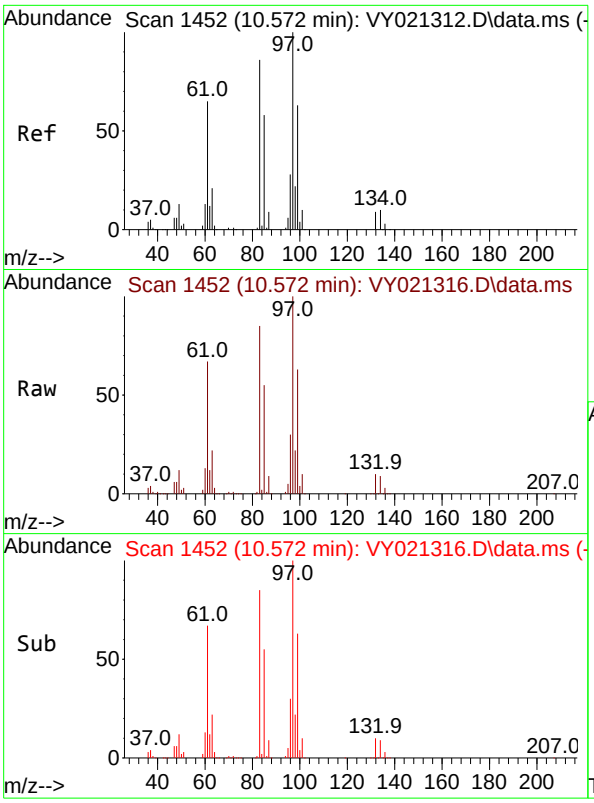


#54
cis-1,3-Dichloropropene
Concen: 98.870 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 328107

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5
39	52.5	41.8	62.6

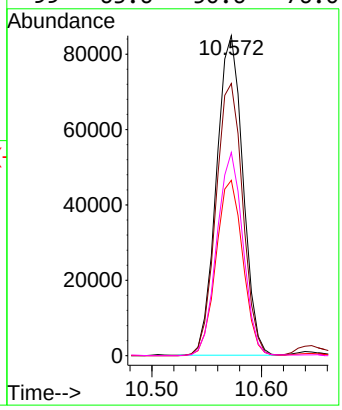




#55
1,1,2-Trichloroethane
Concen: 94.975 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 97 Resp: 14237

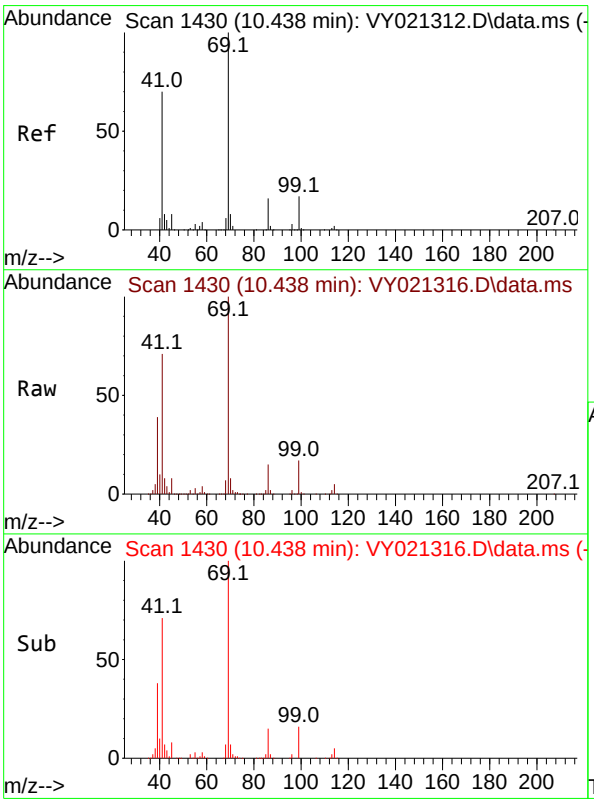
Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.7	103.1
85	54.9	46.3	69.5
99	63.6	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

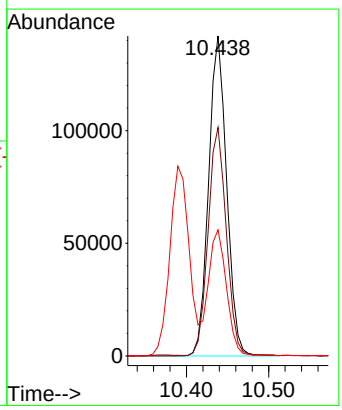
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

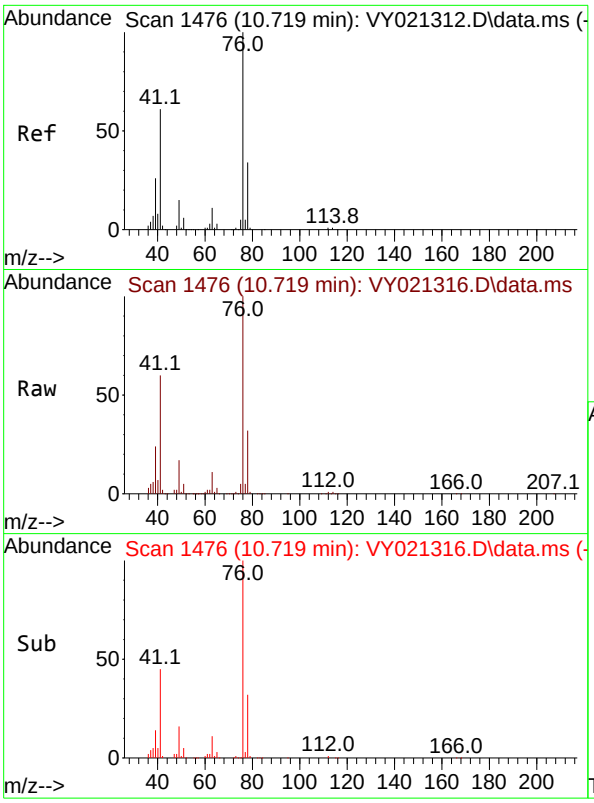


#56
Ethyl methacrylate
Concen: 104.564 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 69 Resp: 216586

Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.2	84.4
39	40.2	32.7	49.1

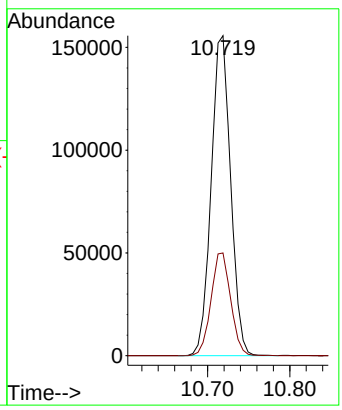




#57
1,3-Dichloropropane
Concen: 97.283 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 76 Resp: 25590

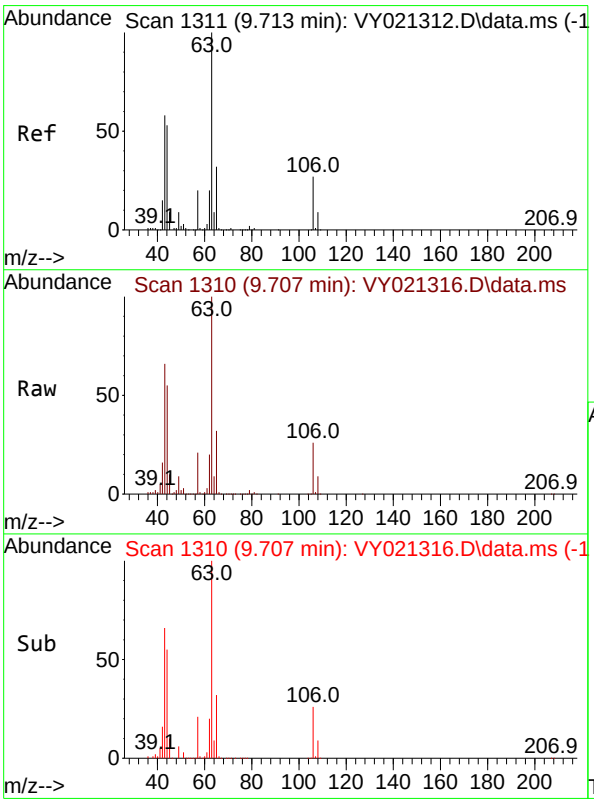
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

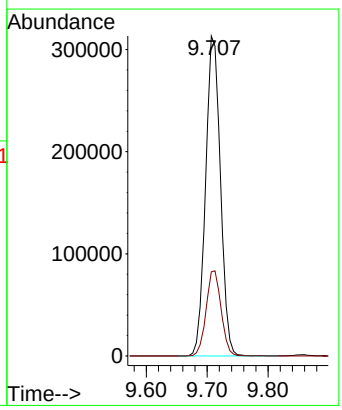
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

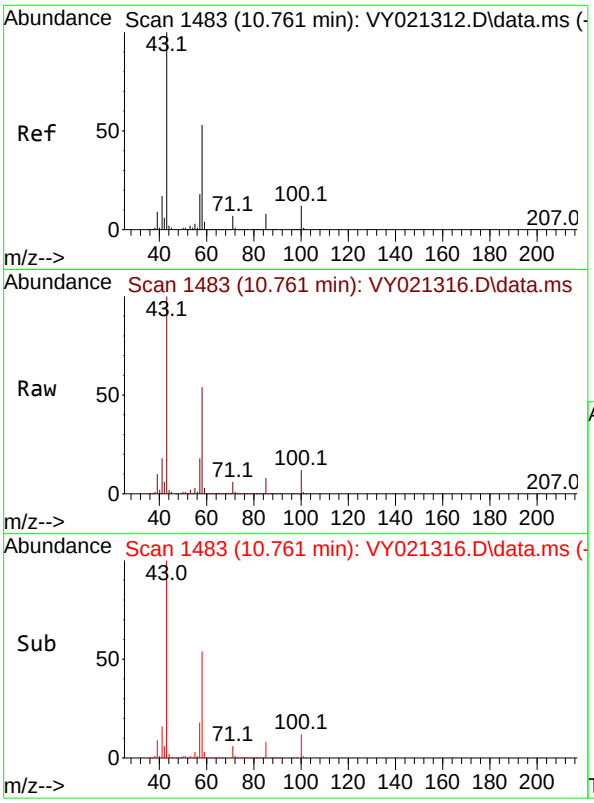


#58
2-Chloroethyl Vinyl ether
Concen: 533.791 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 530695

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5





#59
2-Hexanone
Concen: 507.115 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

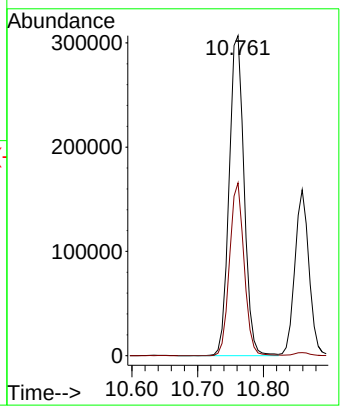
Tgt Ion: 43 Resp: 48573

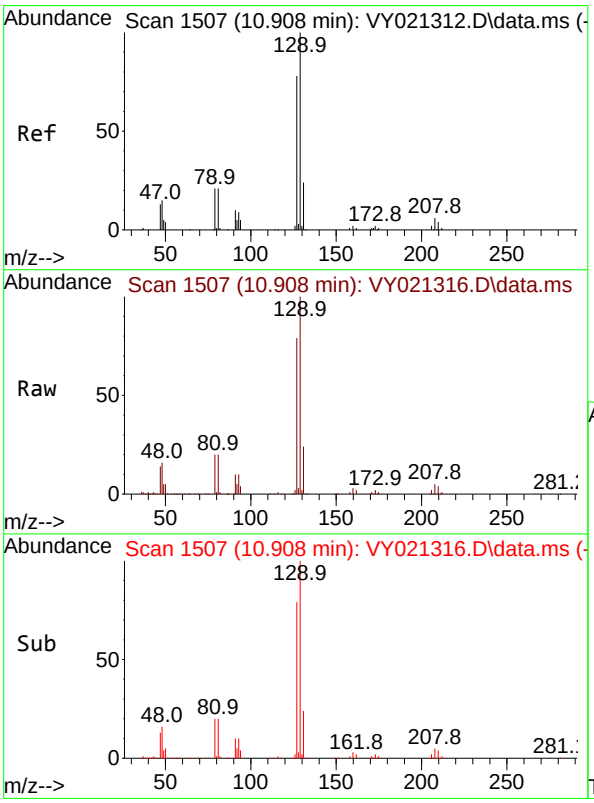
Ion	Ratio	Lower	Upper
43	100		
58	52.5	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

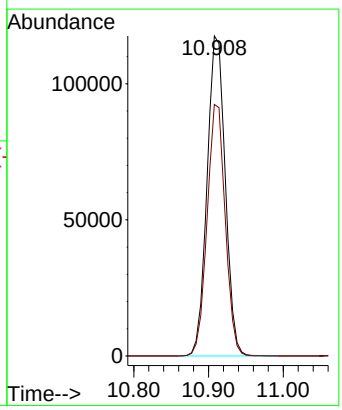


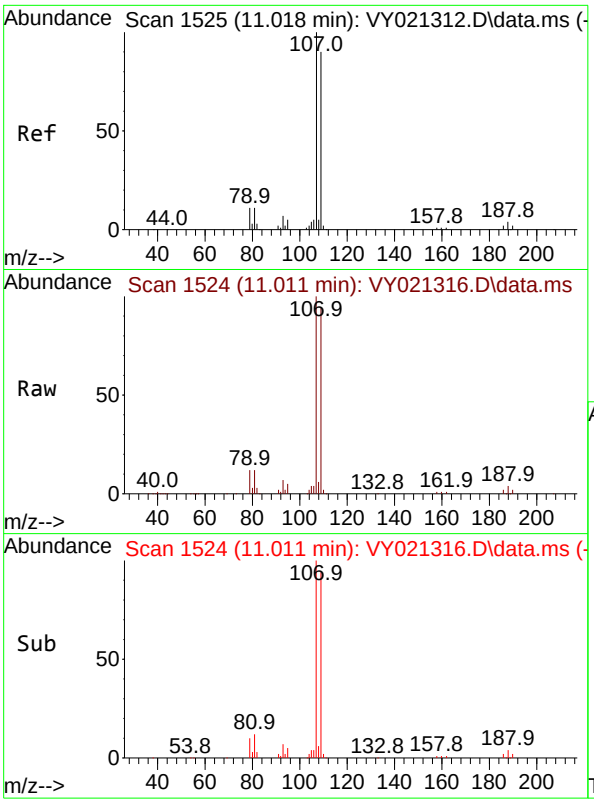


#60
Dibromochloromethane
Concen: 97.582 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:129 Resp: 199225

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.8	116.4





#61
1,2-Dibromoethane
Concen: 96.029 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

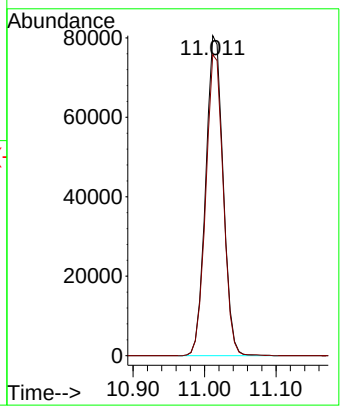
Tgt Ion:107 Resp: 13628

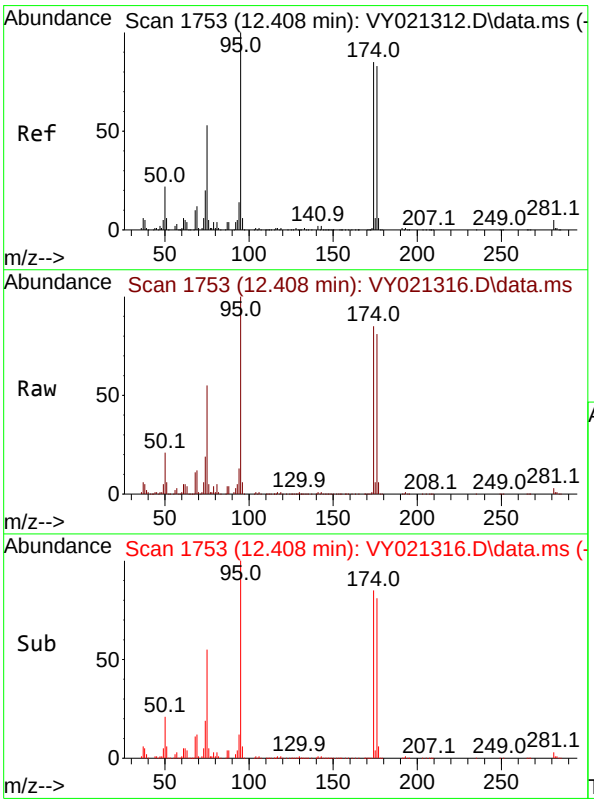
Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.8	110.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

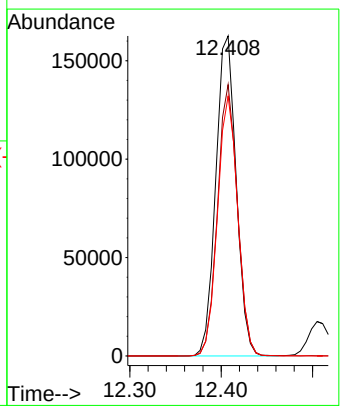


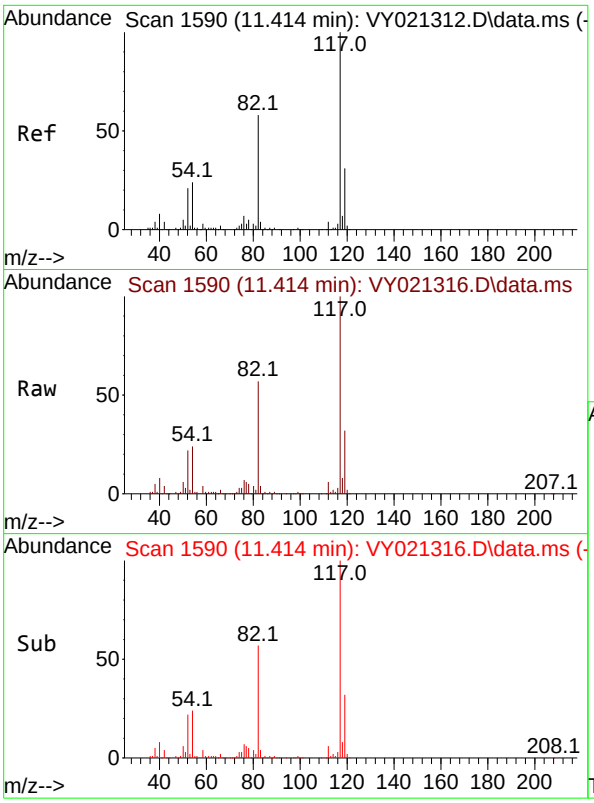


#62
4-Bromofluorobenzene
Concen: 98.477 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 95 Resp: 252327

Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	168.0
176	80.5	0.0	162.6

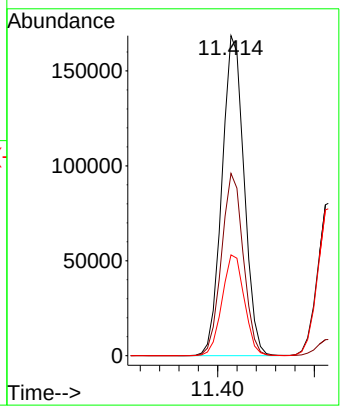




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 26715

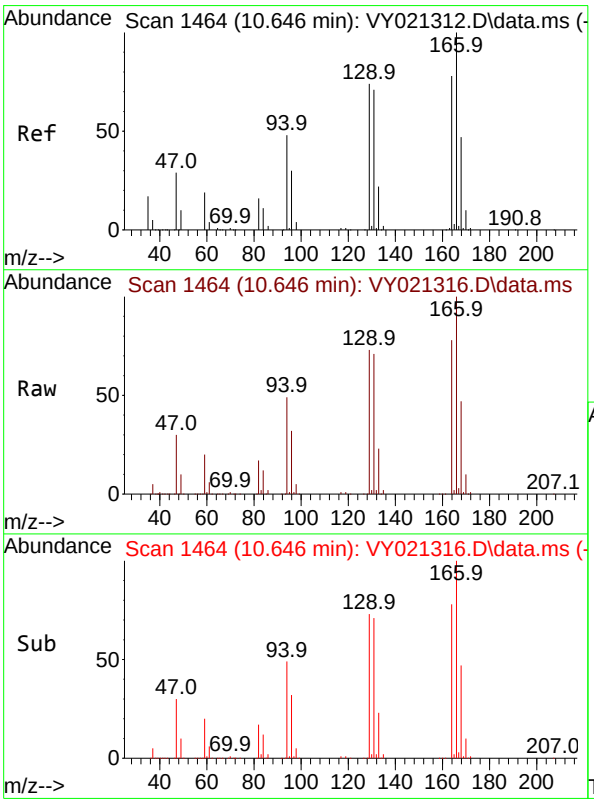
Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.2	69.4
119	31.5	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

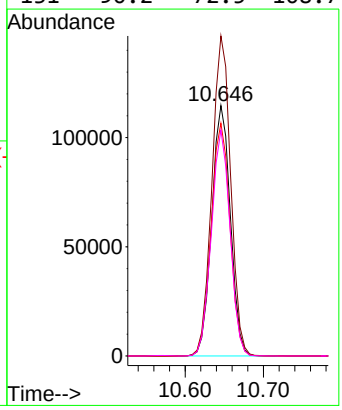
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

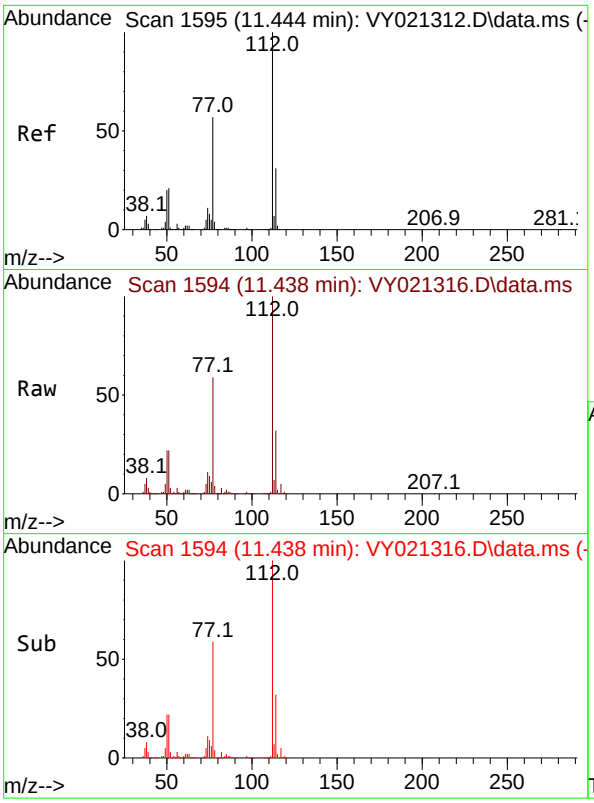


#64
Tetrachloroethene
Concen: 93.936 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:164 Resp: 189679

Ion	Ratio	Lower	Upper
164	100		
166	127.8	101.9	152.9
129	92.9	75.5	113.3
131	90.2	72.5	108.7

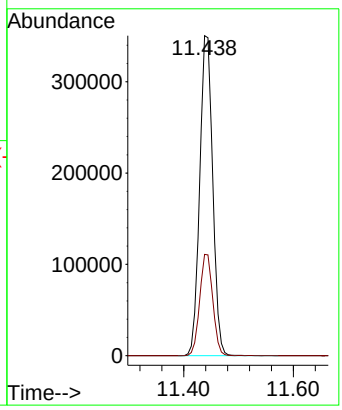




#65
Chlorobenzene
Concen: 96.070 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:112 Resp: 576109

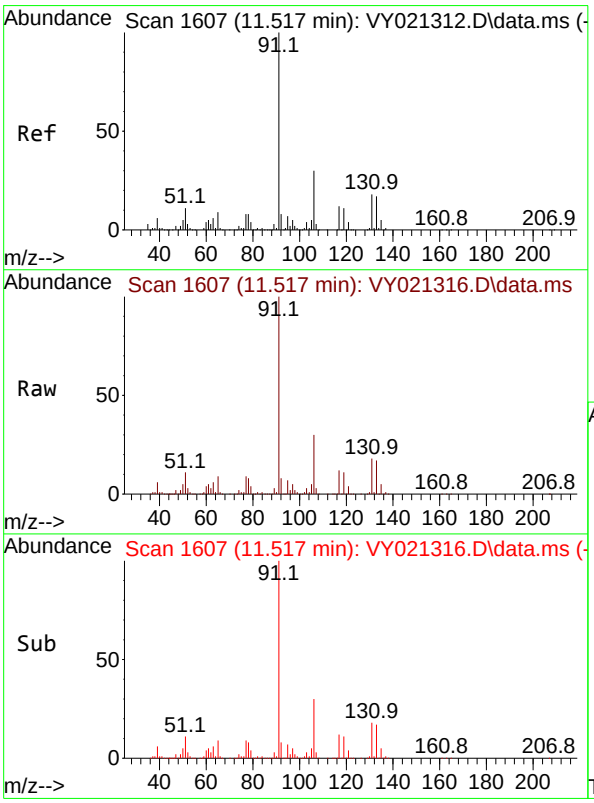
Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

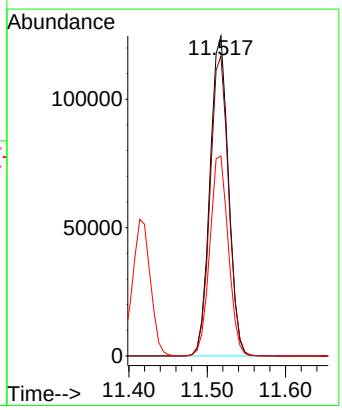
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

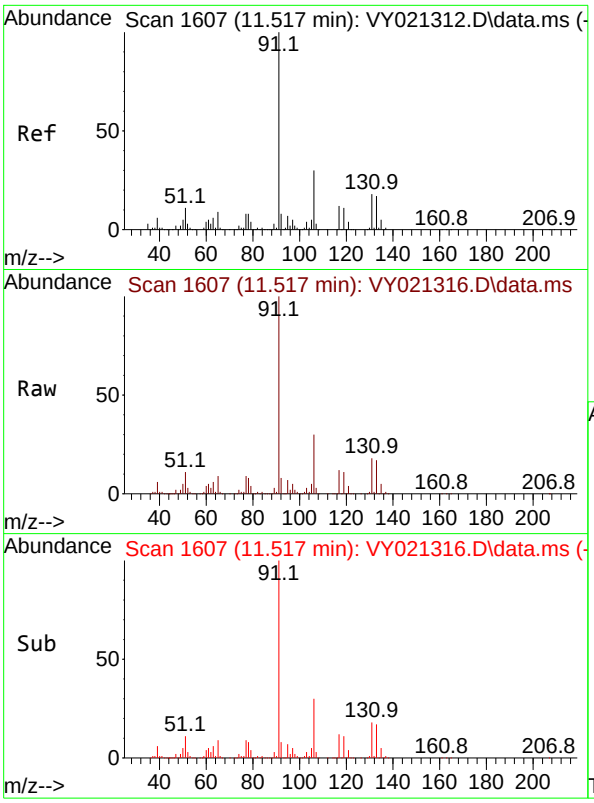


#66
1,1,1,2-Tetrachloroethane
Concen: 97.007 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:131 Resp: 203696

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.9	143.6
119	62.8	31.7	95.1

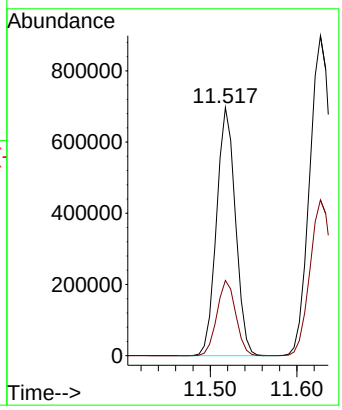




#67
Ethyl Benzene
Concen: 99.522 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 105712

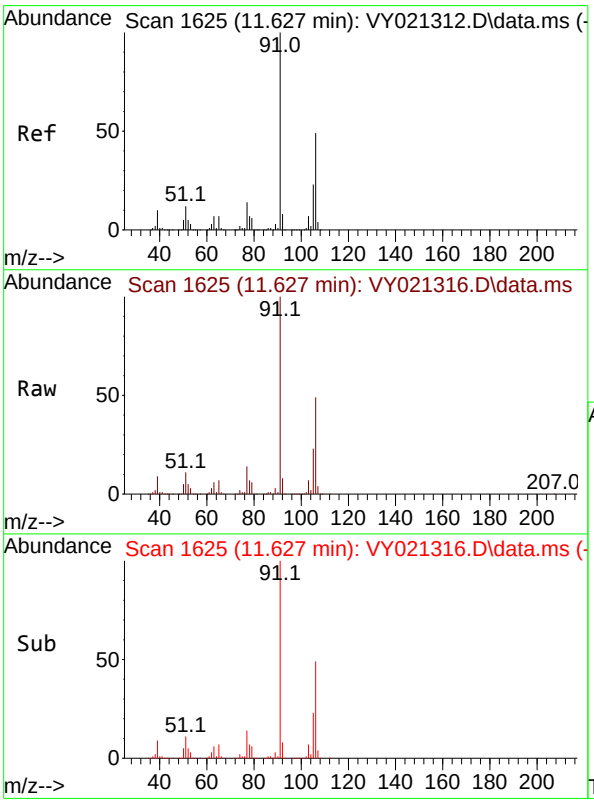
Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

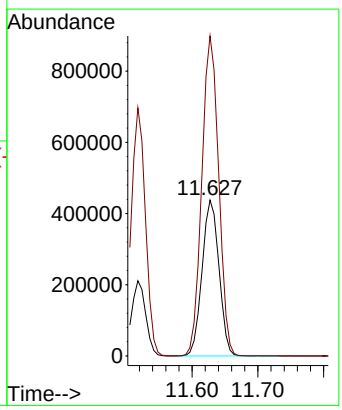
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

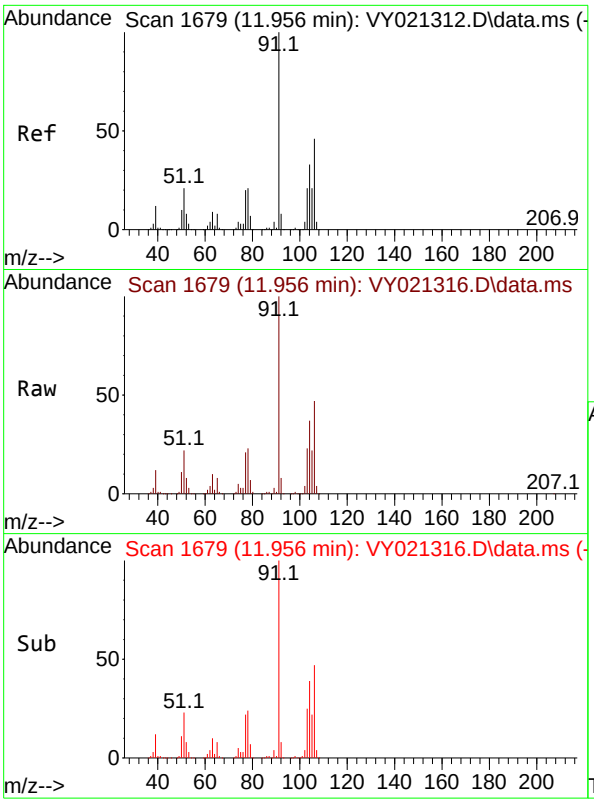


#68
m/p-Xylenes
Concen: 195.986 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:106 Resp: 783034

Ion	Ratio	Lower	Upper
106	100		
91	204.9	163.9	245.9

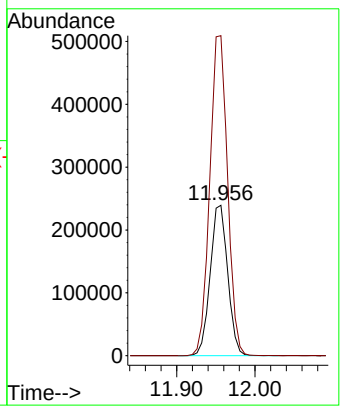




#69
o-Xylene
Concen: 99.112 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:106 Resp: 37096

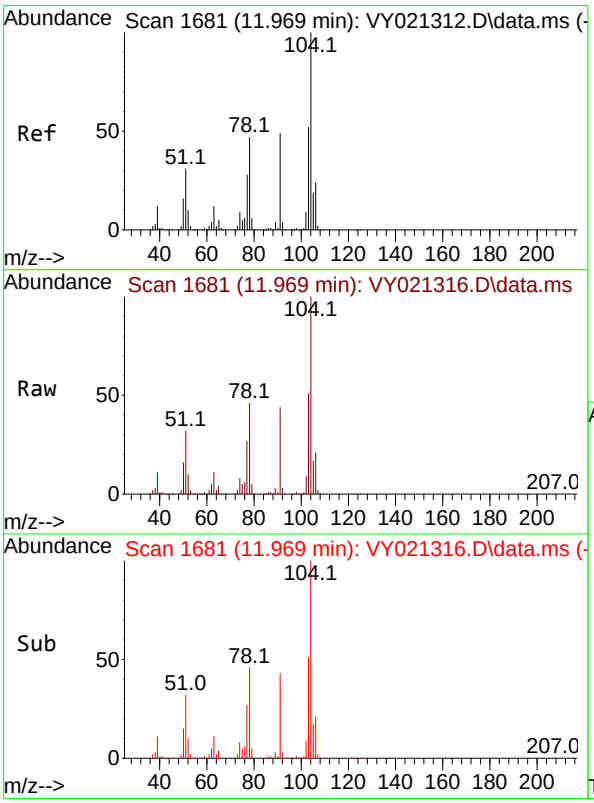
Ion	Ratio	Lower	Upper
106	100		
91	216.3	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

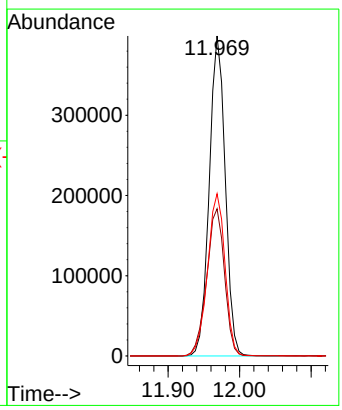
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

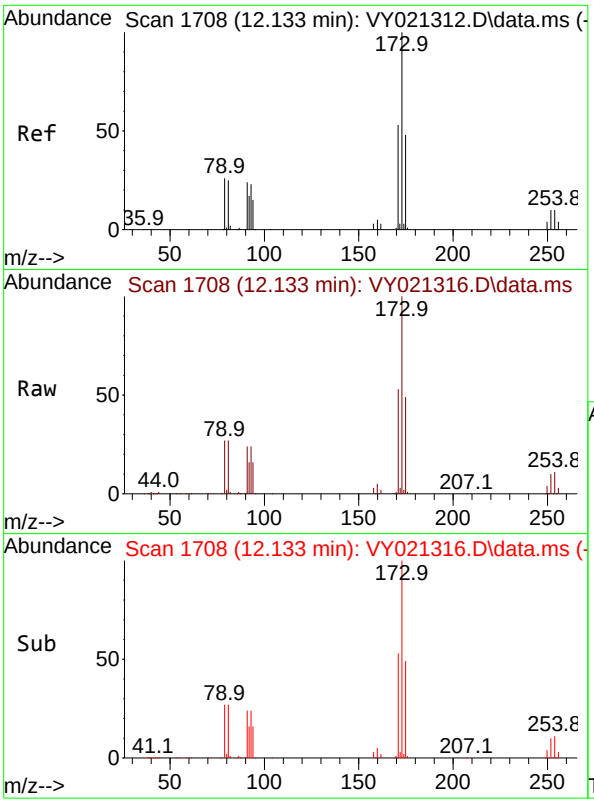


#70
Styrene
Concen: 99.469 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:104 Resp: 619437

Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.3	61.9
103	55.4	43.9	65.9

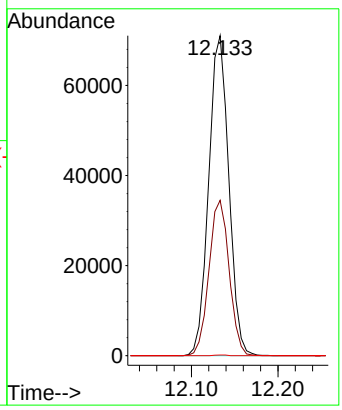




#71
Bromoform
Concen: 95.313 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:173 Resp: 11449

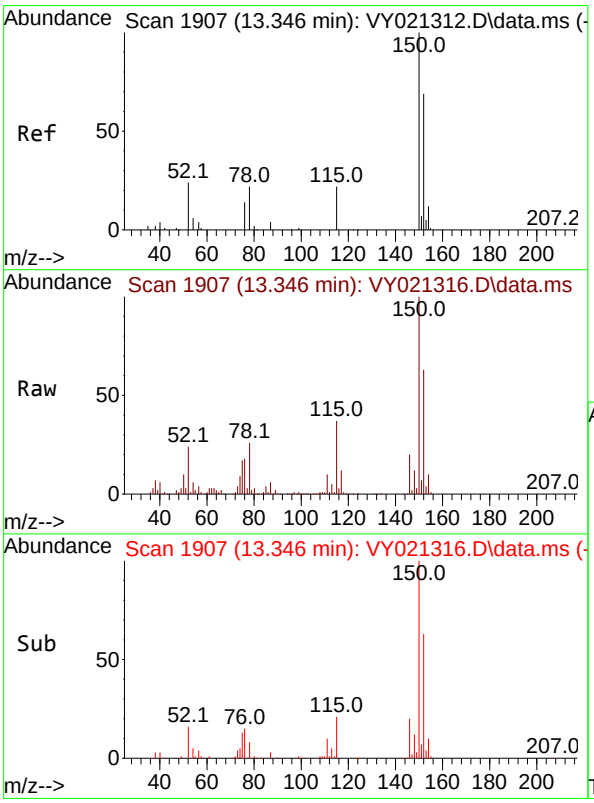
Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

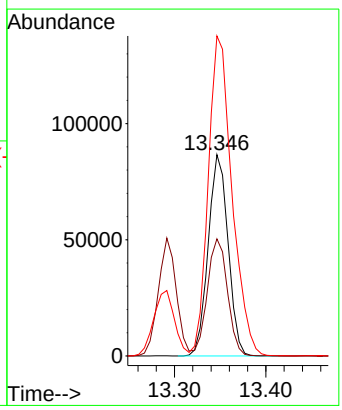
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

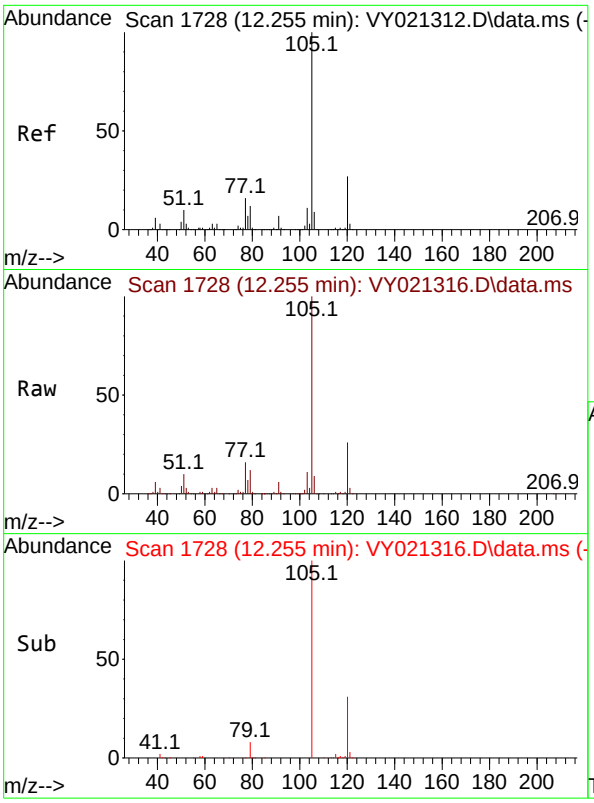


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:152 Resp: 130541

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	190.2	0.0	347.4

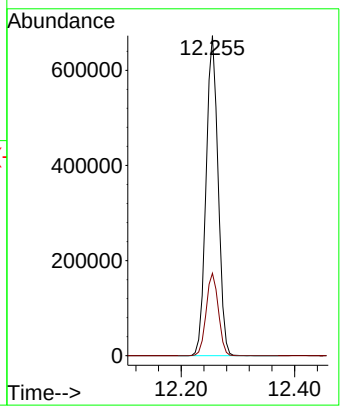




#73
Isopropylbenzene
Concen: 100.648 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 98775

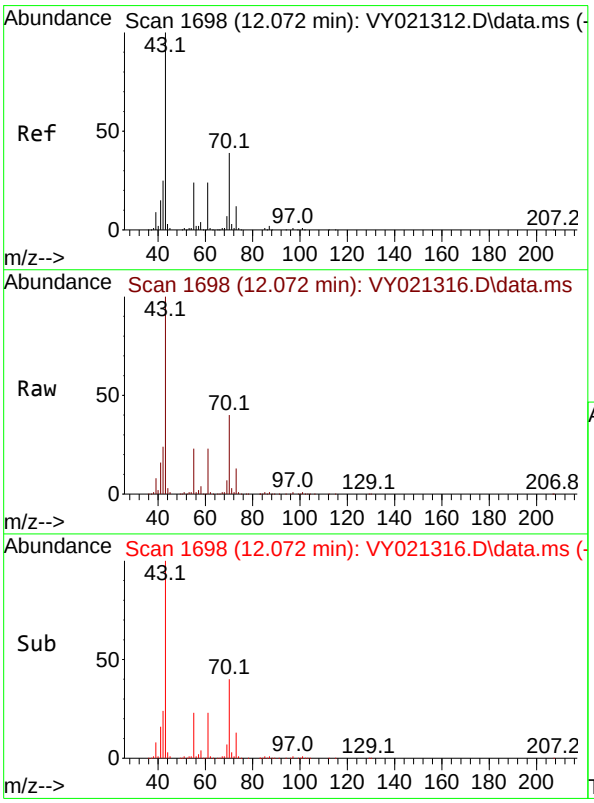
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

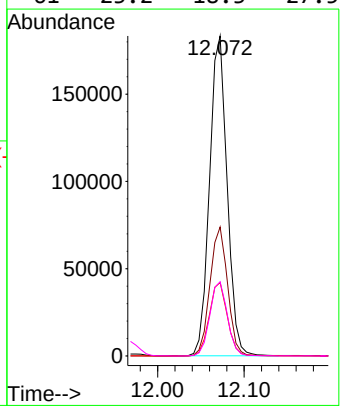
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

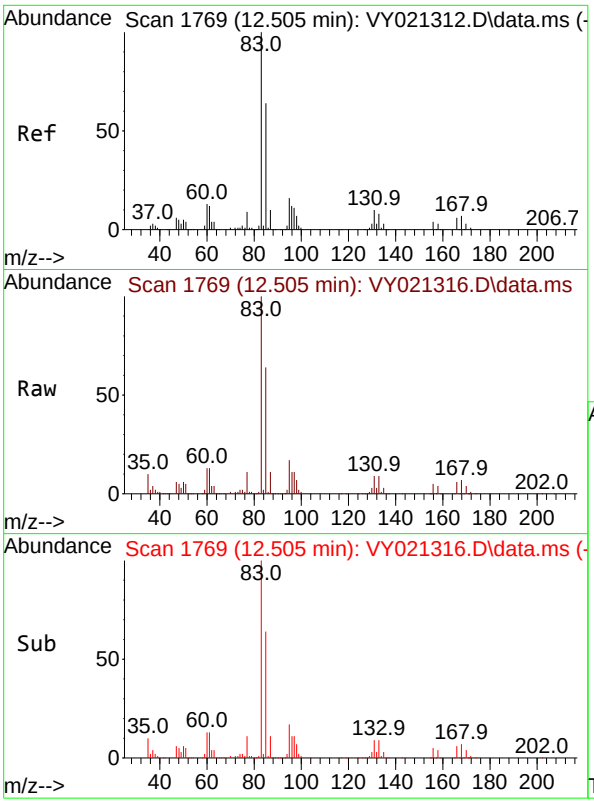


#74
N-amyl acetate
Concen: 103.658 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 258576

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.2	48.2
55	23.8	19.6	29.4
61	23.2	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 94.075 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

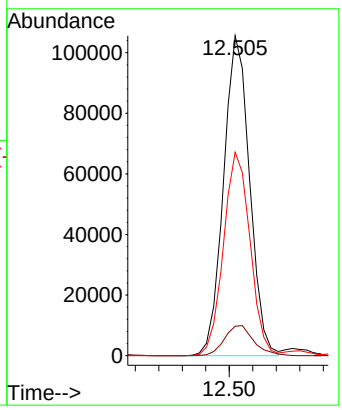
Tgt Ion: 83 Resp: 16294

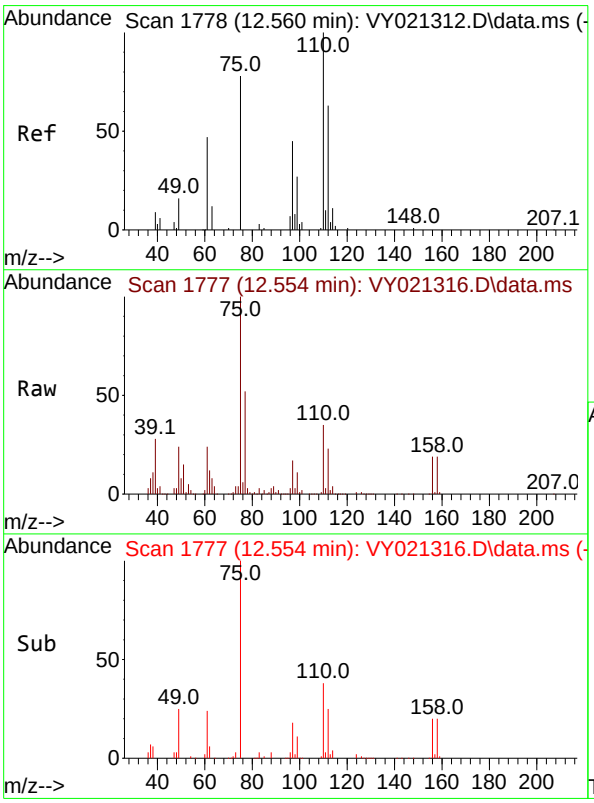
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	64.6	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

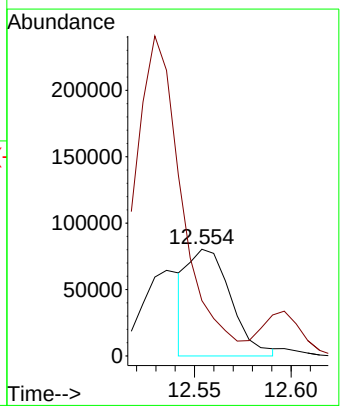


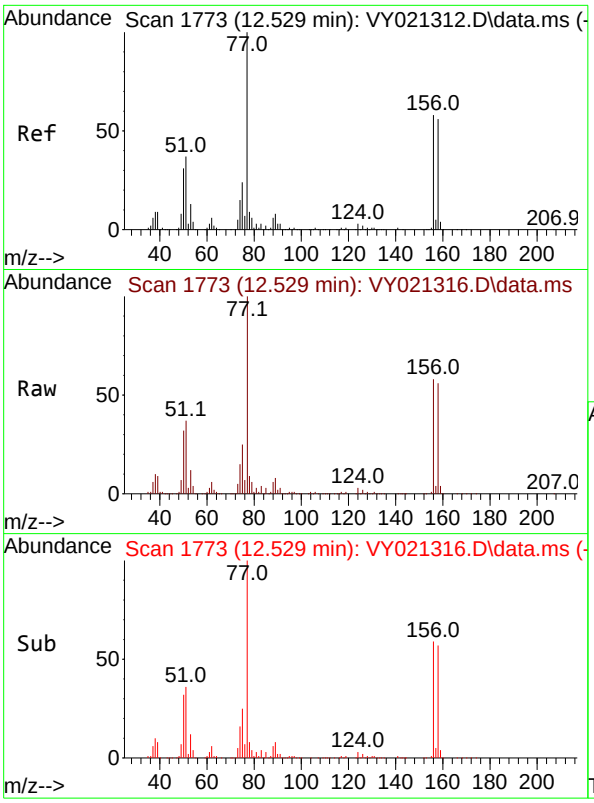


#76
1,2,3-Trichloropropane
Concen: 94.206 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 123844

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

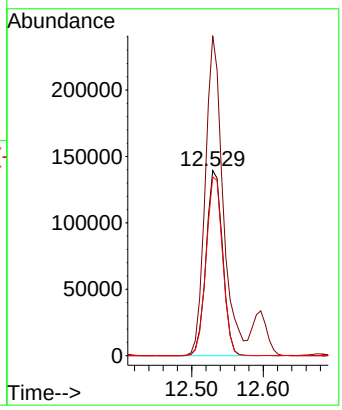




#77
Bromobenzene
Concen: 97.728 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:156 Resp: 22308

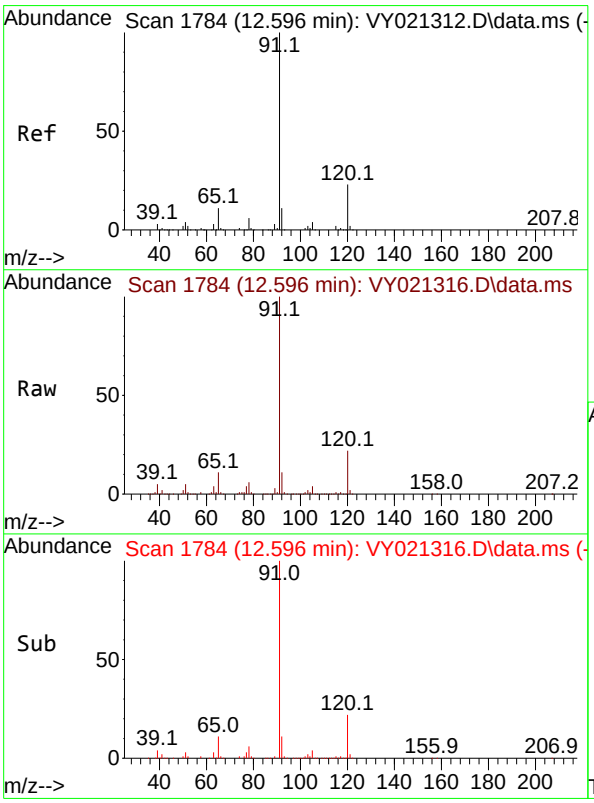
Ion	Ratio	Lower	Upper
156	100		
77	184.2	94.0	282.1
158	96.9	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

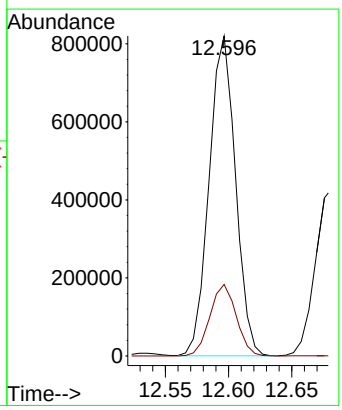
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

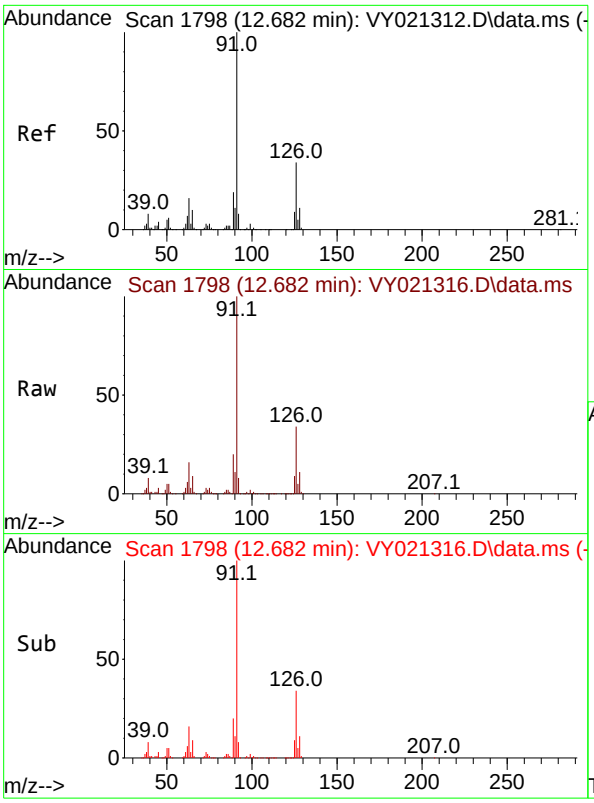


#78
n-propylbenzene
Concen: 99.651 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 1186751

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5





#79
2-Chlorotoluene
Concen: 97.455 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

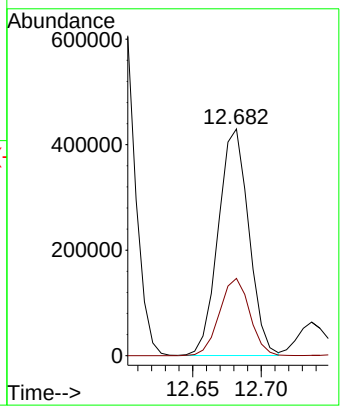
Tgt Ion: 91 Resp: 66607

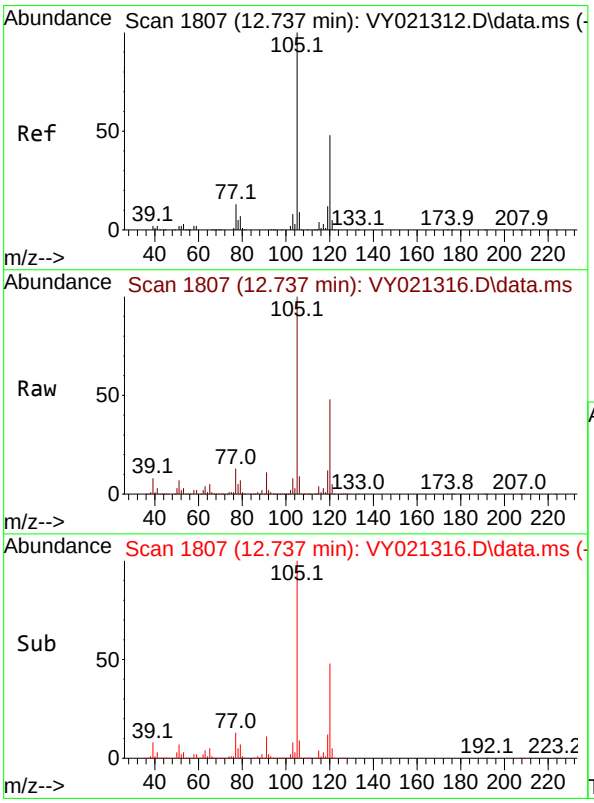
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

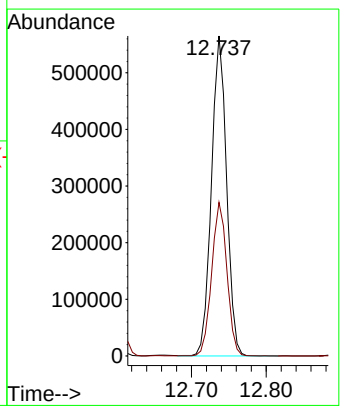


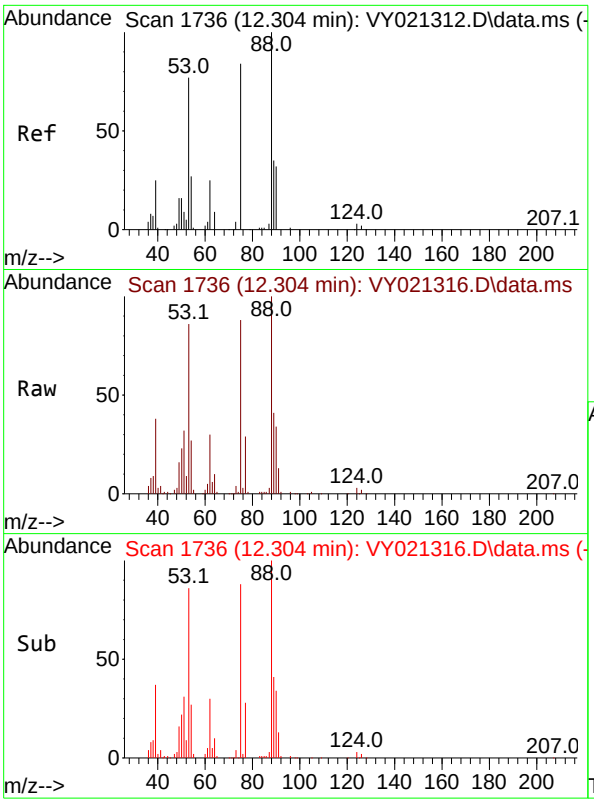


#80
1,3,5-Trimethylbenzene
Concen: 98.676 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 794247

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 100.031 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

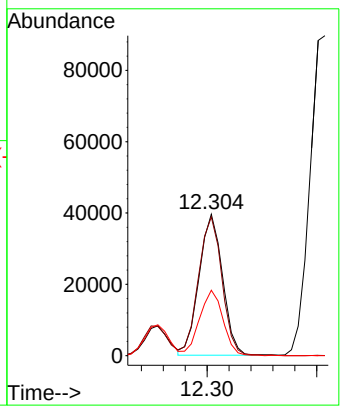
Tgt Ion: 75 Resp: 5880

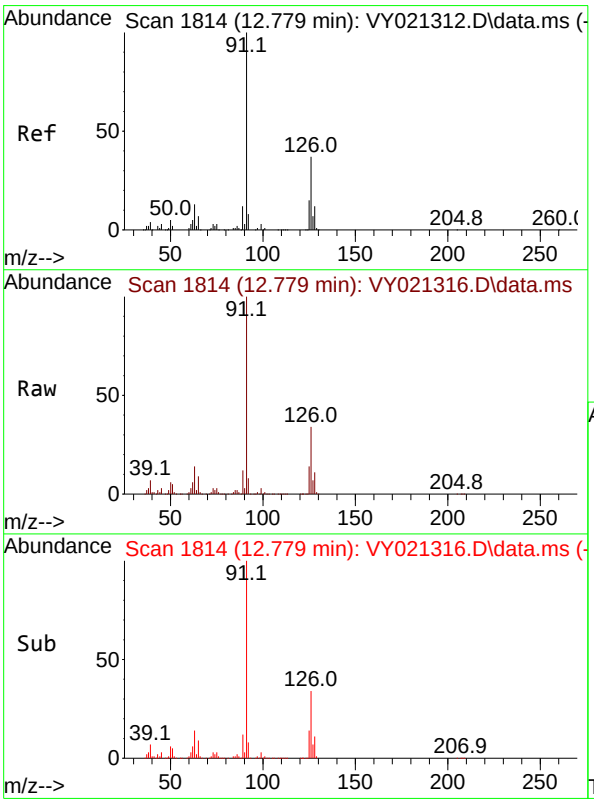
Ion	Ratio	Lower	Upper
75	100		
53	99.2	79.1	118.7
89	46.7	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

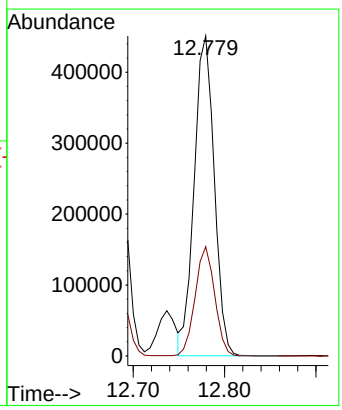


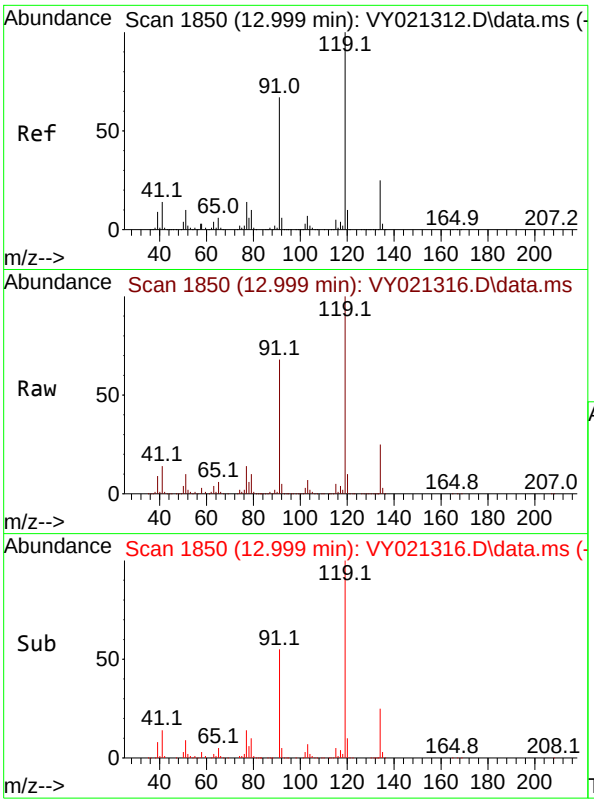


#82
4-Chlorotoluene
Concen: 97.022 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 687385

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4

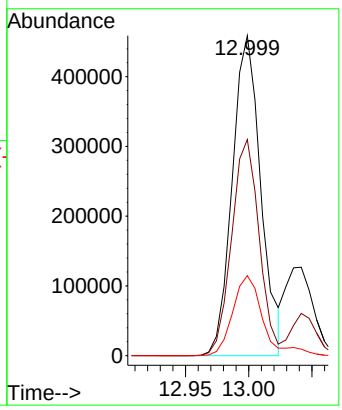




#83
tert-Butylbenzene
Concen: 99.092 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:119 Resp: 72048

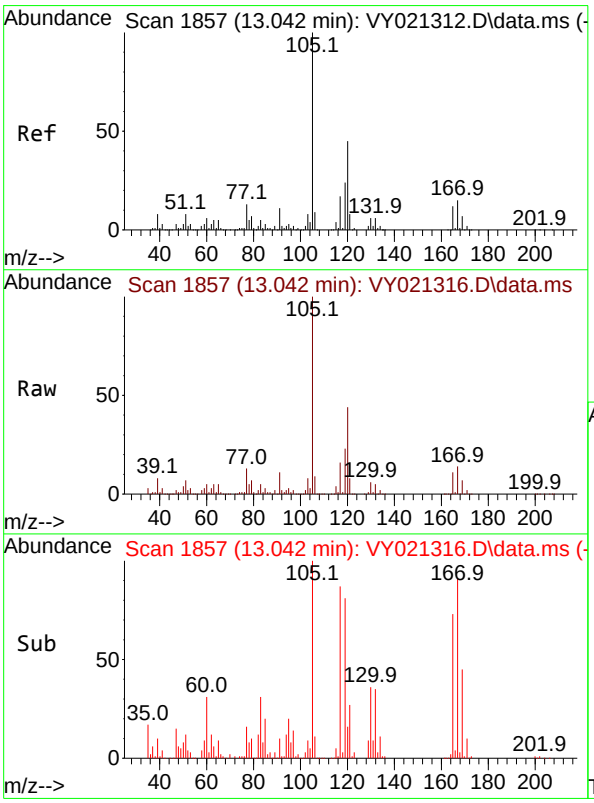
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.7	98.1
134	26.5	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

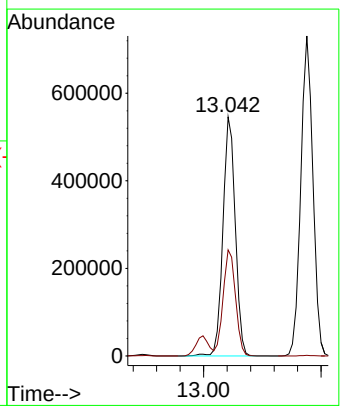
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

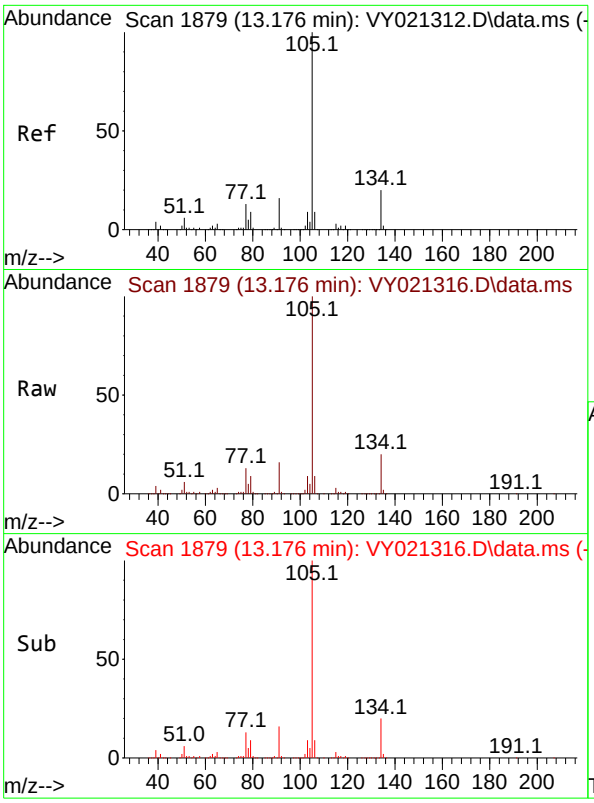


#84
1,2,4-Trimethylbenzene
Concen: 99.415 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 795840

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3





#85
sec-Butylbenzene
Concen: 98.021 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

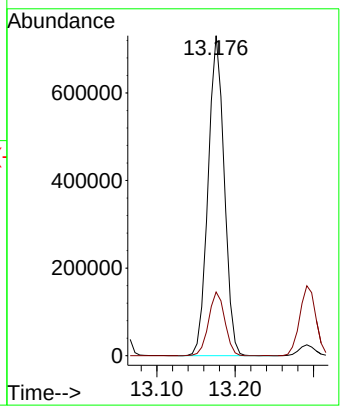
Tgt Ion:105 Resp: 104102

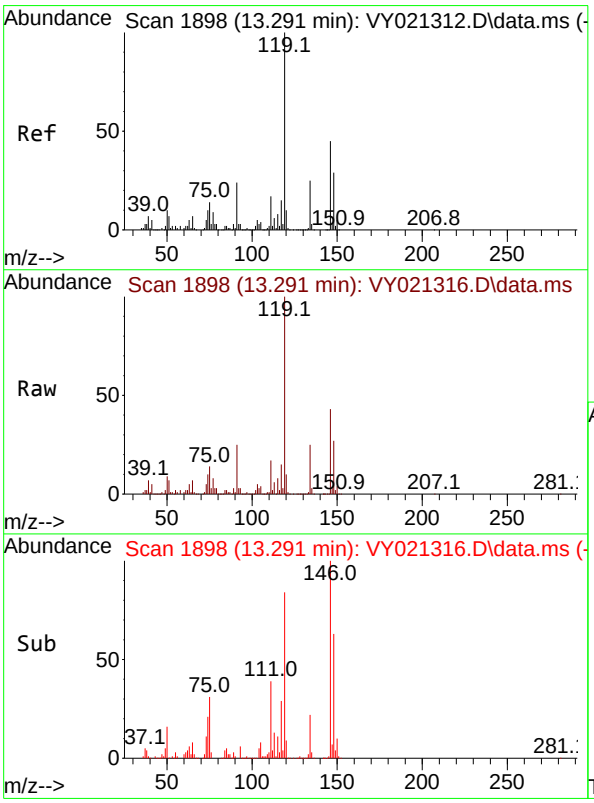
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

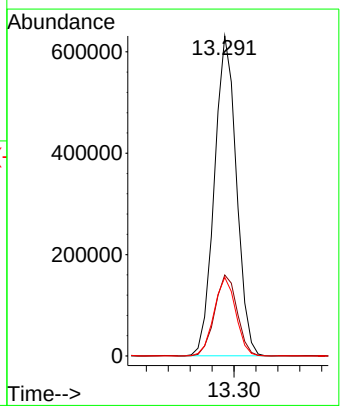


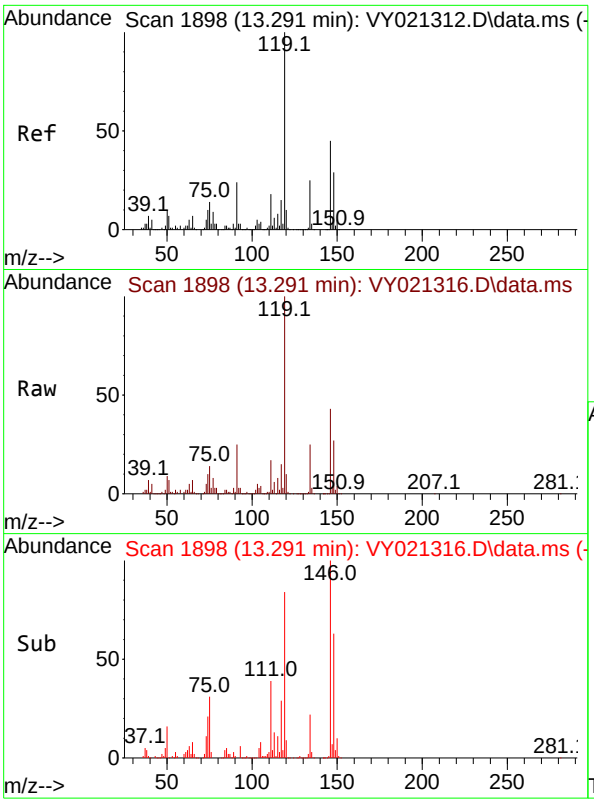


#86
p-Isopropyltoluene
Concen: 99.431 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:119 Resp: 881757

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.3	12.0	36.1

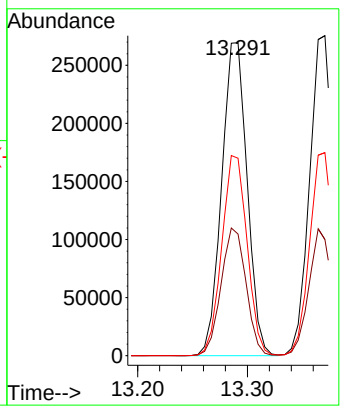




#87
1,3-Dichlorobenzene
Concen: 96.445 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 43548

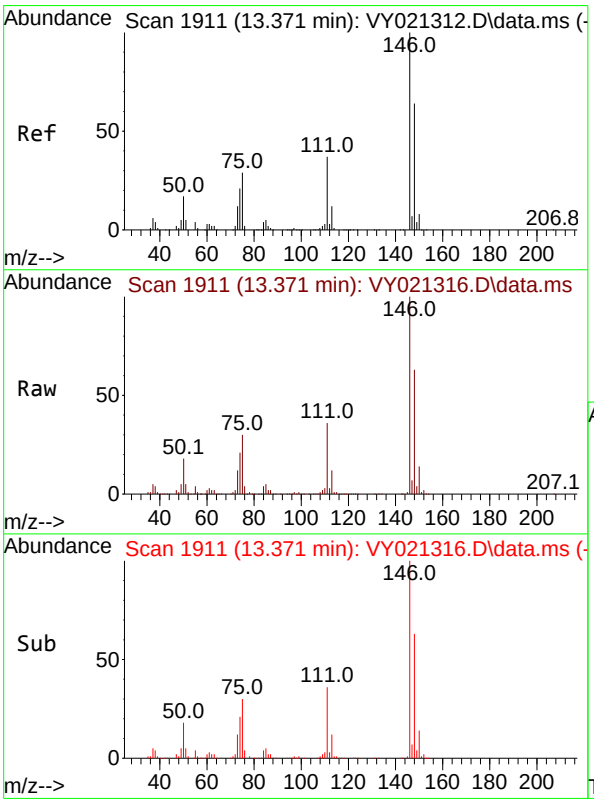
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.6	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

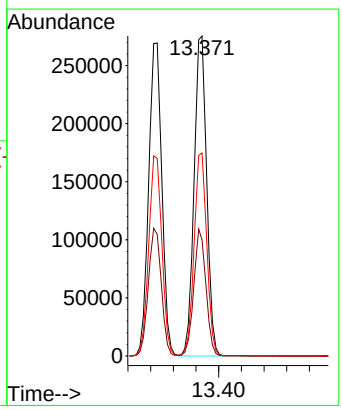
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

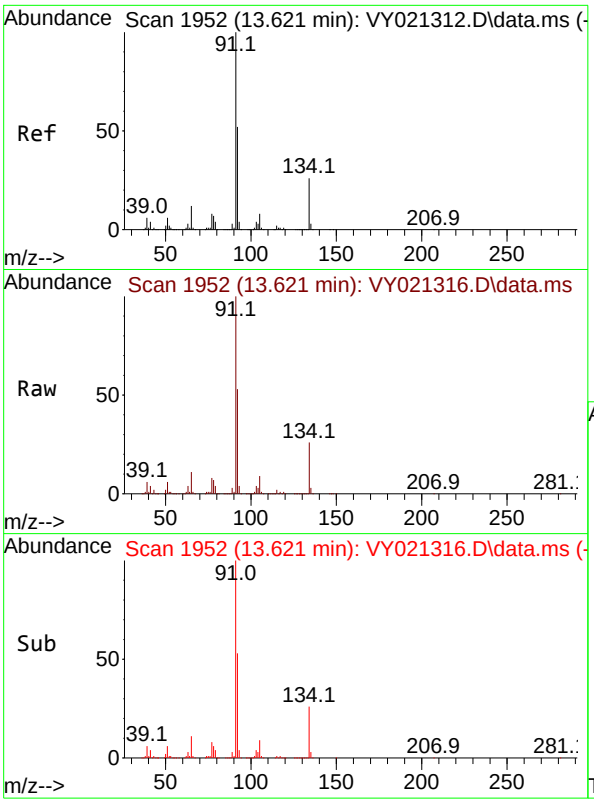


#88
1,4-Dichlorobenzene
Concen: 95.343 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 425301

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.5	58.5
148	63.7	32.0	96.2

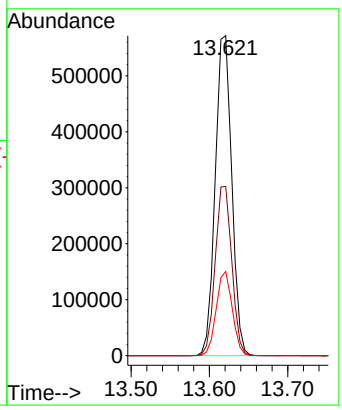




#89
n-Butylbenzene
Concen: 100.683 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 84023

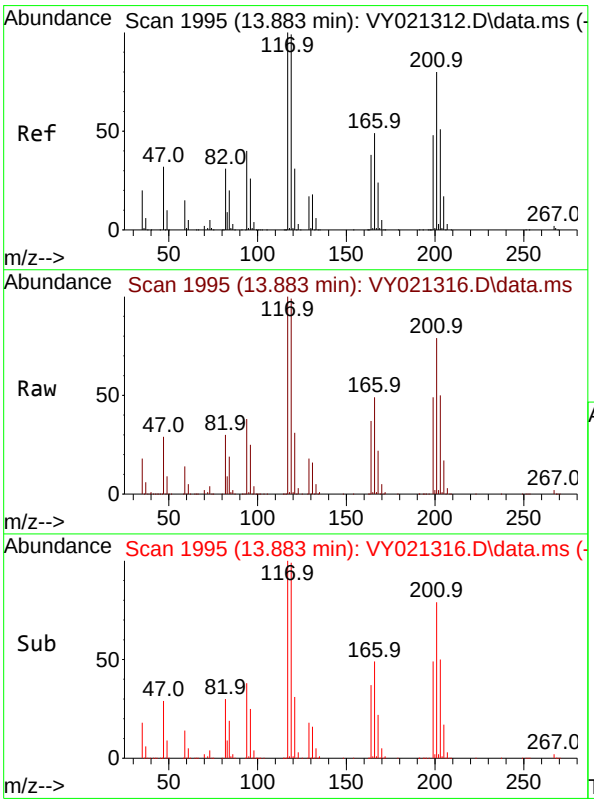
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	25.5	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

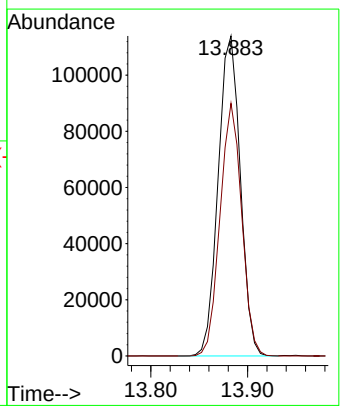
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

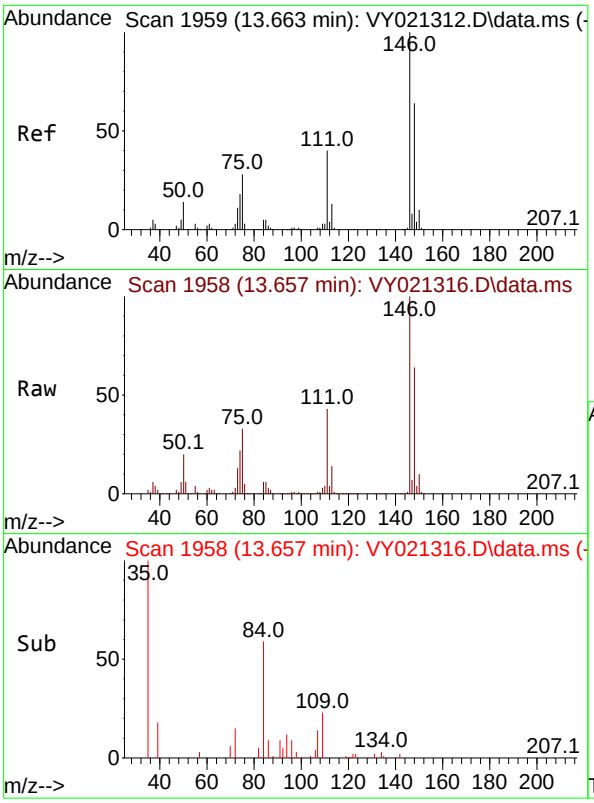


#90
Hexachloroethane
Concen: 97.720 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 181015

Ion	Ratio	Lower	Upper
117	100		
201	77.1	38.4	115.2

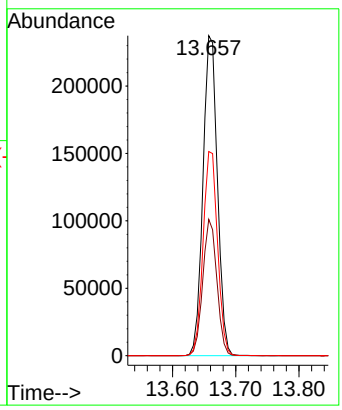




#91
1,2-Dichlorobenzene
Concen: 95.410 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 37745

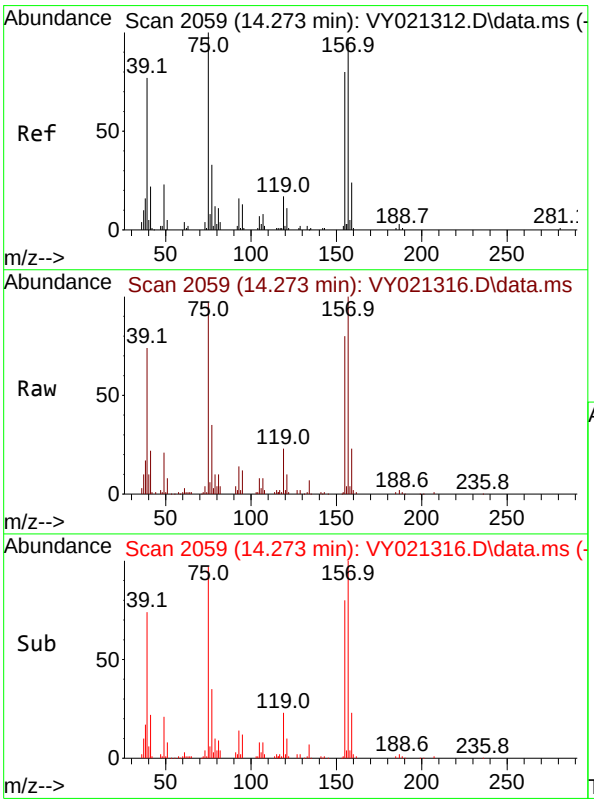
Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	64.1	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

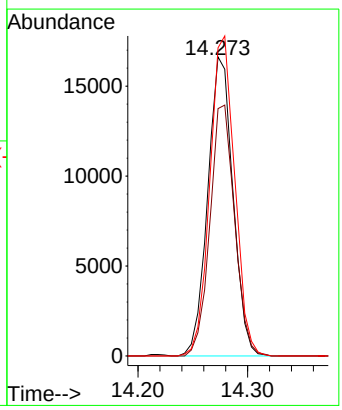
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

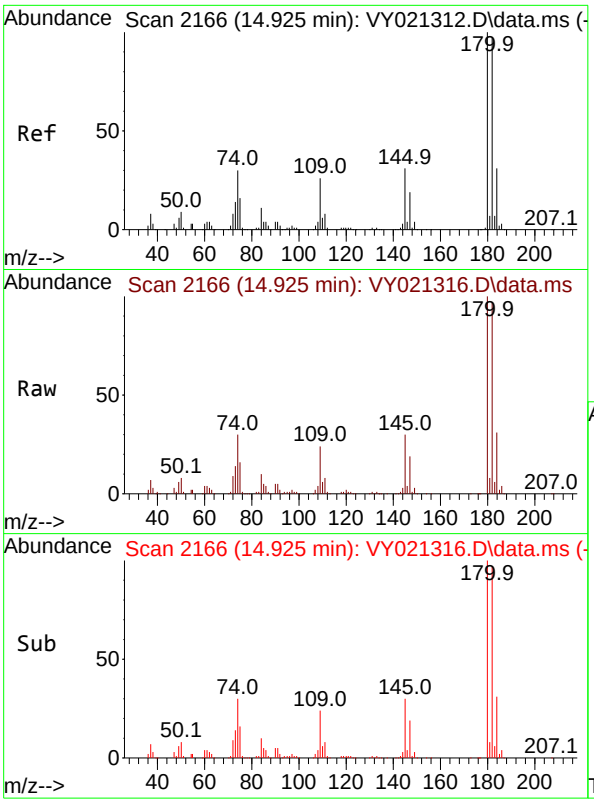


#92
1,2-Dibromo-3-Chloropropane
Concen: 96.867 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 26541

Ion	Ratio	Lower	Upper
75	100		
155	82.1	41.9	125.6
157	105.5	52.5	157.6

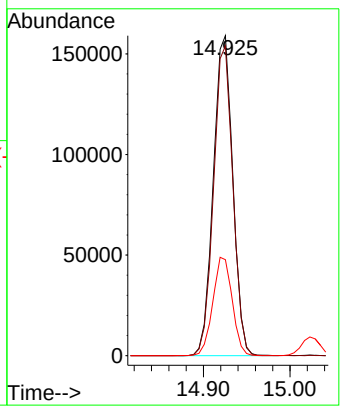




#93
1,2,4-Trichlorobenzene
Concen: 102.770 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:180 Resp: 24814

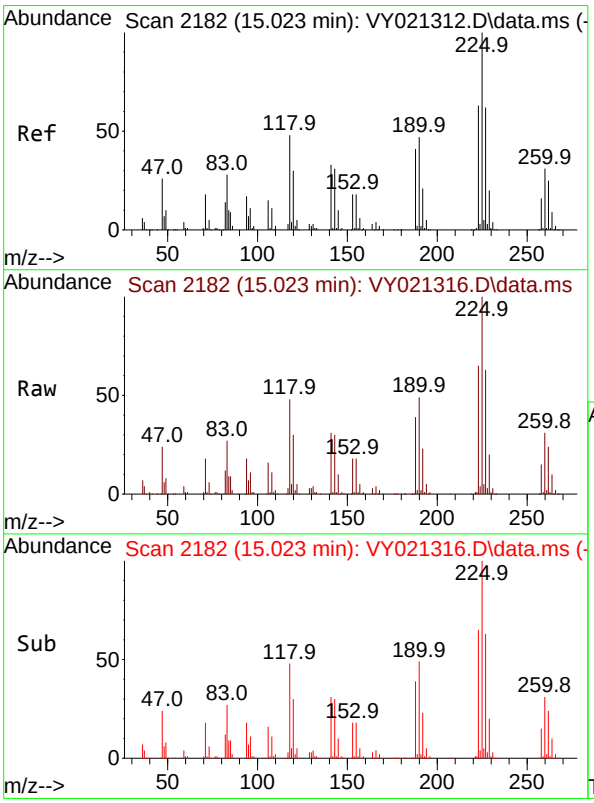
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	30.6	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

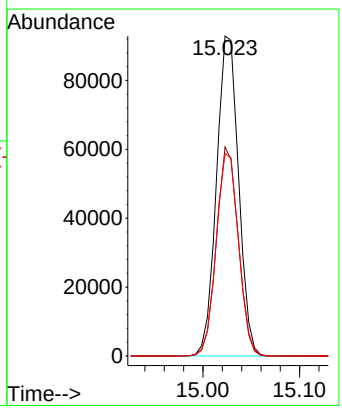
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

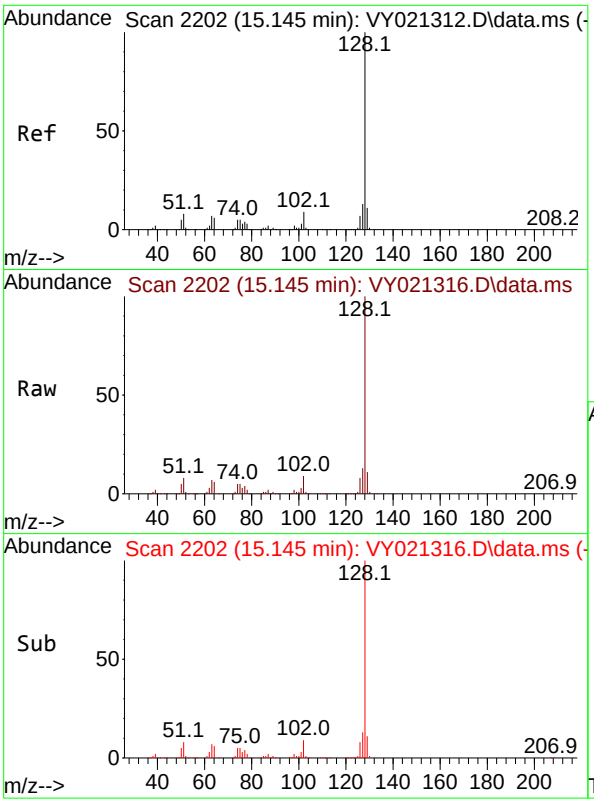


#94
Hexachlorobutadiene
Concen: 96.770 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:225 Resp: 147103

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.8	95.4
227	64.4	31.9	95.7

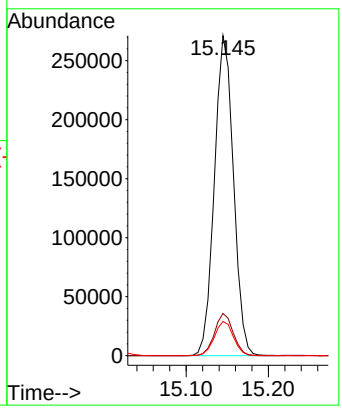




#95
Naphthalene
Concen: 109.220 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:128 Resp: 43681

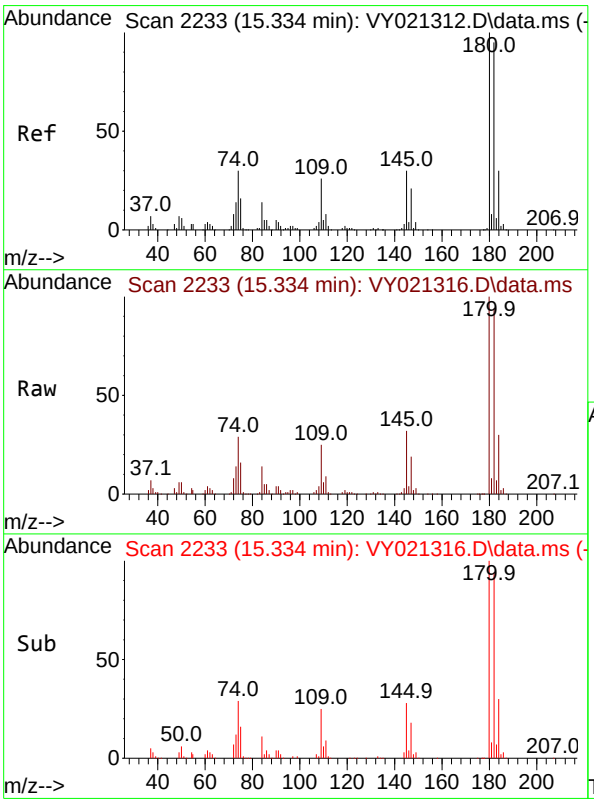
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

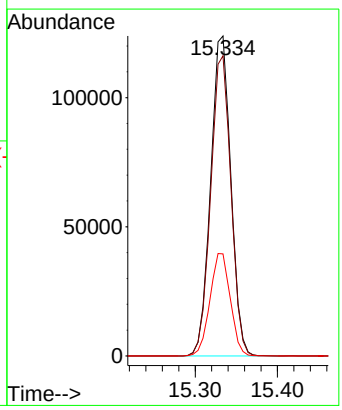
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 103.581 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:180 Resp: 211313

Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.3	144.9
145	32.3	16.1	48.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	183832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	292214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	257123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98960	47.453	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.900%			
35) Dibromofluoromethane	7.634	113	93944	49.037	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.080%			
50) Toluene-d8	10.109	98	360528	48.694	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.380%			
62) 4-Bromofluorobenzene	12.408	95	120972	48.549	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	93894	53.871	ug/l	98
3) Chloromethane	2.068	50	120479	53.523	ug/l	100
4) Vinyl Chloride	2.202	62	121922	55.184	ug/l	98
5) Bromomethane	2.598	94	77054	52.483	ug/l	100
6) Chloroethane	2.732	64	75086	54.804	ug/l	99
7) Trichlorofluoromethane	3.062	101	178123	53.384	ug/l	94
8) Diethyl Ether	3.458	74	54929	54.849	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	104678	54.188	ug/l	98
10) Methyl Iodide	4.007	142	124707	61.361	ug/l	100
11) Tert butyl alcohol	4.848	59	35572	221.762	ug/l	100
12) 1,1-Dichloroethene	3.793	96	100075	54.104	ug/l	98
13) Acrolein	3.653	56	6337	51.554	ug/l	95
14) Allyl chloride	4.385	41	181554	55.361	ug/l	99
15) Acrylonitrile	5.055	53	118343	267.274	ug/l	99
16) Acetone	3.866	43	90886	227.197	ug/l	99
17) Carbon Disulfide	4.104	76	335241	54.581	ug/l	100
18) Methyl Acetate	4.385	43	51200	52.372	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	265419	54.311	ug/l	97
20) Methylene Chloride	4.616	84	110456	51.062	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	112082	55.044	ug/l	99
22) Diisopropyl ether	6.018	45	377281	55.595	ug/l	99
23) Vinyl Acetate	5.957	43	1116005	275.197	ug/l	100
24) 1,1-Dichloroethane	5.915	63	210383	55.004	ug/l	99
25) 2-Butanone	6.890	43	152895	253.246	ug/l	97
26) 2,2-Dichloropropane	6.884	77	187045	53.893	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	130921	56.305	ug/l	98
28) Bromochloromethane	7.244	49	80309	47.452	ug/l	99
29) Tetrahydrofuran	7.262	42	102673	260.172	ug/l	99
30) Chloroform	7.421	83	213255	55.023	ug/l	98
31) Cyclohexane	7.701	56	191850	52.180	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	194325	55.084	ug/l	98
36) 1,1-Dichloropropene	7.835	75	157102	54.593	ug/l	100
37) Ethyl Acetate	6.982	43	72810	50.864	ug/l	99
38) Carbon Tetrachloride	7.817	117	175208	54.157	ug/l	99
39) Methylcyclohexane	9.109	83	197993	54.397	ug/l	99
40) Benzene	8.079	78	464323	54.583	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	39412	49.244	ug/l		96
42) 1,2-Dichloroethane	8.158	62	129718	53.746	ug/l		100
43) Isopropyl Acetate	8.195	43	145128	52.380	ug/l	#	87
44) Trichloroethene	8.865	130	116988	54.930	ug/l		100
45) 1,2-Dichloropropane	9.140	63	111498	54.464	ug/l		99
46) Dibromomethane	9.231	93	61031	54.539	ug/l		99
47) Bromodichloromethane	9.420	83	162580	54.489	ug/l		98
48) Methyl methacrylate	9.219	41	71360	55.076	ug/l		99
49) 1,4-Dioxane	9.225	88	13103	1053.076	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	372486	262.628	ug/l		100
52) Toluene	10.170	92	294219	55.674	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	152263	55.699	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	178951	55.451	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	77645	53.263	ug/l		98
56) Ethyl methacrylate	10.438	69	112155	55.679	ug/l		99
57) 1,3-Dichloropropane	10.719	76	139257	54.438	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	221395	228.990	ug/l		100
59) 2-Hexanone	10.761	43	246032	264.133	ug/l		99
60) Dibromochloromethane	10.914	129	107866	54.329	ug/l		100
61) 1,2-Dibromoethane	11.018	107	74447	53.942	ug/l		98
64) Tetrachloroethene	10.646	164	102887	52.940	ug/l		95
65) Chlorobenzene	11.444	112	314040	54.410	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	110179	54.517	ug/l		99
67) Ethyl Benzene	11.517	91	572425	55.992	ug/l		99
68) m/p-Xylenes	11.627	106	427892	111.274	ug/l		99
69) o-Xylene	11.956	106	202123	56.108	ug/l		99
70) Styrene	11.969	104	337489	56.307	ug/l		99
71) Bromoform	12.133	173	61959	53.590	ug/l	#	100
73) Isopropylbenzene	12.255	105	540978	56.974	ug/l		99
74) N-amyl acetate	12.072	43	133968	55.509	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	89240	53.254	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	56345m	44.570	ug/l		
77) Bromobenzene	12.536	156	122121	55.296	ug/l		98
78) n-propylbenzene	12.597	91	654255	56.783	ug/l		100
79) 2-Chlorotoluene	12.682	91	369065	55.813	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	440379	56.549	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	30268	53.216	ug/l		96
82) 4-Chlorotoluene	12.779	91	375340	54.757	ug/l		100
83) tert-Butylbenzene	12.999	119	393228	55.900	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	438538	56.621	ug/l		100
85) sec-Butylbenzene	13.176	105	571874	55.655	ug/l		99
86) p-Isopropyltoluene	13.292	119	484140	56.427	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	239404	54.800	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	233477	54.098	ug/l		99
89) n-Butylbenzene	13.621	91	459065	56.856	ug/l		100
90) Hexachloroethane	13.883	117	98634	55.035	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	208776	54.545	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13821	52.137	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	132464	56.703	ug/l		99
94) Hexachlorobutadiene	15.029	225	78745	53.541	ug/l		99
95) Naphthalene	15.151	128	222839	57.589	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	112466	56.980	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

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

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

ICAL Form

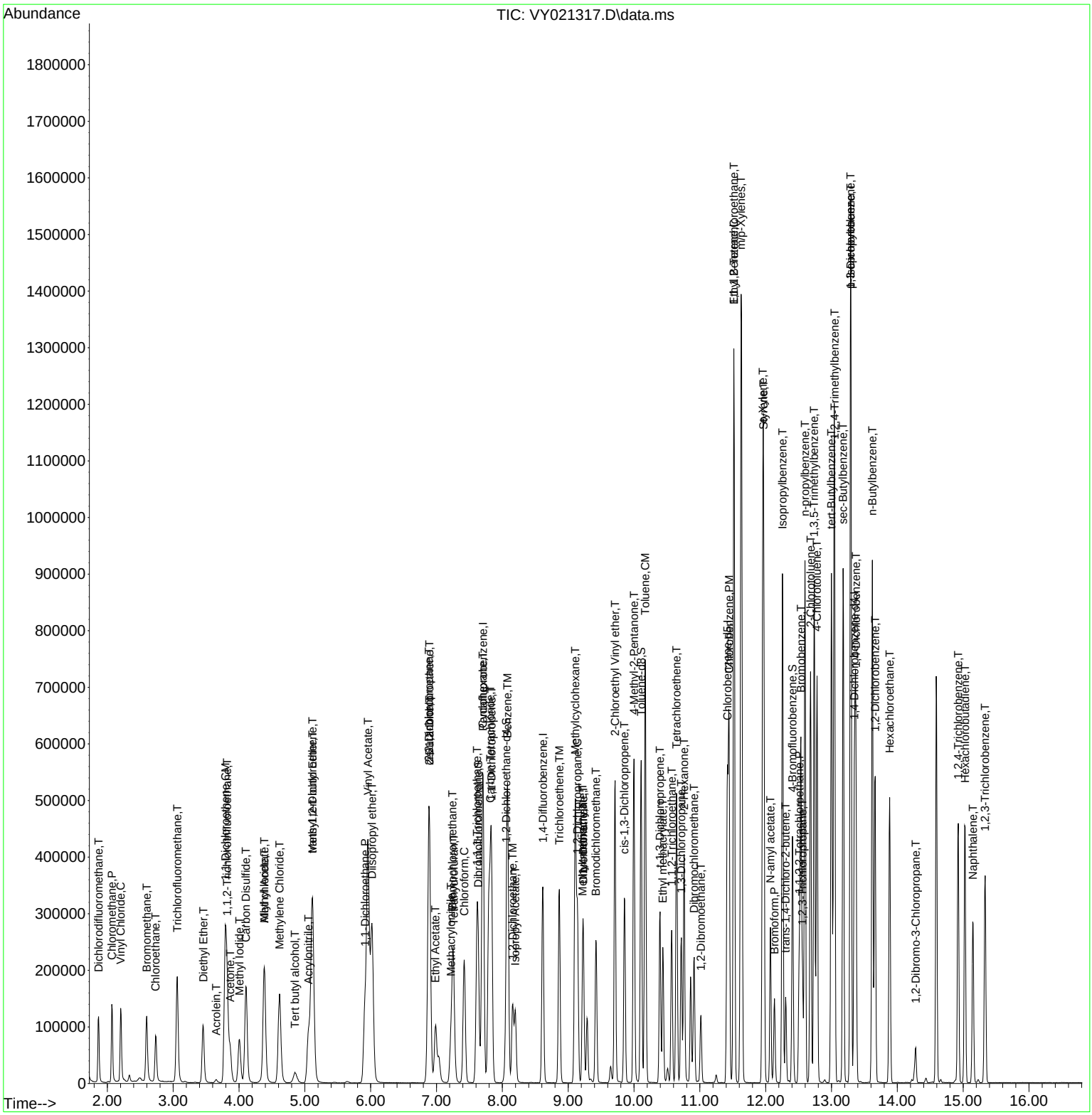
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

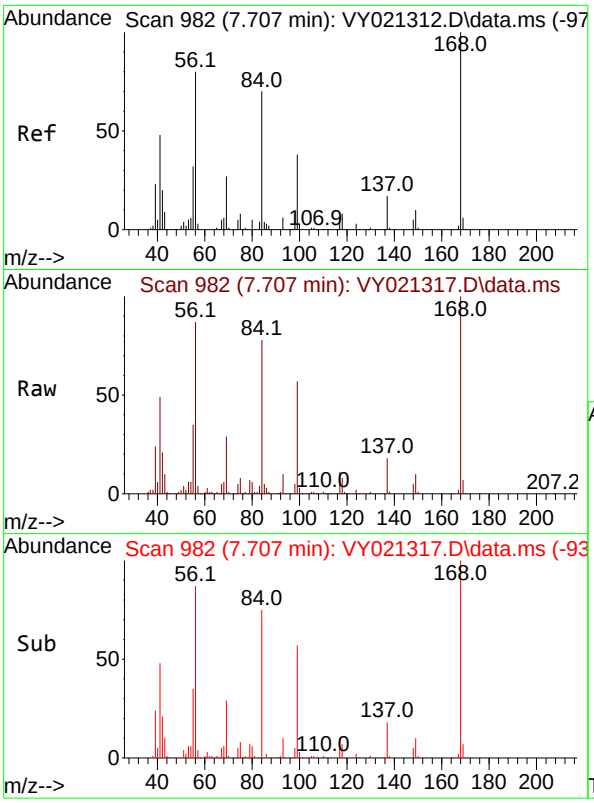
Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

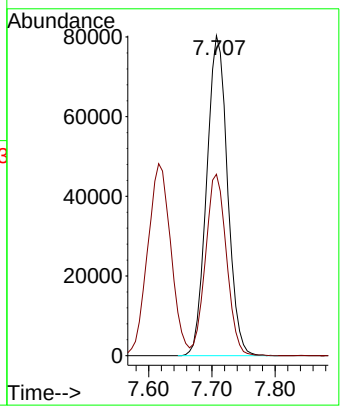
Tgt Ion:168 Resp: 18383

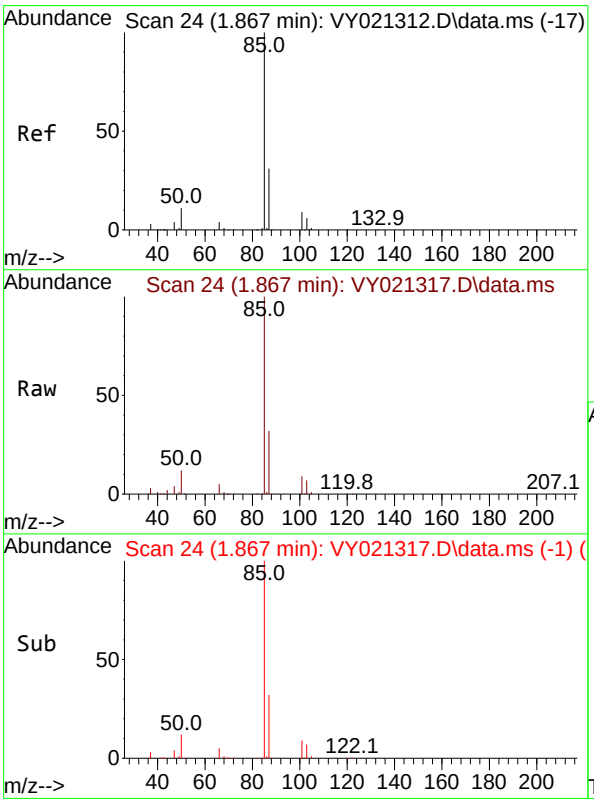
Ion	Ratio	Lower	Upper
168	100		
99	56.7	47.1	70.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

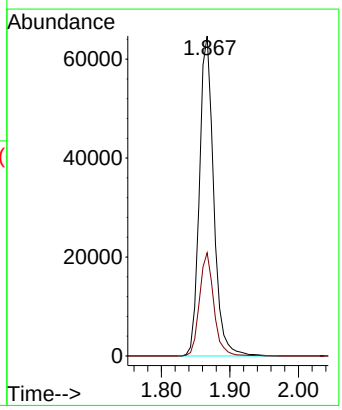


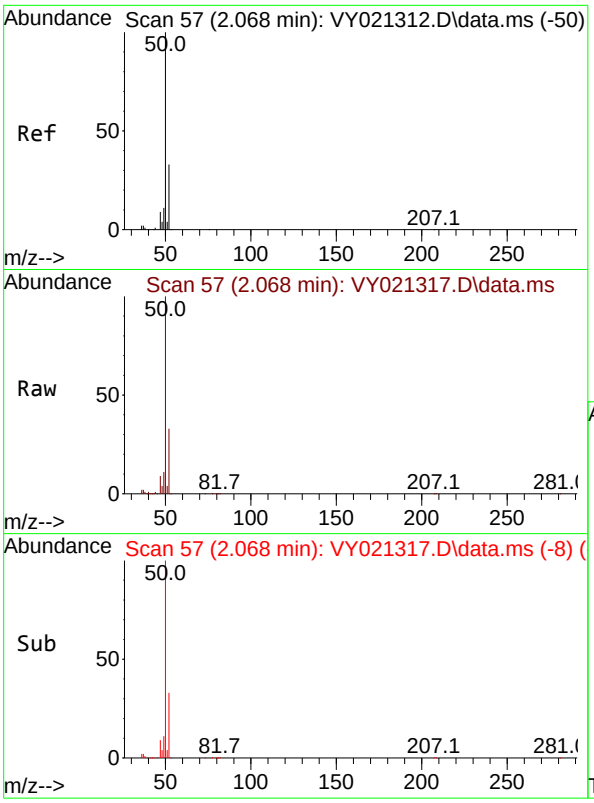


#2
Dichlorodifluoromethane
Concen: 53.871 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 85 Resp: 93894

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.4

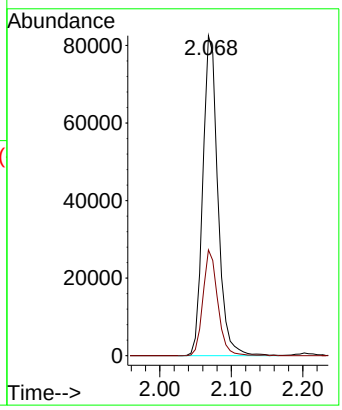




#3
Chloromethane
Concen: 53.523 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 50 Resp: 12047

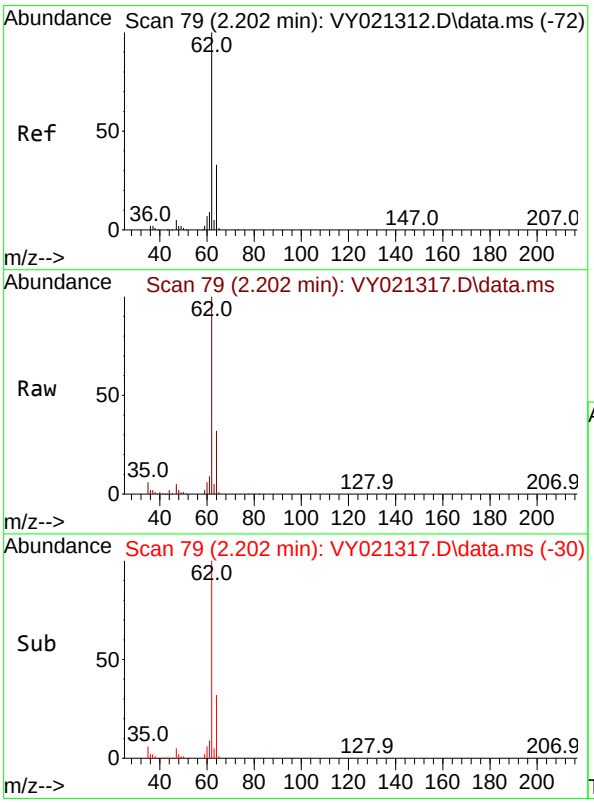
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

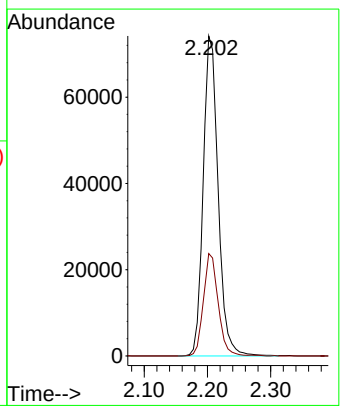
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

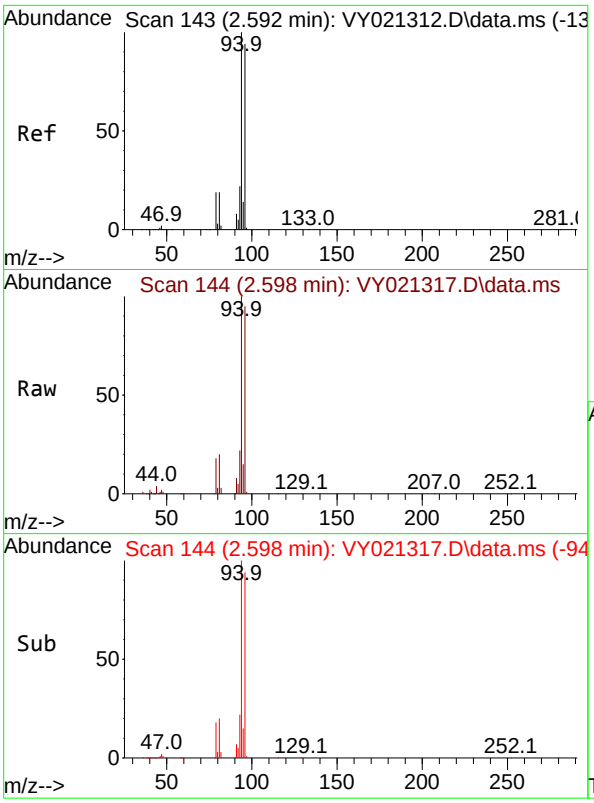


#4
Vinyl Chloride
Concen: 55.184 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 121922

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.3	39.5

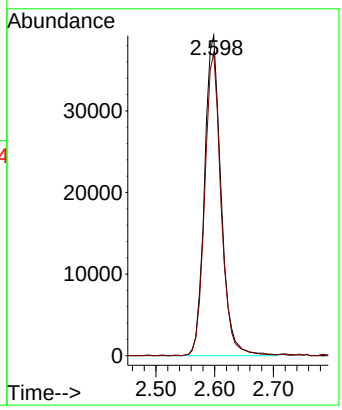




#5
Bromomethane
Concen: 52.483 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 94 Resp: 7705

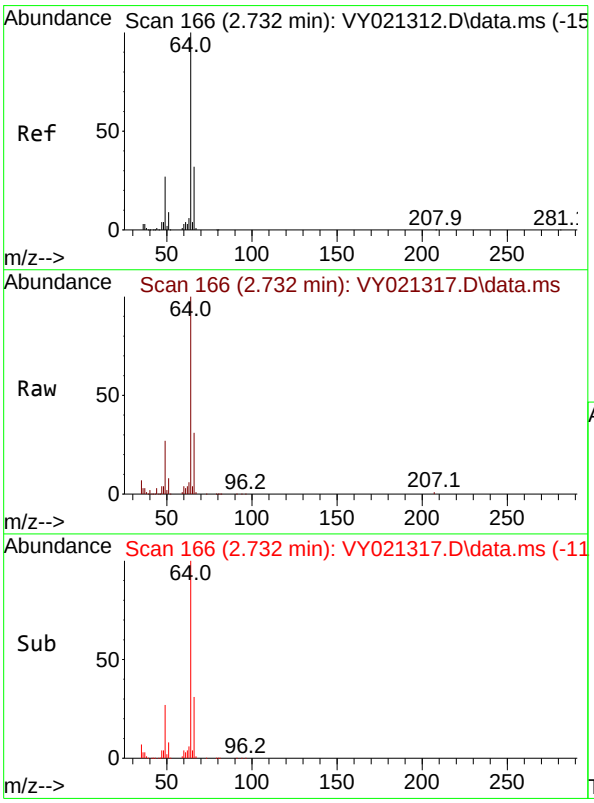
Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

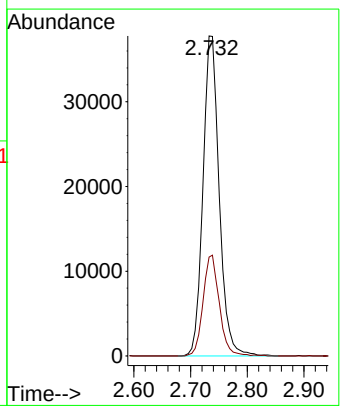
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

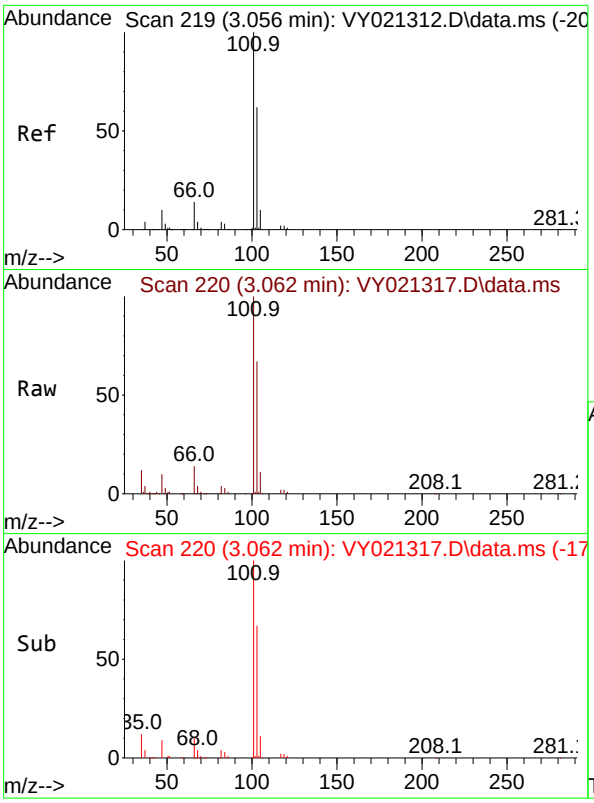


#6
Chloroethane
Concen: 54.804 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 64 Resp: 75086

Ion	Ratio	Lower	Upper
64	100		
66	30.9	25.4	38.0

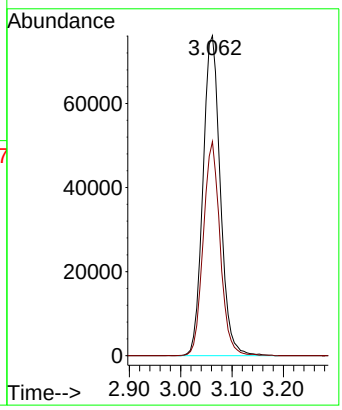




#7
Trichlorofluoromethane
Concen: 53.384 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:101 Resp: 17812

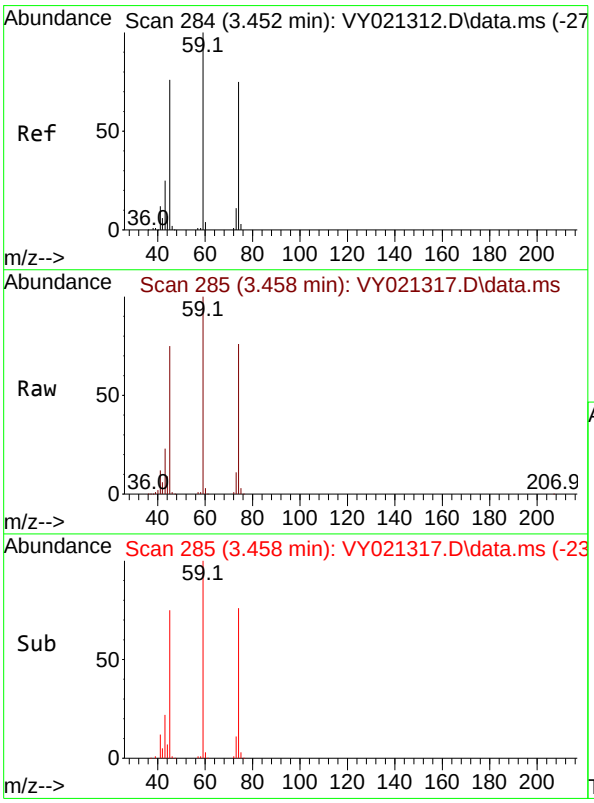
Ion	Ratio	Lower	Upper
101	100		
103	66.9	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

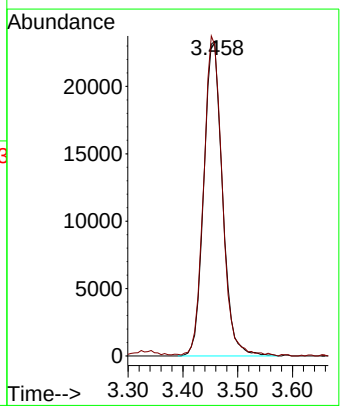
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

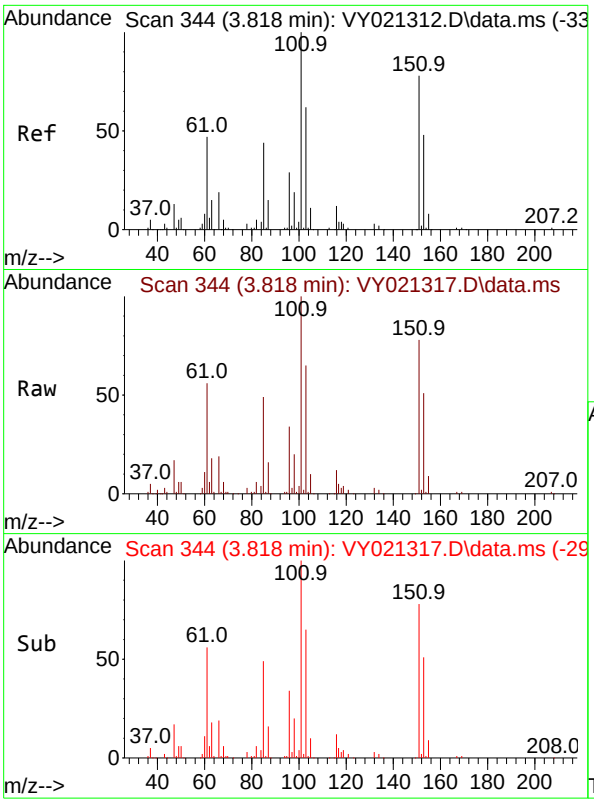


#8
Diethyl Ether
Concen: 54.849 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 74 Resp: 54929

Ion	Ratio	Lower	Upper
74	100		
45	101.8	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.188 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

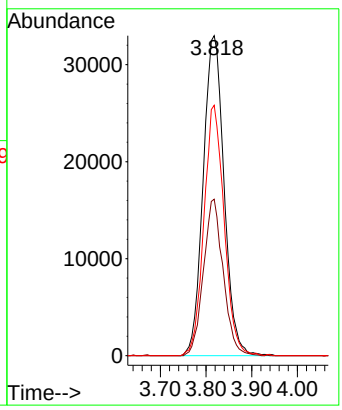
Tgt Ion:101 Resp: 10467

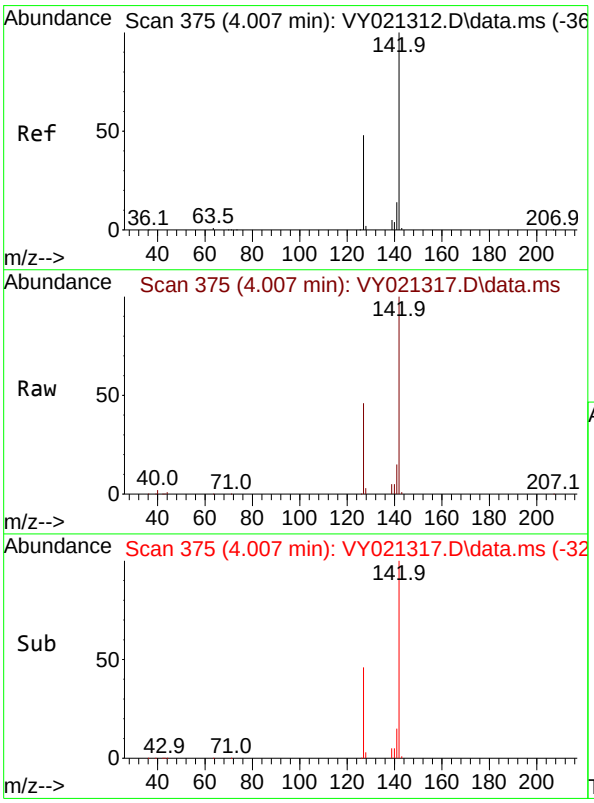
Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.7	55.1
151	75.8	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

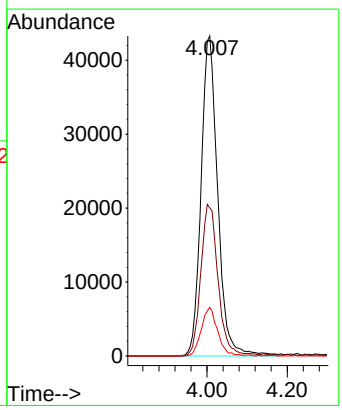


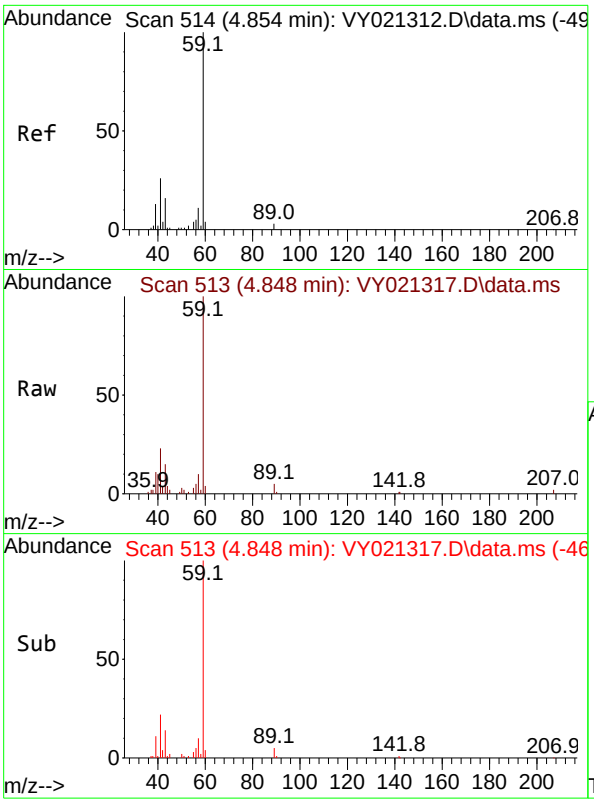


#10
Methyl Iodide
Concen: 61.361 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:142 Resp: 124707

Ion	Ratio	Lower	Upper
142	100		
127	49.0	39.2	58.8
141	14.8	11.4	17.2

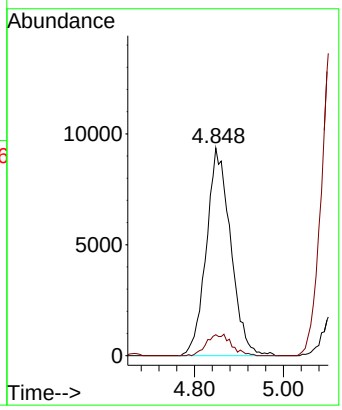




#11
Tert butyl alcohol
Concen: 221.762 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 59 Resp: 3557

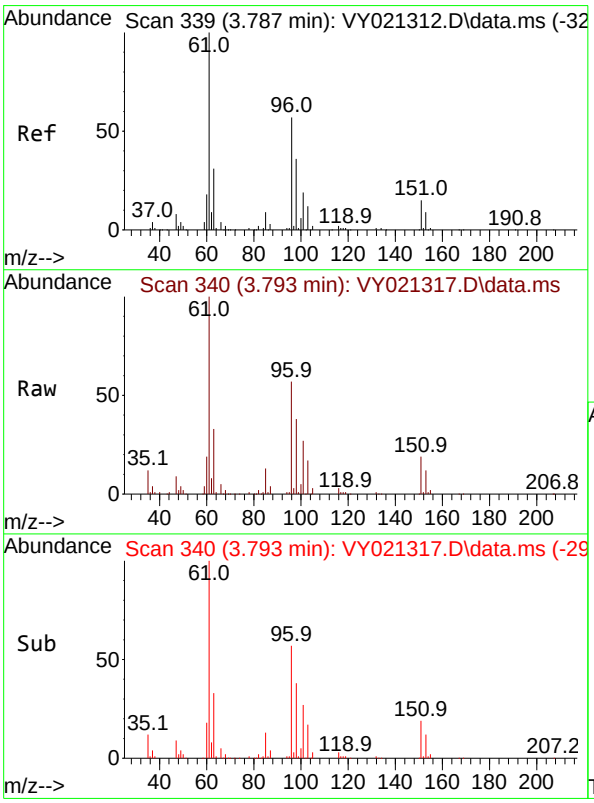
Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

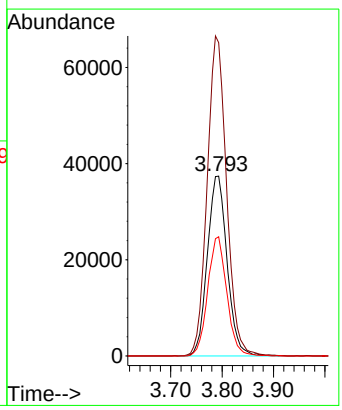
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

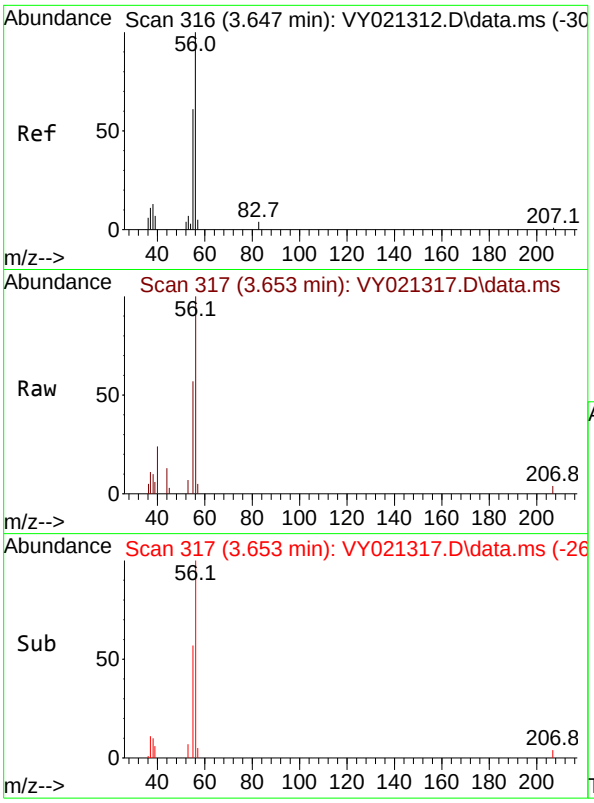


#12
1,1-Dichloroethene
Concen: 54.104 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 100075

Ion	Ratio	Lower	Upper
96	100		
61	174.2	139.7	209.5
98	66.3	49.7	74.5

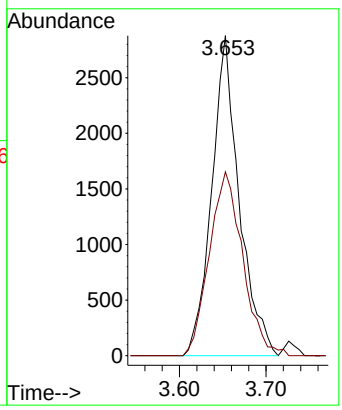




#13
Acrolein
Concen: 51.554 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 56 Resp: 633

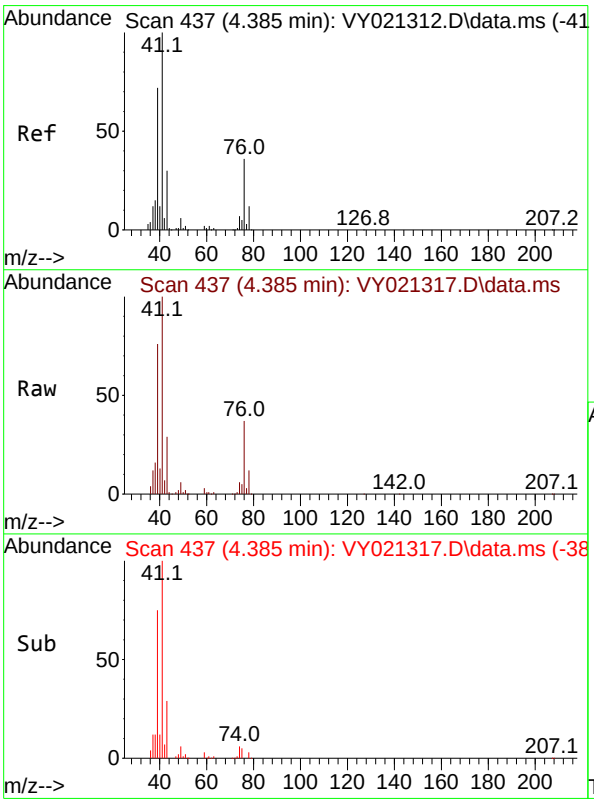
Ion	Ratio	Lower	Upper
56	100		
55	69.9	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

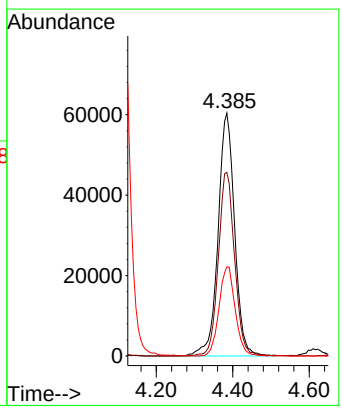
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

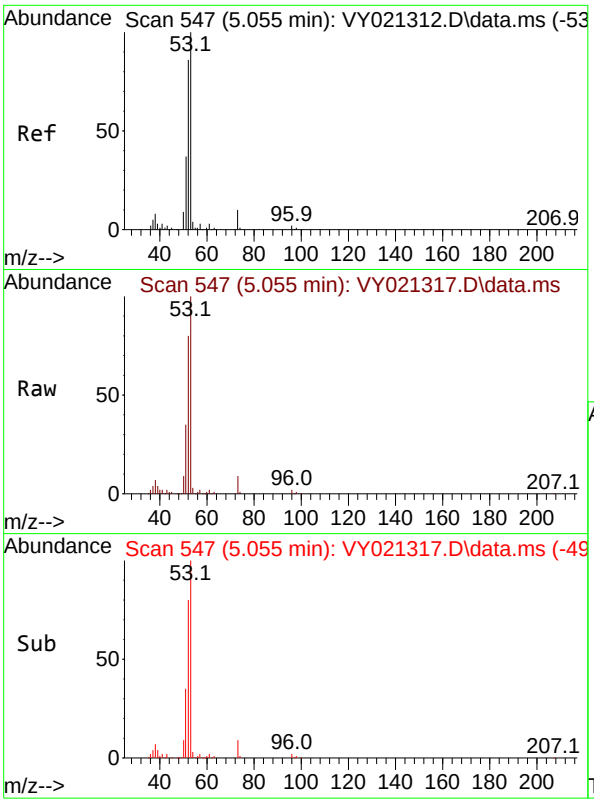


#14
Allyl chloride
Concen: 55.361 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 181554

Ion	Ratio	Lower	Upper
41	100		
39	74.4	60.0	90.0
76	35.8	29.0	43.6





#15
Acrylonitrile
Concen: 267.274 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

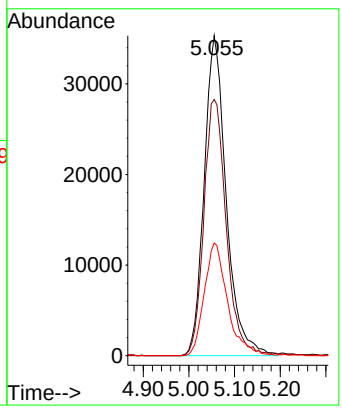
Tgt Ion: 53 Resp: 11834

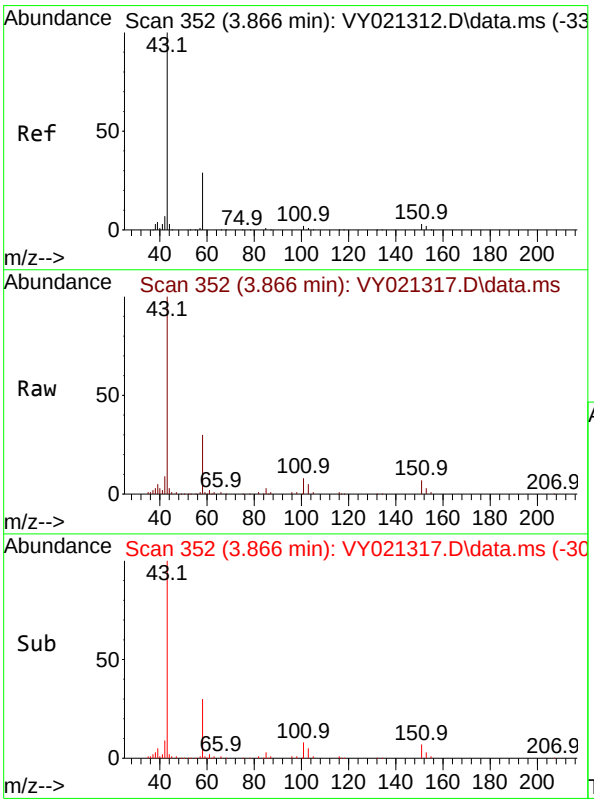
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.5	98.3
51	37.1	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

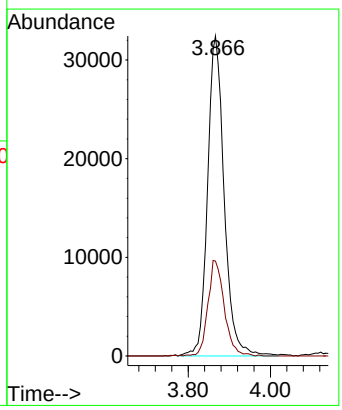


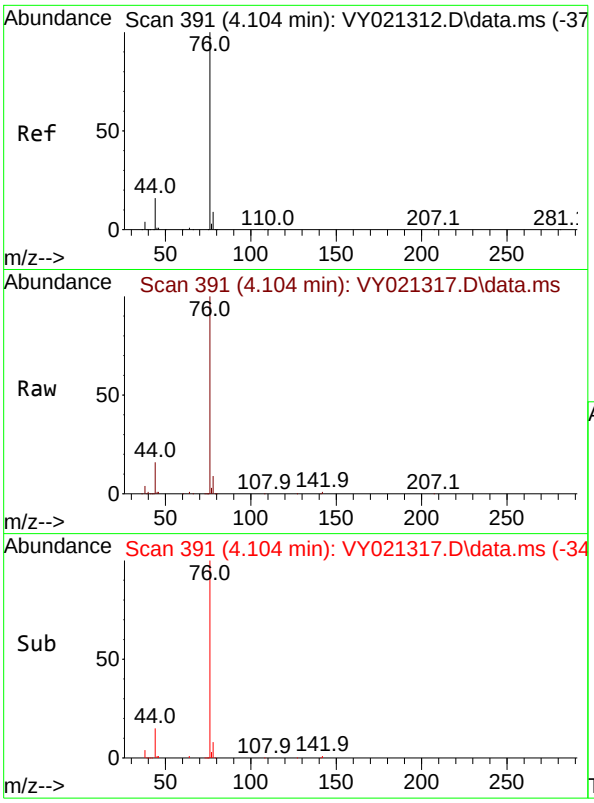


#16
Acetone
Concen: 227.197 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 90886

Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.5	35.3

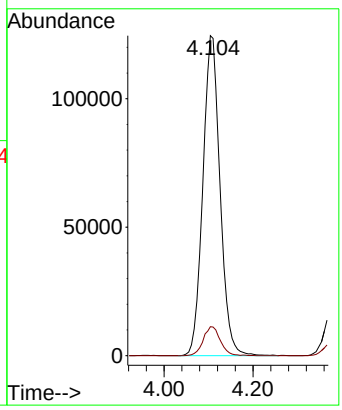




#17
Carbon Disulfide
Concen: 54.581 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 76 Resp: 33524

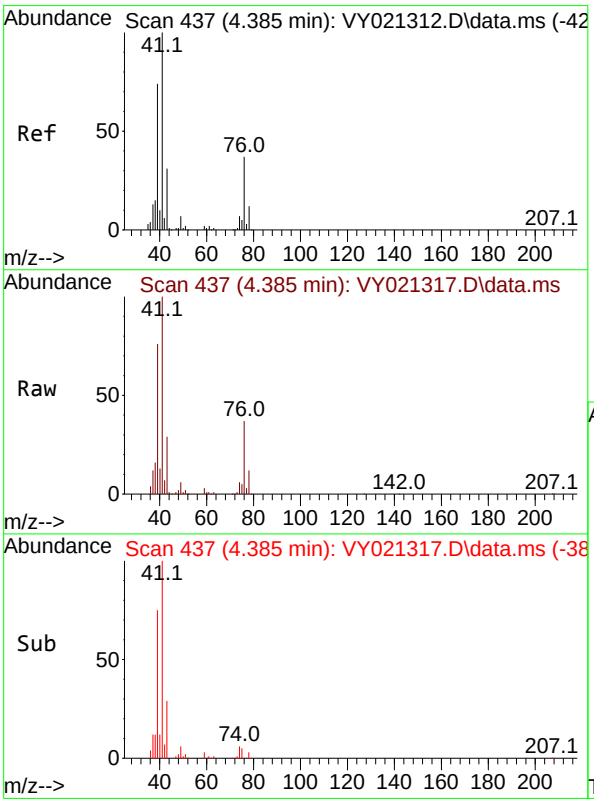
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

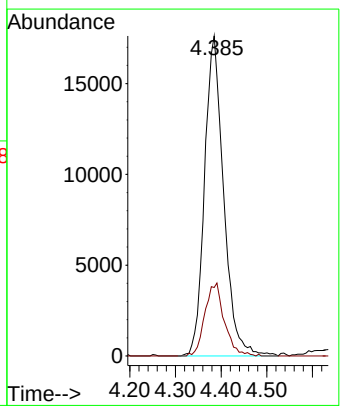
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

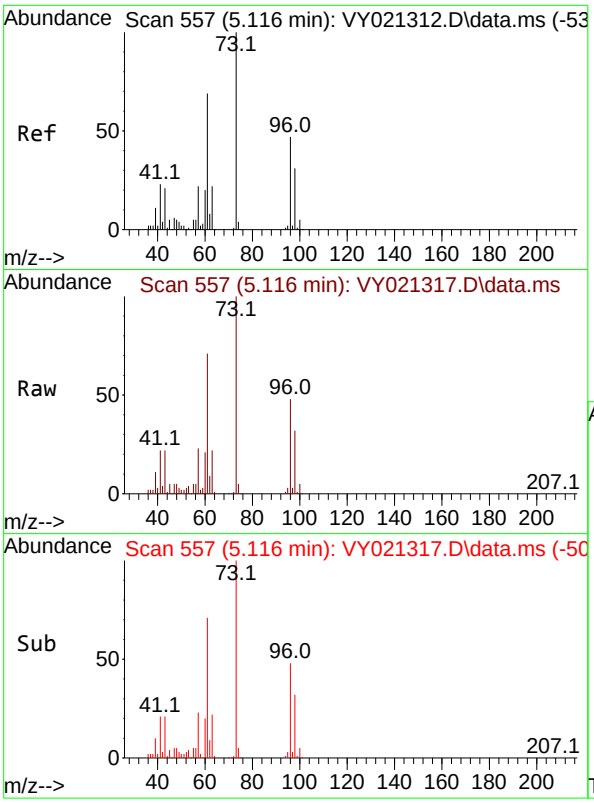


#18
Methyl Acetate
Concen: 52.372 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 51200

Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.7	26.5

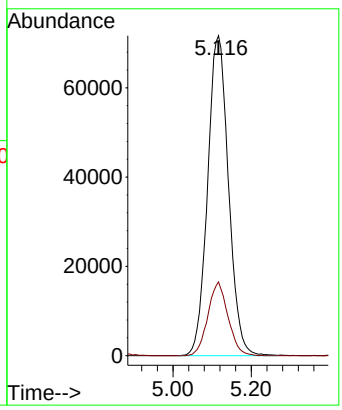




#19
Methyl tert-butyl Ether
Concen: 54.311 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 73 Resp: 26541

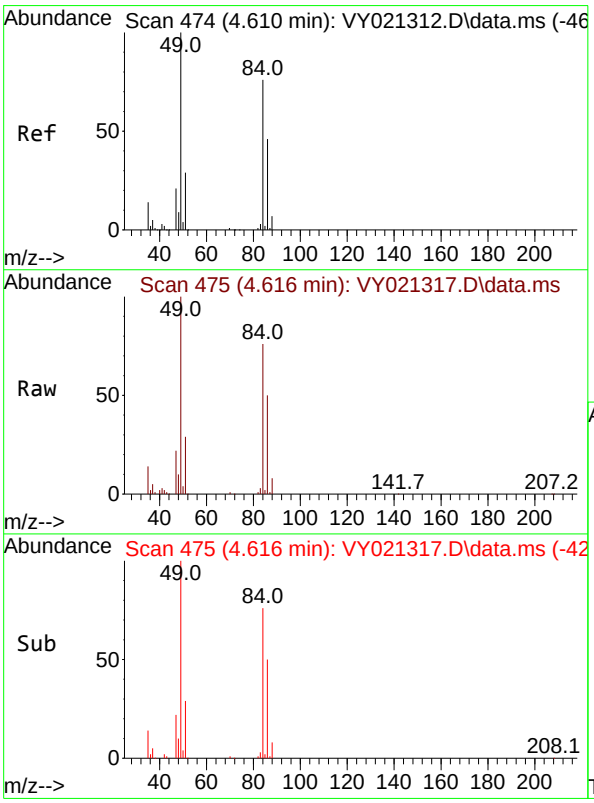
Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

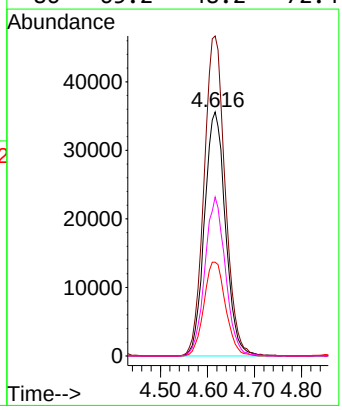
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

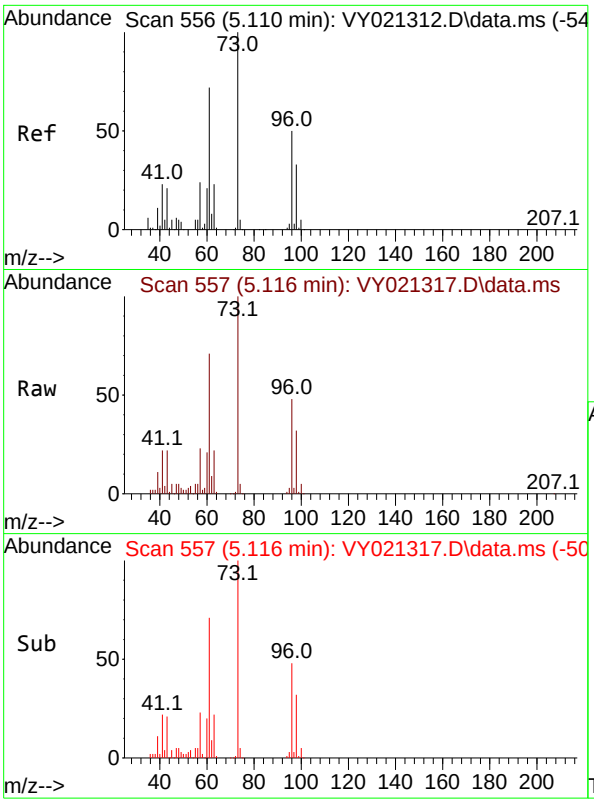


#20
Methylene Chloride
Concen: 51.062 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 84 Resp: 110456

Ion	Ratio	Lower	Upper
84	100		
49	131.2	105.1	157.7
51	38.4	31.0	46.4
86	65.2	48.2	72.4

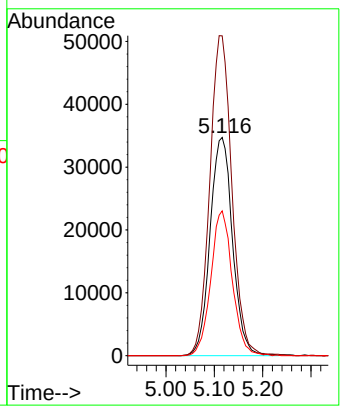




#21
trans-1,2-Dichloroethene
Concen: 55.044 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 11208

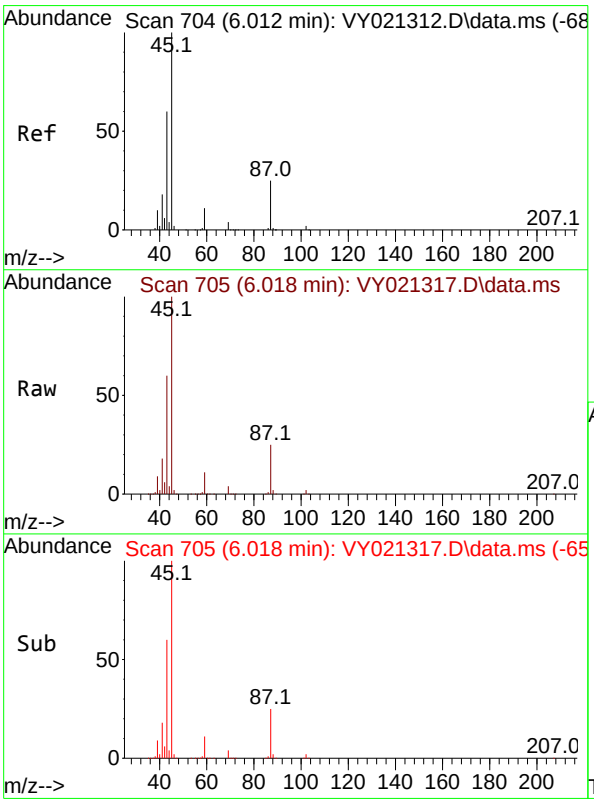
Ion	Ratio	Lower	Upper
96	100		
61	146.6	116.3	174.5
98	66.4	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

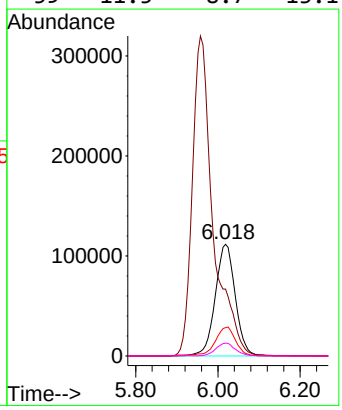
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

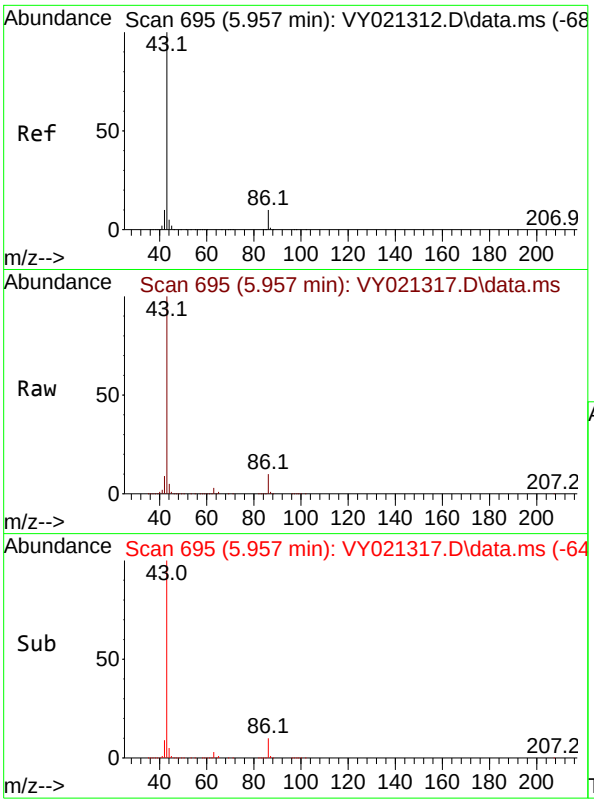


#22
Diisopropyl ether
Concen: 55.595 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 45 Resp: 377281

Ion	Ratio	Lower	Upper
45	100		
43	59.4	48.2	72.4
87	25.4	20.3	30.5
59	11.5	8.7	13.1

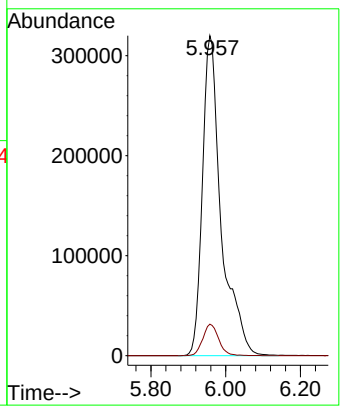




#23
Vinyl Acetate
Concen: 275.197 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 111600

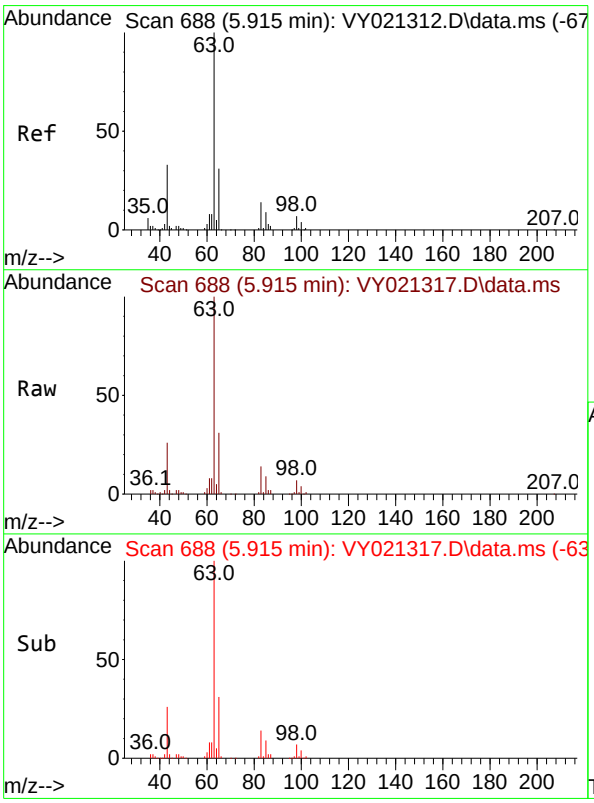
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

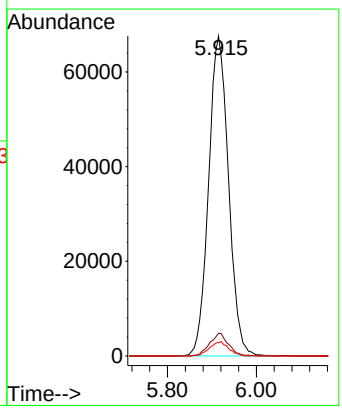
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

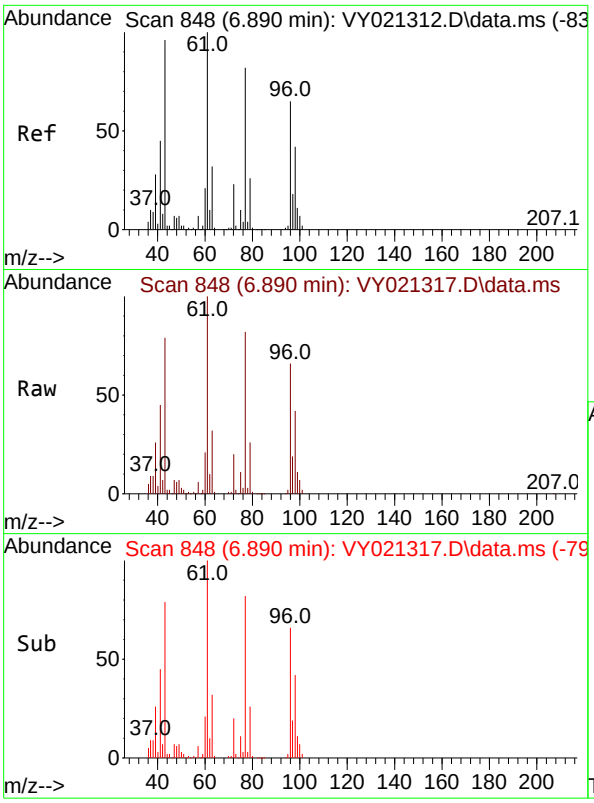


#24
1,1-Dichloroethane
Concen: 55.004 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 210383

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	4.2	2.1	6.5





#25
2-Butanone
Concen: 253.246 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

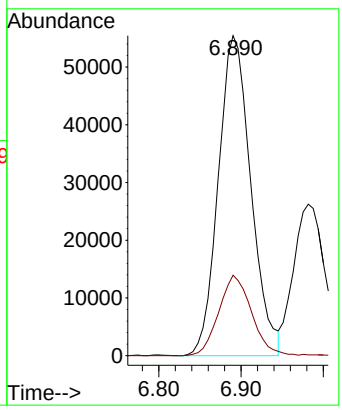
Tgt Ion: 43 Resp: 15289

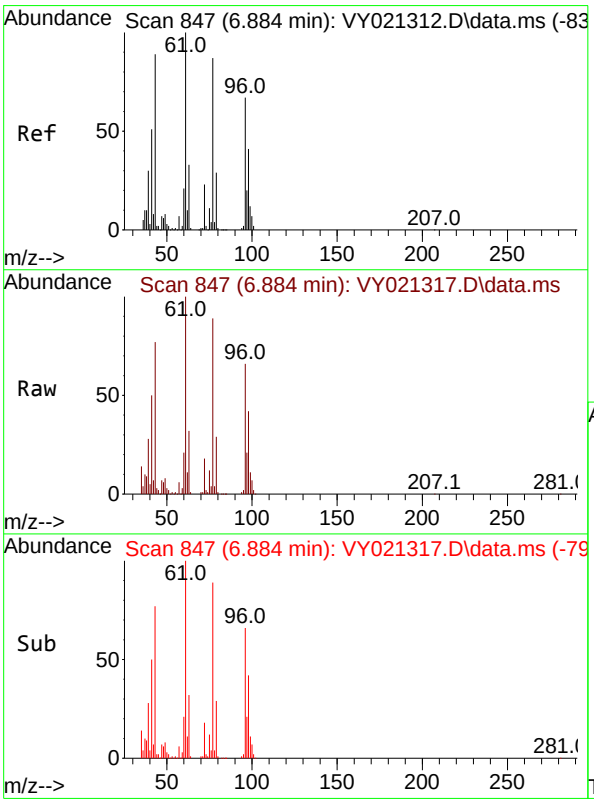
Ion	Ratio	Lower	Upper
43	100		
72	25.2	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

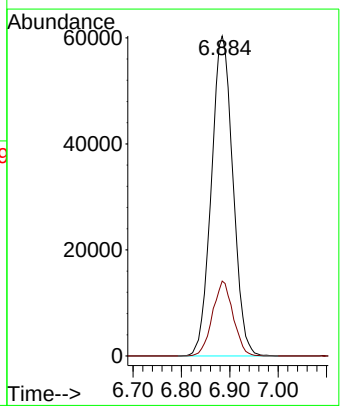


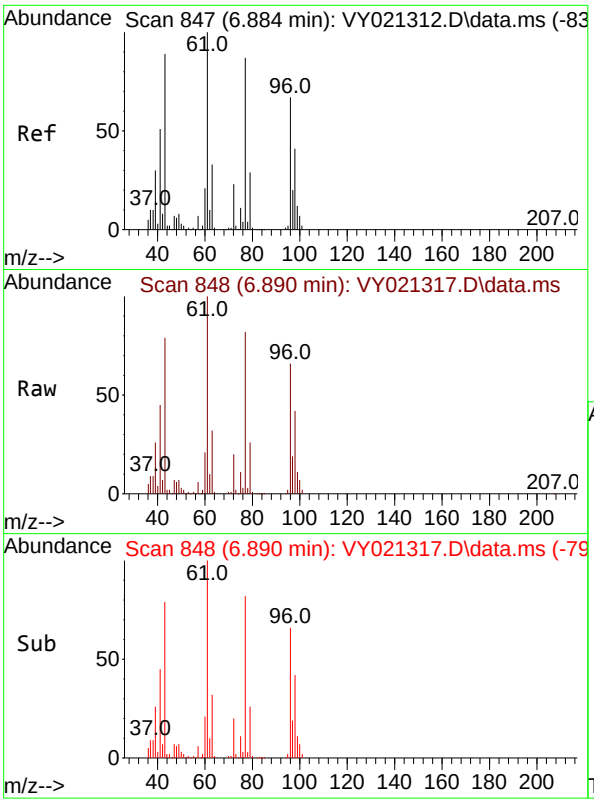


#26
2,2-Dichloropropane
Concen: 53.893 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 77 Resp: 187045

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7

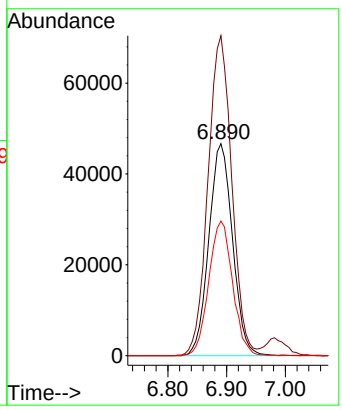




#27
cis-1,2-Dichloroethene
Concen: 56.305 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 13092

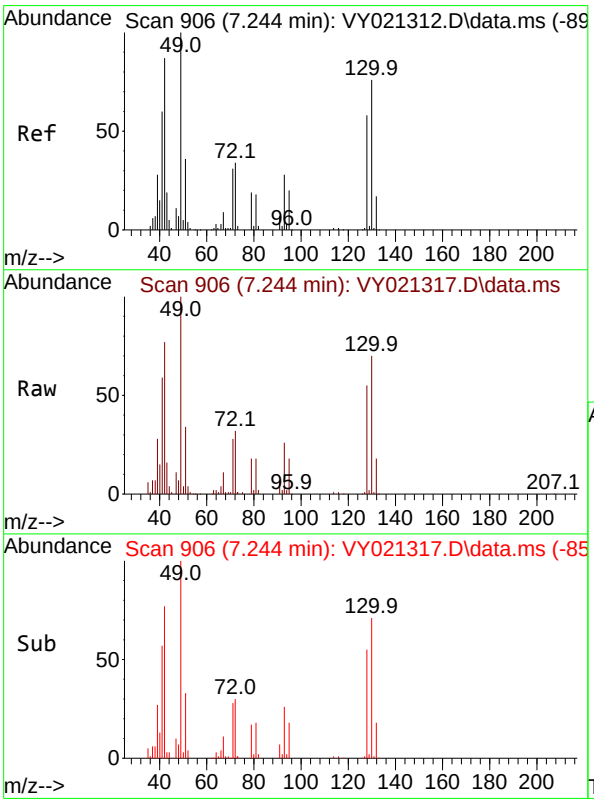
Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	308.0
98	63.7	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

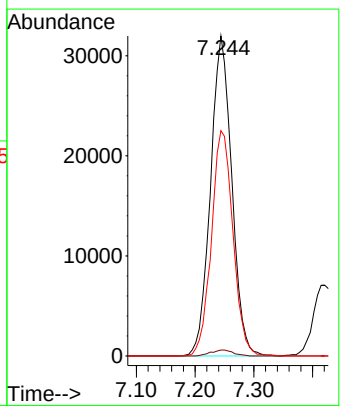
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

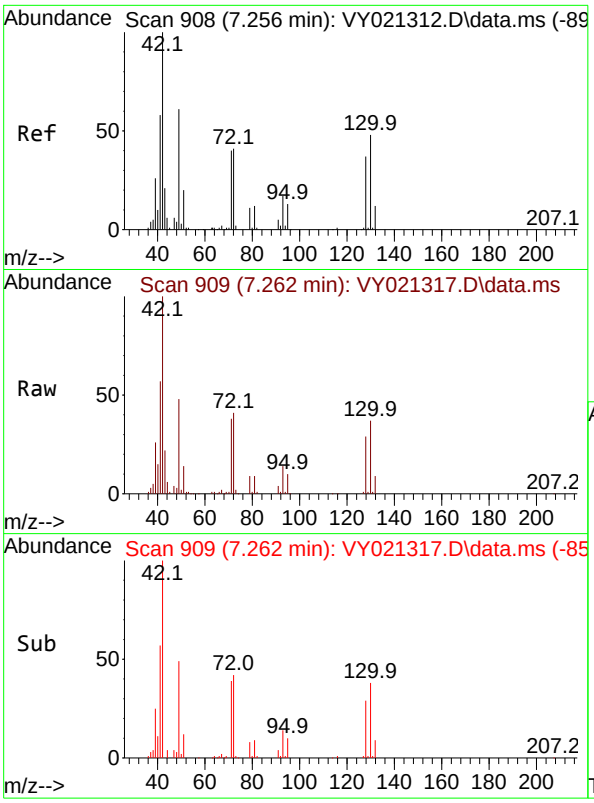


#28
Bromochloromethane
Concen: 47.452 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 49 Resp: 80309

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	71.5	57.8	86.6

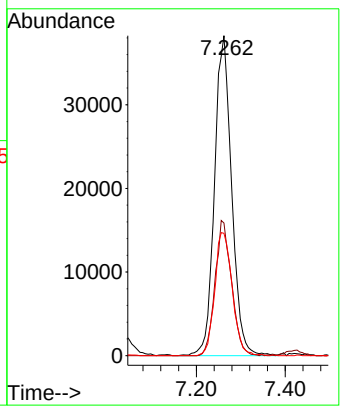




#29
Tetrahydrofuran
Concen: 260.172 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 42 Resp: 10267

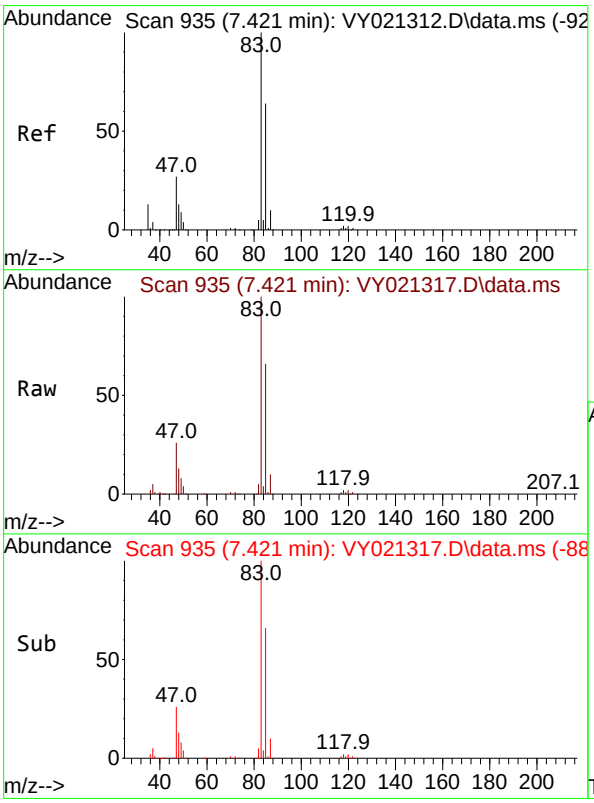
Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.1	49.7
71	39.2	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

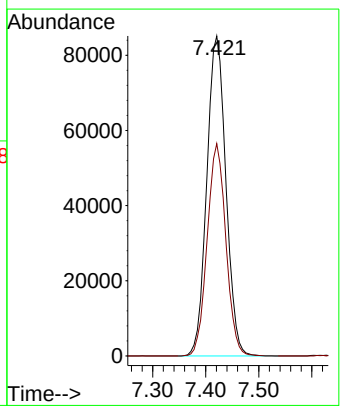
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

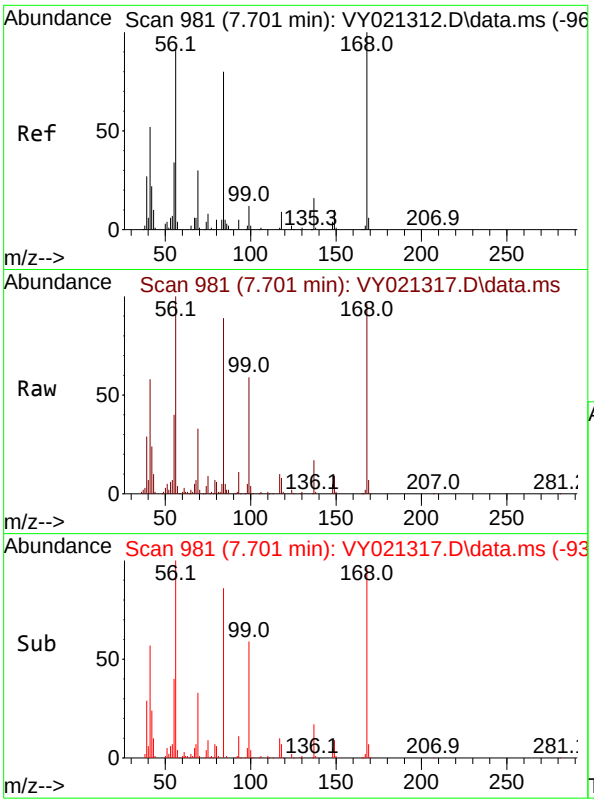


#30
Chloroform
Concen: 55.023 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 213255

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.6	77.4

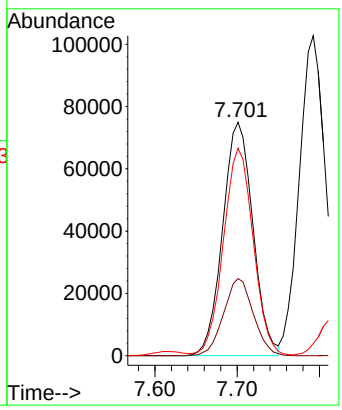




#31
Cyclohexane
Concen: 52.180 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 56 Resp: 19185

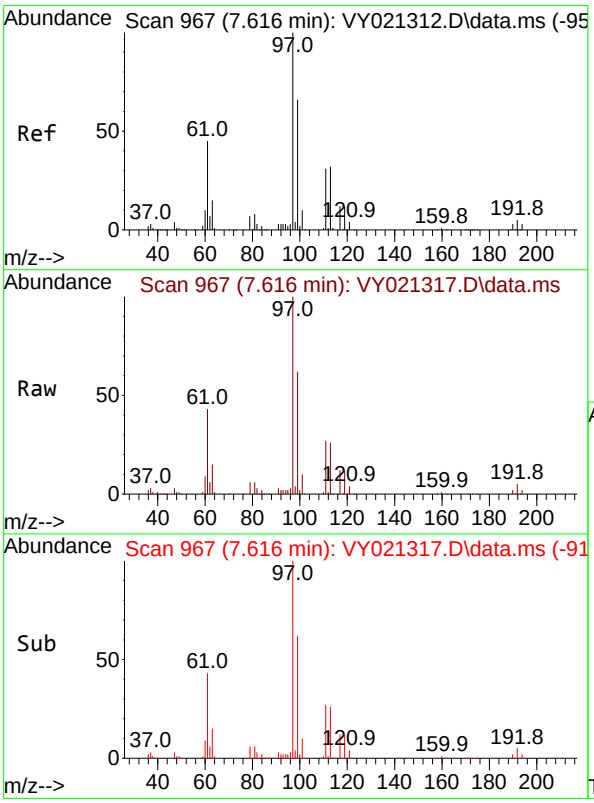
Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.2	39.4
84	87.3	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

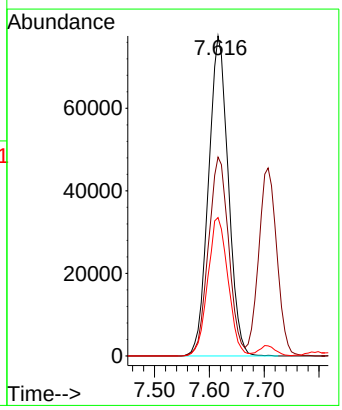
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

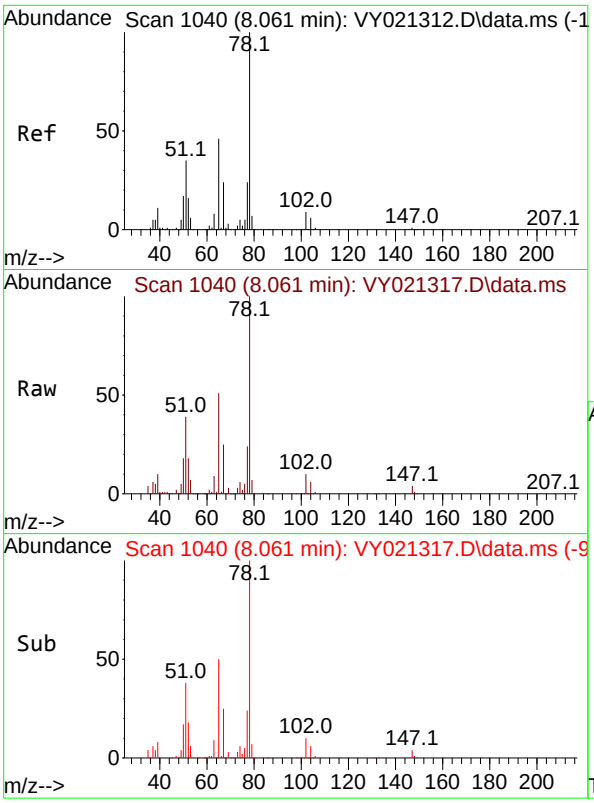


#32
1,1,1-Trichloroethane
Concen: 55.084 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 97 Resp: 194325

Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.4	78.6
61	44.3	36.2	54.2

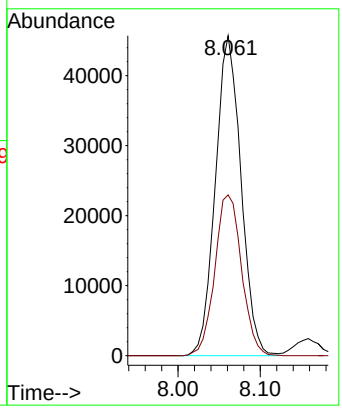




#33
1,2-Dichloroethane-d4
Concen: 47.453 ug/l
RT: 8.061 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 65 Resp: 9896(

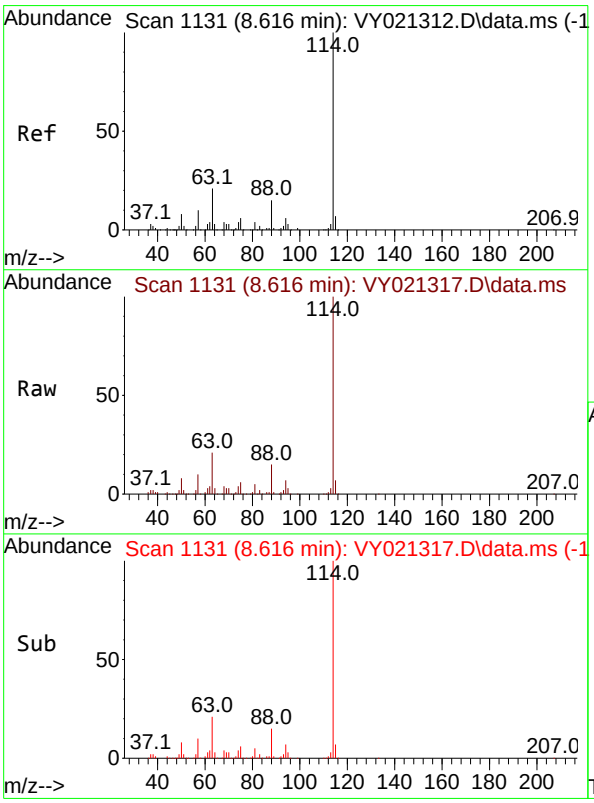
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

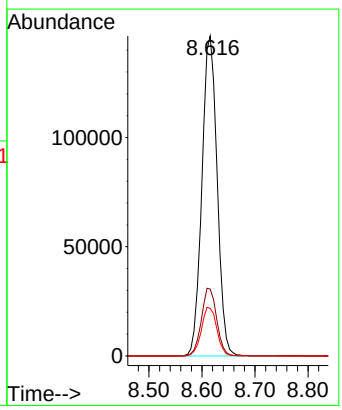
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

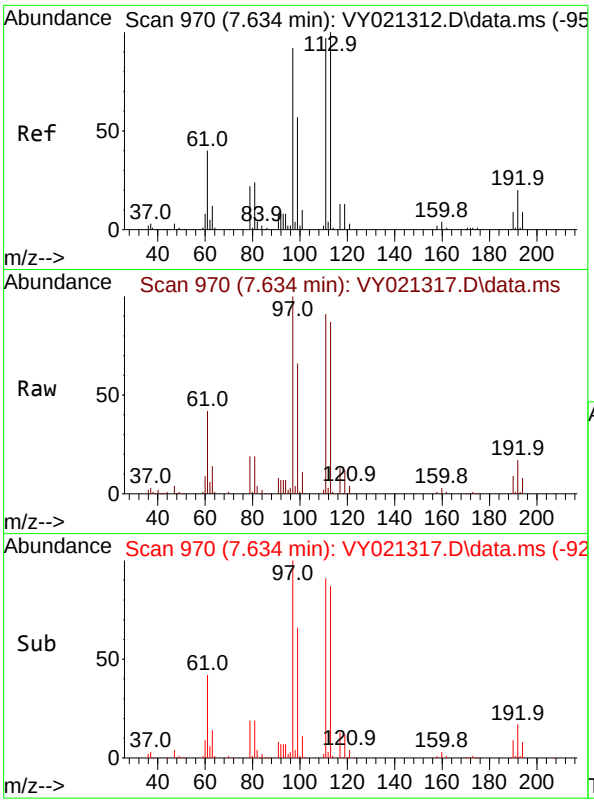


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:114 Resp: 292214

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.2
88	14.9	0.0	29.8

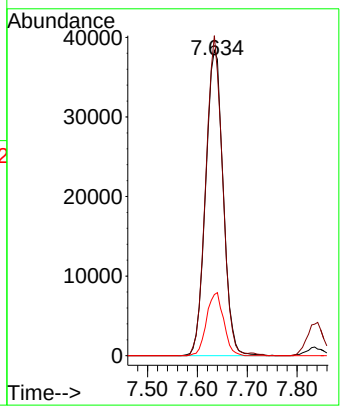




#35
Dibromofluoromethane
Concen: 49.037 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:113 Resp: 9394

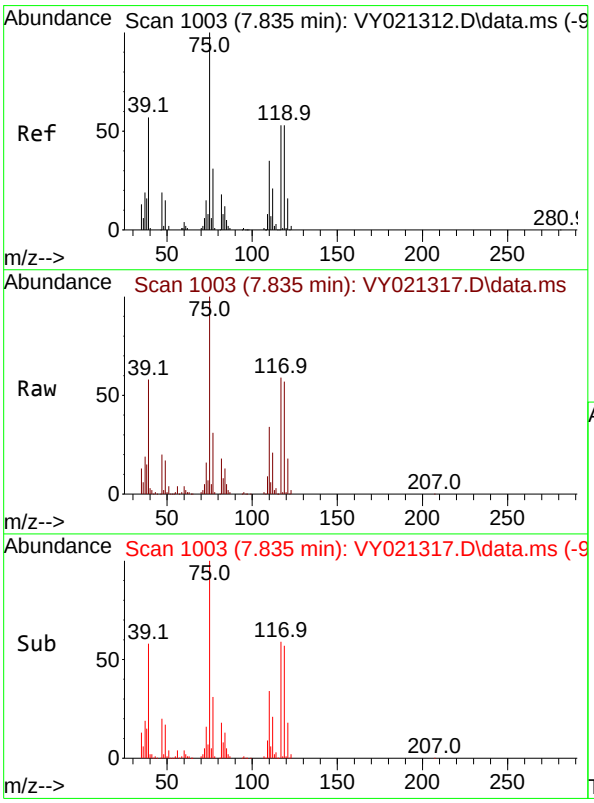
Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.0	121.6
192	20.1	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

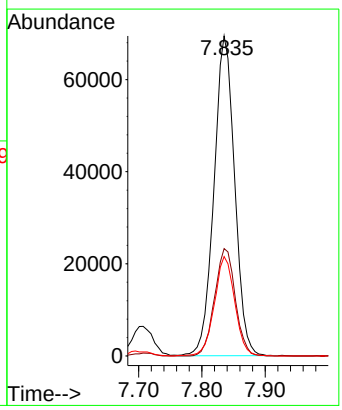
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

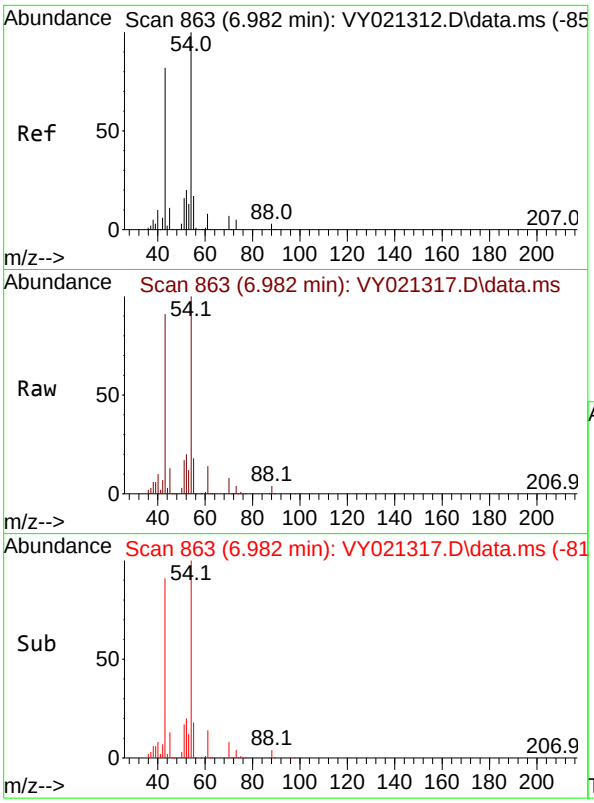


#36
1,1-Dichloropropene
Concen: 54.593 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 157102

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	30.7	24.6	36.8





#37
Ethyl Acetate
Concen: 50.864 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

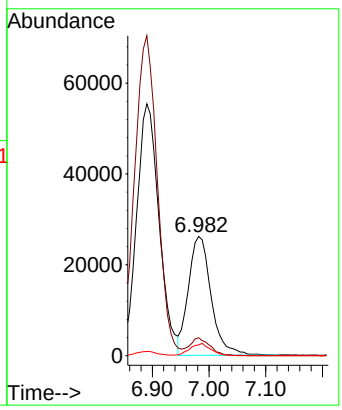
Tgt Ion: 43 Resp: 7281

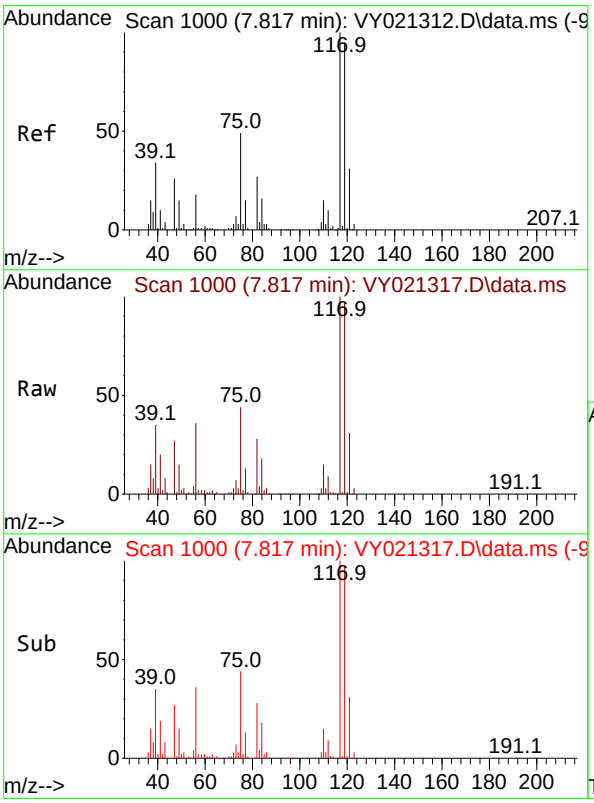
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	9.4	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

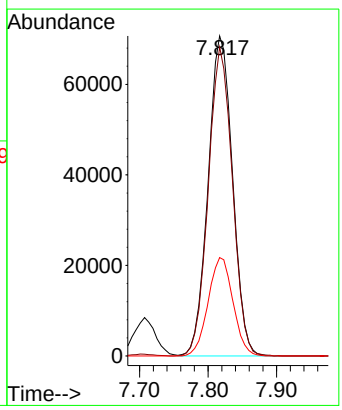


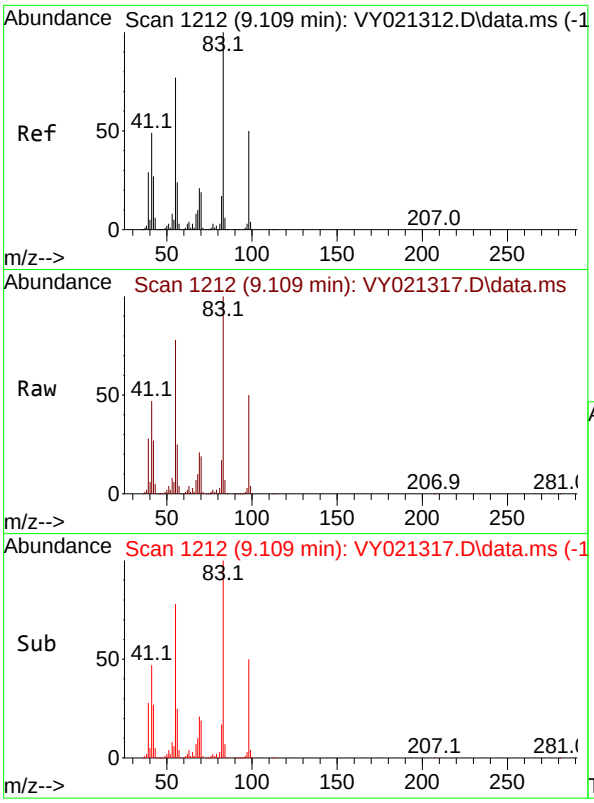


#38
Carbon Tetrachloride
Concen: 54.157 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 175208

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.0	114.0
121	30.8	24.9	37.3

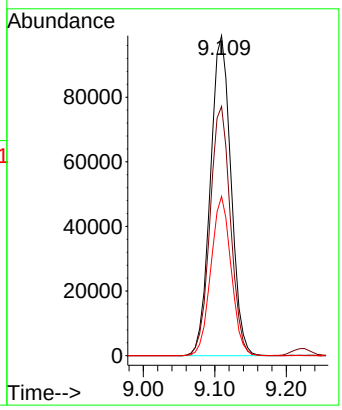




#39
Methylcyclohexane
Concen: 54.397 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 19799

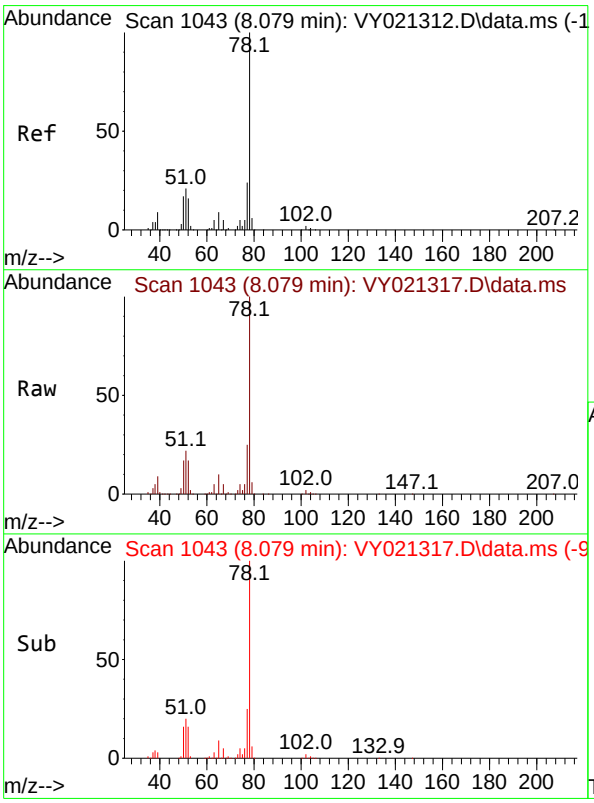
Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.3	91.9
98	49.7	39.9	59.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

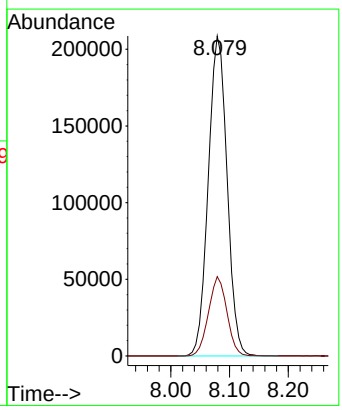
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

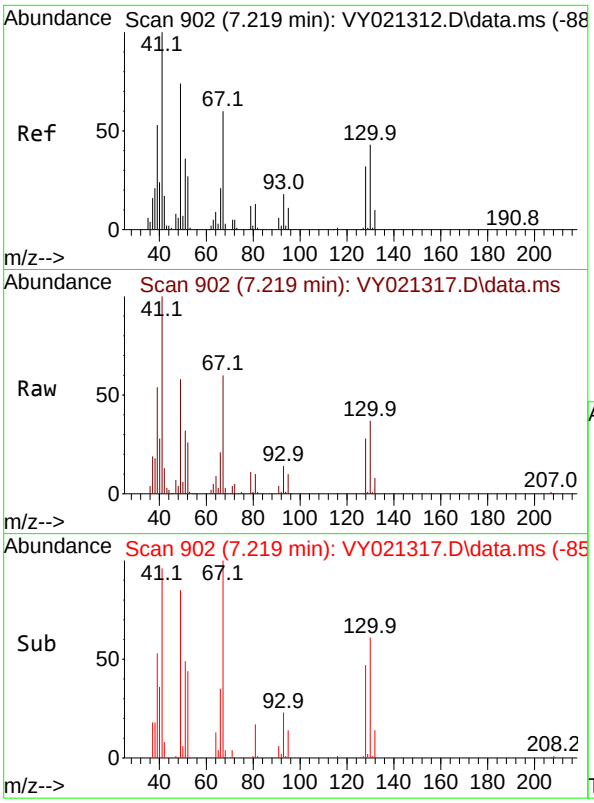


#40
Benzene
Concen: 54.583 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 78 Resp: 464323

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8

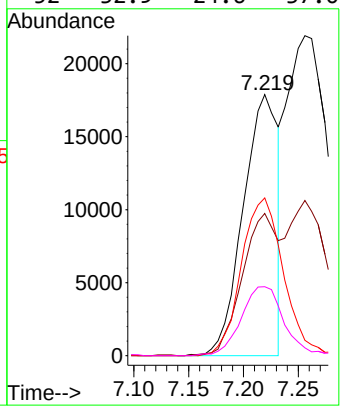




#41
Methacrylonitrile
Concen: 49.244 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 3941

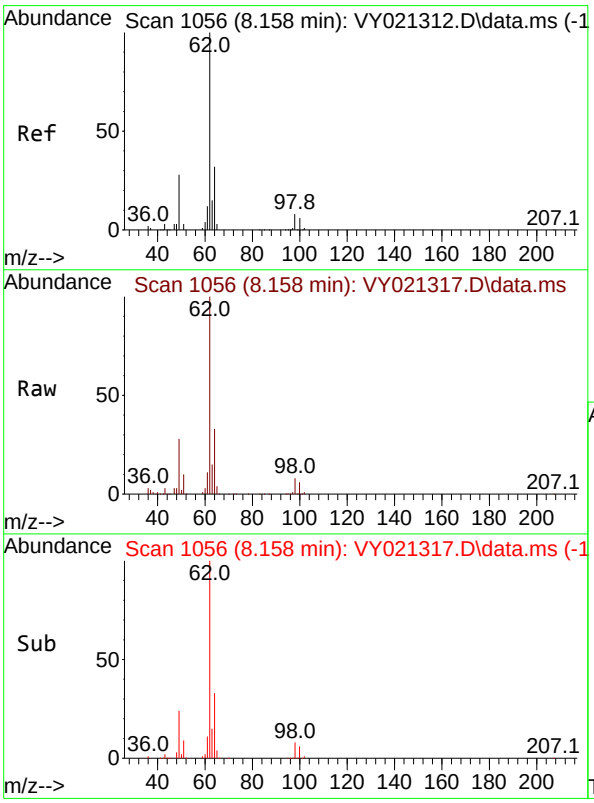
Ion	Ratio	Lower	Upper
41	100		
39	54.9	42.3	63.5
67	73.3	54.8	82.2
52	32.9	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

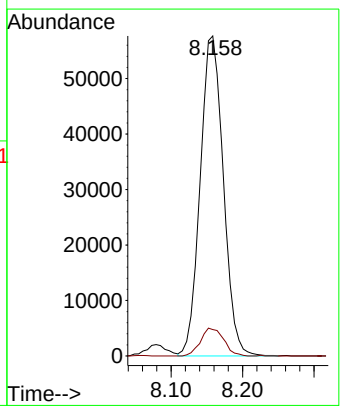
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

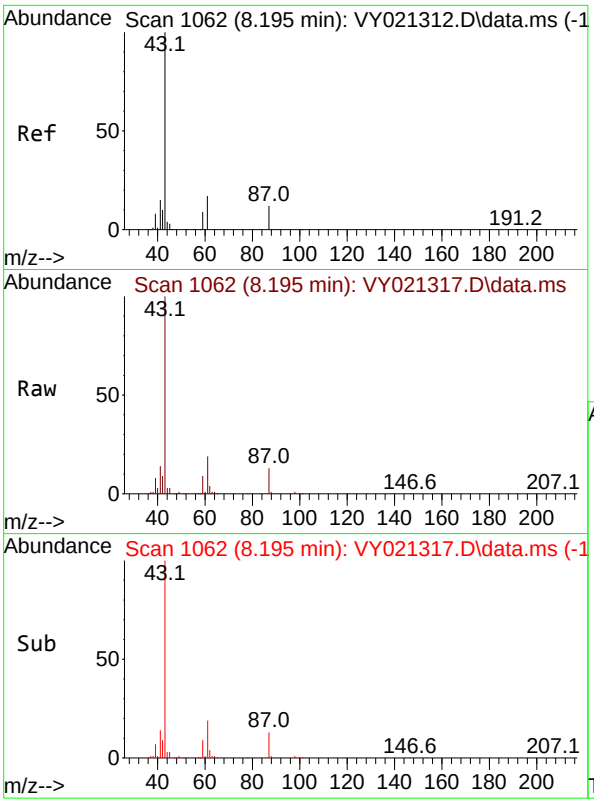


#42
1,2-Dichloroethane
Concen: 53.746 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 129718

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6

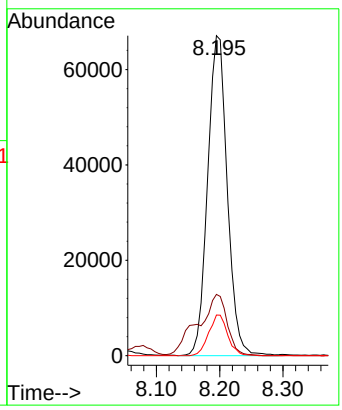




#43
Isopropyl Acetate
Concen: 52.380 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 14512

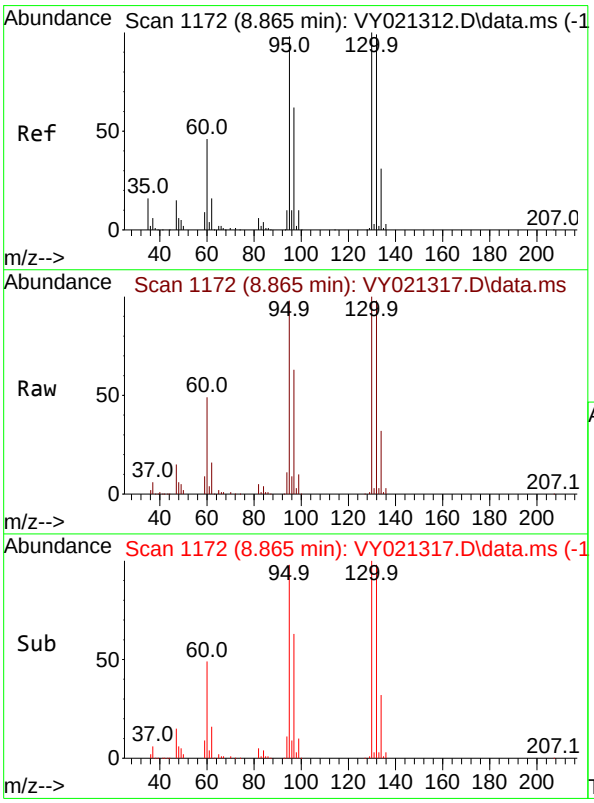
Ion	Ratio	Lower	Upper
43	100		
61	28.5	15.0	22.6
87	12.3	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

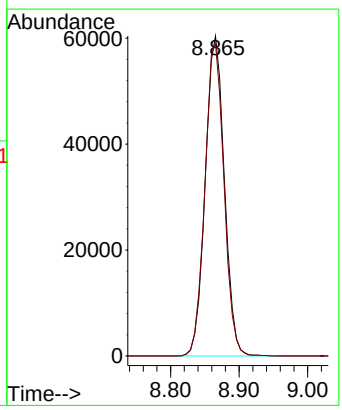
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

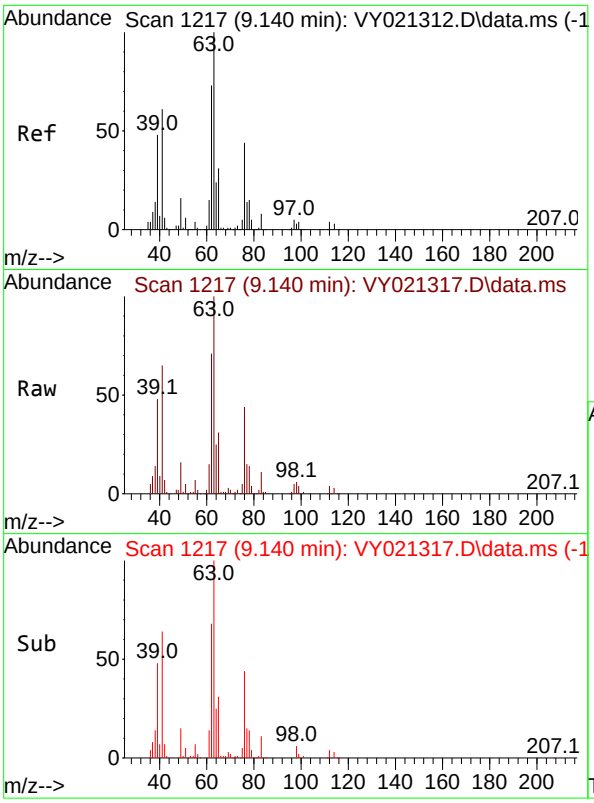


#44
Trichloroethene
Concen: 54.930 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:130 Resp: 116988

Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	196.0

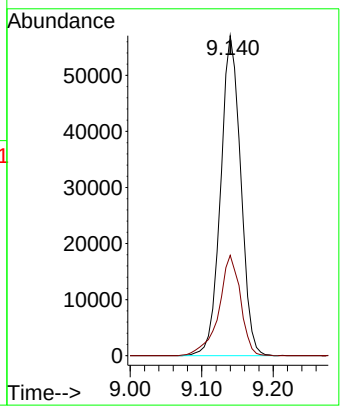




#45
1,2-Dichloropropane
Concen: 54.464 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 11149

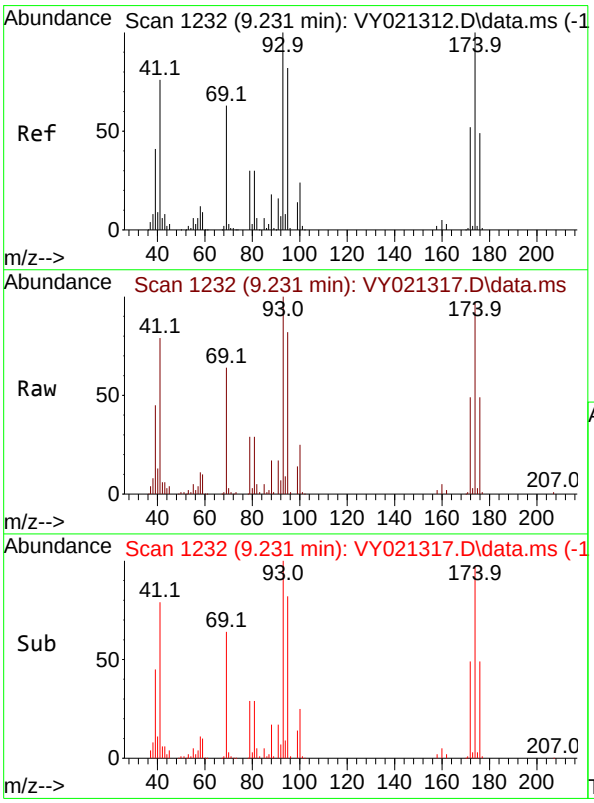
Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

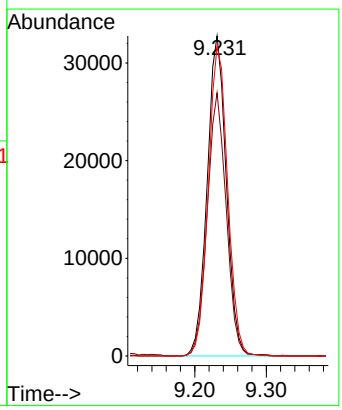
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

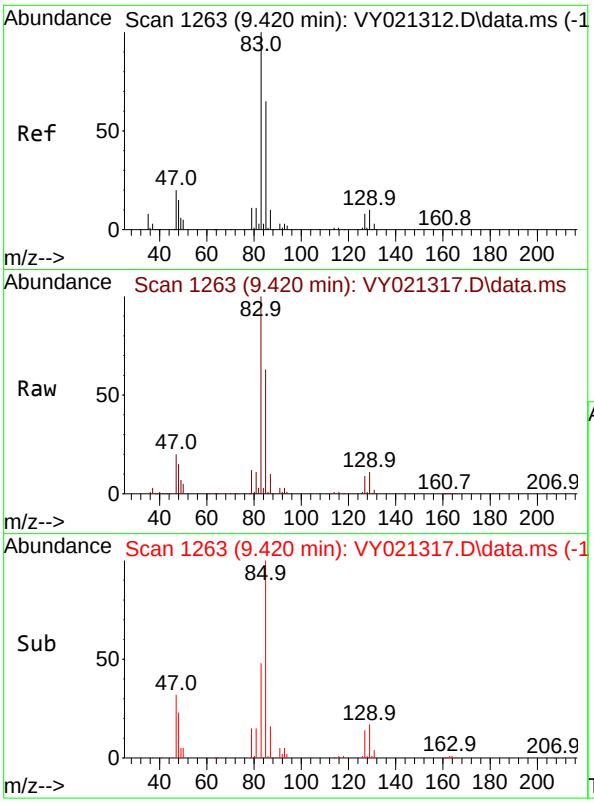


#46
Dibromomethane
Concen: 54.539 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 93 Resp: 61031

Ion	Ratio	Lower	Upper
93	100		
95	81.4	66.4	99.6
174	98.0	78.2	117.2

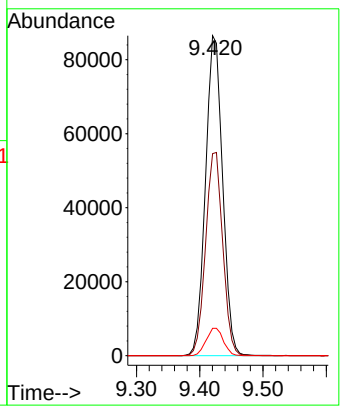




#47
Bromodichloromethane
Concen: 54.489 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 16258

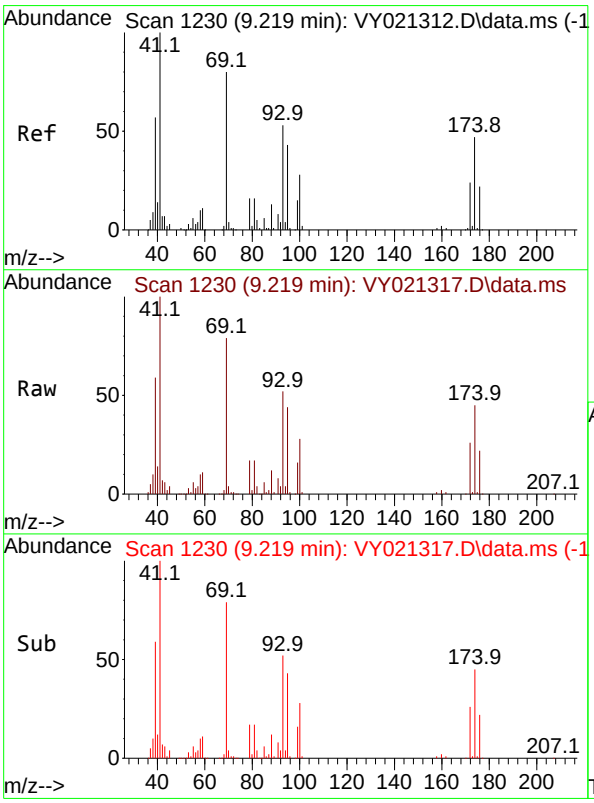
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8
127	8.5	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

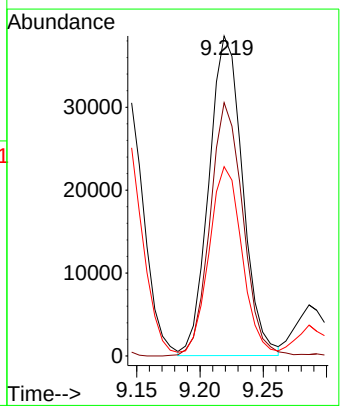
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

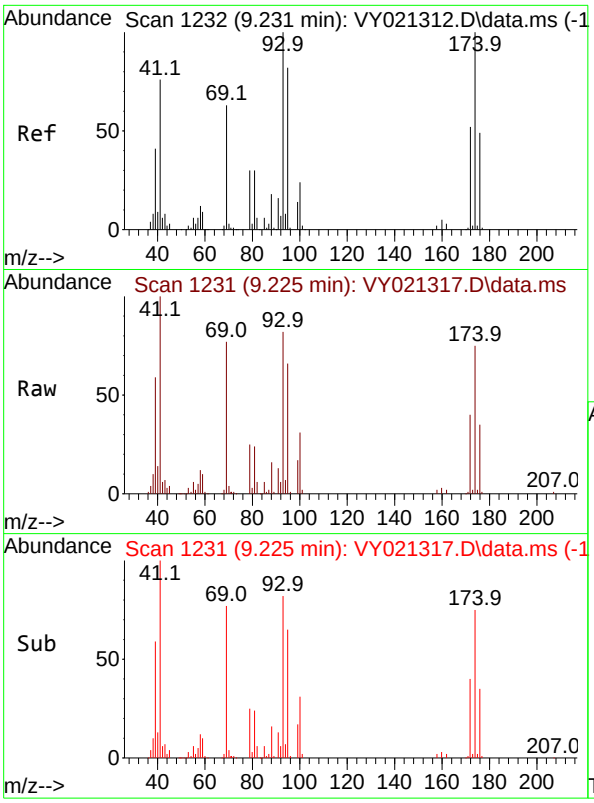


#48
Methyl methacrylate
Concen: 55.076 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 71360

Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.3	94.9
39	56.2	45.0	67.6





#49
1,4-Dioxane
Concen: 1053.076 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

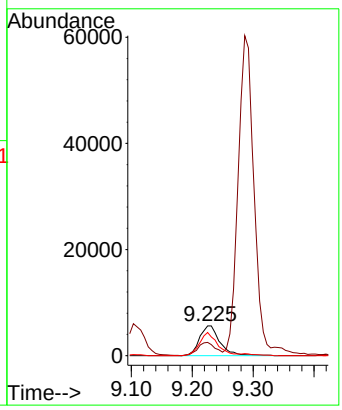
Tgt Ion: 88 Resp: 1310

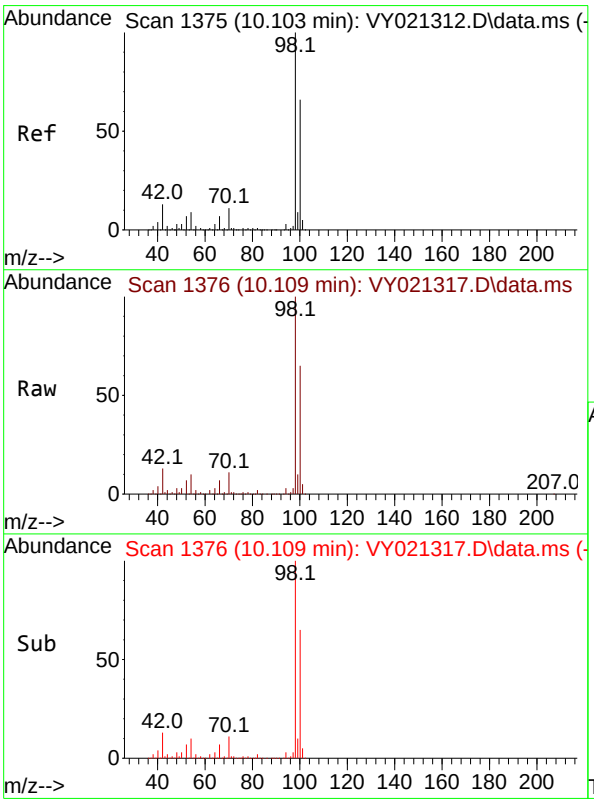
Ion	Ratio	Lower	Upper
88	100		
43	39.5	34.8	52.2
58	69.6	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

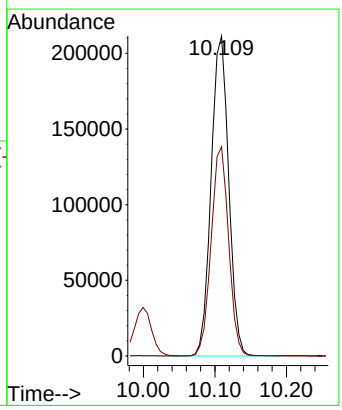


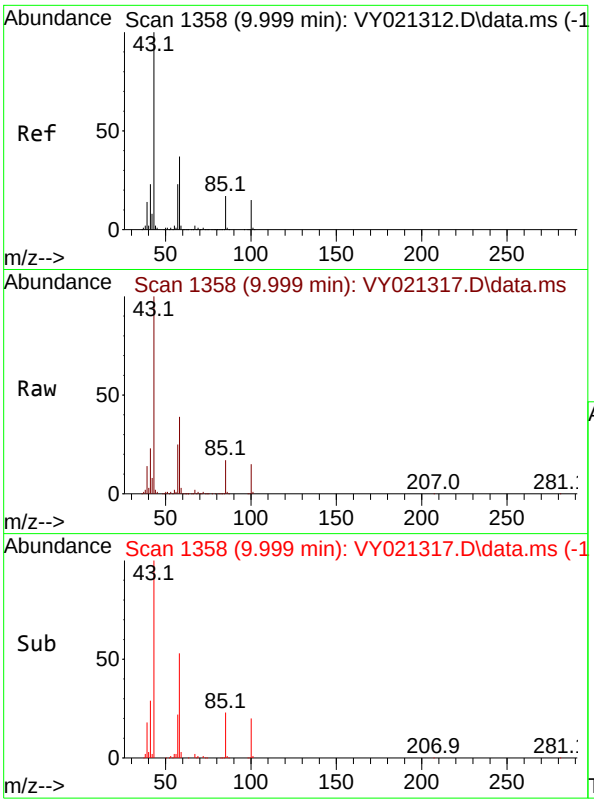


#50
Toluene-d8
Concen: 48.694 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 98 Resp: 360528

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6

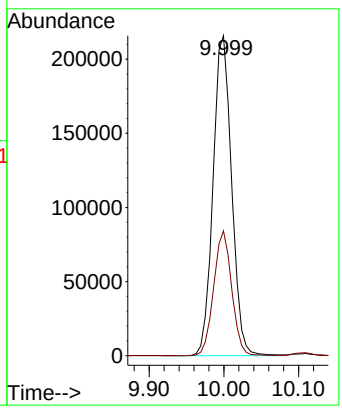




#51
4-Methyl-2-Pentanone
Concen: 262.628 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 37248

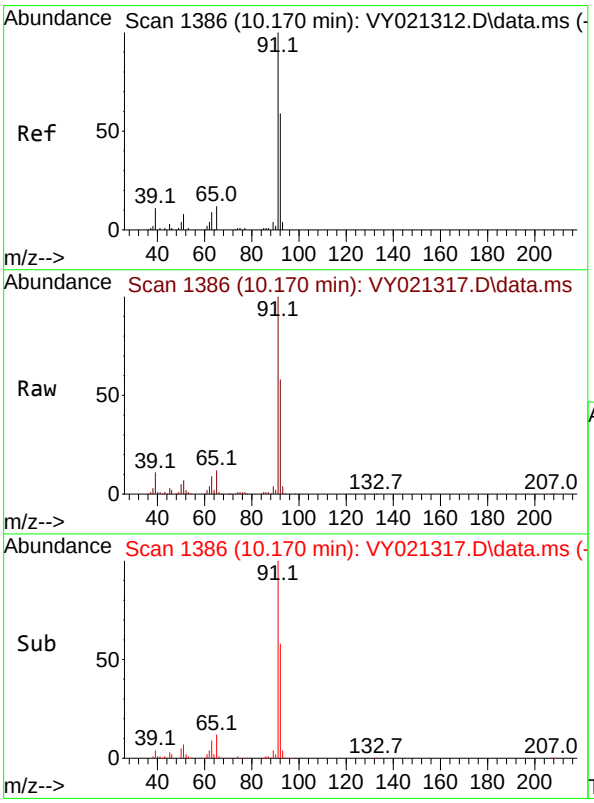
Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

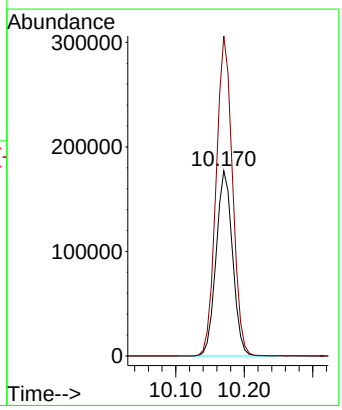
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

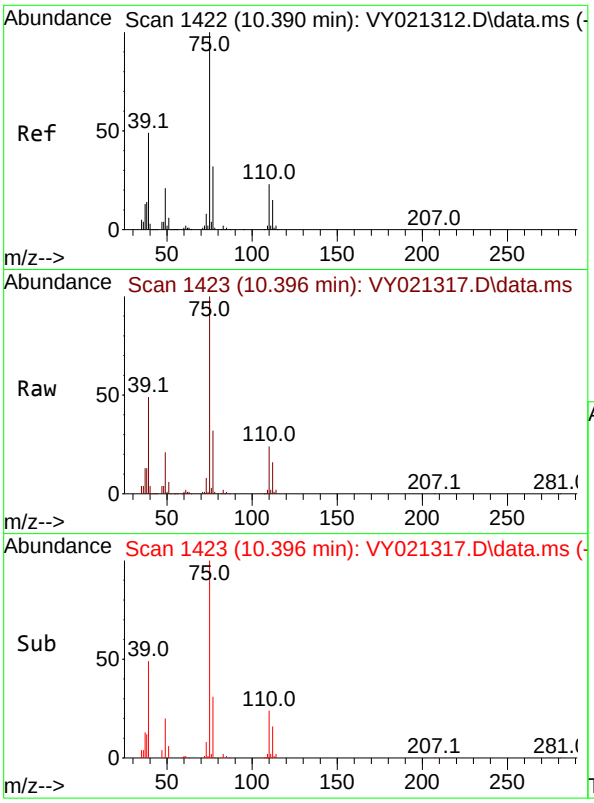


#52
Toluene
Concen: 55.674 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 92 Resp: 294219

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.8	206.8





#53
t-1,3-Dichloropropene
Concen: 55.699 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

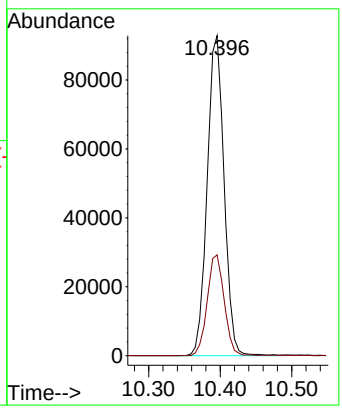
Tgt Ion: 75 Resp: 15226

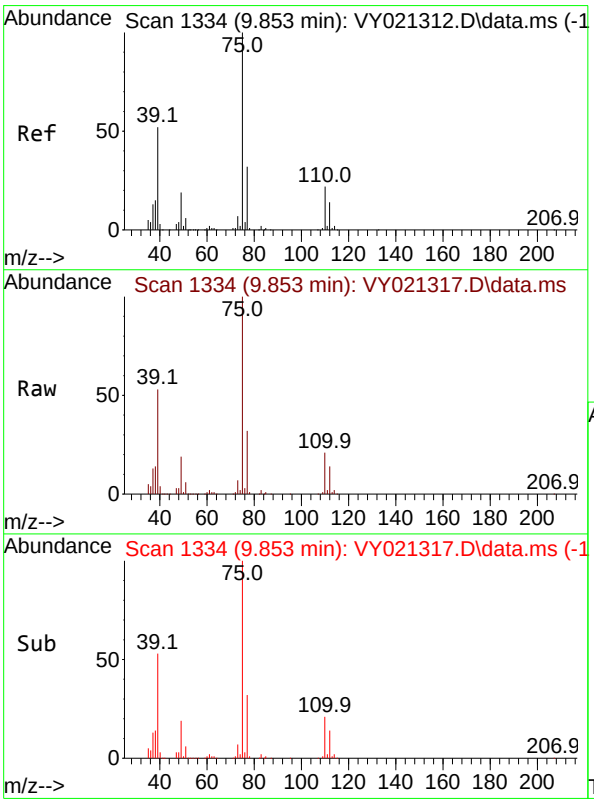
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

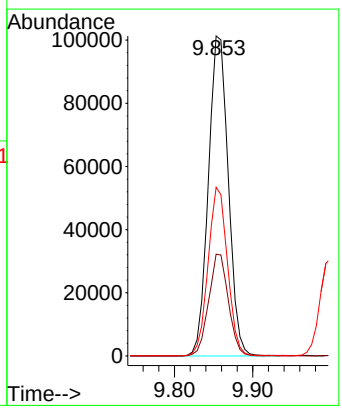


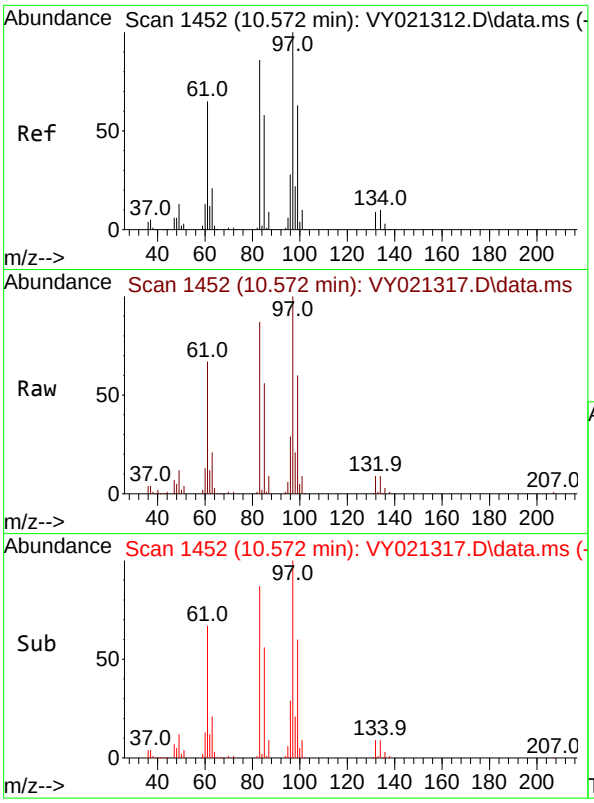


#54
cis-1,3-Dichloropropene
Concen: 55.451 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 178951

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	52.6	41.8	62.6

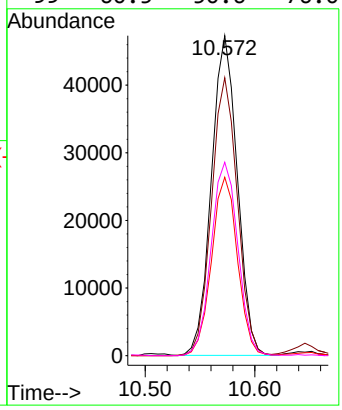




#55
1,1,2-Trichloroethane
Concen: 53.263 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 97 Resp: 7764

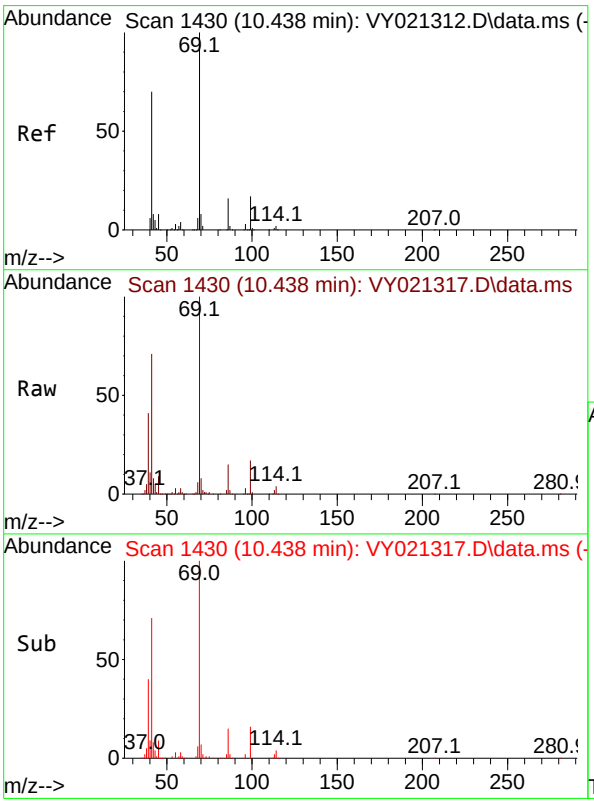
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.7	103.1
85	55.7	46.3	69.5
99	60.5	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

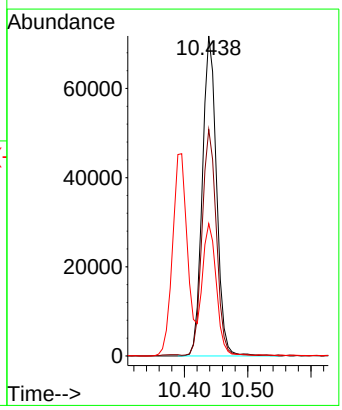
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

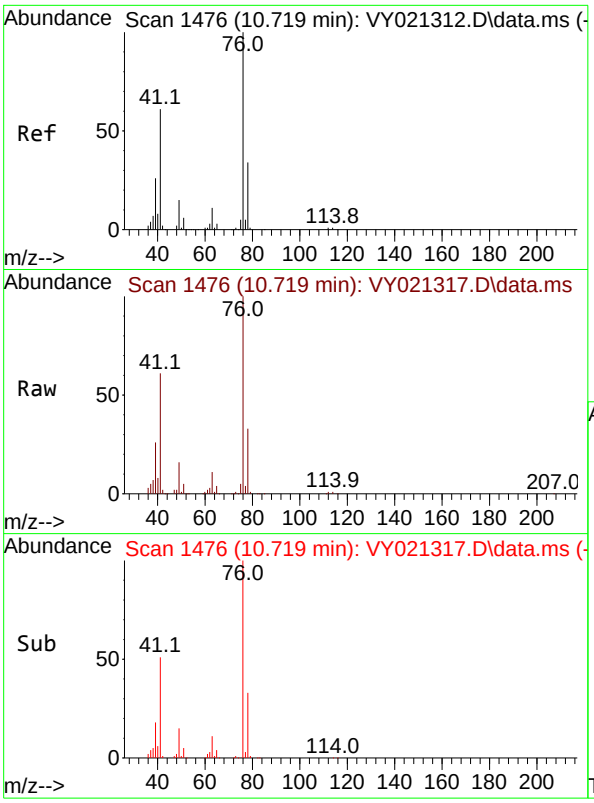


#56
Ethyl methacrylate
Concen: 55.679 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 69 Resp: 112155

Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.2	84.4
39	39.6	32.7	49.1

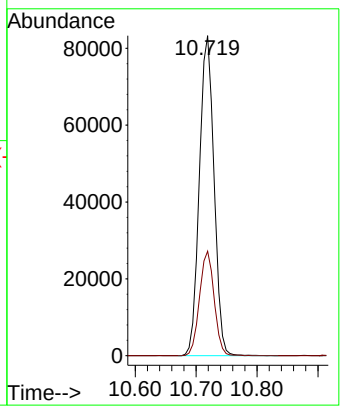




#57
1,3-Dichloropropane
Concen: 54.438 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 76 Resp: 13925

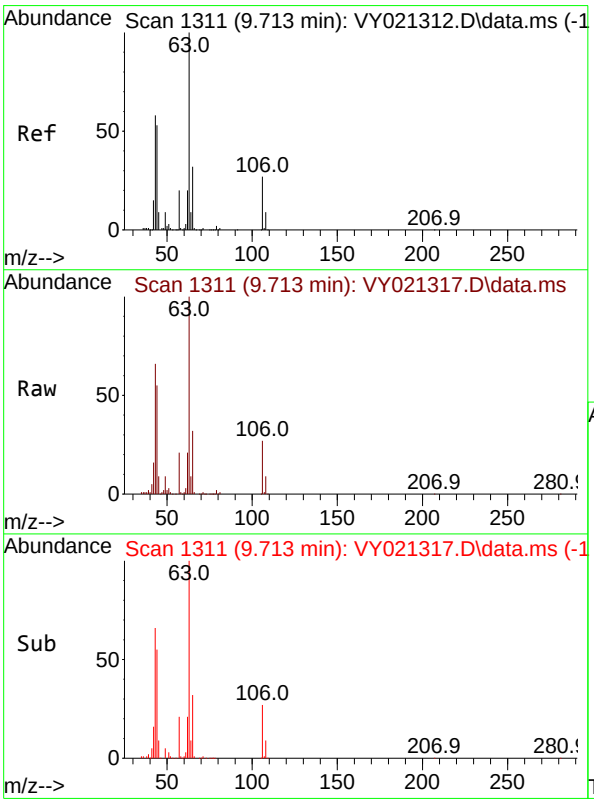
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

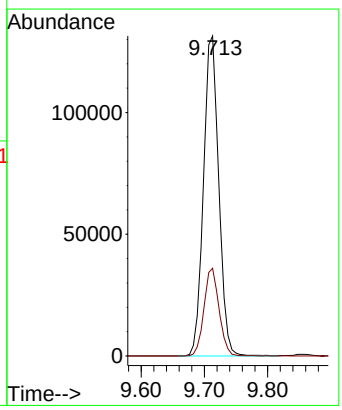
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

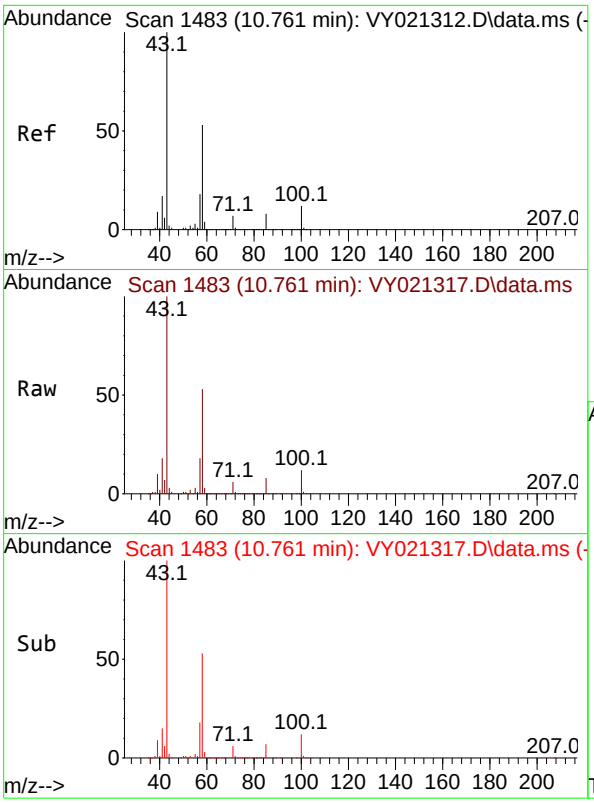


#58
2-Chloroethyl Vinyl ether
Concen: 228.990 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 221395

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.7	32.5





#59
2-Hexanone
Concen: 264.133 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

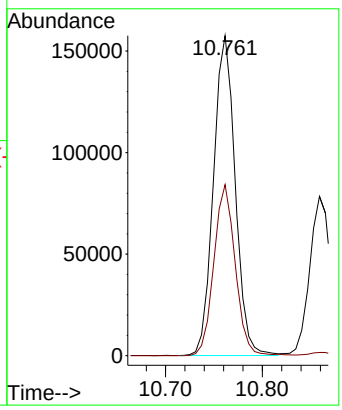
Tgt Ion: 43 Resp: 24603

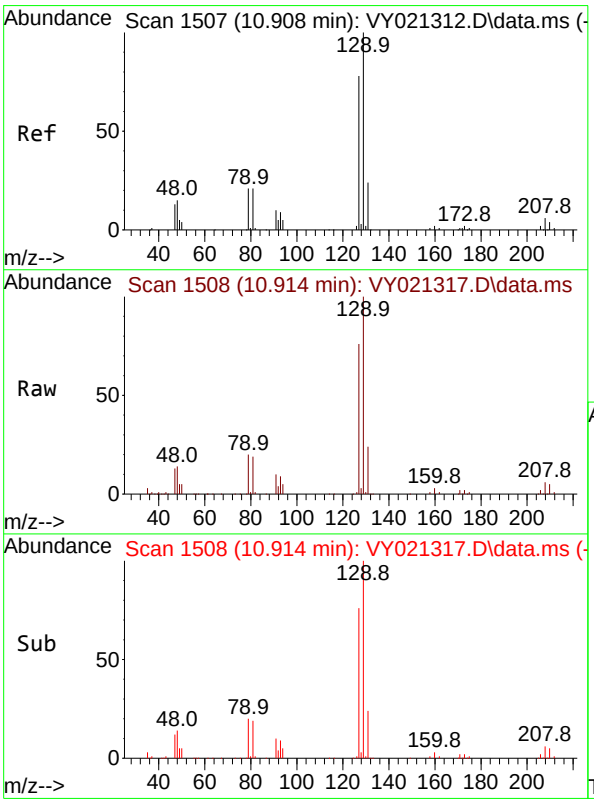
Ion	Ratio	Lower	Upper
43	100		
58	52.6	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

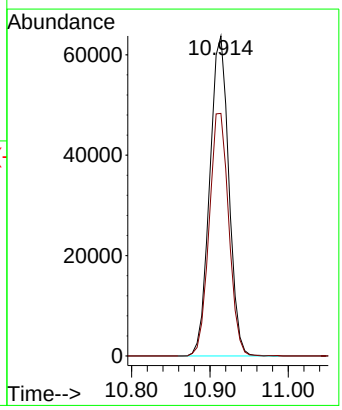


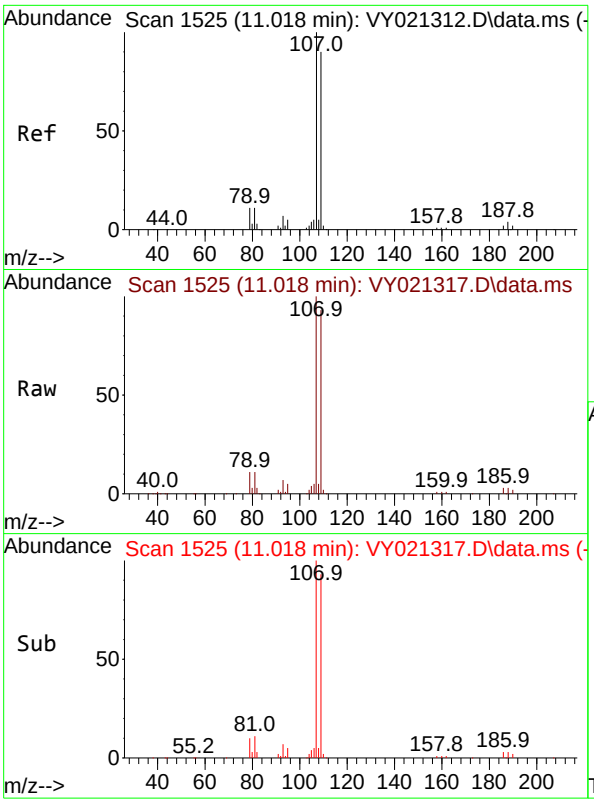


#60
Dibromochloromethane
Concen: 54.329 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:129 Resp: 107866

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4

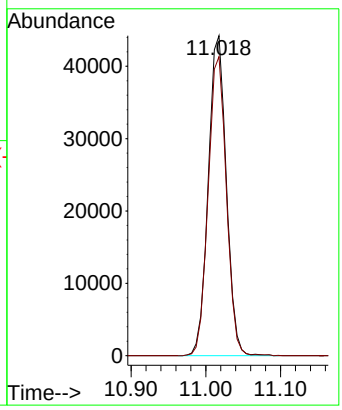




#61
1,2-Dibromoethane
Concen: 53.942 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:107 Resp: 7444

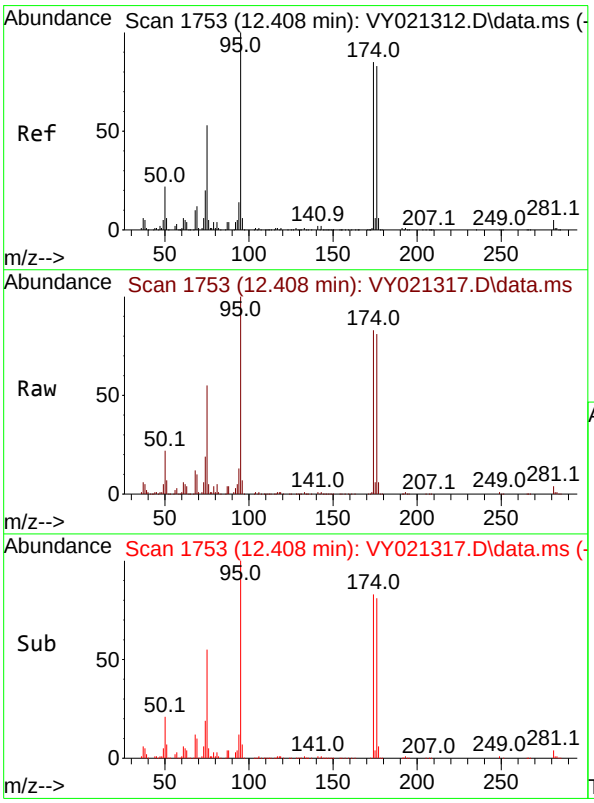
Ion	Ratio	Lower	Upper
107	100		
109	94.1	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

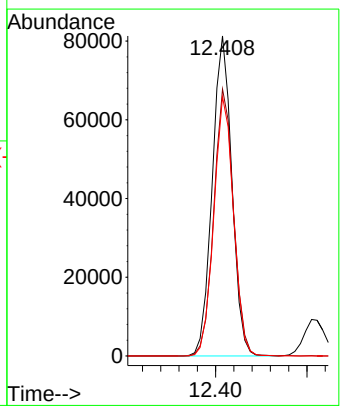
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

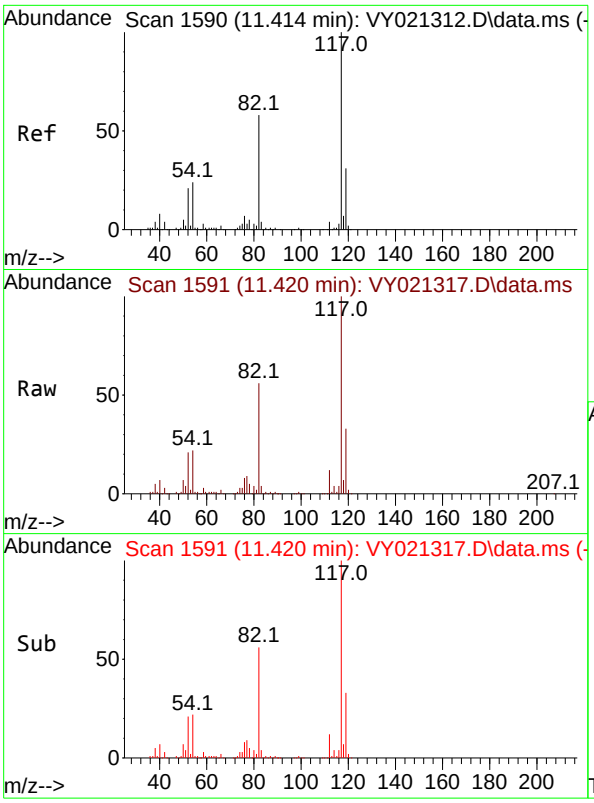


#62
4-Bromofluorobenzene
Concen: 48.549 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 95 Resp: 120972

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	168.0
176	81.4	0.0	162.6

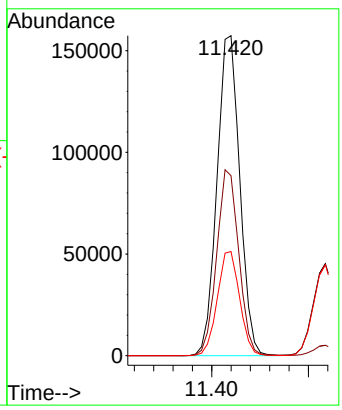




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 25712

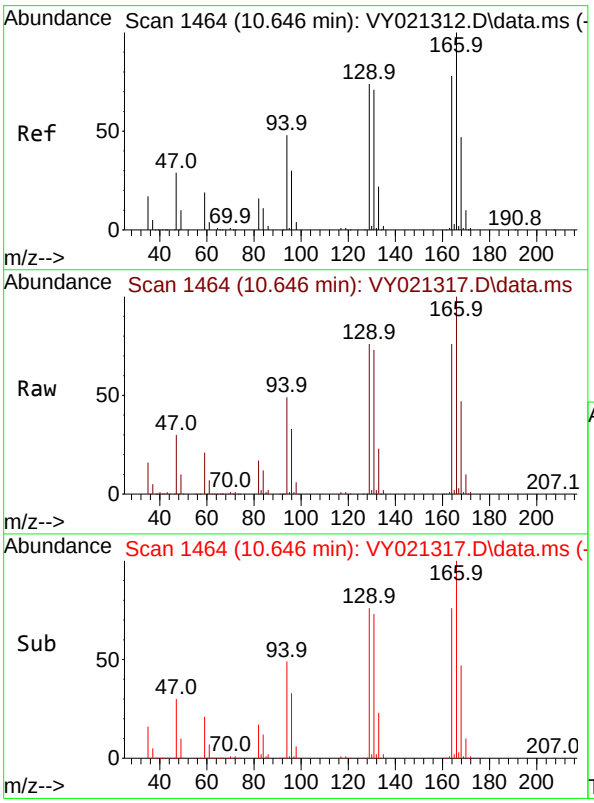
Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.2	69.4
119	32.5	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

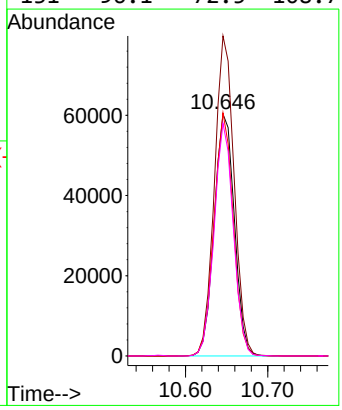
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

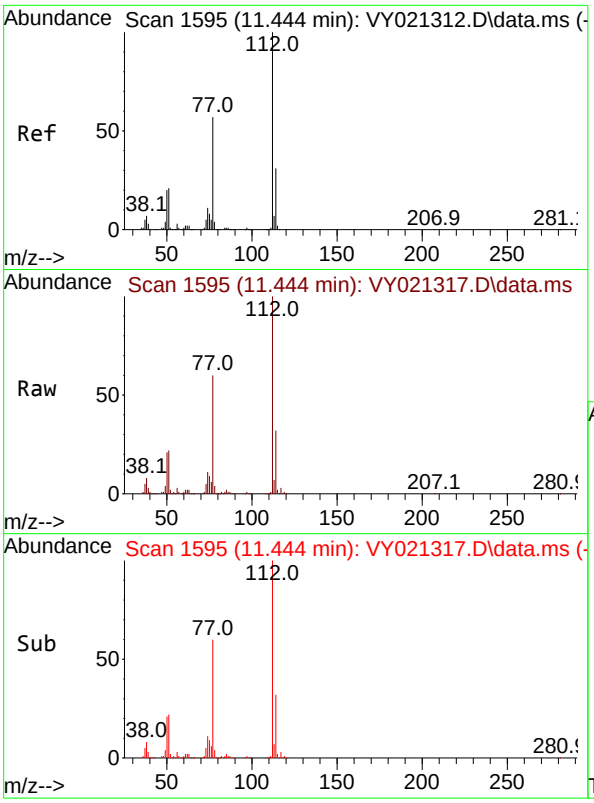


#64
Tetrachloroethene
Concen: 52.940 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:164 Resp: 102887

Ion	Ratio	Lower	Upper
164	100		
166	132.2	101.9	152.9
129	100.4	75.5	113.3
131	96.1	72.5	108.7

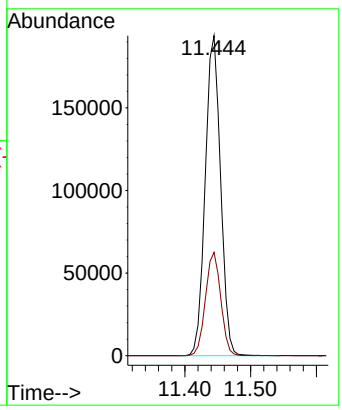




#65
Chlorobenzene
Concen: 54.410 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:112 Resp: 31404

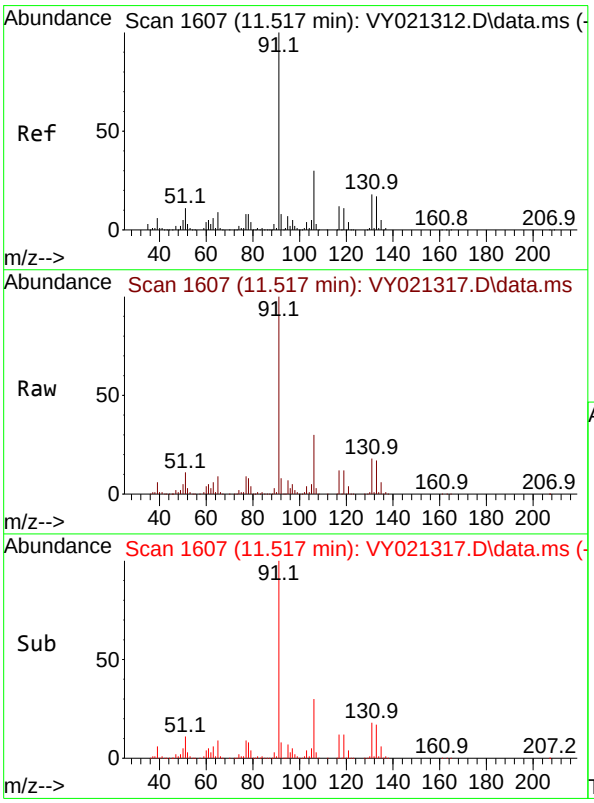
Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

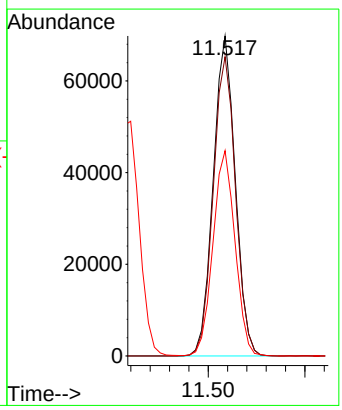
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

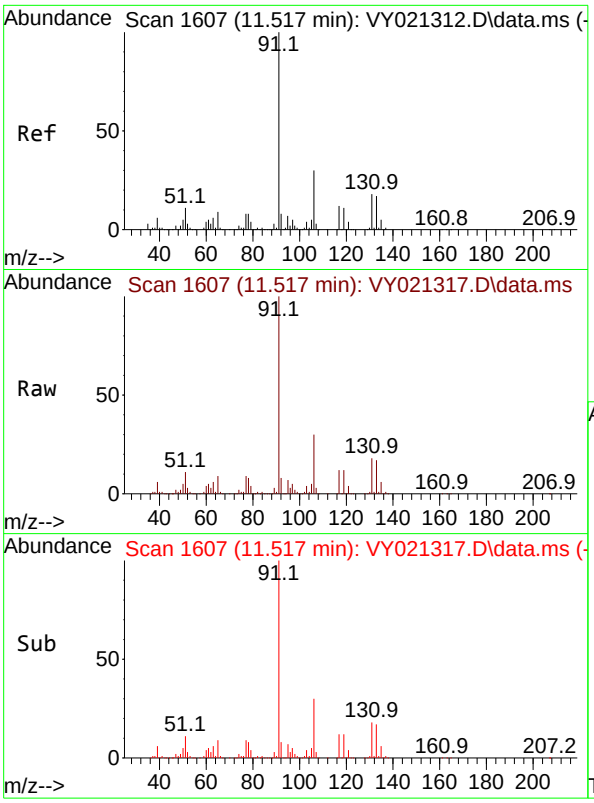


#66
1,1,1,2-Tetrachloroethane
Concen: 54.517 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:131 Resp: 110179

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.9	143.6
119	64.3	31.7	95.1

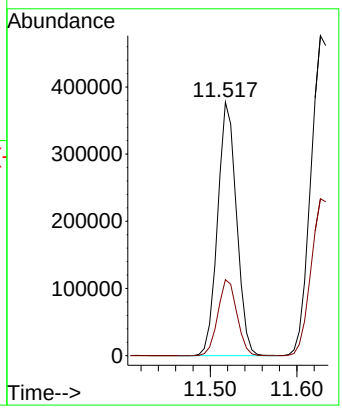




#67
Ethyl Benzene
Concen: 55.992 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 57242

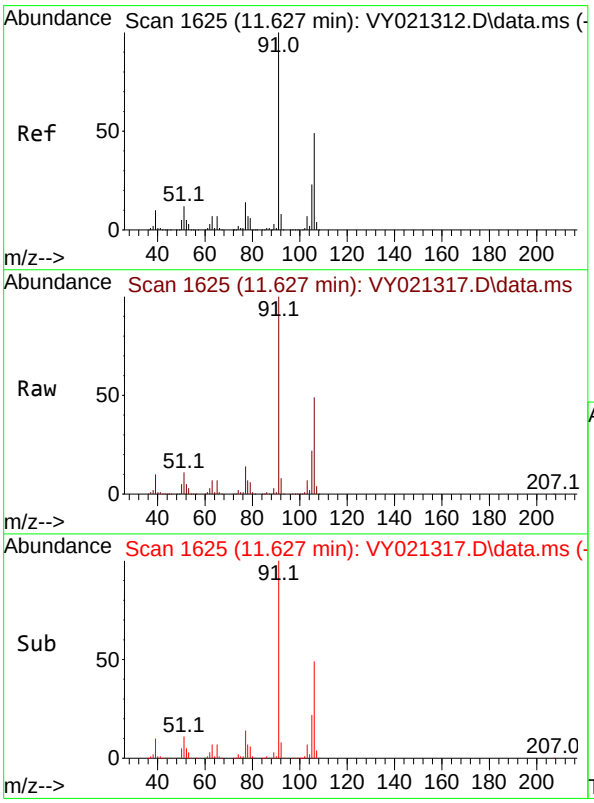
Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

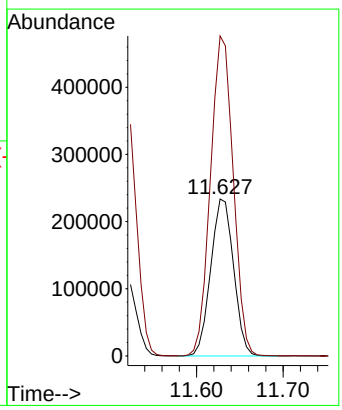
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

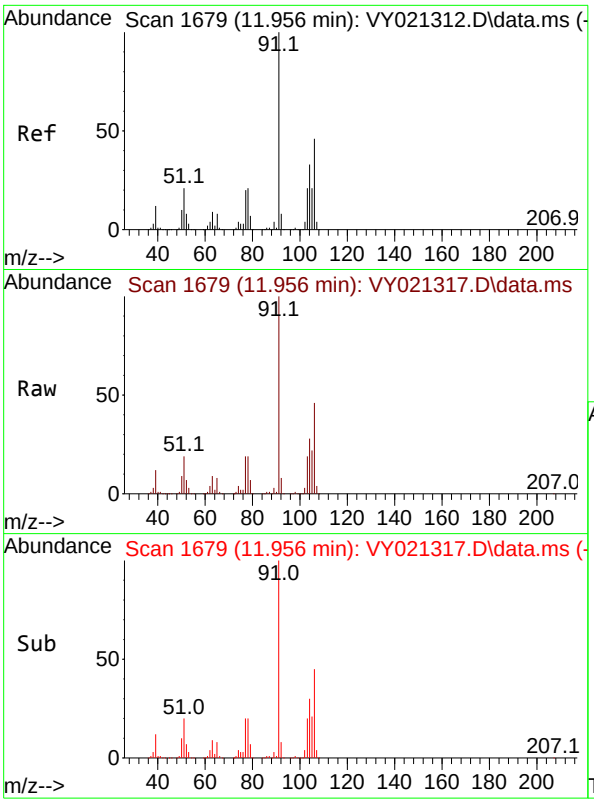


#68
m/p-Xylenes
Concen: 111.274 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:106 Resp: 427892

Ion	Ratio	Lower	Upper
106	100		
91	203.4	163.9	245.9

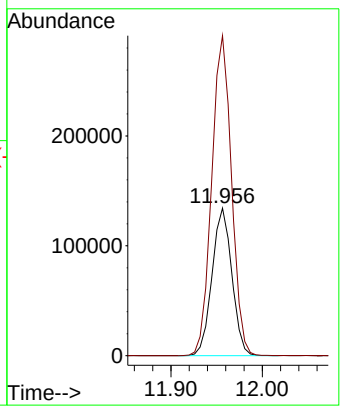




#69
o-Xylene
Concen: 56.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:106 Resp: 20212

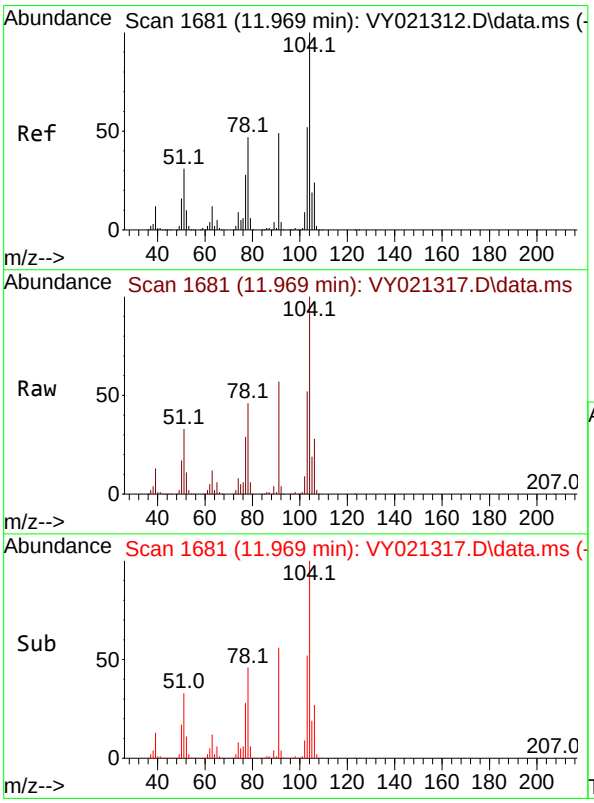
Ion	Ratio	Lower	Upper
106	100		
91	217.2	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

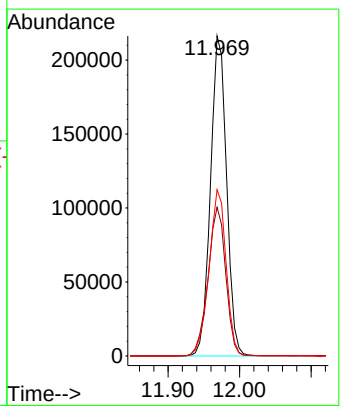
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

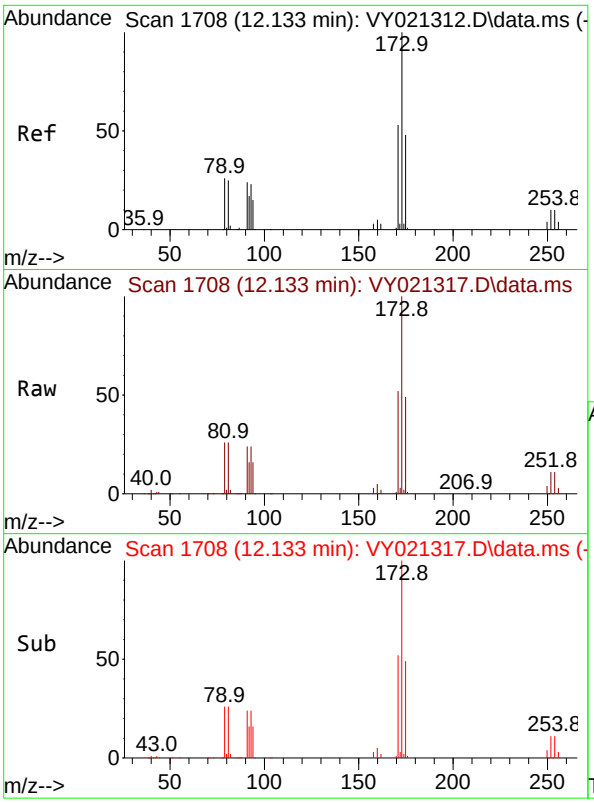


#70
Styrene
Concen: 56.307 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:104 Resp: 337489

Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.3	61.9
103	55.3	43.9	65.9

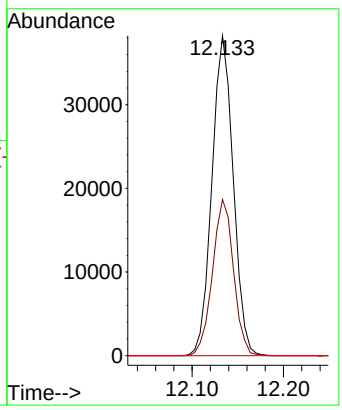




#71
Bromoform
Concen: 53.590 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:173 Resp: 6195

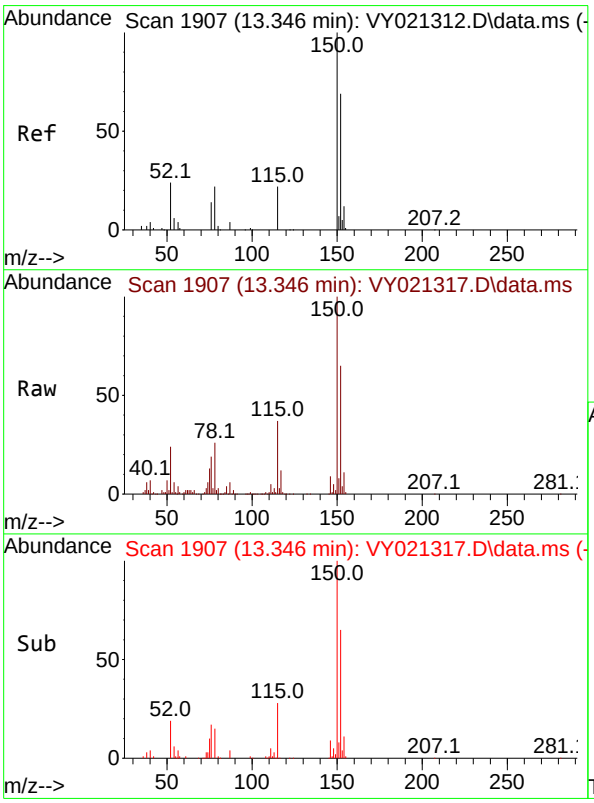
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

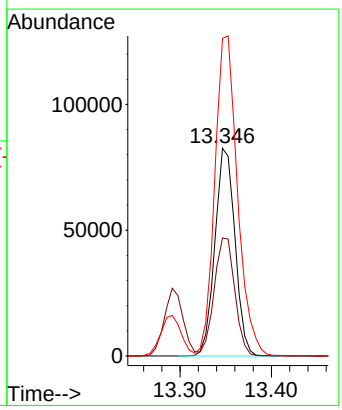
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

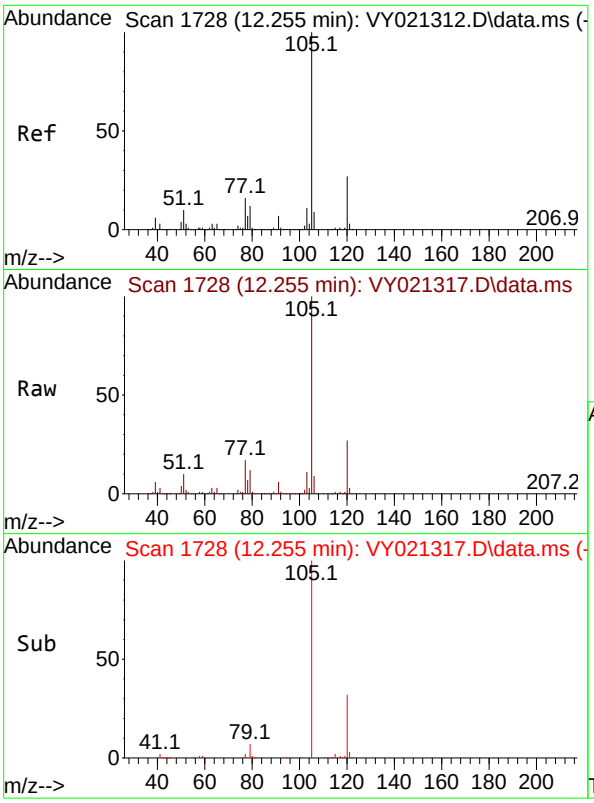


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:152 Resp: 126299

Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.3	88.0
150	174.2	0.0	347.4

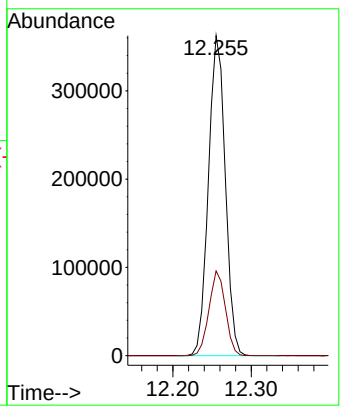




#73
Isopropylbenzene
Concen: 56.974 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 54097

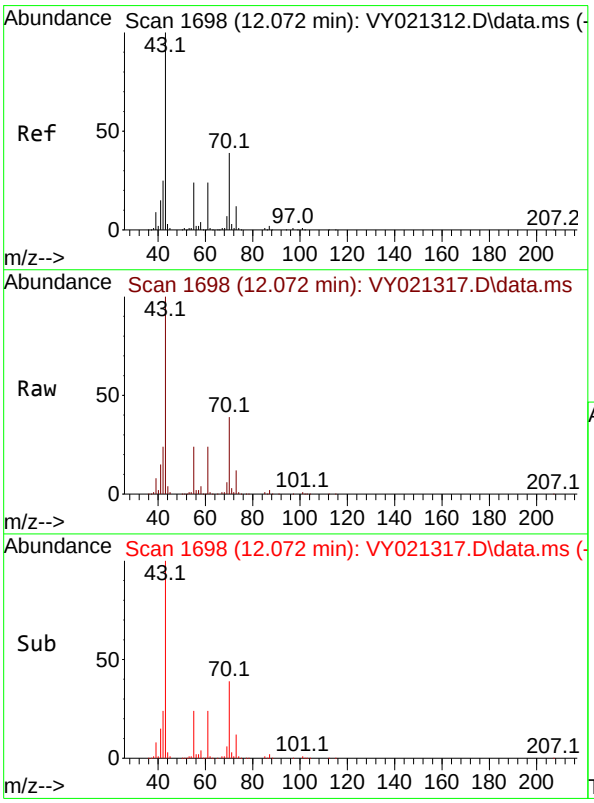
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

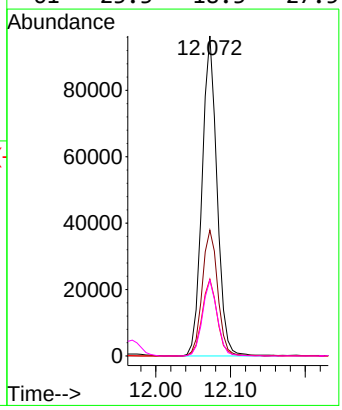
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

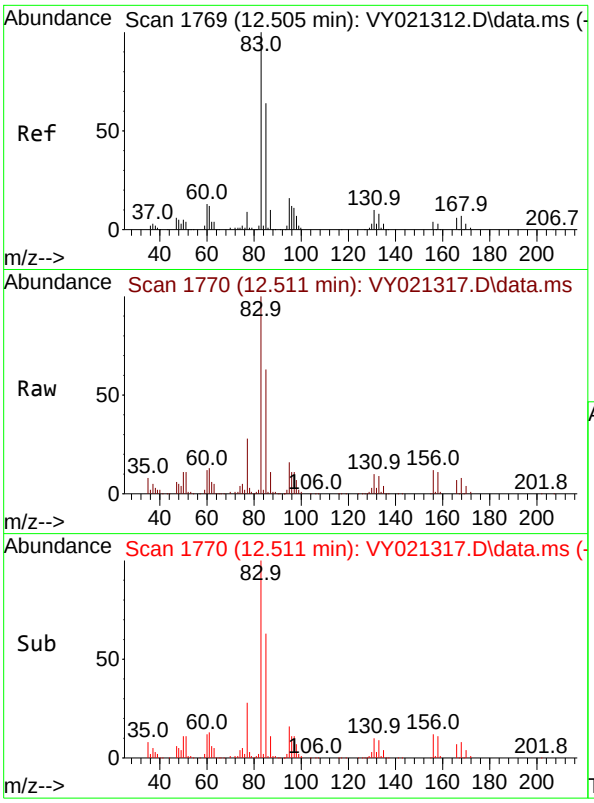


#74
N-amyl acetate
Concen: 55.509 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 133968

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.2	48.2
55	24.2	19.6	29.4
61	23.3	18.3	27.5

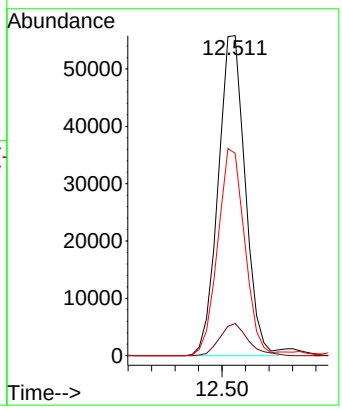




#75
1,1,2,2-Tetrachloroethane
Concen: 53.254 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 8924

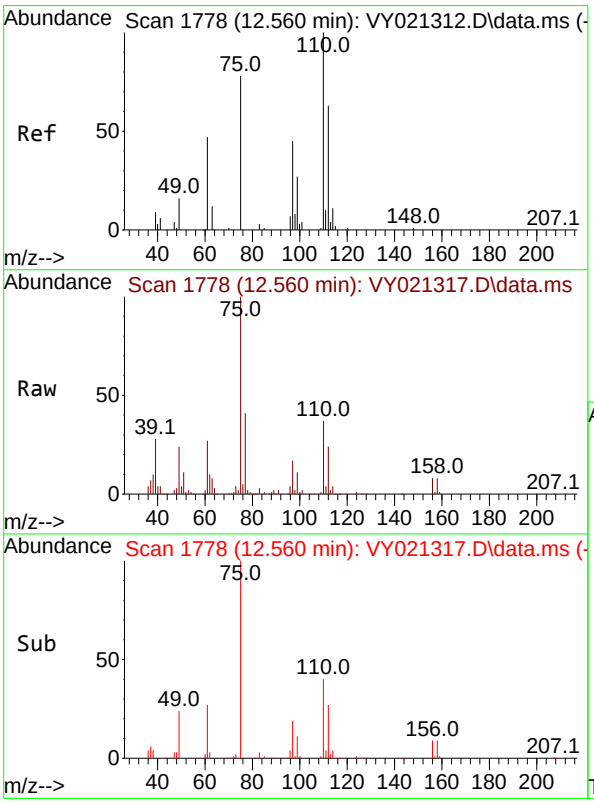
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	64.7	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

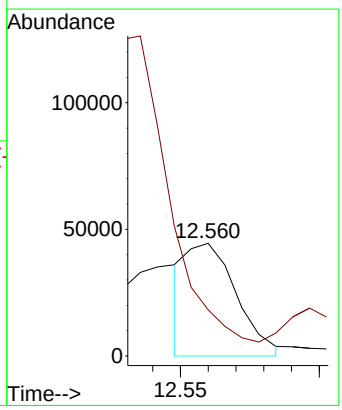
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

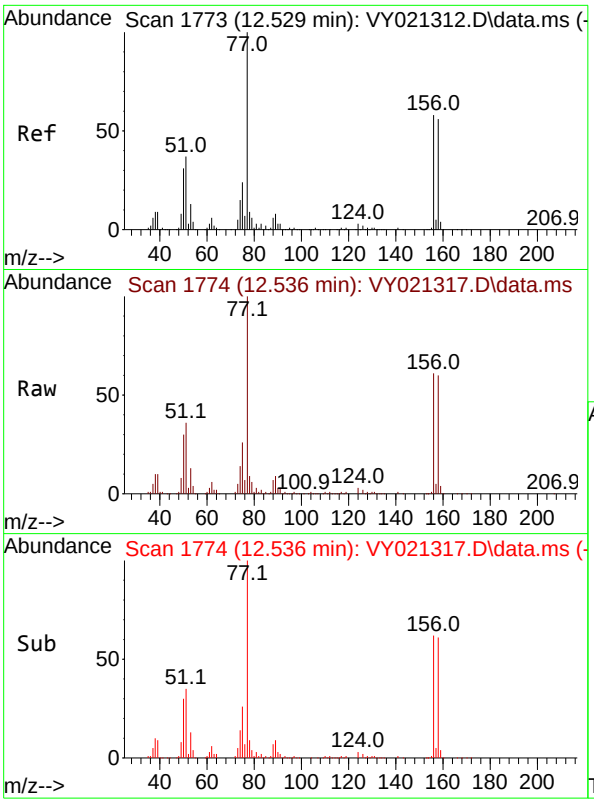


#76
1,2,3-Trichloropropane
Concen: 44.570 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 56345

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

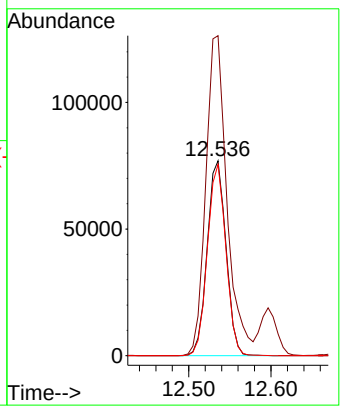




#77
Bromobenzene
Concen: 55.296 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:156 Resp: 12212

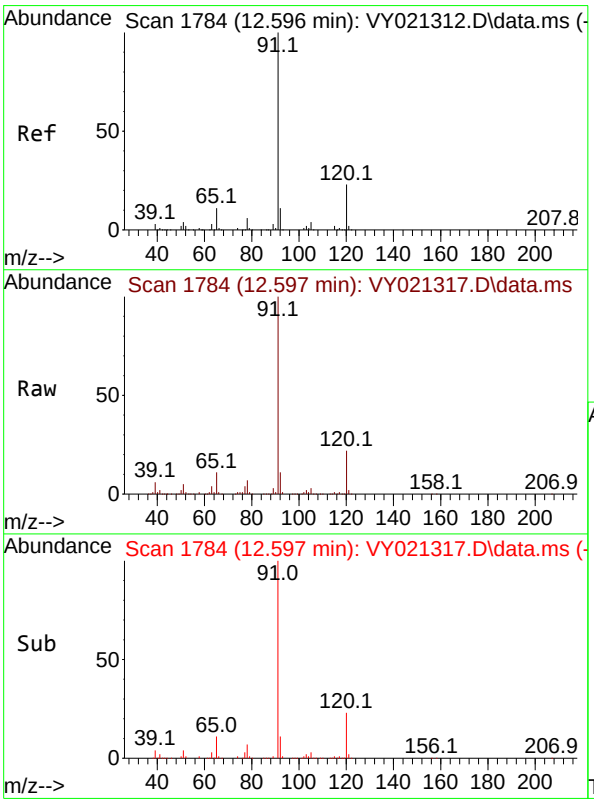
Ion	Ratio	Lower	Upper
156	100		
77	185.0	94.0	282.1
158	96.6	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

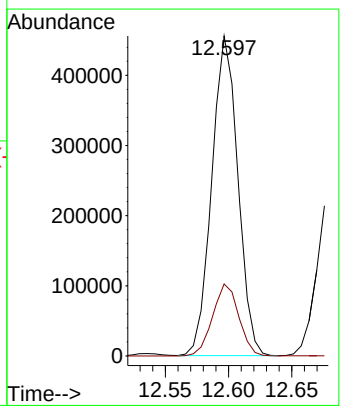
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

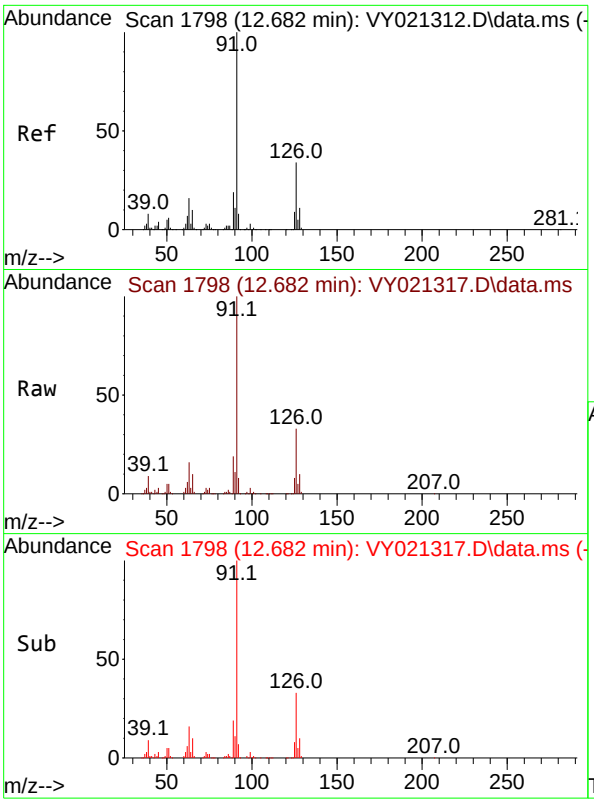


#78
n-propylbenzene
Concen: 56.783 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 654255

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5





#79
2-Chlorotoluene
Concen: 55.813 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

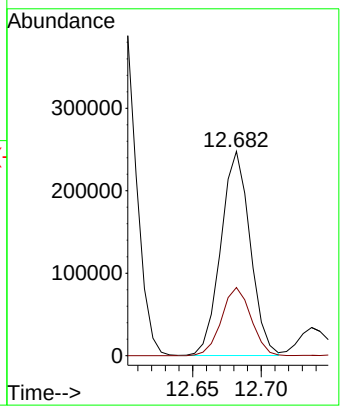
Tgt Ion: 91 Resp: 36906

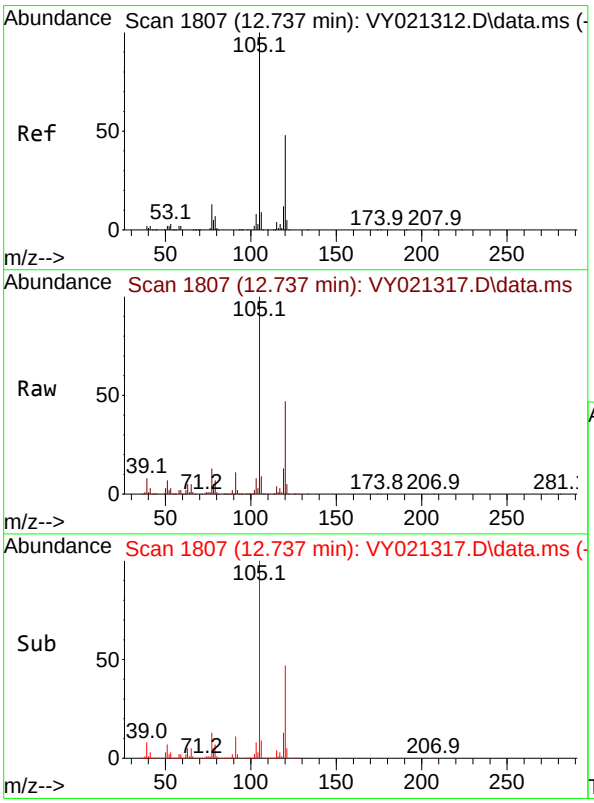
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

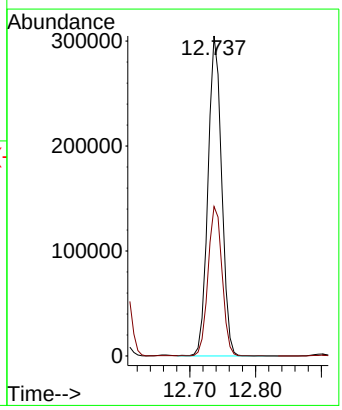


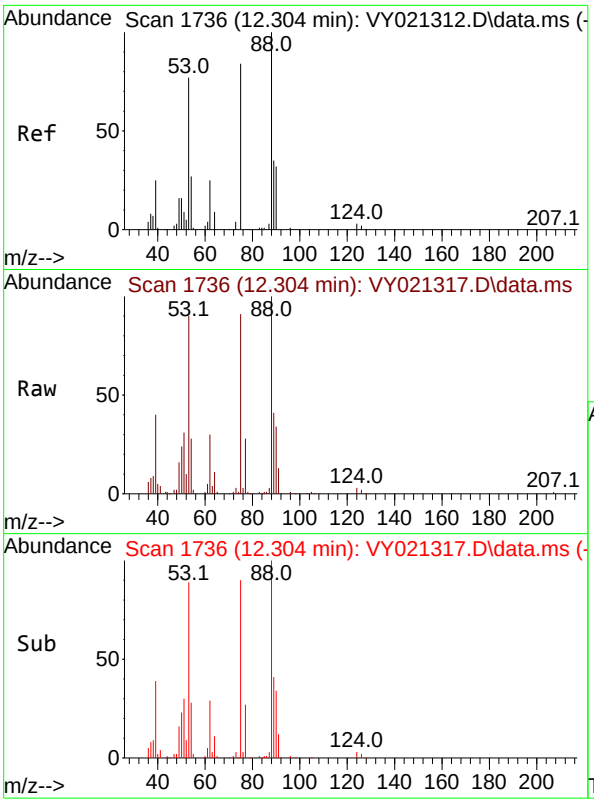


#80
1,3,5-Trimethylbenzene
Concen: 56.549 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 440379

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.3	73.0

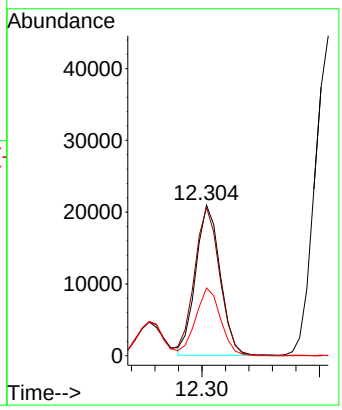




#81
trans-1,4-Dichloro-2-butene
Concen: 53.216 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 3026

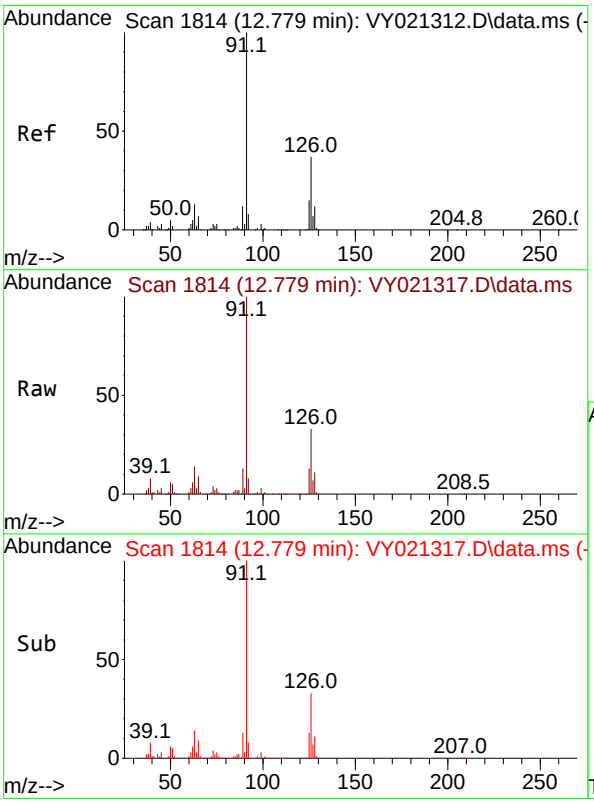
Ion	Ratio	Lower	Upper
75	100		
53	103.4	79.1	118.7
89	45.8	35.6	53.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

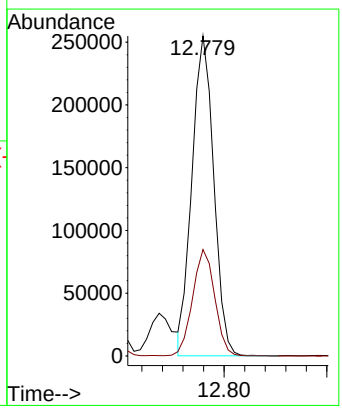
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

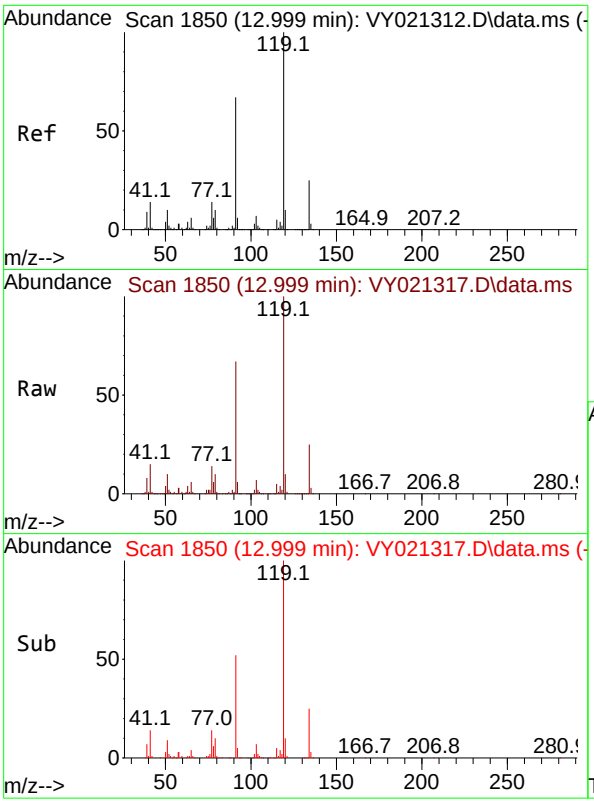


#82
4-Chlorotoluene
Concen: 54.757 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 375340

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.4

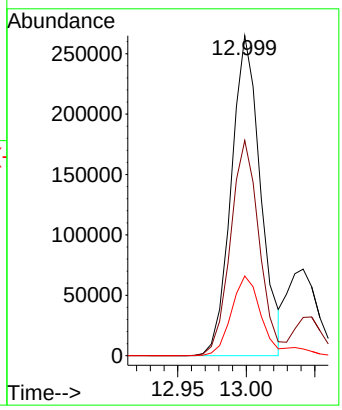




#83
tert-Butylbenzene
Concen: 55.900 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:119 Resp: 39322

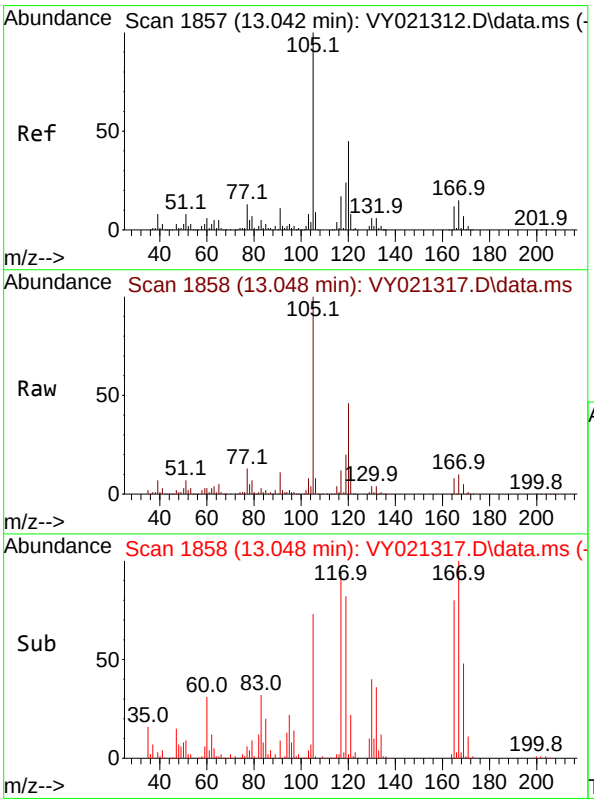
Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.7	98.1
134	26.8	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

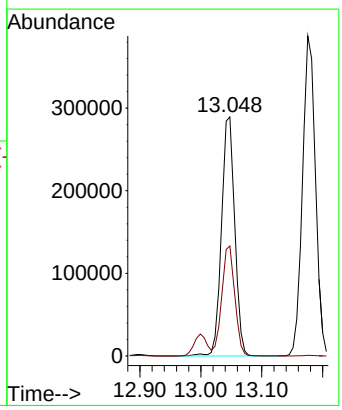
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

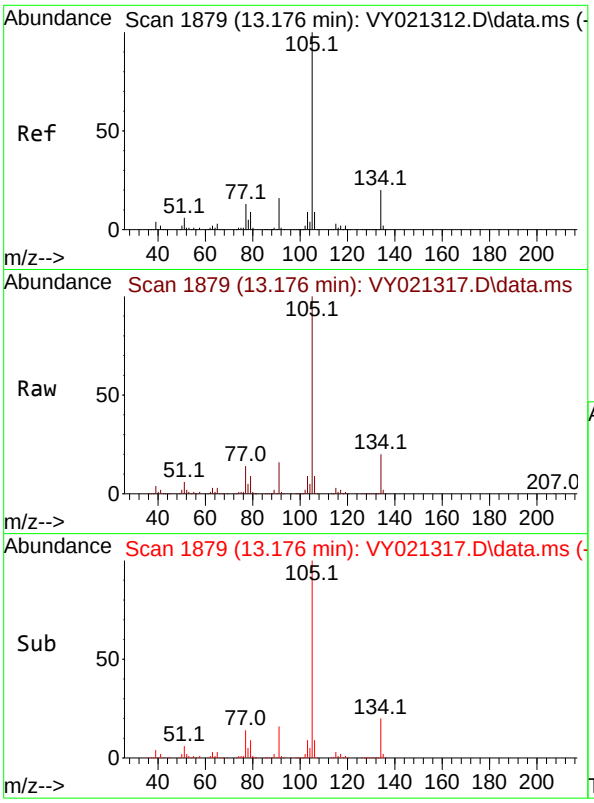


#84
1,2,4-Trimethylbenzene
Concen: 56.621 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 438538

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3

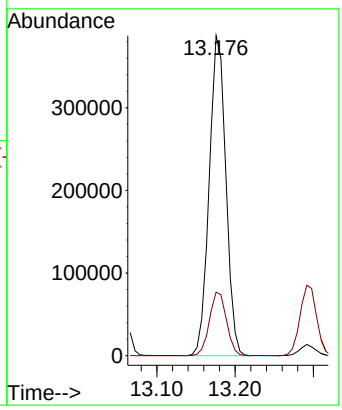




#85
sec-Butylbenzene
Concen: 55.655 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 57187

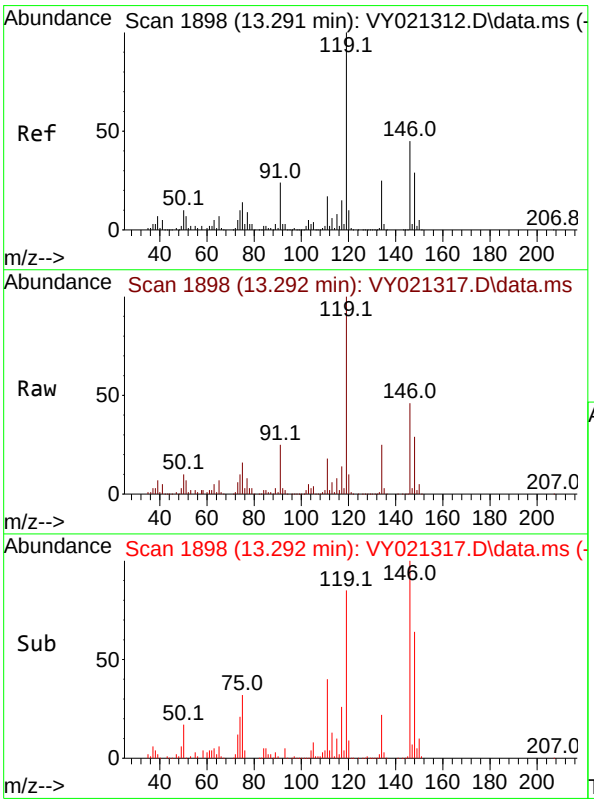
Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

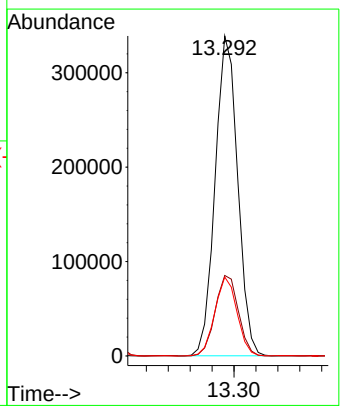
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

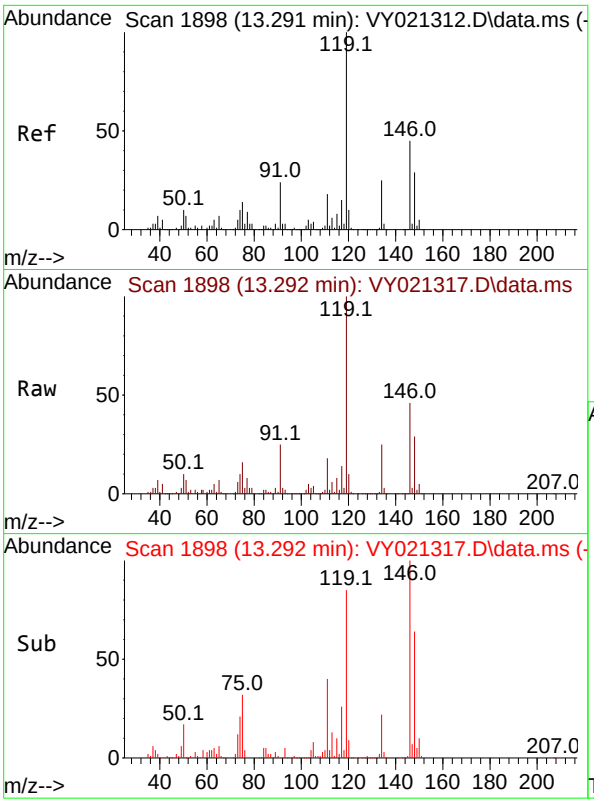


#86
p-Isopropyltoluene
Concen: 56.427 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:119 Resp: 484140

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.2	12.0	36.1

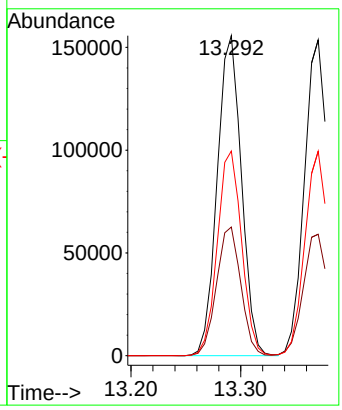




#87
1,3-Dichlorobenzene
Concen: 54.800 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 23940

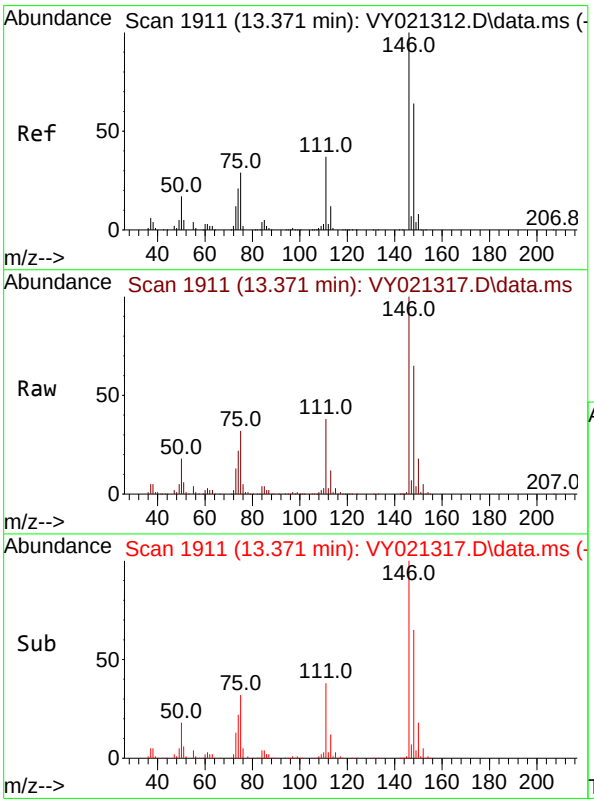
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	64.1	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

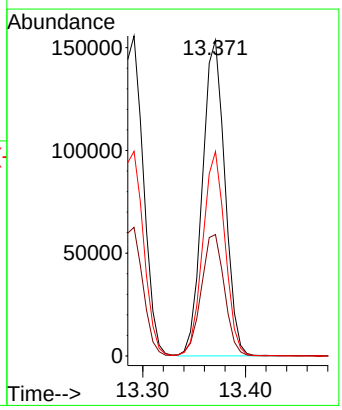
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

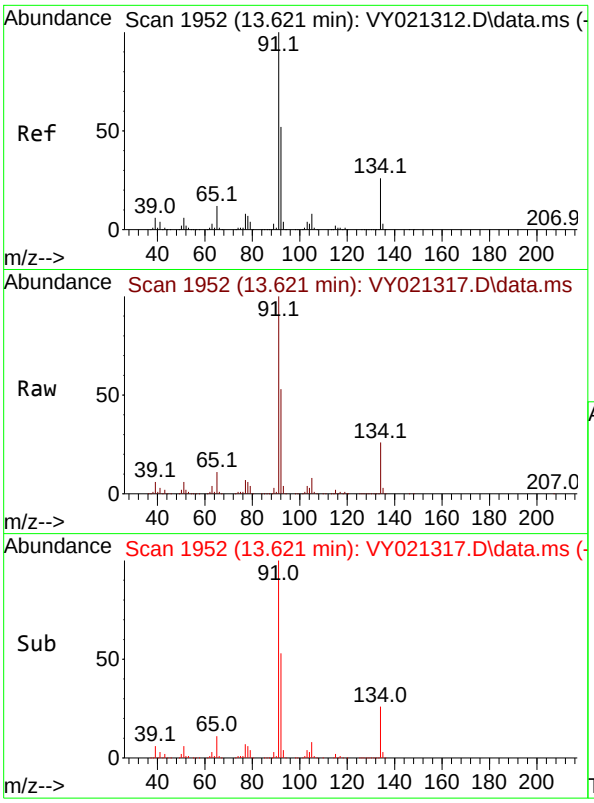


#88
1,4-Dichlorobenzene
Concen: 54.098 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 233477

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	64.2	32.0	96.2

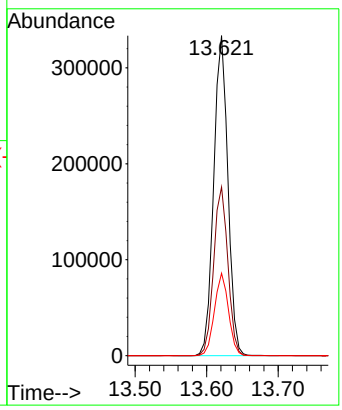




#89
n-Butylbenzene
Concen: 56.856 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 45906

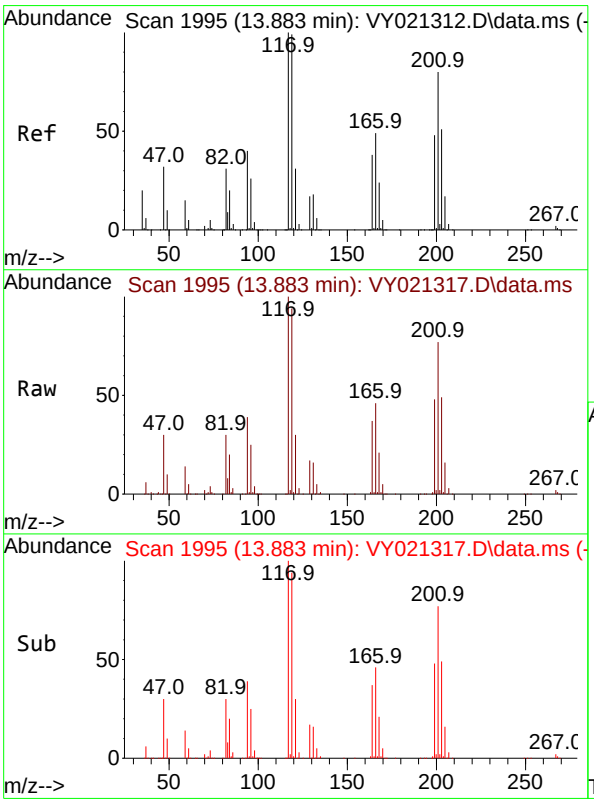
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.6	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

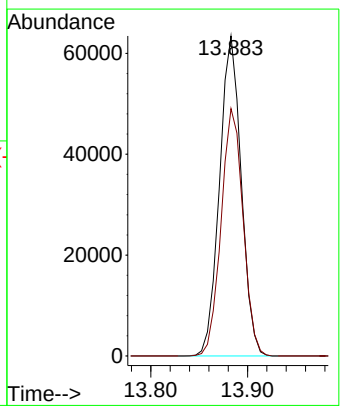
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

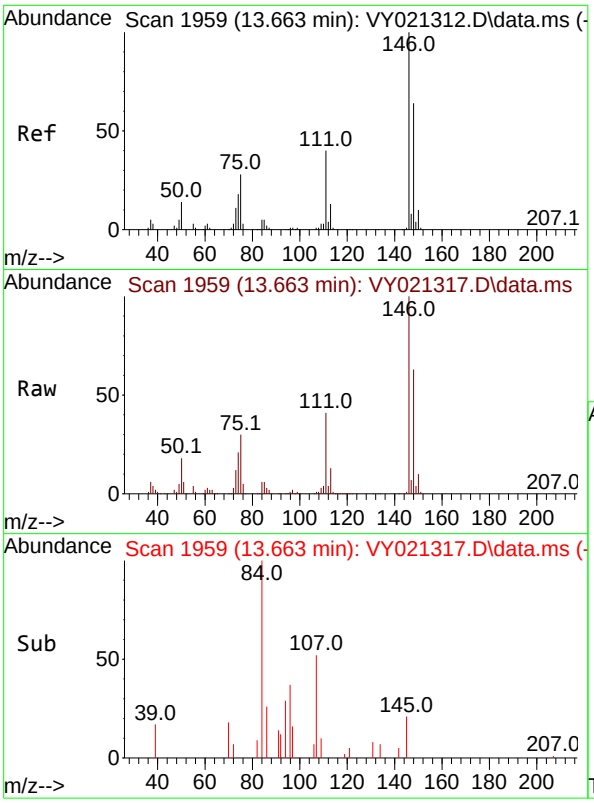


#90
Hexachloroethane
Concen: 55.035 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 98634

Ion	Ratio	Lower	Upper
117	100		
201	78.0	38.4	115.2

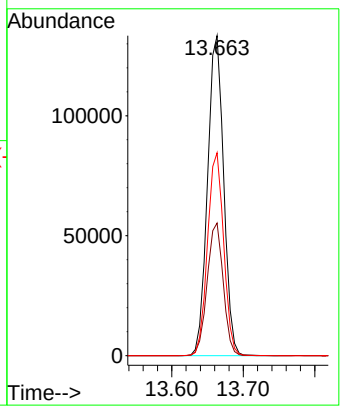




#91
1,2-Dichlorobenzene
Concen: 54.545 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 20877

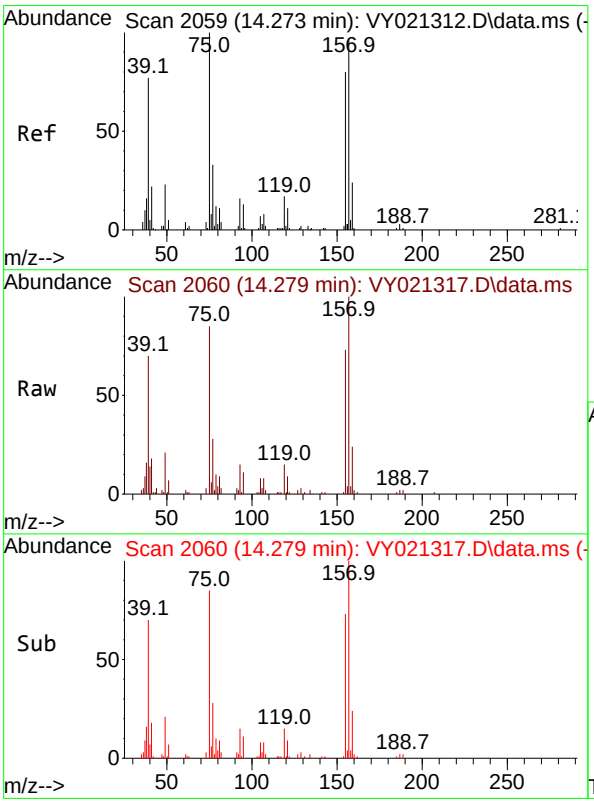
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.4	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

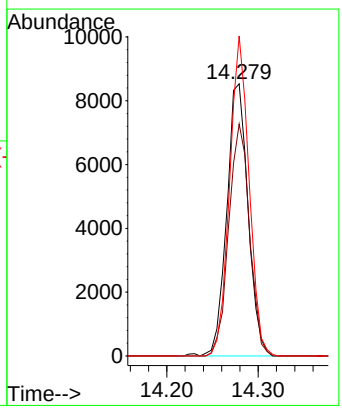
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

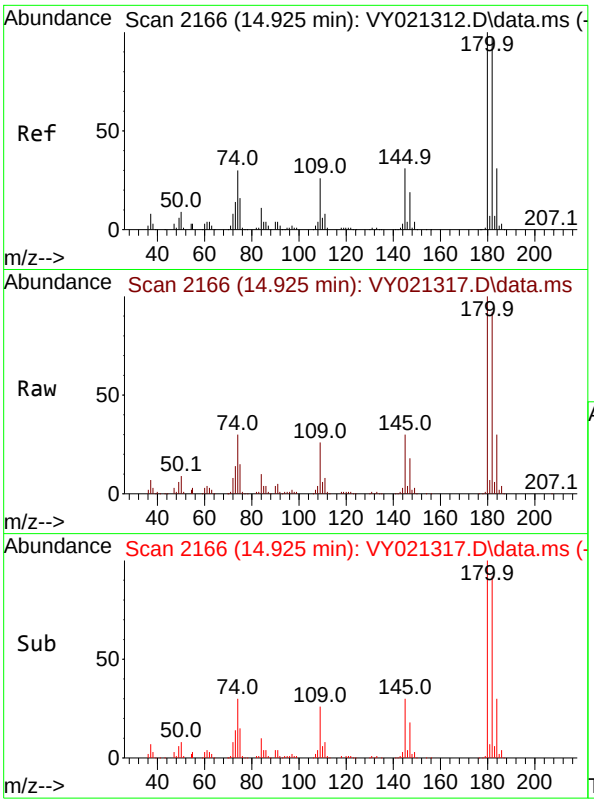


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.137 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 13821

Ion	Ratio	Lower	Upper
75	100		
155	83.0	41.9	125.6
157	107.2	52.5	157.6

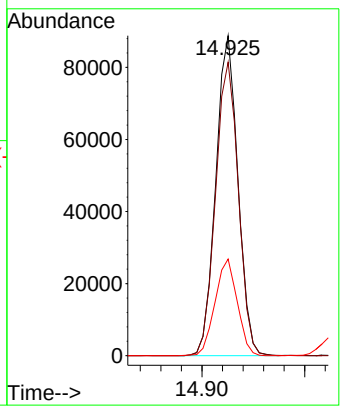




#93
1,2,4-Trichlorobenzene
Concen: 56.703 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:180 Resp: 13246

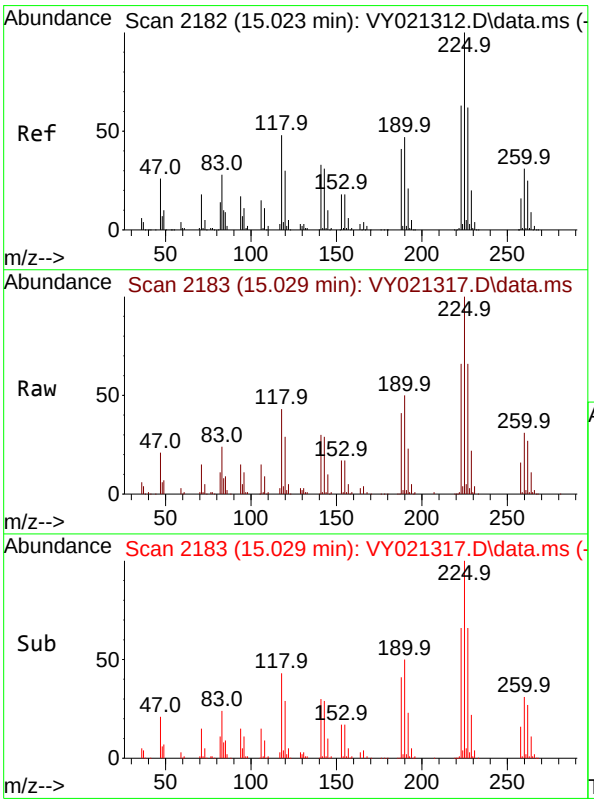
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.7
145	30.3	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

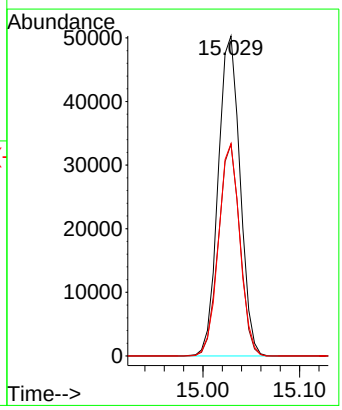
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

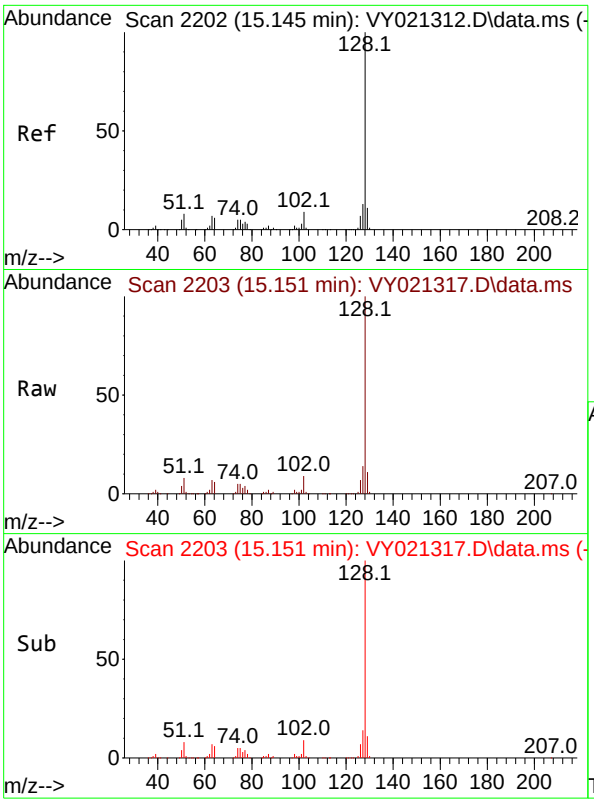


#94
Hexachlorobutadiene
Concen: 53.541 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:225 Resp: 78745

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.8	95.4
227	64.6	31.9	95.7

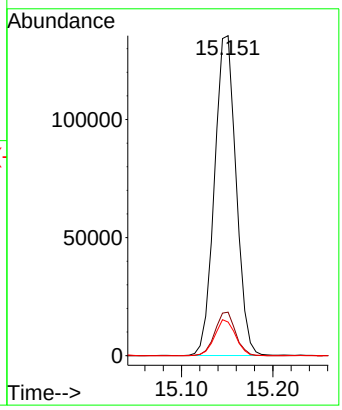




#95
Naphthalene
Concen: 57.589 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:128 Resp: 22283

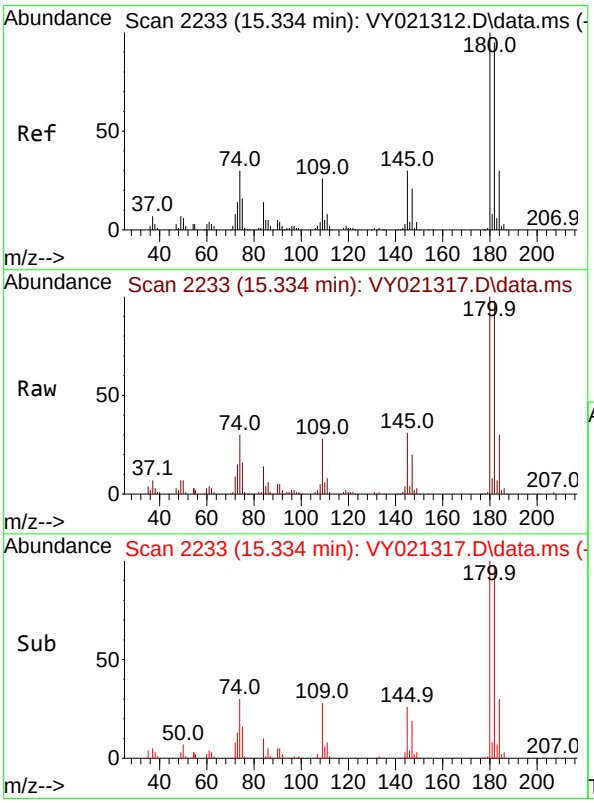
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

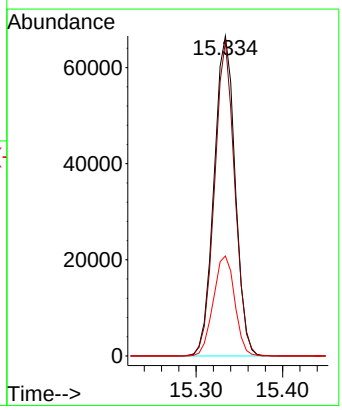
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 56.980 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:180 Resp: 112466

Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.3	144.9
145	31.7	16.1	48.3



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	105	0.00
2	T	Dichlorodifluoromethane	0.474	0.511	-7.8	109	0.00
3	P	Chloromethane	0.612	0.655	-7.0	114	0.00
4	C	Vinyl Chloride	0.601	0.663	-10.3#	111	0.00
5	T	Bromomethane	0.399	0.419	-5.0	114	0.00
6	T	Chloroethane	0.373	0.408	-9.4	110	0.00
7	T	Trichlorofluoromethane	0.908	0.969	-6.7	108	0.00
8	T	Diethyl Ether	0.272	0.299	-9.9	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.525	0.569	-8.4	111	0.00
10	T	Methyl Iodide	0.553	0.678	-22.6	112	0.00
11	T	Tert butyl alcohol	0.044	0.039	11.4	101	0.00
12	CM	1,1-Dichloroethene	0.503	0.544	-8.2#	111	0.00
13	T	Acrolein	0.033	0.007	78.8#	108	0.00
14	T	Allyl chloride	0.892	0.988	-10.8	112	0.00
15	T	Acrylonitrile	0.120	0.129	-7.5	106	0.00
16	T	Acetone	0.109	0.099	9.2	81	0.00
17	T	Carbon Disulfide	1.671	1.824	-9.2	110	0.00
18	T	Methyl Acetate	0.266	0.279	-4.9	106	0.00
19	T	Methyl tert-butyl Ether	1.329	1.444	-8.7	107	0.00
20	T	Methylene Chloride	0.588	0.601	-2.2	108	0.00
21	T	trans-1,2-Dichloroethene	0.554	0.610	-10.1	111	0.00
22	T	Diisopropyl ether	1.846	2.052	-11.2	110	0.00
23	T	Vinyl Acetate	1.103	1.214	-10.1	107	0.00
24	P	1,1-Dichloroethane	1.040	1.144	-10.0	111	0.00
25	T	2-Butanone	0.164	0.166	-1.2	95	0.00
26	T	2,2-Dichloropropane	0.944	1.017	-7.7	110	0.00
27	T	cis-1,2-Dichloroethene	0.632	0.712	-12.7	112	0.00
28	T	Bromochloromethane	0.460	0.437	5.0	101	0.00
29	T	Tetrahydrofuran	0.107	0.112	-4.7	102	0.00
30	C	Chloroform	1.054	1.160	-10.1#	111	0.00
31	T	Cyclohexane	1.000	1.044	-4.4	111	0.00
32	T	1,1,1-Trichloroethane	0.960	1.057	-10.1	112	0.00
33	S	1,2-Dichloroethane-d4	0.567	0.538	5.1	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
35	S	Dibromofluoromethane	0.328	0.321	2.1	106	0.00
36	T	1,1-Dichloropropene	0.492	0.538	-9.3	112	0.00
37	T	Ethyl Acetate	0.245	0.249	-1.6	104	0.00
38	T	Carbon Tetrachloride	0.554	0.600	-8.3	111	0.00
39	T	Methylcyclohexane	0.623	0.678	-8.8	110	0.00
40	TM	Benzene	1.456	1.589	-9.1	111	0.00
41	T	Methacrylonitrile	0.137	0.135	1.5	99	0.00
42	TM	1,2-Dichloroethane	0.413	0.444	-7.5	110	0.00
43	T	Isopropyl Acetate	0.474	0.497	-4.9	104	0.00
44	TM	Trichloroethene	0.364	0.400	-9.9	112	0.00
45	C	1,2-Dichloropropane	0.350	0.382	-9.1#	110	0.00
46	T	Dibromomethane	0.191	0.209	-9.4	110	0.00
47	T	Bromodichloromethane	0.511	0.556	-8.8	110	0.00
48	T	Methyl methacrylate	0.222	0.244	-9.9	106	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	107	0.00
50	S	Toluene-d8	1.267	1.234	2.6	106	0.00
51	T	4-Methyl-2-Pentanone	0.243	0.255	-4.9	102	0.00
52	CM	Toluene	0.904	1.007	-11.4#	112	0.00
53	T	t-1,3-Dichloropropene	0.468	0.521	-11.3	108	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.612	-10.9	111	0.00
55	T	1,1,2-Trichloroethane	0.249	0.266	-6.8	107	0.00
56	T	Ethyl methacrylate	0.345	0.384	-11.3	105	0.00
57	T	1,3-Dichloropropane	0.438	0.477	-8.9	109	0.00
58	T	2-Chloroethyl Vinyl ether	0.165	0.152	7.9	85	0.00
59	T	2-Hexanone	0.159	0.168	-5.7	99	0.00
60	T	Dibromochloromethane	0.340	0.369	-8.5	108	0.00
61	T	1,2-Dibromoethane	0.236	0.255	-8.1	108	0.00
62	S	4-Bromofluorobenzene	0.426	0.414	2.8	105	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.378	0.400	-5.8	110	0.00
65	PM	Chlorobenzene	1.122	1.221	-8.8	111	0.00
66	T	1,1,1,2-Tetrachloroethane	0.393	0.429	-9.2	111	0.00
67	C	Ethyl Benzene	1.988	2.226	-12.0#	112	0.00
68	T	m/p-Xylenes	0.748	0.832	-11.2	111	0.00
69	T	o-Xylene	0.701	0.786	-12.1	111	0.00
70	T	Styrene	1.166	1.313	-12.6	110	0.00
71	P	Bromoform	0.225	0.241	-7.1	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	3.759	4.283	-13.9	112	0.00
74	T	N-amyl acetate	0.955	1.061	-11.1	104	0.00
75	P	1,1,2,2-Tetrachloroethane	0.663	0.707	-6.6	105	0.00
76	T	1,2,3-Trichloropropane	0.500	0.446	10.8	88	0.00
77	T	Bromobenzene	0.874	0.967	-10.6	110	0.00
78	T	n-propylbenzene	4.561	5.180	-13.6	111	0.00
79	T	2-Chlorotoluene	2.618	2.922	-11.6	112	0.00
80	T	1,3,5-Trimethylbenzene	3.083	3.487	-13.1	111	0.00
81	T	trans-1,4-Dichloro-2-butene	0.225	0.240	-6.7	102	0.00
82	T	4-Chlorotoluene	2.714	2.972	-9.5	110	0.00
83	T	tert-Butylbenzene	2.785	3.113	-11.8	112	0.00
84	T	1,2,4-Trimethylbenzene	3.066	3.472	-13.2	111	0.00
85	T	sec-Butylbenzene	4.068	4.528	-11.3	110	0.00
86	T	p-Isopropyltoluene	3.397	3.833	-12.8	111	0.00
87	T	1,3-Dichlorobenzene	1.730	1.896	-9.6	110	0.00
88	T	1,4-Dichlorobenzene	1.709	1.849	-8.2	110	0.00
89	T	n-Butylbenzene	3.196	3.635	-13.7	110	0.00
90	T	Hexachloroethane	0.710	0.781	-10.0	112	0.00
91	T	1,2-Dichlorobenzene	1.515	1.653	-9.1	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.105	0.109	-3.8	100	0.00
93	T	1,2,4-Trichlorobenzene	0.925	1.049	-13.4	112	0.00
94	T	Hexachlorobutadiene	0.582	0.623	-7.0	109	0.00
95	T	Naphthalene	1.532	1.764	-15.1	106	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	0.781	0.890	-14.0	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	105	0.00
2	T	Dichlorodifluoromethane	50.000	53.871	-7.7	109	0.00
3	P	Chloromethane	50.000	53.523	-7.0	114	0.00
4	C	Vinyl Chloride	50.000	55.184	-10.4#	111	0.00
5	T	Bromomethane	50.000	52.483	-5.0	114	0.00
6	T	Chloroethane	50.000	54.804	-9.6	110	0.00
7	T	Trichlorofluoromethane	50.000	53.384	-6.8	108	0.00
8	T	Diethyl Ether	50.000	54.849	-9.7	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.188	-8.4	111	0.00
10	T	Methyl Iodide	50.000	61.361	-22.7	112	0.00
11	T	Tert butyl alcohol	250.000	221.762	11.3	101	0.00
12	CM	1,1-Dichloroethene	50.000	54.104	-8.2#	111	0.00
13	T	Acrolein	250.000	51.554	79.4#	108	0.00
14	T	Allyl chloride	50.000	55.361	-10.7	112	0.00
15	T	Acrylonitrile	250.000	267.274	-6.9	106	0.00
16	T	Acetone	250.000	227.197	9.1	81	0.00
17	T	Carbon Disulfide	50.000	54.581	-9.2	110	0.00
18	T	Methyl Acetate	50.000	52.372	-4.7	106	0.00
19	T	Methyl tert-butyl Ether	50.000	54.311	-8.6	107	0.00
20	T	Methylene Chloride	50.000	51.062	-2.1	108	0.00
21	T	trans-1,2-Dichloroethene	50.000	55.044	-10.1	111	0.00
22	T	Diisopropyl ether	50.000	55.595	-11.2	110	0.00
23	T	Vinyl Acetate	250.000	275.197	-10.1	107	0.00
24	P	1,1-Dichloroethane	50.000	55.004	-10.0	111	0.00
25	T	2-Butanone	250.000	253.246	-1.3	95	0.00
26	T	2,2-Dichloropropane	50.000	53.893	-7.8	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	56.305	-12.6	112	0.00
28	T	Bromochloromethane	50.000	47.452	5.1	101	0.00
29	T	Tetrahydrofuran	250.000	260.172	-4.1	102	0.00
30	C	Chloroform	50.000	55.023	-10.0#	111	0.00
31	T	Cyclohexane	50.000	52.180	-4.4	111	0.00
32	T	1,1,1-Trichloroethane	50.000	55.084	-10.2	112	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.453	5.1	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00
35	S	Dibromofluoromethane	50.000	49.037	1.9	106	0.00
36	T	1,1-Dichloropropene	50.000	54.593	-9.2	112	0.00
37	T	Ethyl Acetate	50.000	50.864	-1.7	104	0.00
38	T	Carbon Tetrachloride	50.000	54.157	-8.3	111	0.00
39	T	Methylcyclohexane	50.000	54.397	-8.8	110	0.00
40	TM	Benzene	50.000	54.583	-9.2	111	0.00
41	T	Methacrylonitrile	50.000	49.244	1.5	99	0.00
42	TM	1,2-Dichloroethane	50.000	53.746	-7.5	110	0.00
43	T	Isopropyl Acetate	50.000	52.380	-4.8	104	0.00
44	TM	Trichloroethene	50.000	54.930	-9.9	112	0.00
45	C	1,2-Dichloropropane	50.000	54.464	-8.9#	110	0.00
46	T	Dibromomethane	50.000	54.539	-9.1	110	0.00
47	T	Bromodichloromethane	50.000	54.489	-9.0	110	0.00
48	T	Methyl methacrylate	50.000	55.076	-10.2	106	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	1053.076	-5.3	107	0.00
50	S	Toluene-d8	50.000	48.694	2.6	106	0.00
51	T	4-Methyl-2-Pentanone	250.000	262.628	-5.1	102	0.00
52	CM	Toluene	50.000	55.674	-11.3#	112	0.00
53	T	t-1,3-Dichloropropene	50.000	55.699	-11.4	108	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.451	-10.9	111	0.00
55	T	1,1,2-Trichloroethane	50.000	53.263	-6.5	107	0.00
56	T	Ethyl methacrylate	50.000	55.679	-11.4	105	0.00
57	T	1,3-Dichloropropane	50.000	54.438	-8.9	109	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	228.990	8.4	85	0.00
59	T	2-Hexanone	250.000	264.133	-5.7	99	0.00
60	T	Dibromochloromethane	50.000	54.329	-8.7	108	0.00
61	T	1,2-Dibromoethane	50.000	53.942	-7.9	108	0.00
62	S	4-Bromofluorobenzene	50.000	48.549	2.9	105	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	52.940	-5.9	110	0.00
65	PM	Chlorobenzene	50.000	54.410	-8.8	111	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.517	-9.0	111	0.00
67	C	Ethyl Benzene	50.000	55.992	-12.0#	112	0.00
68	T	m/p-Xylenes	100.000	111.274	-11.3	111	0.00
69	T	o-Xylene	50.000	56.108	-12.2	111	0.00
70	T	Styrene	50.000	56.307	-12.6	110	0.00
71	P	Bromoform	50.000	53.590	-7.2	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	56.974	-13.9	112	0.00
74	T	N-amyl acetate	50.000	55.509	-11.0	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.254	-6.5	105	0.00
76	T	1,2,3-Trichloropropane	50.000	44.570	10.9	88	0.00
77	T	Bromobenzene	50.000	55.296	-10.6	110	0.00
78	T	n-propylbenzene	50.000	56.783	-13.6	111	0.00
79	T	2-Chlorotoluene	50.000	55.813	-11.6	112	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.549	-13.1	111	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.216	-6.4	102	0.00
82	T	4-Chlorotoluene	50.000	54.757	-9.5	110	0.00
83	T	tert-Butylbenzene	50.000	55.900	-11.8	112	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.621	-13.2	111	0.00
85	T	sec-Butylbenzene	50.000	55.655	-11.3	110	0.00
86	T	p-Isopropyltoluene	50.000	56.427	-12.9	111	0.00
87	T	1,3-Dichlorobenzene	50.000	54.800	-9.6	110	0.00
88	T	1,4-Dichlorobenzene	50.000	54.098	-8.2	110	0.00
89	T	n-Butylbenzene	50.000	56.856	-13.7	110	0.00
90	T	Hexachloroethane	50.000	55.035	-10.1	112	0.00
91	T	1,2-Dichlorobenzene	50.000	54.545	-9.1	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.137	-4.3	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.703	-13.4	112	0.00
94	T	Hexachlorobutadiene	50.000	53.541	-7.1	109	0.00
95	T	Naphthalene	50.000	57.589	-15.2	106	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	56.980	-14.0	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG No.: Q1421

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

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

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.493	0.416	0.447	0.440	0.429	0.529	0.459	9.4
Chloromethane	0.694	0.588	0.617	0.608	0.580	0.793	0.647	12.7
Vinyl Chloride	0.762	0.639	0.691	0.706	0.665	0.778	0.707	7.7
Bromomethane	0.555	0.450	0.468	0.483	0.468	0.641	0.511	14.4
Chloroethane	0.505	0.427	0.460	0.458	0.432	0.521	0.467	8.2
Trichlorofluoromethane	1.050	0.896	0.967	0.963	0.935	1.109	0.987	8
1,1,2-Trichlorotrifluoroethane	0.600	0.507	0.538	0.542	0.525	0.668	0.563	10.7
1,1-Dichloroethene	0.542	0.460	0.506	0.512	0.494	0.566	0.514	7.2
Acetone	0.124	0.091	0.134	0.103	0.095	0.144	0.115	18.9
Carbon Disulfide	1.705	1.425	1.631	1.618	1.546	1.732	1.610	7
Methyl tert-butyl Ether	1.290	1.177	1.366	1.299	1.315	1.364	1.302	5.3
Methyl Acetate	0.253	0.227	0.284	0.245	0.257	0.268	0.256	7.6
Methylene Chloride	0.717	0.538	0.552	0.530	0.507	0.788	0.605	19.4
trans-1,2-Dichloroethene	0.608	0.516	0.564	0.570	0.545	0.648	0.575	8.1
1,1-Dichloroethane	1.124	0.955	1.050	1.035	0.991	1.179	1.056	7.9
Cyclohexane	1.039	0.885	0.941	0.943	0.914	1.216	0.990	12.4
2-Butanone	0.160	0.136	0.181	0.149	0.151	0.180	0.159	11.2
Carbon Tetrachloride	0.627	0.538	0.587	0.595	0.579	0.625	0.592	5.6
cis-1,2-Dichloroethene	0.675	0.592	0.654	0.658	0.639	0.702	0.653	5.6
Bromochloromethane	0.481	0.423	0.467	0.426	0.380	0.478	0.443	9
Chloroform	1.181	0.992	1.087	1.066	1.029	1.222	1.096	8.1
1,1,1-Trichloroethane	1.063	0.894	0.978	0.983	0.953	1.151	1.004	9
Methylcyclohexane	0.595	0.550	0.651	0.680	0.669	0.641	0.631	7.8
Benzene	1.554	1.366	1.542	1.540	1.473	1.618	1.515	5.7
1,2-Dichloroethane	0.446	0.386	0.436	0.414	0.408	0.453	0.424	6.1
Trichloroethene	0.390	0.349	0.381	0.384	0.378	0.415	0.383	5.5
1,2-Dichloropropane	0.371	0.333	0.368	0.358	0.347	0.388	0.361	5.3
Bromodichloromethane	0.550	0.485	0.548	0.535	0.521	0.559	0.533	5
4-Methyl-2-Pentanone	0.210	0.202	0.263	0.230	0.243	0.219	0.228	9.9
Toluene	0.952	0.853	0.988	0.997	0.958	0.983	0.955	5.6

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG No.: Q1421

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

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

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.447	0.420	0.499	0.495	0.495	0.461	0.470	6.8
cis-1,3-Dichloropropene	0.544	0.498	0.587	0.579	0.566	0.570	0.557	5.8
1,1,2-Trichloroethane	0.264	0.237	0.283	0.259	0.257	0.274	0.263	6
2-Hexanone	0.135	0.129	0.182	0.156	0.163	0.139	0.151	13.1
Dibromochloromethane	0.358	0.327	0.376	0.363	0.361	0.374	0.360	4.9
1,2-Dibromoethane	0.246	0.226	0.262	0.248	0.247	0.258	0.248	5.1
Tetrachloroethene	0.418	0.370	0.403	0.407	0.393	0.449	0.407	6.5
Chlorobenzene	1.194	1.065	1.186	1.192	1.165	1.283	1.181	5.9
Ethyl Benzene	2.005	1.825	2.135	2.209	2.146	2.115	2.072	6.7
m/p-Xylenes	0.761	0.705	0.822	0.833	0.803	0.797	0.787	6
o-Xylene	0.700	0.635	0.759	0.779	0.754	0.723	0.725	7.2
Styrene	1.133	1.084	1.277	1.306	1.267	1.151	1.203	7.6
Bromoform	0.227	0.213	0.250	0.237	0.238	0.235	0.233	5.3
Isopropylbenzene	3.797	3.468	4.034	4.231	4.124	3.977	3.939	6.9
1,1,2,2-Tetrachloroethane	0.712	0.637	0.727	0.667	0.690	0.737	0.695	5.4
1,3-Dichlorobenzene	1.861	1.640	1.812	1.840	1.822	2.031	1.834	6.8
1,4-Dichlorobenzene	1.820	1.624	1.782	1.783	1.764	1.989	1.794	6.5
1,2-Dichlorobenzene	1.561	1.431	1.588	1.568	1.560	1.723	1.572	5.9
1,2-Dibromo-3-Chloropropane	0.101	0.092	0.108	0.098	0.108	0.117	0.104	8.3
1,2,4-Trichlorobenzene	0.723	0.735	0.908	0.926	0.994	0.864	0.859	12.7
1,2,3-Trichlorobenzene	0.604	0.614	0.775	0.771	0.835	0.734	0.722	13
1,2-Dichloroethane-d4	0.580	0.514	0.482	0.511	0.477	0.606	0.528	10
Dibromofluoromethane	0.348	0.315	0.296	0.332	0.311	0.371	0.329	8.3
Toluene-d8	1.276	1.179	1.135	1.289	1.203	1.384	1.244	7.2
4-Bromofluorobenzene	0.424	0.394	0.386	0.433	0.405	0.498	0.423	9.6

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y030425S.M
Title : SW846 8260
Last Update : Wed Mar 05 12:42:45 2025
Response Via : Initial Calibration

Calibration Files
5 =VY021403.D 10 =VY021397.D 20 =VY021398.D 50 =VY021399.D 100 =VY021400.D 150 =VY021401.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.529	0.493	0.416	0.447	0.440	0.429	0.459	9.38
3)	P	Chloromethane	0.793	0.694	0.588	0.617	0.608	0.580	0.647	12.70
4)	C	Vinyl Chloride	0.778	0.762	0.639	0.691	0.706	0.665	0.707	7.70#
5)	T	Bromomethane	0.641	0.555	0.450	0.468	0.483	0.468	0.511	14.40
6)	T	Chloroethane	0.521	0.505	0.427	0.460	0.458	0.432	0.467	8.21
7)	T	Trichlorofluor...	1.109	1.050	0.896	0.967	0.963	0.935	0.987	7.97
8)	T	Diethyl Ether	0.301	0.280	0.249	0.283	0.264	0.263	0.273	6.77
9)	T	1,1,2-Trichlor...	0.668	0.600	0.507	0.538	0.542	0.525	0.563	10.69
10)	T	Methyl Iodide	0.492	0.562	0.515	0.632	0.628	0.606	0.573	10.39
11)	T	Tert butyl alc...	0.061	0.049	0.036	0.038	0.030	0.033	0.041	28.30
12)	CM	1,1-Dichloroet...	0.566	0.542	0.460	0.506	0.512	0.494	0.514	7.23#
13)	T	Acrolein	0.054	0.051	0.043	0.005	0.004	0.004	0.027	92.94
14)	T	Allyl chloride	0.883	0.851	0.744	0.842	0.847	0.813	0.830	5.72
15)	T	Acrylonitrile	0.122	0.121	0.105	0.125	0.111	0.113	0.116	6.52
16)	T	Acetone	0.144	0.124	0.091	0.134	0.103	0.095	0.115	18.92
17)	T	Carbon Disulfide	1.732	1.705	1.425	1.631	1.618	1.546	1.610	6.95
18)	T	Methyl Acetate	0.268	0.253	0.227	0.284	0.245	0.257	0.256	7.60
19)	T	Methyl tert-bu...	1.364	1.289	1.177	1.366	1.299	1.315	1.302	5.30
20)	T	Methylene Chlo...	0.788	0.717	0.538	0.552	0.530	0.507	0.605	19.37
21)	T	trans-1,2-Dich...	0.648	0.608	0.516	0.564	0.570	0.545	0.575	8.12
22)	T	Diisopropyl ether	1.846	1.824	1.675	1.851	1.798	1.738	1.789	3.87
23)	T	Vinyl Acetate	1.014	0.996	0.937	1.110	1.032	1.035	1.021	5.55
24)	P	1,1-Dichloroet...	1.179	1.124	0.955	1.050	1.035	0.991	1.056	7.88
25)	T	2-Butanone	0.180	0.160	0.136	0.181	0.149	0.151	0.159	11.20
26)	T	2,2-Dichloropr...	1.106	1.043	0.860	0.938	0.955	0.926	0.971	9.11
27)	T	cis-1,2-Dichlo...	0.702	0.675	0.592	0.654	0.658	0.639	0.653	5.64
28)	T	Bromochloromet...	0.478	0.481	0.423	0.467	0.426	0.380	0.443	8.99
29)	T	Tetrahydrofuran	0.104	0.096	0.089	0.111	0.094	0.098	0.098	7.69
30)	C	Chloroform	1.222	1.181	0.992	1.087	1.066	1.029	1.096	8.11#
31)	T	Cyclohexane	1.216	1.039	0.885	0.941	0.943	0.914	0.990	12.38
32)	T	1,1,1-Trichlor...	1.151	1.063	0.894	0.978	0.983	0.953	1.004	9.02
33)	S	1,2-Dichloroet...	0.606	0.580	0.514	0.482	0.511	0.477	0.528	9.98
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.371	0.348	0.315	0.296	0.332	0.311	0.329	8.31
36)	T	1,1-Dichloropr...	0.549	0.528	0.462	0.518	0.525	0.504	0.514	5.73
37)	T	Ethyl Acetate	0.242	0.225	0.206	0.248	0.220	0.225	0.227	6.72
38)	T	Carbon Tetrach...	0.625	0.627	0.538	0.587	0.595	0.579	0.592	5.56
39)	T	Methylcyclohexane	0.641	0.595	0.550	0.651	0.680	0.669	0.631	7.84
40)	TM	Benzene	1.618	1.554	1.366	1.542	1.540	1.473	1.515	5.71
41)	T	Methacrylonitrile	0.122	0.132	0.104	0.131	0.129	0.124	0.124	8.53
42)	TM	1,2-Dichloroet...	0.453	0.446	0.386	0.436	0.414	0.408	0.424	6.07
43)	T	Isopropyl Acetate	0.456	0.421	0.386	0.483	0.442	0.461	0.441	7.75
44)	TM	Trichloroethene	0.415	0.390	0.349	0.381	0.384	0.378	0.383	5.51
45)	C	1,2-Dichloropr...	0.388	0.371	0.333	0.368	0.358	0.347	0.361	5.33#
46)	T	Dibromomethane	0.208	0.202	0.185	0.212	0.198	0.198	0.201	4.75
47)	T	Bromodichlorom...	0.559	0.550	0.485	0.548	0.535	0.521	0.533	5.05
48)	T	Methyl methacr...	0.187	0.183	0.184	0.229	0.212	0.222	0.203	10.14
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	10.05
50)	S	Toluene-d8	1.384	1.276	1.179	1.135	1.289	1.203	1.244	7.24
51)	T	4-Methyl-2-Pen...	0.219	0.210	0.202	0.263	0.230	0.243	0.228	9.85
52)	CM	Toluene	0.983	0.952	0.853	0.988	0.997	0.958	0.955	5.56#
53)	T	t-1,3-Dichloro...	0.461	0.447	0.420	0.499	0.495	0.495	0.470	6.82
54)	T	cis-1,3-Dichlo...	0.570	0.544	0.498	0.587	0.579	0.566	0.557	5.84
55)	T	1,1,2-Trichlor...	0.274	0.264	0.237	0.283	0.259	0.257	0.263	5.99
56)	T	Ethyl methacry...	0.291	0.293	0.289	0.383	0.367	0.386	0.335	14.50

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y030425S.M

57)	T	1,3-Dichloropr...	0.465	0.462	0.421	0.478	0.452	0.451	0.455	4.24
58)	T	2-Chloroethyl ...	0.136	0.135	0.139	0.174	0.162	0.181	0.155	13.30
59)	T	2-Hexanone	0.139	0.135	0.129	0.182	0.156	0.163	0.151	13.15
60)	T	Dibromochlorom...	0.374	0.358	0.327	0.376	0.363	0.361	0.360	4.92
61)	T	1,2-Dibromoethane	0.258	0.246	0.226	0.262	0.248	0.247	0.248	5.07
62)	S	4-Bromofluorob...	0.498	0.424	0.394	0.386	0.433	0.405	0.423	9.60
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.449	0.418	0.370	0.403	0.407	0.393	0.407	6.47
65)	PM	Chlorobenzene	1.283	1.194	1.065	1.186	1.192	1.165	1.181	5.93
66)	T	1,1,1,2-Tetrac...	0.449	0.420	0.377	0.421	0.423	0.414	0.417	5.61
67)	C	Ethyl Benzene	2.115	2.005	1.825	2.135	2.209	2.146	2.072	6.67#
68)	T	m/p-Xylenes	0.797	0.761	0.705	0.822	0.833	0.803	0.787	5.97
69)	T	o-Xylene	0.723	0.700	0.635	0.759	0.779	0.754	0.725	7.20
70)	T	Styrene	1.151	1.133	1.084	1.277	1.306	1.267	1.203	7.61
71)	P	Bromoform	0.235	0.227	0.213	0.250	0.237	0.238	0.233	5.28
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.977	3.797	3.468	4.034	4.231	4.124	3.939	6.93
74)	T	N-amyl acetate	0.765	0.746	0.743	0.950	0.925	1.003	0.855	13.67
75)	P	1,1,2,2-Tetrac...	0.737	0.712	0.637	0.727	0.667	0.690	0.695	5.44
76)	T	1,2,3-Trichlor...	0.627	0.523	0.430	0.491	0.488	0.464	0.504	13.47
77)	T	Bromobenzene	0.982	0.928	0.823	0.926	0.936	0.933	0.921	5.67
78)	T	n-propylbenzene	4.979	4.605	4.262	4.905	5.046	4.904	4.783	6.20
79)	T	2-Chlorotoluene	2.922	2.707	2.449	2.741	2.824	2.768	2.735	5.82
80)	T	1,3,5-Trimethy...	3.307	3.096	2.895	3.256	3.373	3.277	3.201	5.49
81)	T	trans-1,4-Dich...	0.213	0.214	0.193	0.238	0.229	0.243	0.222	8.31
82)	T	4-Chlorotoluene	2.991	2.866	2.534	2.849	2.931	2.824	2.832	5.59
83)	T	tert-Butylbenzene	2.890	2.771	2.493	2.924	3.096	2.959	2.855	7.23
84)	T	1,2,4-Trimethy...	3.241	3.006	2.901	3.274	3.353	3.294	3.178	5.70
85)	T	sec-Butylbenzene	4.457	3.977	3.848	4.358	4.471	4.380	4.248	6.29
86)	T	p-Isopropyltol...	3.547	3.237	3.132	3.591	3.761	3.732	3.500	7.42
87)	T	1,3-Dichlorobe...	2.031	1.861	1.640	1.812	1.840	1.822	1.834	6.80
88)	T	1,4-Dichlorobe...	1.989	1.820	1.624	1.782	1.783	1.764	1.794	6.54
89)	T	n-Butylbenzene	3.269	2.837	2.867	3.387	3.535	3.497	3.232	9.55
90)	T	Hexachloroethane	0.840	0.746	0.649	0.729	0.759	0.757	0.747	8.24
91)	T	1,2-Dichlorobe...	1.723	1.561	1.431	1.588	1.568	1.560	1.572	5.92
92)	T	1,2-Dibromo-3-...	0.117	0.101	0.092	0.108	0.098	0.108	0.104	8.28
93)	T	1,2,4-Trichlor...	0.864	0.723	0.735	0.908	0.926	0.994	0.859	12.66
94)	T	Hexachlorobuta...	0.581	0.469	0.480	0.551	0.567	0.582	0.538	9.41
95)	T	Naphthalene	1.214	1.048	1.148	1.580	1.571	1.779	1.390	21.00
96)	T	1,2,3-Trichlor...	0.734	0.604	0.614	0.775	0.771	0.835	0.722	12.99

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021397.D
Acq On : 04 Mar 2025 09:46
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:57:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	210415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	334495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	286225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	24408	10.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.960%#		
35) Dibromofluoromethane	7.640	113	23289	10.592	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.180%#		
50) Toluene-d8	10.109	98	85383	10.256	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.520%#		
62) 4-Bromofluorobenzene	12.407	95	28379	10.022	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.040%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	20733	10.737	ug/l	93
3) Chloromethane	2.074	50	29226	10.736	ug/l	100
4) Vinyl Chloride	2.208	62	32085	10.785	ug/l	95
5) Bromomethane	2.604	94	23372	10.870	ug/l	97
6) Chloroethane	2.744	64	21248	10.808	ug/l	95
7) Trichlorofluoromethane	3.067	101	44207	10.646	ug/l	97
8) Diethyl Ether	3.464	74	11802	10.256	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.823	101	25259	10.654	ug/l	98
10) Methyl Iodide	4.012	142	23638	9.809	ug/l	100
11) Tert butyl alcohol	4.872	59	10292m	53.545	ug/l	
12) 1,1-Dichloroethene	3.805	96	22821	10.558	ug/l	94
13) Acrolein	3.659	56	10792	95.404	ug/l	92
14) Allyl chloride	4.397	41	35815	10.253	ug/l	100
15) Acrylonitrile	5.073	53	25558	52.174	ug/l	99
16) Acetone	3.872	43	26021	53.644	ug/l	98
17) Carbon Disulfide	4.116	76	71755	10.593	ug/l	98
18) Methyl Acetate	4.397	43	10640	9.886	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	54266	9.906	ug/l	99
20) Methylene Chloride	4.622	84	30170	11.849	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	25590	10.572	ug/l	90
22) Diisopropyl ether	6.030	45	76752	10.196	ug/l	96
23) Vinyl Acetate	5.969	43	209626	48.795	ug/l	99
24) 1,1-Dichloroethane	5.921	63	47303	10.647	ug/l	96
25) 2-Butanone	6.902	43	33631	50.121	ug/l	100
26) 2,2-Dichloropropane	6.890	77	43881	10.734	ug/l	100
27) cis-1,2-Dichloroethene	6.908	96	28406	10.330	ug/l	98
28) Bromochloromethane	7.250	49	20230	10.861	ug/l	99
29) Tetrahydrofuran	7.274	42	20096	48.513	ug/l	99
30) Chloroform	7.426	83	49699	10.773	ug/l	96
31) Cyclohexane	7.707	56	43729	10.499	ug/l #	91
32) 1,1,1-Trichloroethane	7.628	97	44743	10.592	ug/l	98
36) 1,1-Dichloropropene	7.841	75	35303	10.258	ug/l	99
37) Ethyl Acetate	6.994	43	15039	9.687	ug/l	99
38) Carbon Tetrachloride	7.823	117	41920	10.591	ug/l	98
39) Methylcyclohexane	9.109	83	39826	9.434	ug/l	94
40) Benzene	8.085	78	103944	10.253	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021397.D
Acq On : 04 Mar 2025 09:46
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:57:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	8855m	10.472 ug/l	
42) 1,2-Dichloroethane	8.164	62	29851	10.525 ug/l	99
43) Isopropyl Acetate	8.201	43	28138	9.529 ug/l #	90
44) Trichloroethene	8.871	130	26077	10.179 ug/l	98
45) 1,2-Dichloropropane	9.146	63	24839	10.294 ug/l	96
46) Dibromomethane	9.237	93	13535	10.081 ug/l	99
47) Bromodichloromethane	9.426	83	36777	10.315 ug/l	97
48) Methyl methacrylate	9.225	41	12236	8.937 ug/l	99
49) 1,4-Dioxane	9.249	88	2337	177.344 ug/l #	87
51) 4-Methyl-2-Pentanone	9.999	43	70235	46.097 ug/l	100
52) Toluene	10.176	92	63716	9.968 ug/l	99
53) t-1,3-Dichloropropene	10.402	75	29928	9.528 ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	36383	9.756 ug/l	96
55) 1,1,2-Trichloroethane	10.578	97	17683	10.069 ug/l	96
56) Ethyl methacrylate	10.444	69	19614	8.757 ug/l	99
57) 1,3-Dichloropropane	10.725	76	30899	10.151 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	45096	43.615 ug/l	100
59) 2-Hexanone	10.767	43	45211	44.876 ug/l	96
60) Dibromochloromethane	10.914	129	23922	9.936 ug/l	100
61) 1,2-Dibromoethane	11.017	107	16472	9.938 ug/l	96
64) Tetrachloroethene	10.652	164	23948	10.289 ug/l	97
65) Chlorobenzene	11.444	112	68332	10.110 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.523	131	24052	10.065 ug/l	99
67) Ethyl Benzene	11.523	91	114793	9.676 ug/l	97
68) m/p-Xylenes	11.633	106	87134	19.346 ug/l	98
69) o-Xylene	11.956	106	40080	9.655 ug/l	98
70) Styrene	11.974	104	64841	9.416 ug/l	99
71) Bromoform	12.139	173	12983	9.719 ug/l #	94
73) Isopropylbenzene	12.261	105	104663	9.639 ug/l	99
74) N-amyl acetate	12.072	43	20573	8.725 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	19638	10.249 ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	14405m	10.371 ug/l	
77) Bromobenzene	12.535	156	25588	10.073 ug/l	99
78) n-propylbenzene	12.602	91	126938	9.626 ug/l	99
79) 2-Chlorotoluene	12.682	91	74631	9.898 ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	85353	9.673 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	5896	9.650 ug/l	98
82) 4-Chlorotoluene	12.785	91	78997	10.118 ug/l	100
83) tert-Butylbenzene	13.005	119	76394	9.705 ug/l	98
84) 1,2,4-Trimethylbenzene	13.047	105	82865	9.458 ug/l	100
85) sec-Butylbenzene	13.182	105	109643	9.362 ug/l	100
86) p-Isopropyltoluene	13.297	119	89228	9.248 ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	51307	10.147 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	50160	10.143 ug/l	97
89) n-Butylbenzene	13.620	91	78217	8.779 ug/l	100
90) Hexachloroethane	13.883	117	20579	9.998 ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	43028	9.929 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	2787	9.710 ug/l	94
93) 1,2,4-Trichlorobenzene	14.925	180	19935	8.422 ug/l	97
94) Hexachlorobutadiene	15.029	225	12923	8.709 ug/l	98
95) Naphthalene	15.151	128	28894	9.071 ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	16639	8.358 ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021397.D
Acq On : 04 Mar 2025 09:46
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:57:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

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

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

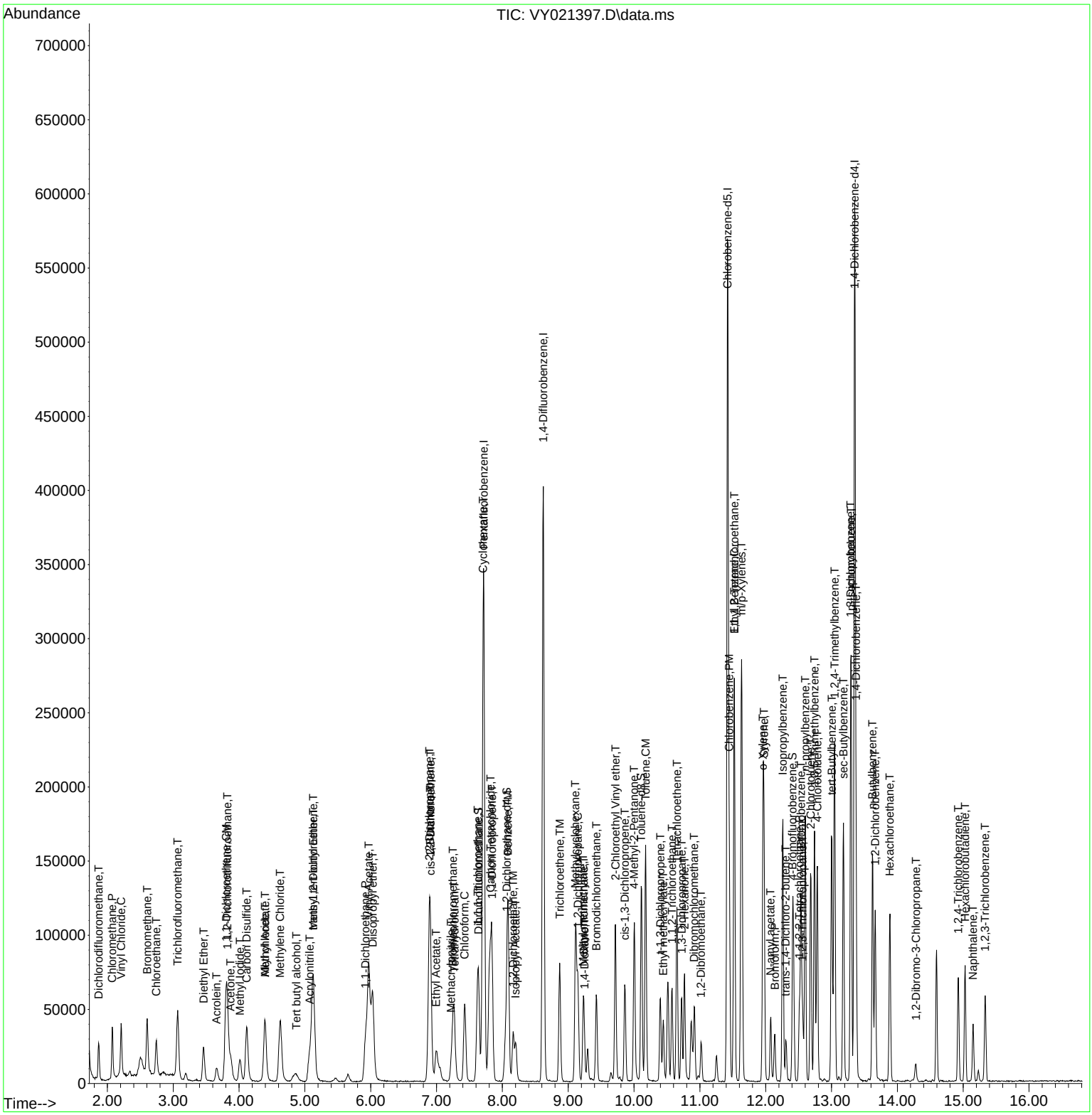
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021397.D
Acq On : 04 Mar 2025 09:46
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

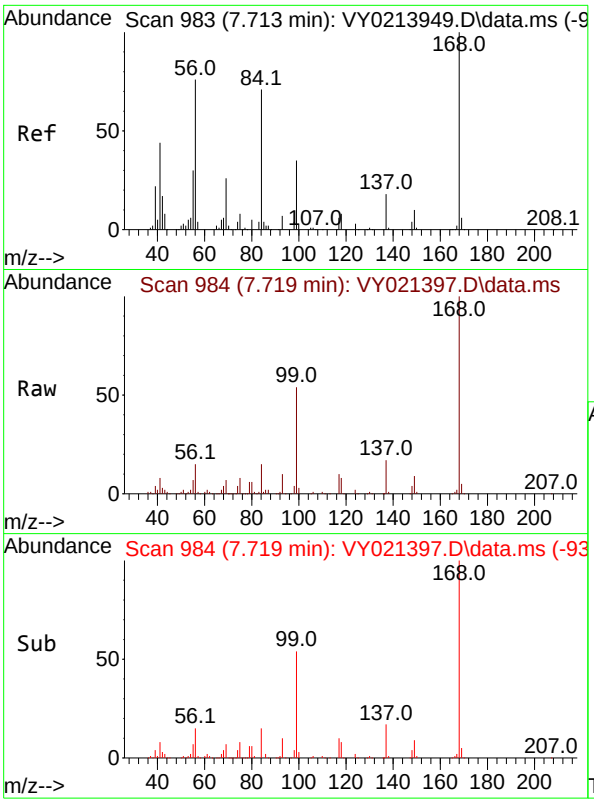
Quant Time: Mar 05 02:57:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

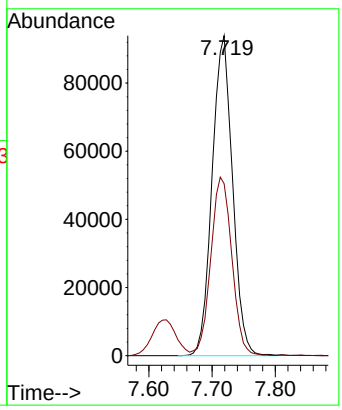




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:168 Resp: 21041

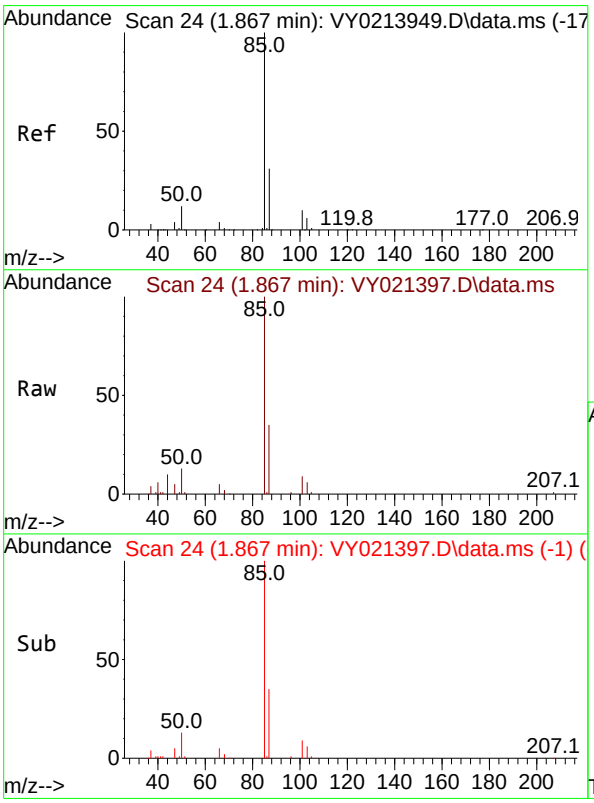
Ion	Ratio	Lower	Upper
168	100		
99	53.7	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

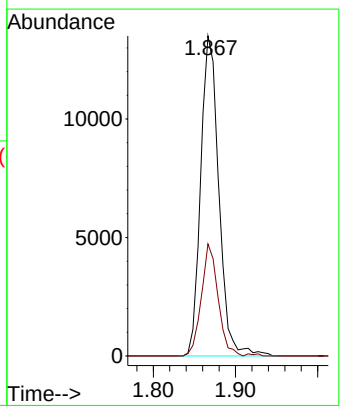
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

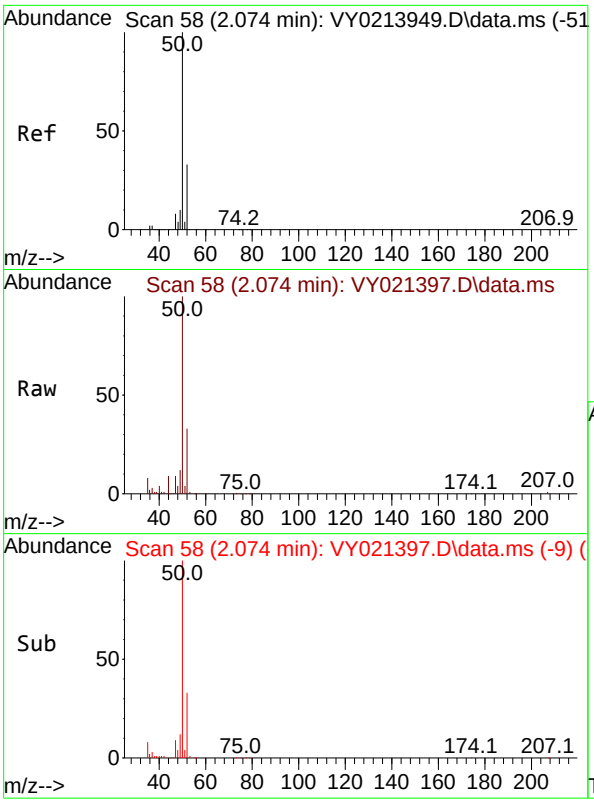


#2
Dichlorodifluoromethane
Concen: 10.737 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 85 Resp: 20733

Ion	Ratio	Lower	Upper
85	100		
87	35.0	15.7	47.0

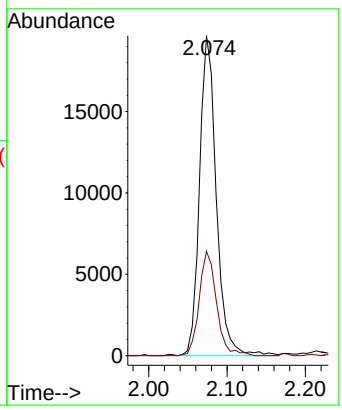




#3
Chloromethane
Concen: 10.736 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 50 Resp: 2922

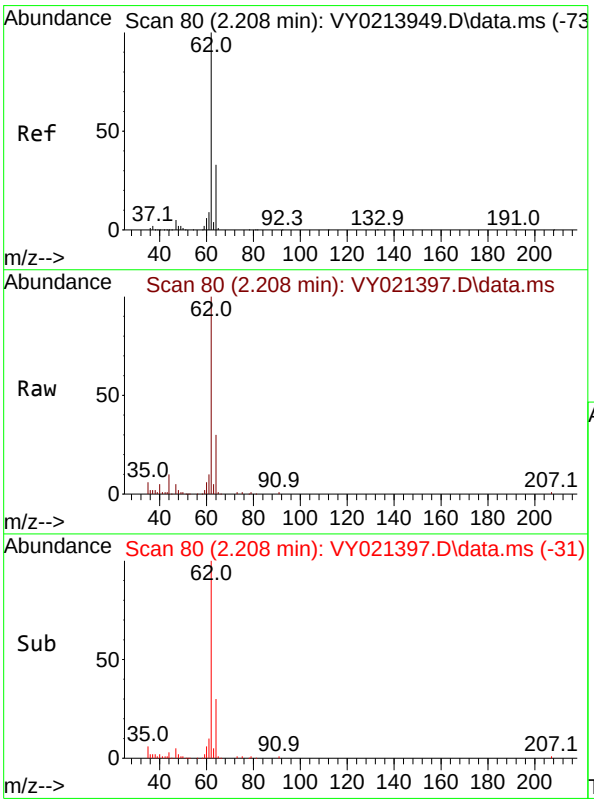
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

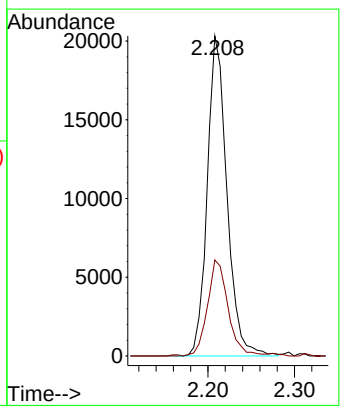
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

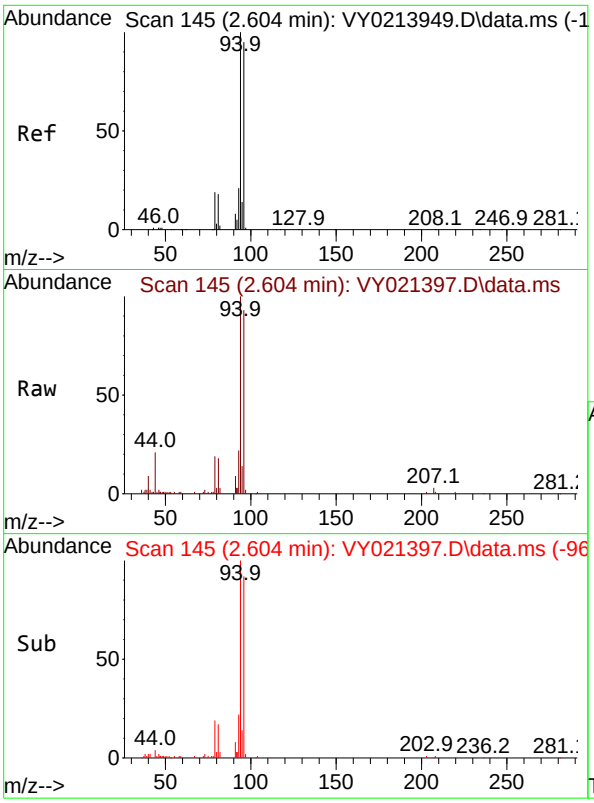


#4
Vinyl Chloride
Concen: 10.785 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 62 Resp: 32085

Ion	Ratio	Lower	Upper
62	100		
64	29.6	26.2	39.2

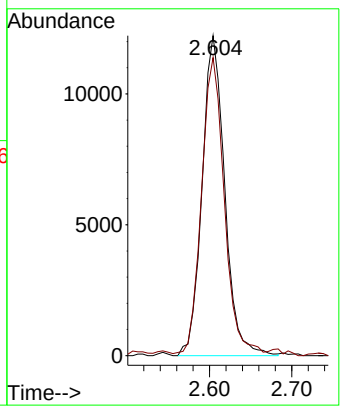




#5
Bromomethane
Concen: 10.870 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 94 Resp: 2337

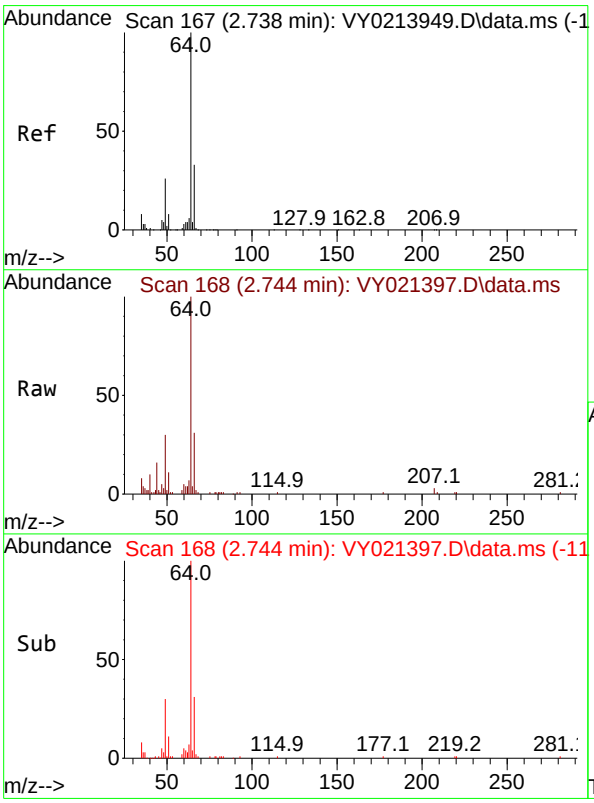
Ion	Ratio	Lower	Upper
94	100		
96	92.1	76.3	114.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

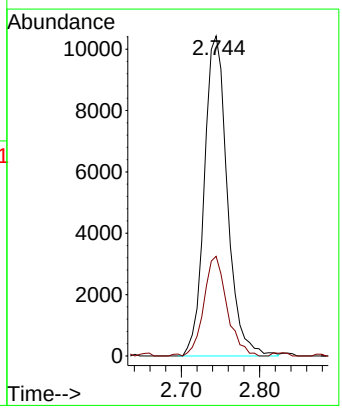
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

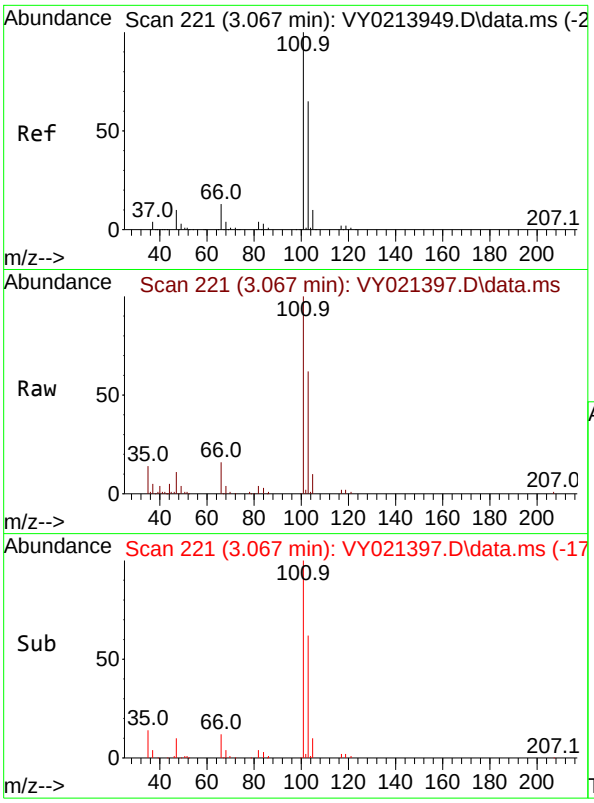


#6
Chloroethane
Concen: 10.808 ug/l
RT: 2.744 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 64 Resp: 21248

Ion	Ratio	Lower	Upper
64	100		
66	30.5	26.7	40.1





#7
Trichlorofluoromethane
Concen: 10.646 ug/l
RT: 3.067 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

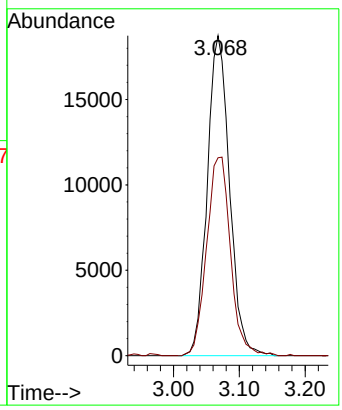
Tgt Ion:101 Resp: 4420

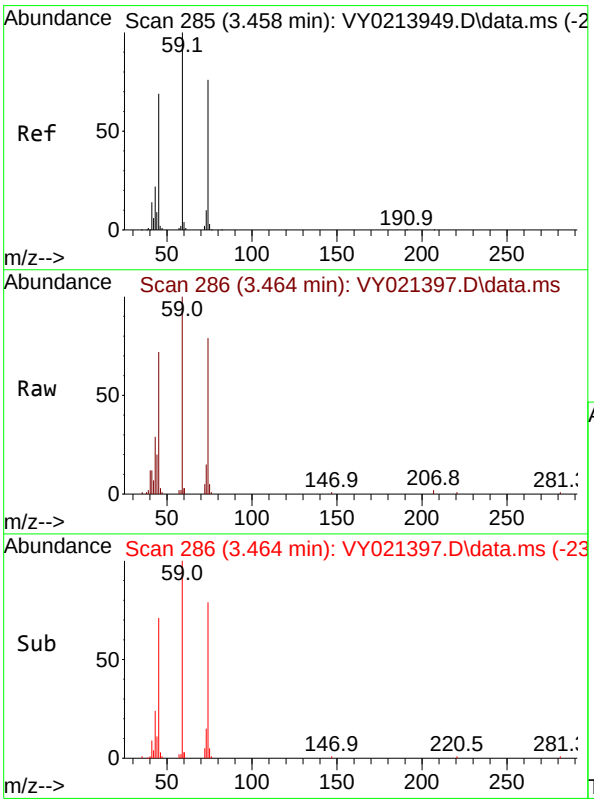
Ion	Ratio	Lower	Upper
101	100		
103	61.9	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

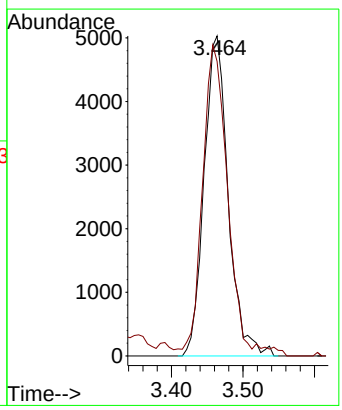


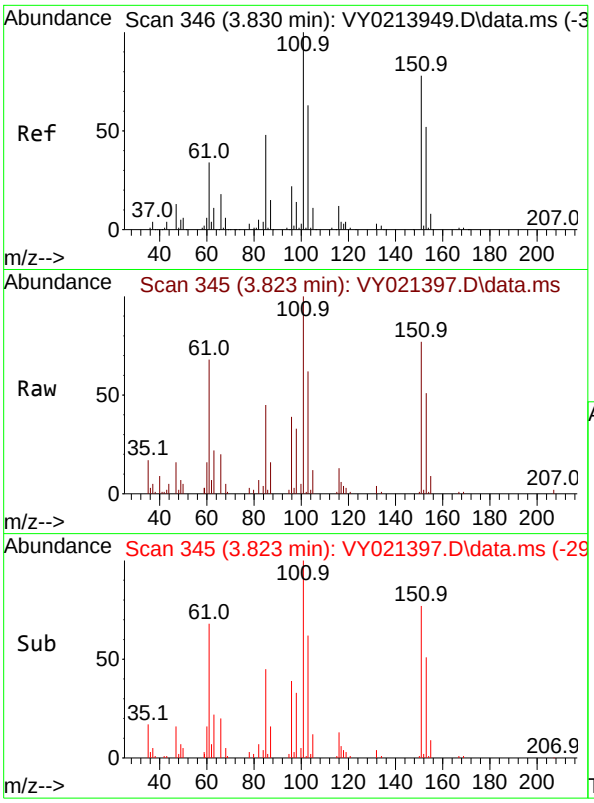


#8
Diethyl Ether
Concen: 10.256 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 74 Resp: 11802

Ion	Ratio	Lower	Upper
74	100		
45	95.1	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.654 ug/l
RT: 3.823 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

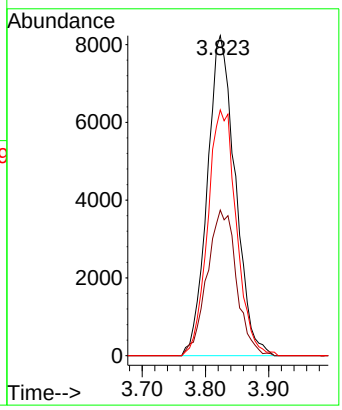
Tgt Ion:101 Resp: 2525

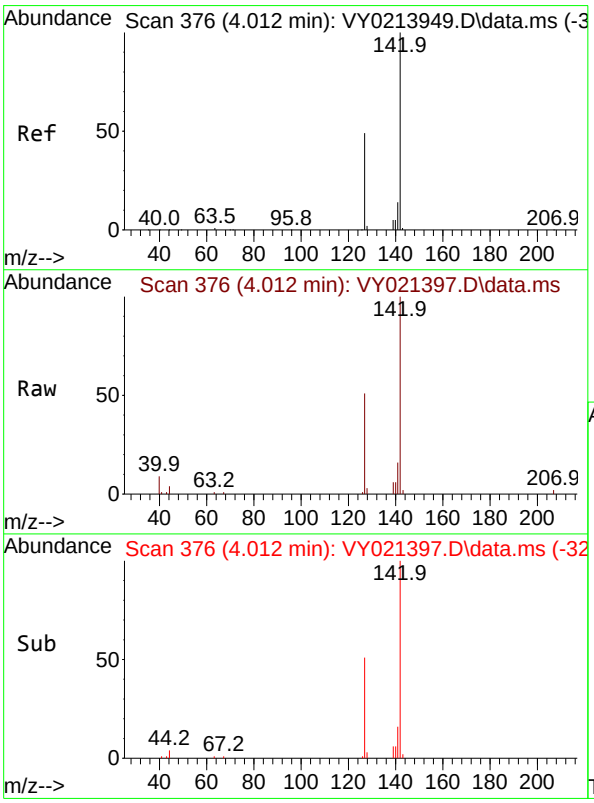
Ion	Ratio	Lower	Upper
101	100		
85	47.9	37.1	55.7
151	78.7	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

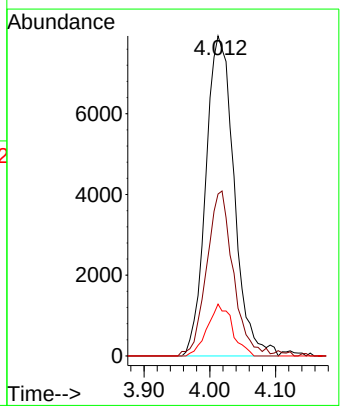


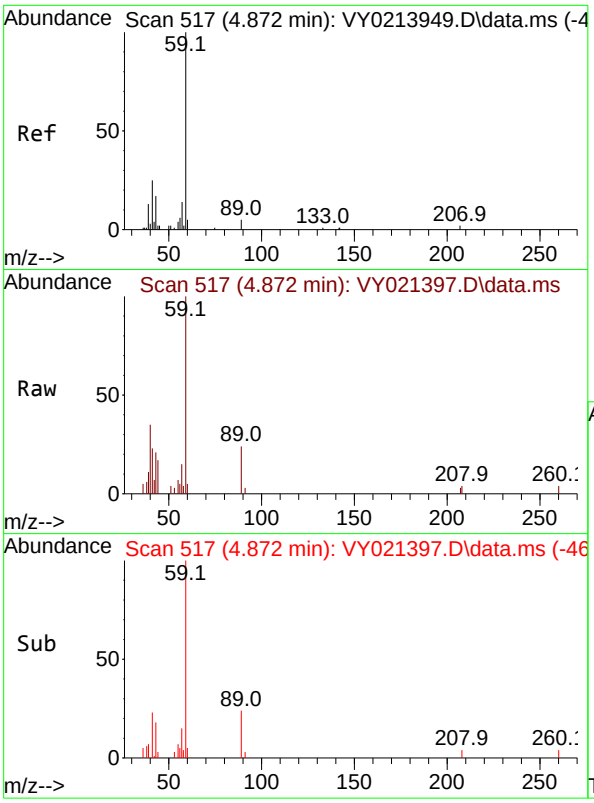


#10
Methyl Iodide
Concen: 9.809 ug/l
RT: 4.012 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:142 Resp: 23638

Ion	Ratio	Lower	Upper
142	100		
127	48.7	39.1	58.7
141	14.3	11.8	17.6

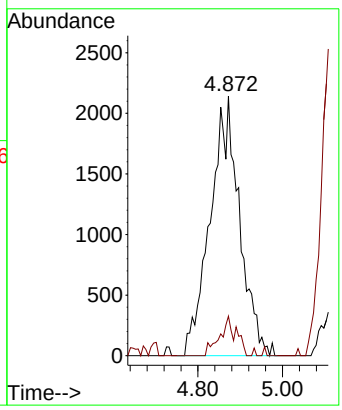




#11
Tert butyl alcohol
Concen: 53.545 ug/l m
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 59 Resp: 1029

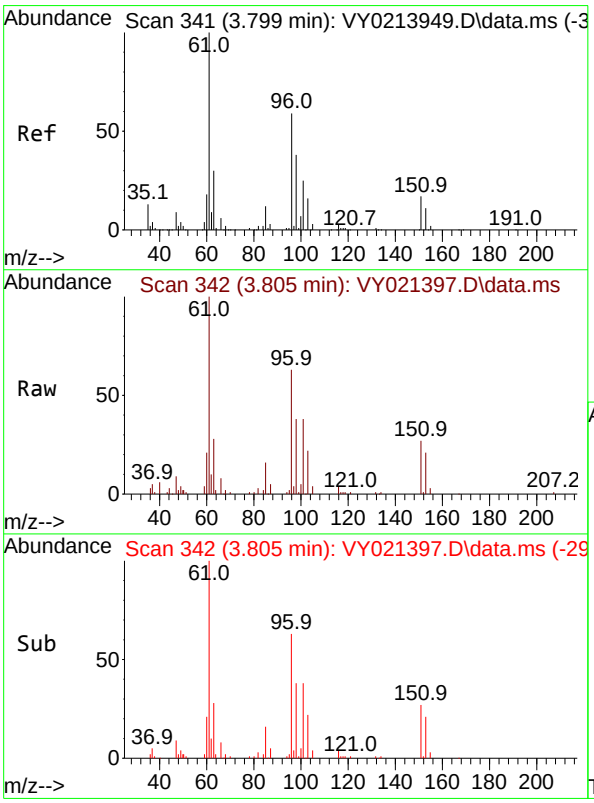
Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.2	12.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

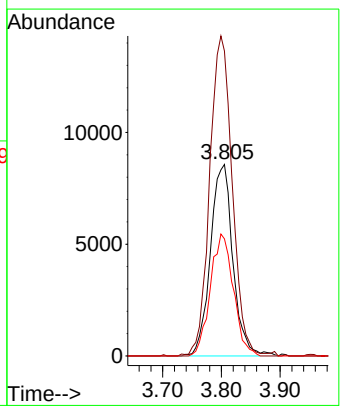
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

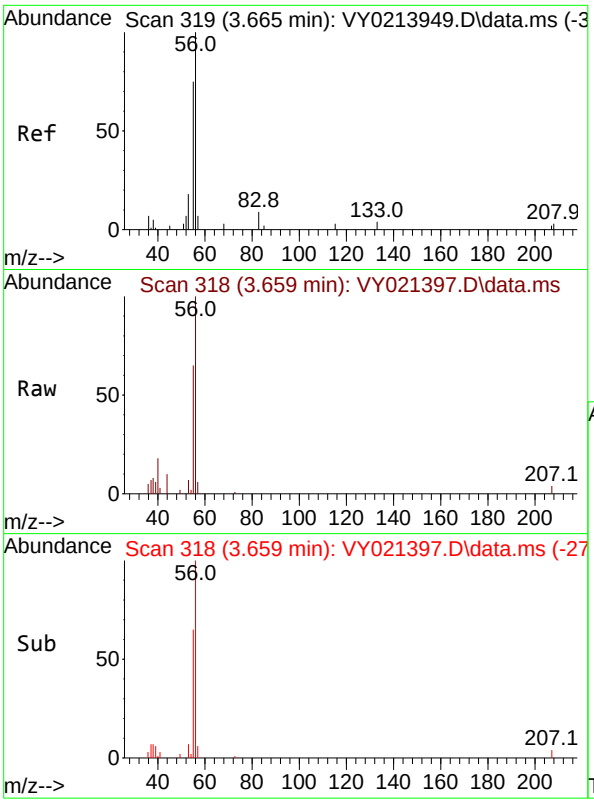


#12
1,1-Dichloroethene
Concen: 10.558 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 96 Resp: 22821

Ion	Ratio	Lower	Upper
96	100		
61	159.2	135.2	202.8
98	61.1	51.4	77.2





#13
Acrolein
Concen: 95.404 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

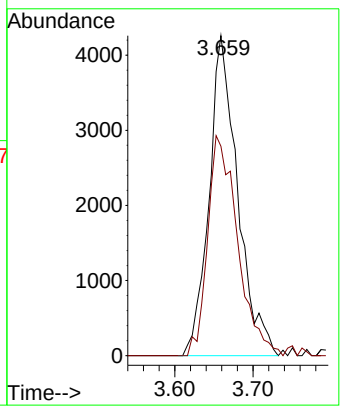
Tgt Ion: 56 Resp: 1079

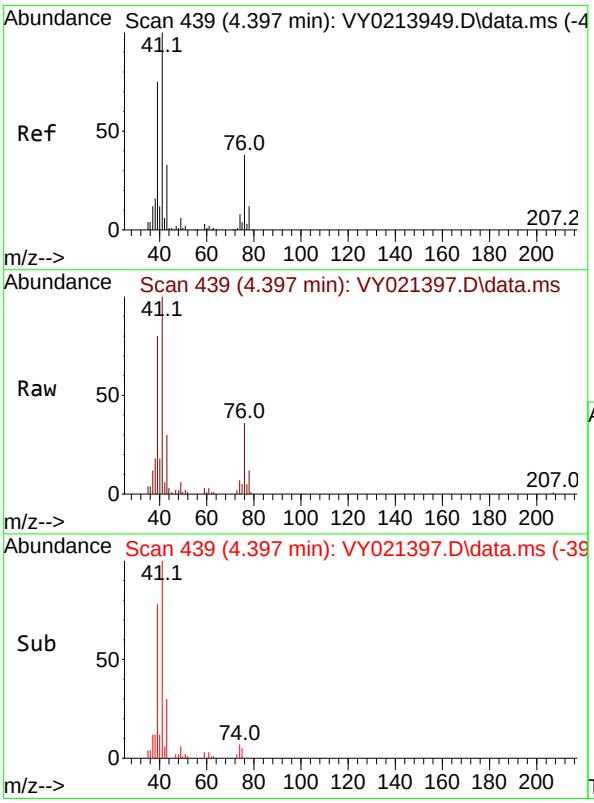
Ion	Ratio	Lower	Upper
56	100		
55	72.0	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

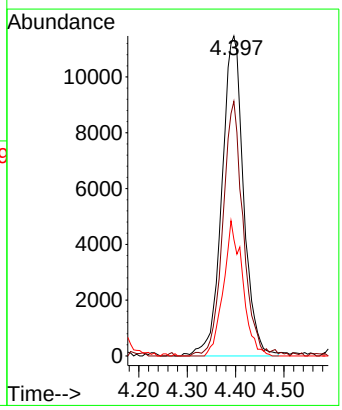


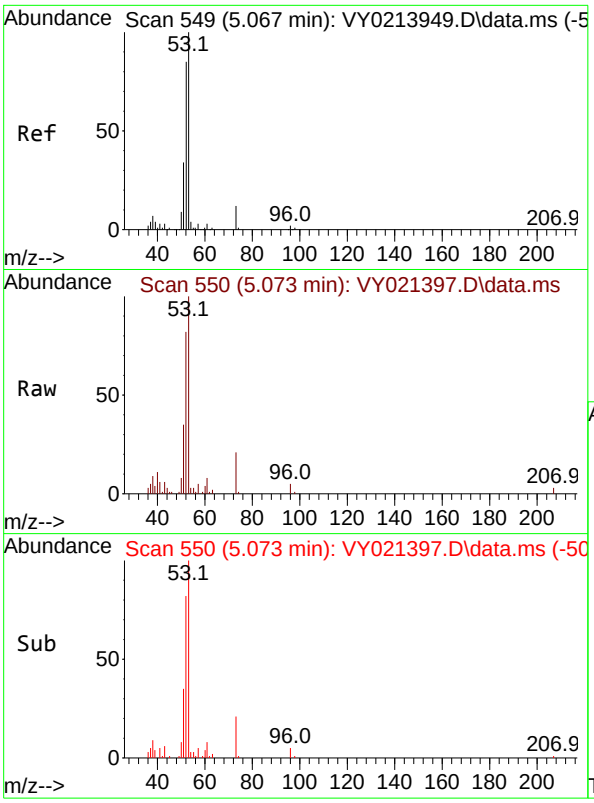


#14
Allyl chloride
Concen: 10.253 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 41 Resp: 35815

Ion	Ratio	Lower	Upper
41	100		
39	74.5	59.3	88.9
76	37.5	29.8	44.8

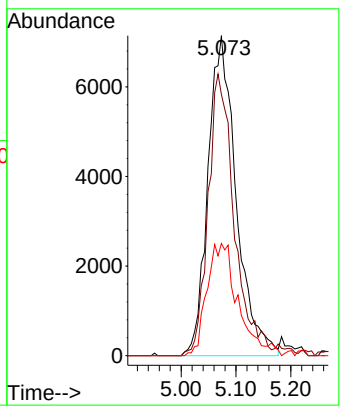




#15
Acrylonitrile
Concen: 52.174 ug/l
RT: 5.073 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 53 Resp: 2555

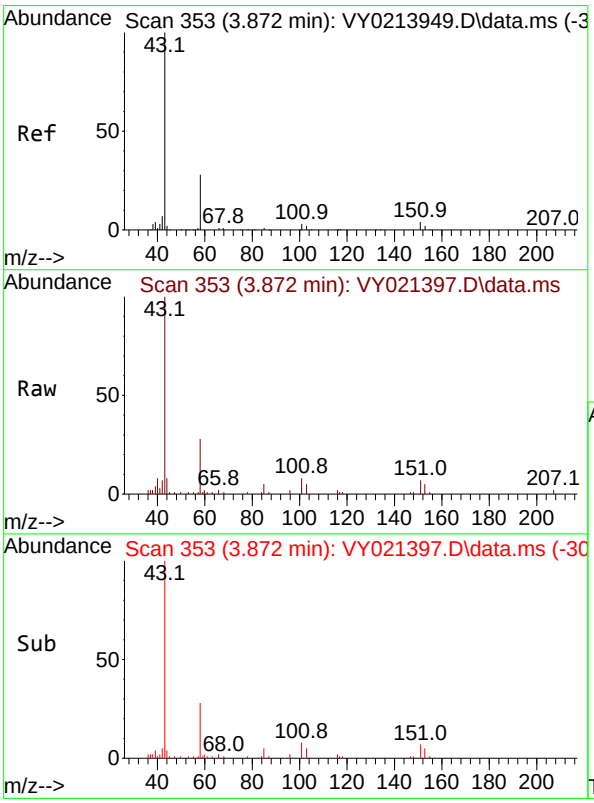
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.3	99.5
51	37.6	30.3	45.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

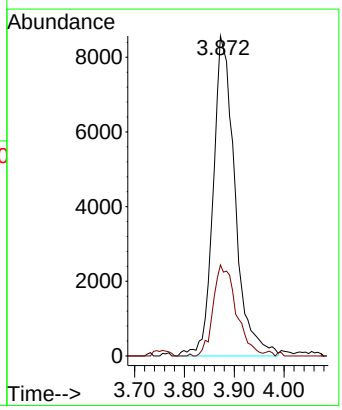
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

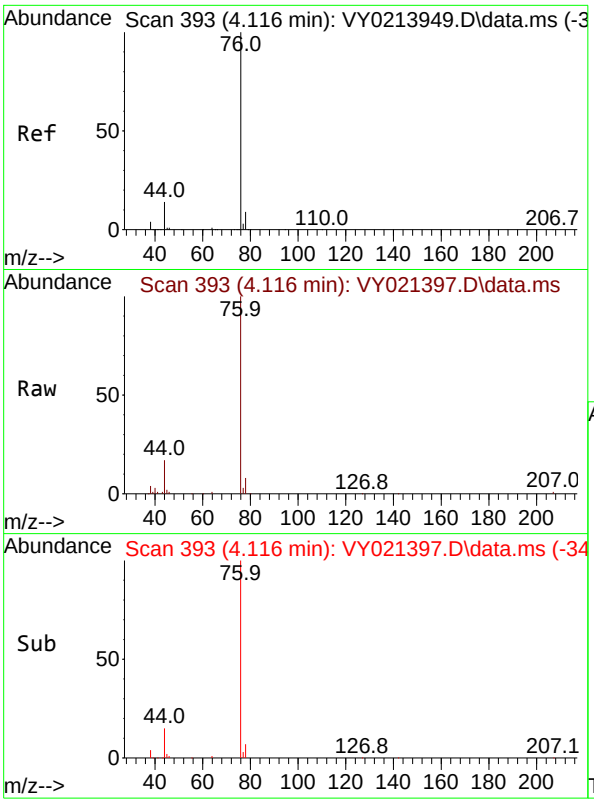


#16
Acetone
Concen: 53.644 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 43 Resp: 26021

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.1	33.1





#17
Carbon Disulfide
Concen: 10.593 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

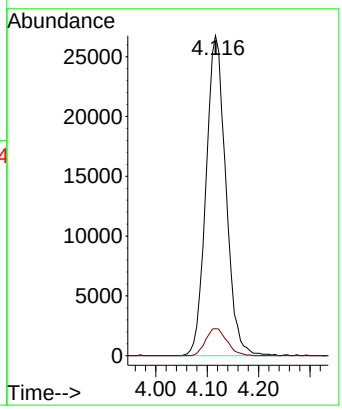
Tgt Ion: 76 Resp: 7175

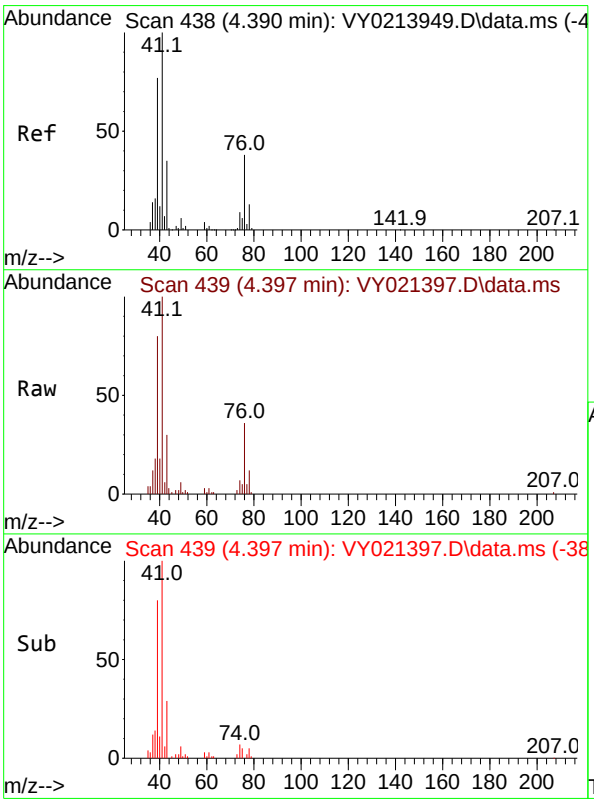
Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

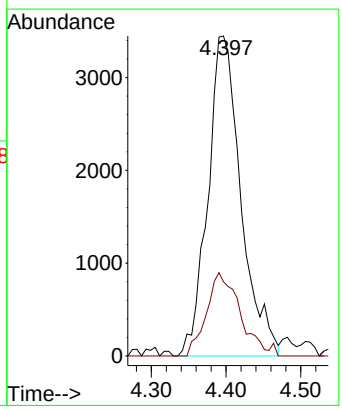


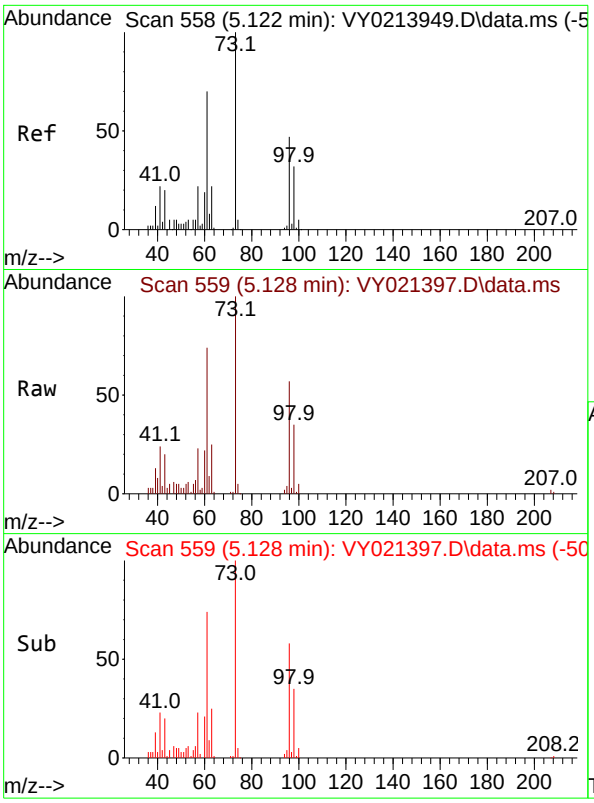


#18
Methyl Acetate
Concen: 9.886 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 43 Resp: 10640

Ion	Ratio	Lower	Upper
43	100		
74	26.6	19.4	29.0

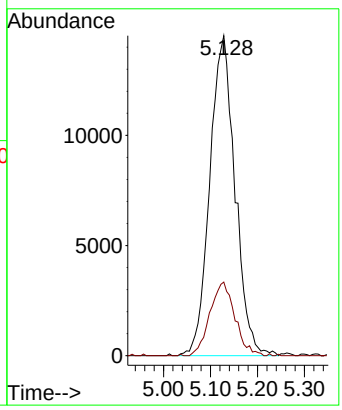




#19
Methyl tert-butyl Ether
Concen: 9.906 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 73 Resp: 5426

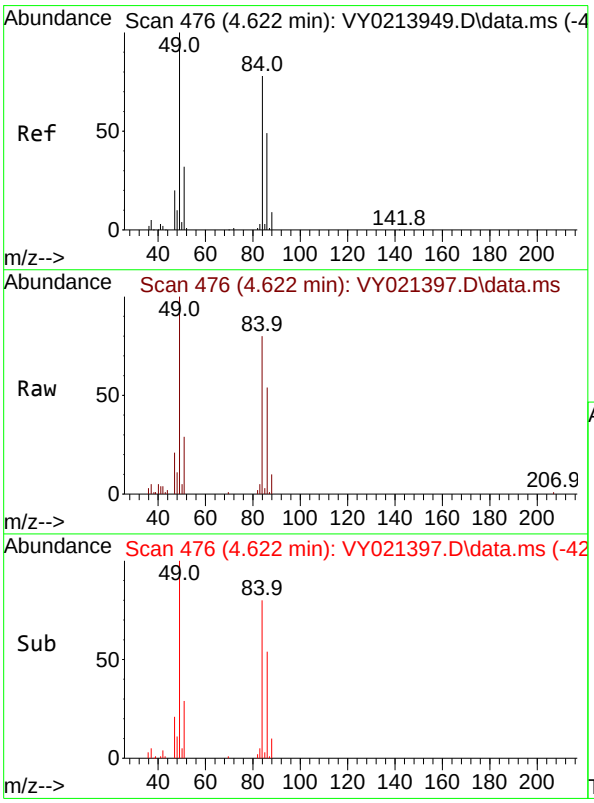
Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

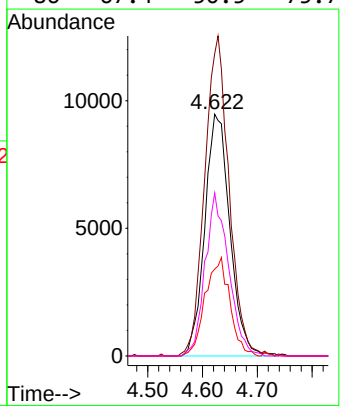
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

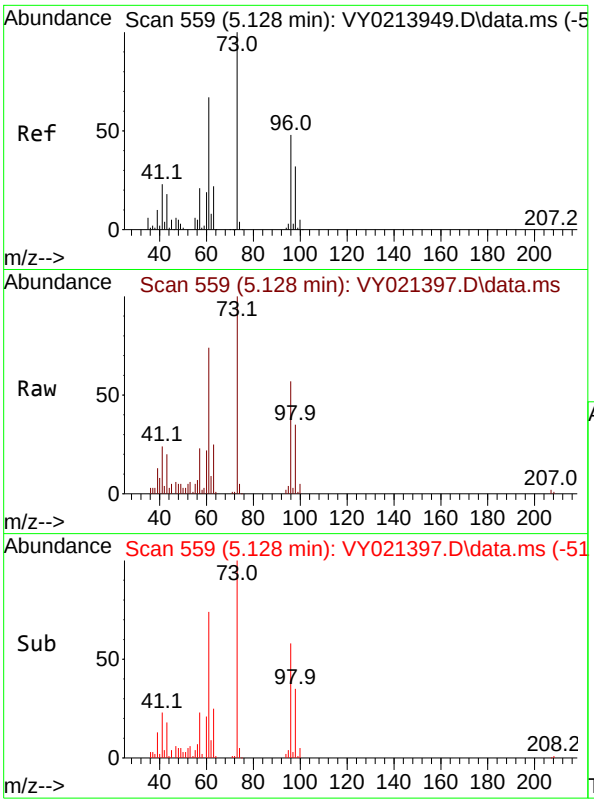


#20
Methylene Chloride
Concen: 11.849 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 84 Resp: 30170

Ion	Ratio	Lower	Upper
84	100		
49	124.9	102.0	153.0
51	35.9	33.0	49.6
86	67.4	50.5	75.7

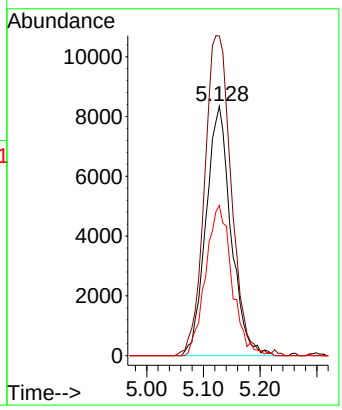




#21
trans-1,2-Dichloroethene
Concen: 10.572 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 96 Resp: 2559

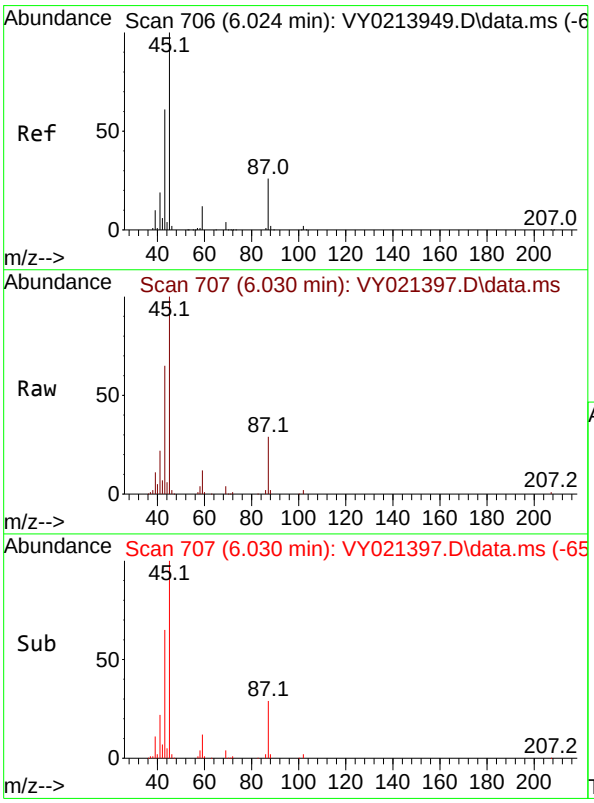
Ion	Ratio	Lower	Upper
96	100		
61	127.3	111.5	167.3
98	60.2	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

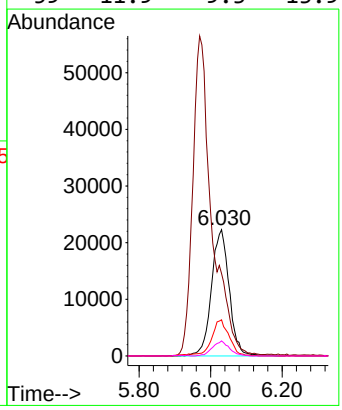
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

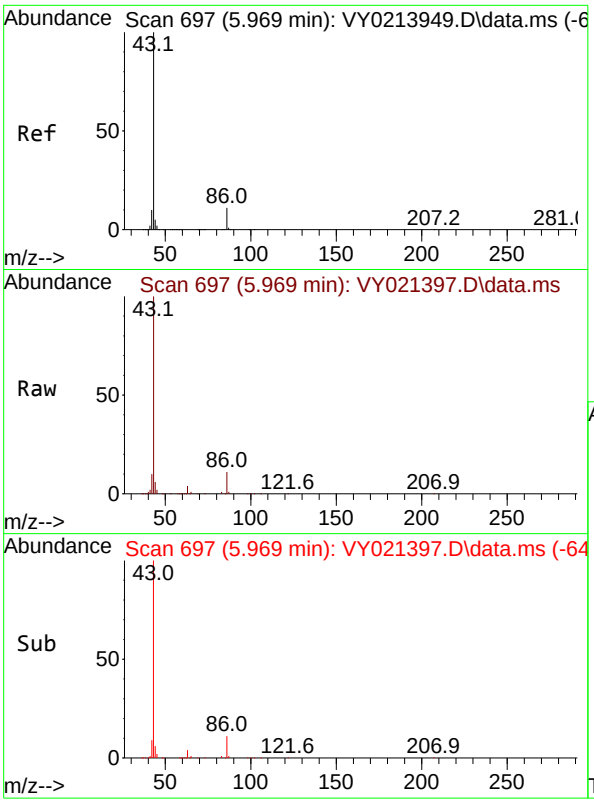


#22
Diisopropyl ether
Concen: 10.196 ug/l
RT: 6.030 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 45 Resp: 76752

Ion	Ratio	Lower	Upper
45	100		
43	64.4	48.7	73.1
87	28.6	21.5	32.3
59	11.9	9.3	13.9





#23
Vinyl Acetate
Concen: 48.795 ug/l
RT: 5.969 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

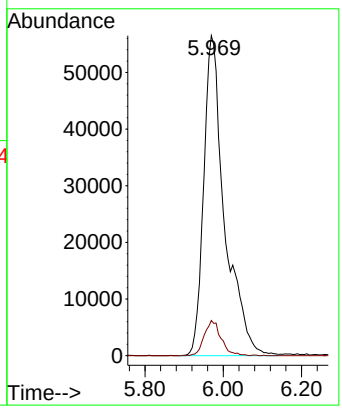
Tgt Ion: 43 Resp: 20962

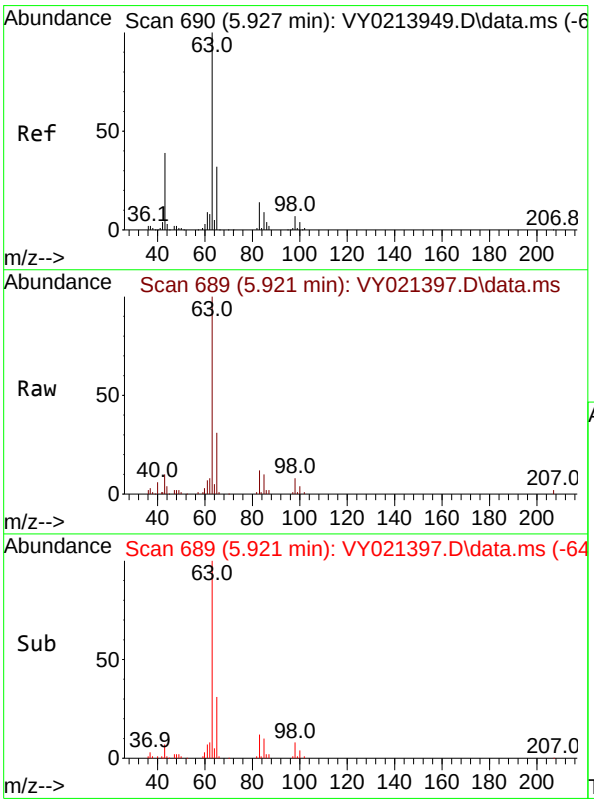
Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

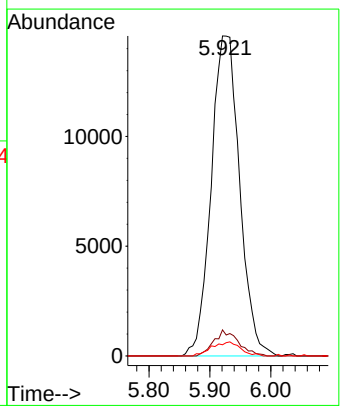


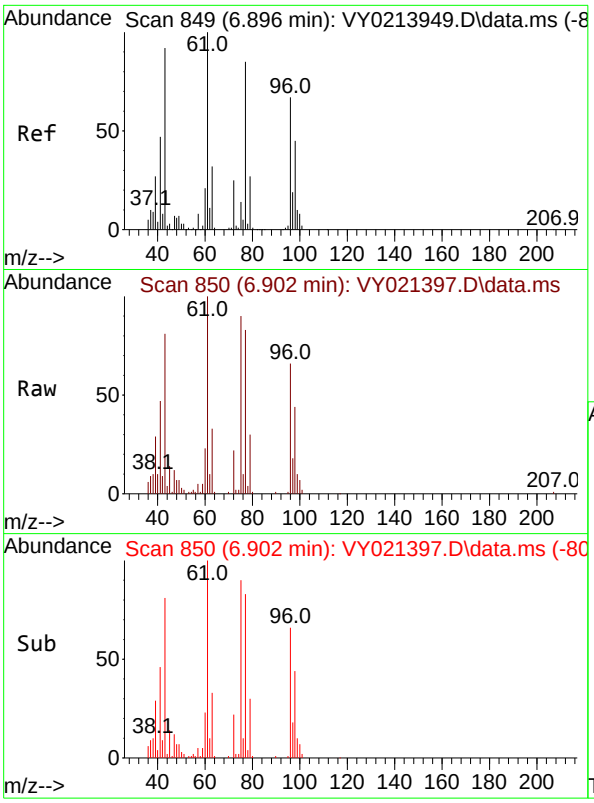


#24
1,1-Dichloroethane
Concen: 10.647 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 63 Resp: 47303

Ion	Ratio	Lower	Upper
63	100		
98	8.2	3.3	9.9
100	3.5	2.1	6.5





#25
2-Butanone
Concen: 50.121 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

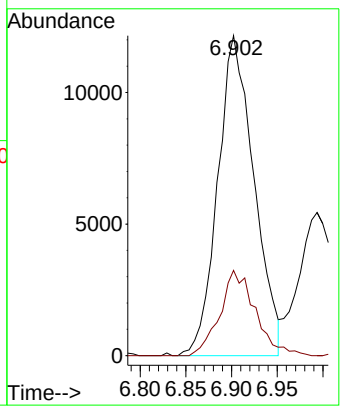
Tgt Ion: 43 Resp: 3363

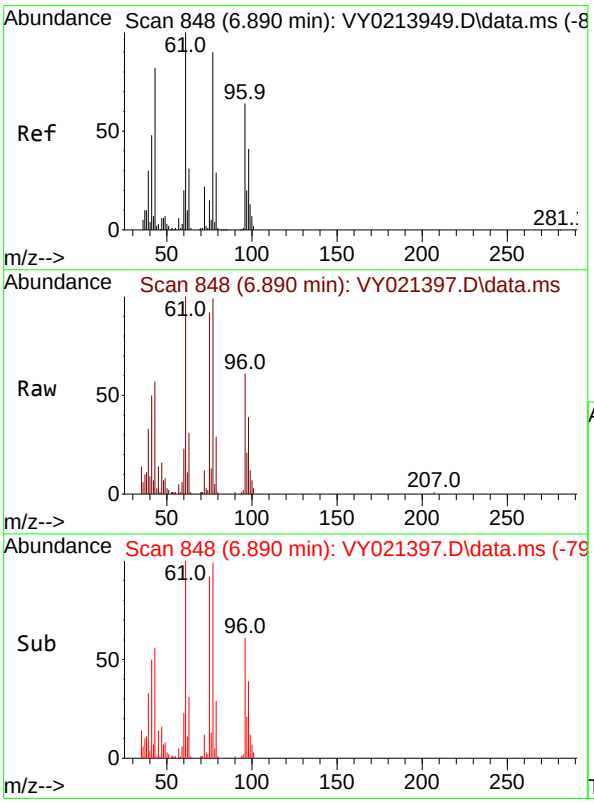
Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

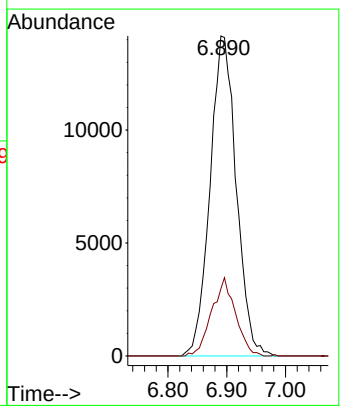


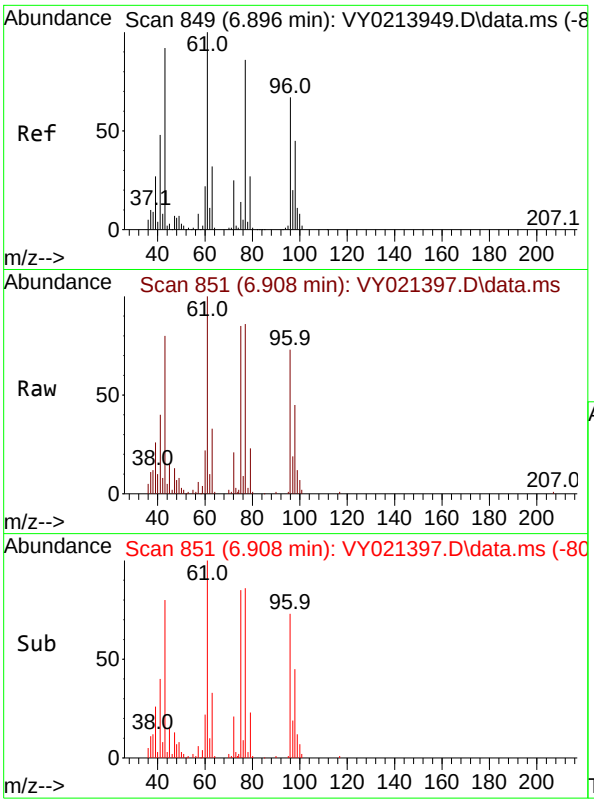


#26
2,2-Dichloropropane
Concen: 10.734 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 77 Resp: 43881

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 10.330 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

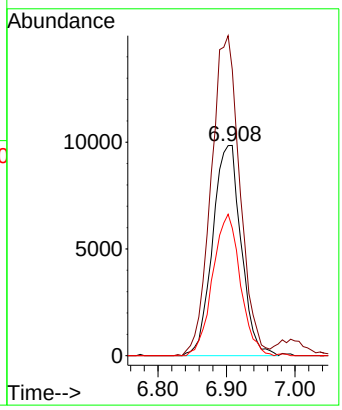
Tgt Ion: 96 Resp: 2840

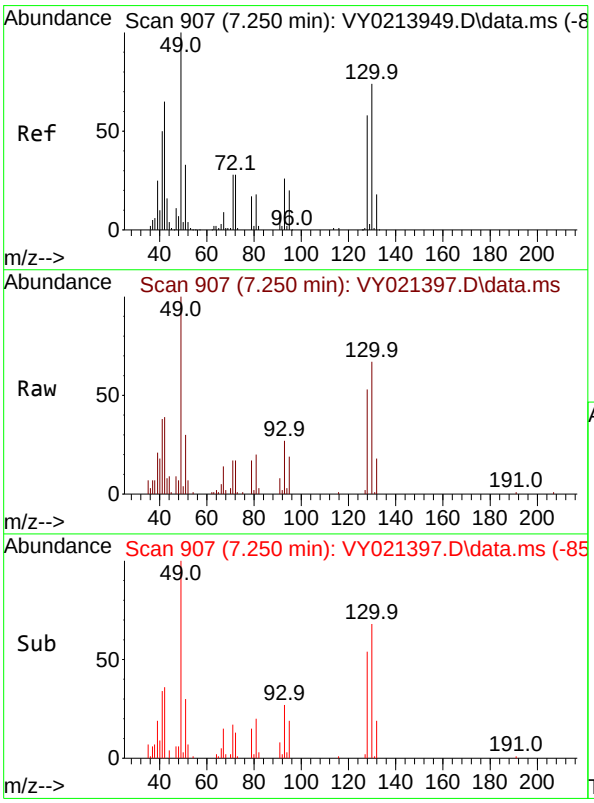
Ion	Ratio	Lower	Upper
96	100		
61	153.9	0.0	300.8
98	65.3	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

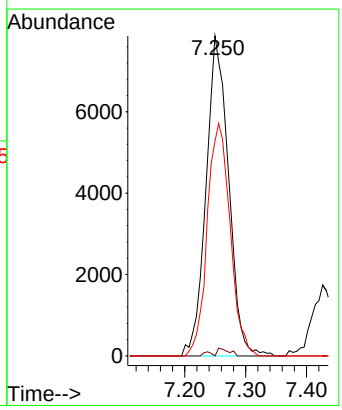


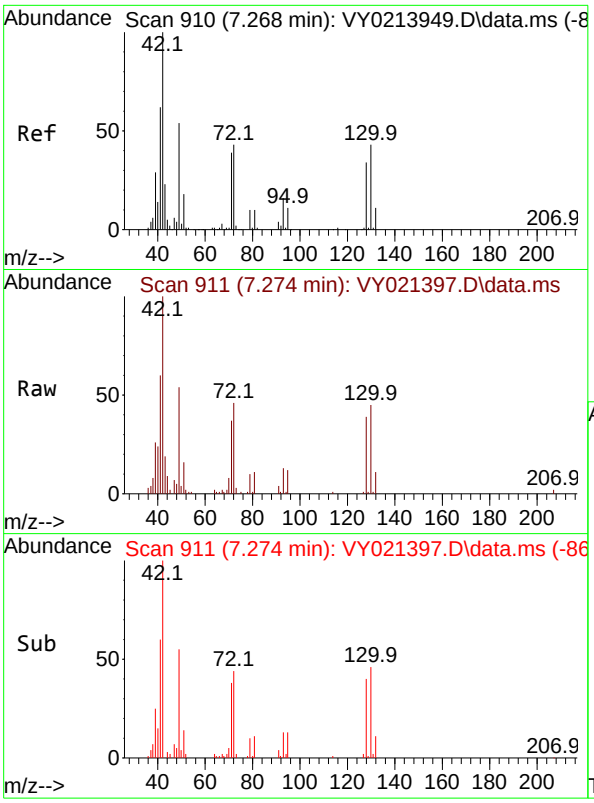


#28
Bromochloromethane
Concen: 10.861 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 49 Resp: 20230

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.2
130	73.8	59.6	89.4

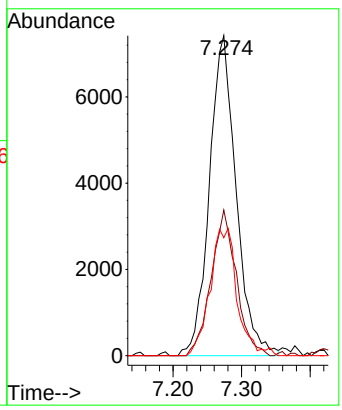




#29
Tetrahydrofuran
Concen: 48.513 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 42 Resp: 2009

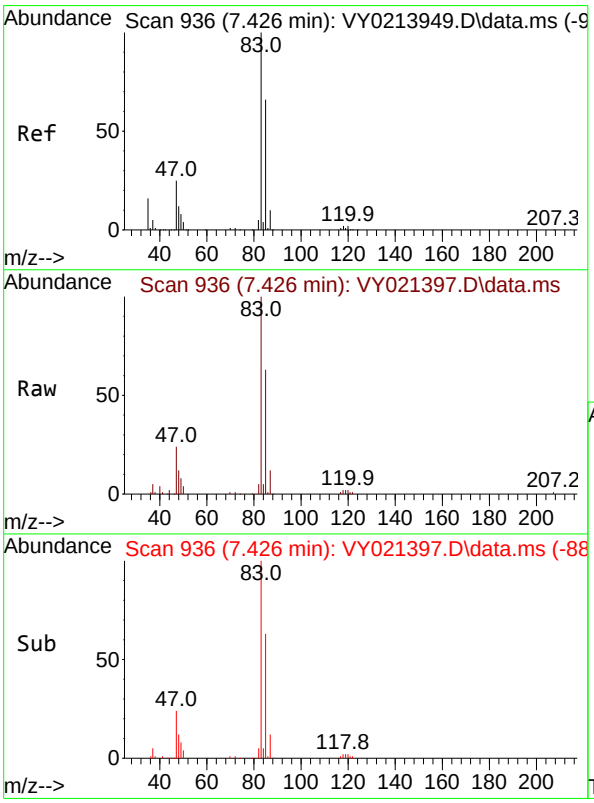
Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.8	52.2
71	40.4	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

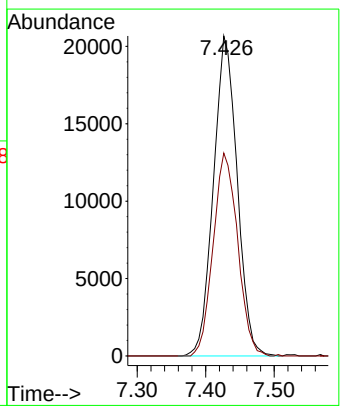
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

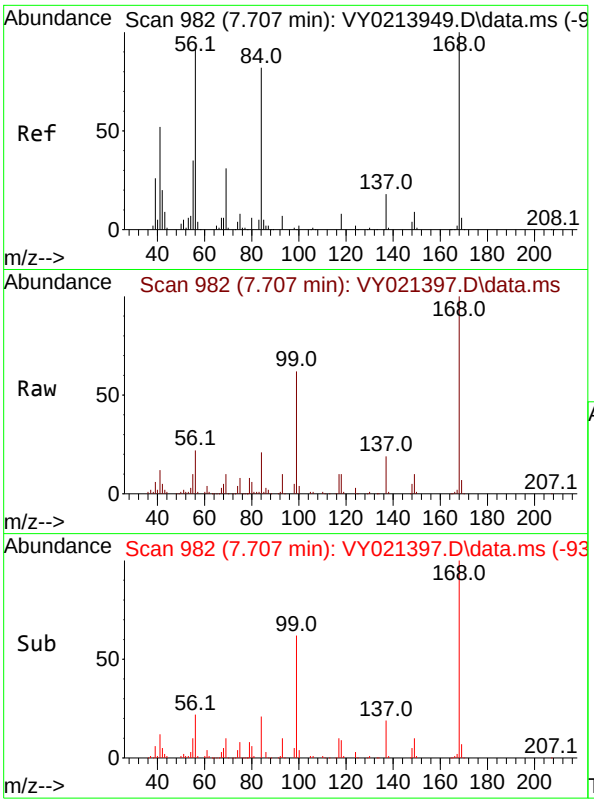


#30
Chloroform
Concen: 10.773 ug/l
RT: 7.426 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 83 Resp: 49699

Ion	Ratio	Lower	Upper
83	100		
85	63.4	53.1	79.7

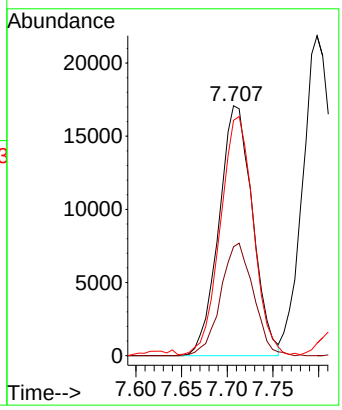




#31
Cyclohexane
Concen: 10.499 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 56 Resp: 4372

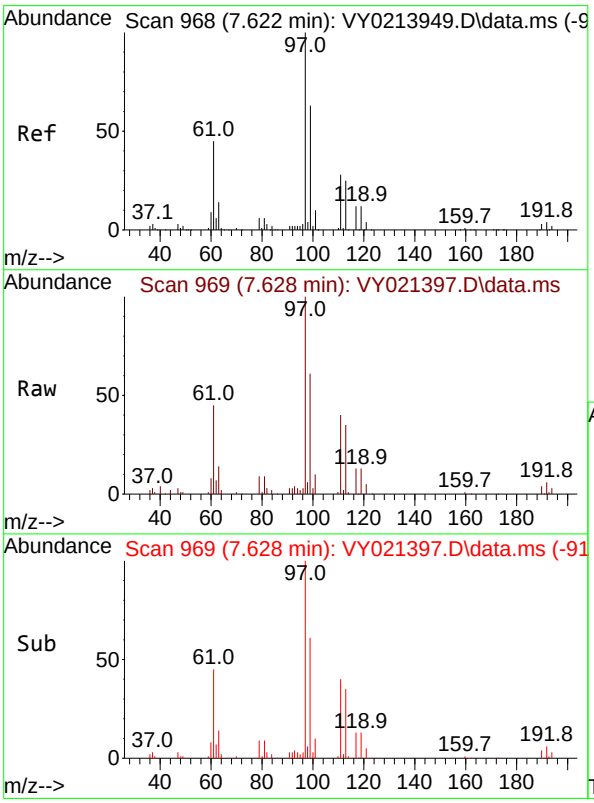
Ion	Ratio	Lower	Upper
56	100		
69	43.6	27.0	40.4
84	93.8	71.1	106.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

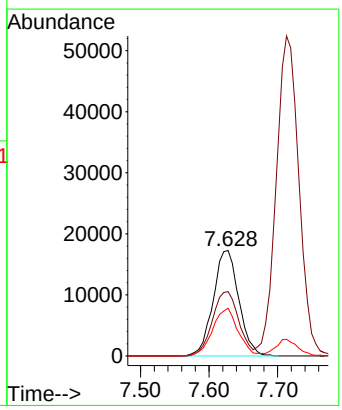
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

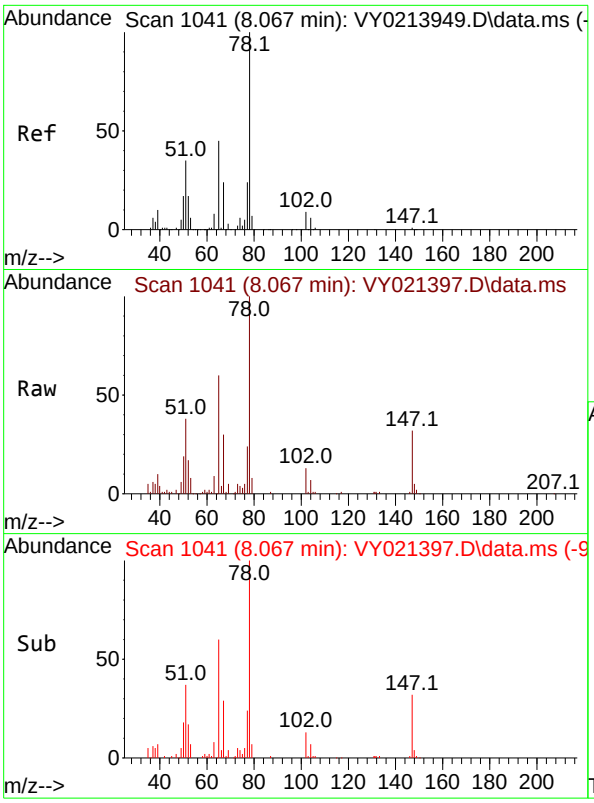


#32
1,1,1-Trichloroethane
Concen: 10.592 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 97 Resp: 44743

Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.7	77.5
61	45.2	35.7	53.5





#33
1,2-Dichloroethane-d4
Concen: 10.975 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

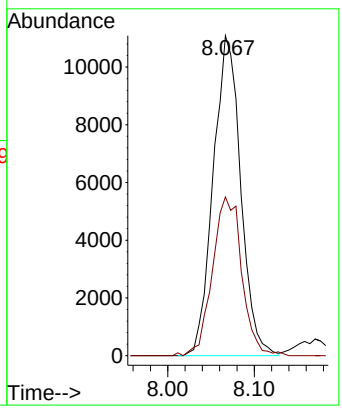
Tgt Ion: 65 Resp: 2440

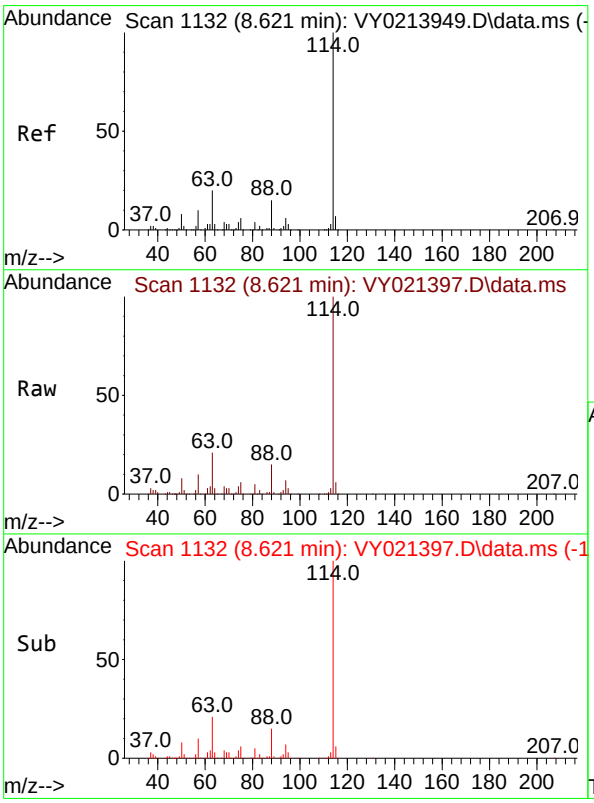
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

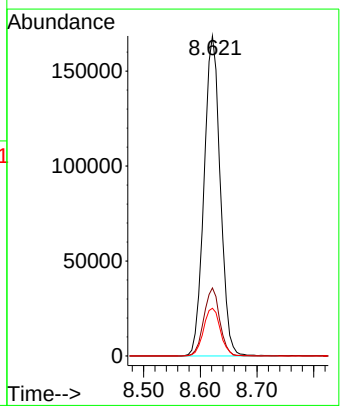


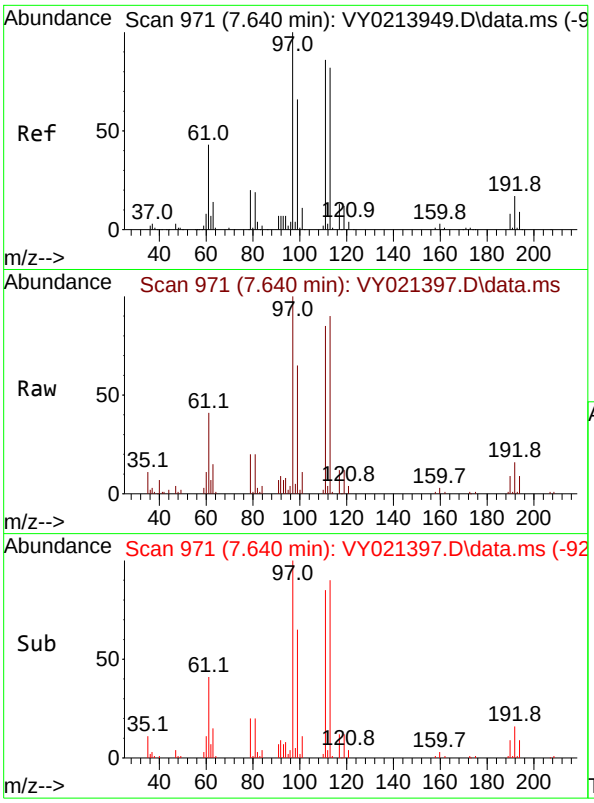


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:114 Resp: 334495

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.8
88	14.9	0.0	30.8

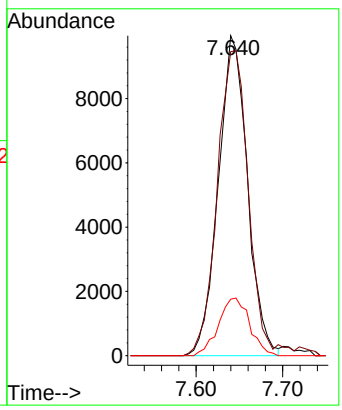




#35
Dibromofluoromethane
Concen: 10.592 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:113 Resp: 2328

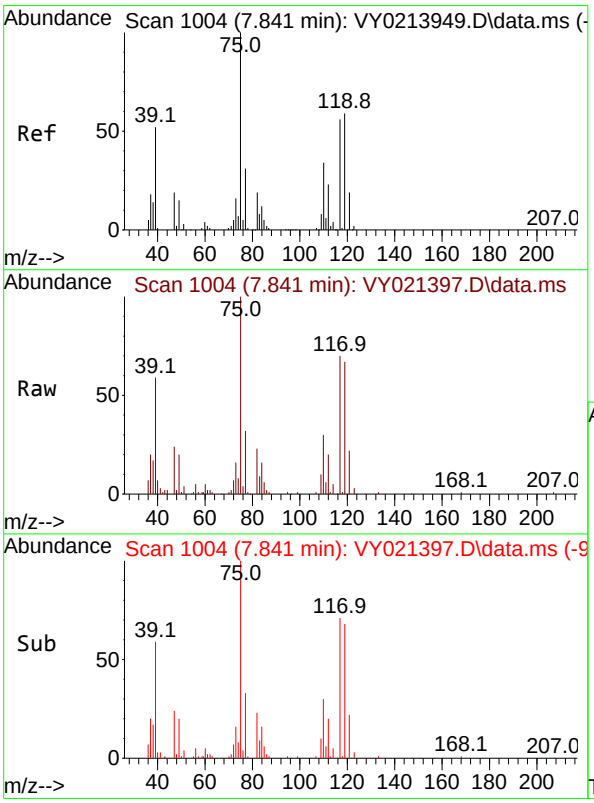
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.0	123.0
192	19.2	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

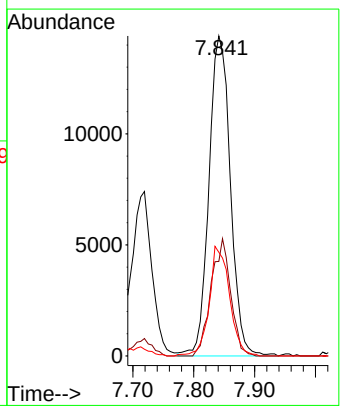
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

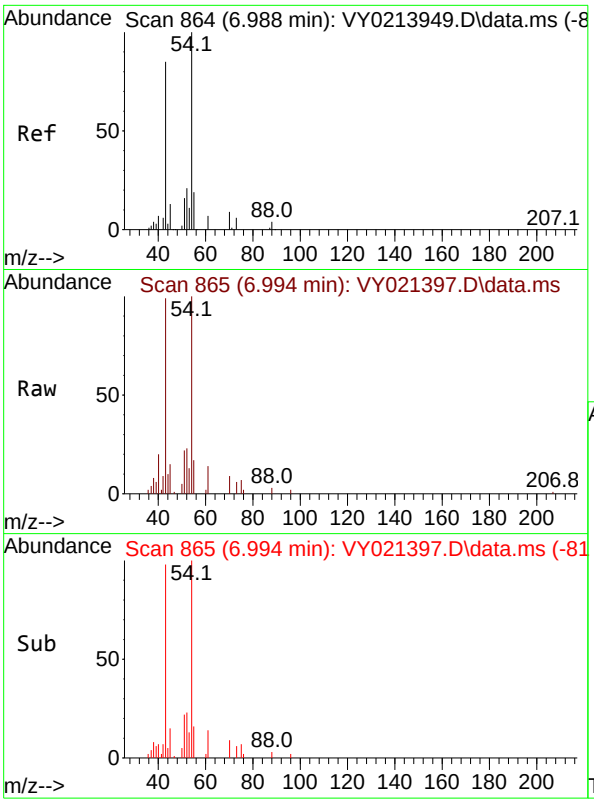


#36
1,1-Dichloropropene
Concen: 10.258 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 75 Resp: 35303

Ion	Ratio	Lower	Upper
75	100		
110	33.5	17.3	51.7
77	32.3	25.4	38.2

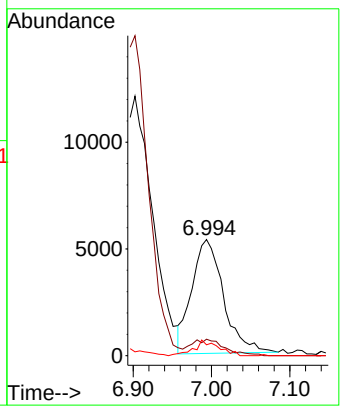




#37
Ethyl Acetate
Concen: 9.687 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 43 Resp: 1503

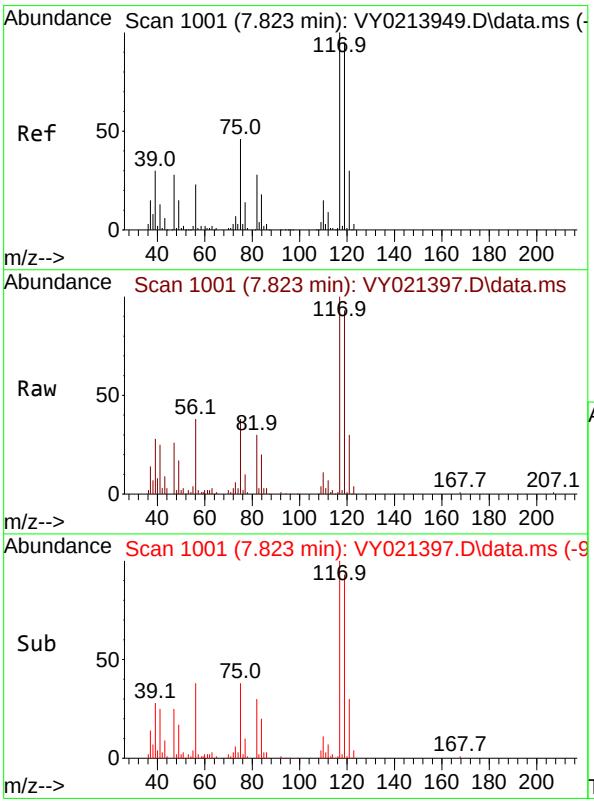
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.4	17.0
70	10.4	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

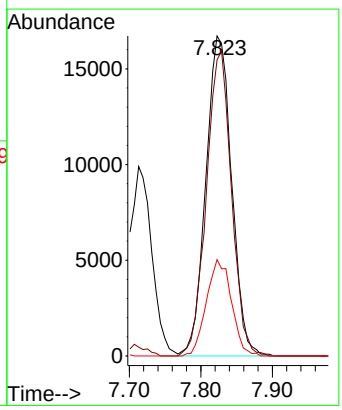
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

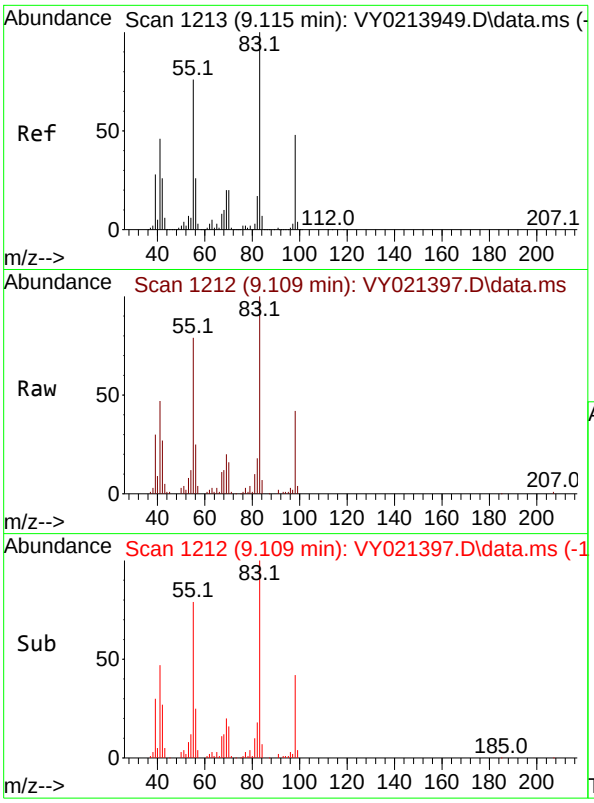


#38
Carbon Tetrachloride
Concen: 10.591 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:117 Resp: 41920

Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.8	113.8
121	30.1	23.9	35.9





#39
Methylcyclohexane
Concen: 9.434 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

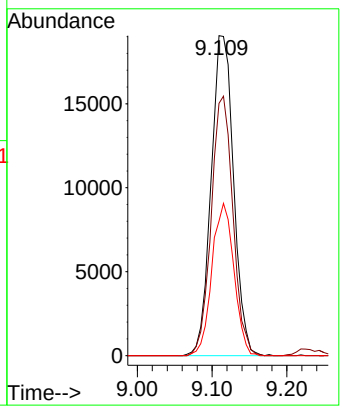
Tgt Ion: 83 Resp: 3982

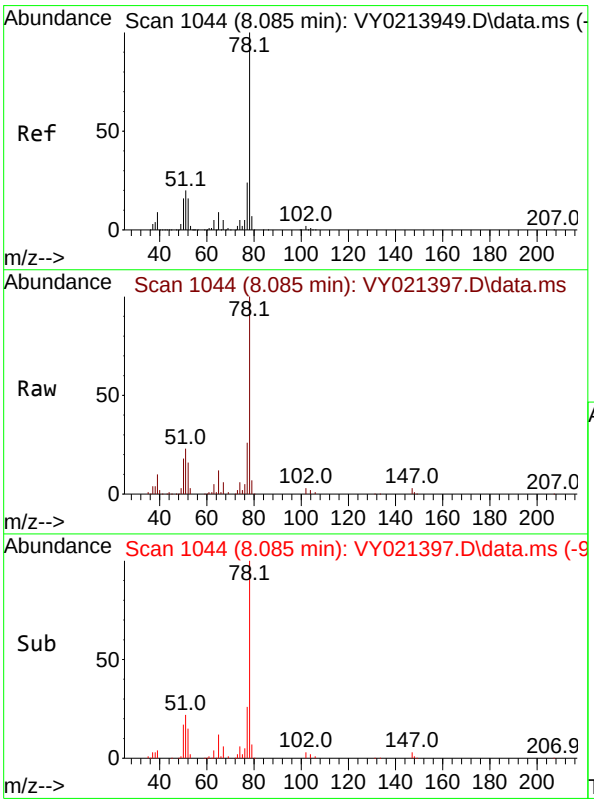
Ion	Ratio	Lower	Upper
83	100		
55	78.9	60.7	91.1
98	42.0	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

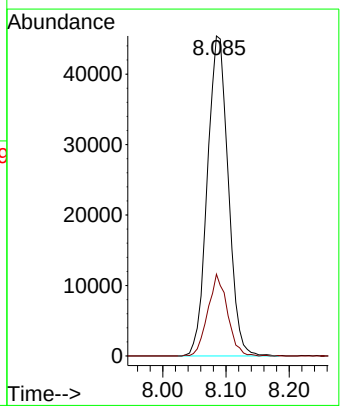


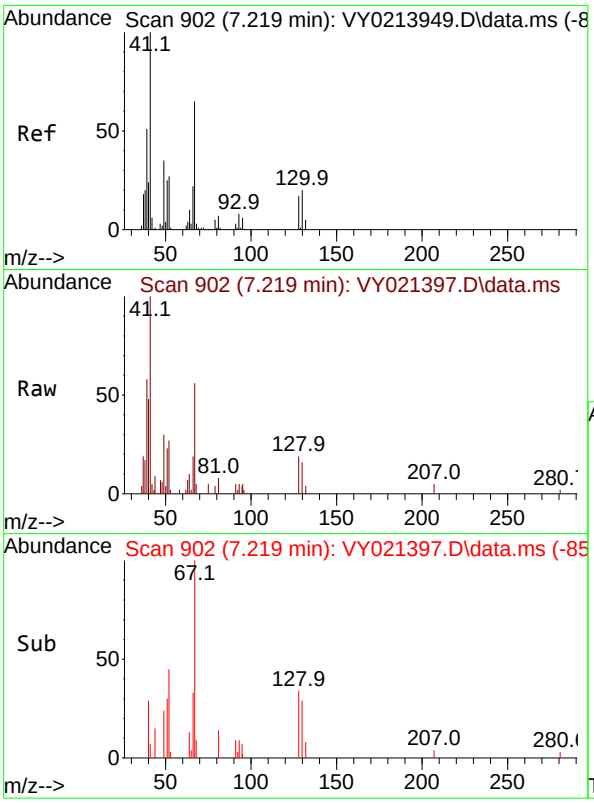


#40
Benzene
Concen: 10.253 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 78 Resp: 103944

Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.0	28.4

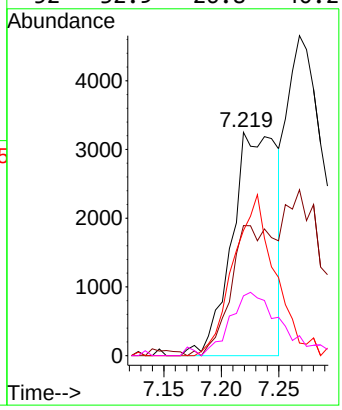




#41
Methacrylonitrile
Concen: 10.472 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 41 Resp: 885

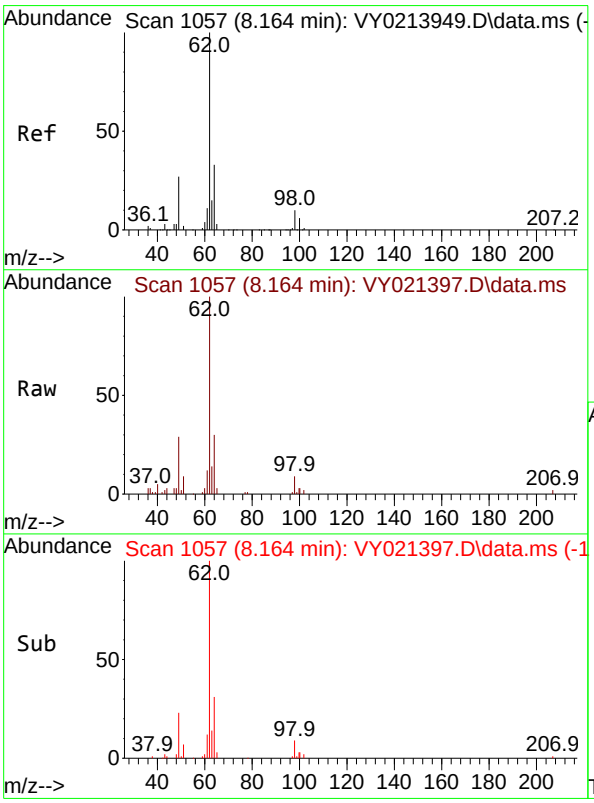
Ion	Ratio	Lower	Upper
41	100		
39	50.9	35.0	52.6
67	66.7	61.2	91.8
52	32.9	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

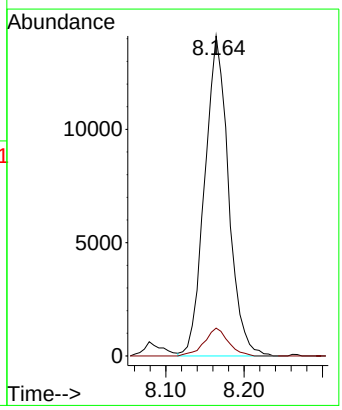
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

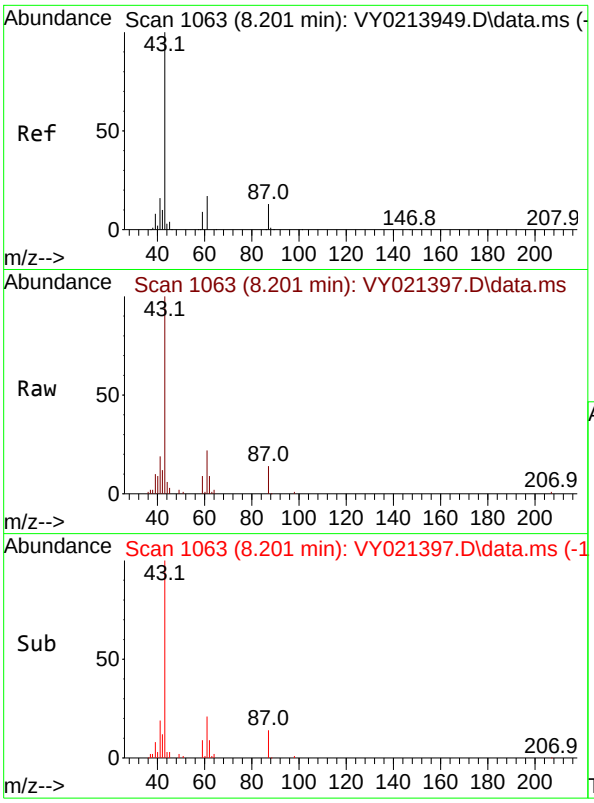


#42
1,2-Dichloroethane
Concen: 10.525 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 62 Resp: 29851

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2





#43
Isopropyl Acetate
Concen: 9.529 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

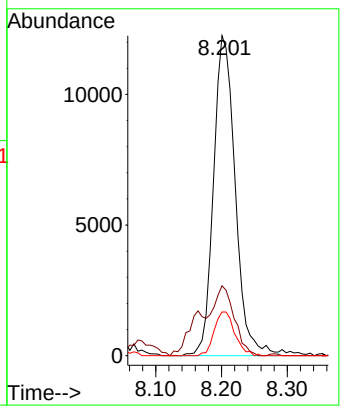
Tgt Ion: 43 Resp: 2813

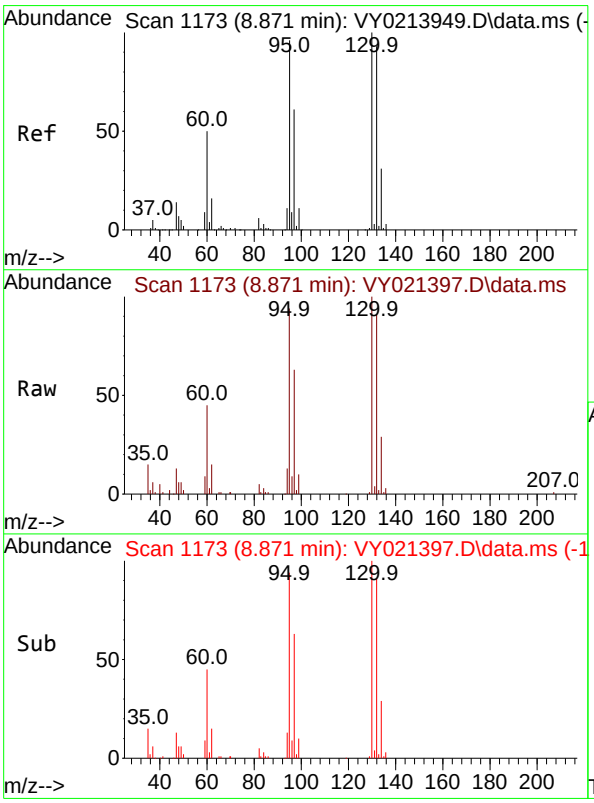
Ion	Ratio	Lower	Upper
43	100		
61	21.6	23.4	35.0
87	13.0	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

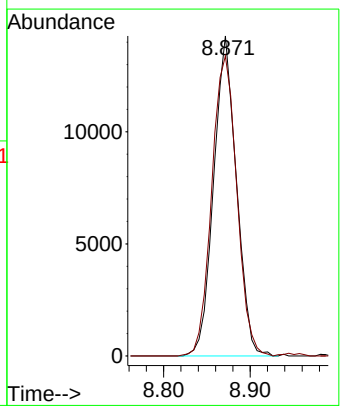


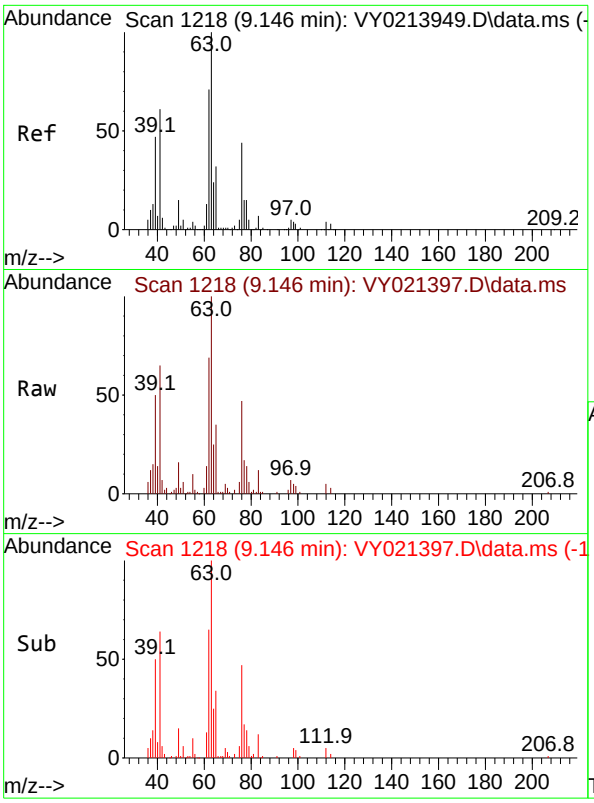


#44
Trichloroethene
Concen: 10.179 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:130 Resp: 26077

Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	191.6





#45
1,2-Dichloropropane
Concen: 10.294 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

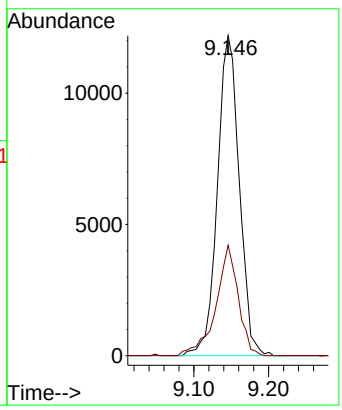
Tgt Ion: 63 Resp: 2483

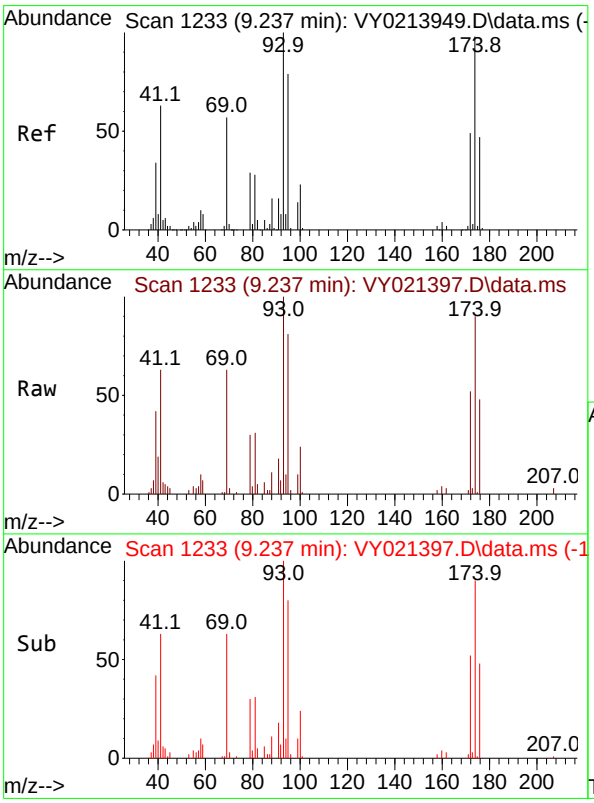
Ion	Ratio	Lower	Upper
63	100		
65	34.5	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

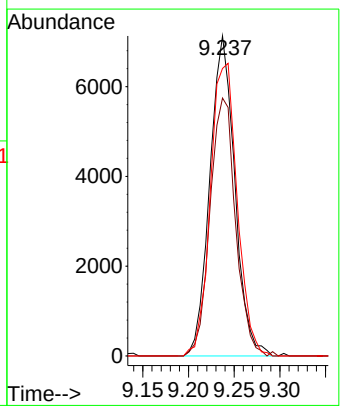


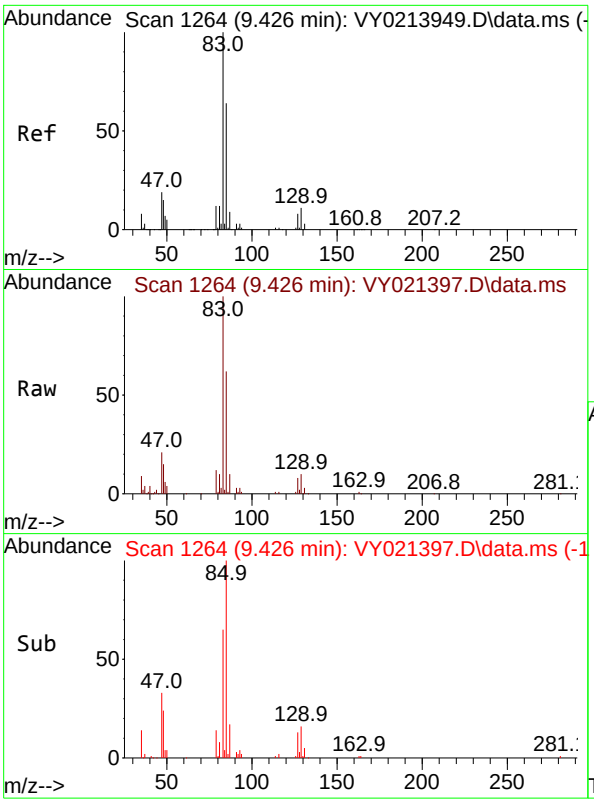


#46
Dibromomethane
Concen: 10.081 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 93 Resp: 13535

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	98.3	77.9	116.9

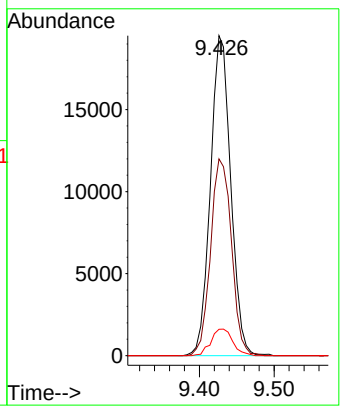




#47
Bromodichloromethane
Concen: 10.315 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 83 Resp: 3677

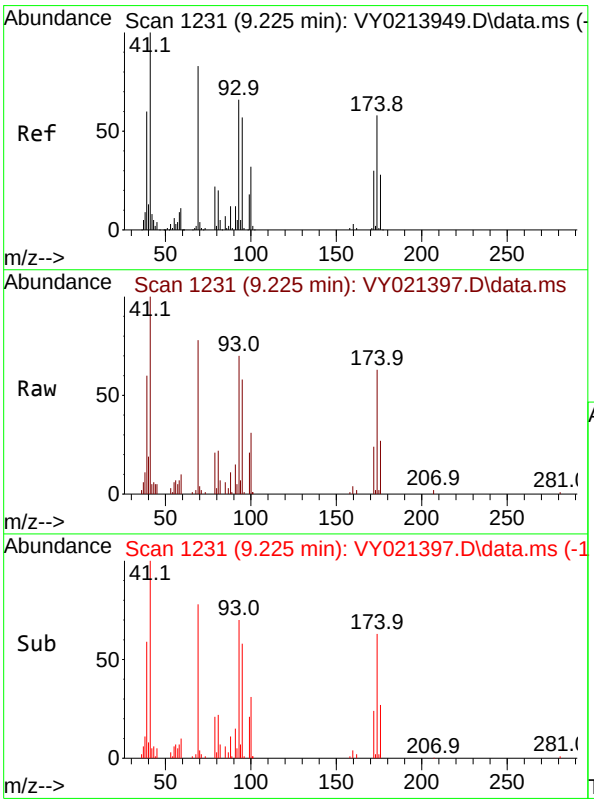
Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.1	76.7
127	8.3	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

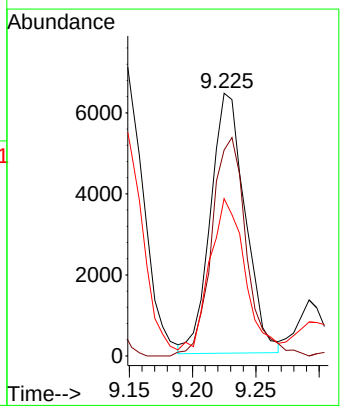
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

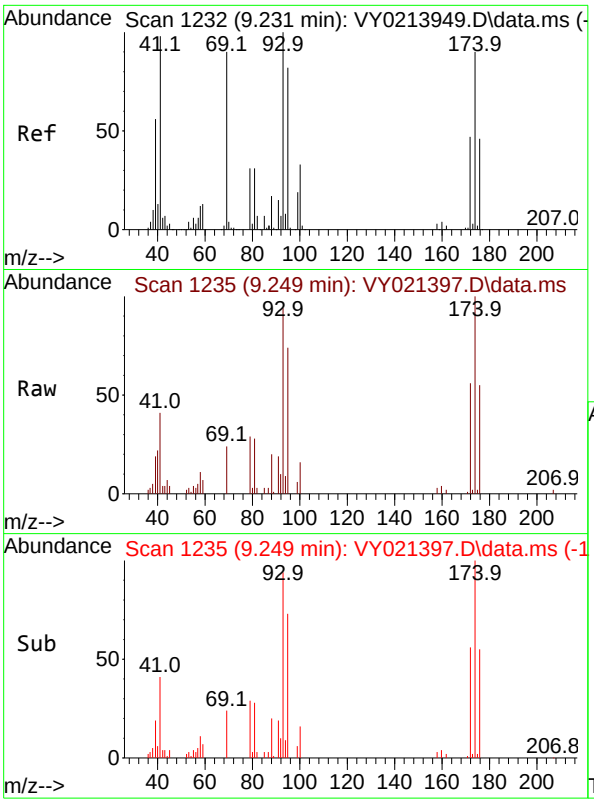


#48
Methyl methacrylate
Concen: 8.937 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 41 Resp: 12236

Ion	Ratio	Lower	Upper
41	100		
69	84.4	67.8	101.8
39	58.8	46.4	69.6

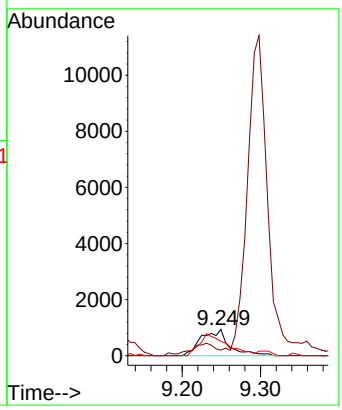




#49
1,4-Dioxane
Concen: 177.344 ug/l
RT: 9.249 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 88 Resp: 233

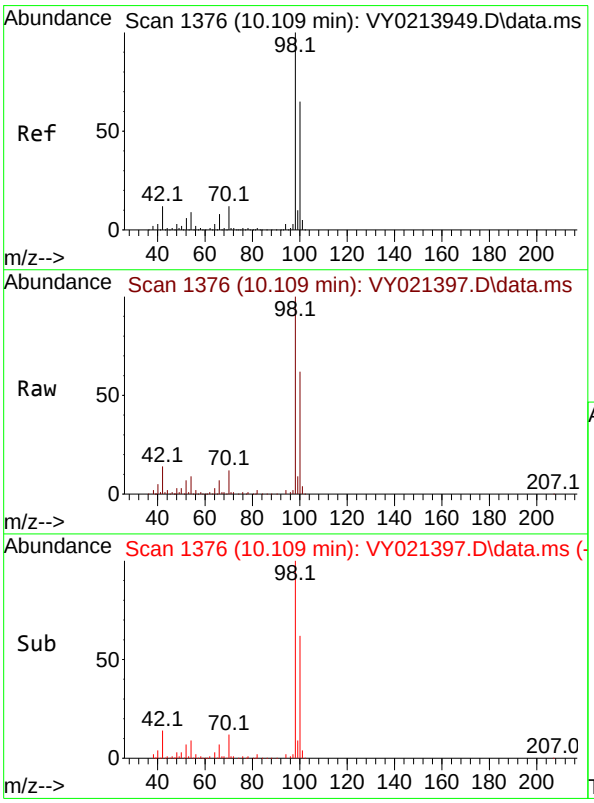
Ion	Ratio	Lower	Upper
88	100		
43	42.8	25.0	37.4
58	81.1	58.4	87.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

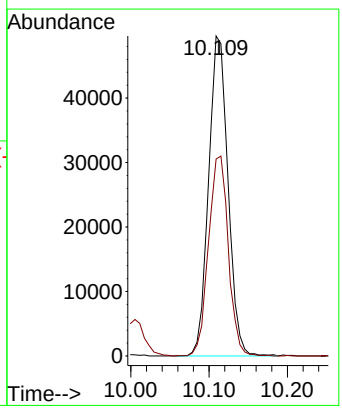
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

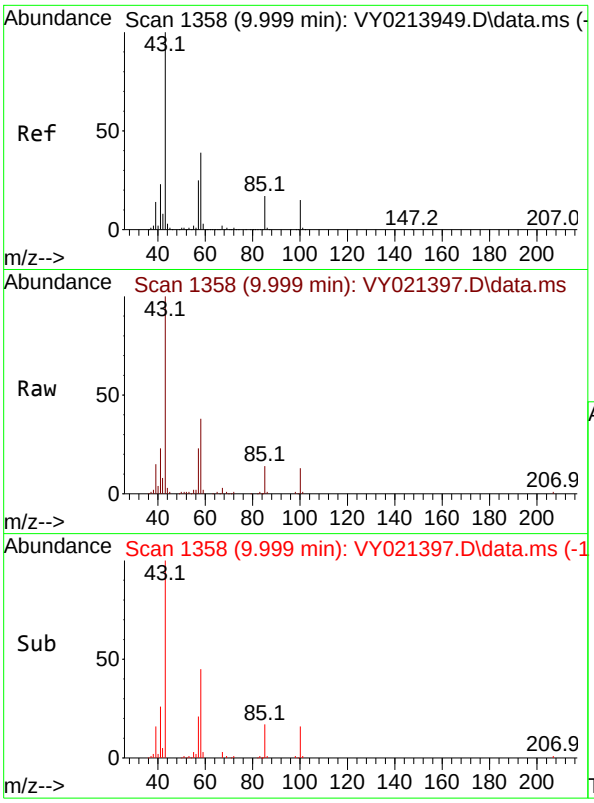


#50
Toluene-d8
Concen: 10.256 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 98 Resp: 85383

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 46.097 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

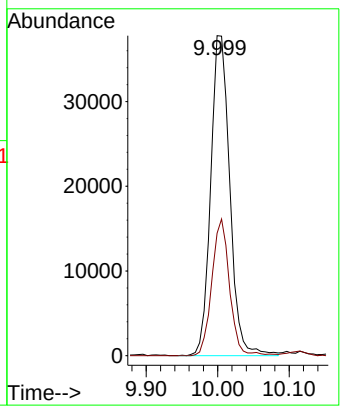
Tgt Ion: 43 Resp: 7023

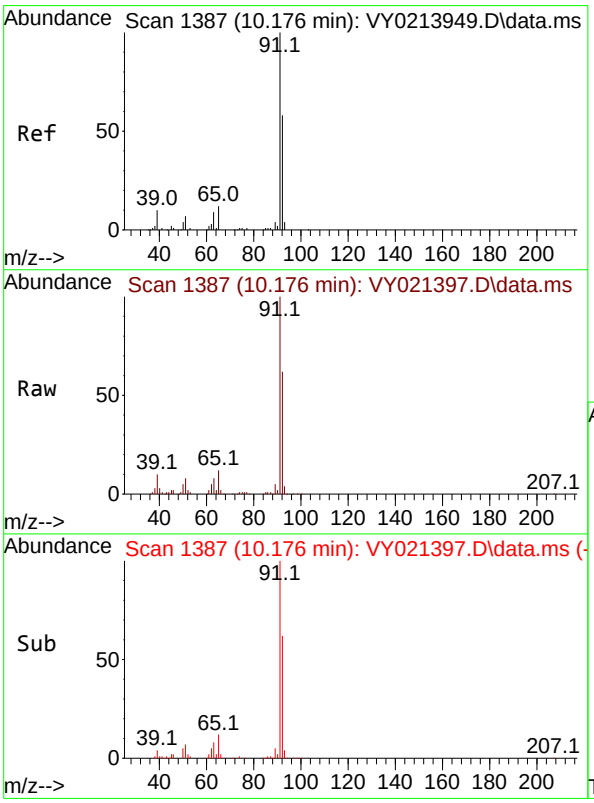
Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

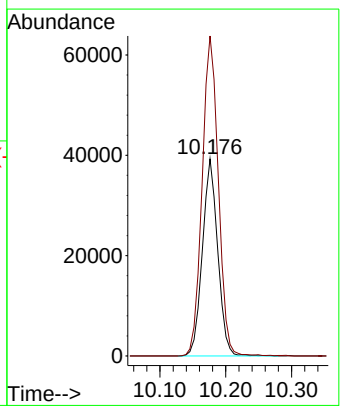


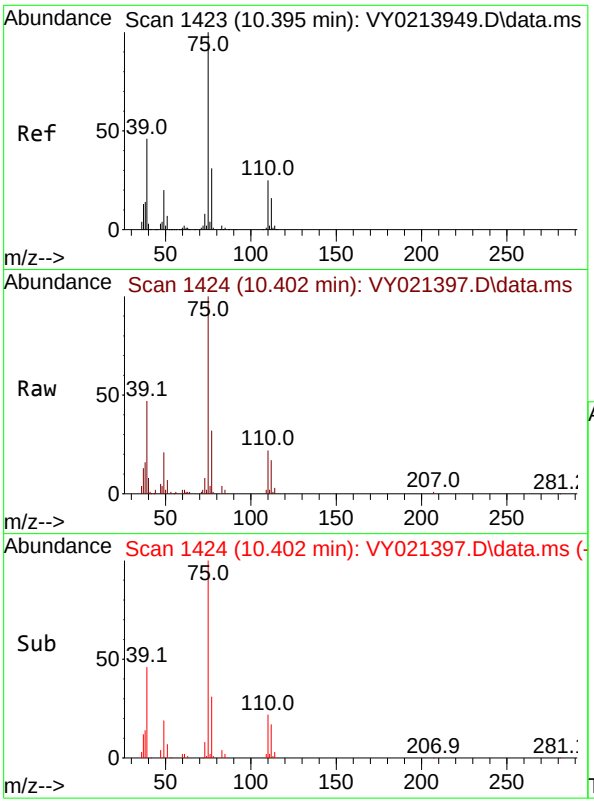


#52
Toluene
Concen: 9.968 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 92 Resp: 63716

Ion	Ratio	Lower	Upper
92	100		
91	171.3	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 9.528 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

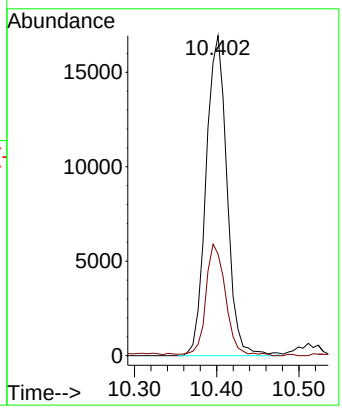
Tgt Ion: 75 Resp: 2992

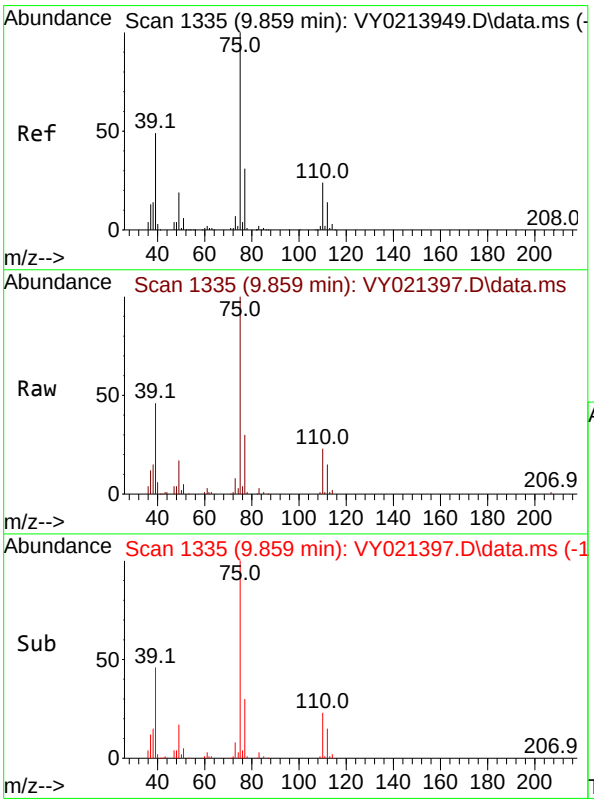
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

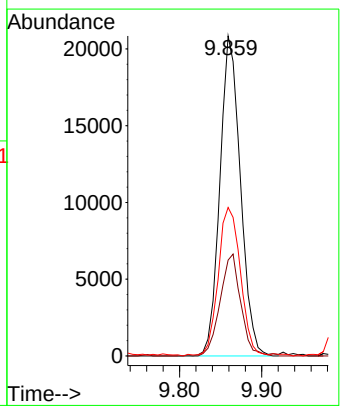


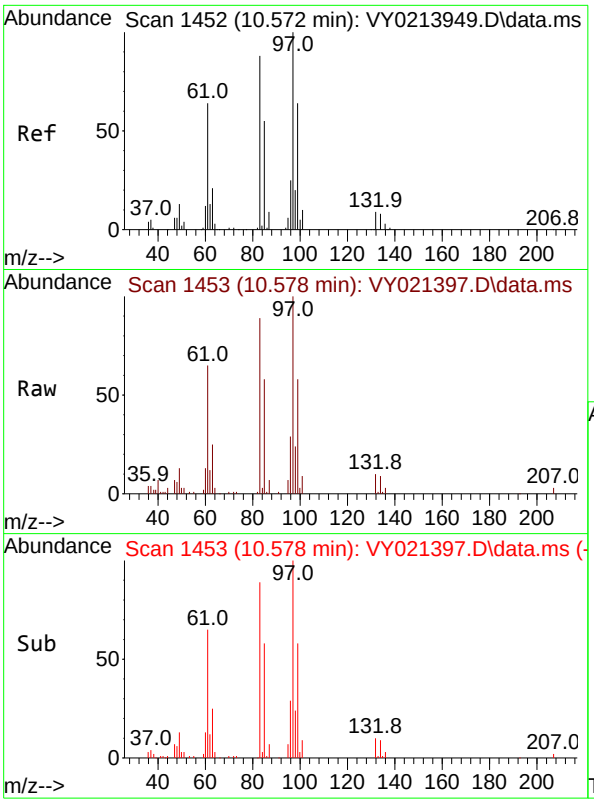


#54
cis-1,3-Dichloropropene
Concen: 9.756 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 75 Resp: 36383

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.6	37.0
39	46.0	39.4	59.2

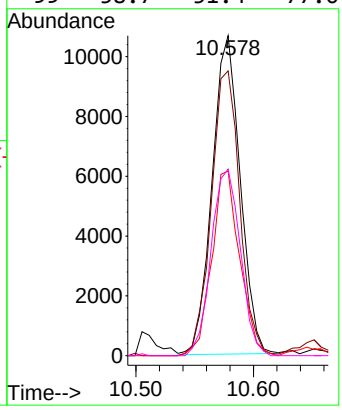




#55
1,1,2-Trichloroethane
Concen: 10.069 ug/l
RT: 10.578 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 97 Resp: 1768

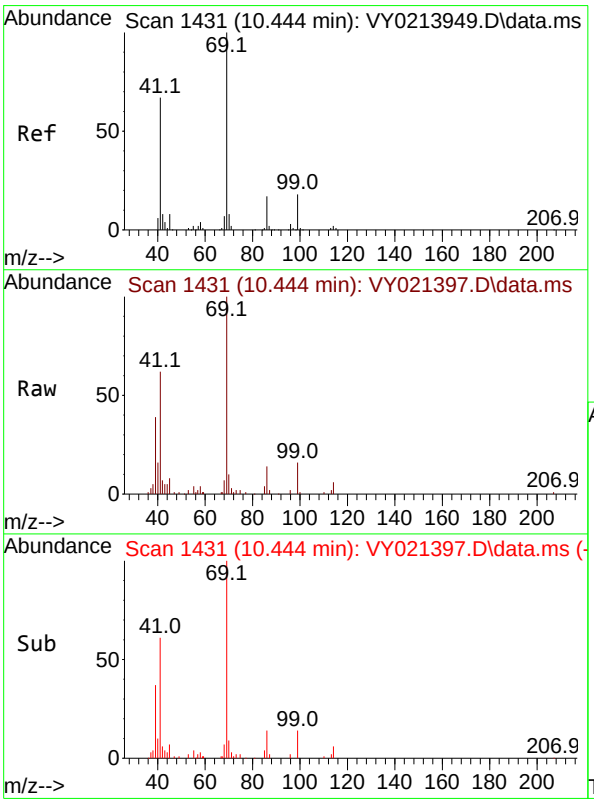
Ion	Ratio	Lower	Upper
97	100		
83	89.6	70.0	105.0
85	58.1	44.3	66.5
99	58.7	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

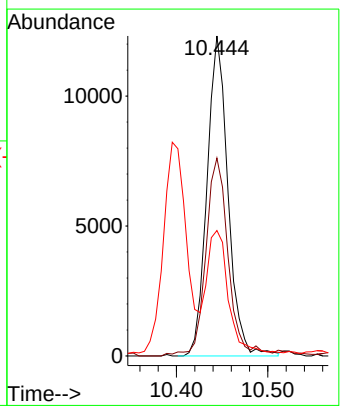
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

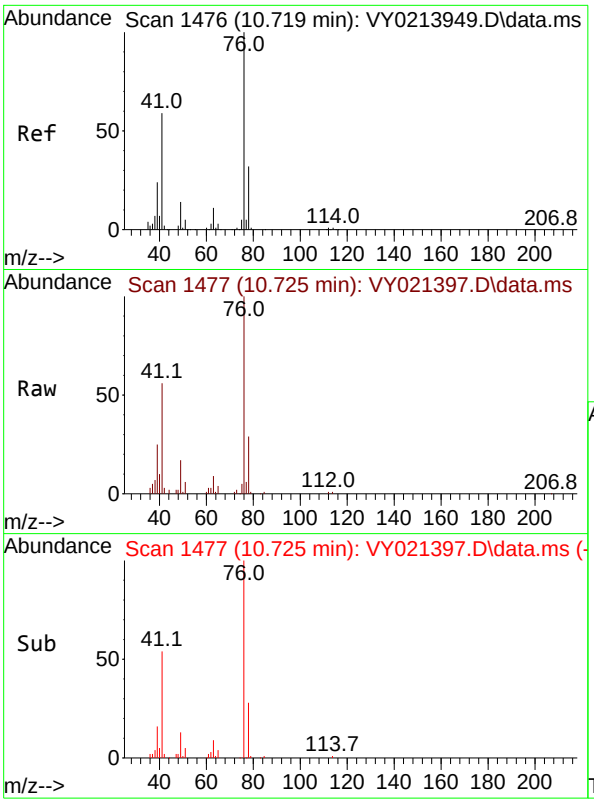


#56
Ethyl methacrylate
Concen: 8.757 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 69 Resp: 19614

Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.3	79.9
39	39.0	31.0	46.6





#57
1,3-Dichloropropane
Concen: 10.151 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

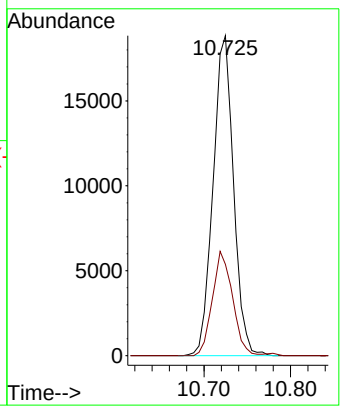
Tgt Ion: 76 Resp: 3089

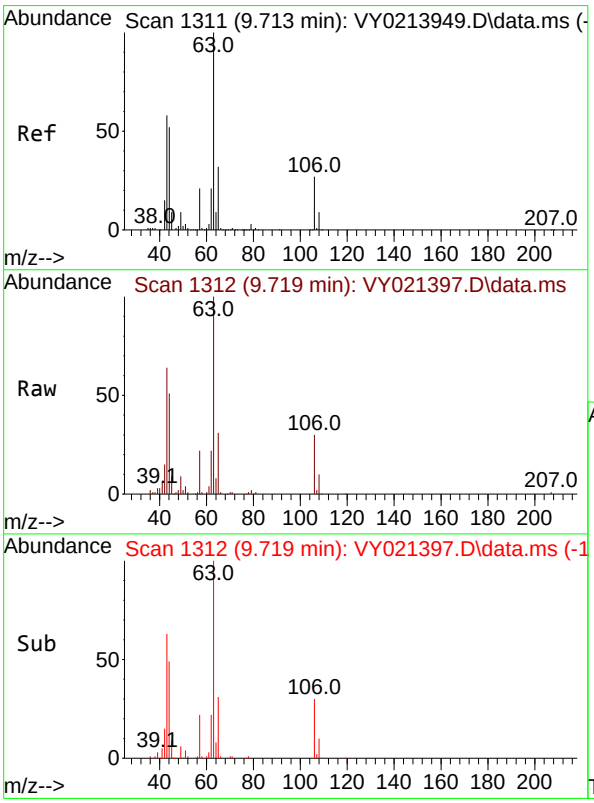
Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

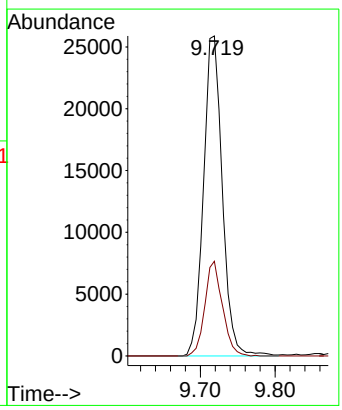


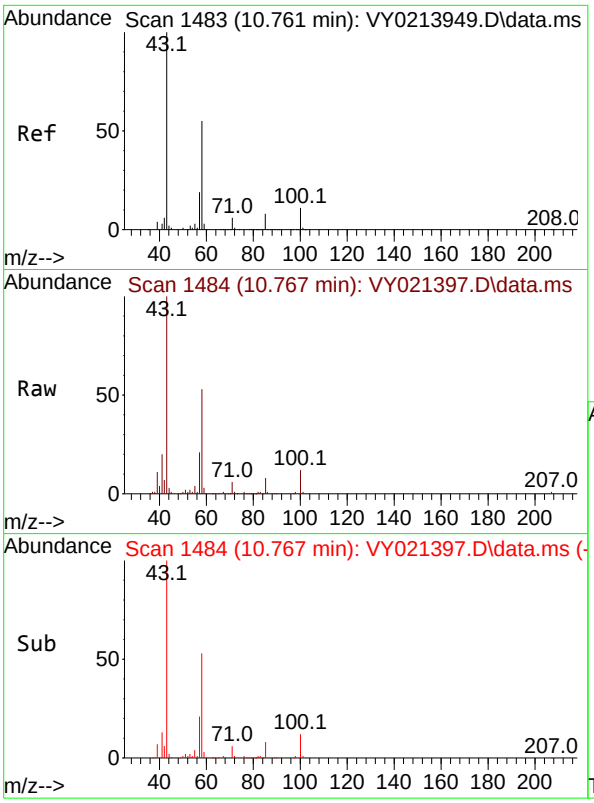


#58
2-Chloroethyl Vinyl ether
Concen: 43.615 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 63 Resp: 45096

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.1	33.1





#59
2-Hexanone
Concen: 44.876 ug/l
RT: 10.767 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

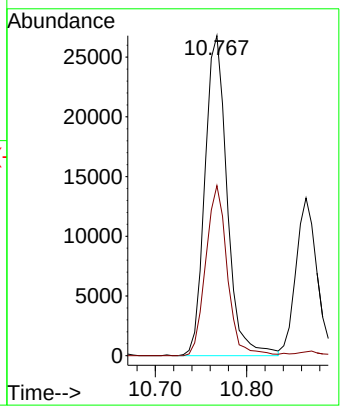
Tgt Ion: 43 Resp: 4521

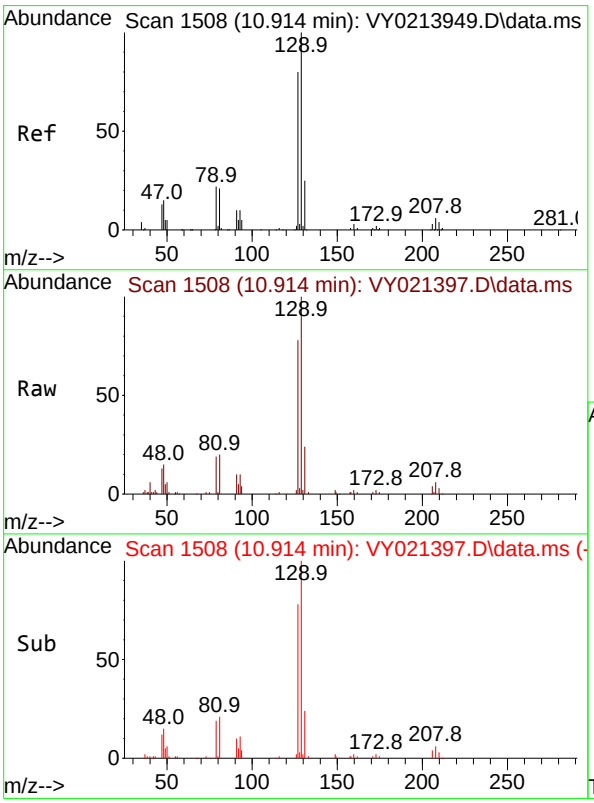
Ion	Ratio	Lower	Upper
43	100		
58	51.4	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

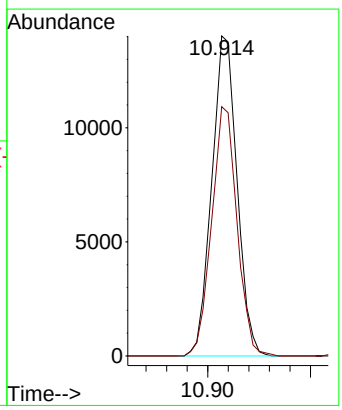


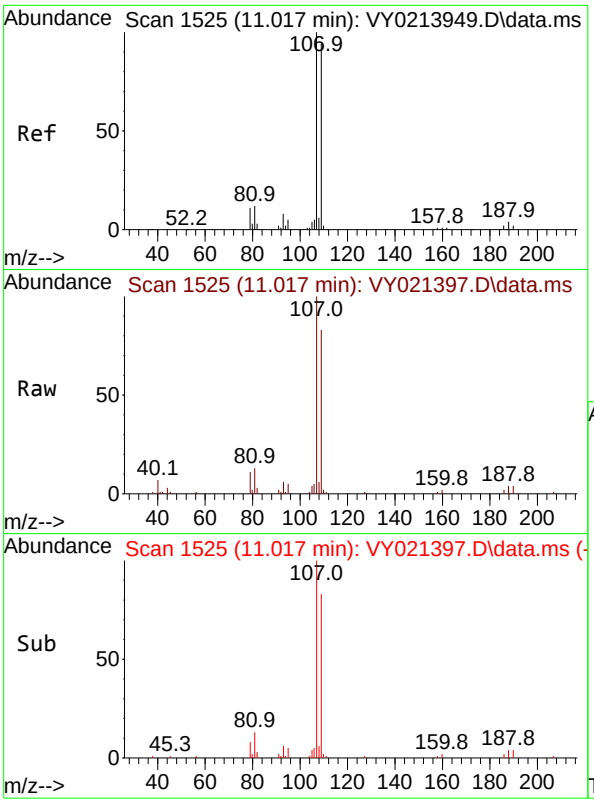


#60
Dibromochloromethane
Concen: 9.936 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:129 Resp: 23922

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.3





#61
1,2-Dibromoethane
Concen: 9.938 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

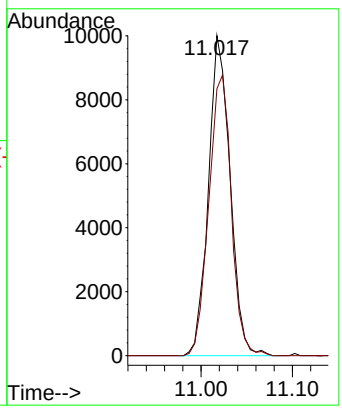
Tgt Ion:107 Resp: 1647

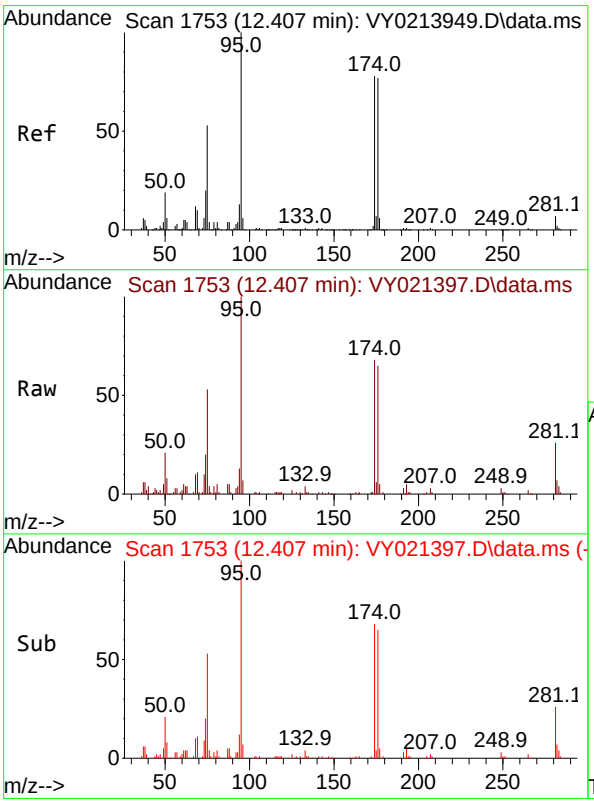
Ion	Ratio	Lower	Upper
107	100		
109	91.1	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

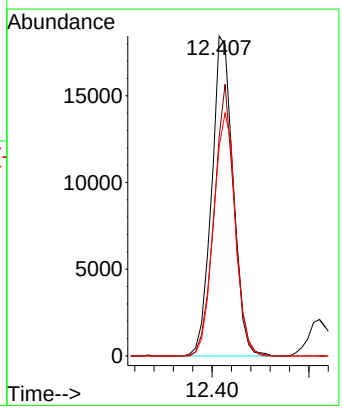


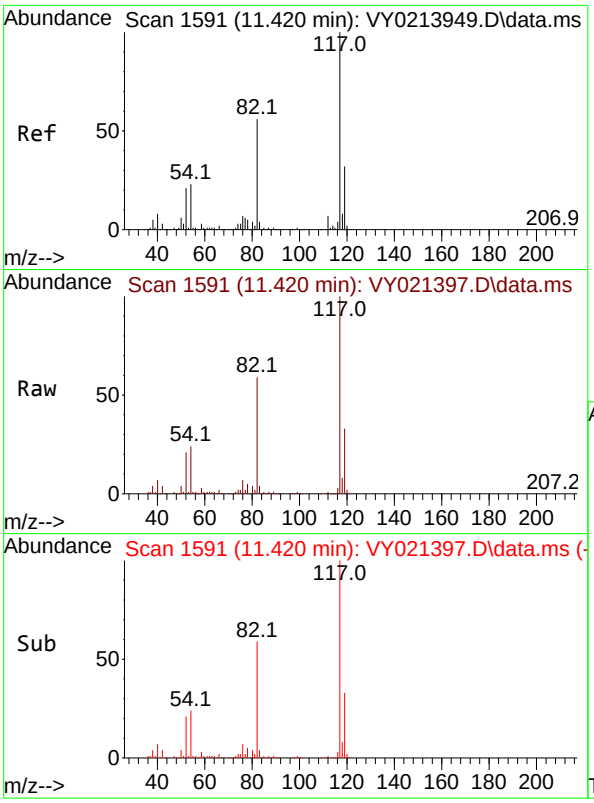


#62
4-Bromofluorobenzene
Concen: 10.022 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 95 Resp: 28379

Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	165.0
176	77.7	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

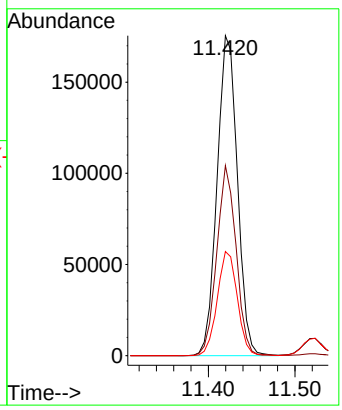
Tgt Ion:117 Resp: 28622

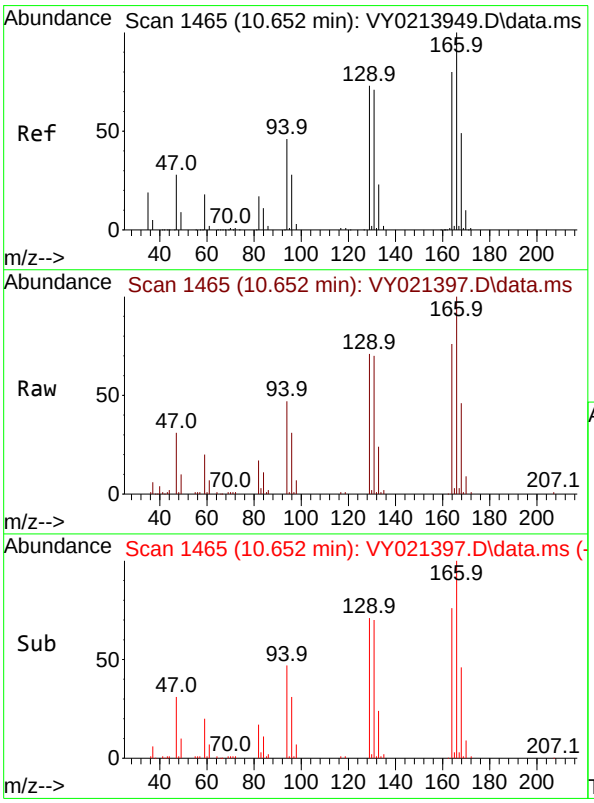
Ion	Ratio	Lower	Upper
117	100		
82	59.4	44.6	67.0
119	32.6	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

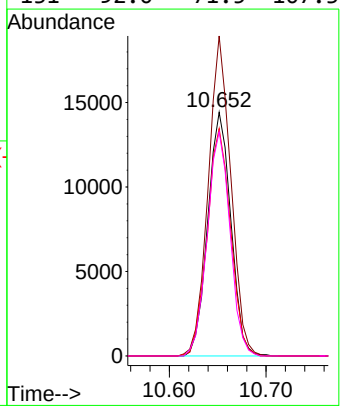


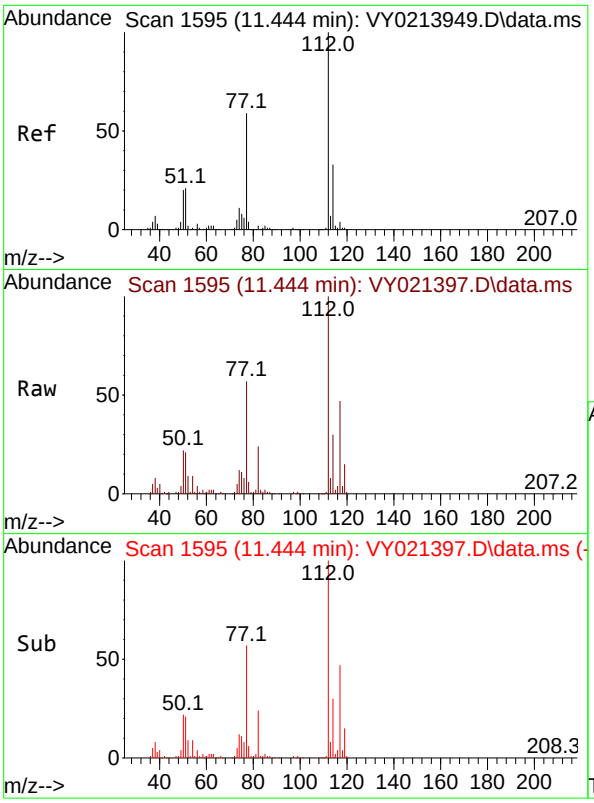


#64
Tetrachloroethene
Concen: 10.289 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:164 Resp: 23948

Ion	Ratio	Lower	Upper
164	100		
166	131.3	100.4	150.6
129	93.3	73.8	110.8
131	92.0	71.5	107.3





#65
Chlorobenzene
Concen: 10.110 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

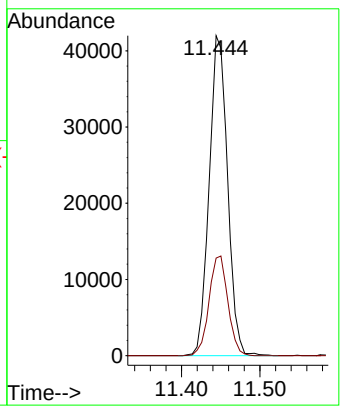
Tgt Ion:112 Resp: 6833

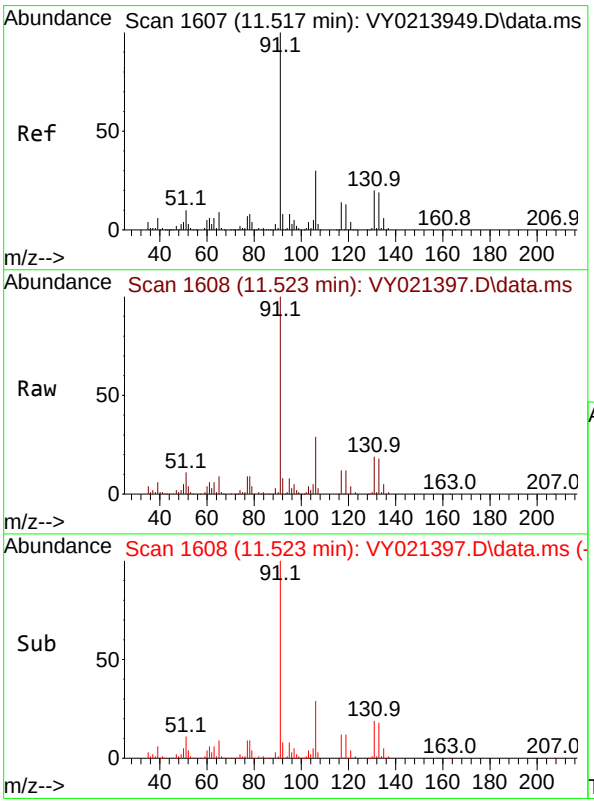
Ion	Ratio	Lower	Upper
112	100		
114	30.5	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

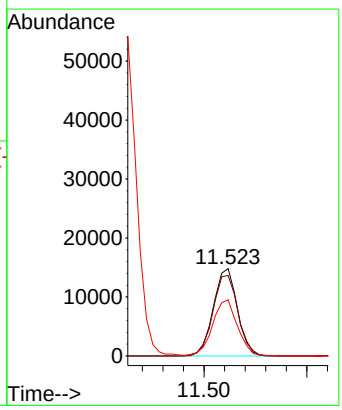


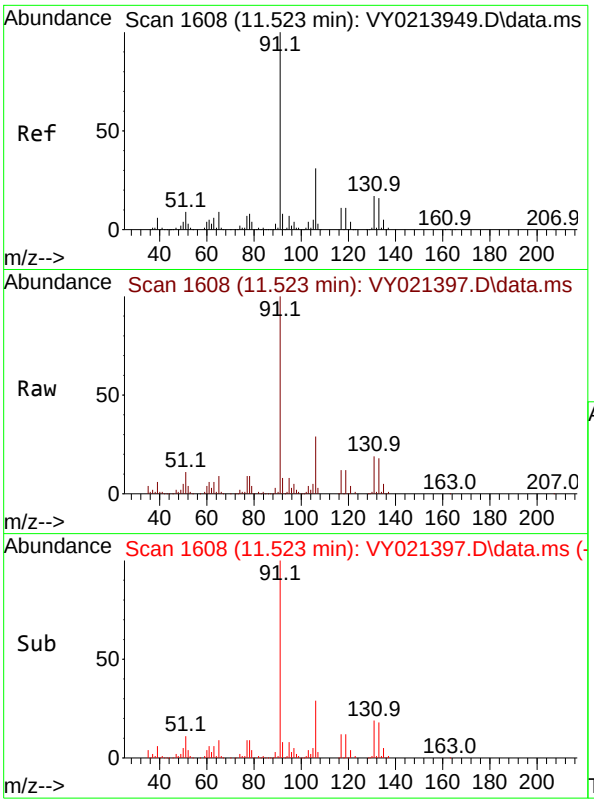


#66
1,1,1,2-Tetrachloroethane
Concen: 10.065 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:131 Resp: 24052

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.6	142.9
119	66.7	32.3	96.9





#67
Ethyl Benzene
Concen: 9.676 ug/l
RT: 11.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

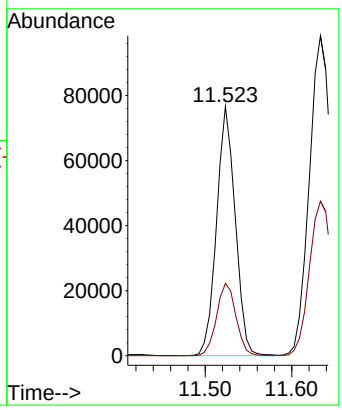
Tgt Ion: 91 Resp: 11479

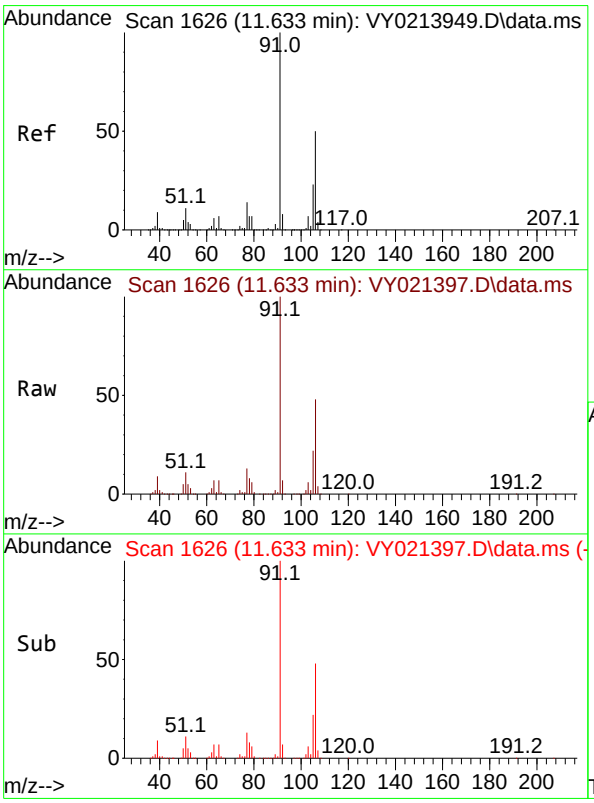
Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

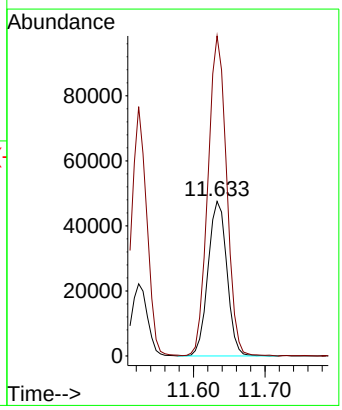


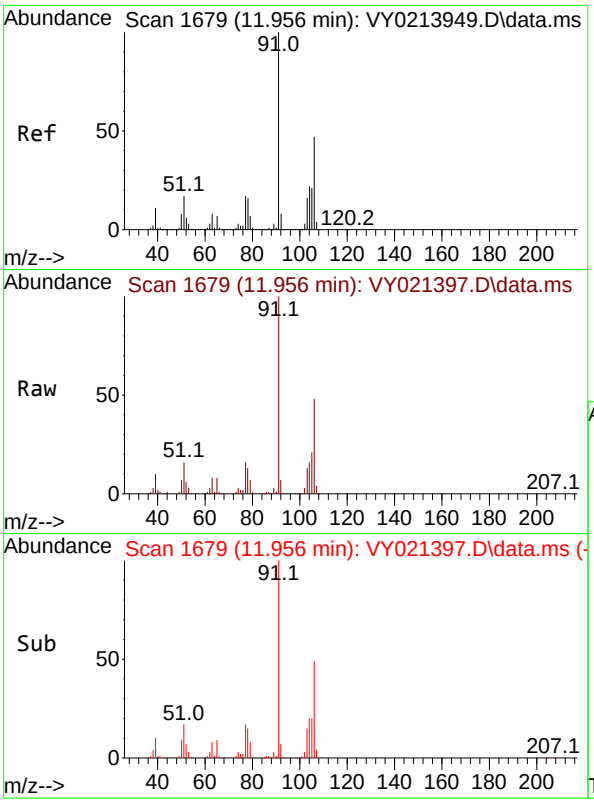


#68
m/p-Xylenes
Concen: 19.346 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:106 Resp: 87134

Ion	Ratio	Lower	Upper
106	100		
91	205.2	161.7	242.5





#69
o-Xylene
Concen: 9.655 ug/l
RT: 11.956 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

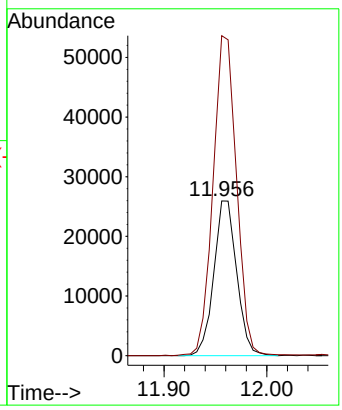
Tgt Ion:106 Resp: 4008(

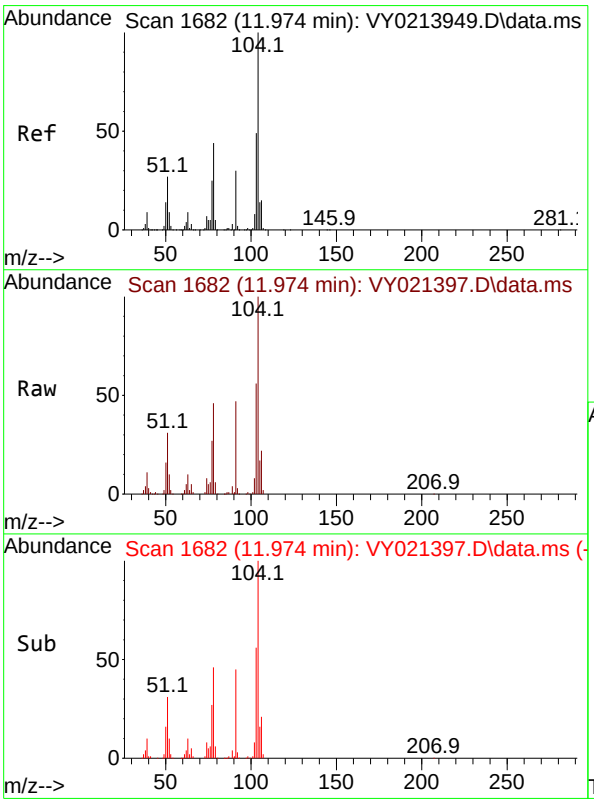
Ion	Ratio	Lower	Upper
106	100		
91	212.6	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

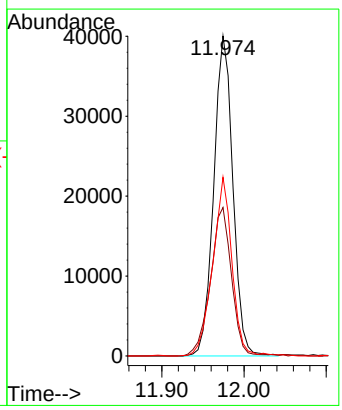


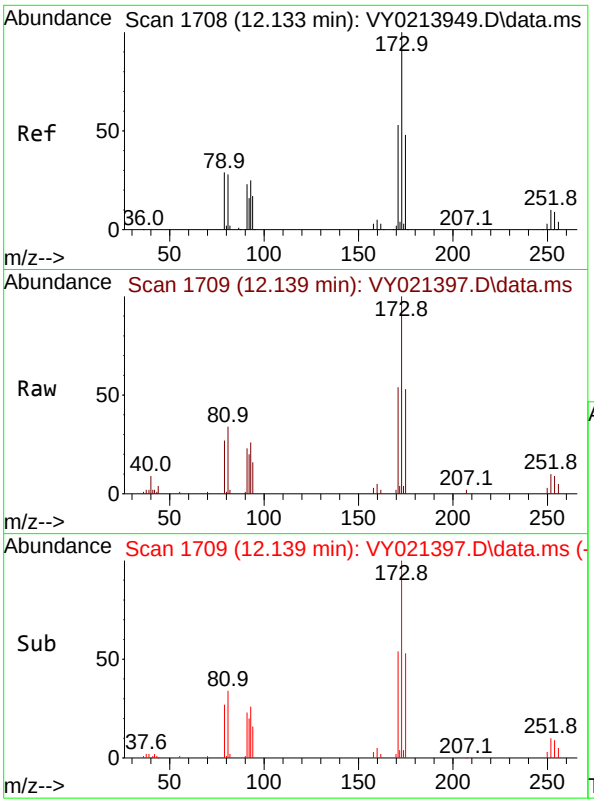


#70
Styrene
Concen: 9.416 ug/l
RT: 11.974 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:104 Resp: 64841

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.7	61.1
103	56.5	44.1	66.1

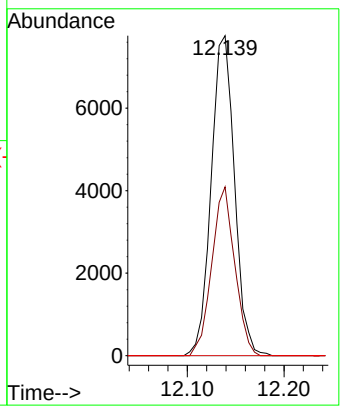




#71
Bromoform
Concen: 9.719 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:173 Resp: 1298

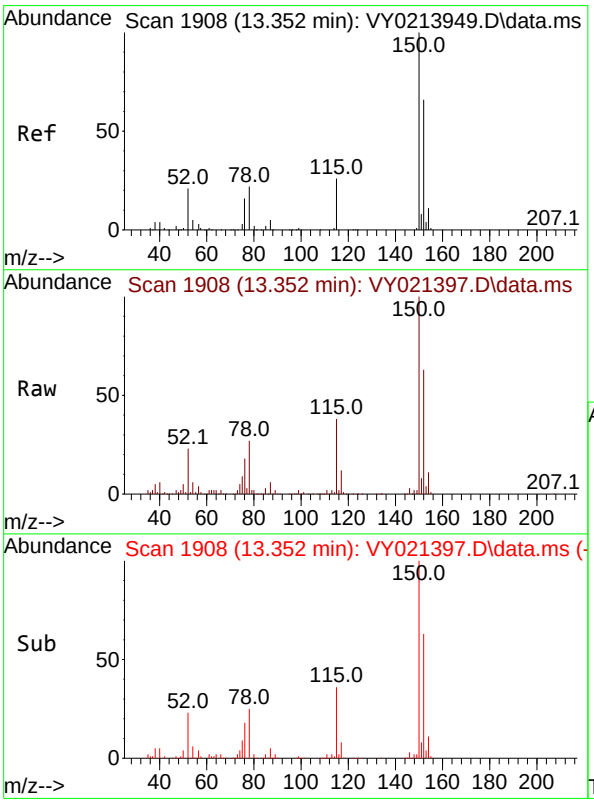
Ion	Ratio	Lower	Upper
173	100		
175	52.2	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

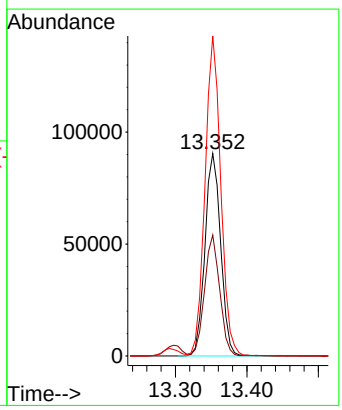
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

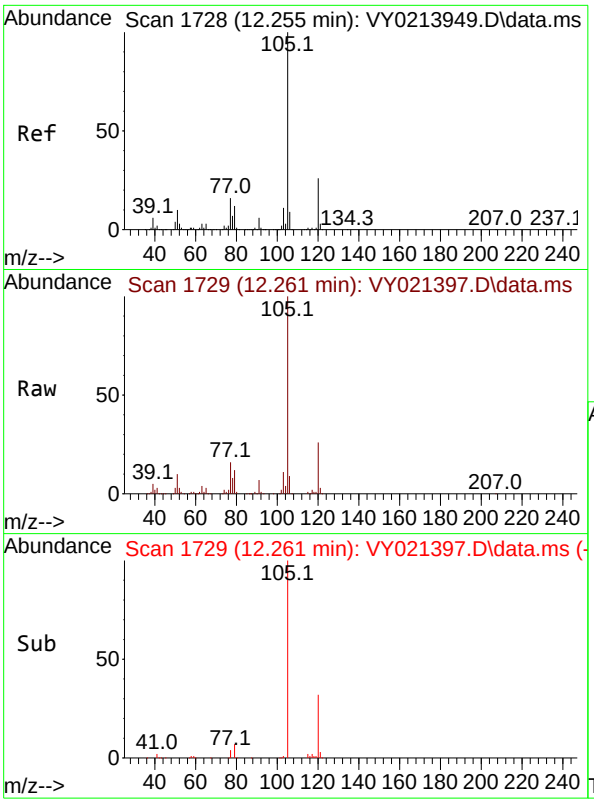


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:152 Resp: 137839

Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.0	87.0
150	158.4	0.0	347.2

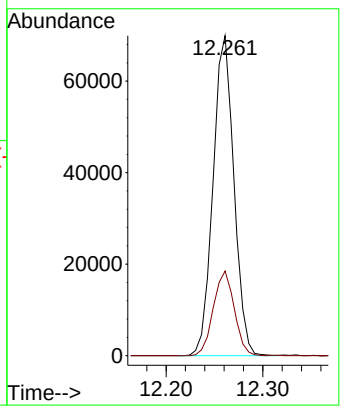




#73
Isopropylbenzene
Concen: 9.639 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:105 Resp: 10466

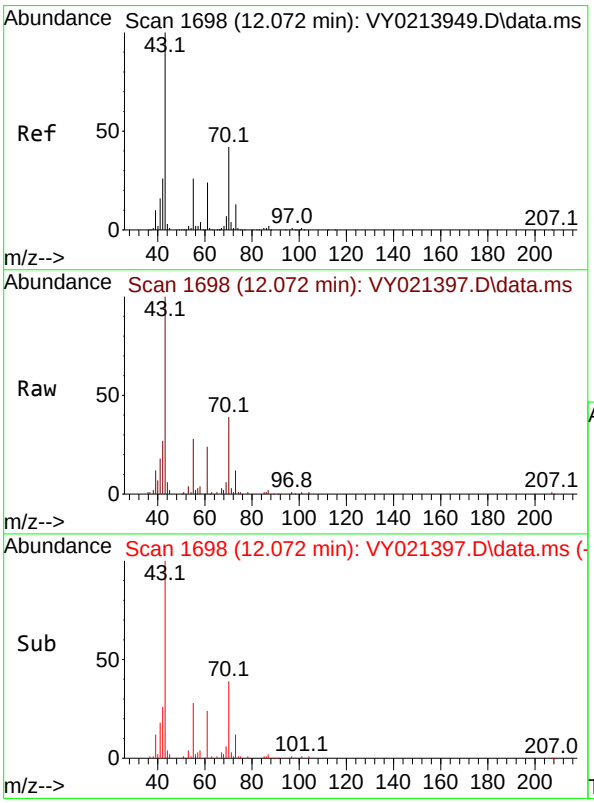
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

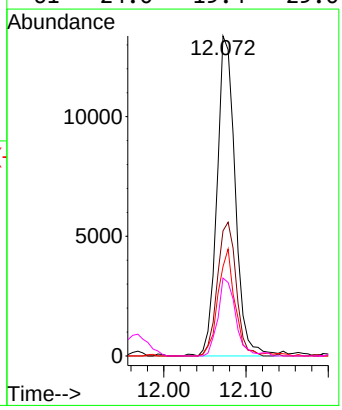
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

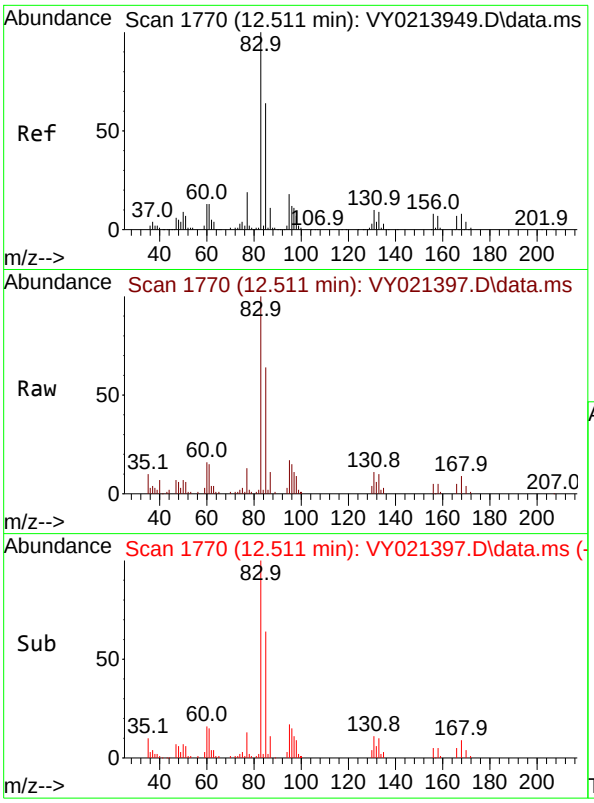


#74
N-amyl acetate
Concen: 8.725 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 43 Resp: 20573

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.6	51.8
55	31.1	21.1	31.7
61	24.0	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 10.249 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

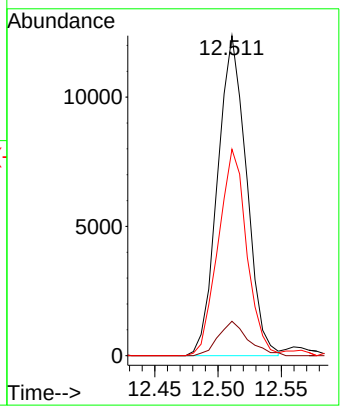
Tgt Ion: 83 Resp: 1963

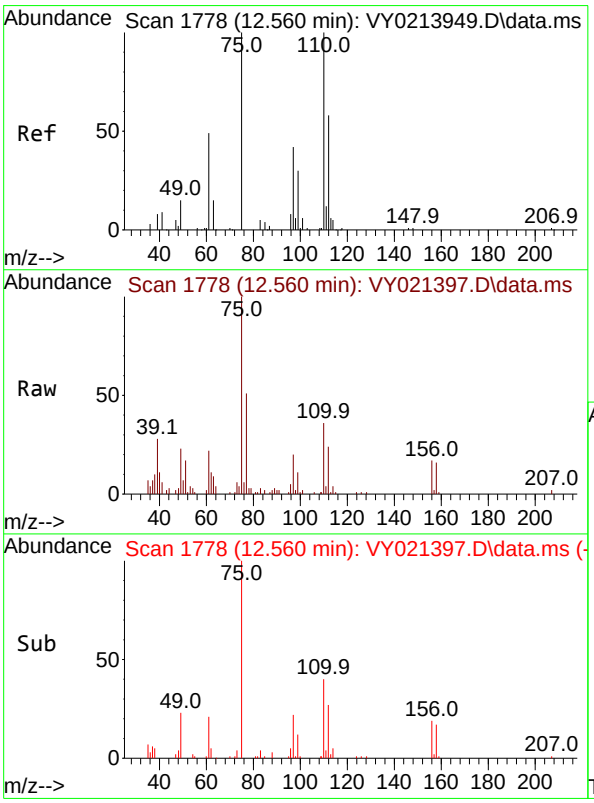
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.3	16.1
85	63.9	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

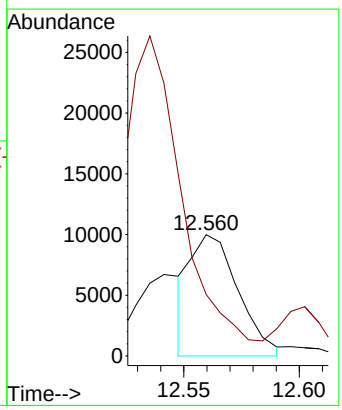


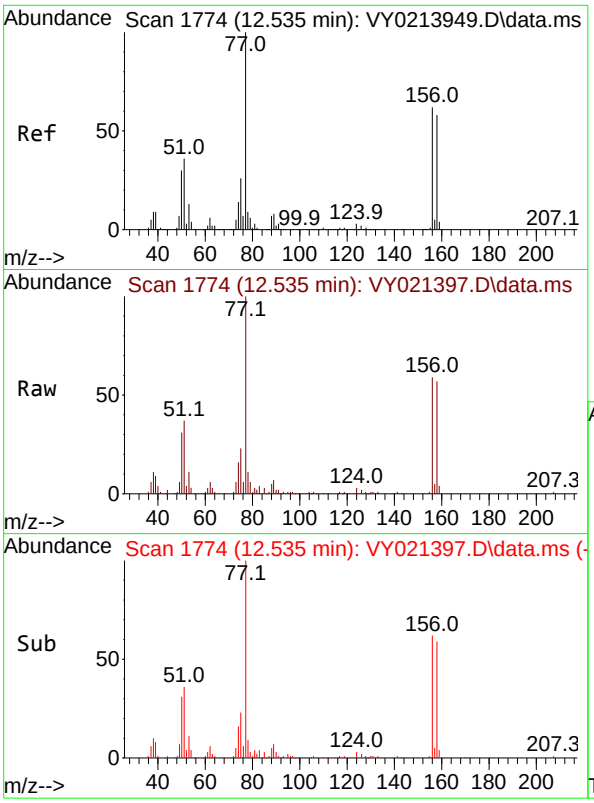


#76
1,2,3-Trichloropropane
Concen: 10.371 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 75 Resp: 14405

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 10.073 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

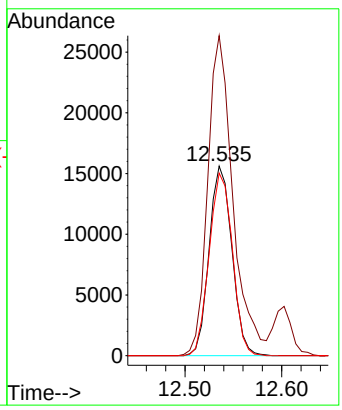
Tgt Ion:156 Resp: 2558

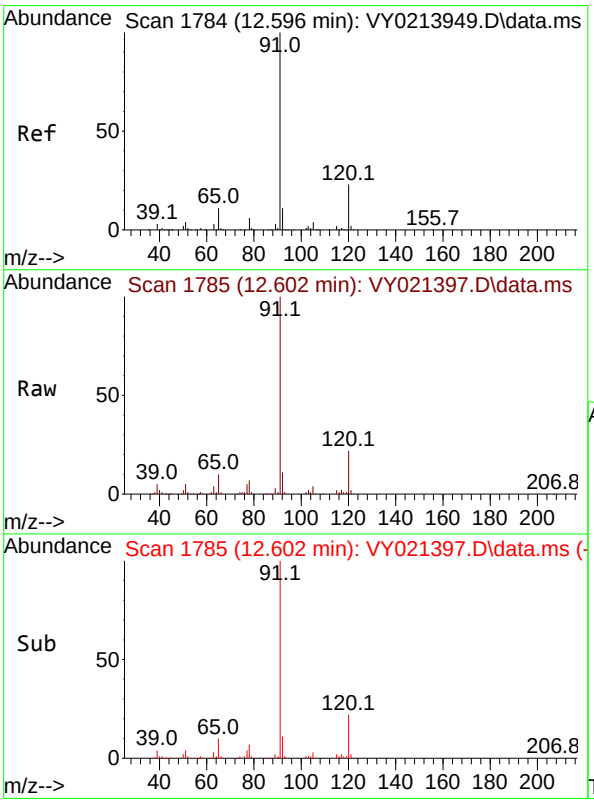
Ion	Ratio	Lower	Upper
156	100		
77	186.2	93.6	280.8
158	98.0	48.3	144.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

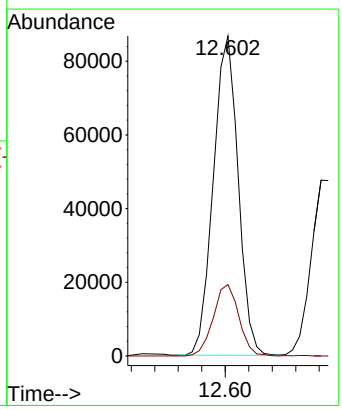


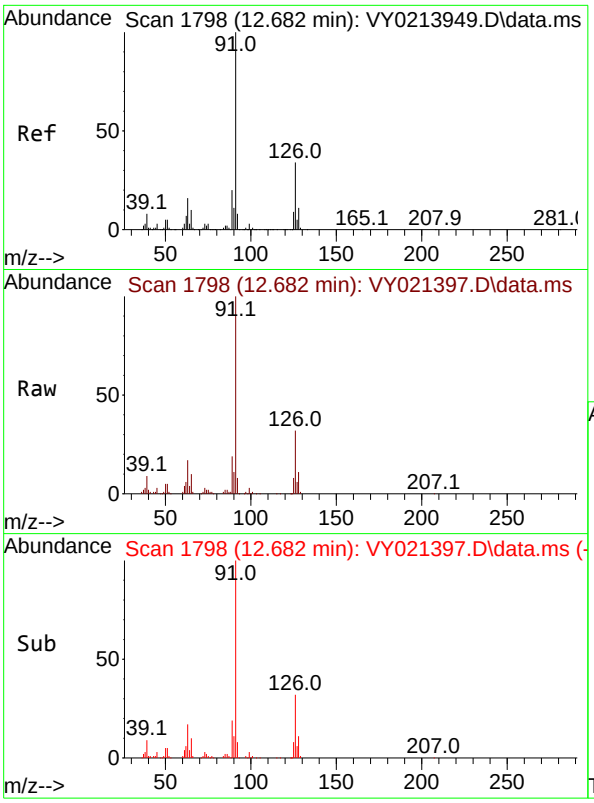


#78
n-propylbenzene
Concen: 9.626 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 91 Resp: 126938

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.3	33.8





#79
2-Chlorotoluene
Concen: 9.898 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

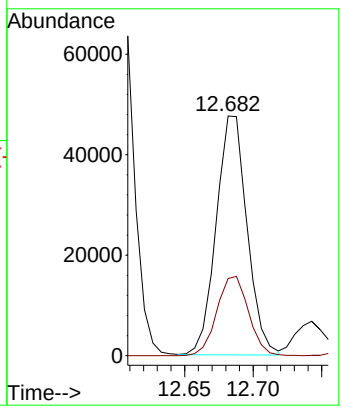
Tgt Ion: 91 Resp: 7463

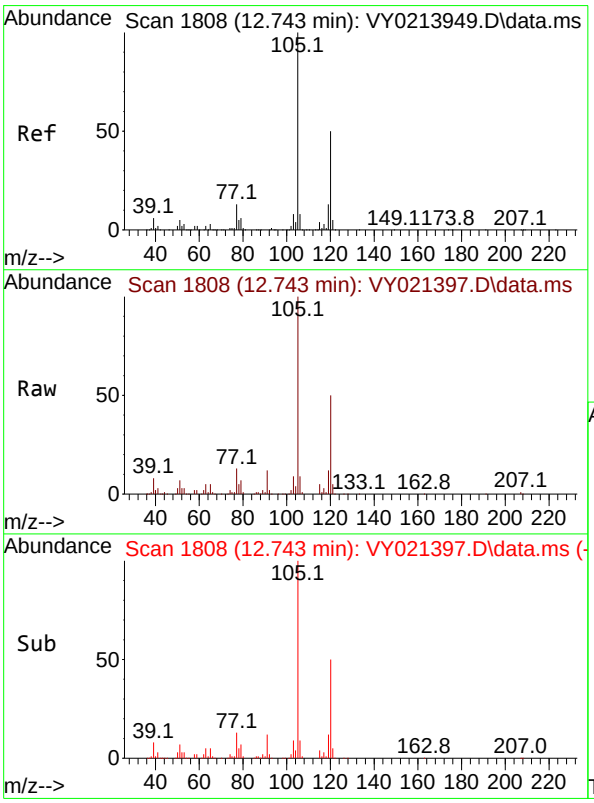
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

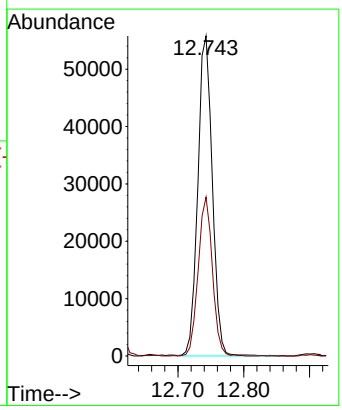


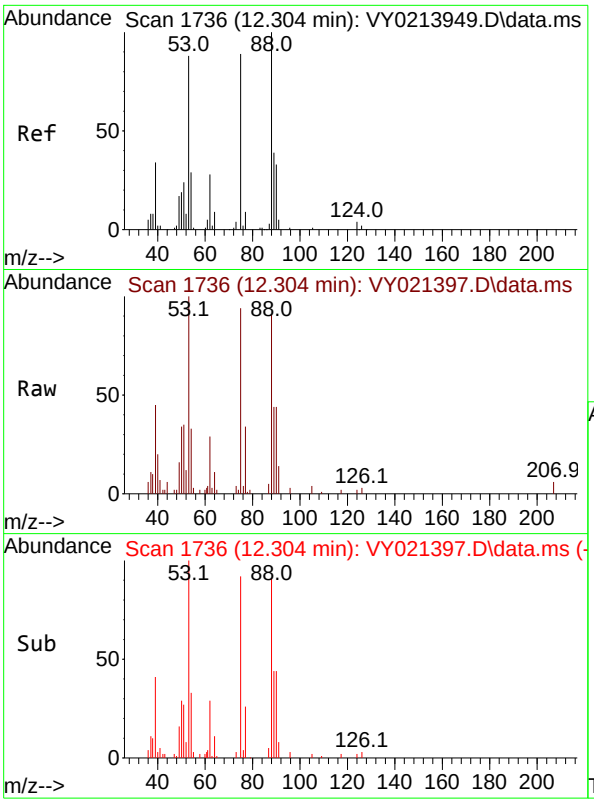


#80
1,3,5-Trimethylbenzene
Concen: 9.673 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:105 Resp: 85353

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 9.650 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

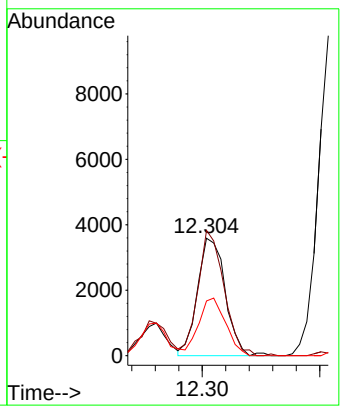
Tgt Ion: 75 Resp: 589

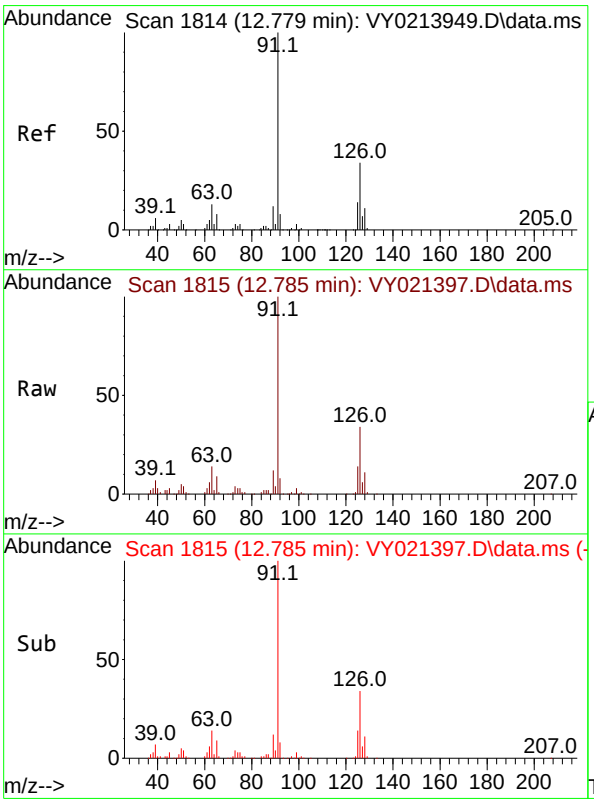
Ion	Ratio	Lower	Upper
75	100		
53	99.6	81.0	121.4
89	47.2	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

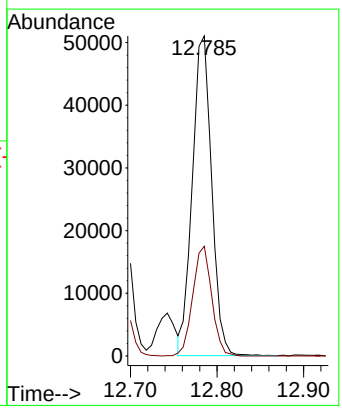


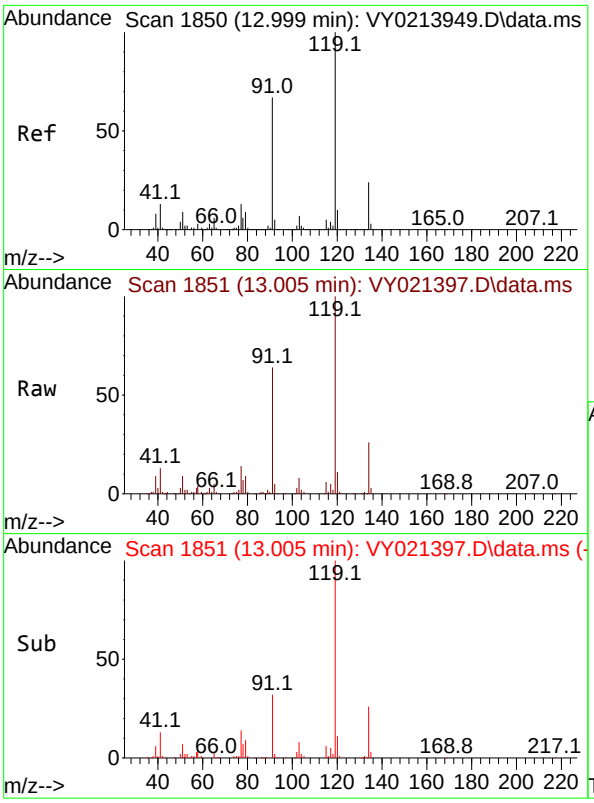


#82
4-Chlorotoluene
Concen: 10.118 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 91 Resp: 78997

Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.0	51.0

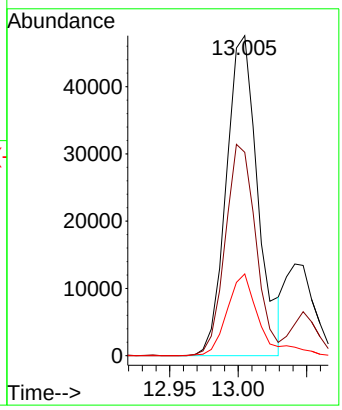




#83
tert-Butylbenzene
Concen: 9.705 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:119 Resp: 7639

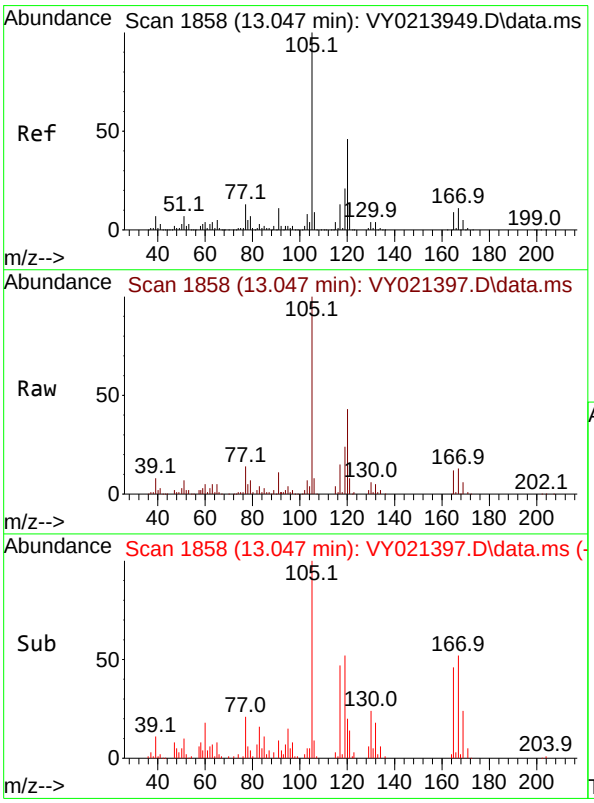
Ion	Ratio	Lower	Upper
119	100		
91	64.1	33.2	99.6
134	26.2	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

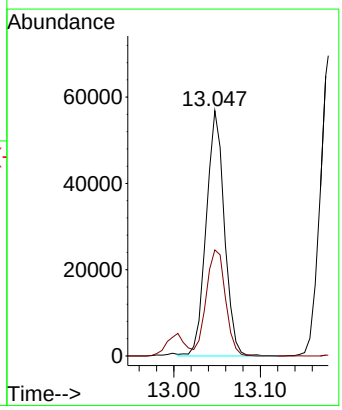
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

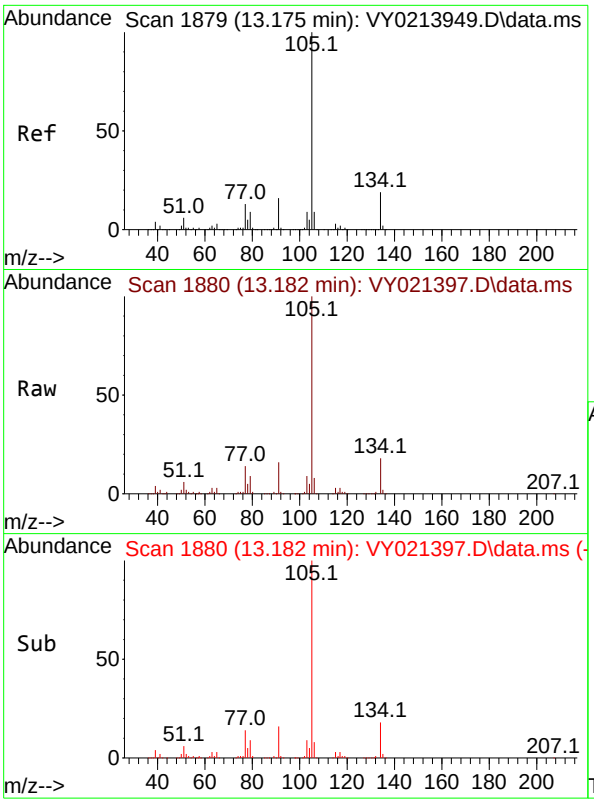


#84
1,2,4-Trimethylbenzene
Concen: 9.458 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:105 Resp: 82865

Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.7	68.1





#85
sec-Butylbenzene
Concen: 9.362 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

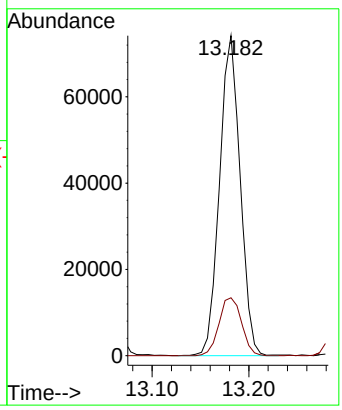
Tgt Ion:105 Resp: 10964

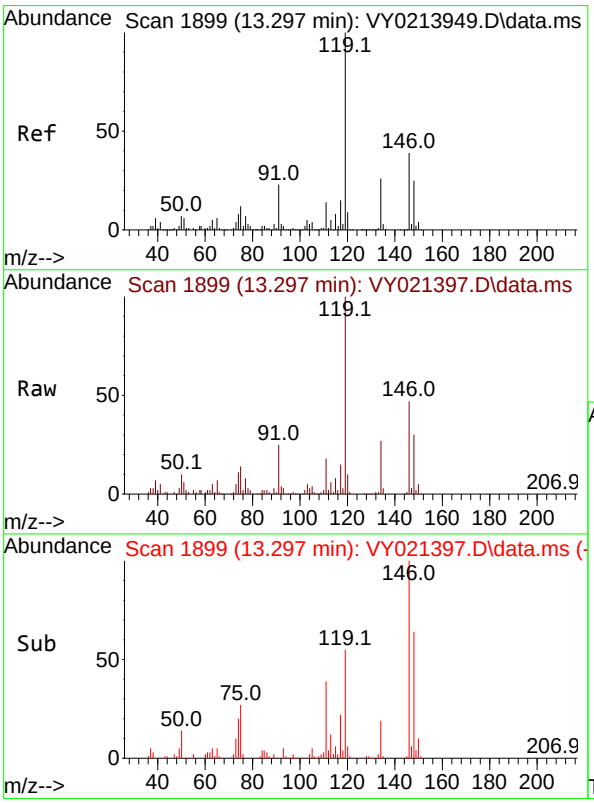
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

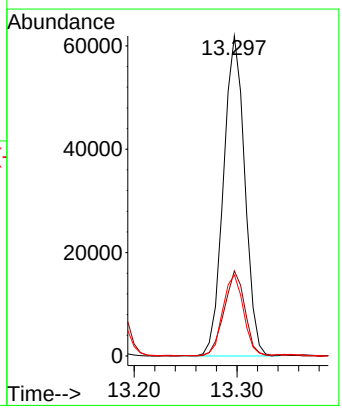


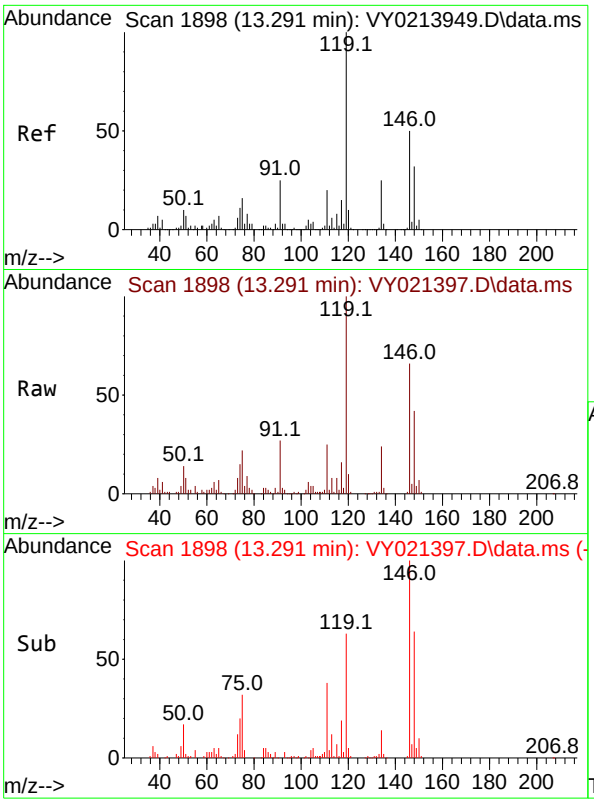


#86
p-Isopropyltoluene
Concen: 9.248 ug/l
RT: 13.297 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:119 Resp: 89228

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.1
91	24.5	12.2	36.6





#87
1,3-Dichlorobenzene
Concen: 10.147 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

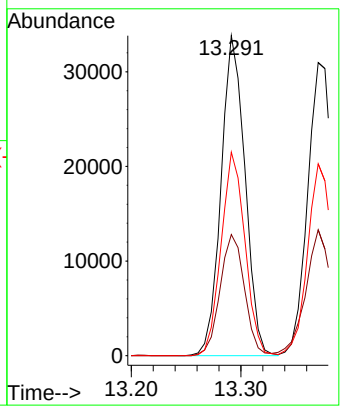
Tgt Ion:146 Resp: 5130

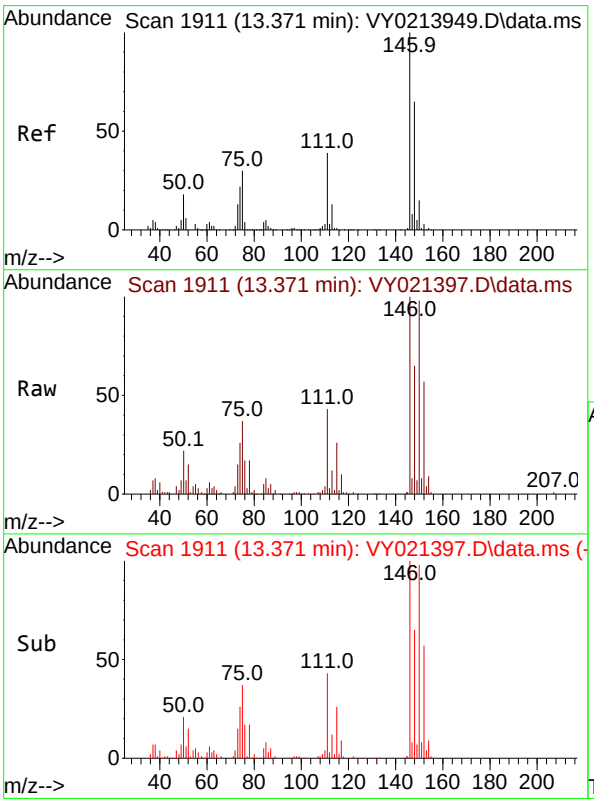
Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	60.0
148	63.3	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

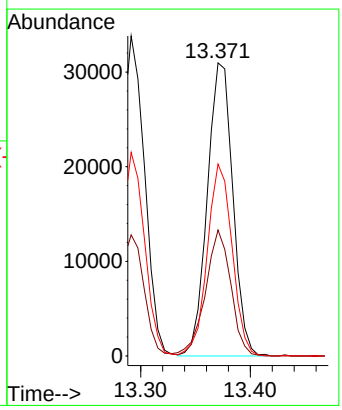


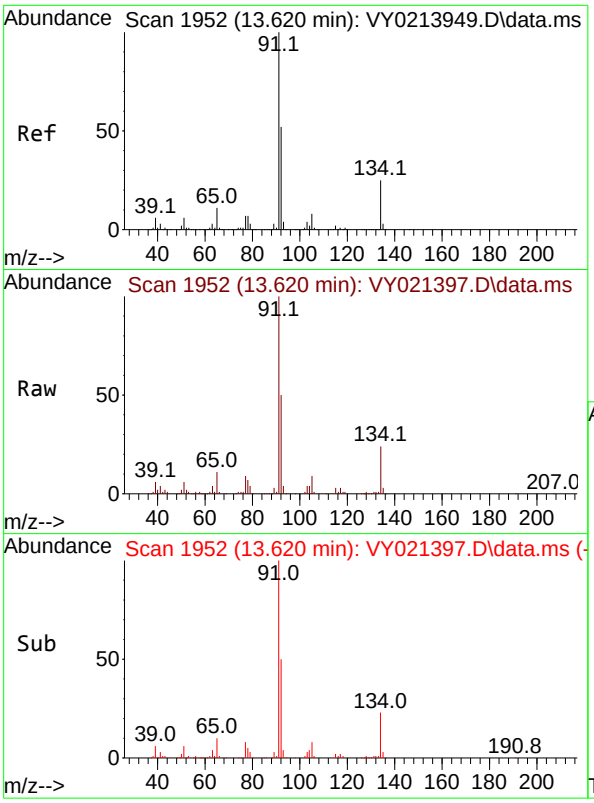


#88
1,4-Dichlorobenzene
Concen: 10.143 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:146 Resp: 50160

Ion	Ratio	Lower	Upper
146	100		
111	43.0	19.6	58.8
148	63.9	32.3	96.8





#89
n-Butylbenzene
Concen: 8.779 ug/l
RT: 13.620 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

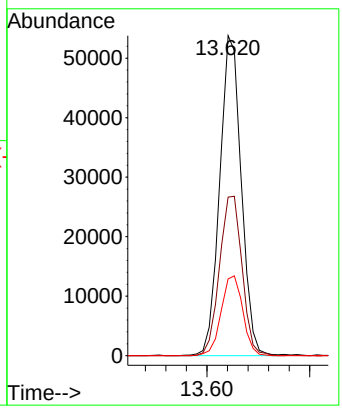
Tgt Ion: 91 Resp: 7821

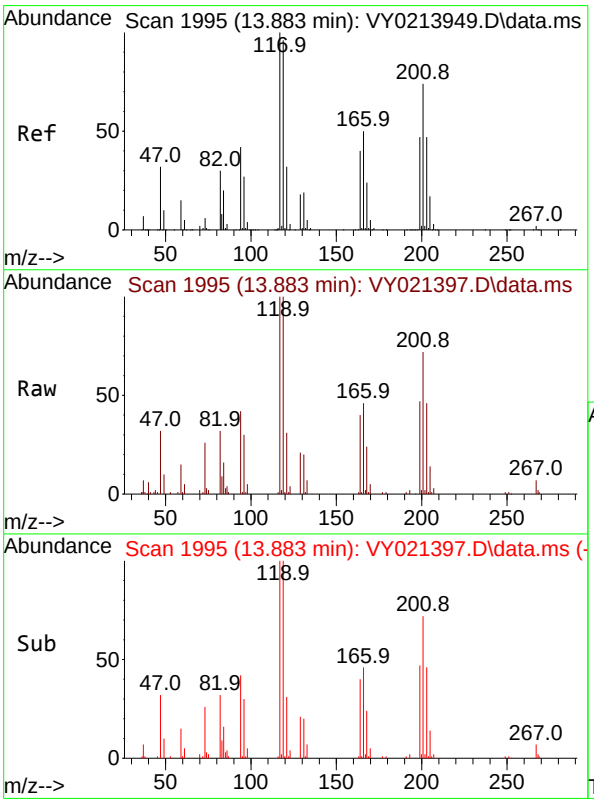
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	25.1	12.6	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

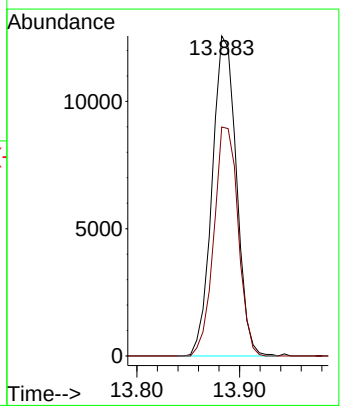


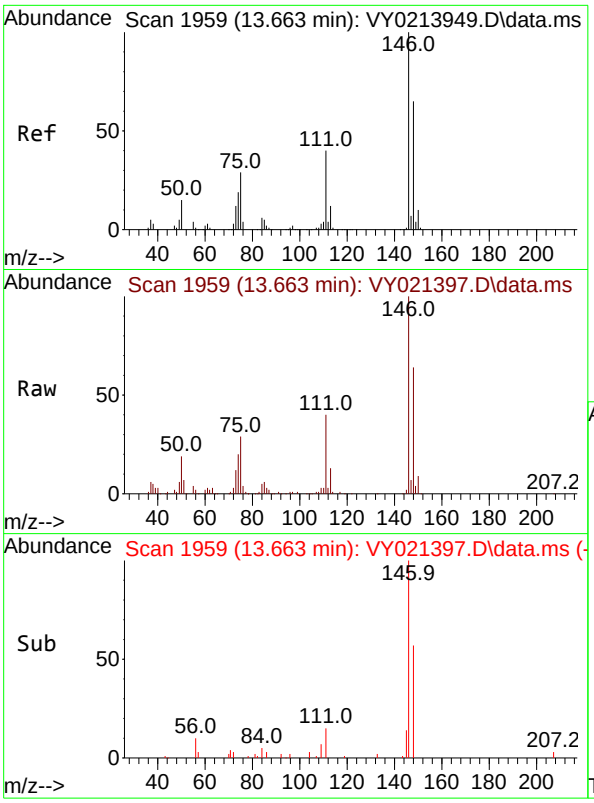


#90
Hexachloroethane
Concen: 9.998 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:117 Resp: 20579

Ion	Ratio	Lower	Upper
117	100		
201	71.5	37.4	112.2

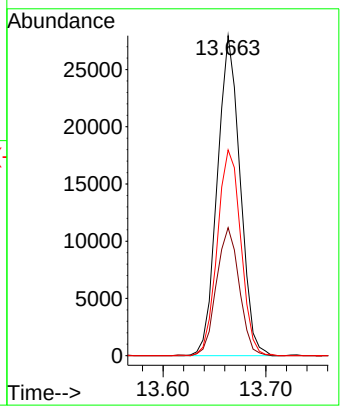




#91
1,2-Dichlorobenzene
Concen: 9.929 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:146 Resp: 4302

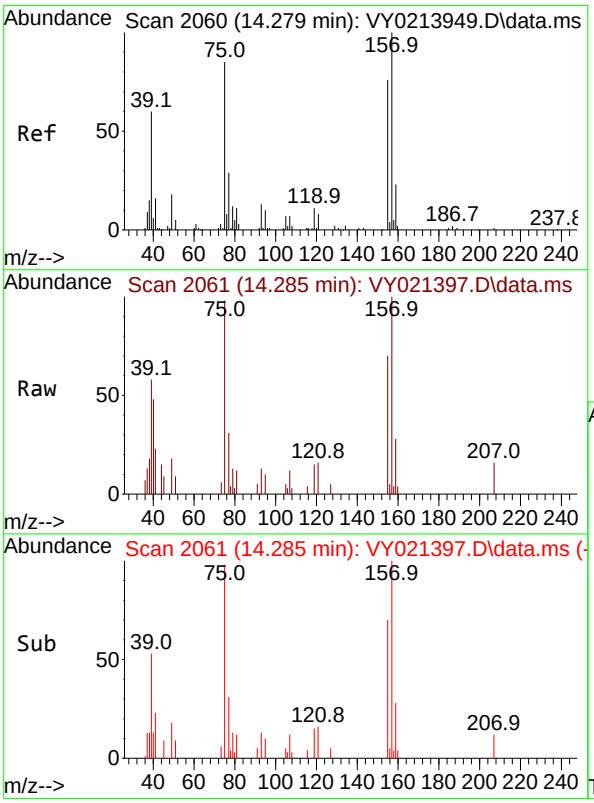
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.7	62.1
148	66.3	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

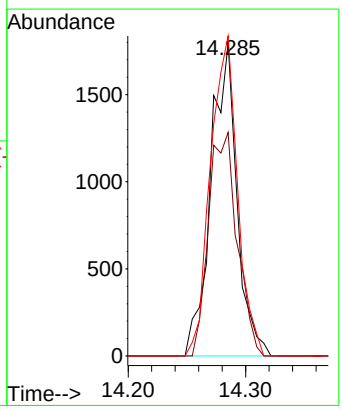
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

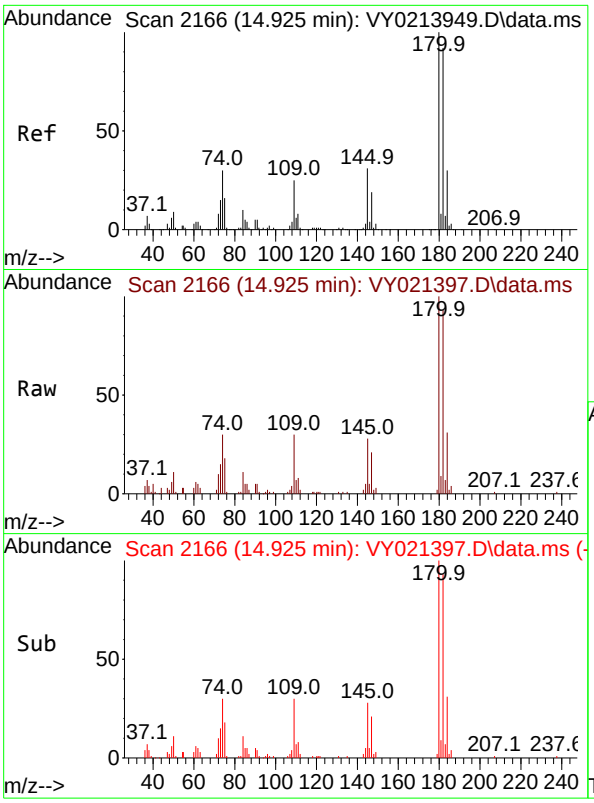


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.710 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 75 Resp: 2787

Ion	Ratio	Lower	Upper
75	100		
155	78.0	43.5	130.5
157	105.4	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 8.422 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

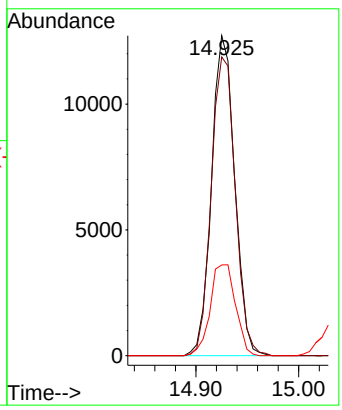
Tgt Ion:180 Resp: 1993

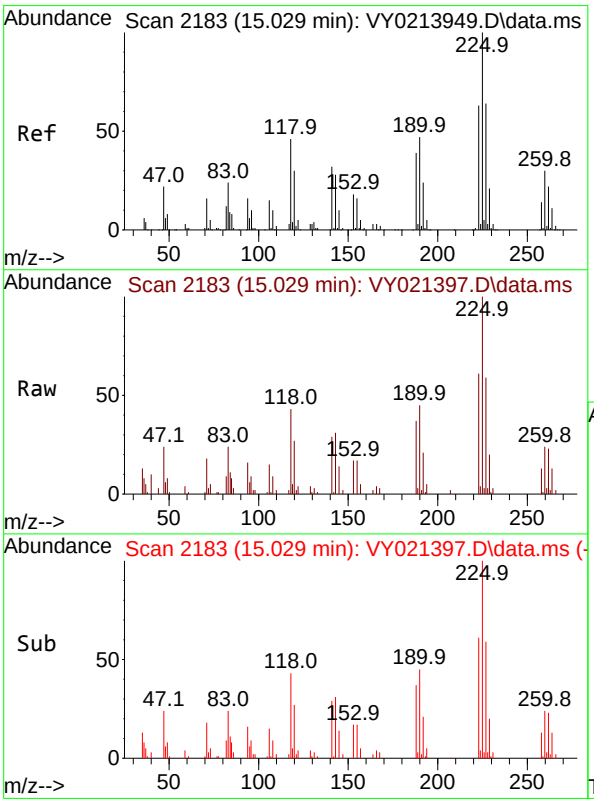
Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.7	140.0
145	31.1	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

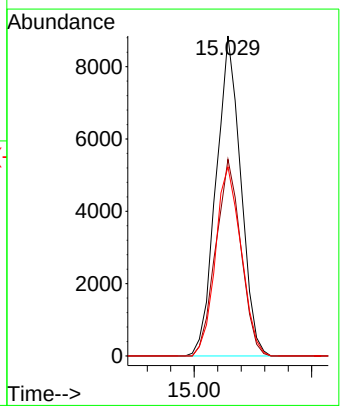


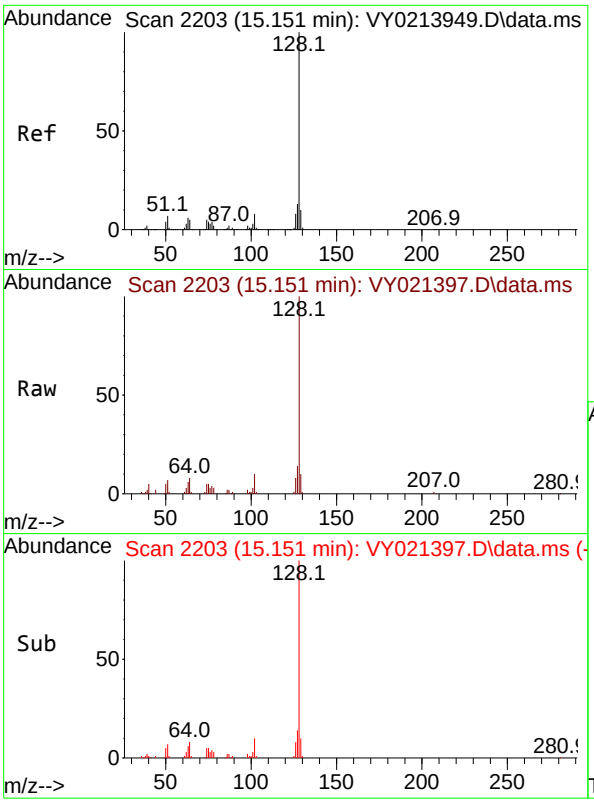


#94
Hexachlorobutadiene
Concen: 8.709 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:225 Resp: 12923

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.4	94.2
227	61.6	31.8	95.4

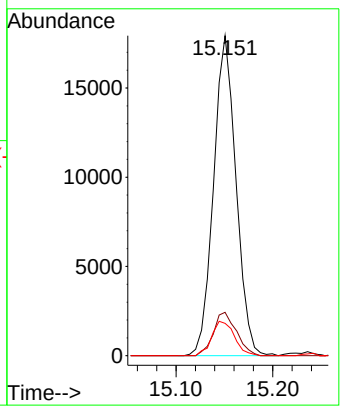




#95
Naphthalene
Concen: 9.071 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:128 Resp: 2889

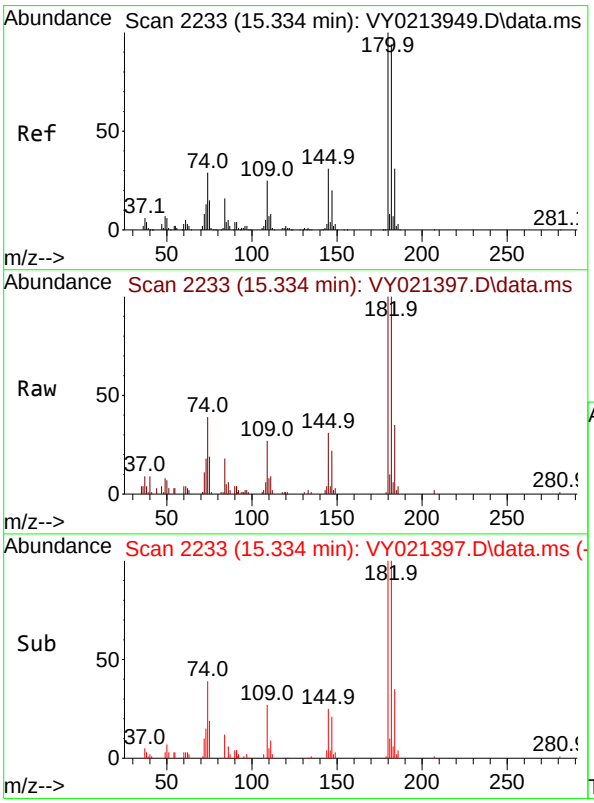
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	10.9	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

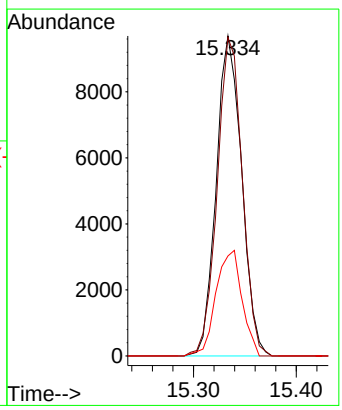
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 8.358 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:180 Resp: 16639

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.2	141.6
145	33.8	16.4	49.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021398.D
Acq On : 04 Mar 2025 10:09
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:58:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	234648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	364702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	318510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	158359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48282	19.468	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.940%#		
35) Dibromofluoromethane	7.640	113	45904	19.149	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.300%#		
50) Toluene-d8	10.109	98	172011	18.951	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	37.900%#		
62) 4-Bromofluorobenzene	12.407	95	57456	18.609	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	37.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39013	18.118	ug/l	99
3) Chloromethane	2.074	50	55232	18.193	ug/l	98
4) Vinyl Chloride	2.208	62	59949	18.070	ug/l	97
5) Bromomethane	2.598	94	42205	17.602	ug/l	97
6) Chloroethane	2.738	64	40060	18.272	ug/l	98
7) Trichlorofluoromethane	3.062	101	84097	18.161	ug/l	99
8) Diethyl Ether	3.458	74	23333	18.183	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.824	101	47597	18.003	ug/l	99
10) Methyl Iodide	4.007	142	48356	17.994	ug/l	99
11) Tert butyl alcohol	4.866	59	16988	91.100	ug/l	97
12) 1,1-Dichloroethene	3.799	96	43203	17.924	ug/l	96
13) Acrolein	3.659	56	20256	160.575	ug/l	90
14) Allyl chloride	4.397	41	69859	17.935	ug/l	99
15) Acrylonitrile	5.067	53	49390	90.413	ug/l	99
16) Acetone	3.872	43	42878	79.267	ug/l	97
17) Carbon Disulfide	4.110	76	133782	17.710	ug/l	98
18) Methyl Acetate	4.391	43	21340	17.780	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	110487	18.085	ug/l	97
20) Methylene Chloride	4.628	84	50462	17.772	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	48412	17.935	ug/l	98
22) Diisopropyl ether	6.024	45	157248	18.732	ug/l	96
23) Vinyl Acetate	5.970	43	439671	91.773	ug/l	99
24) 1,1-Dichloroethane	5.921	63	89625	18.090	ug/l	98
25) 2-Butanone	6.902	43	63994	85.523	ug/l	92
26) 2,2-Dichloropropane	6.890	77	80697	17.702	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	55597	18.130	ug/l	99
28) Bromochloromethane	7.250	49	39711	19.118	ug/l	98
29) Tetrahydrofuran	7.274	42	41984	90.885	ug/l	98
30) Chloroform	7.427	83	93077	18.092	ug/l	98
31) Cyclohexane	7.707	56	83067	17.884	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	83884	17.807	ug/l	99
36) 1,1-Dichloropropene	7.841	75	67437	17.972	ug/l	98
37) Ethyl Acetate	6.988	43	30017m	17.733	ug/l	
38) Carbon Tetrachloride	7.823	117	78440	18.176	ug/l	99
39) Methylcyclohexane	9.115	83	80192	17.422	ug/l	100
40) Benzene	8.085	78	199273	18.027	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021398.D
Acq On : 04 Mar 2025 10:09
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:58:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	15135	16.416	ug/l	#	77
42) 1,2-Dichloroethane	8.164	62	56356	18.224	ug/l		100
43) Isopropyl Acetate	8.201	43	56260	17.474	ug/l	#	87
44) Trichloroethene	8.865	130	50961	18.244	ug/l		97
45) 1,2-Dichloropropane	9.146	63	48565	18.460	ug/l		93
46) Dibromomethane	9.231	93	26972	18.426	ug/l		99
47) Bromodichloromethane	9.426	83	70770	18.205	ug/l		99
48) Methyl methacrylate	9.225	41	26835	17.976	ug/l		97
49) 1,4-Dioxane	9.237	88	5448	379.181	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	147076	88.535	ug/l		99
52) Toluene	10.176	92	124450	17.858	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	61342	17.911	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	72678	17.873	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	34630	18.085	ug/l		98
56) Ethyl methacrylate	10.444	69	42134	17.253	ug/l		99
57) 1,3-Dichloropropane	10.719	76	61443	18.514	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	101217	89.786	ug/l		100
59) 2-Hexanone	10.768	43	94397	85.937	ug/l		98
60) Dibromochloromethane	10.914	129	47714	18.176	ug/l		98
61) 1,2-Dibromoethane	11.017	107	32927	18.220	ug/l		96
64) Tetrachloroethene	10.652	164	47121	18.193	ug/l		97
65) Chlorobenzene	11.444	112	135648	18.035	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	47998	18.050	ug/l		99
67) Ethyl Benzene	11.523	91	232468	17.609	ug/l		99
68) m/p-Xylenes	11.633	106	179664	35.847	ug/l		99
69) o-Xylene	11.956	106	80909	17.516	ug/l		98
70) Styrene	11.975	104	138147	18.027	ug/l		99
71) Bromoform	12.133	173	27186	18.288	ug/l	#	99
73) Isopropylbenzene	12.255	105	219699	17.612	ug/l		99
74) N-amyl acetate	12.072	43	47062	17.372	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	40373	18.341	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	27215m	17.055	ug/l		
77) Bromobenzene	12.536	156	52163	17.874	ug/l		97
78) n-propylbenzene	12.596	91	269961	17.819	ug/l		99
79) 2-Chlorotoluene	12.682	91	155109	17.906	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	183398	18.091	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	12253	17.456	ug/l		98
82) 4-Chlorotoluene	12.779	91	160509	17.893	ug/l		99
83) tert-Butylbenzene	12.999	119	157912	17.461	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	183733	18.254	ug/l		100
85) sec-Butylbenzene	13.182	105	243719	18.113	ug/l		100
86) p-Isopropyltoluene	13.298	119	198423	17.900	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	103878	17.882	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	102862	18.106	ug/l		100
89) n-Butylbenzene	13.621	91	181603	17.741	ug/l		99
90) Hexachloroethane	13.883	117	41098	17.379	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	90658	18.208	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5850	17.741	ug/l		92
93) 1,2,4-Trichlorobenzene	14.925	180	46578	17.127	ug/l		100
94) Hexachlorobutadiene	15.029	225	30431	17.851	ug/l		98
95) Naphthalene	15.145	128	72734	17.845	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	38873	16.996	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021398.D
Acq On : 04 Mar 2025 10:09
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:58:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

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

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

ICAL Form

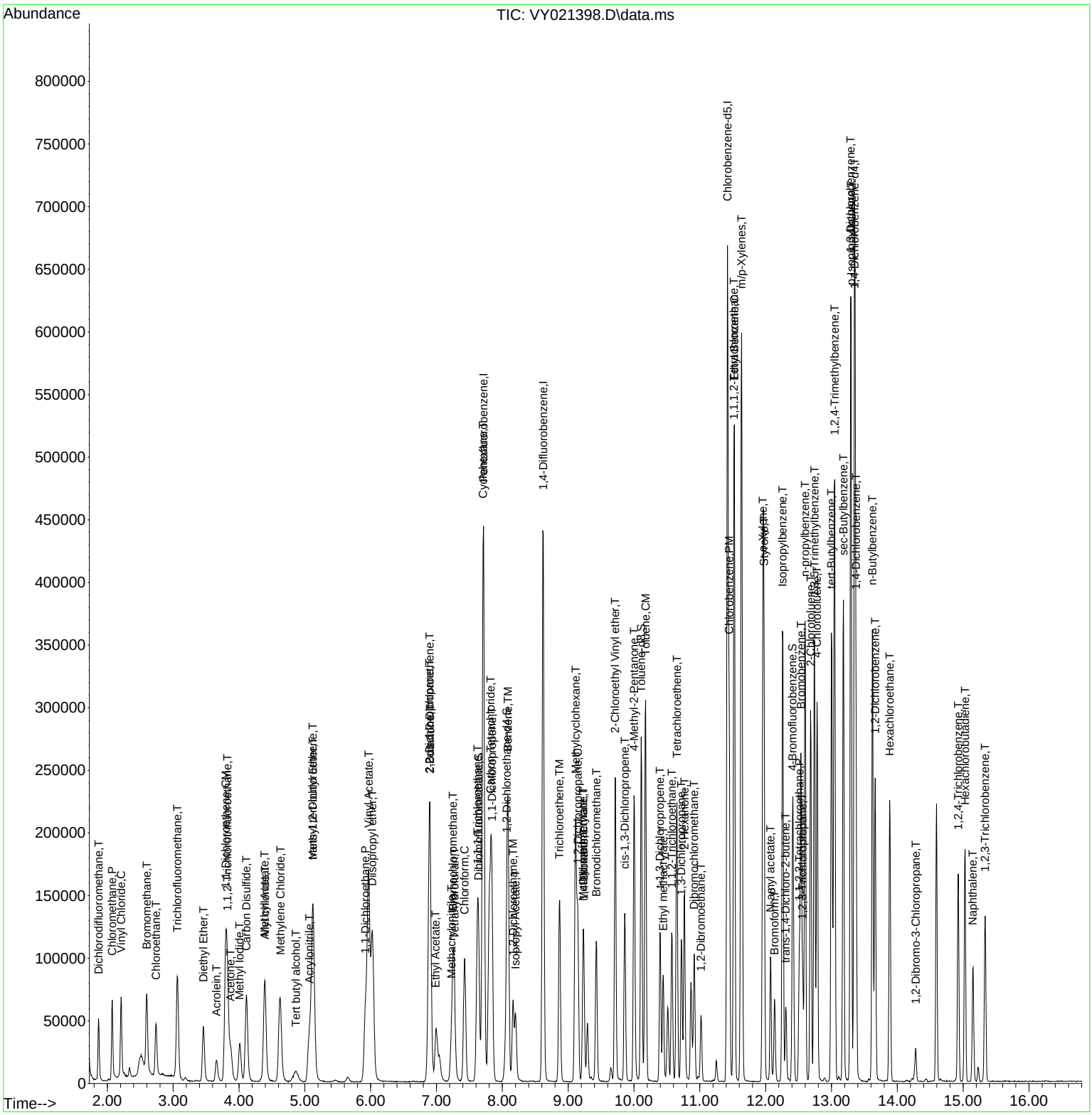
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021398.D
Acq On : 04 Mar 2025 10:09
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

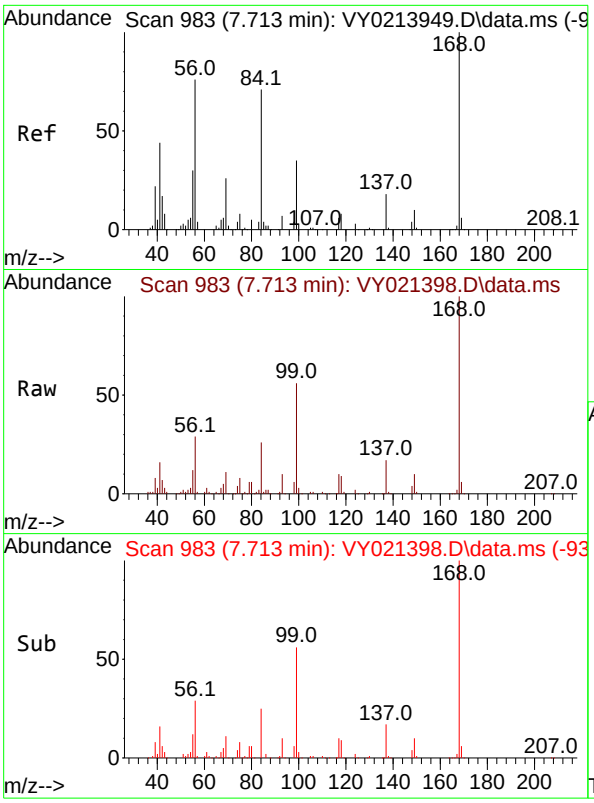
Quant Time: Mar 05 02:58:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

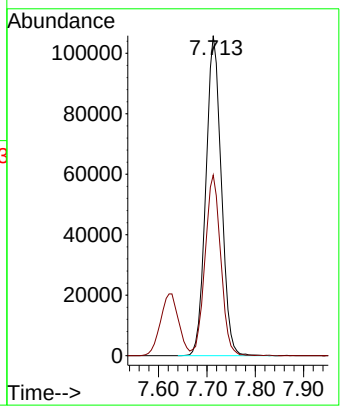




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:168 Resp: 23464

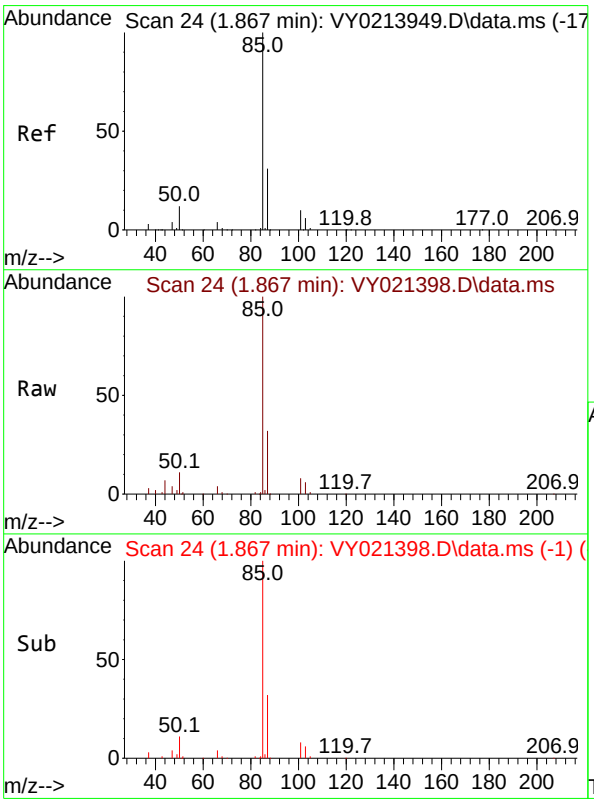
Ion	Ratio	Lower	Upper
168	100		
99	56.5	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

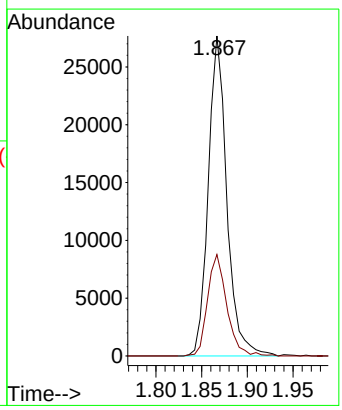
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

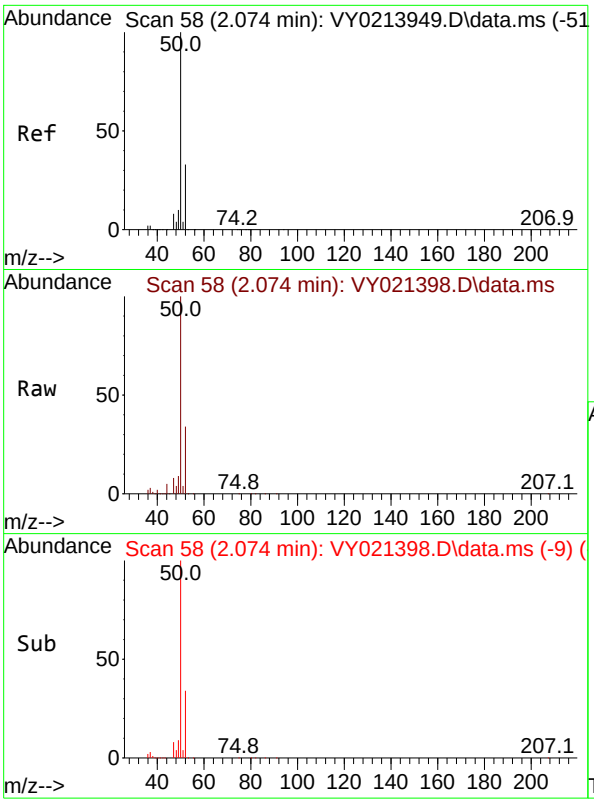


#2
Dichlorodifluoromethane
Concen: 18.118 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 85 Resp: 39013

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.7	47.0

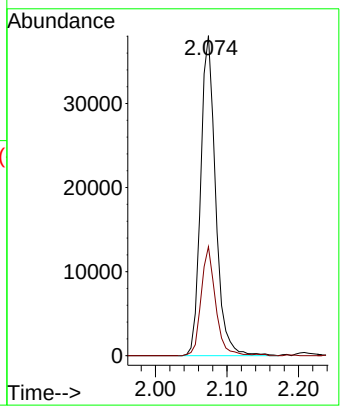




#3
Chloromethane
Concen: 18.193 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 50 Resp: 5523

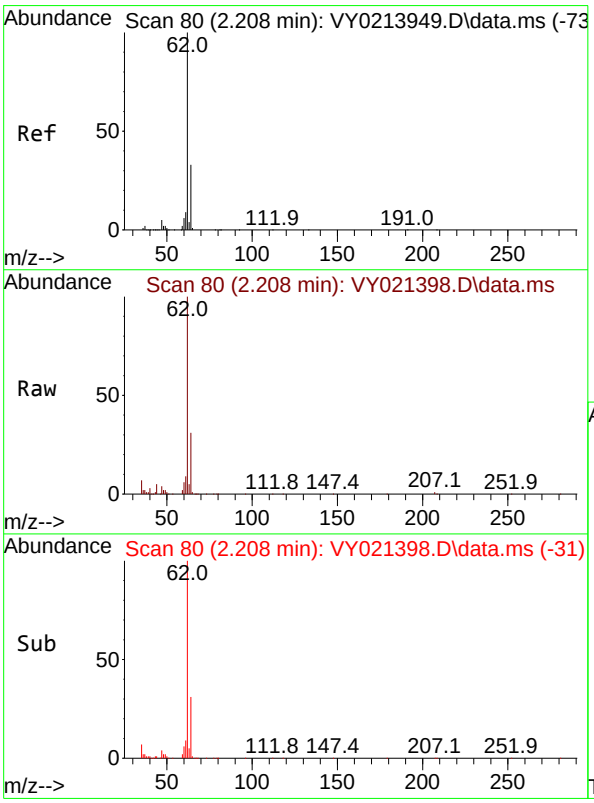
Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

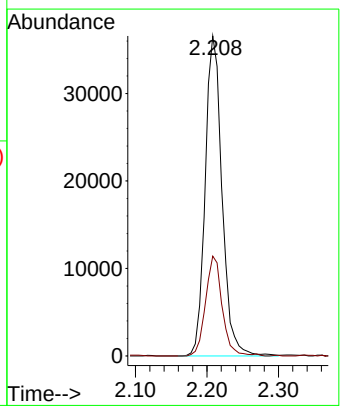
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

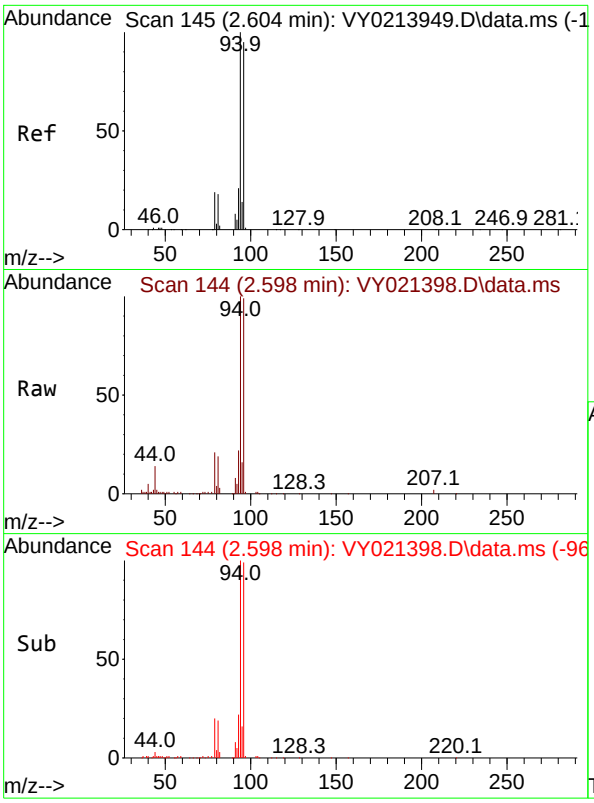


#4
Vinyl Chloride
Concen: 18.070 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 62 Resp: 59949

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.2	39.2

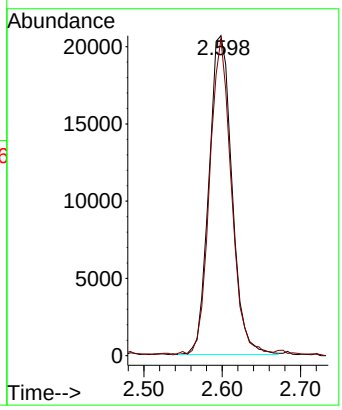




#5
Bromomethane
Concen: 17.602 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 94 Resp: 4220

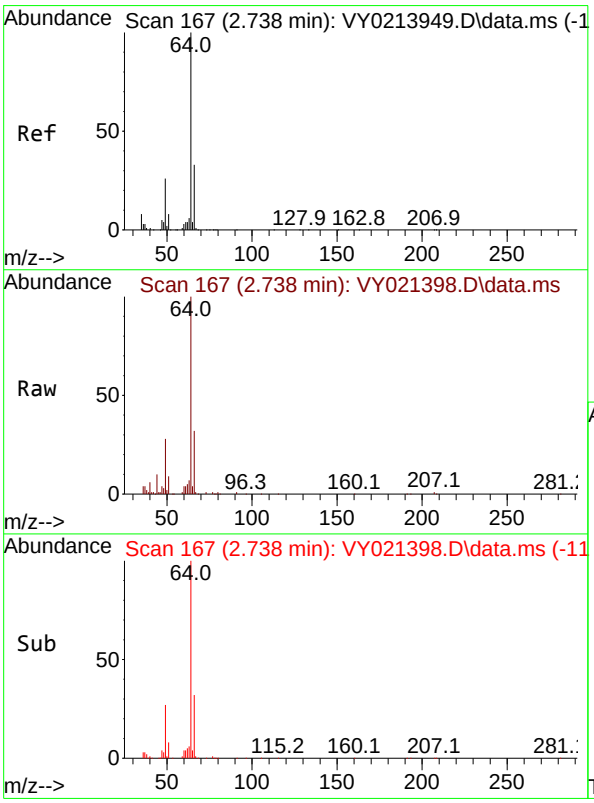
Ion	Ratio	Lower	Upper
94	100		
96	98.6	76.3	114.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

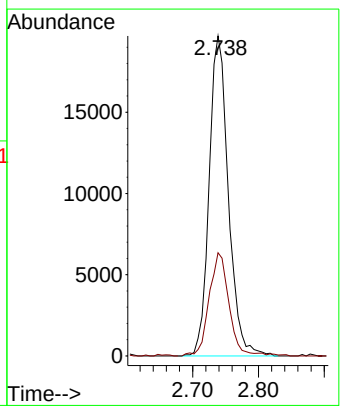
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

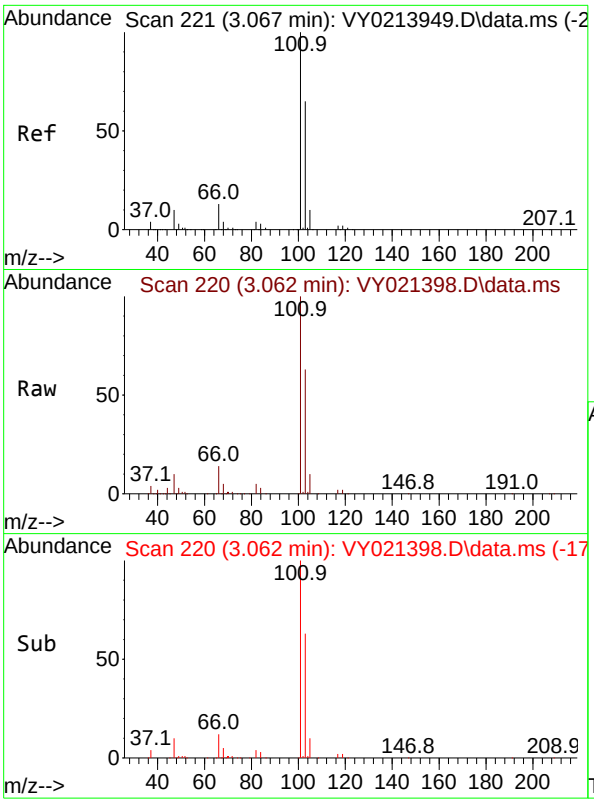


#6
Chloroethane
Concen: 18.272 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 64 Resp: 40060

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.7	40.1





#7
Trichlorofluoromethane
Concen: 18.161 ug/l
RT: 3.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

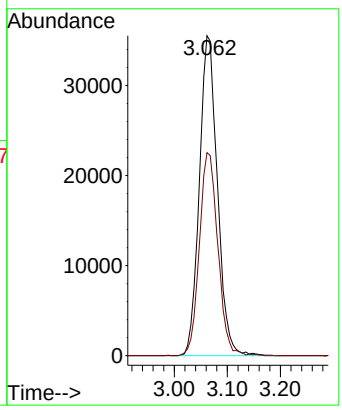
Tgt Ion:101 Resp: 8409

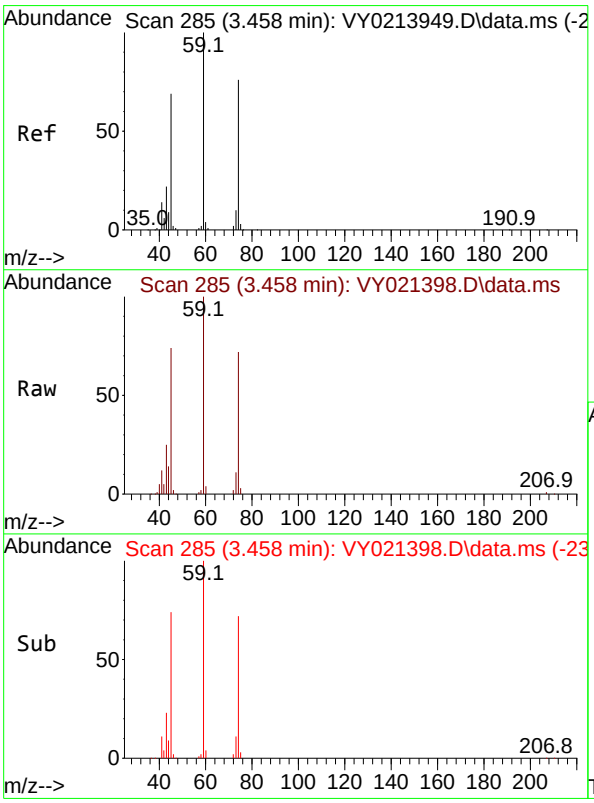
Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

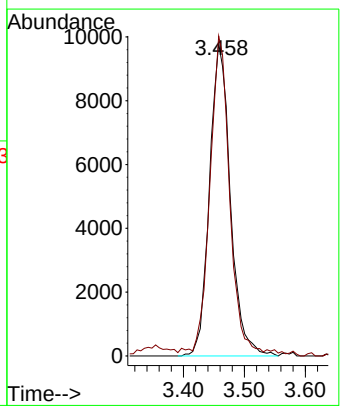


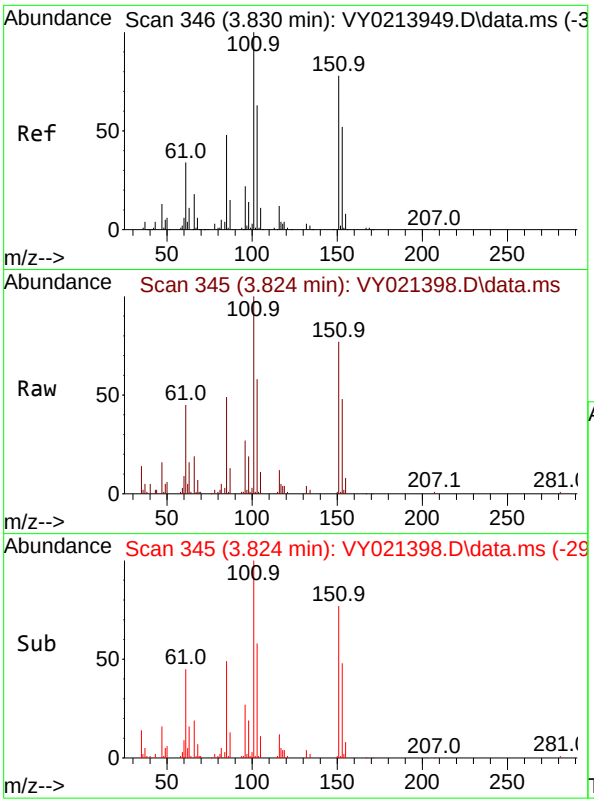


#8
Diethyl Ether
Concen: 18.183 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 74 Resp: 23333

Ion	Ratio	Lower	Upper
74	100		
45	95.1	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.003 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

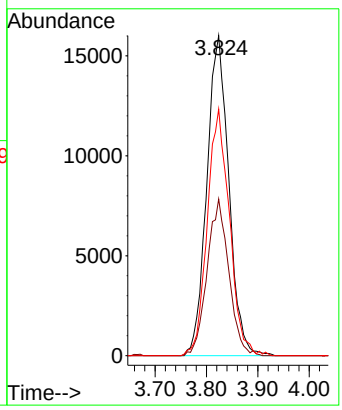
Tgt Ion:101 Resp: 4759

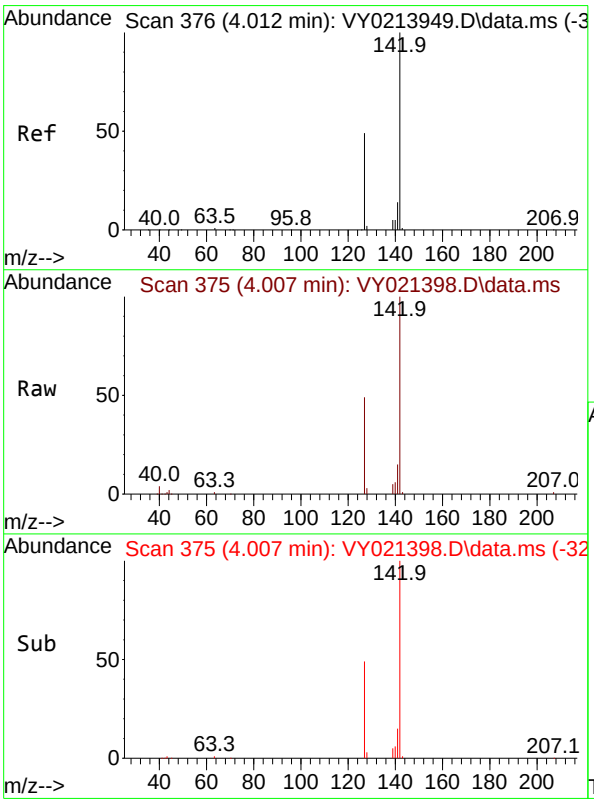
Ion	Ratio	Lower	Upper
101	100		
85	48.2	37.1	55.7
151	77.8	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

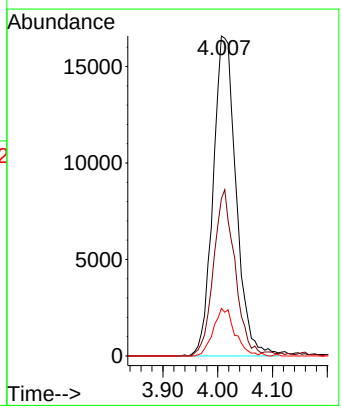


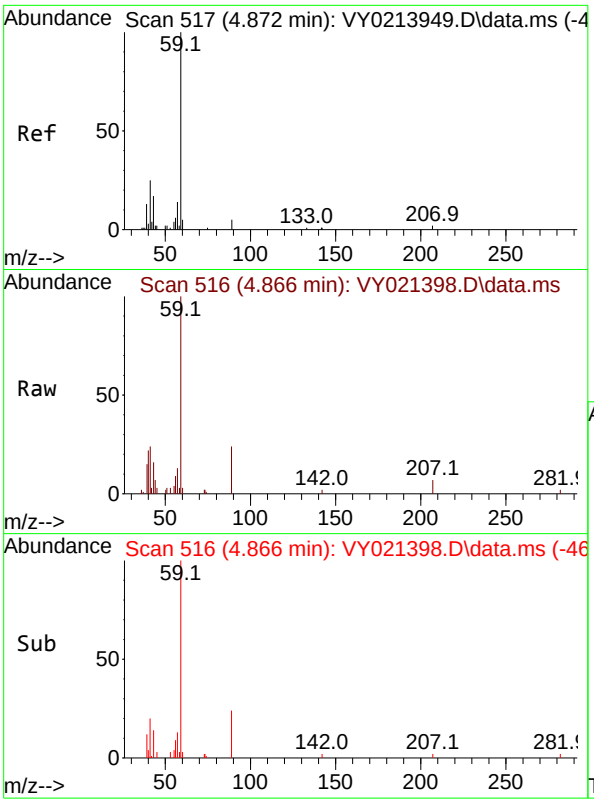


#10
Methyl Iodide
Concen: 17.994 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:142 Resp: 48356

Ion	Ratio	Lower	Upper
142	100		
127	48.5	39.1	58.7
141	14.1	11.8	17.6

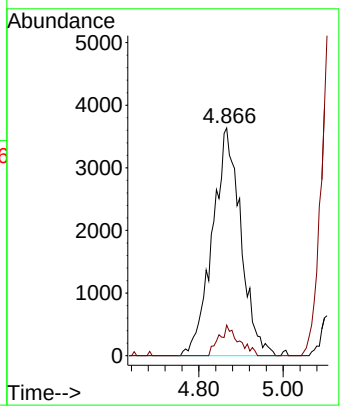




#11
Tert butyl alcohol
Concen: 91.100 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 59 Resp: 1698

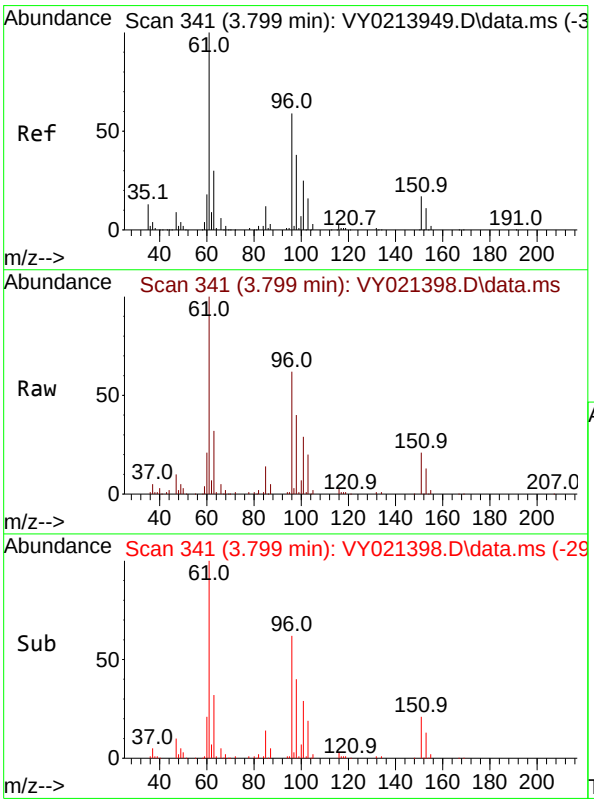
Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.2	12.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

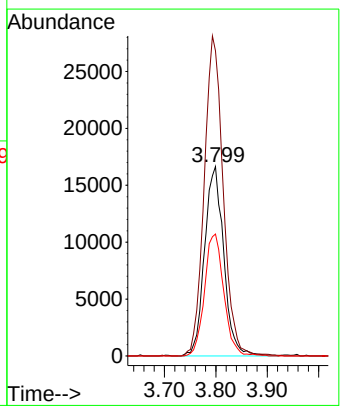
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

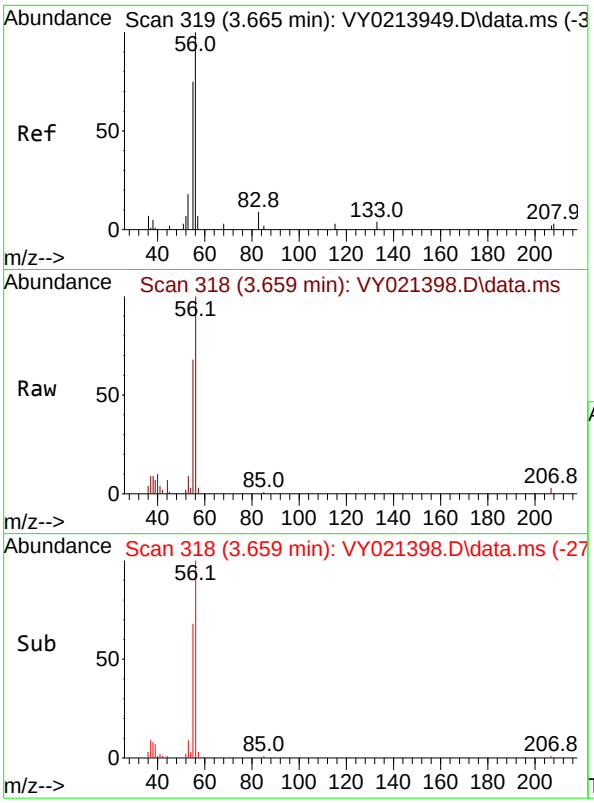


#12
1,1-Dichloroethene
Concen: 17.924 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 96 Resp: 43203

Ion	Ratio	Lower	Upper
96	100		
61	161.1	135.2	202.8
98	64.4	51.4	77.2





#13
Acrolein
Concen: 160.575 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

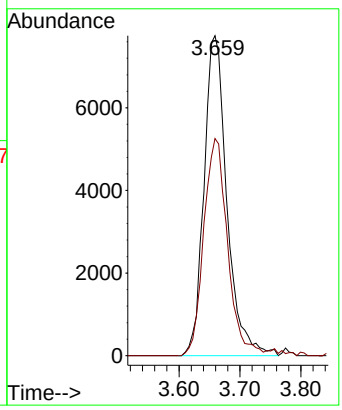
Tgt Ion: 56 Resp: 2025

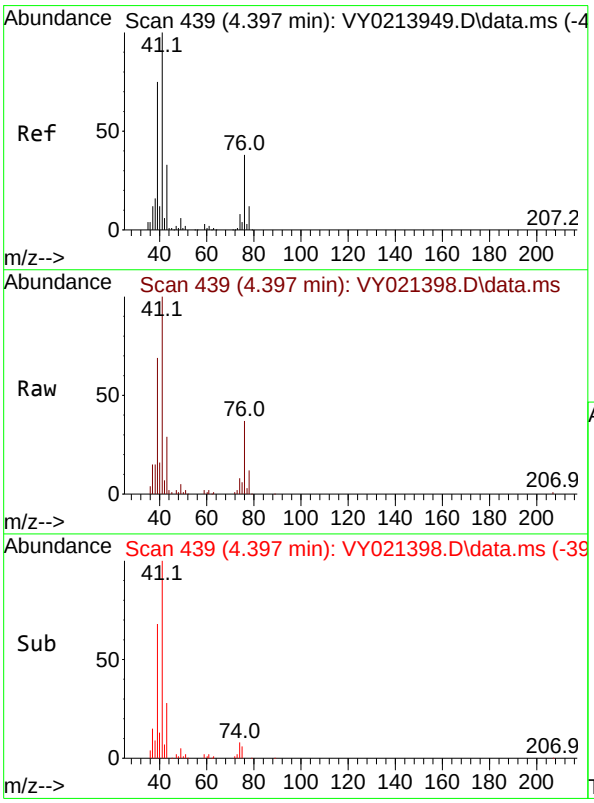
Ion	Ratio	Lower	Upper
56	100		
55	70.4	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

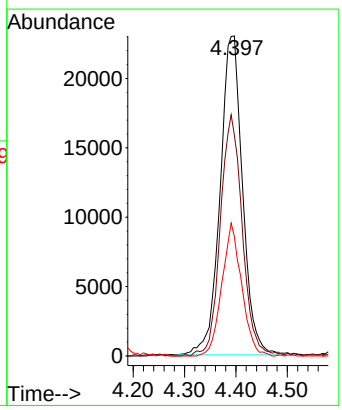


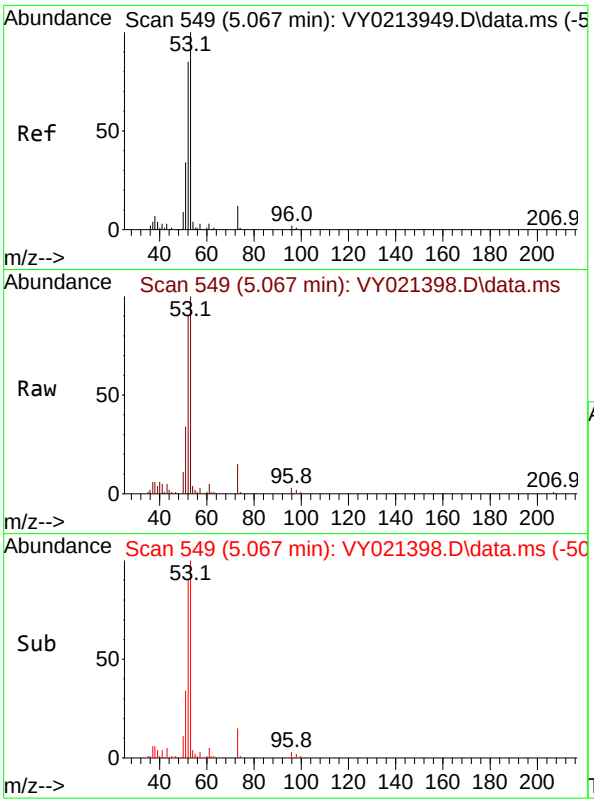


#14
Allyl chloride
Concen: 17.935 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 41 Resp: 69859

Ion	Ratio	Lower	Upper
41	100		
39	73.8	59.3	88.9
76	36.7	29.8	44.8





#15
Acrylonitrile
Concen: 90.413 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

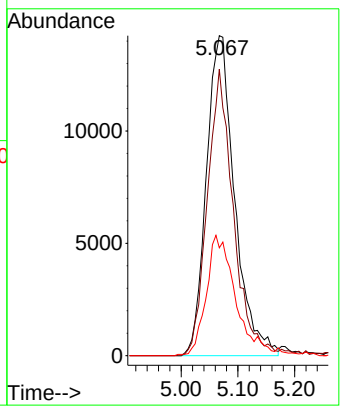
Tgt Ion: 53 Resp: 4939

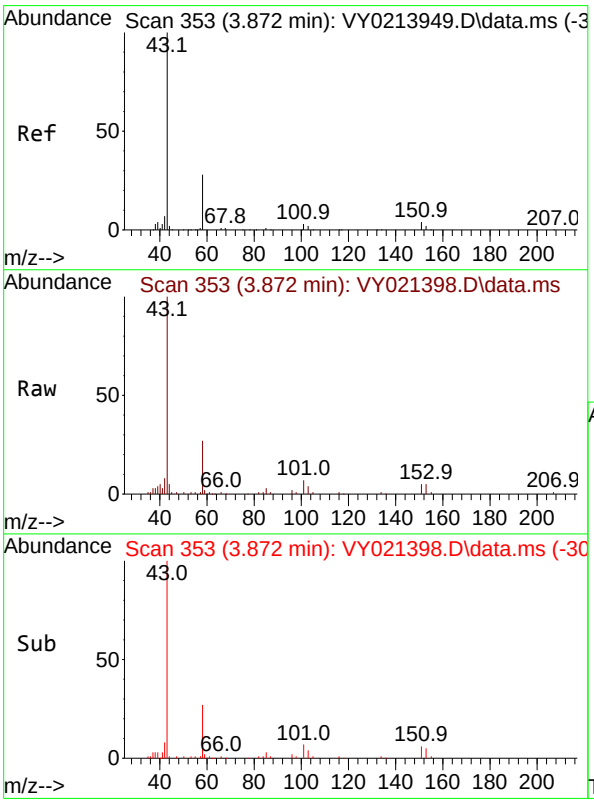
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.3	99.5
51	38.6	30.3	45.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

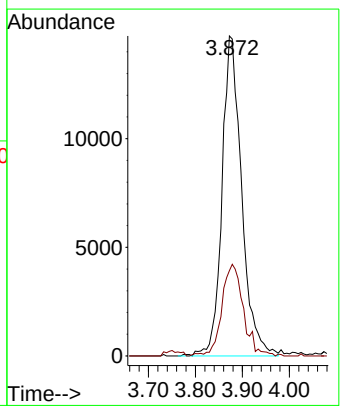


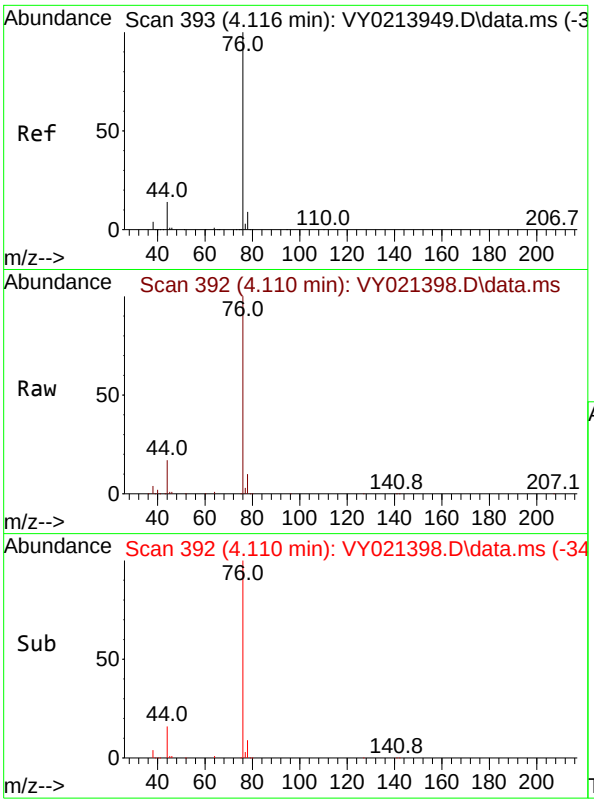


#16
Acetone
Concen: 79.267 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 43 Resp: 42878

Ion	Ratio	Lower	Upper
43	100		
58	26.1	22.1	33.1





#17
Carbon Disulfide
Concen: 17.710 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

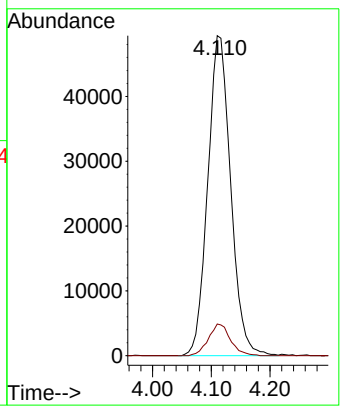
Tgt Ion: 76 Resp: 13378

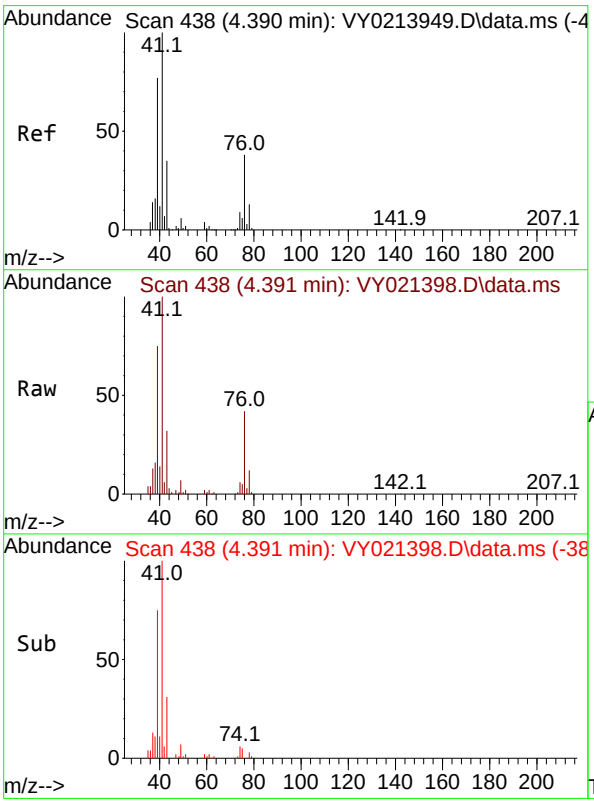
Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

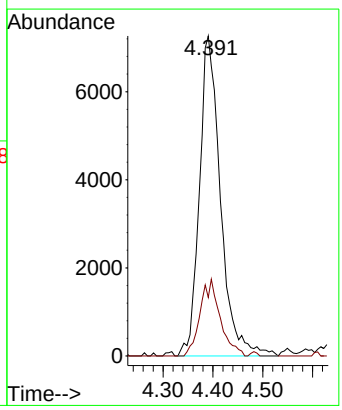


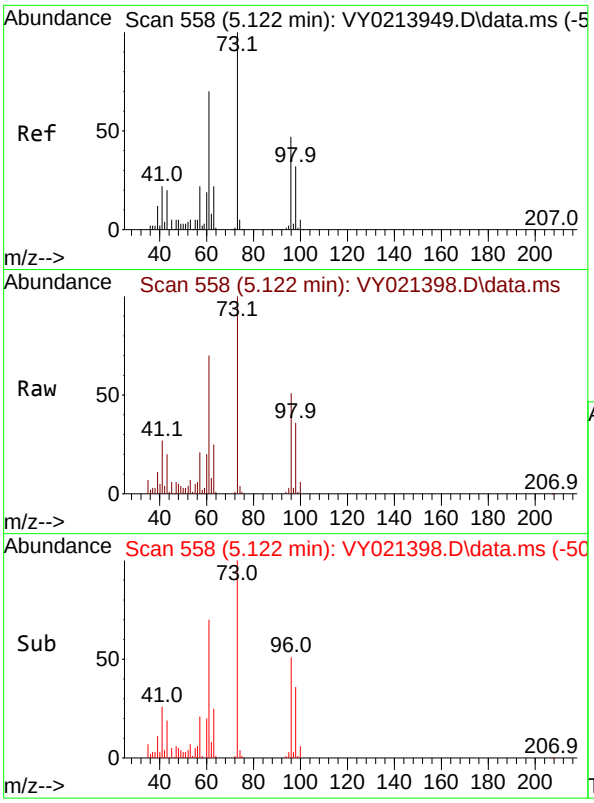


#18
Methyl Acetate
Concen: 17.780 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 43 Resp: 21340

Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.4	29.0

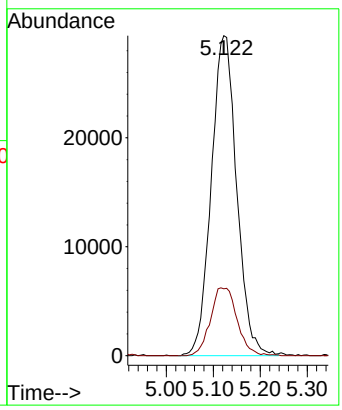




#19
Methyl tert-butyl Ether
Concen: 18.085 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 73 Resp: 11048

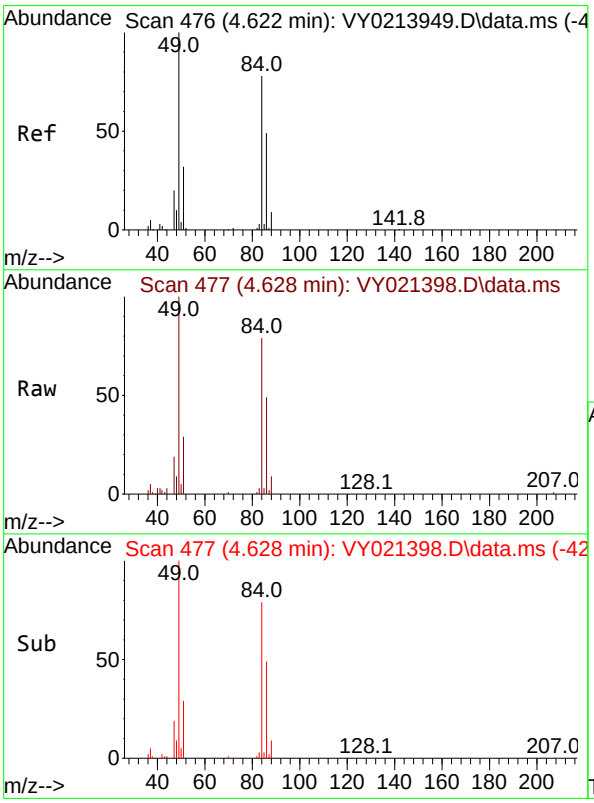
Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

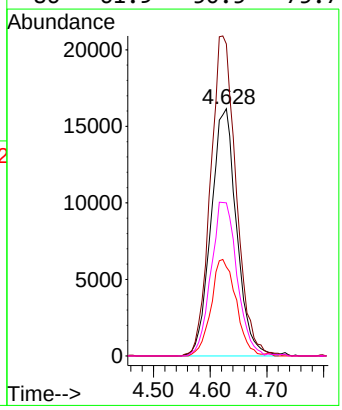
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

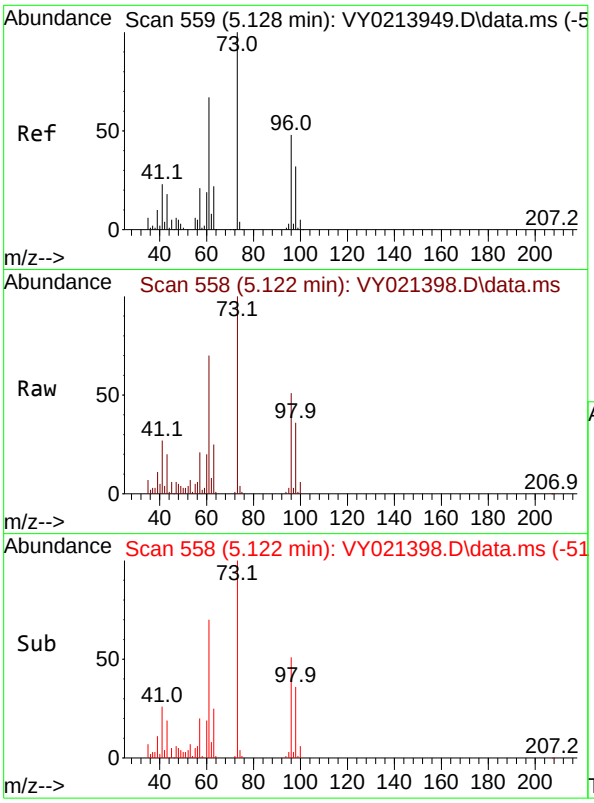


#20
Methylene Chloride
Concen: 17.772 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 84 Resp: 50462

Ion	Ratio	Lower	Upper
84	100		
49	126.3	102.0	153.0
51	36.0	33.0	49.6
86	61.9	50.5	75.7

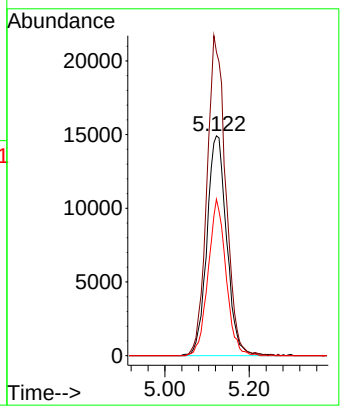




#21
trans-1,2-Dichloroethene
Concen: 17.935 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 96 Resp: 4841

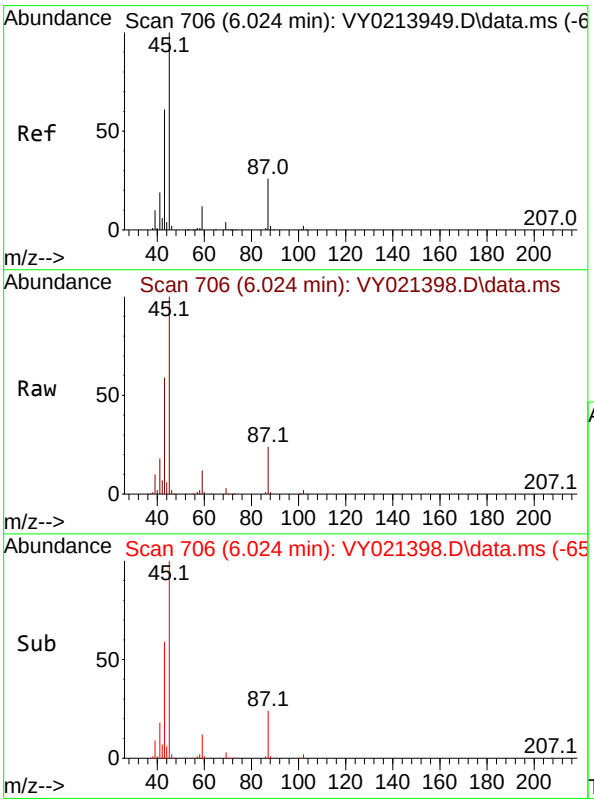
Ion	Ratio	Lower	Upper
96	100		
61	138.1	111.5	167.3
98	71.2	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

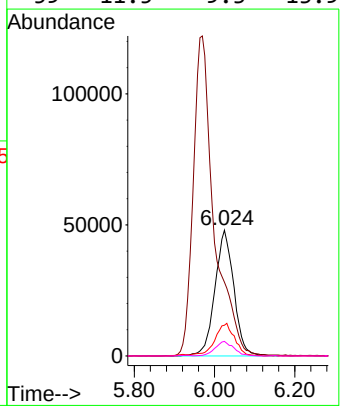
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

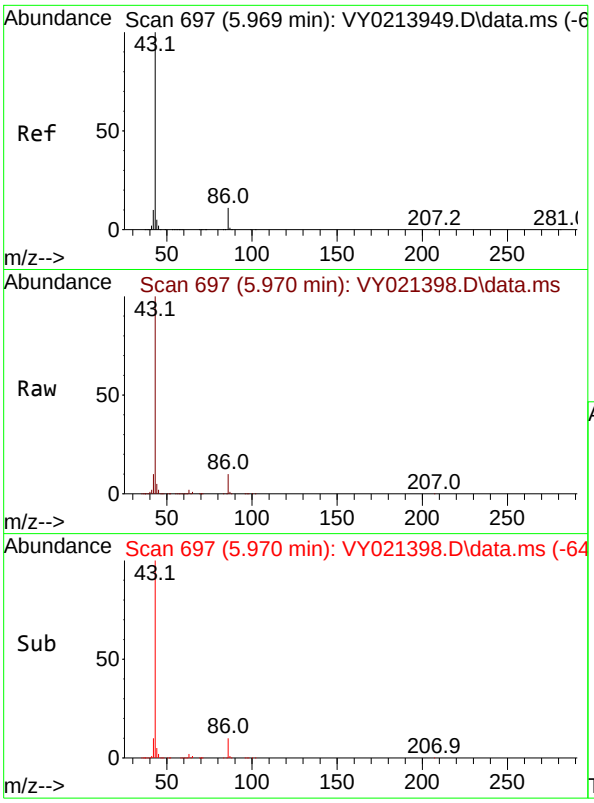


#22
Diisopropyl ether
Concen: 18.732 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 45 Resp: 157248

Ion	Ratio	Lower	Upper
45	100		
43	58.0	48.7	73.1
87	24.4	21.5	32.3
59	11.5	9.3	13.9





#23
Vinyl Acetate
Concen: 91.773 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

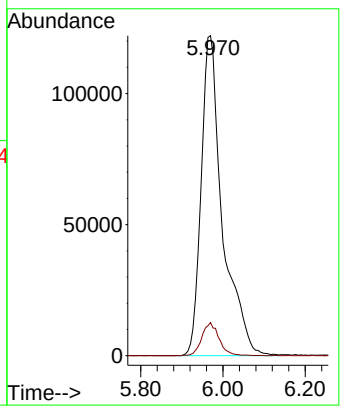
Tgt Ion: 43 Resp: 43967

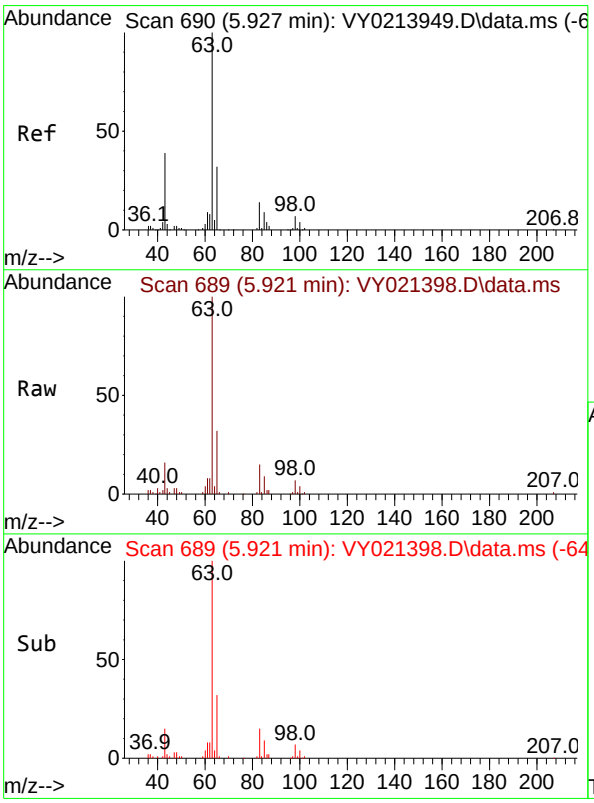
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

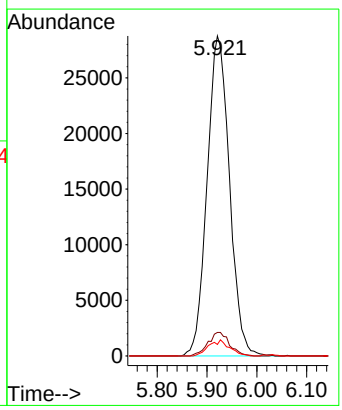


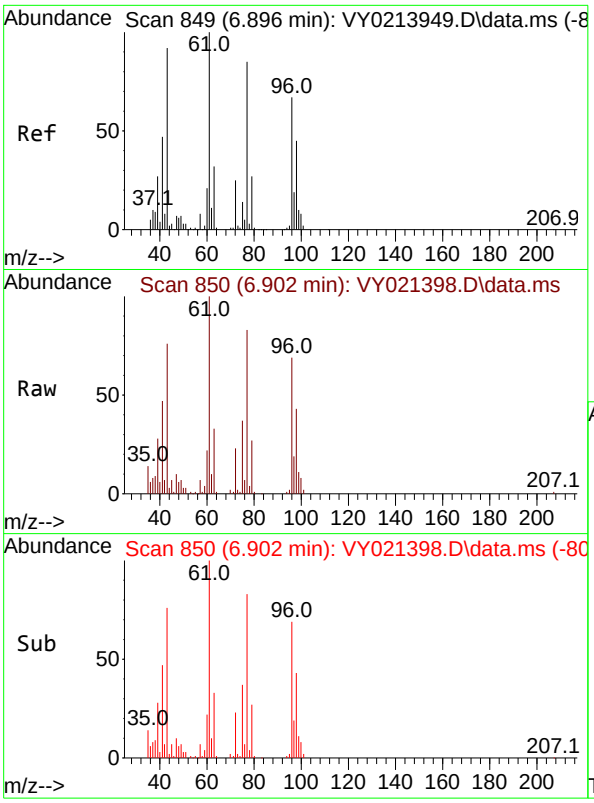


#24
1,1-Dichloroethane
Concen: 18.090 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 63 Resp: 89625

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.9
100	3.6	2.1	6.5





#25
2-Butanone
Concen: 85.523 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

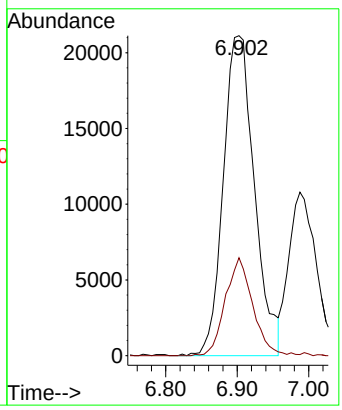
Tgt Ion: 43 Resp: 6399

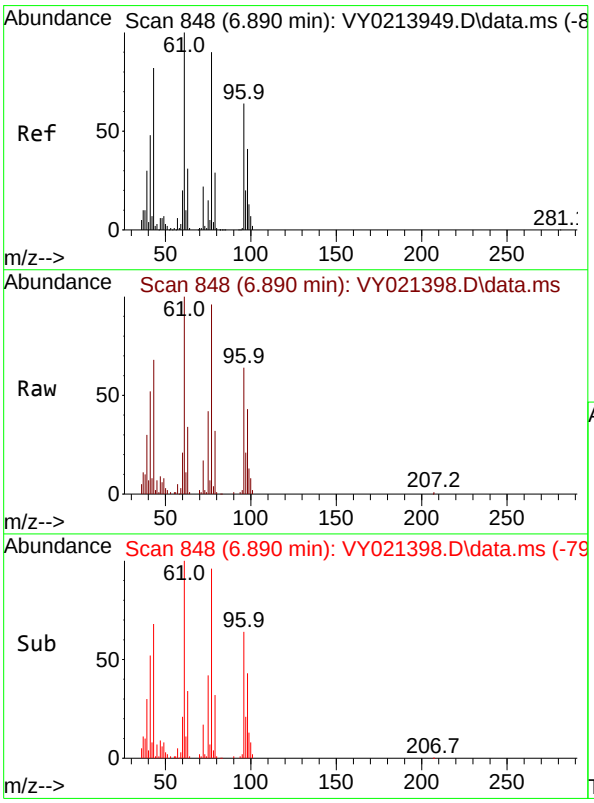
Ion	Ratio	Lower	Upper
43	100		
72	30.6	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

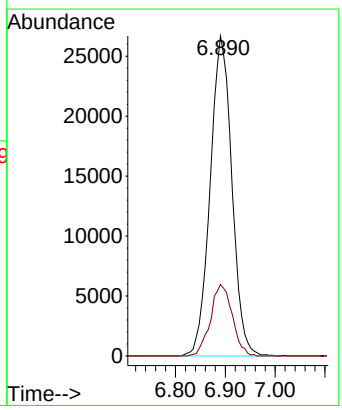


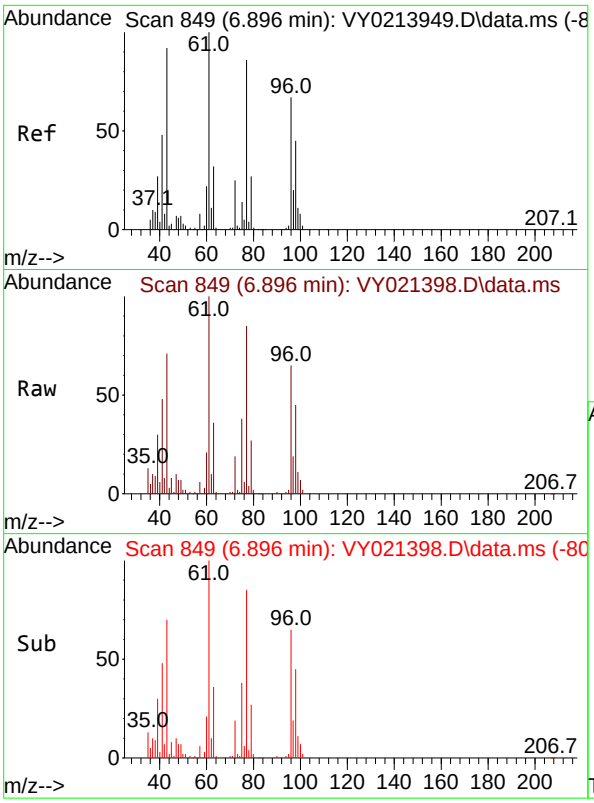


#26
2,2-Dichloropropane
Concen: 17.702 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 77 Resp: 80697

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 18.130 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

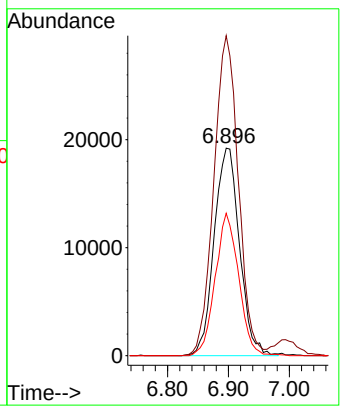
Tgt Ion: 96 Resp: 5559

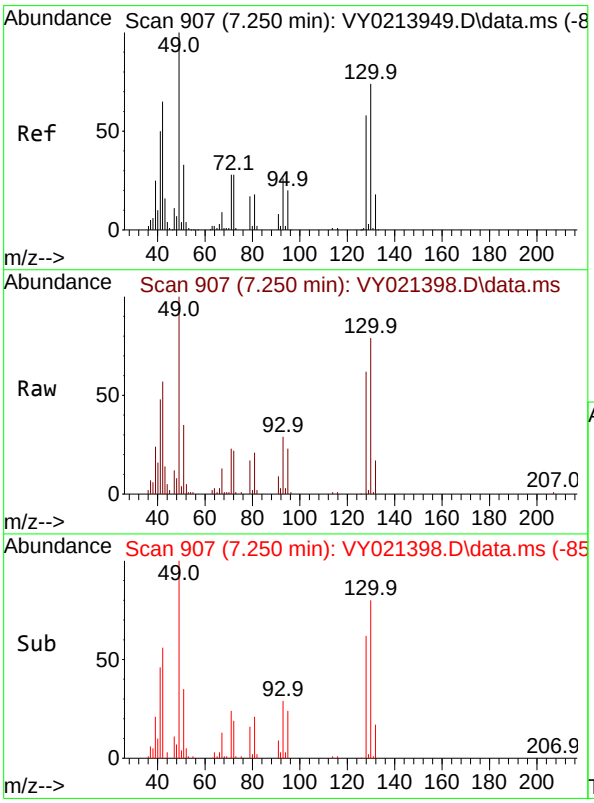
Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	300.8
98	63.5	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

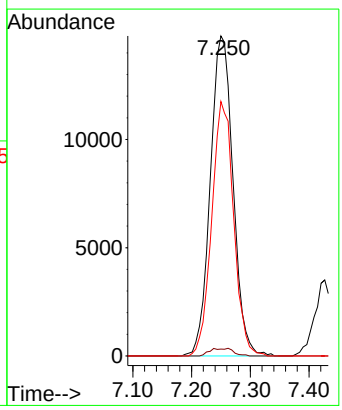


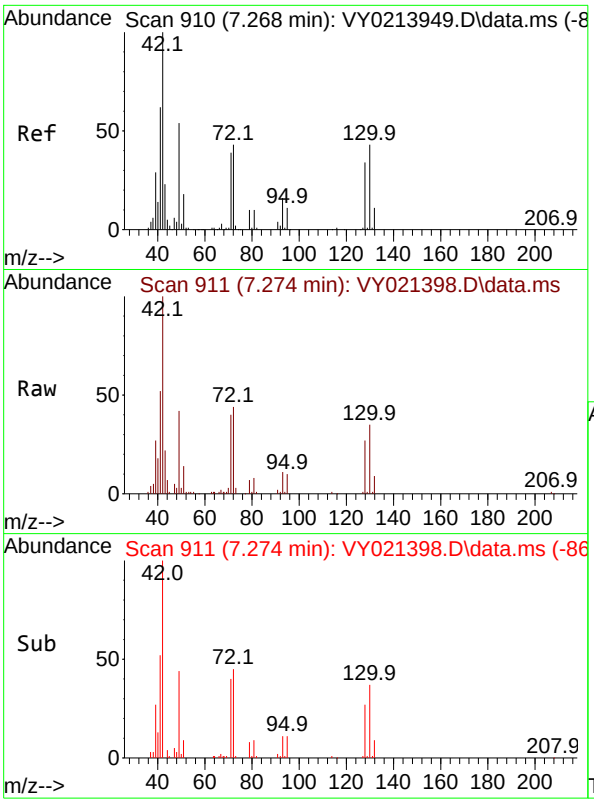


#28
Bromochloromethane
Concen: 19.118 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 49 Resp: 39711

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	76.6	59.6	89.4

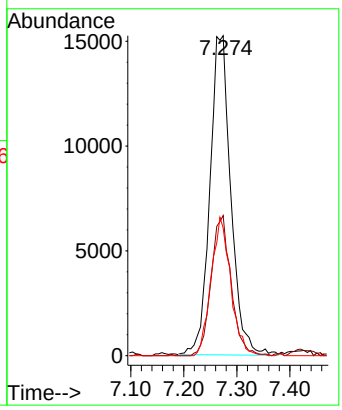




#29
Tetrahydrofuran
Concen: 90.885 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 42 Resp: 4198

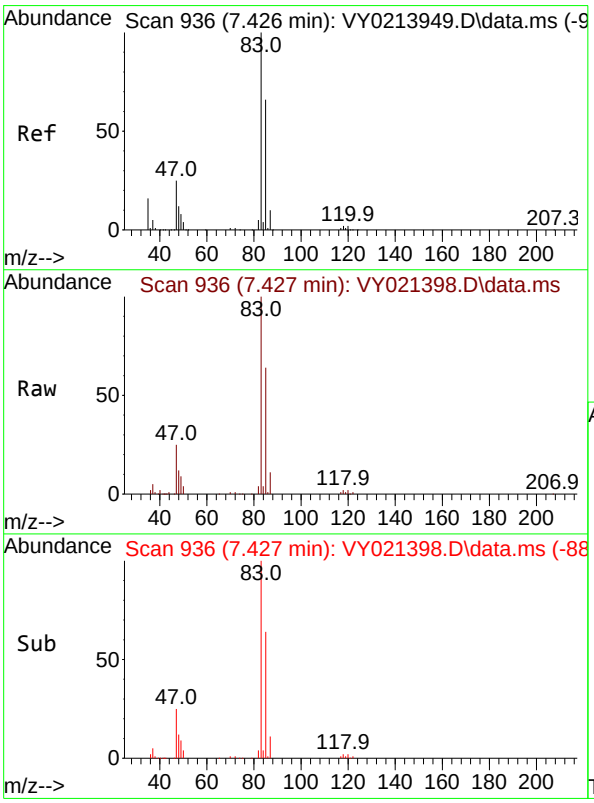
Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.8	52.2
71	40.4	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

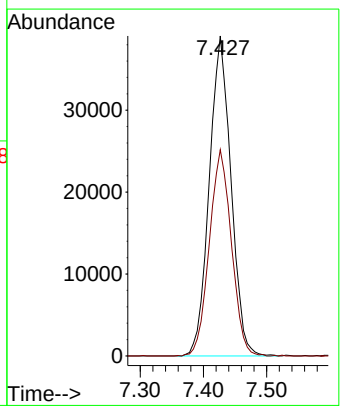
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

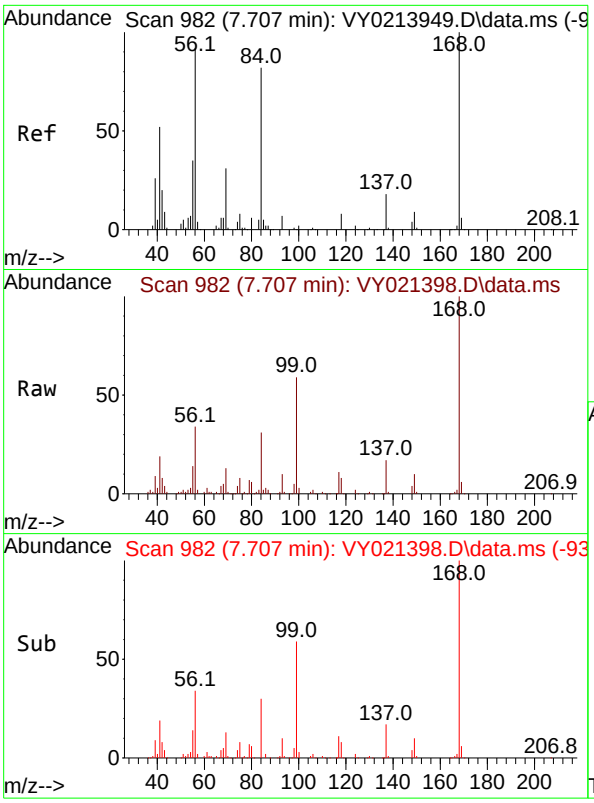


#30
Chloroform
Concen: 18.092 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 83 Resp: 93077

Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.1	79.7

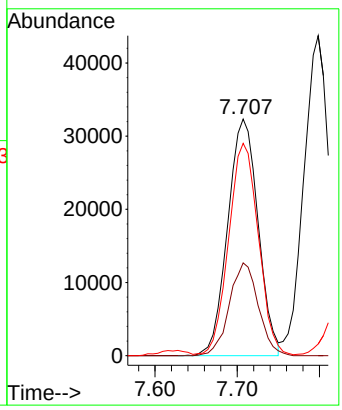




#31
Cyclohexane
Concen: 17.884 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 56 Resp: 8306

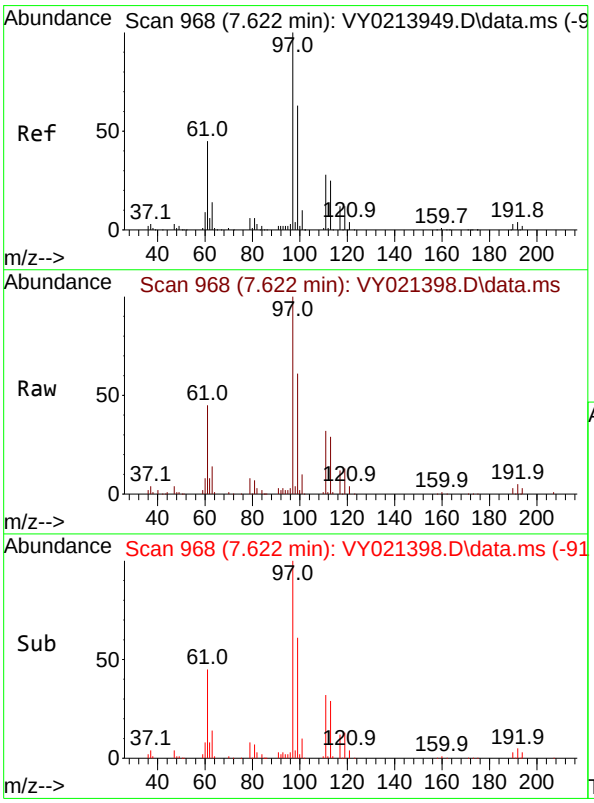
Ion	Ratio	Lower	Upper
56	100		
69	39.2	27.0	40.4
84	87.2	71.1	106.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

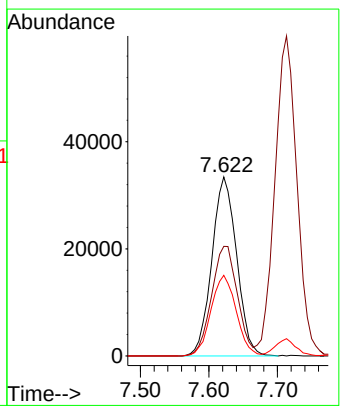
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

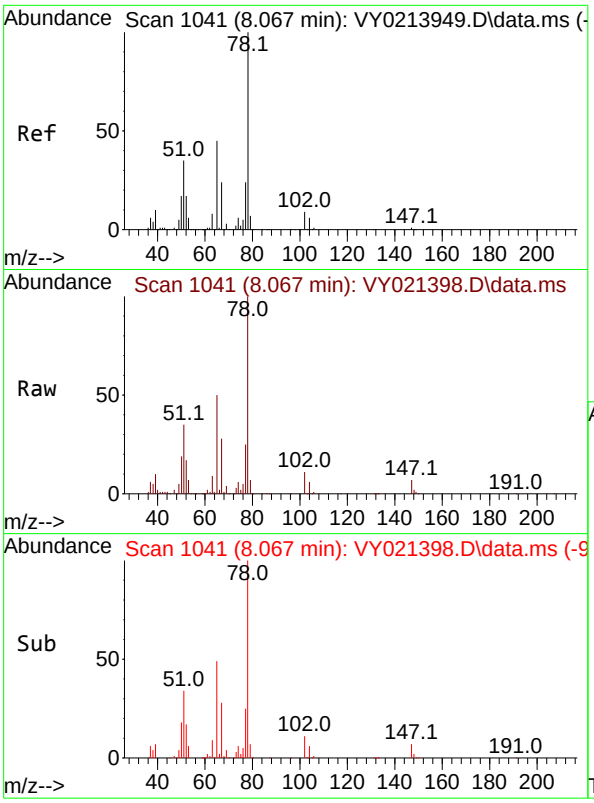


#32
1,1,1-Trichloroethane
Concen: 17.807 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 97 Resp: 83884

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	46.0	35.7	53.5





#33
1,2-Dichloroethane-d4
Concen: 19.468 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

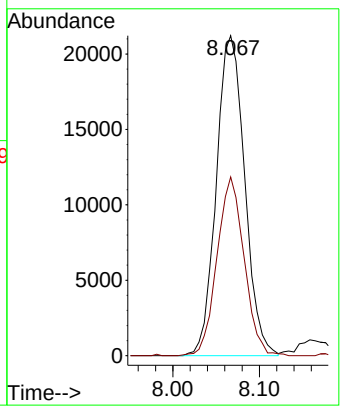
Tgt Ion: 65 Resp: 4828

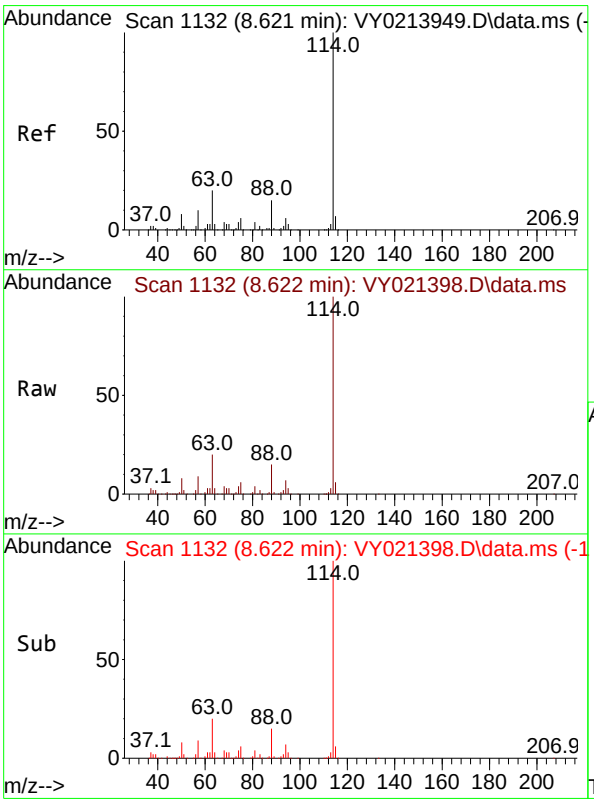
Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	102.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

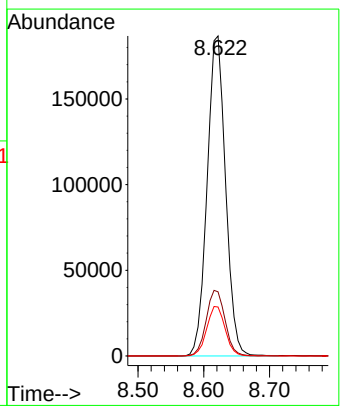


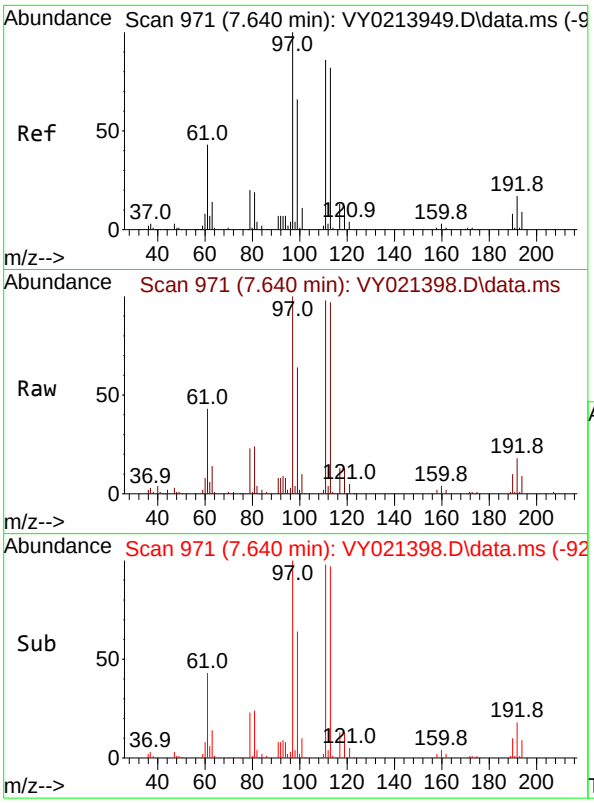


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:114 Resp: 364702

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	15.3	0.0	30.8

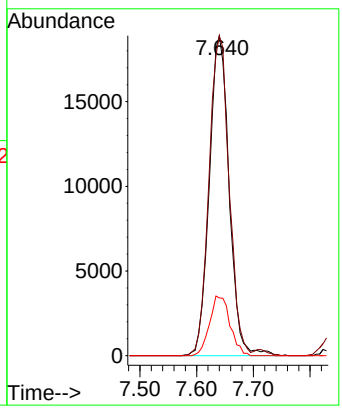




#35
Dibromofluoromethane
Concen: 19.149 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:113 Resp: 4590

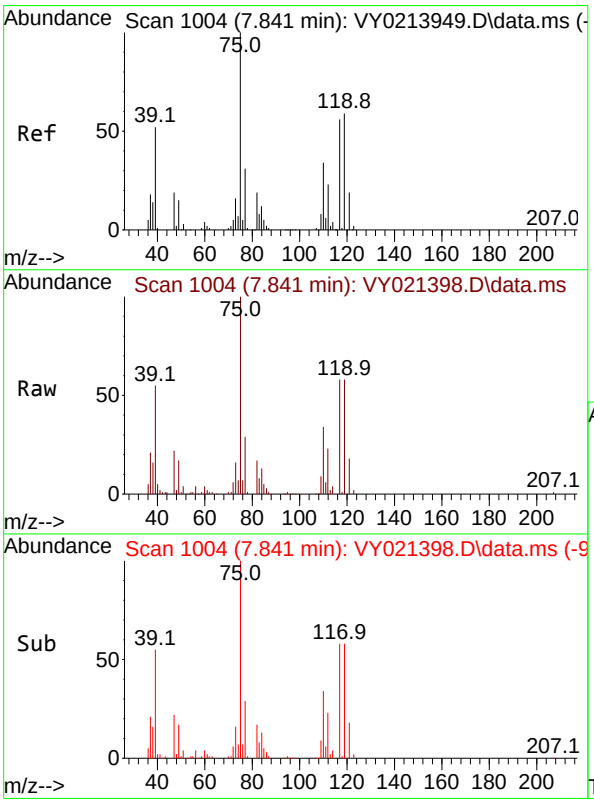
Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.0	123.0
192	19.2	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

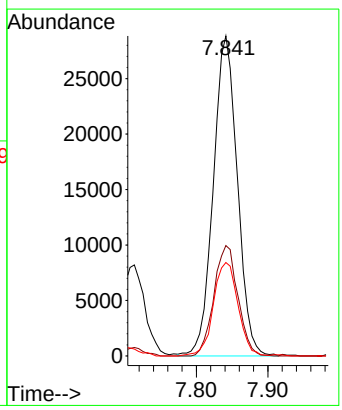
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

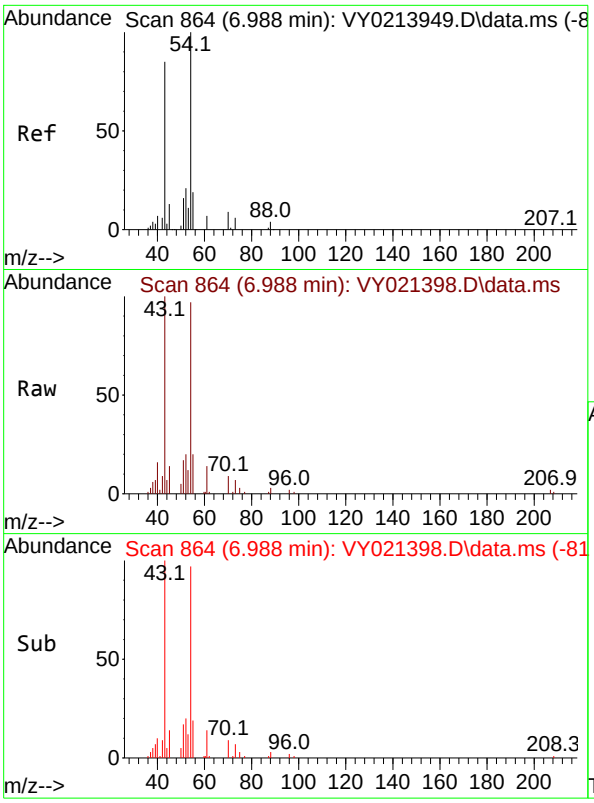


#36
1,1-Dichloropropene
Concen: 17.972 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 75 Resp: 67437

Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.3	51.7
77	29.9	25.4	38.2

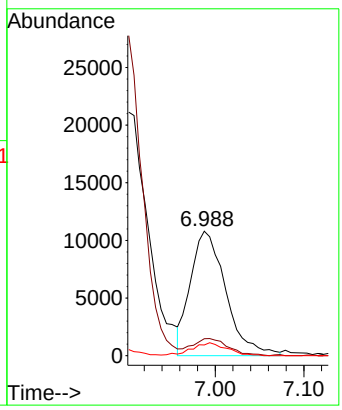




#37
Ethyl Acetate
Concen: 17.733 ug/l m
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 43 Resp: 3001

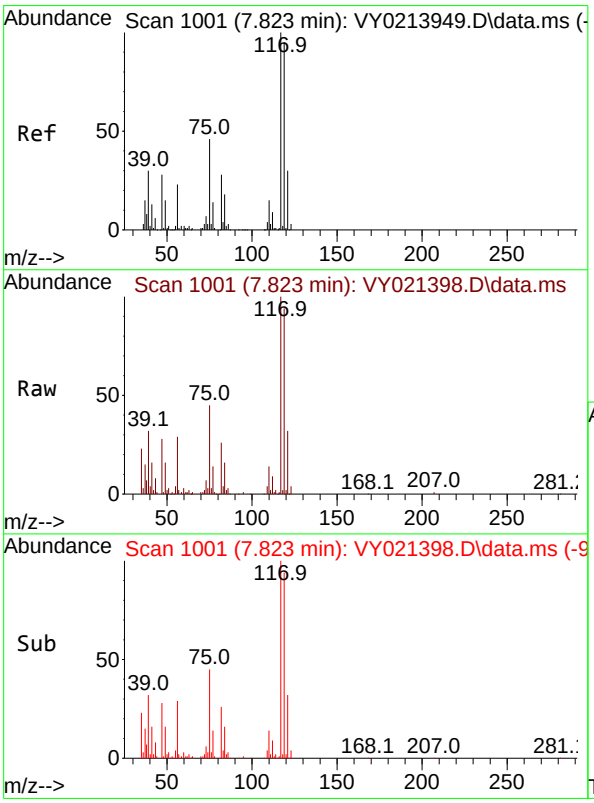
Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.4	17.0
70	10.3	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

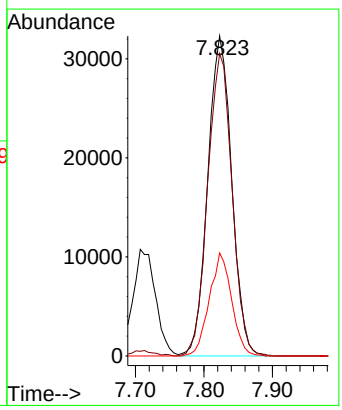
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

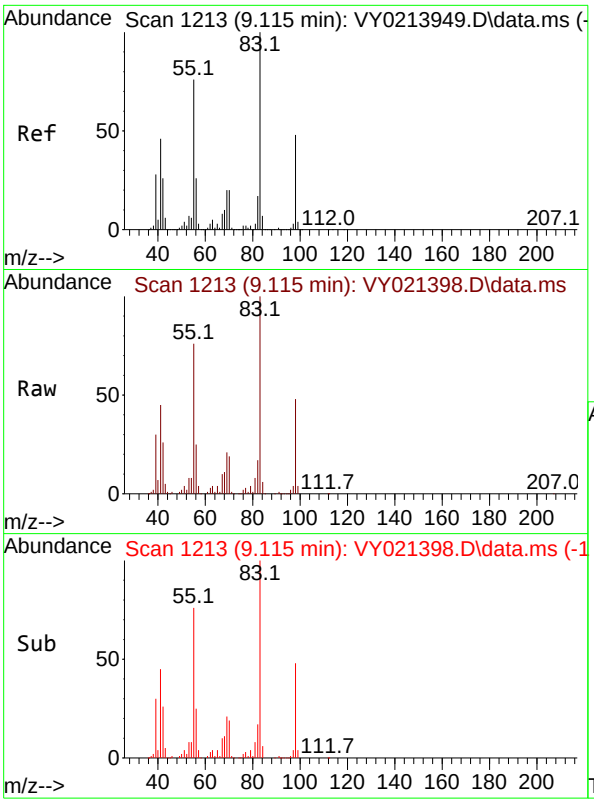


#38
Carbon Tetrachloride
Concen: 18.176 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:117 Resp: 78440

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.8	113.8
121	32.2	23.9	35.9





#39
Methylcyclohexane
Concen: 17.422 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

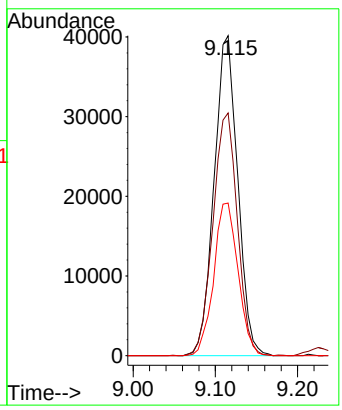
Tgt Ion: 83 Resp: 8019

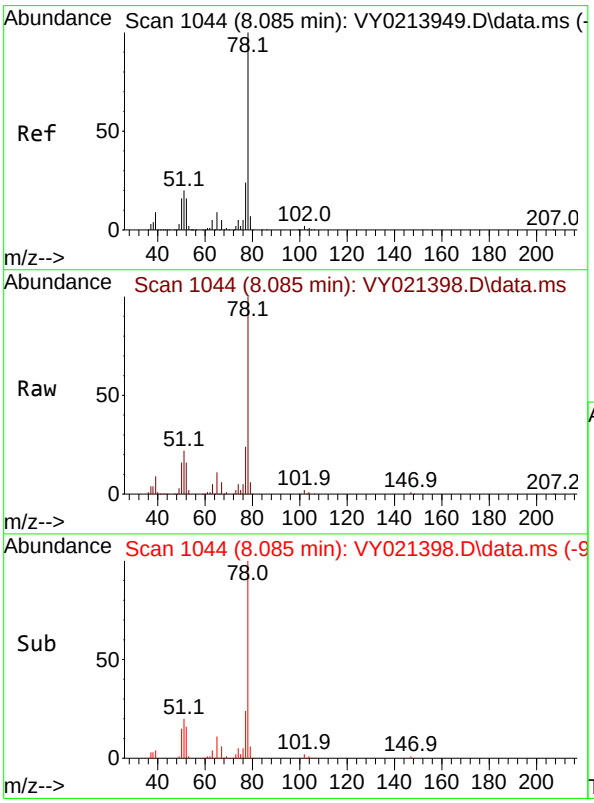
Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.7	91.1
98	47.7	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

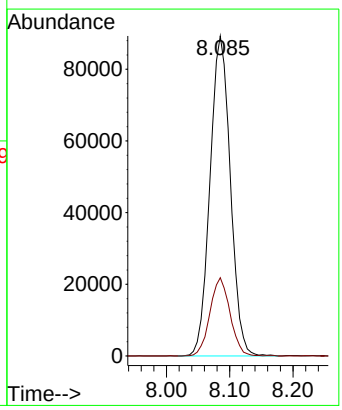


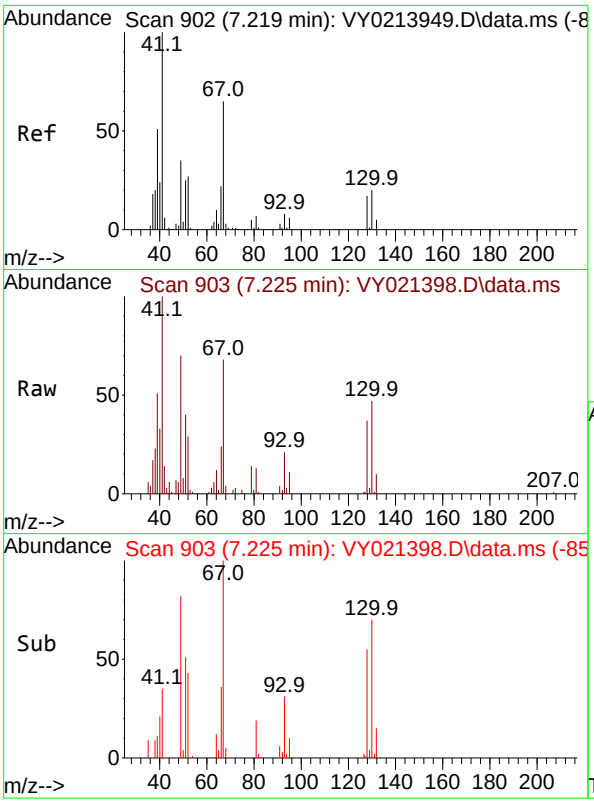


#40
Benzene
Concen: 18.027 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 78 Resp: 199273

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4

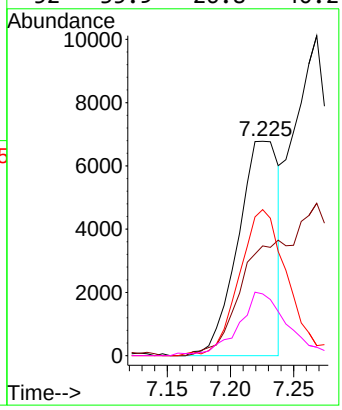




#41
Methacrylonitrile
Concen: 16.416 ug/l
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 41 Resp: 1513

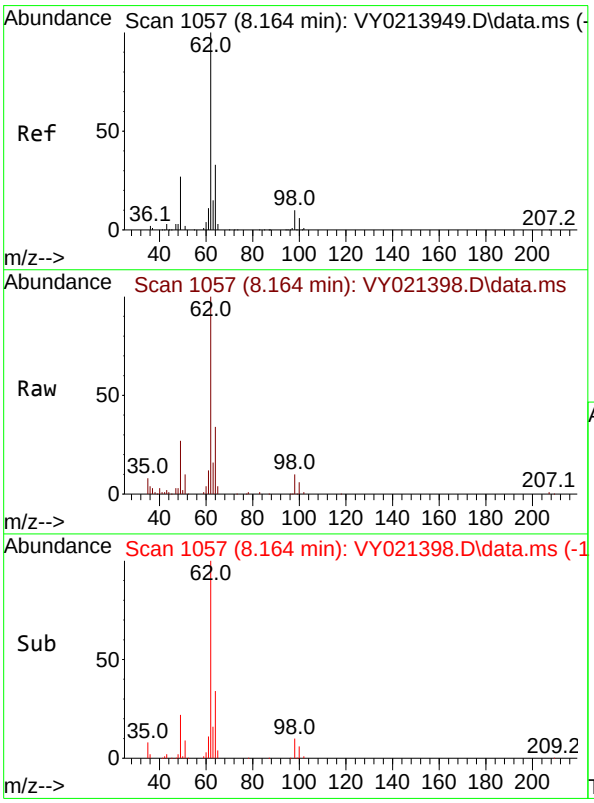
Ion	Ratio	Lower	Upper
41	100		
39	0.0	35.0	52.6
67	81.9	61.2	91.8
52	35.9	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

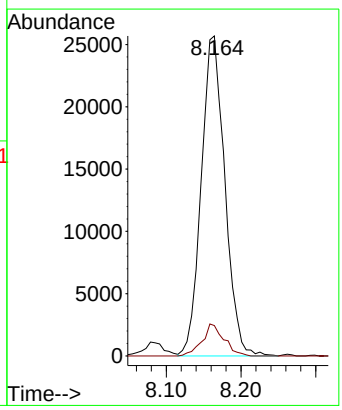
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

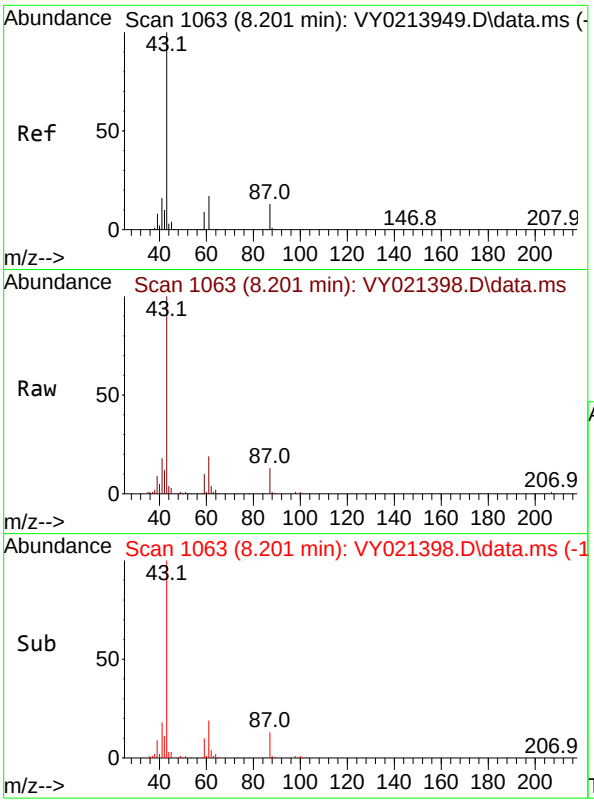


#42
1,2-Dichloroethane
Concen: 18.224 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 62 Resp: 56356

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2





#43
Isopropyl Acetate
Concen: 17.474 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

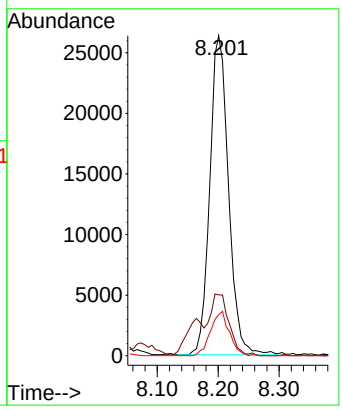
Tgt Ion: 43 Resp: 5626

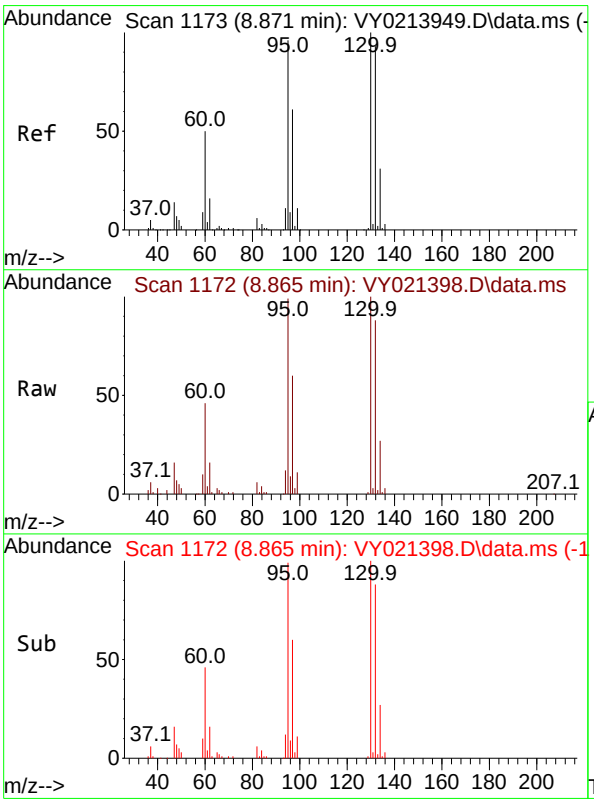
Ion	Ratio	Lower	Upper
43	100		
61	19.8	23.4	35.0
87	13.8	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

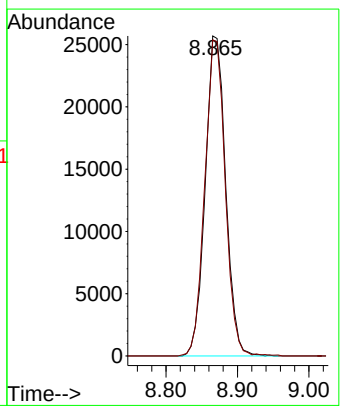


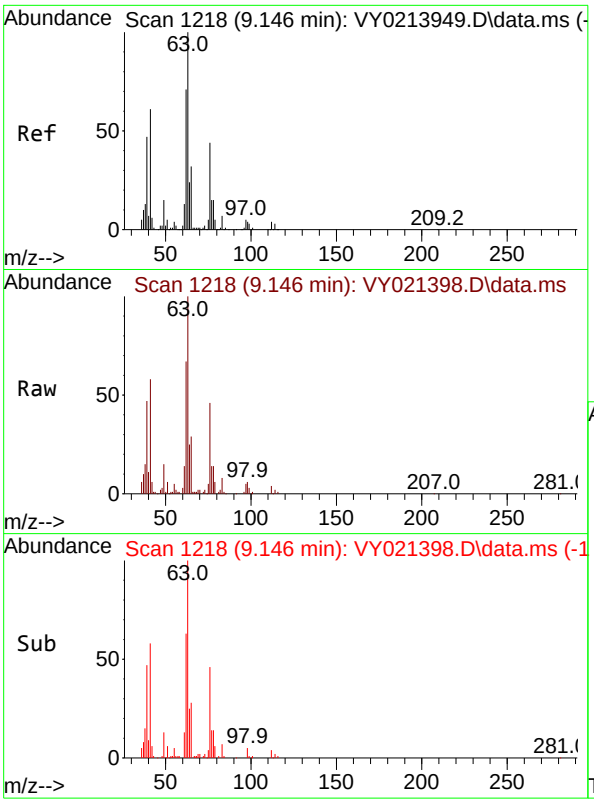


#44
Trichloroethene
Concen: 18.244 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:130 Resp: 50961

Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	191.6

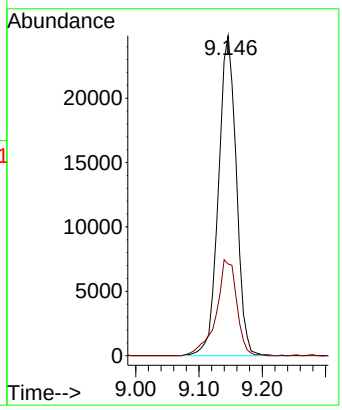




#45
1,2-Dichloropropane
Concen: 18.460 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 63 Resp: 4856

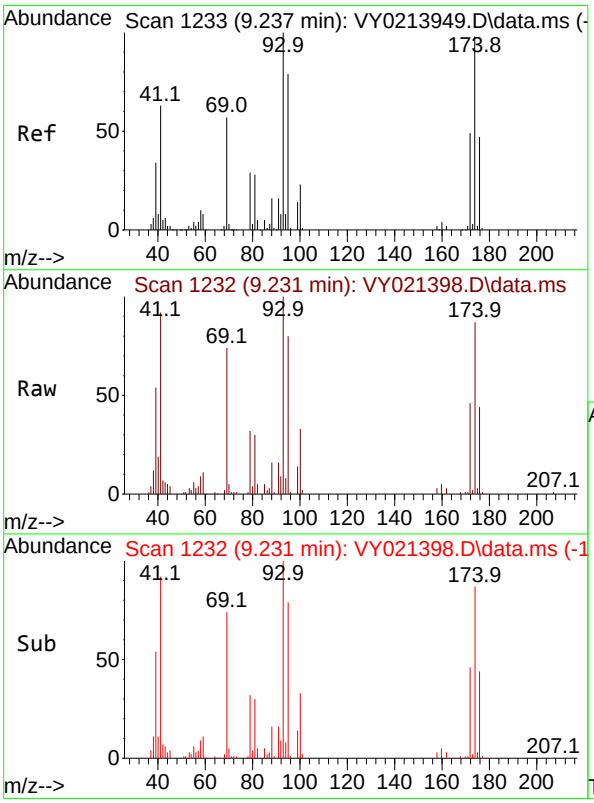
Ion	Ratio	Lower	Upper
63	100		
65	28.6	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

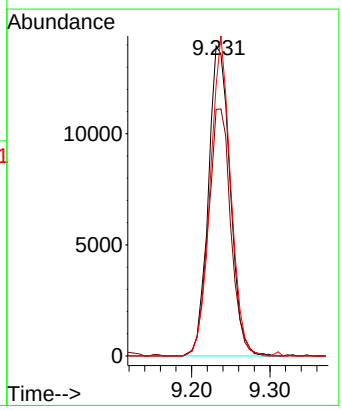
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

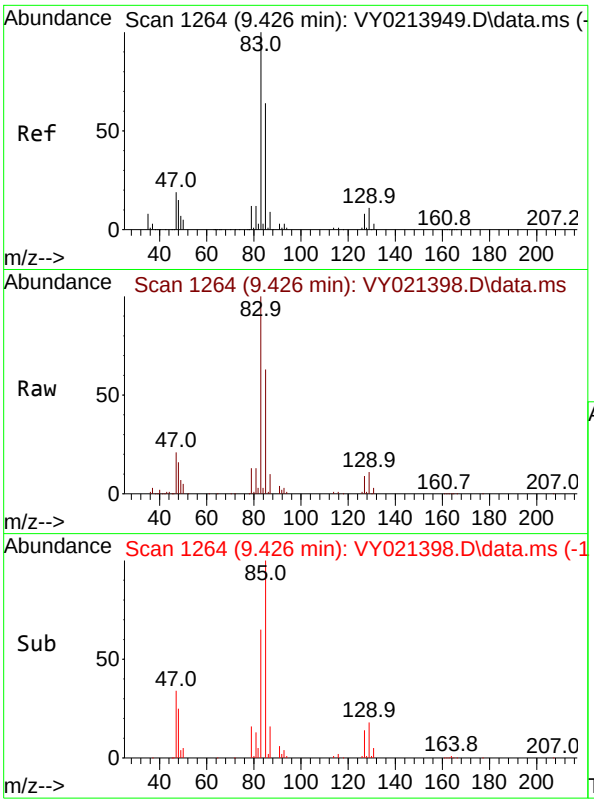


#46
Dibromomethane
Concen: 18.426 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 93 Resp: 26972

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.8	98.8
174	96.4	77.9	116.9

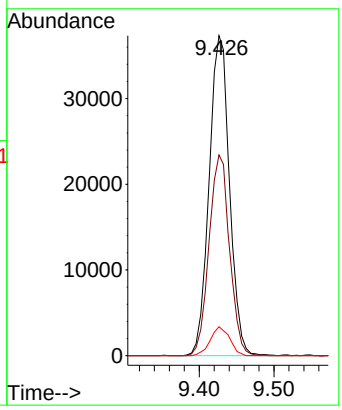




#47
Bromodichloromethane
Concen: 18.205 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 83 Resp: 7077

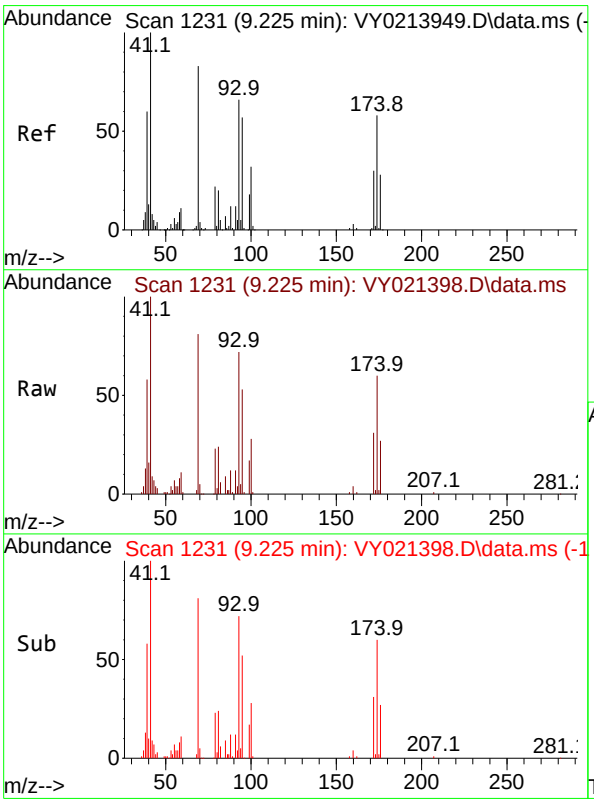
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.1	76.7
127	9.0	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

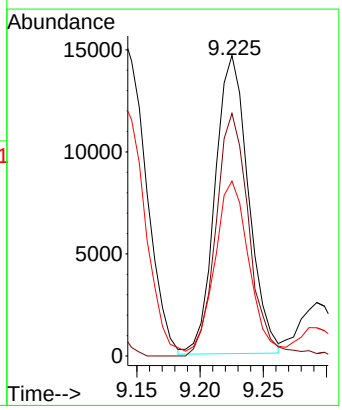
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

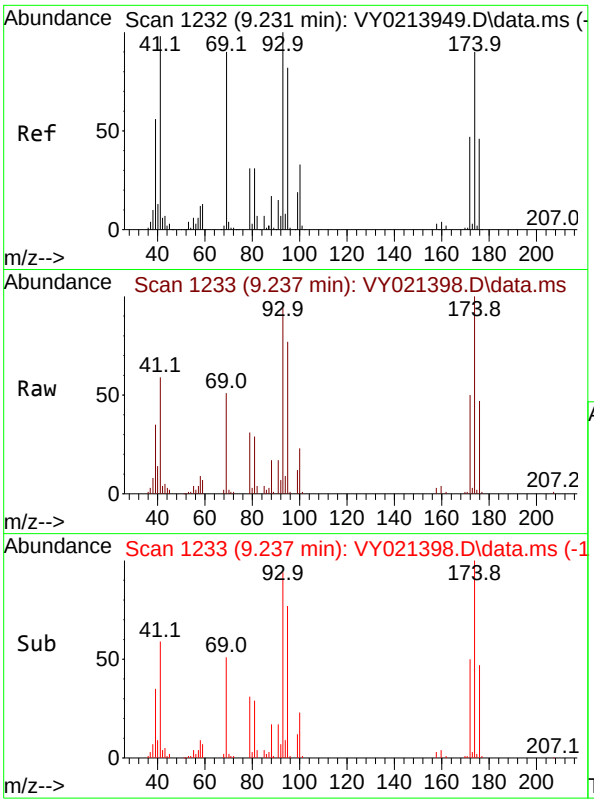


#48
Methyl methacrylate
Concen: 17.976 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 41 Resp: 26835

Ion	Ratio	Lower	Upper
41	100		
69	80.9	67.8	101.8
39	59.0	46.4	69.6





#49
1,4-Dioxane
Concen: 379.181 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

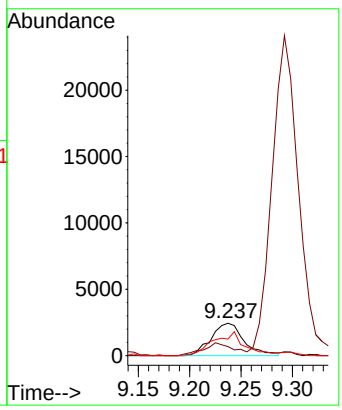
Tgt Ion: 88 Resp: 544

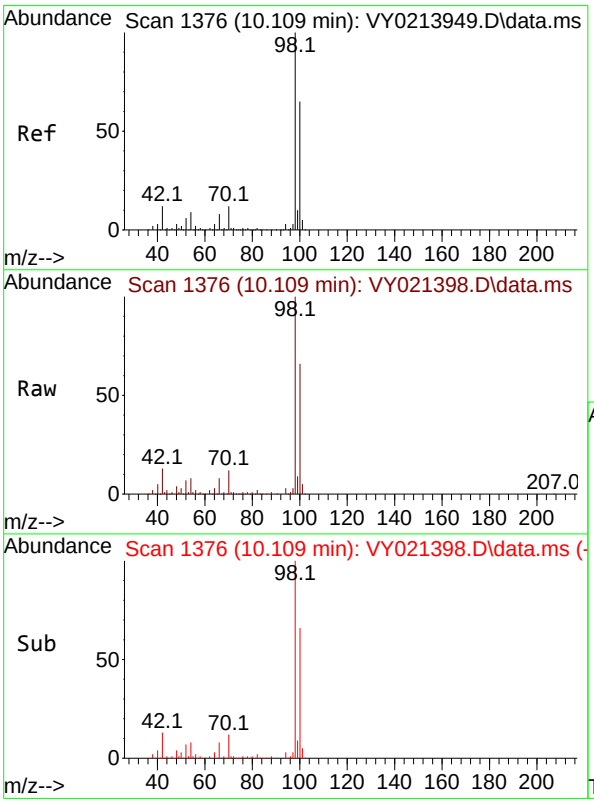
Ion	Ratio	Lower	Upper
88	100		
43	36.7	25.0	37.4
58	69.5	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

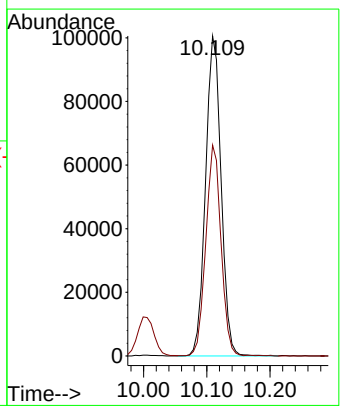


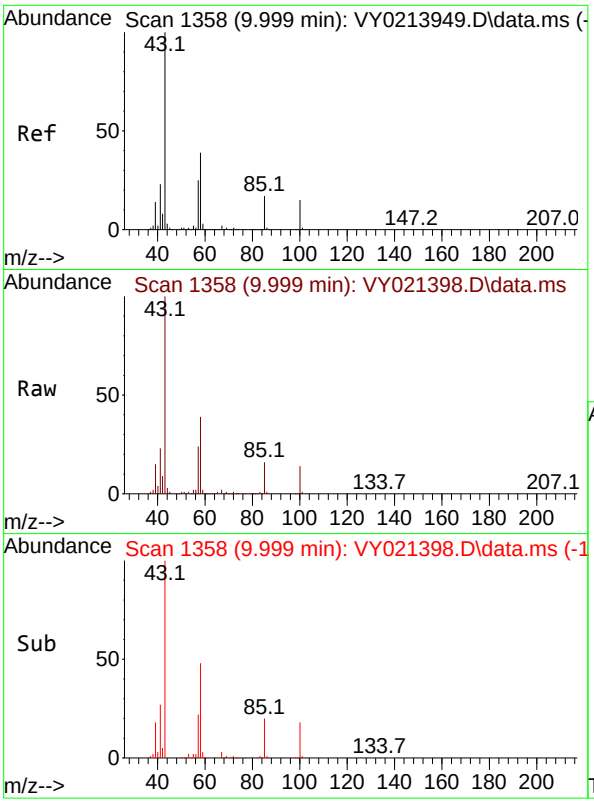


#50
Toluene-d8
Concen: 18.951 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 98 Resp: 172011

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 88.535 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

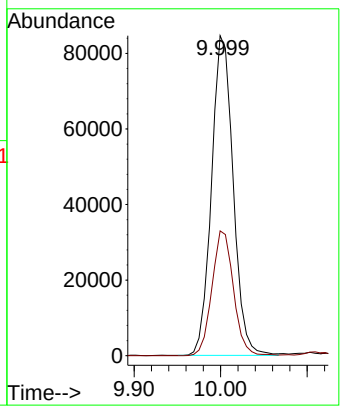
Tgt Ion: 43 Resp: 14707

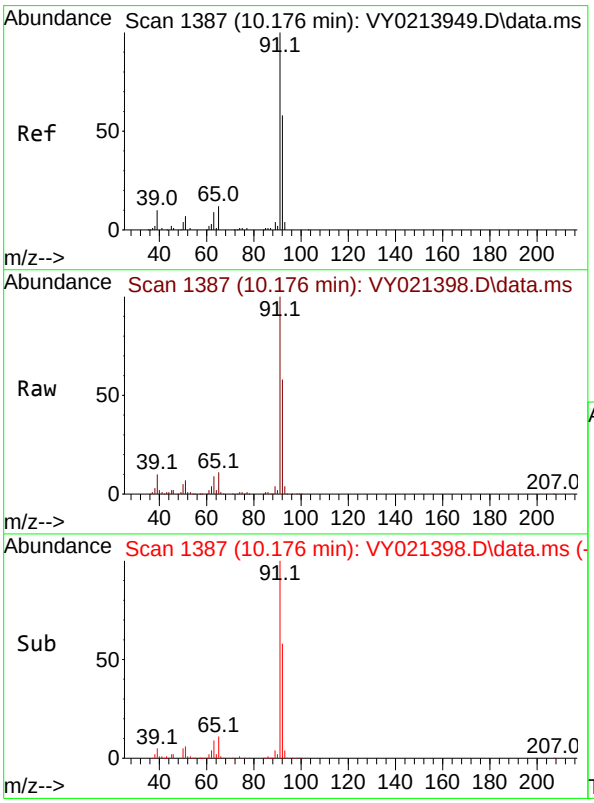
Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

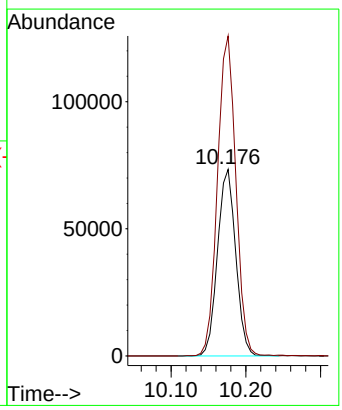


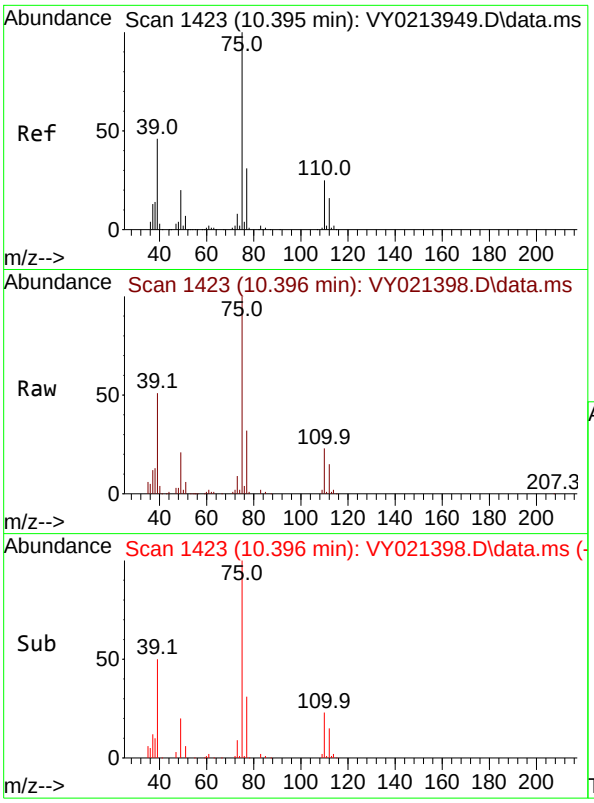


#52
Toluene
Concen: 17.858 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 92 Resp: 124450

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 17.911 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

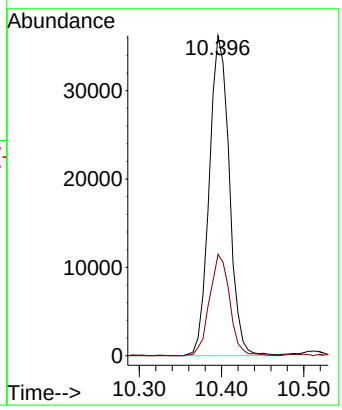
Tgt Ion: 75 Resp: 6134

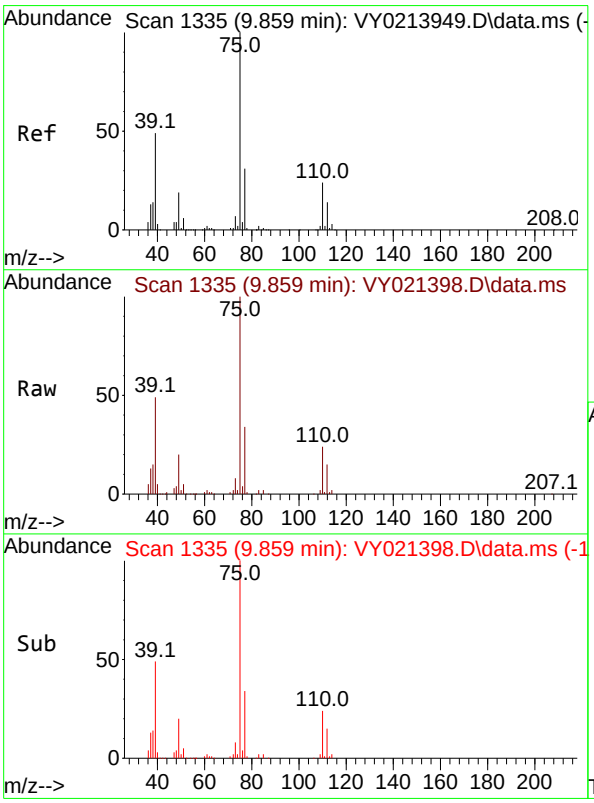
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

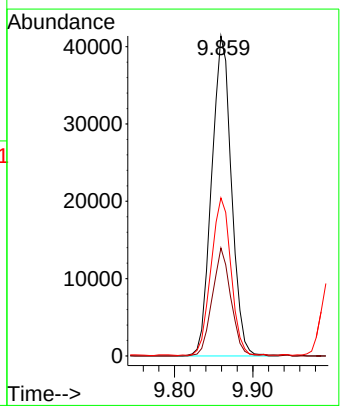


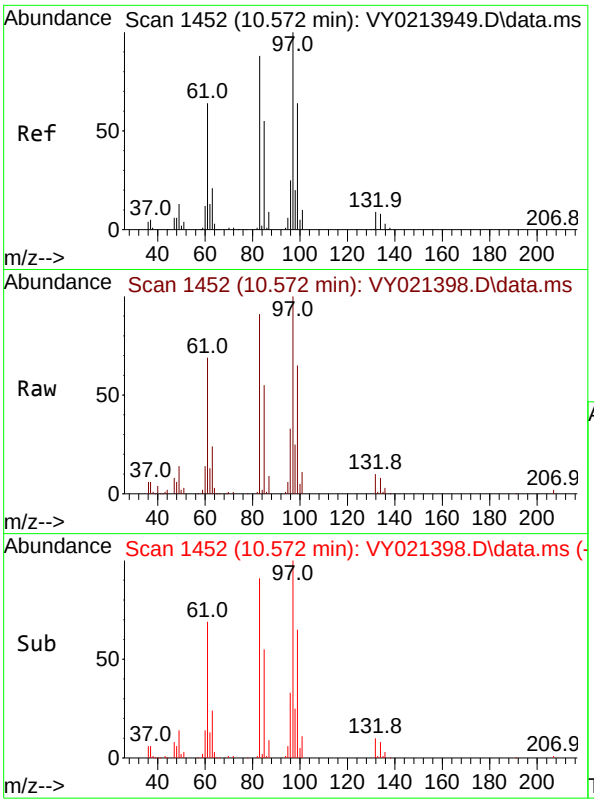


#54
cis-1,3-Dichloropropene
Concen: 17.873 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 75 Resp: 72678

Ion	Ratio	Lower	Upper
75	100		
77	33.7	24.6	37.0
39	49.2	39.4	59.2

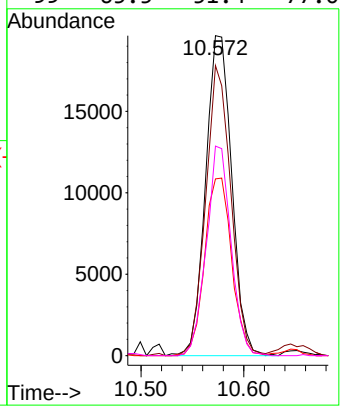




#55
1,1,2-Trichloroethane
Concen: 18.085 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 97 Resp: 3463(

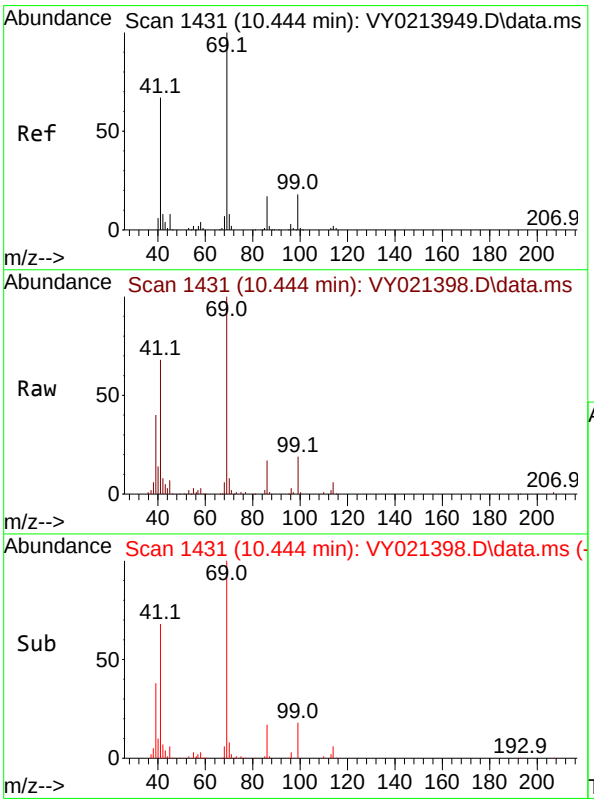
Ion	Ratio	Lower	Upper
97	100		
83	90.7	70.0	105.0
85	54.8	44.3	66.5
99	65.5	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

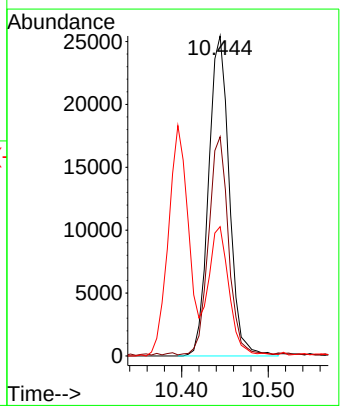
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

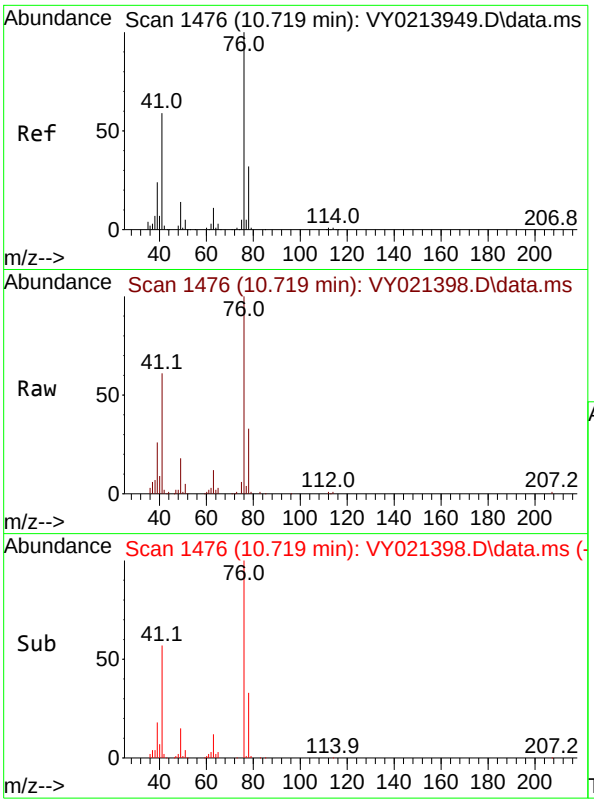


#56
Ethyl methacrylate
Concen: 17.253 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 69 Resp: 42134

Ion	Ratio	Lower	Upper
69	100		
41	65.8	53.3	79.9
39	39.6	31.0	46.6





#57
1,3-Dichloropropane
Concen: 18.514 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

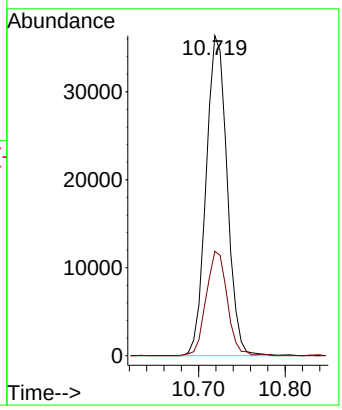
Tgt Ion: 76 Resp: 6144

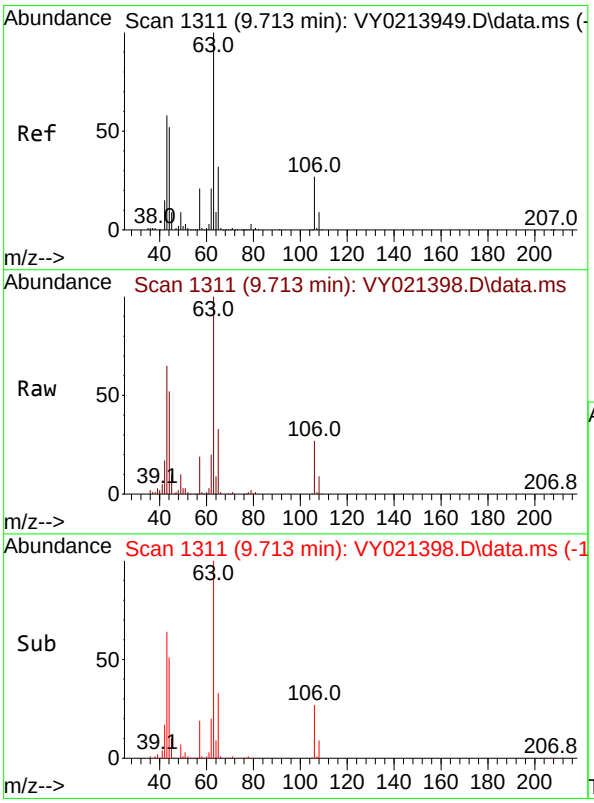
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

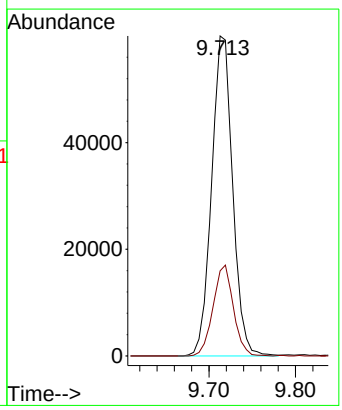


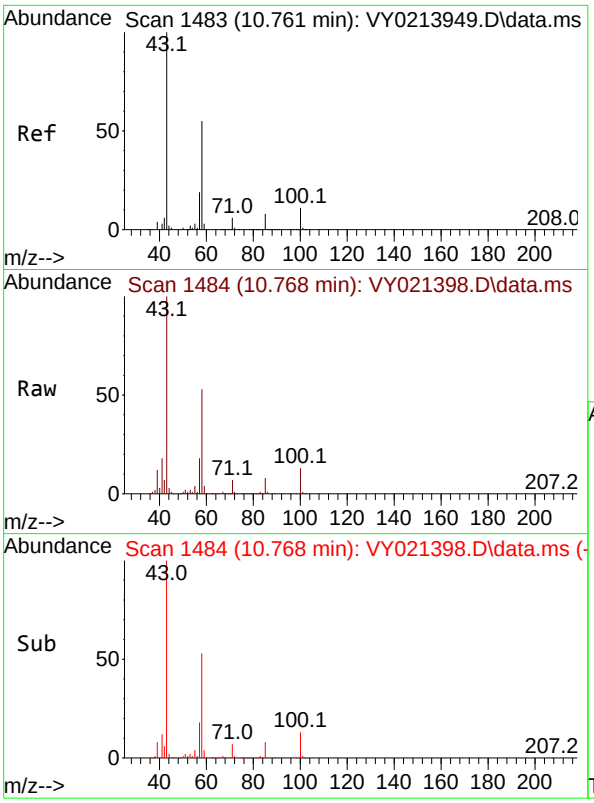


#58
2-Chloroethyl Vinyl ether
Concen: 89.786 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 63 Resp: 101217

Ion	Ratio	Lower	Upper
63	100		
106	27.4	22.1	33.1





#59
2-Hexanone
Concen: 85.937 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

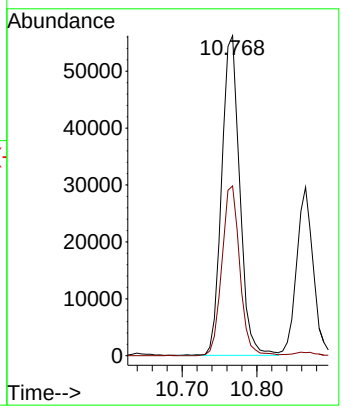
Tgt Ion: 43 Resp: 9439

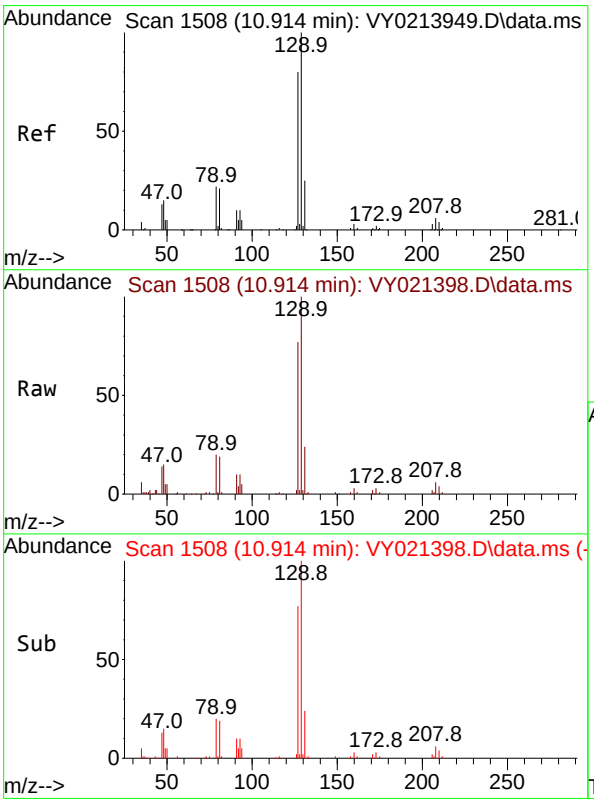
Ion	Ratio	Lower	Upper
43	100		
58	52.8	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

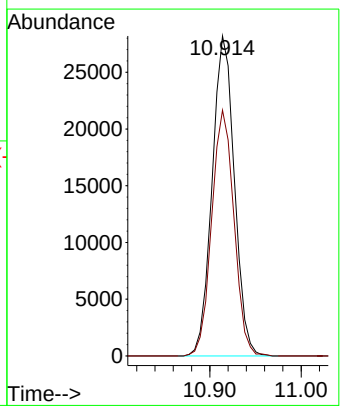


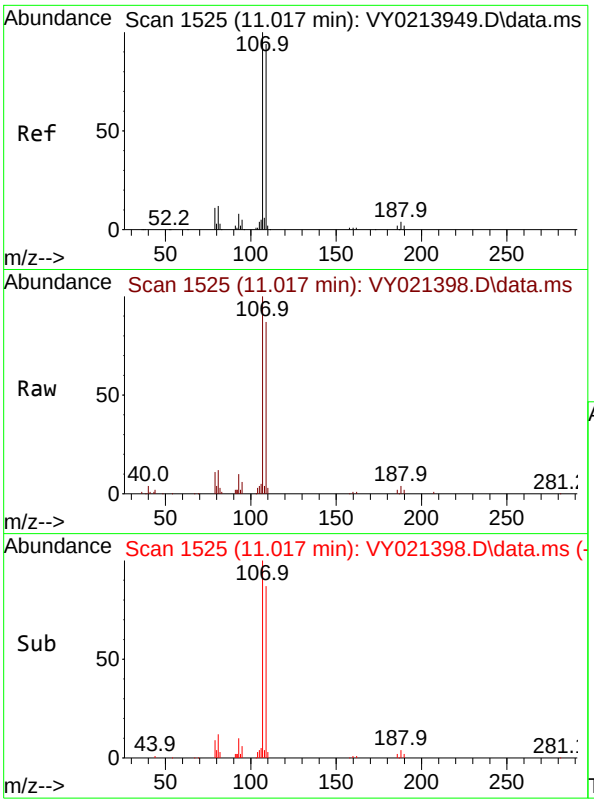


#60
Dibromochloromethane
Concen: 18.176 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:129 Resp: 47714

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.1	117.3





#61
1,2-Dibromoethane
Concen: 18.220 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

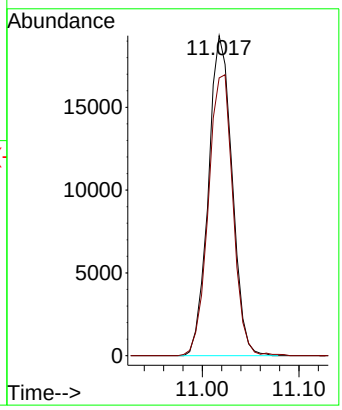
Tgt Ion:107 Resp: 3292

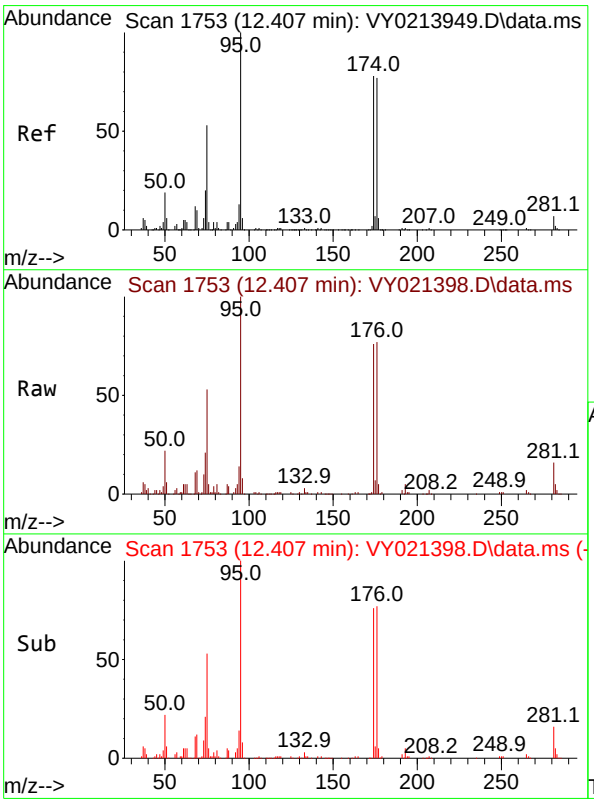
Ion	Ratio	Lower	Upper
107	100		
109	91.2	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

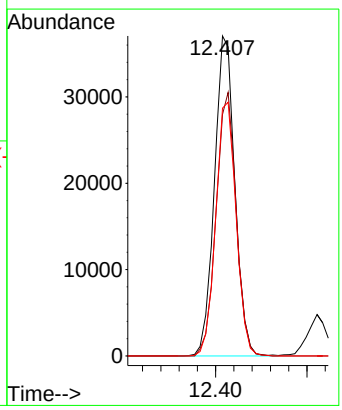


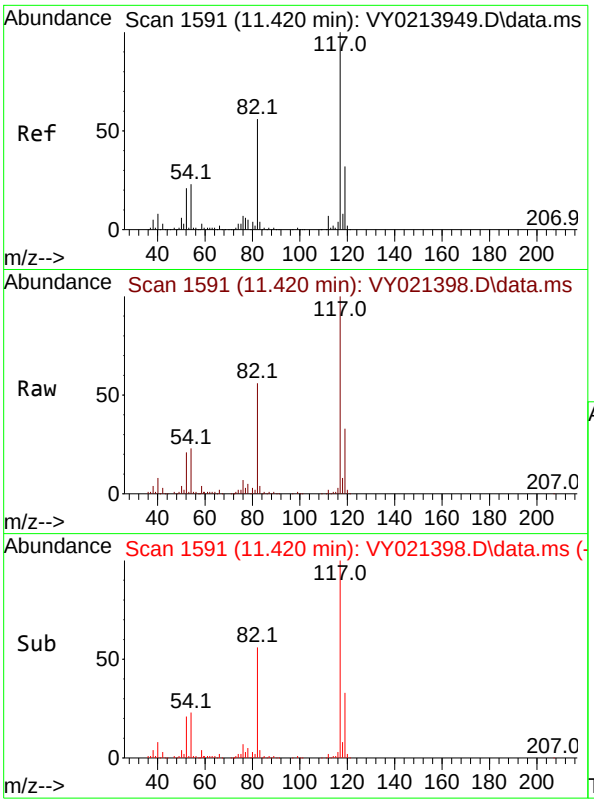


#62
4-Bromofluorobenzene
Concen: 18.609 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 95 Resp: 57456

Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	165.0
176	79.3	0.0	160.0

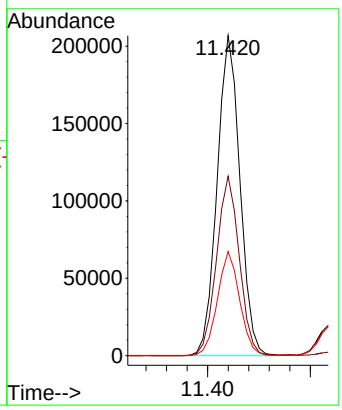




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:117 Resp: 31851

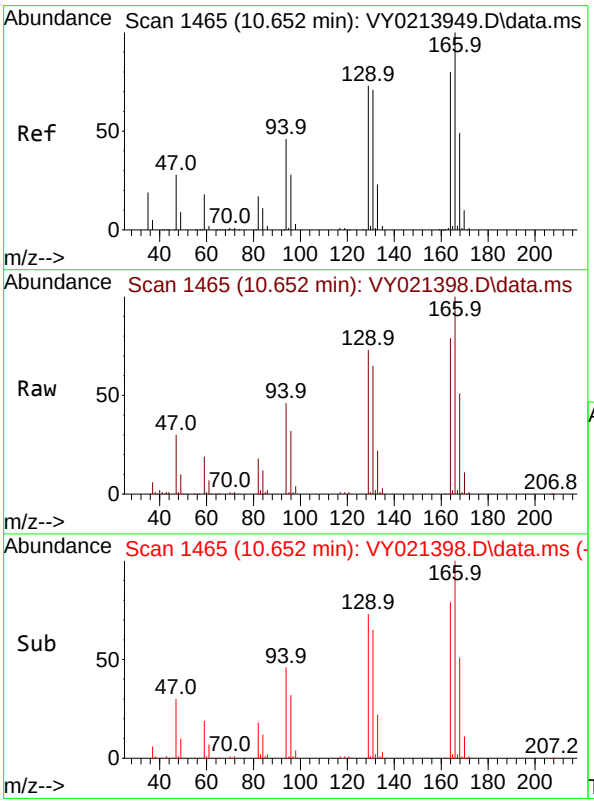
Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.6	67.0
119	32.6	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

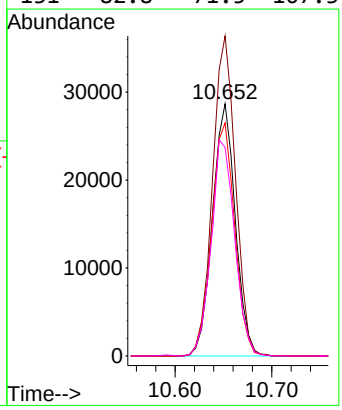
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

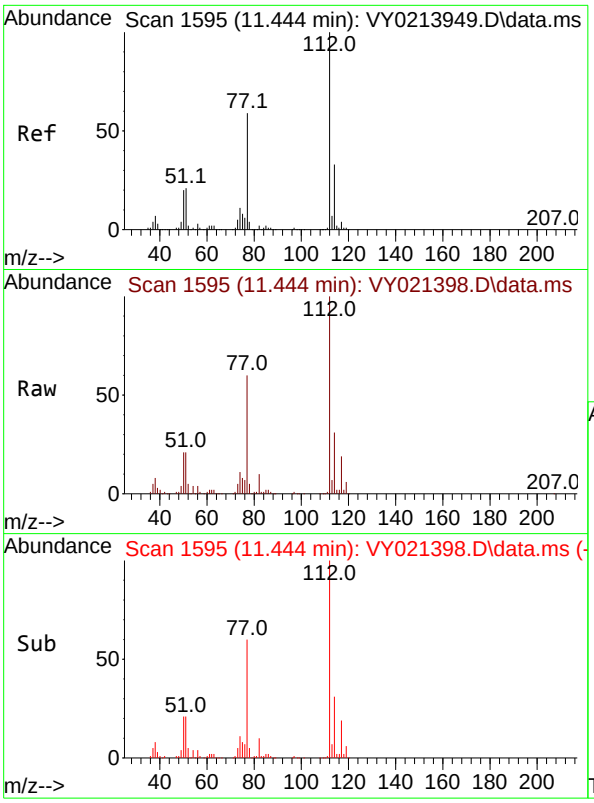


#64
Tetrachloroethene
Concen: 18.193 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:164 Resp: 47121

Ion	Ratio	Lower	Upper
164	100		
166	126.9	100.4	150.6
129	92.4	73.8	110.8
131	82.8	71.5	107.3





#65
Chlorobenzene
Concen: 18.035 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

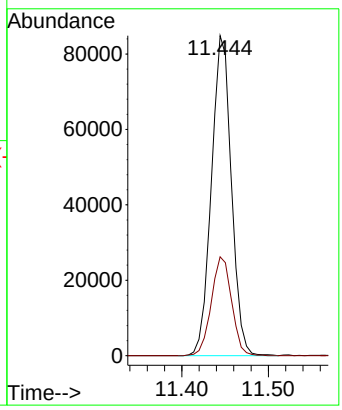
Tgt Ion:112 Resp: 13564

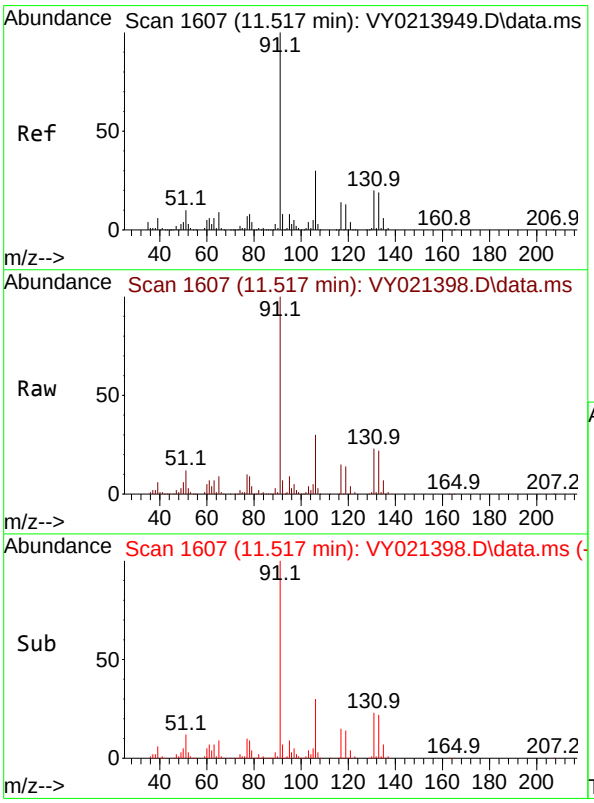
Ion	Ratio	Lower	Upper
112	100		
114	30.9	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

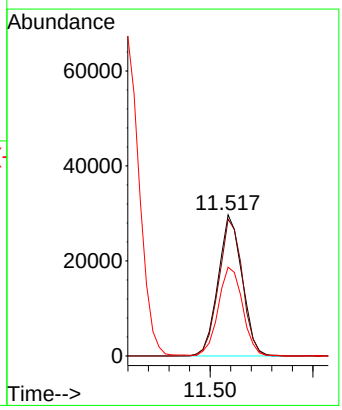


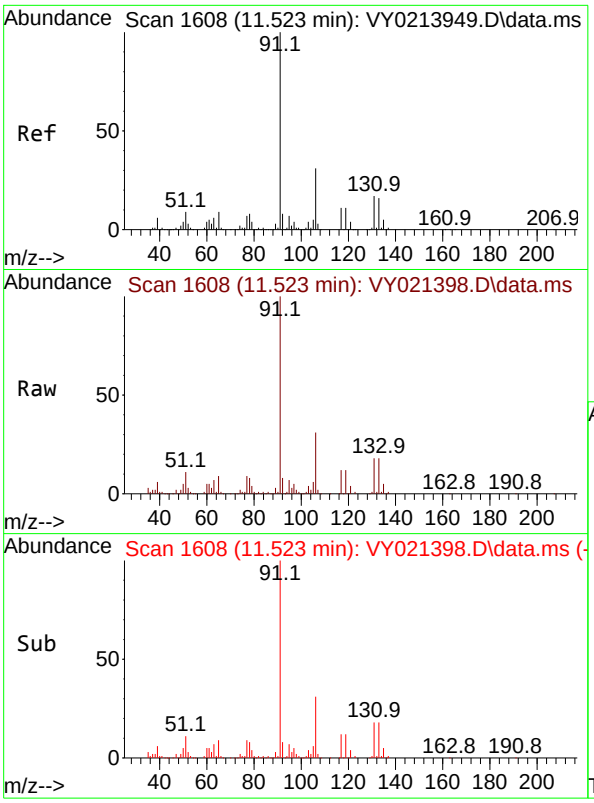


#66
1,1,1,2-Tetrachloroethane
Concen: 18.050 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:131 Resp: 47998

Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.6	142.9
119	64.0	32.3	96.9





#67
Ethyl Benzene
Concen: 17.609 ug/l
RT: 11.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

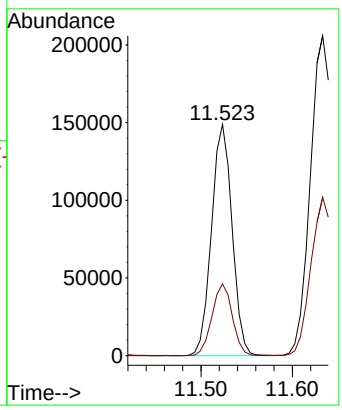
Tgt Ion: 91 Resp: 23246

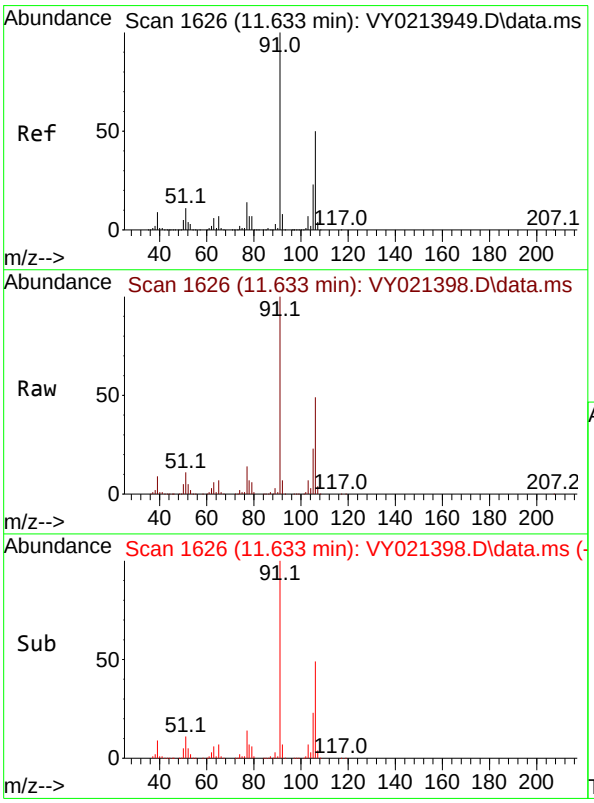
Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

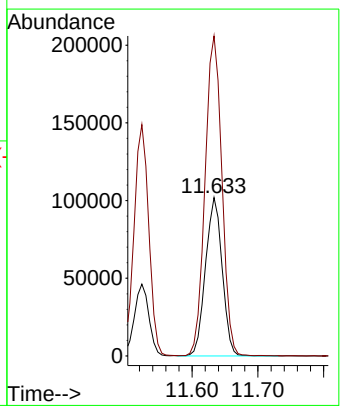


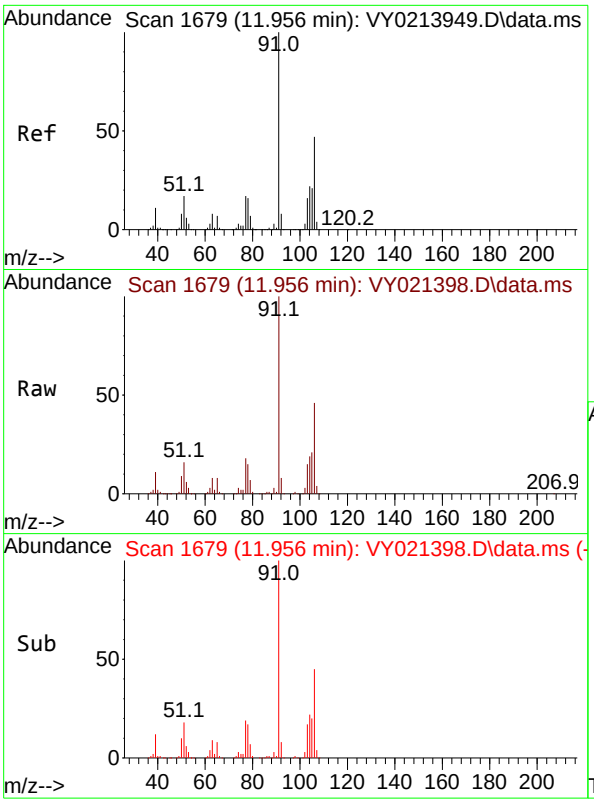


#68
m/p-Xylenes
Concen: 35.847 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:106 Resp: 179664

Ion	Ratio	Lower	Upper
106	100		
91	203.8	161.7	242.5





#69
o-Xylene
Concen: 17.516 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

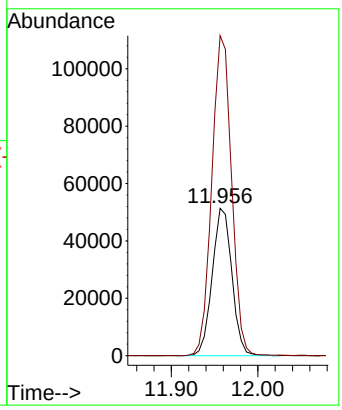
Tgt Ion:106 Resp: 8090

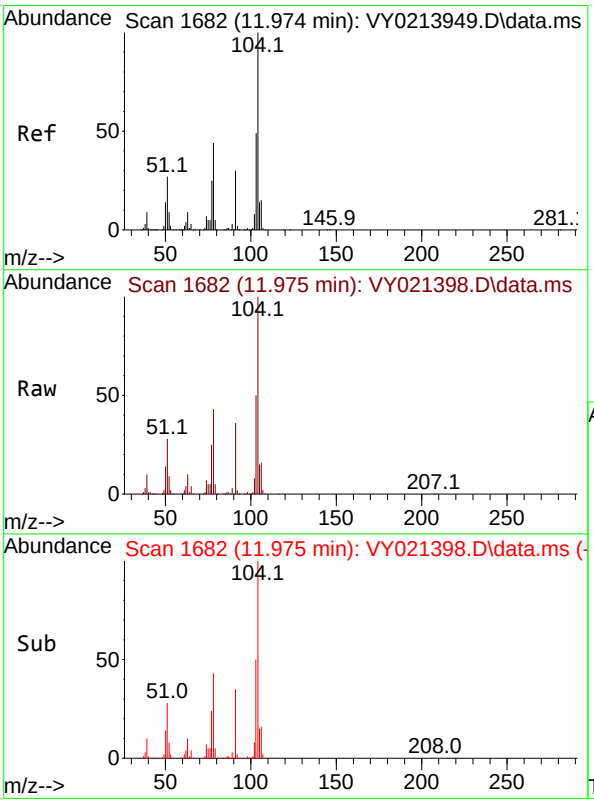
Ion	Ratio	Lower	Upper
106	100		
91	218.6	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

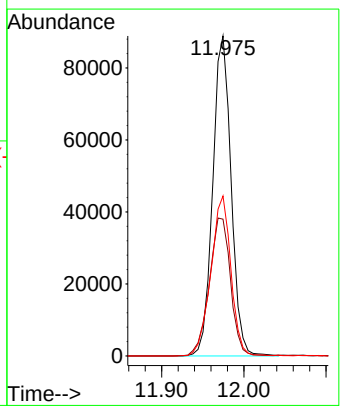


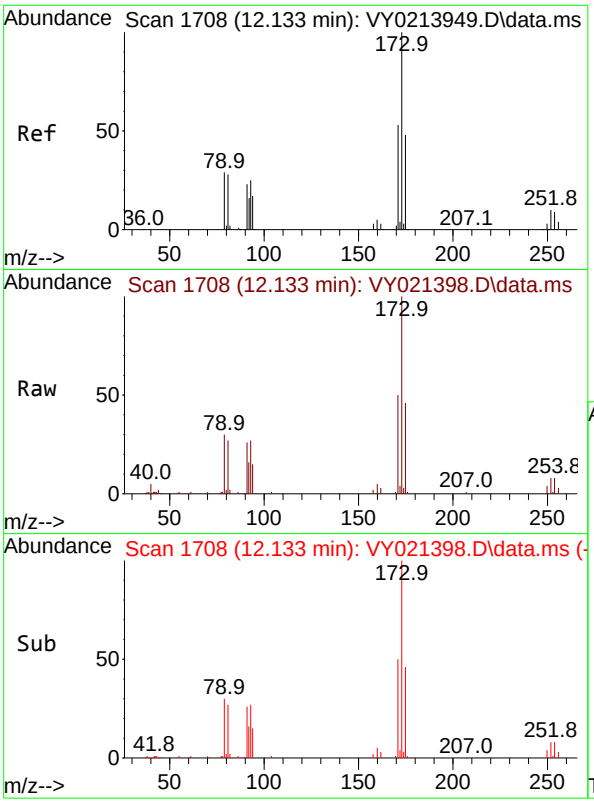


#70
Styrene
Concen: 18.027 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:104 Resp: 138147

Ion	Ratio	Lower	Upper
104	100		
78	50.0	40.7	61.1
103	54.4	44.1	66.1

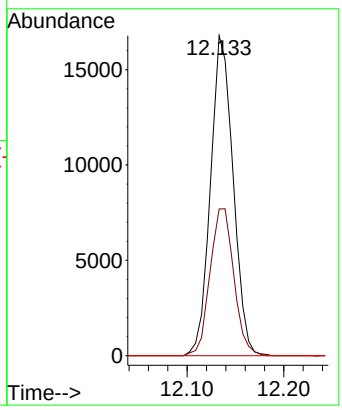




#71
Bromoform
Concen: 18.288 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:173 Resp: 2718

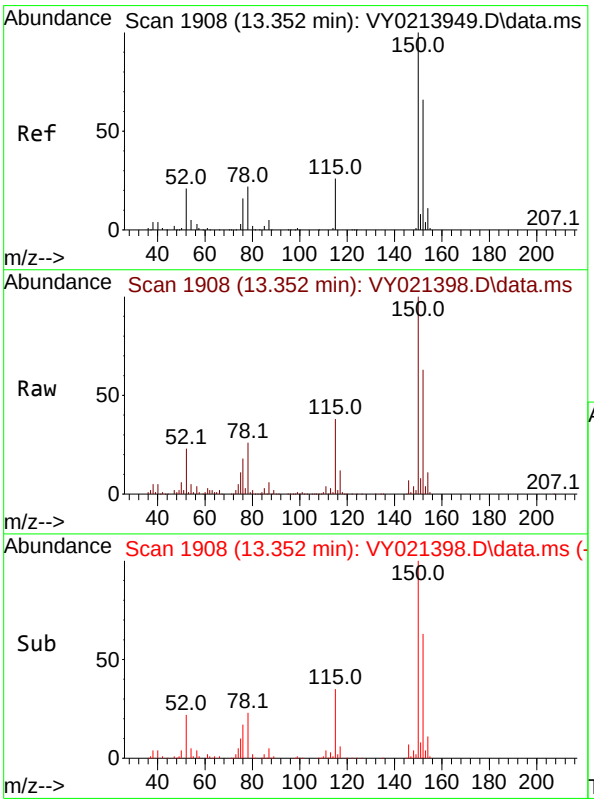
Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

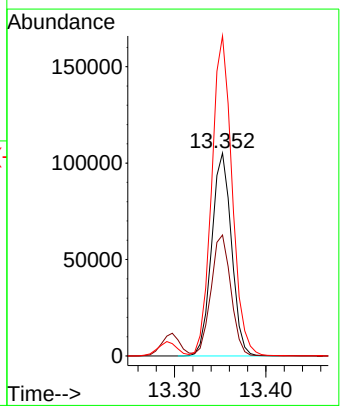
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

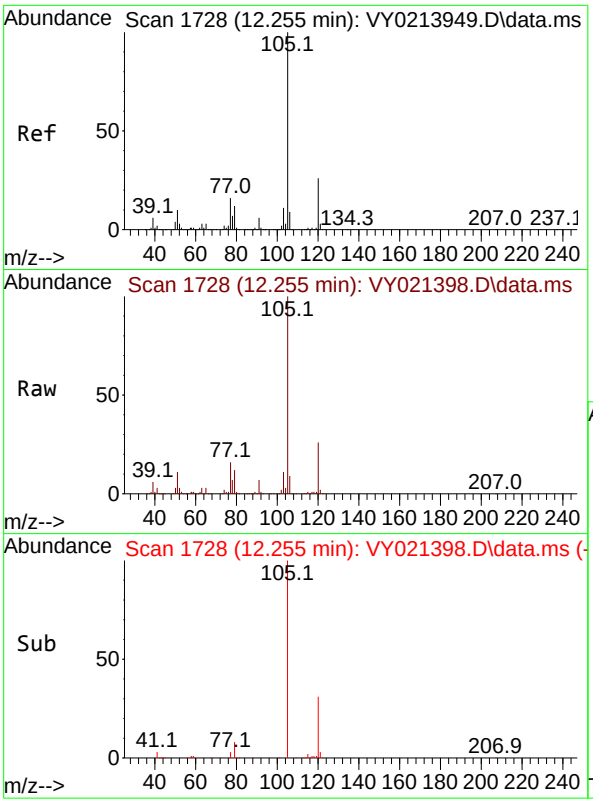


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:152 Resp: 158359

Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.0	87.0
150	162.4	0.0	347.2

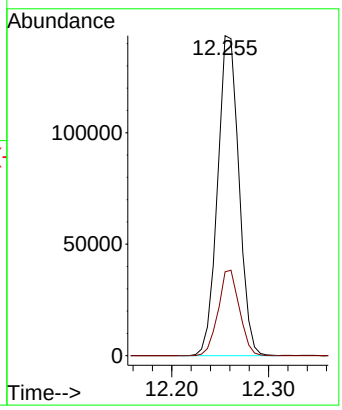




#73
Isopropylbenzene
Concen: 17.612 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:105 Resp: 21969

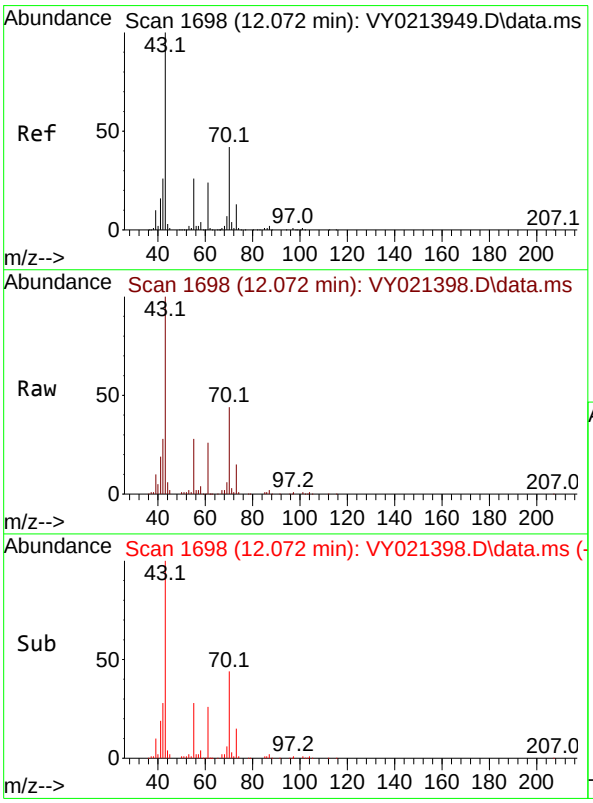
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

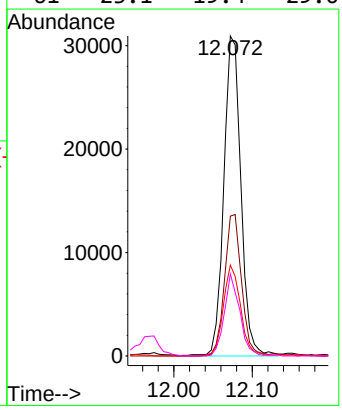
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

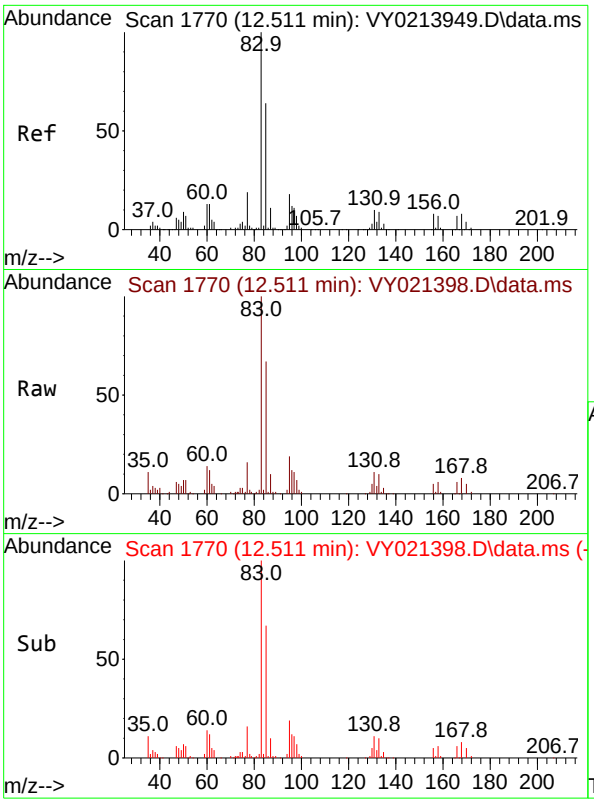


#74
N-amyl acetate
Concen: 17.372 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 43 Resp: 47062

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.6	51.8
55	28.7	21.1	31.7
61	23.1	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 18.341 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

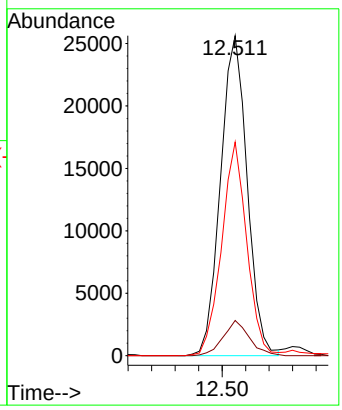
Tgt Ion: 83 Resp: 4037

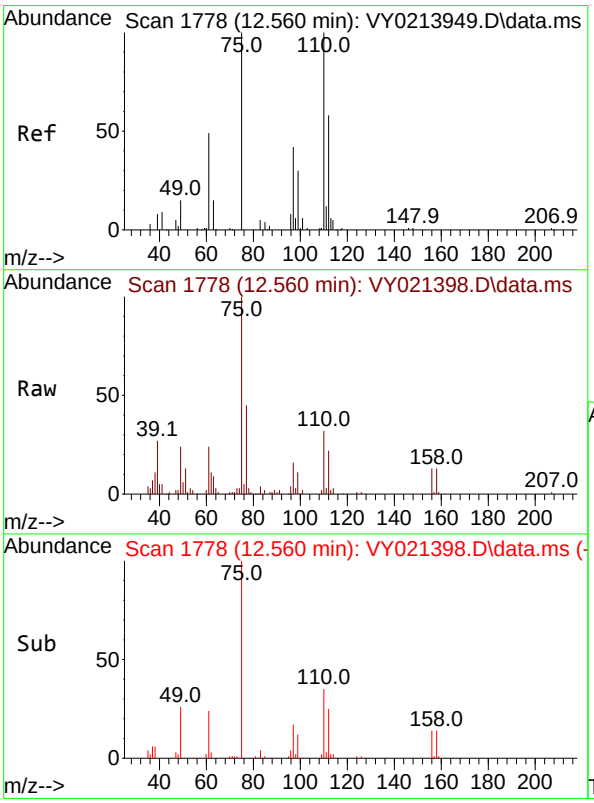
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.3	16.1
85	63.0	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

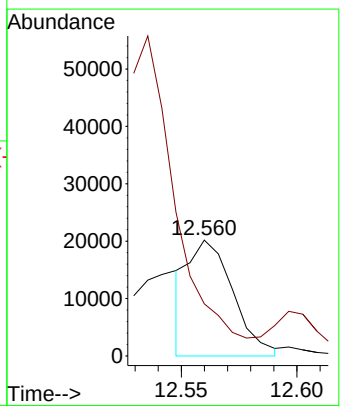


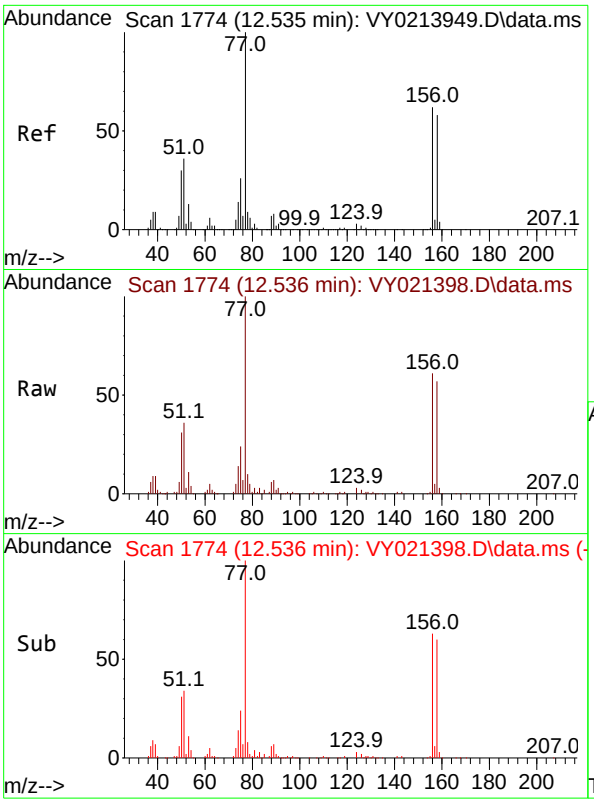


#76
1,2,3-Trichloropropane
Concen: 17.055 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 75 Resp: 27215

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

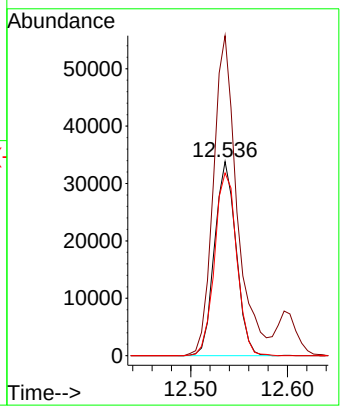




#77
Bromobenzene
Concen: 17.874 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:156 Resp: 5216

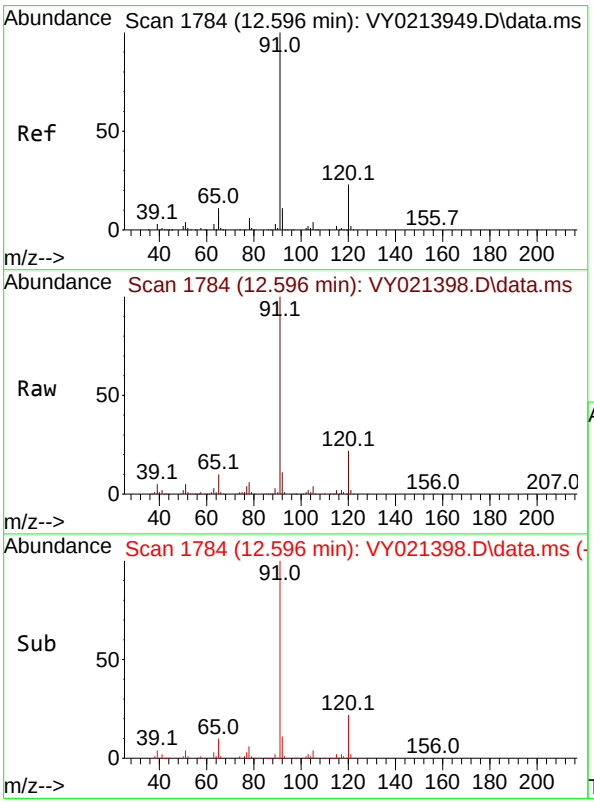
Ion	Ratio	Lower	Upper
156	100		
77	181.3	93.6	280.8
158	97.3	48.3	144.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

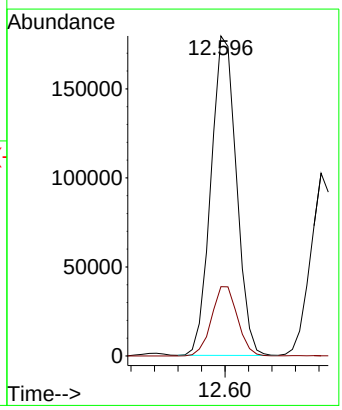
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

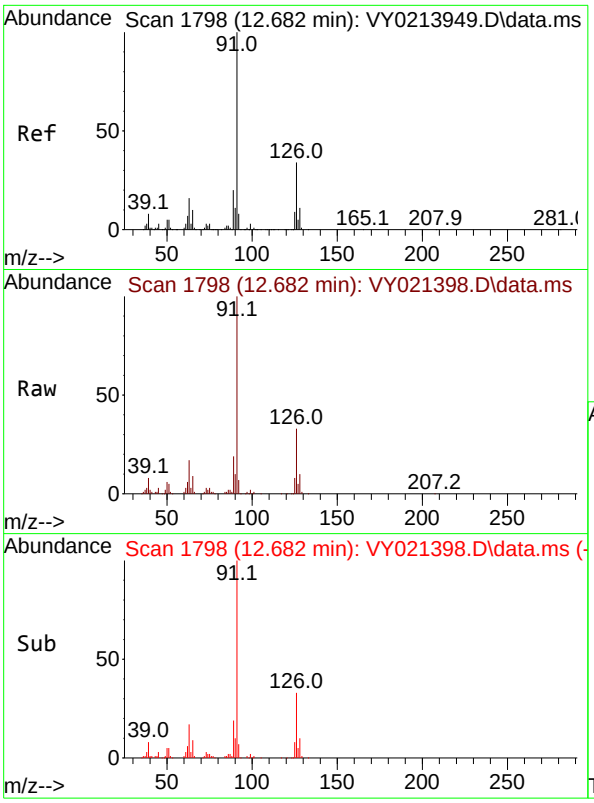


#78
n-propylbenzene
Concen: 17.819 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 91 Resp: 269961

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8





#79
2-Chlorotoluene
Concen: 17.906 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

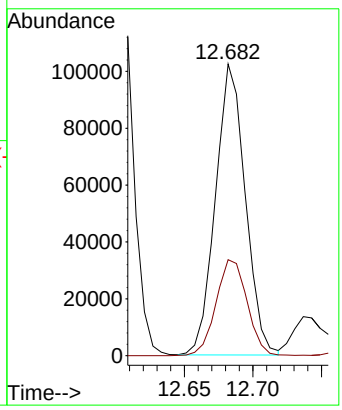
Tgt Ion: 91 Resp: 15510

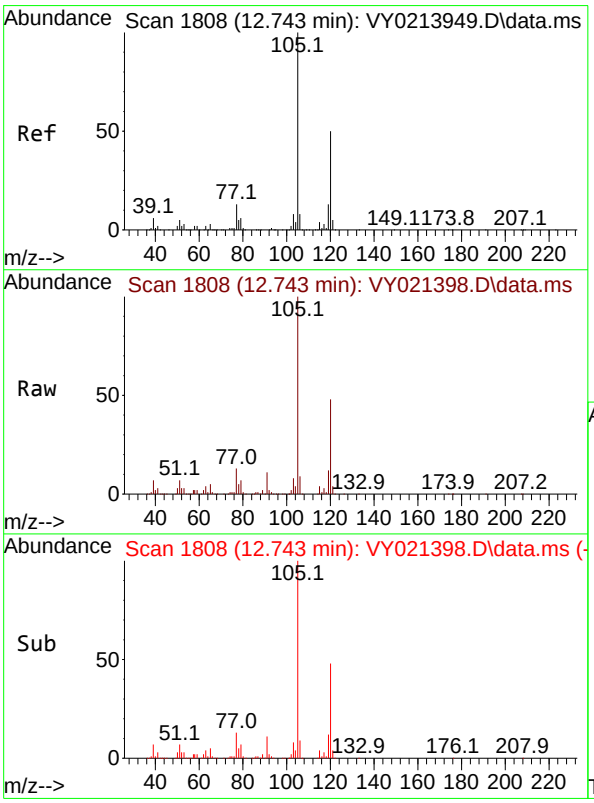
Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

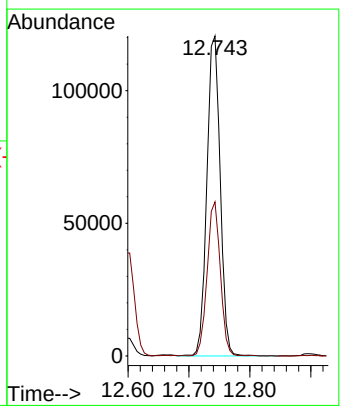


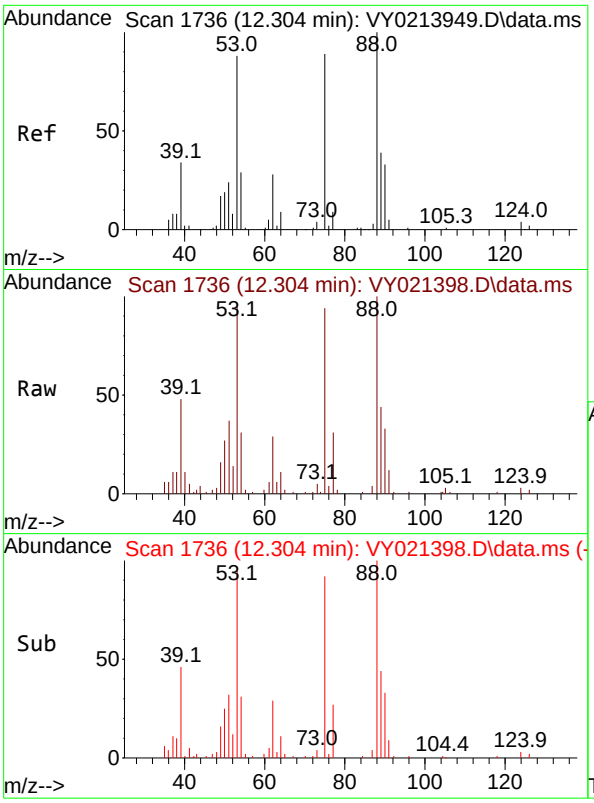


#80
1,3,5-Trimethylbenzene
Concen: 18.091 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:105 Resp: 183398

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 17.456 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

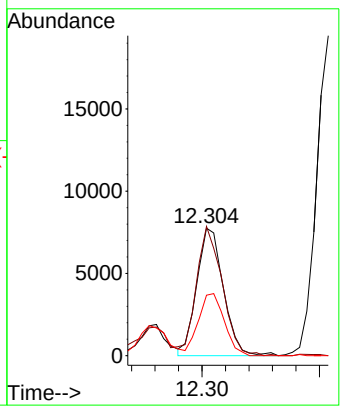
Tgt Ion: 75 Resp: 1225

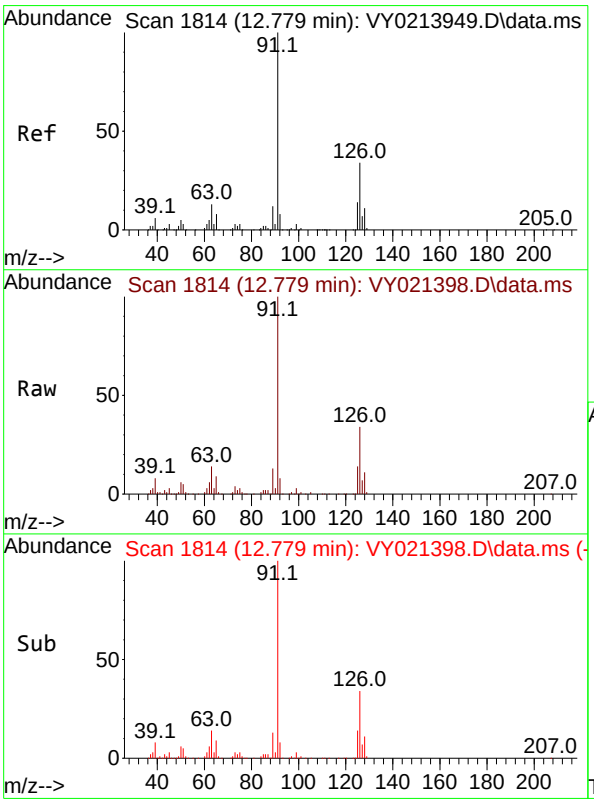
Ion	Ratio	Lower	Upper
75	100		
53	99.1	81.0	121.4
89	46.9	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

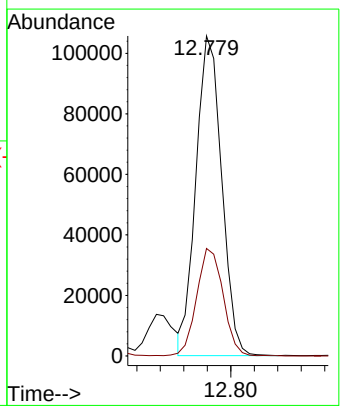


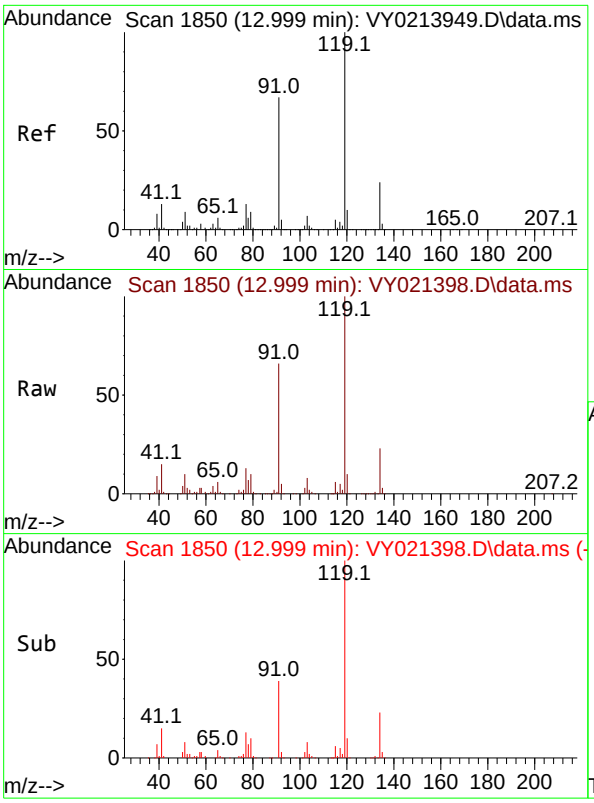


#82
4-Chlorotoluene
Concen: 17.893 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 91 Resp: 160509

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0





#83
tert-Butylbenzene
Concen: 17.461 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

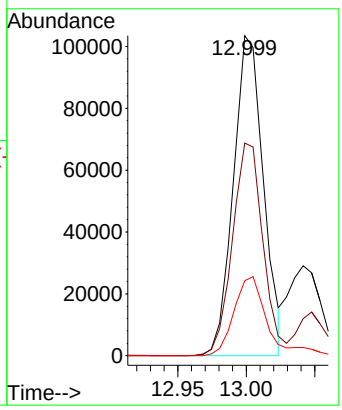
Tgt Ion:119 Resp: 15791

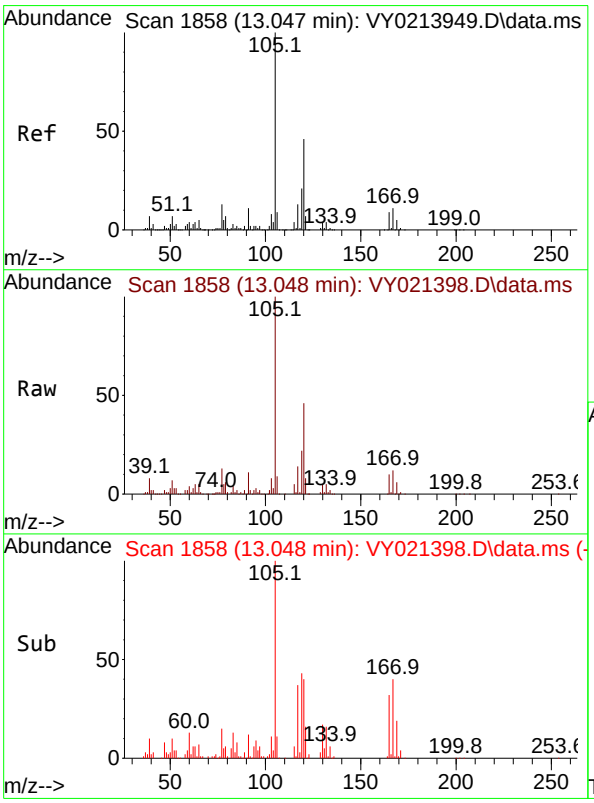
Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.2	99.6
134	27.3	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

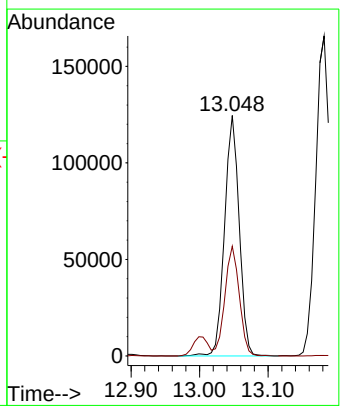


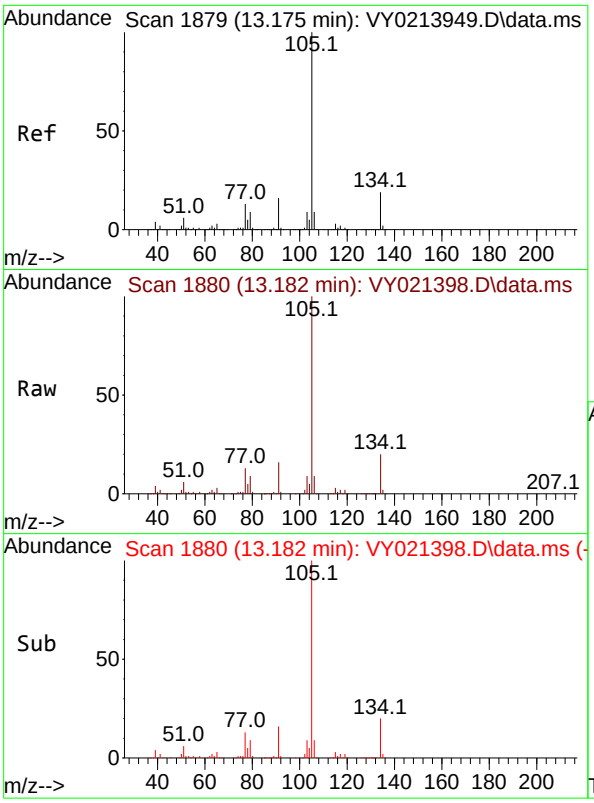


#84
1,2,4-Trimethylbenzene
Concen: 18.254 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:105 Resp: 183733

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1

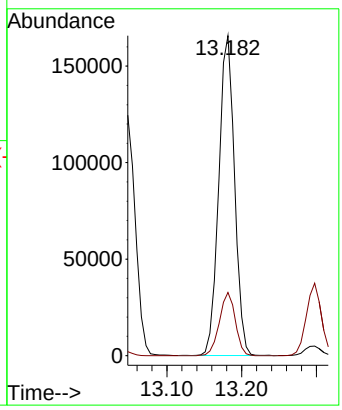




#85
sec-Butylbenzene
Concen: 18.113 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:105 Resp: 24371

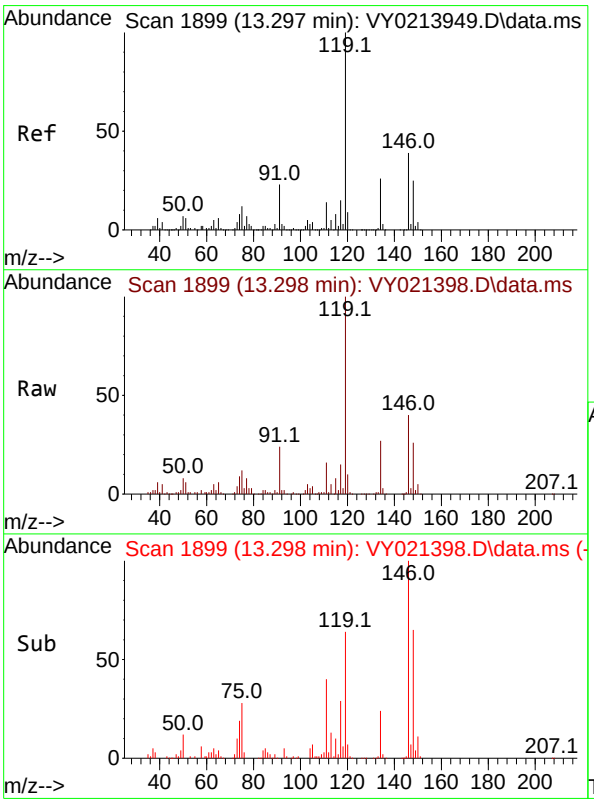
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.9	29.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

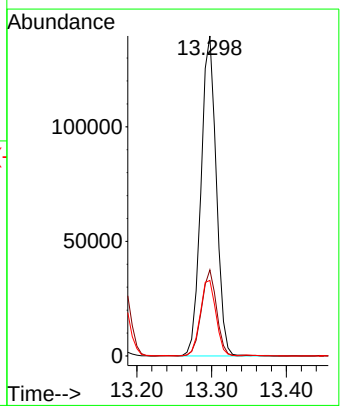
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

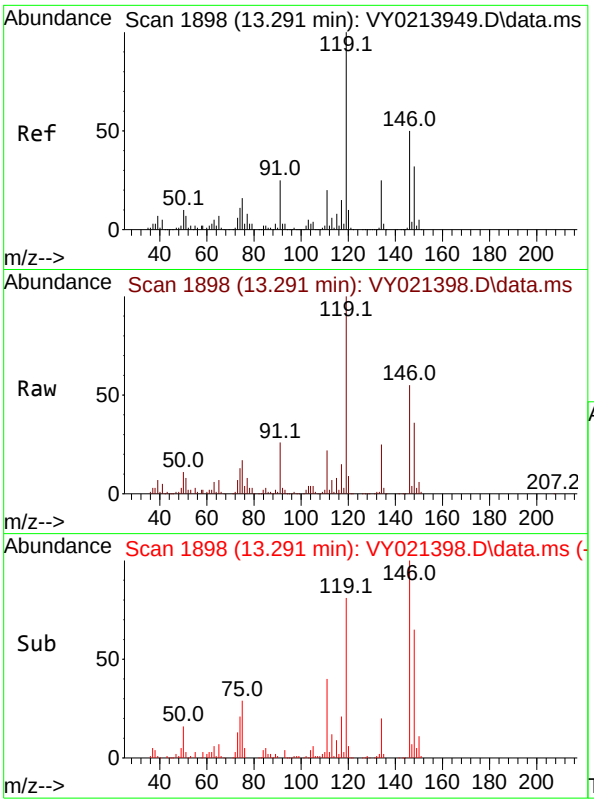


#86
p-Isopropyltoluene
Concen: 17.900 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:119 Resp: 198423

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.1	39.1
91	24.2	12.2	36.6





#87
1,3-Dichlorobenzene
Concen: 17.882 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

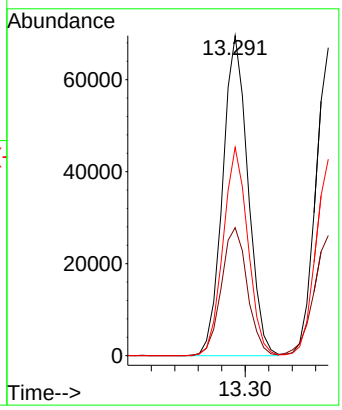
Tgt Ion:146 Resp: 10387

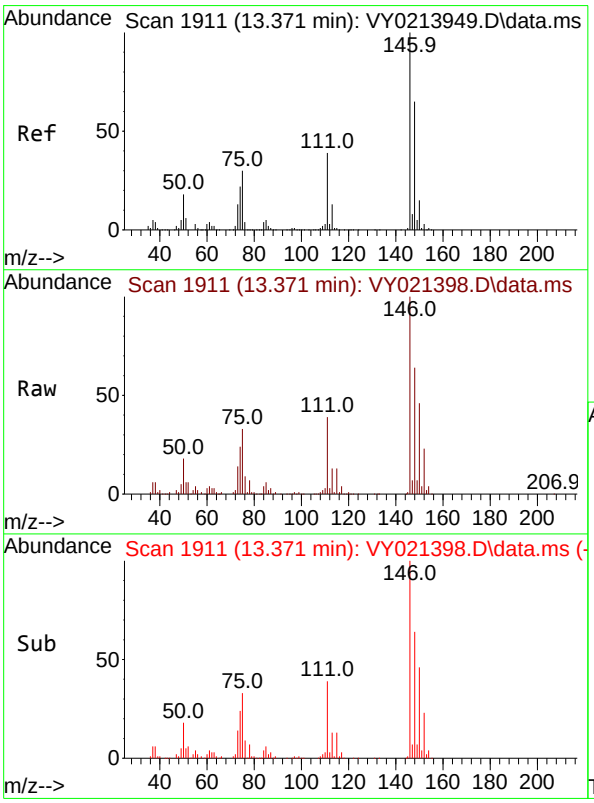
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	60.0
148	63.7	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

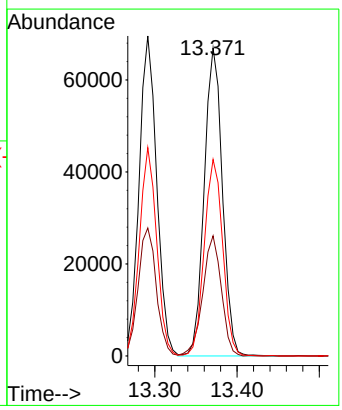


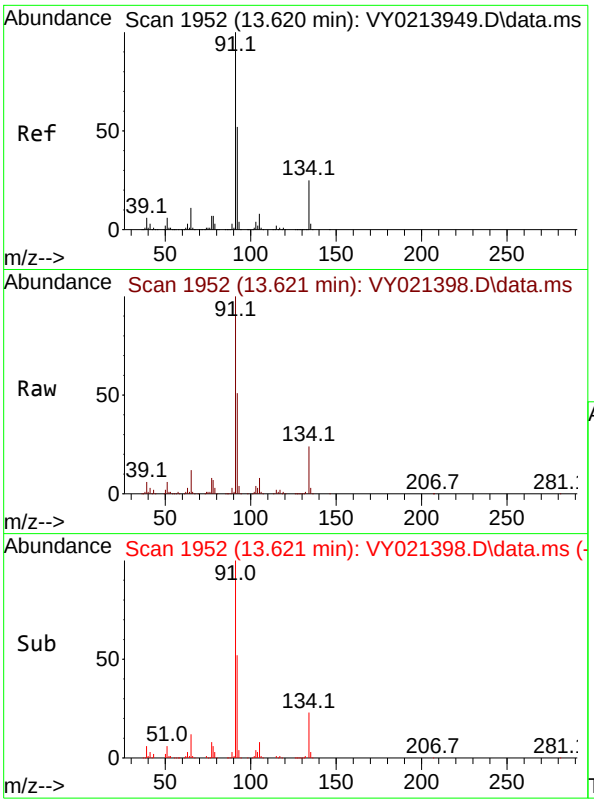


#88
1,4-Dichlorobenzene
Concen: 18.106 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:146 Resp: 102862

Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.8
148	64.7	32.3	96.8





#89
n-Butylbenzene
Concen: 17.741 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

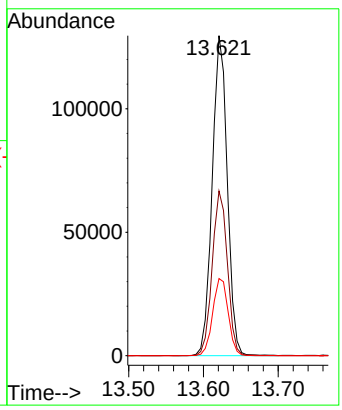
Tgt Ion: 91 Resp: 18160

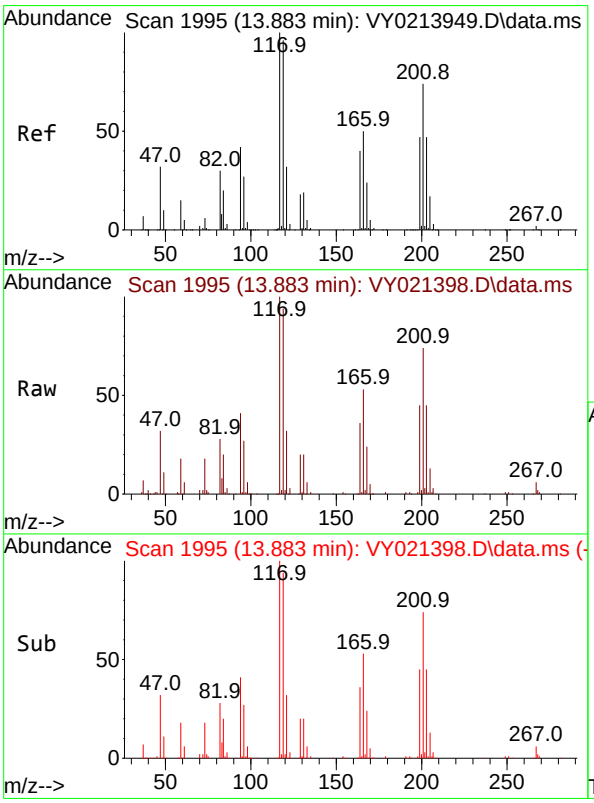
Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.3
134	24.8	12.6	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

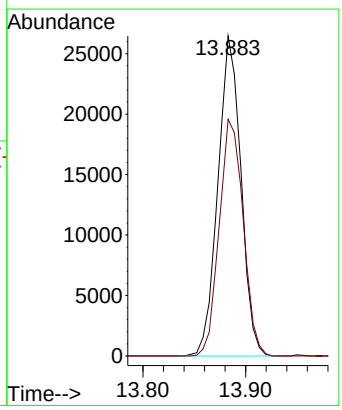


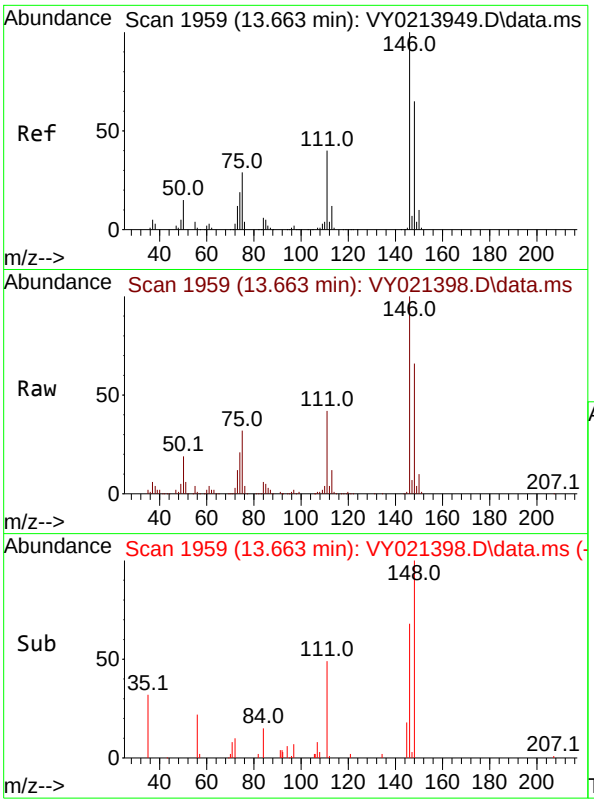


#90
Hexachloroethane
Concen: 17.379 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:117 Resp: 41098

Ion	Ratio	Lower	Upper
117	100		
201	76.9	37.4	112.2

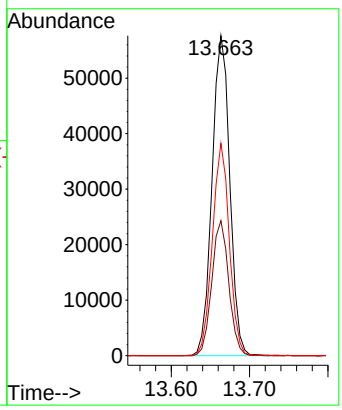




#91
1,2-Dichlorobenzene
Concen: 18.208 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:146 Resp: 9065

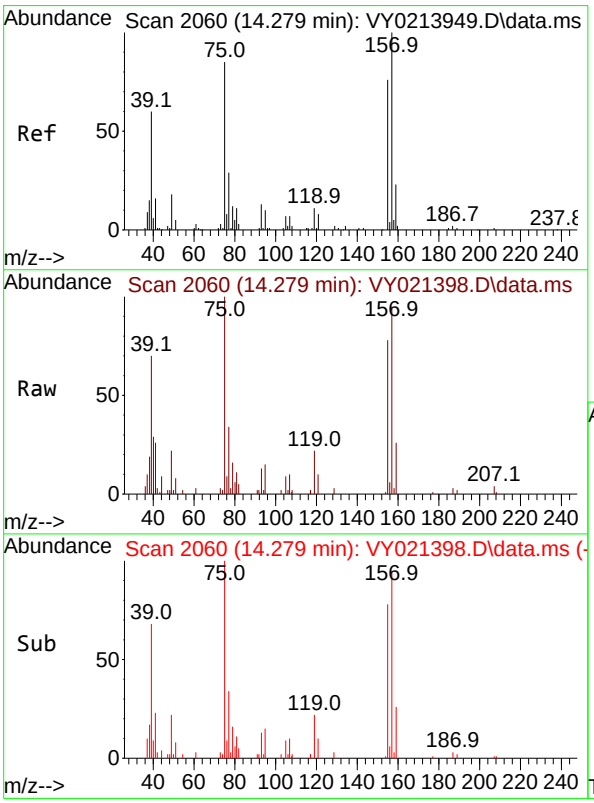
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.7	62.1
148	63.5	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

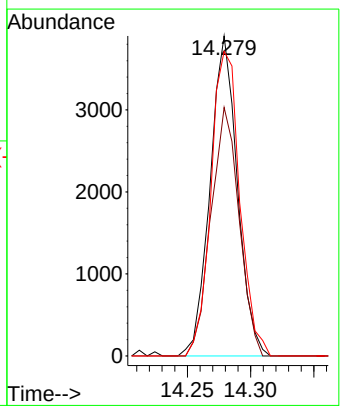
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

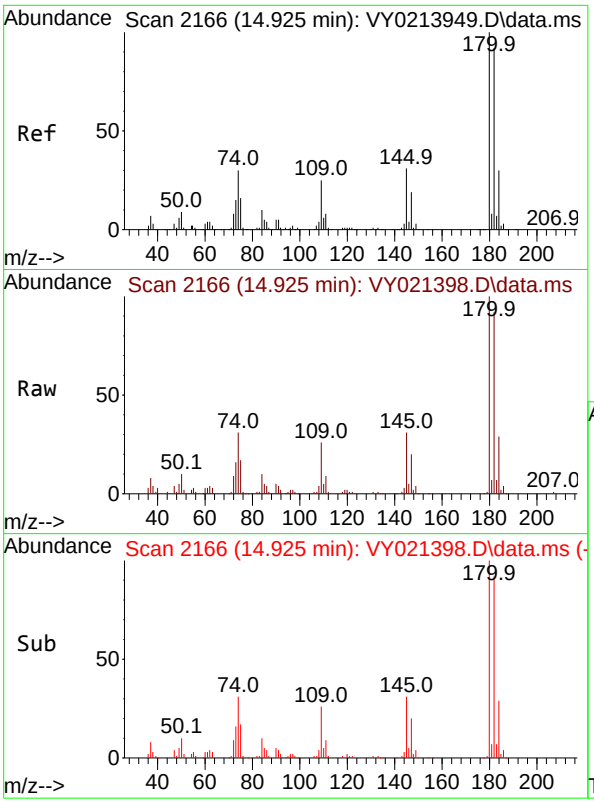


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.741 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 75 Resp: 5850

Ion	Ratio	Lower	Upper
75	100		
155	79.9	43.5	130.5
157	100.7	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 17.127 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

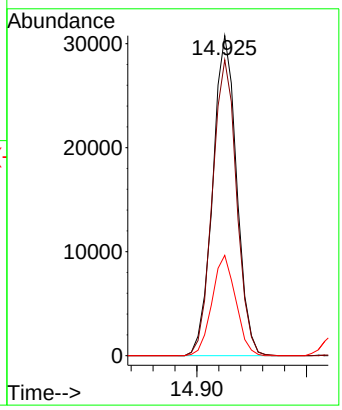
Tgt Ion:180 Resp: 4657

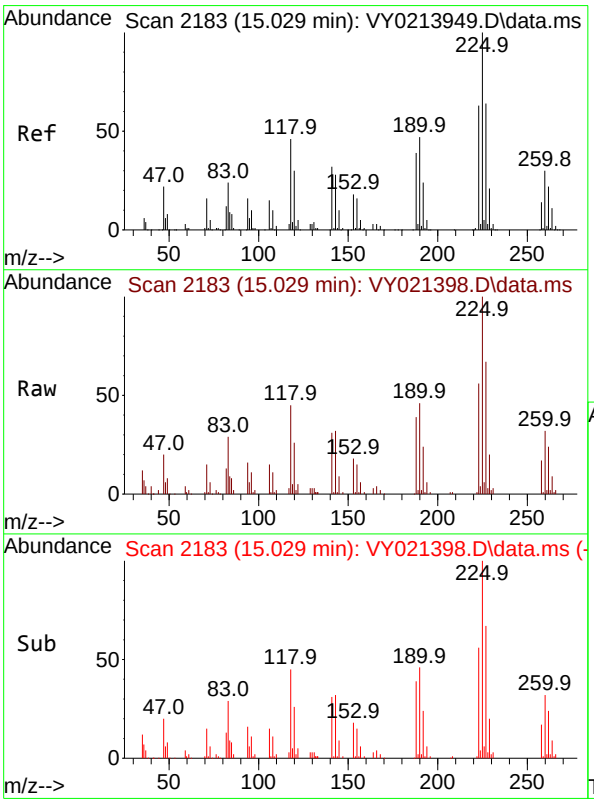
Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.7	140.0
145	31.0	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

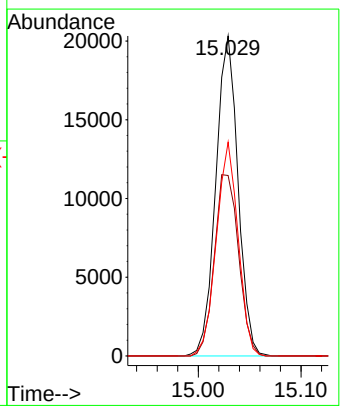


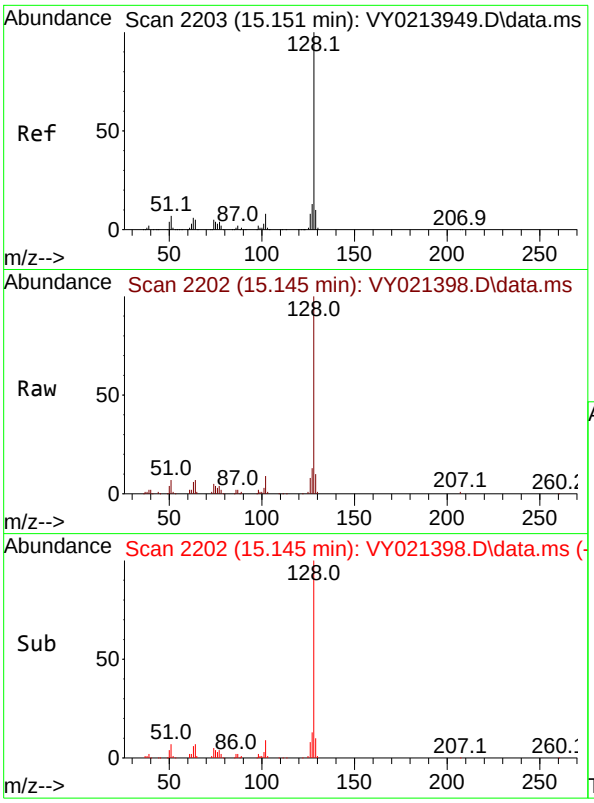


#94
Hexachlorobutadiene
Concen: 17.851 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:225 Resp: 30431

Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.4	94.2
227	65.4	31.8	95.4

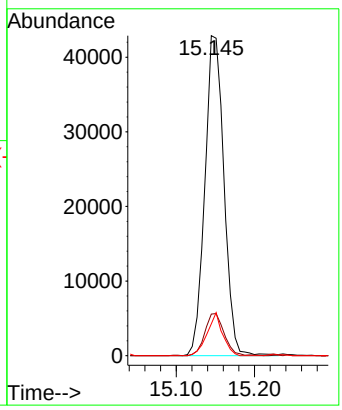




#95
Naphthalene
Concen: 17.845 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:128 Resp: 7273

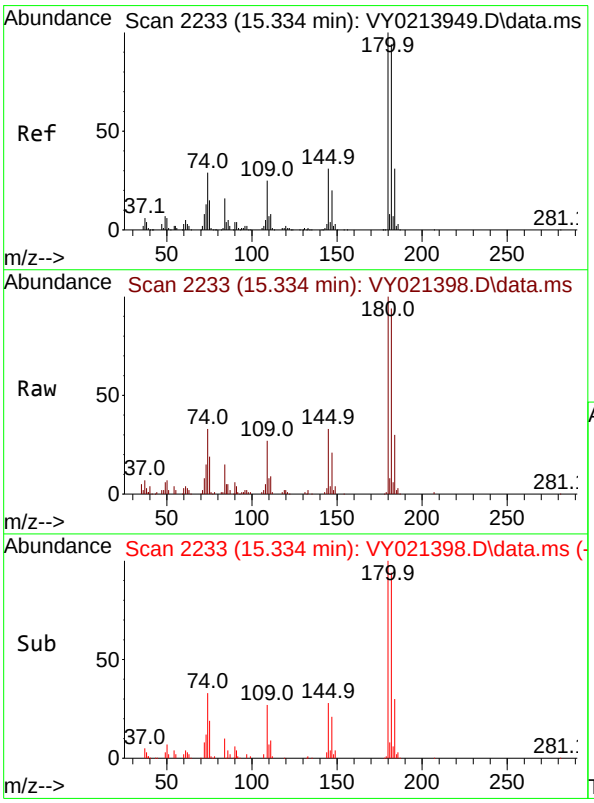
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.8	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

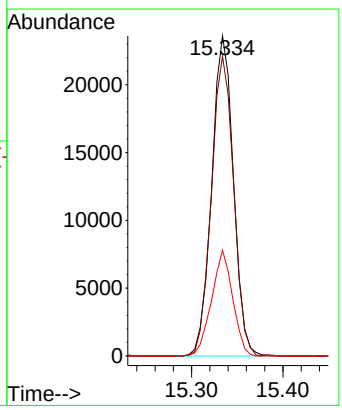
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 16.996 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:180 Resp: 38873

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.2	141.6
145	32.1	16.4	49.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021399.D
Acq On : 04 Mar 2025 10:30
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 05 02:59:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	235140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	360221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	321260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	162486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113391	45.625	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.240%			
35) Dibromofluoromethane	7.640	113	106487	44.973	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.940%			
50) Toluene-d8	10.109	98	408759	45.594	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.180%			
62) 4-Bromofluorobenzene	12.407	95	139117	45.618	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	105206	48.756	ug/l	100
3) Chloromethane	2.074	50	145113	47.700	ug/l	100
4) Vinyl Chloride	2.208	62	162385	48.845	ug/l	100
5) Bromomethane	2.604	94	110008	45.784	ug/l	100
6) Chloroethane	2.738	64	108266	49.279	ug/l	100
7) Trichlorofluoromethane	3.067	101	227308	48.986	ug/l	100
8) Diethyl Ether	3.458	74	66509	51.720	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.830	101	126512	47.753	ug/l	100
10) Methyl Iodide	4.012	142	148683	55.210	ug/l	100
11) Tert butyl alcohol	4.872	59	44476	277.793	ug/l	100
12) 1,1-Dichloroethene	3.799	96	118986	49.262	ug/l	100
13) Acrolein	3.665	56	5354	42.354	ug/l	100
14) Allyl chloride	4.397	41	197932	50.708	ug/l	100
15) Acrylonitrile	5.067	53	146888	268.329	ug/l	100
16) Acetone	3.872	43	157979	291.440	ug/l	100
17) Carbon Disulfide	4.116	76	383514	50.664	ug/l	100
18) Methyl Acetate	4.390	43	66880	55.606	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	321178	52.463	ug/l	100
20) Methylene Chloride	4.622	84	129715	45.588	ug/l	100
21) trans-1,2-Dichloroethene	5.128	96	132731	49.068	ug/l	100
22) Diisopropyl ether	6.024	45	435305	51.747	ug/l	100
23) Vinyl Acetate	5.969	43	1305446	271.918	ug/l	100
24) 1,1-Dichloroethane	5.927	63	247003	49.750	ug/l	100
25) 2-Butanone	6.896	43	212274	283.093	ug/l	100
26) 2,2-Dichloropropane	6.890	77	220625	48.295	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	153891	50.078	ug/l	100
28) Bromochloromethane	7.250	49	109912	52.805	ug/l	100
29) Tetrahydrofuran	7.268	42	129976	280.779	ug/l	100
30) Chloroform	7.426	83	255675	49.593	ug/l	100
31) Cyclohexane	7.707	56	221181	47.519	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	230018	48.727	ug/l	100
36) 1,1-Dichloropropene	7.841	75	186577	50.340	ug/l	100
37) Ethyl Acetate	6.988	43	89317	53.423	ug/l	100
38) Carbon Tetrachloride	7.823	117	211310	49.573	ug/l	100
39) Methylcyclohexane	9.115	83	234520	51.585	ug/l	100
40) Benzene	8.085	78	555364	50.867	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021399.D
Acq On : 04 Mar 2025 10:30
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:59:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	47147	51.774	ug/l	100
42) 1,2-Dichloroethane	8.164	62	157205	51.469	ug/l	100
43) Isopropyl Acetate	8.201	43	173913	54.689	ug/l	100
44) Trichloroethene	8.871	130	137378	49.793	ug/l	100
45) 1,2-Dichloropropane	9.146	63	132392	50.949	ug/l	100
46) Dibromomethane	9.237	93	76517	52.923	ug/l	100
47) Bromodichloromethane	9.426	83	197243	51.370	ug/l	100
48) Methyl methacrylate	9.225	41	82355	55.853	ug/l	100
49) 1,4-Dioxane	9.231	88	16238	1144.224	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	472885	288.203	ug/l	100
52) Toluene	10.176	92	356029	51.723	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	179810	53.154	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	211622	52.691	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	101913	53.886	ug/l	100
56) Ethyl methacrylate	10.444	69	137939	57.187	ug/l	100
57) 1,3-Dichloropropane	10.719	76	172259	52.551	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	313349	281.418	ug/l	100
59) 2-Hexanone	10.761	43	327200	301.583	ug/l	100
60) Dibromochloromethane	10.914	129	135595	52.296	ug/l	100
61) 1,2-Dibromoethane	11.017	107	94280	52.819	ug/l	100
64) Tetrachloroethene	10.652	164	129562	49.596	ug/l	100
65) Chlorobenzene	11.444	112	381086	50.233	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	135273	50.434	ug/l	100
67) Ethyl Benzene	11.523	91	685789	51.502	ug/l	100
68) m/p-Xylenes	11.633	106	528037	104.452	ug/l	100
69) o-Xylene	11.956	106	243863	52.341	ug/l	100
70) Styrene	11.974	104	410178	53.068	ug/l	100
71) Bromoform	12.133	173	80342	53.584	ug/l	100
73) Isopropylbenzene	12.255	105	655492	51.212	ug/l	100
74) N-amyl acetate	12.072	43	154403	55.547	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.511	83	118077	52.277	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	79840m	48.762	ug/l	
77) Bromobenzene	12.535	156	150460	50.247	ug/l	100
78) n-propylbenzene	12.596	91	797005	51.272	ug/l	100
79) 2-Chlorotoluene	12.682	91	445409	50.112	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	528974	50.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	38697	53.727	ug/l	100
82) 4-Chlorotoluene	12.779	91	462879	50.291	ug/l	100
83) tert-Butylbenzene	12.999	119	475042	51.194	ug/l	100
84) 1,2,4-Trimethylbenzene	13.047	105	531919	51.505	ug/l	100
85) sec-Butylbenzene	13.175	105	708040	51.284	ug/l	100
86) p-Isopropyltoluene	13.297	119	583517	51.302	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	294406	49.392	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	289572	49.675	ug/l	100
89) n-Butylbenzene	13.620	91	550274	52.392	ug/l	100
90) Hexachloroethane	13.883	117	118465	48.822	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	258078	50.517	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	17568	51.924	ug/l	100
93) 1,2,4-Trichlorobenzene	14.925	180	147587	52.891	ug/l	100
94) Hexachlorobutadiene	15.029	225	89592	51.220	ug/l	100
95) Naphthalene	15.151	128	256660	53.894	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	125962	53.673	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021399.D
Acq On : 04 Mar 2025 10:30
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:59:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

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

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

Quantitation Report (QT Reviewed)

ICAL Form

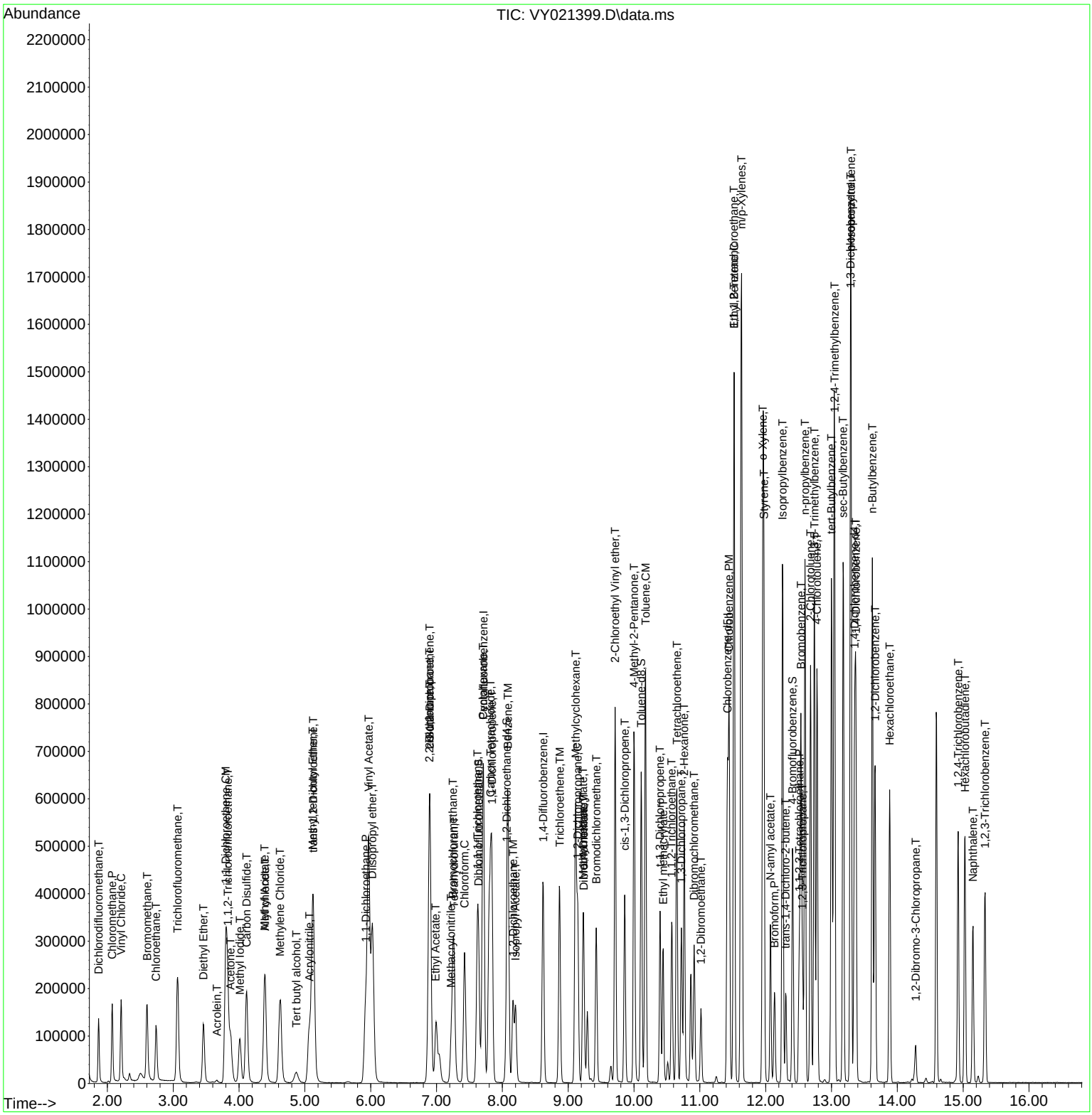
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021399.D
Acq On : 04 Mar 2025 10:30
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

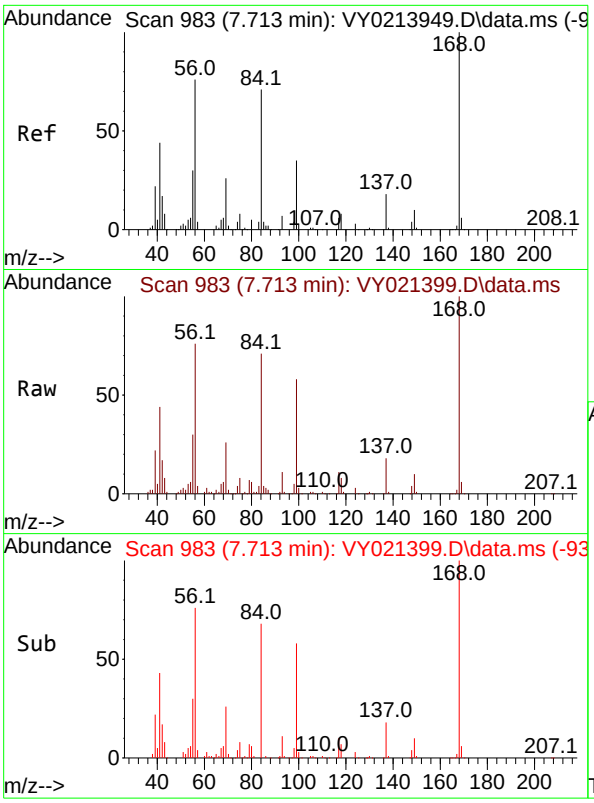
Quant Time: Mar 05 02:59:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

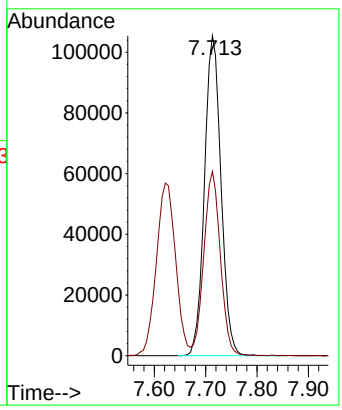




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:168 Resp: 23514

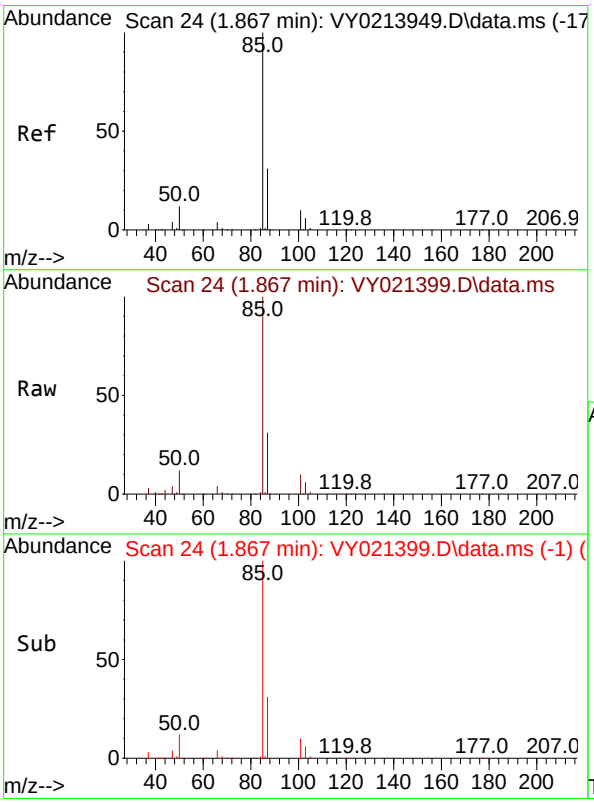
Ion	Ratio	Lower	Upper
168	100		
99	57.5	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

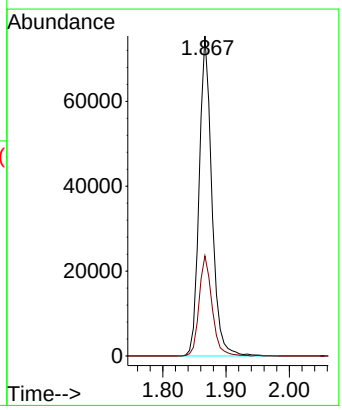
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

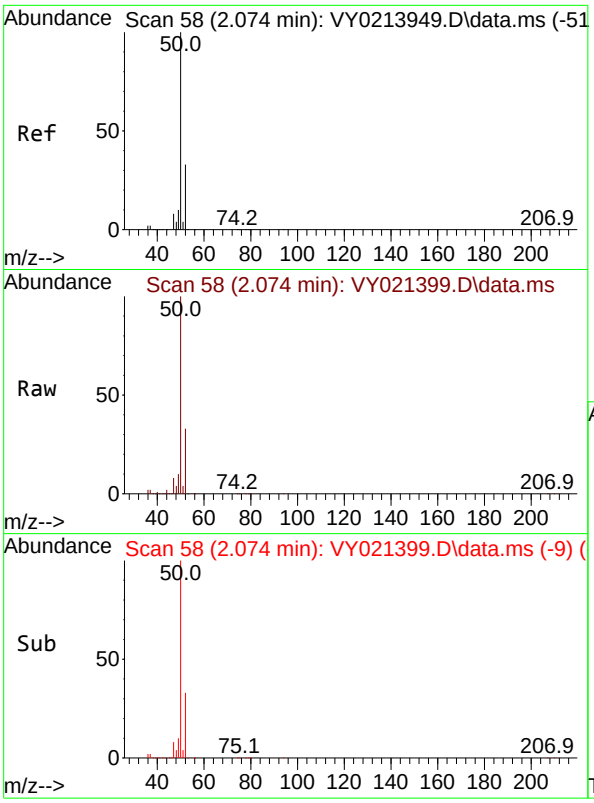


#2
Dichlorodifluoromethane
Concen: 48.756 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 85 Resp: 105206

Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.7	47.0

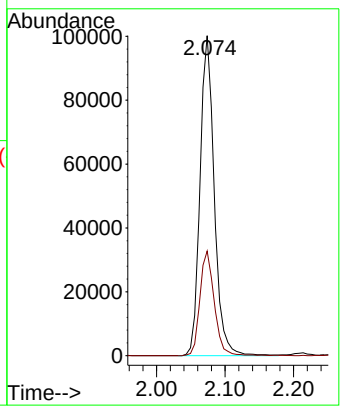




#3
Chloromethane
Concen: 47.700 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 50 Resp: 14511

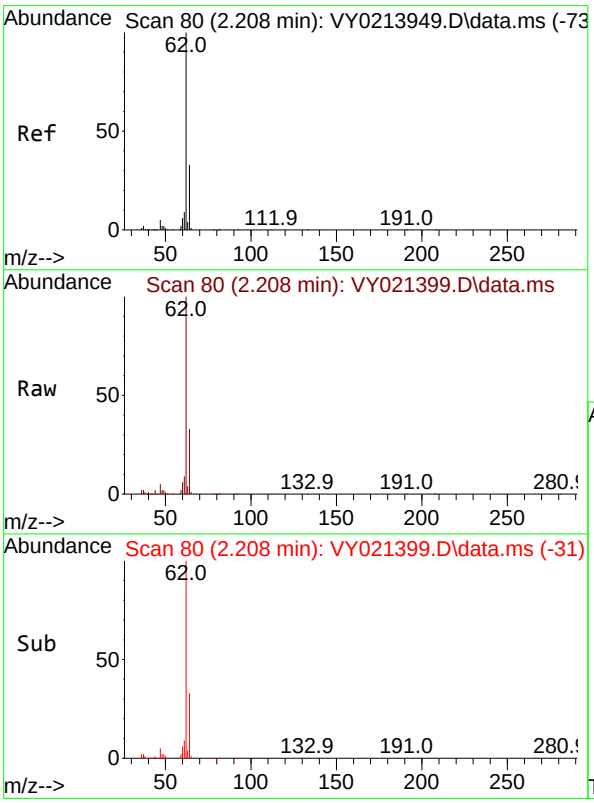
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

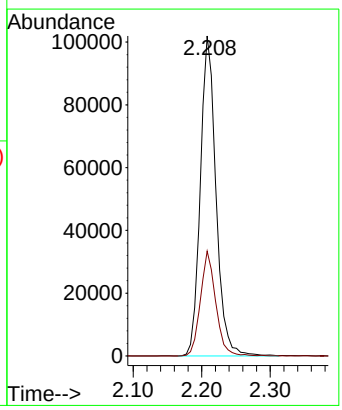
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

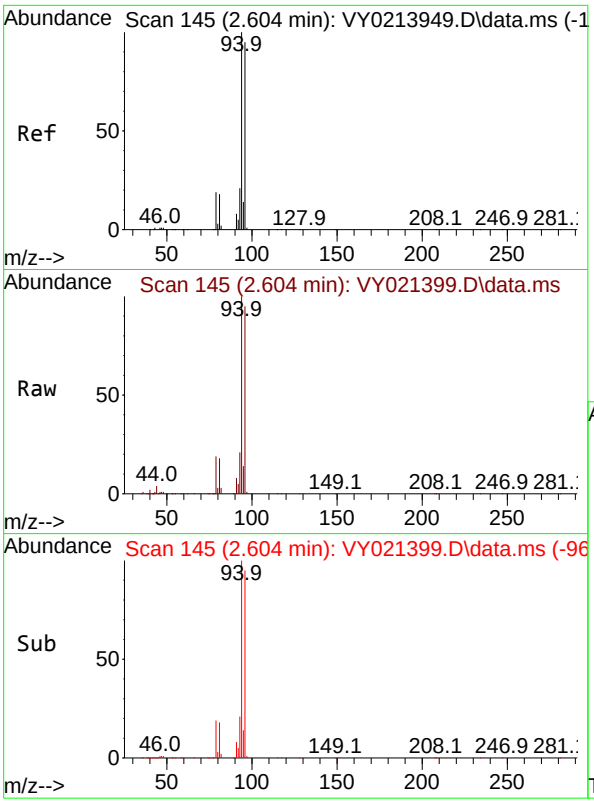


#4
Vinyl Chloride
Concen: 48.845 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 62 Resp: 162385

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.2





#5
Bromomethane
Concen: 45.784 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

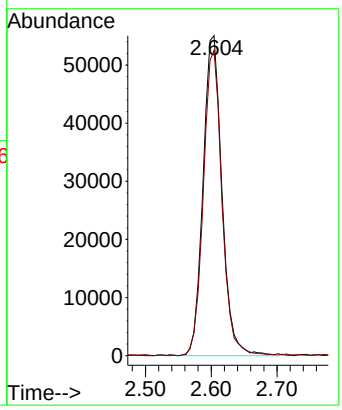
Tgt Ion: 94 Resp: 11000

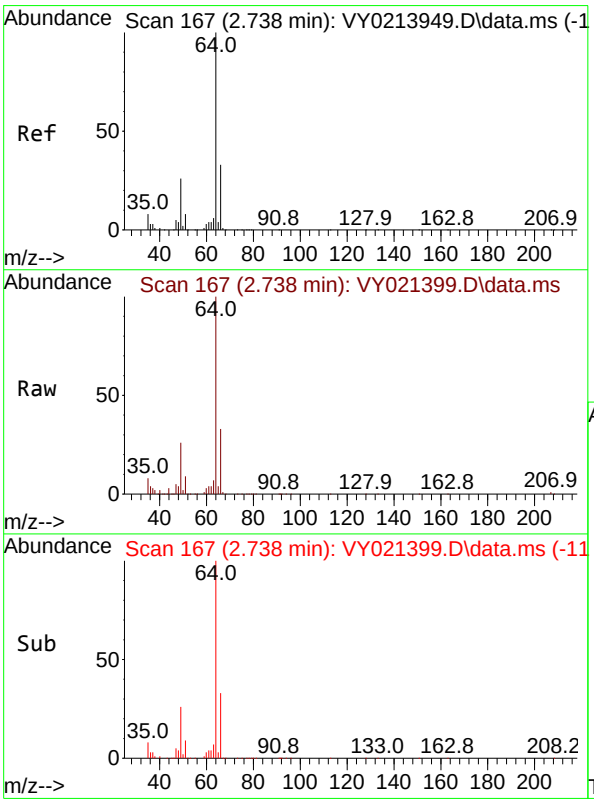
Ion	Ratio	Lower	Upper
94	100		
96	95.4	76.3	114.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

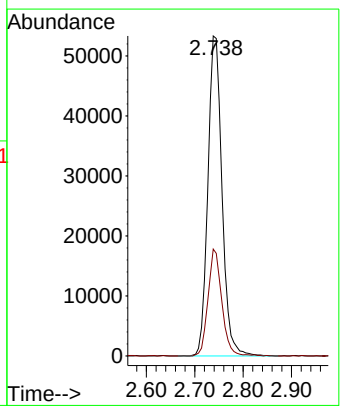


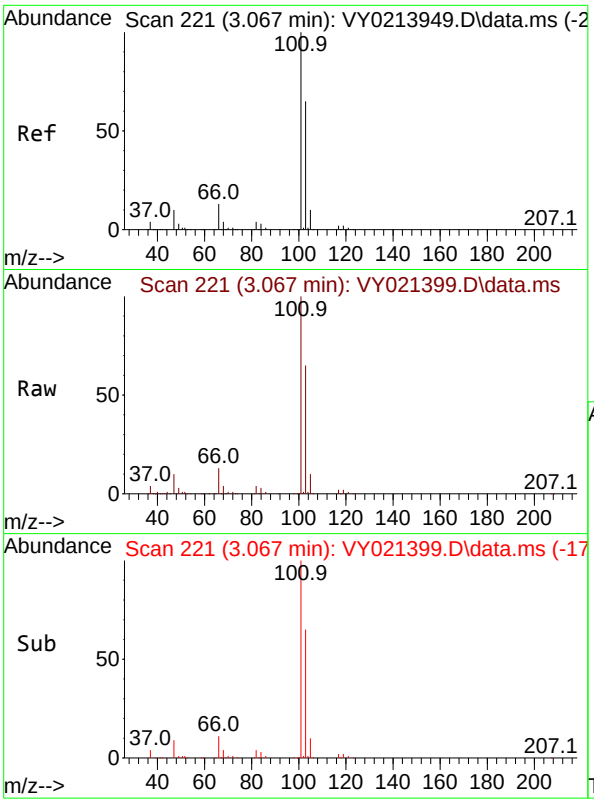


#6
Chloroethane
Concen: 49.279 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 64 Resp: 108266

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1

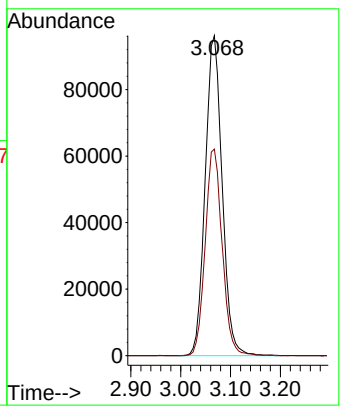




#7
Trichlorofluoromethane
Concen: 48.986 ug/l
RT: 3.067 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:101 Resp: 22730

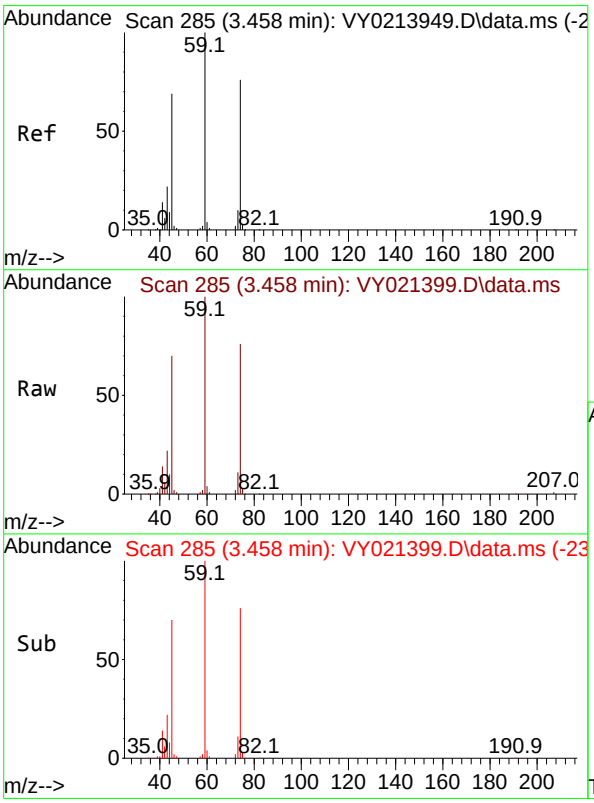
Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

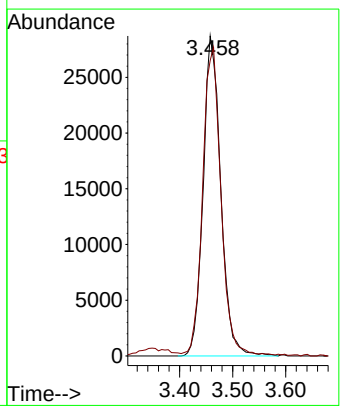
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

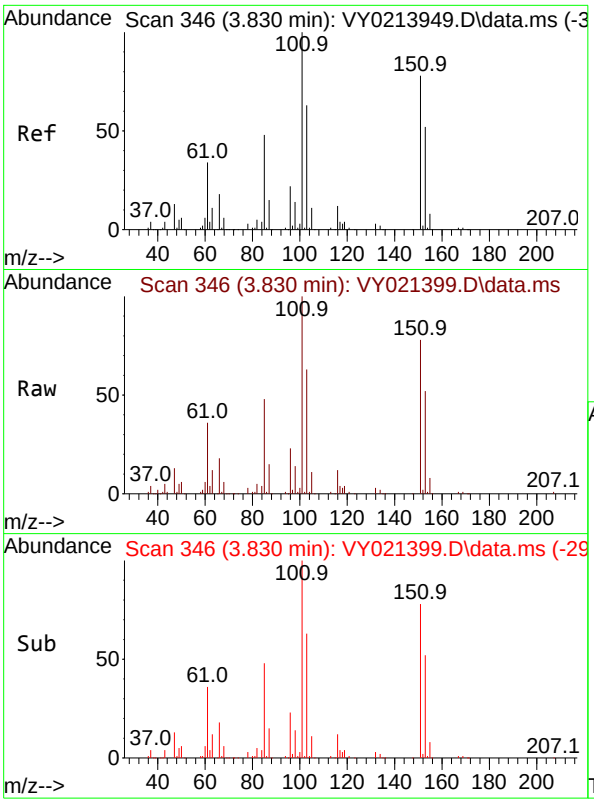


#8
Diethyl Ether
Concen: 51.720 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 74 Resp: 66509

Ion	Ratio	Lower	Upper
74	100		
45	99.4	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.753 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

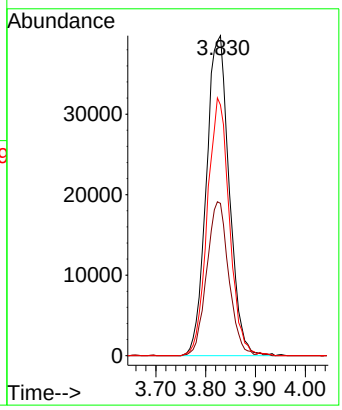
Tgt Ion:101 Resp: 12651

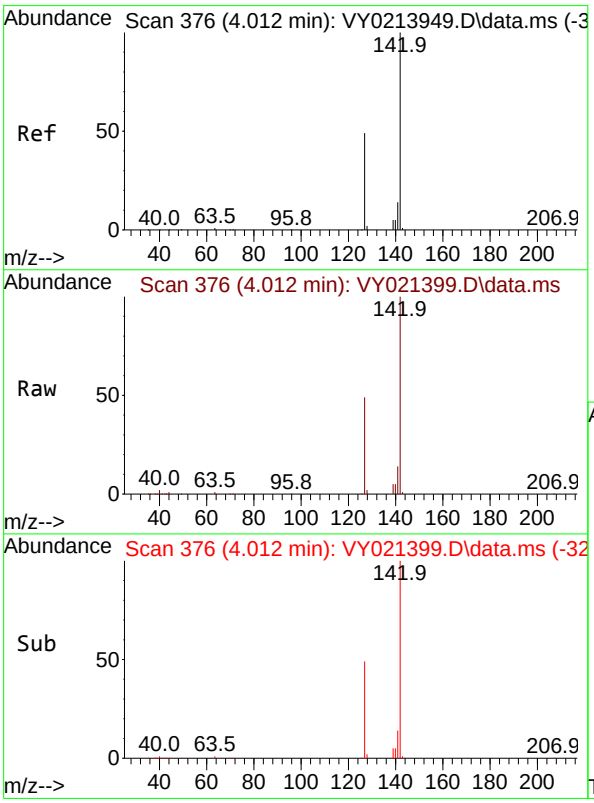
Ion	Ratio	Lower	Upper
101	100		
85	46.4	37.1	55.7
151	77.6	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

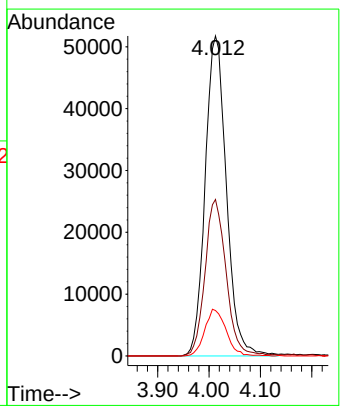


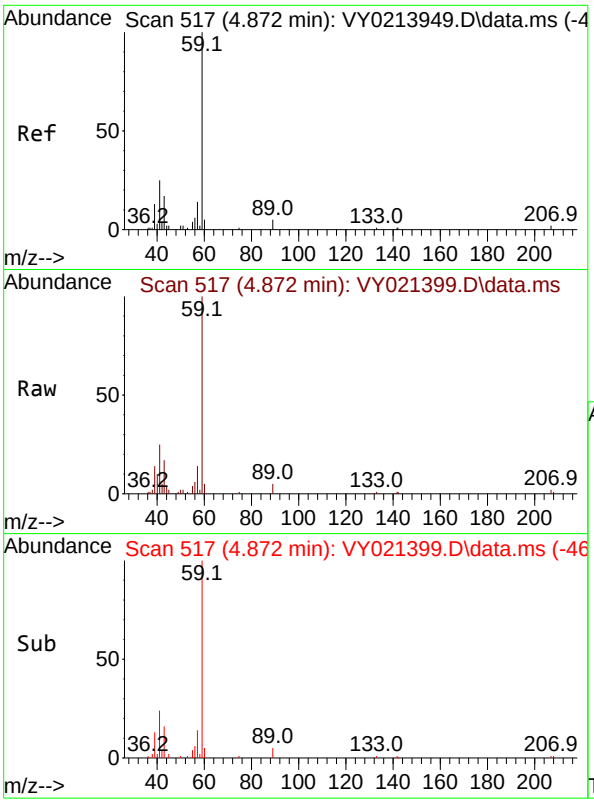


#10
Methyl Iodide
Concen: 55.210 ug/l
RT: 4.012 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:142 Resp: 148683

Ion	Ratio	Lower	Upper
142	100		
127	48.9	39.1	58.7
141	14.7	11.8	17.6

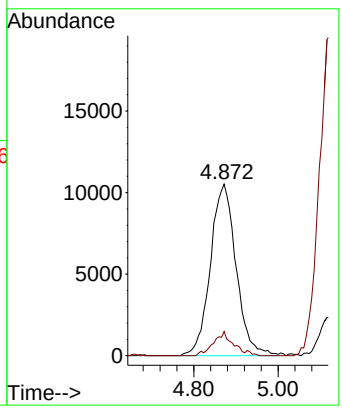




#11
Tert butyl alcohol
Concen: 277.793 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 59 Resp: 4447

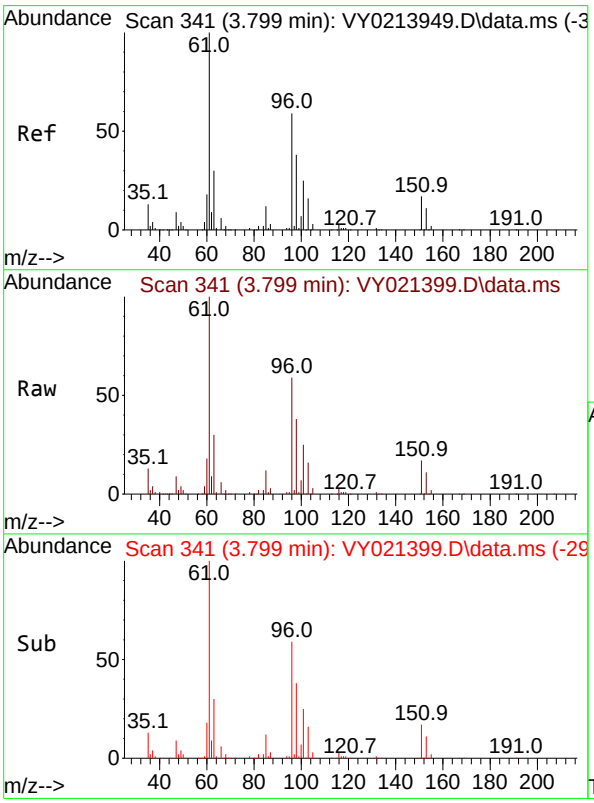
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

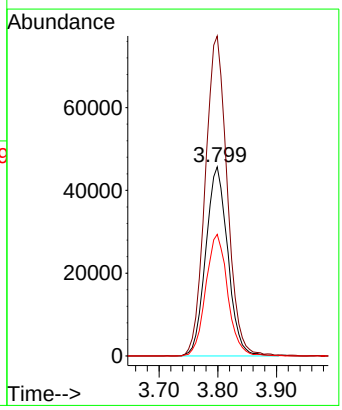
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

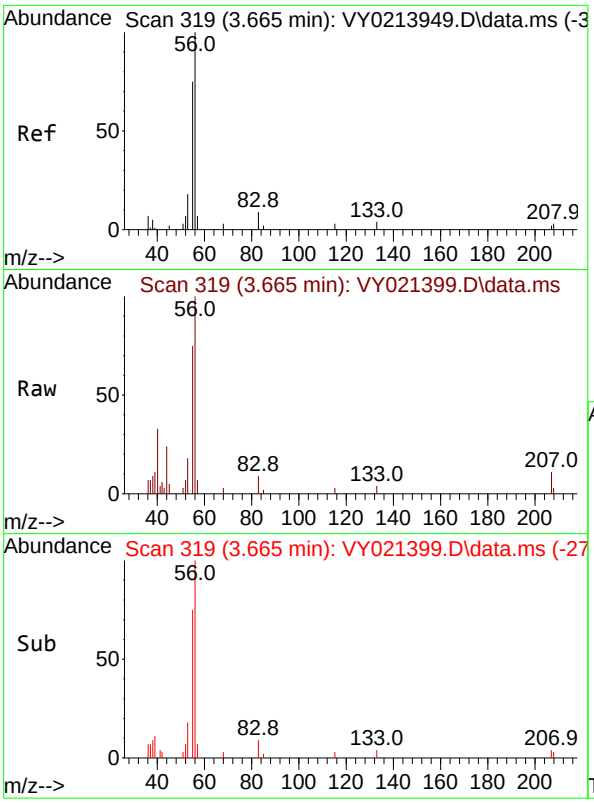


#12
1,1-Dichloroethene
Concen: 49.262 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 96 Resp: 118986

Ion	Ratio	Lower	Upper
96	100		
61	169.0	135.2	202.8
98	64.3	51.4	77.2

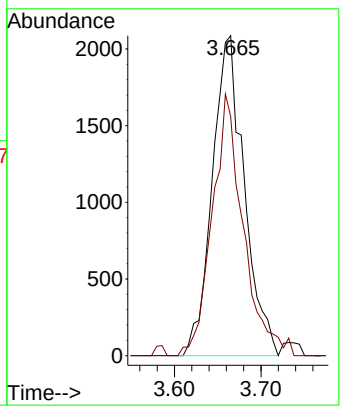




#13
Acrolein
Concen: 42.354 ug/l
RT: 3.665 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 56 Resp: 535

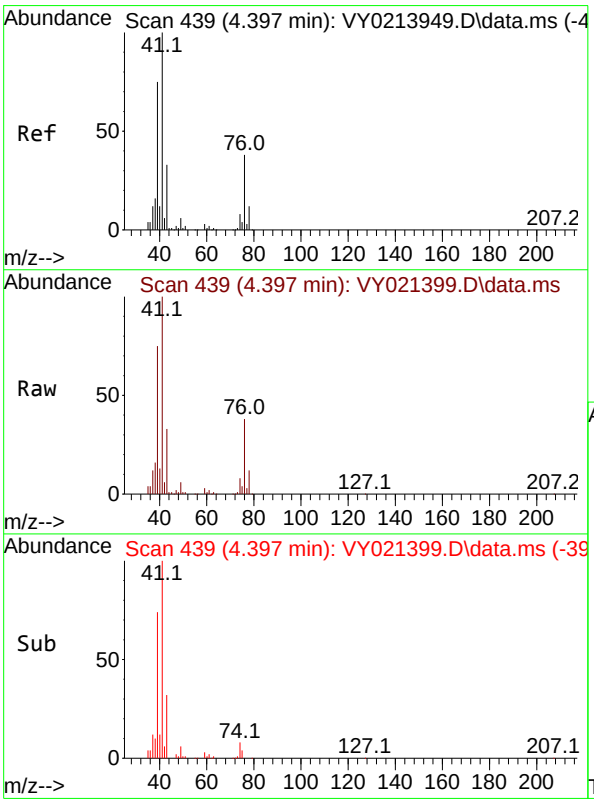
Ion	Ratio	Lower	Upper
56	100		
55	79.3	63.4	95.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

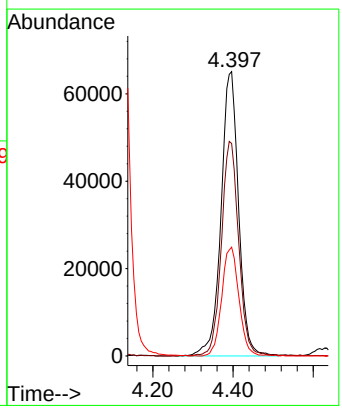
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

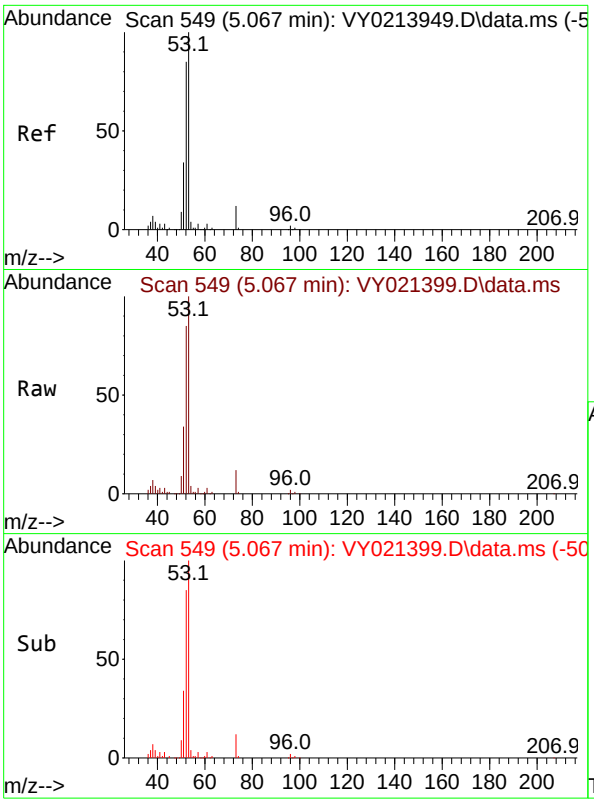


#14
Allyl chloride
Concen: 50.708 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 41 Resp: 197932

Ion	Ratio	Lower	Upper
41	100		
39	74.1	59.3	88.9
76	37.3	29.8	44.8

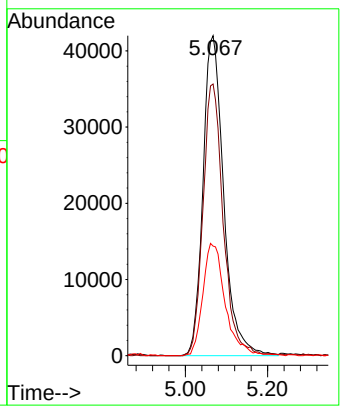




#15
Acrylonitrile
Concen: 268.329 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 53 Resp: 14688

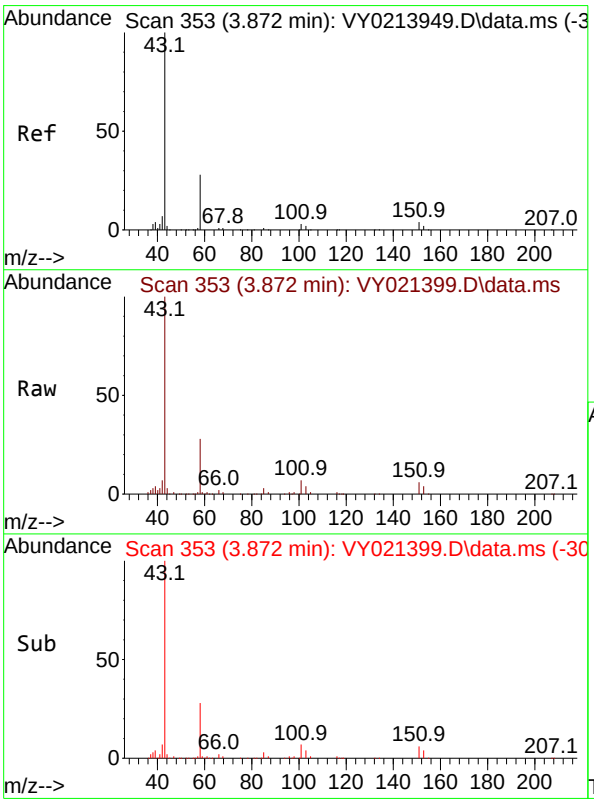
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.3	99.5
51	37.9	30.3	45.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

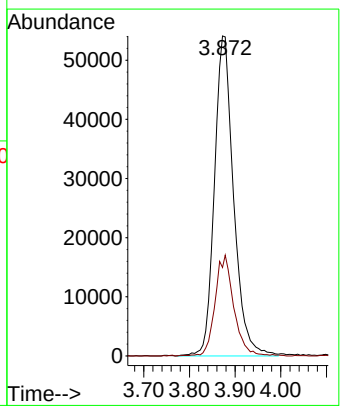
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

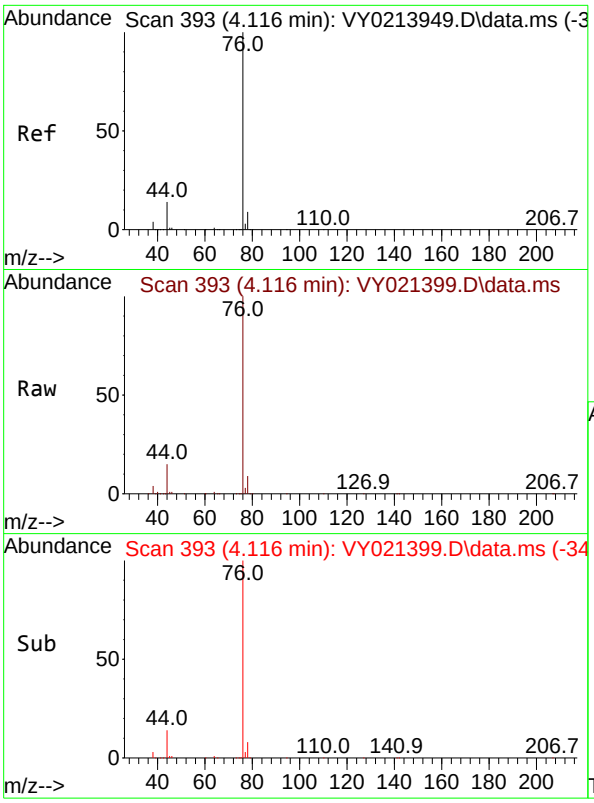


#16
Acetone
Concen: 291.440 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 157979

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.1	33.1





#17
Carbon Disulfide
Concen: 50.664 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

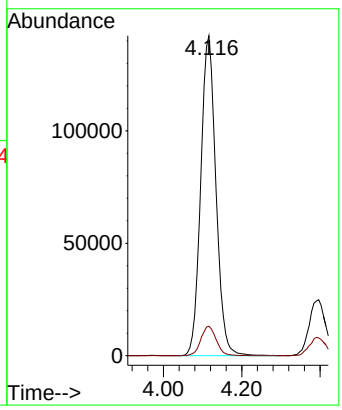
Tgt Ion: 76 Resp: 38351

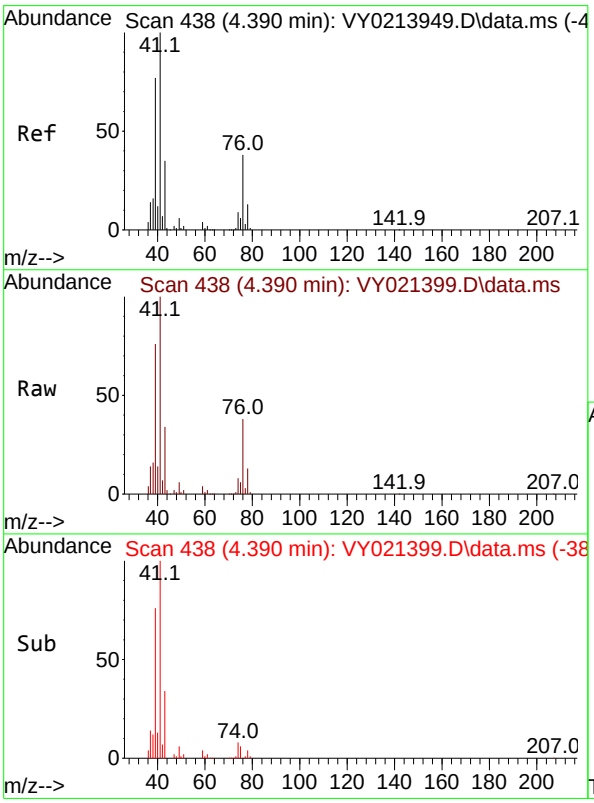
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

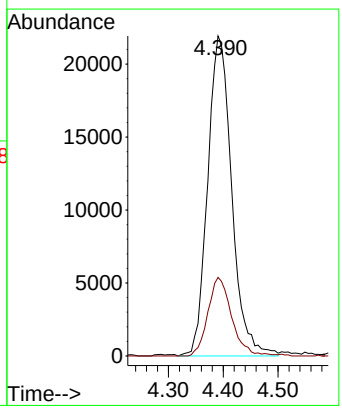


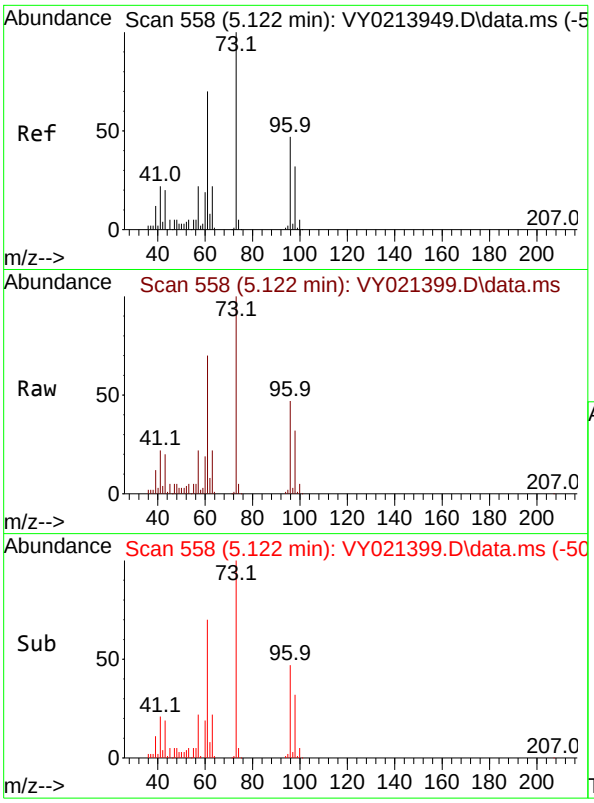


#18
Methyl Acetate
Concen: 55.606 ug/l
RT: 4.390 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 66880

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.4	29.0

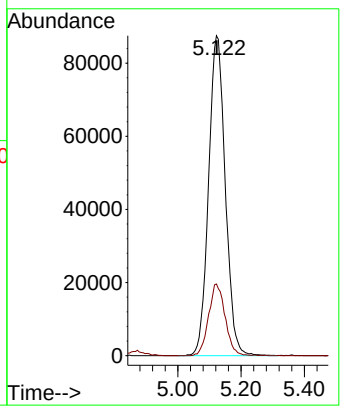




#19
Methyl tert-butyl Ether
Concen: 52.463 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 73 Resp: 32117

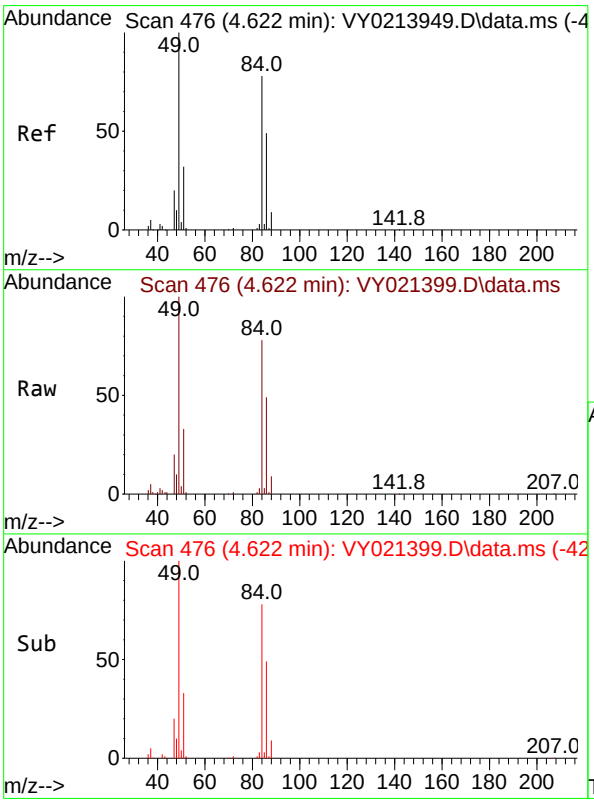
Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

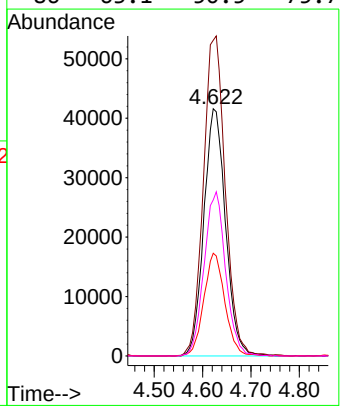
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

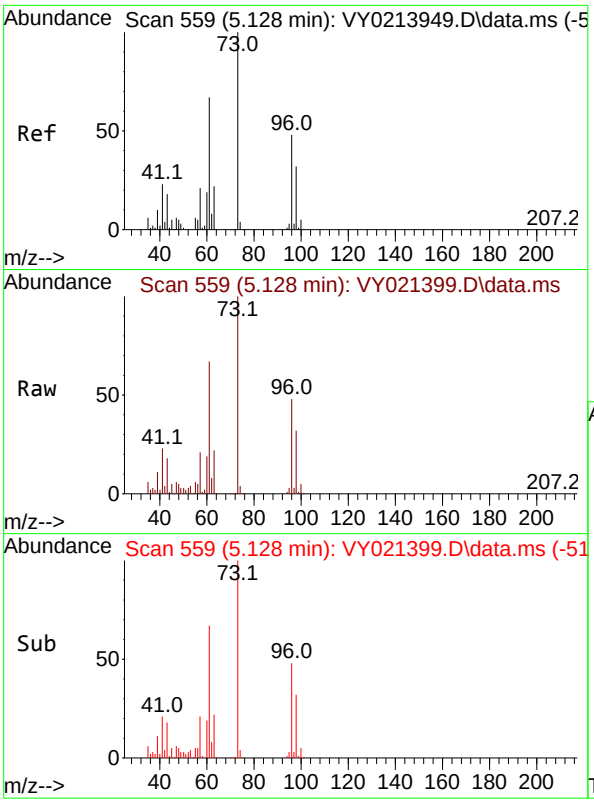


#20
Methylene Chloride
Concen: 45.588 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 84 Resp: 129715

Ion	Ratio	Lower	Upper
84	100		
49	127.5	102.0	153.0
51	41.3	33.0	49.6
86	63.1	50.5	75.7

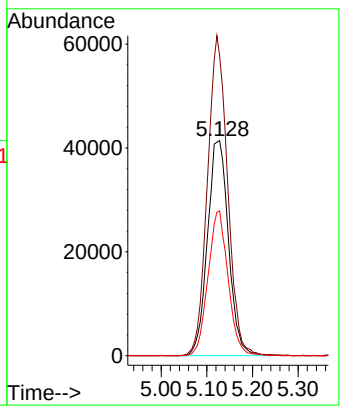




#21
trans-1,2-Dichloroethene
Concen: 49.068 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 96 Resp: 13273

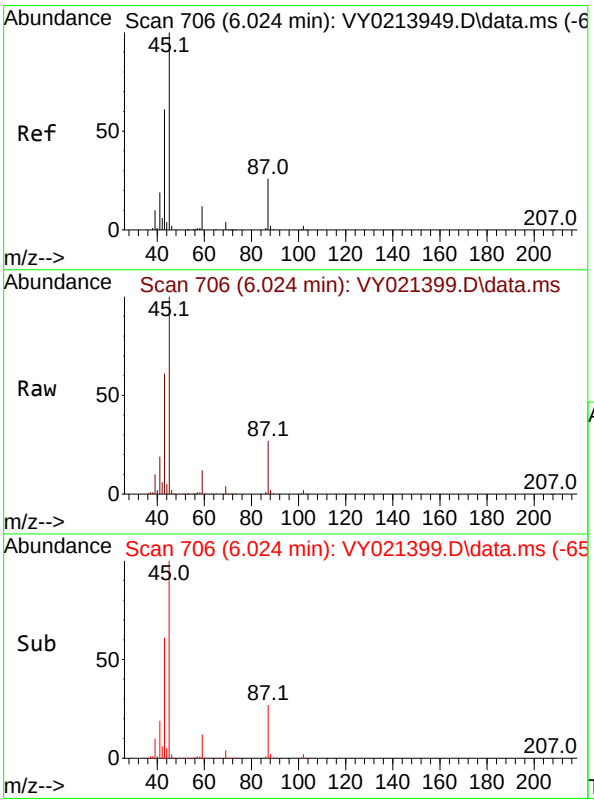
Ion	Ratio	Lower	Upper
96	100		
61	139.4	111.5	167.3
98	67.3	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

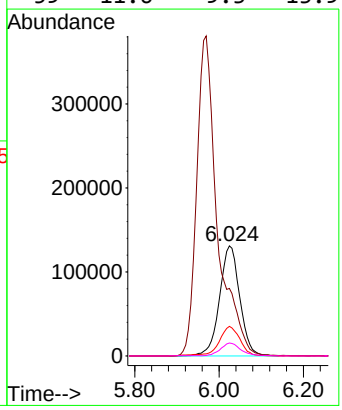
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

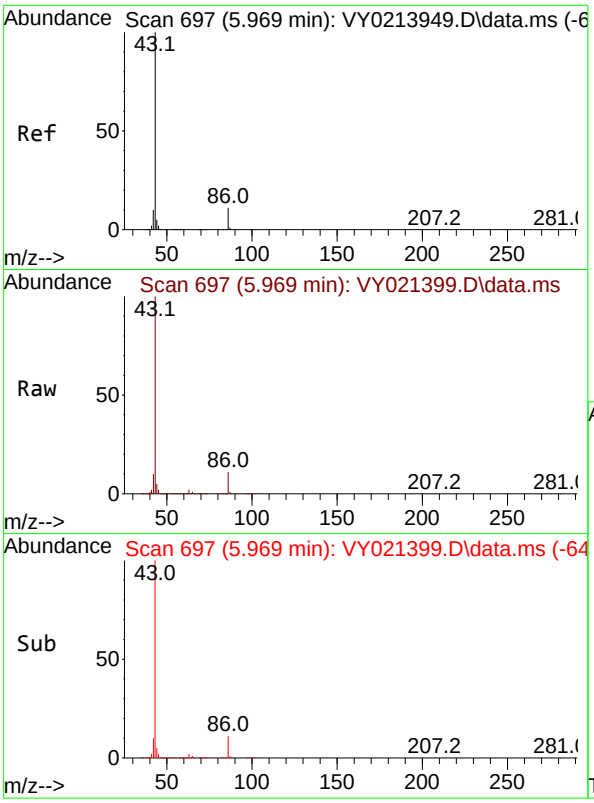


#22
Diisopropyl ether
Concen: 51.747 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 45 Resp: 435305

Ion	Ratio	Lower	Upper
45	100		
43	60.9	48.7	73.1
87	26.9	21.5	32.3
59	11.6	9.3	13.9

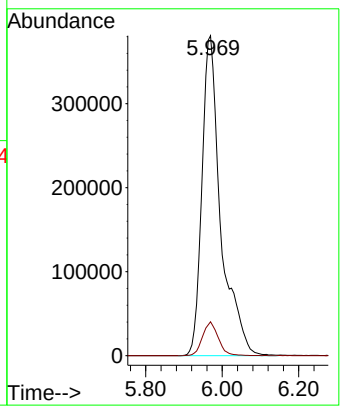




#23
Vinyl Acetate
Concen: 271.918 ug/l
RT: 5.969 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 130544

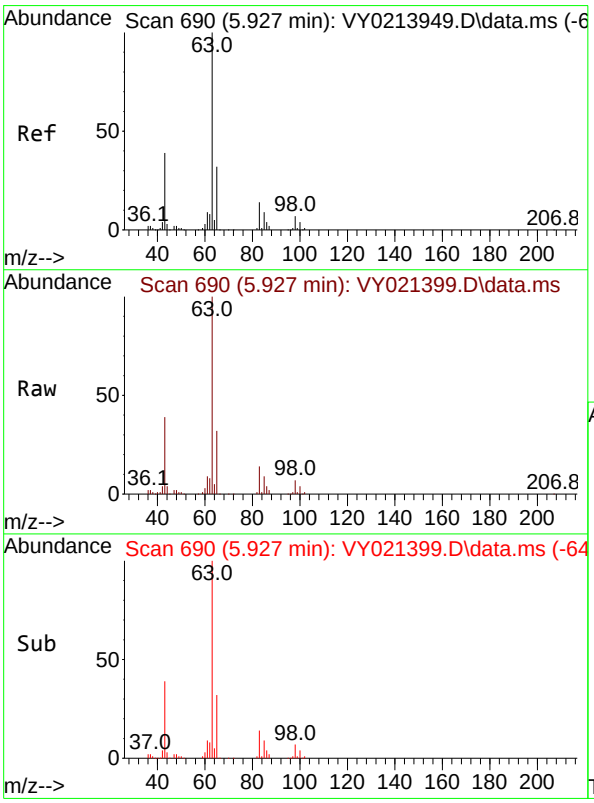
Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

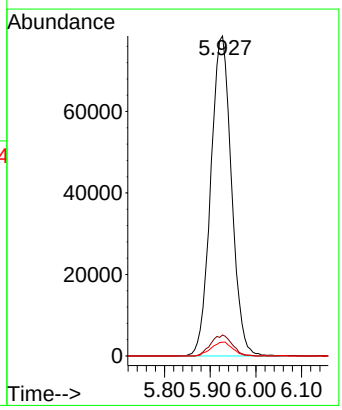
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

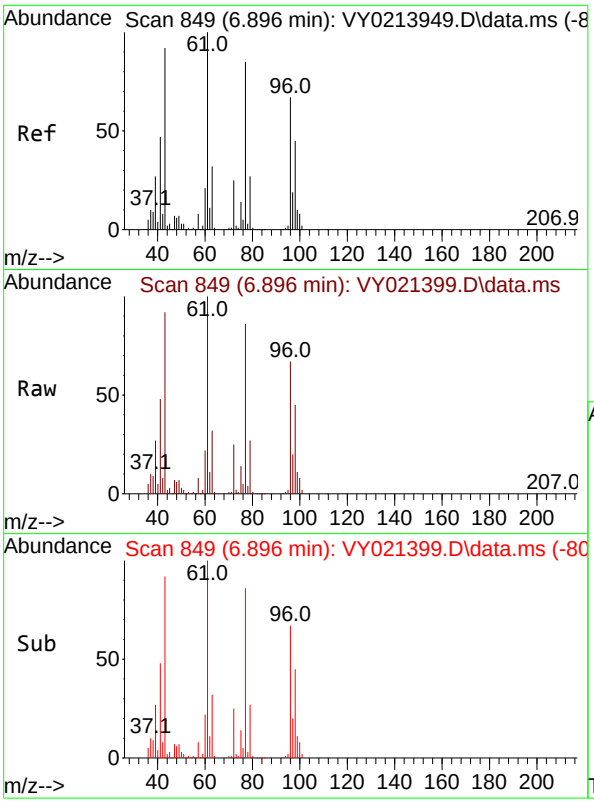


#24
1,1-Dichloroethane
Concen: 49.750 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 63 Resp: 247003

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.9
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 283.093 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

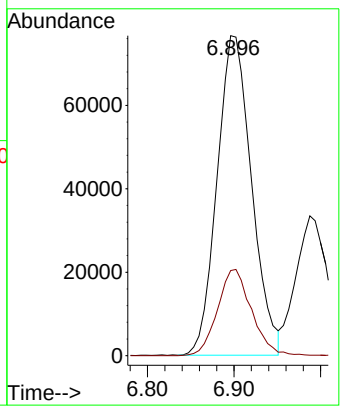
Tgt Ion: 43 Resp: 21227

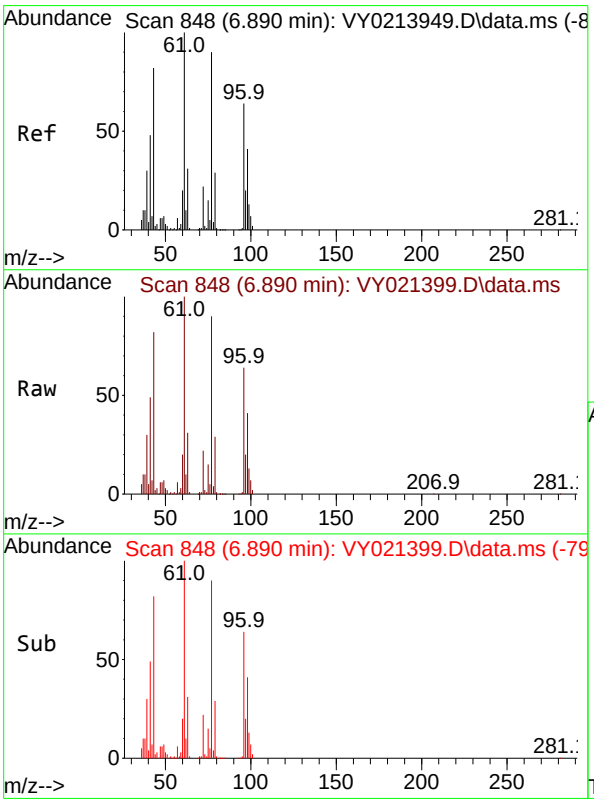
Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

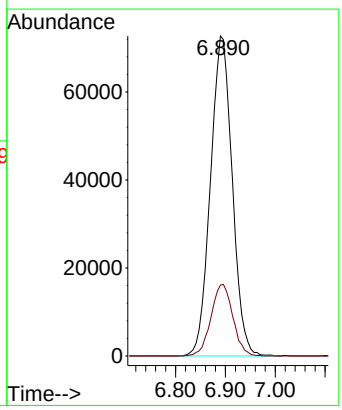


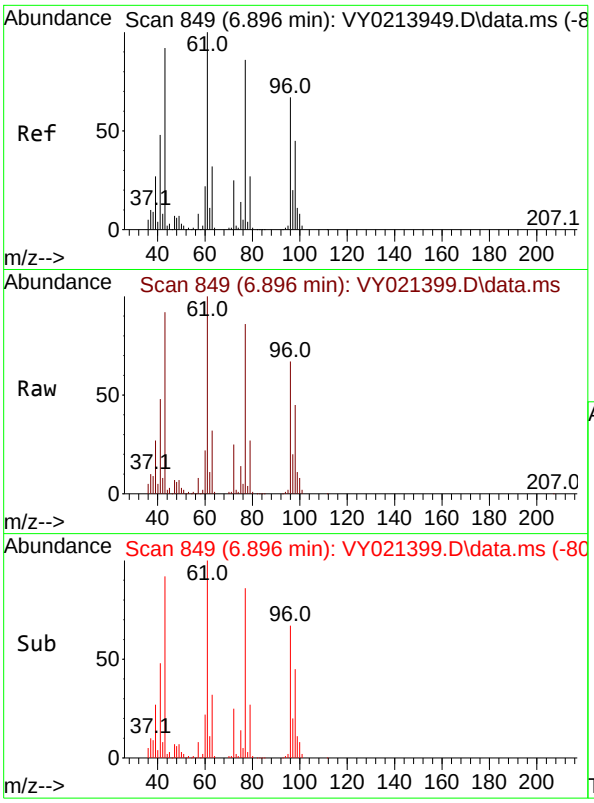


#26
2,2-Dichloropropane
Concen: 48.295 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 77 Resp: 220625

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.3	33.8

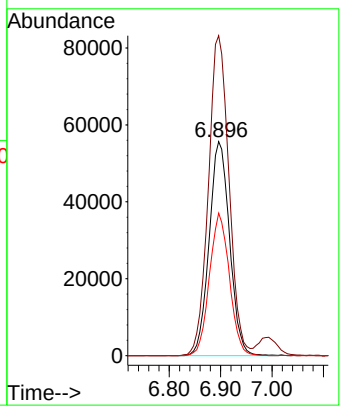




#27
cis-1,2-Dichloroethene
Concen: 50.078 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 96 Resp: 15389

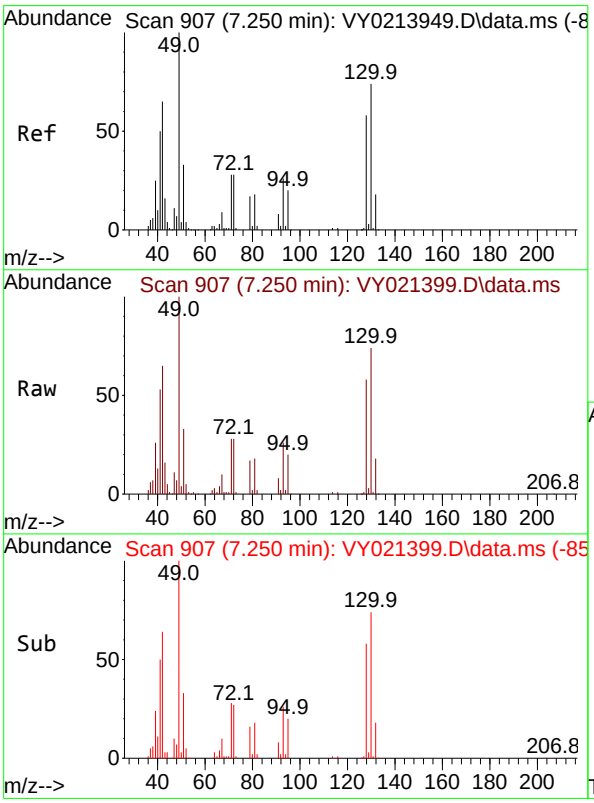
Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	300.8
98	65.0	0.0	130.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

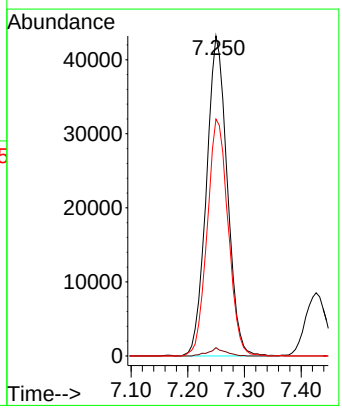
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

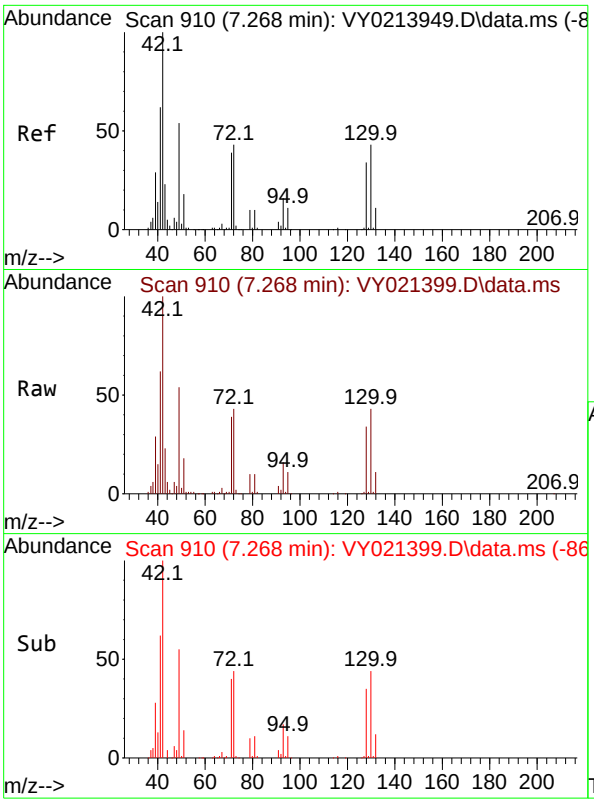


#28
Bromochloromethane
Concen: 52.805 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 49 Resp: 109912

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	74.5	59.6	89.4

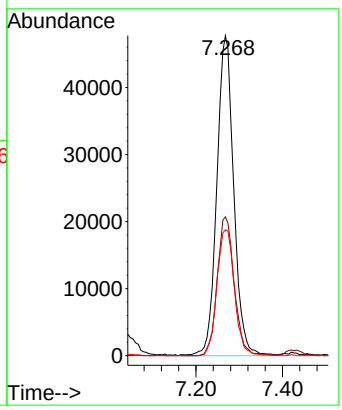




#29
Tetrahydrofuran
Concen: 280.779 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 42 Resp: 12997

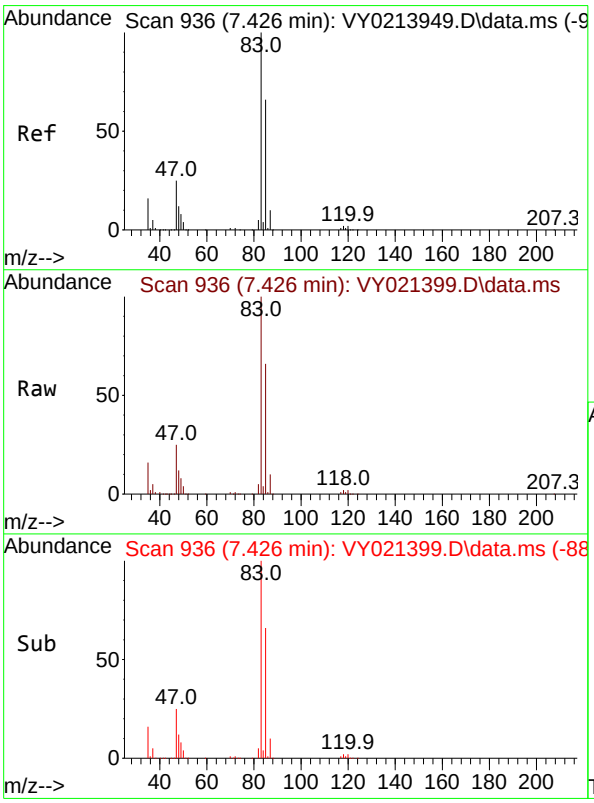
Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.8	52.2
71	40.7	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

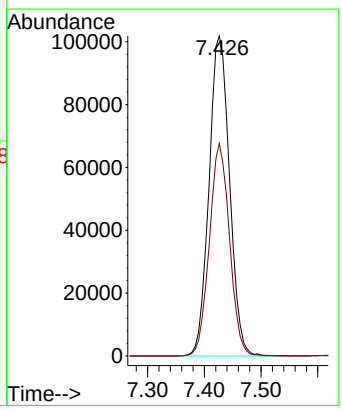
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

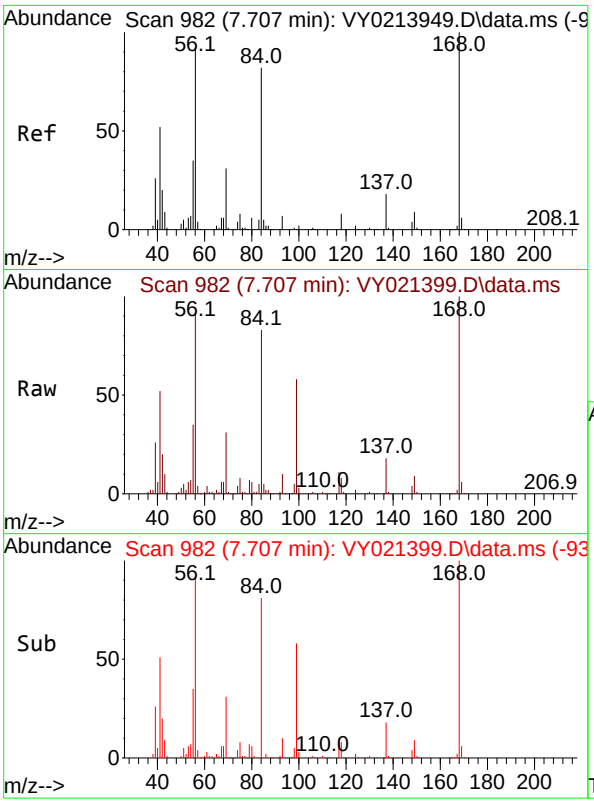


#30
Chloroform
Concen: 49.593 ug/l
RT: 7.426 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 83 Resp: 255675

Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.1	79.7

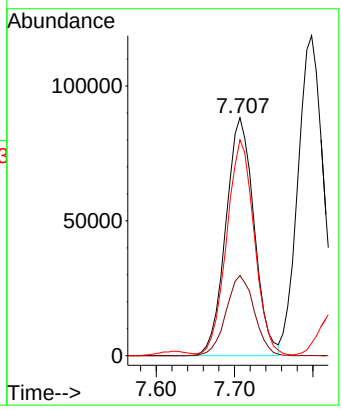




#31
Cyclohexane
Concen: 47.519 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 56 Resp: 22118

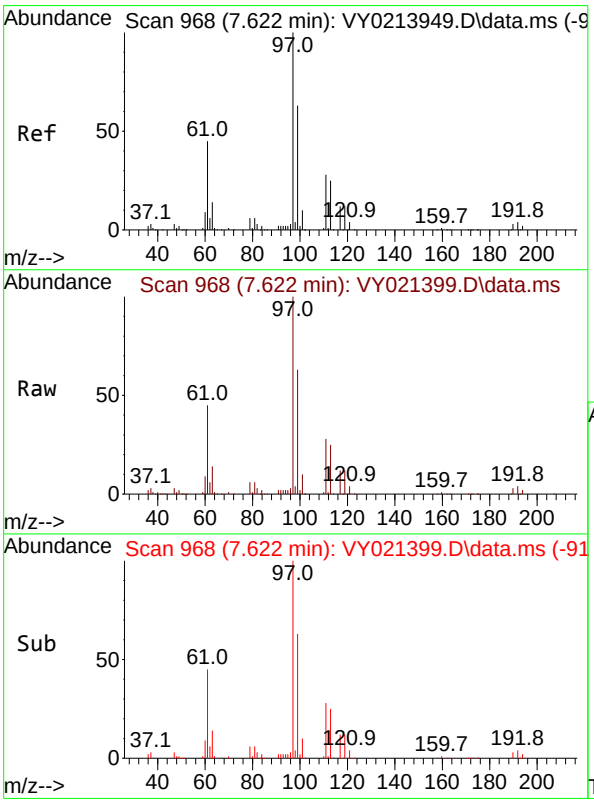
Ion	Ratio	Lower	Upper
56	100		
69	33.7	27.0	40.4
84	88.9	71.1	106.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

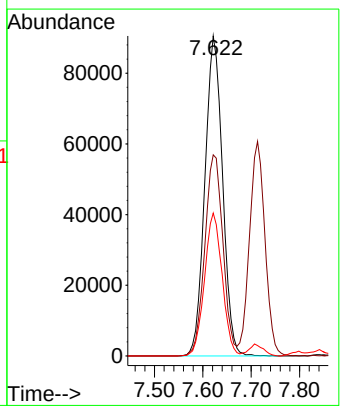
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

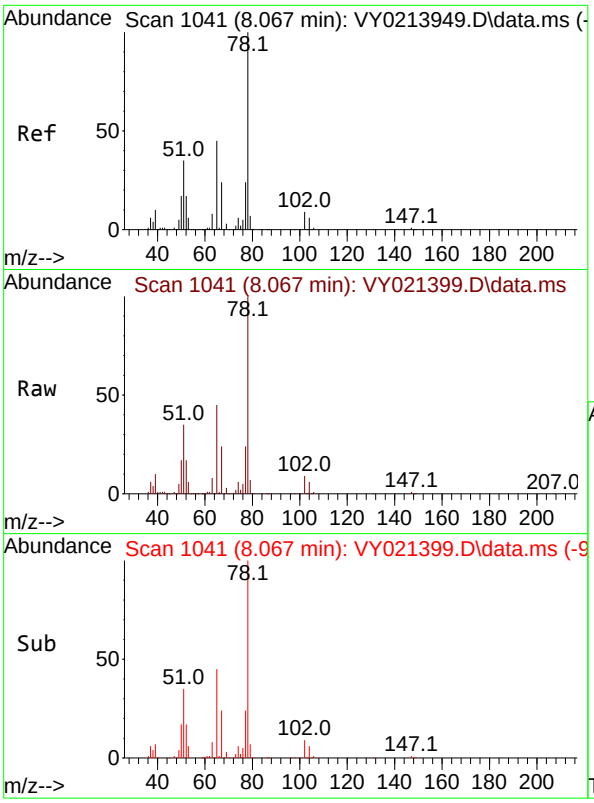


#32
1,1,1-Trichloroethane
Concen: 48.727 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 97 Resp: 230018

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	44.6	35.7	53.5

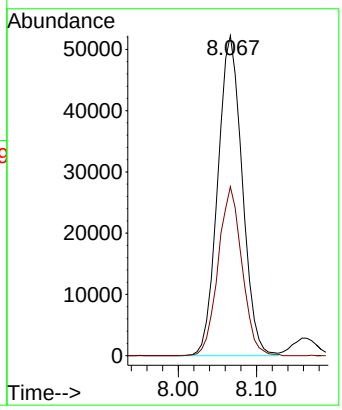




#33
1,2-Dichloroethane-d4
Concen: 45.625 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 65 Resp: 11339

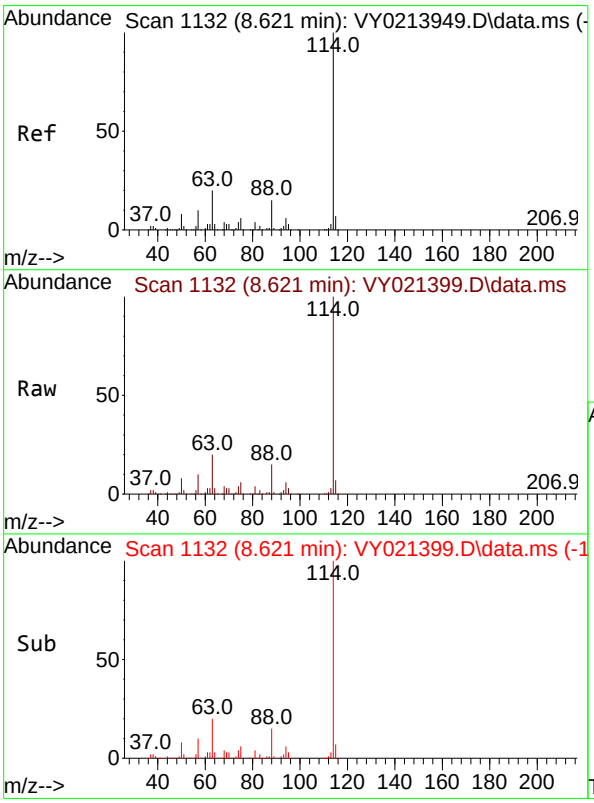
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

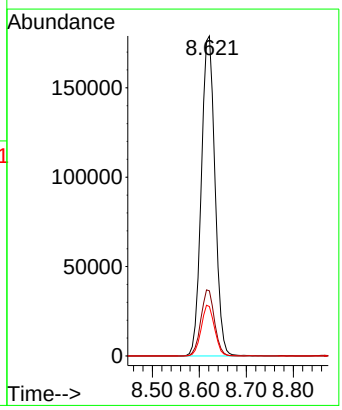
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

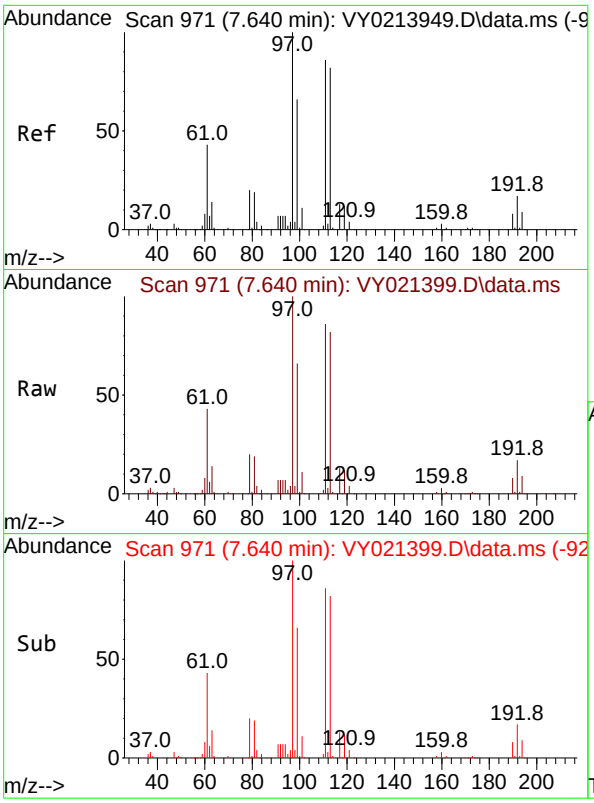


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:114 Resp: 360221

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.4	0.0	30.8

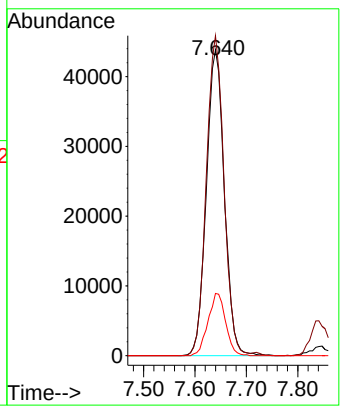




#35
Dibromofluoromethane
Concen: 44.973 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:113 Resp: 10648

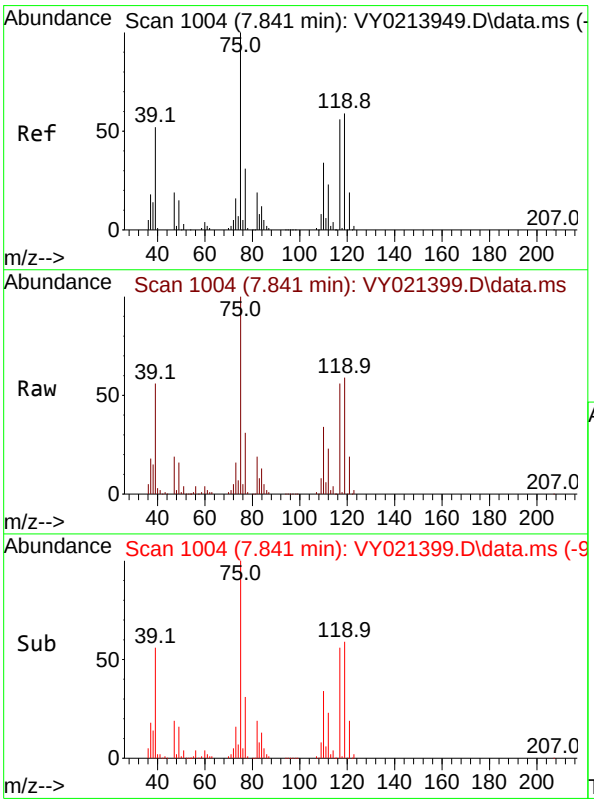
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	19.9	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

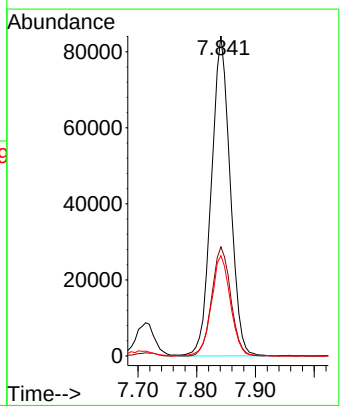
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

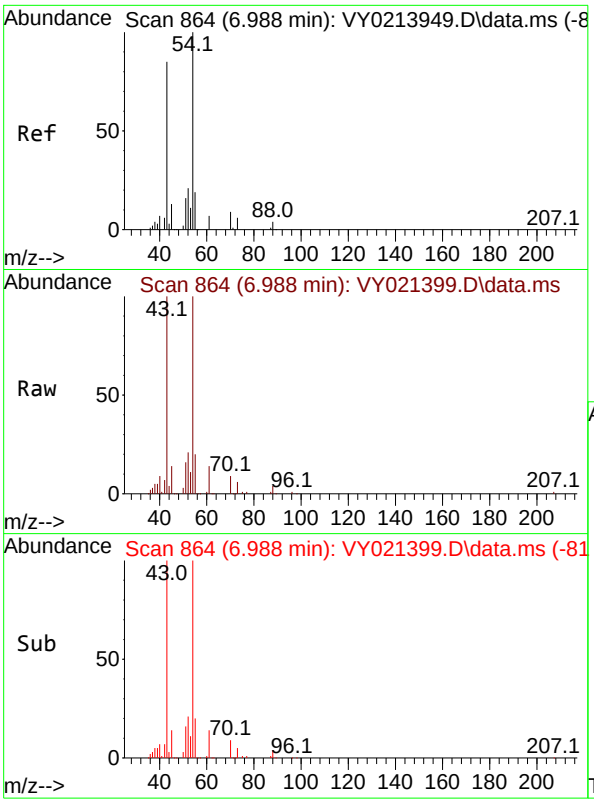


#36
1,1-Dichloropropene
Concen: 50.340 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 75 Resp: 186577

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	51.7
77	31.8	25.4	38.2





#37
Ethyl Acetate
Concen: 53.423 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

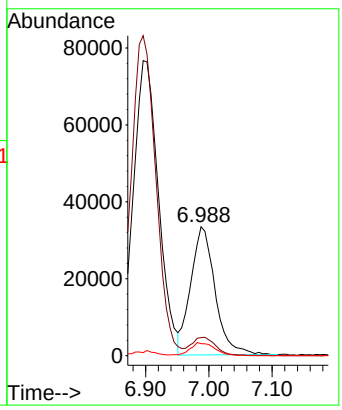
Tgt Ion: 43 Resp: 8931

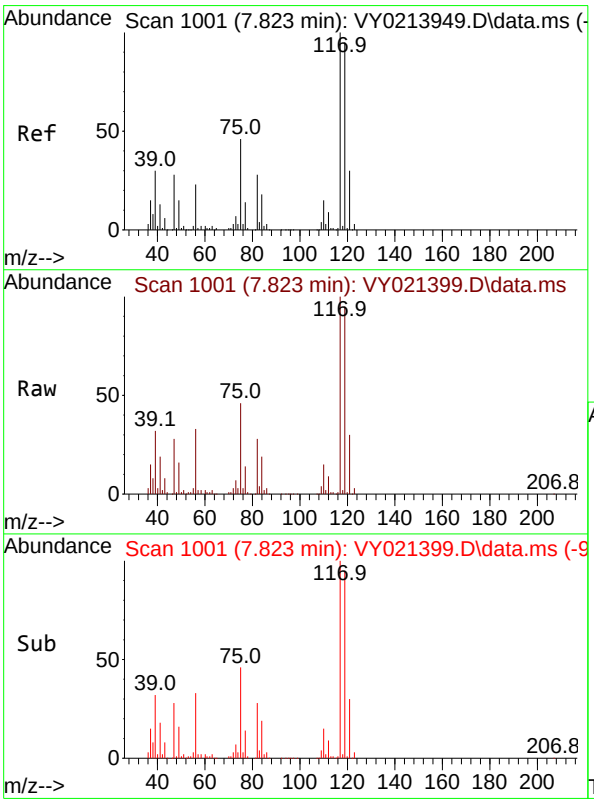
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	10.2	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

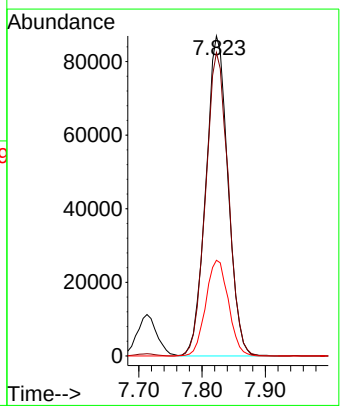


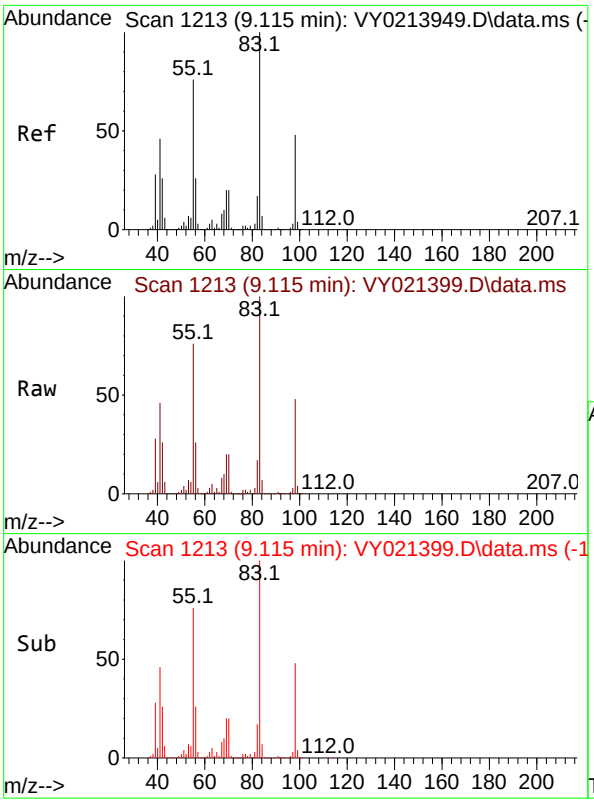


#38
Carbon Tetrachloride
Concen: 49.573 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:117 Resp: 211310

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
121	29.9	23.9	35.9





#39
Methylcyclohexane
Concen: 51.585 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

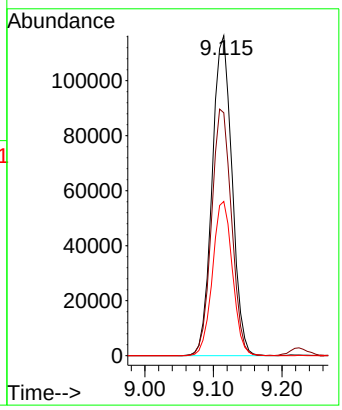
Tgt Ion: 83 Resp: 23452

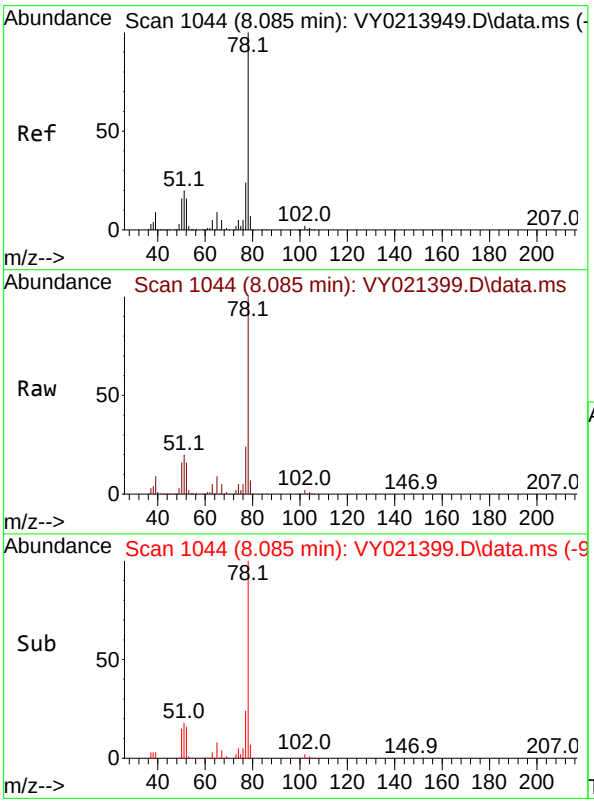
Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.7	91.1
98	48.2	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

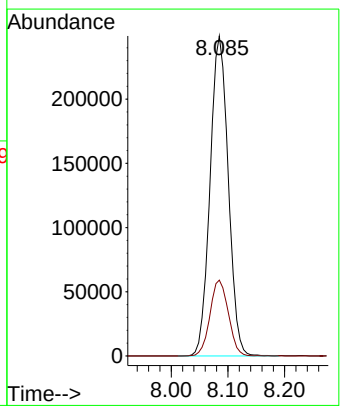


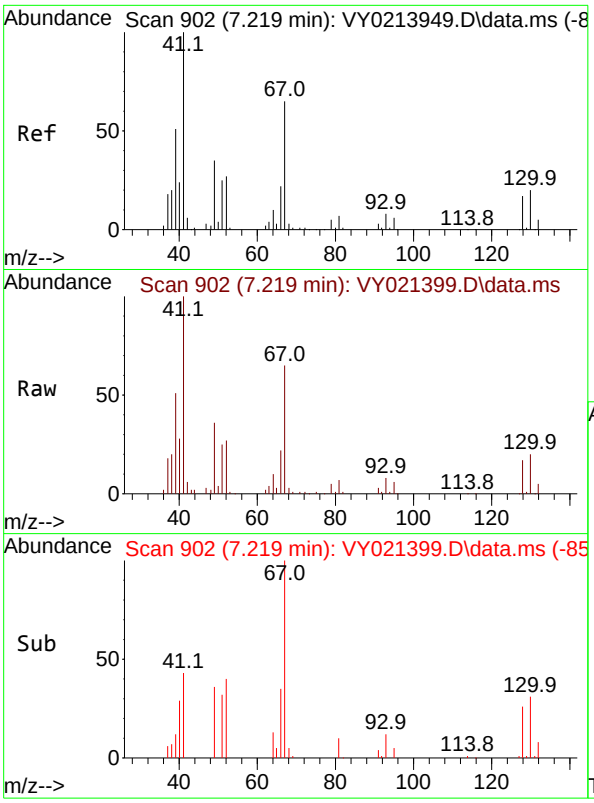


#40
Benzene
Concen: 50.867 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 78 Resp: 555364

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4

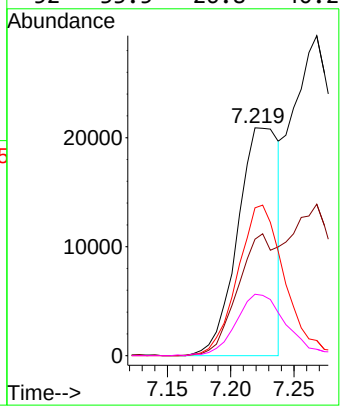




#41
Methacrylonitrile
Concen: 51.774 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 41 Resp: 4714

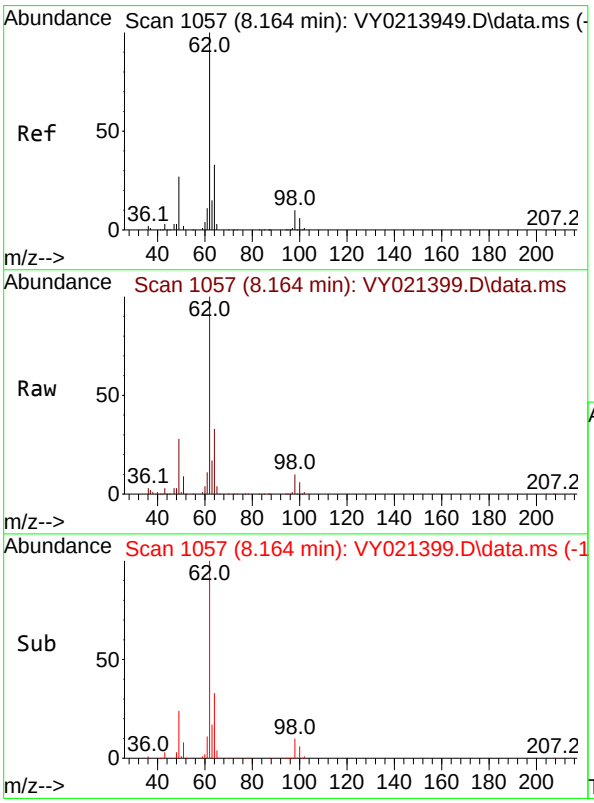
Ion	Ratio	Lower	Upper
41	100		
39	43.8	35.0	52.6
67	76.5	61.2	91.8
52	33.5	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

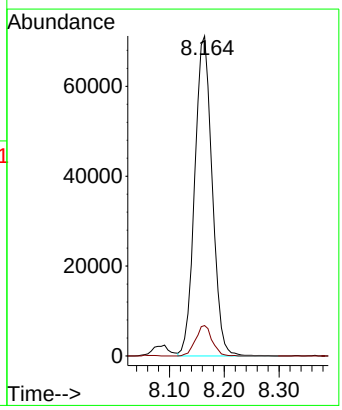
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

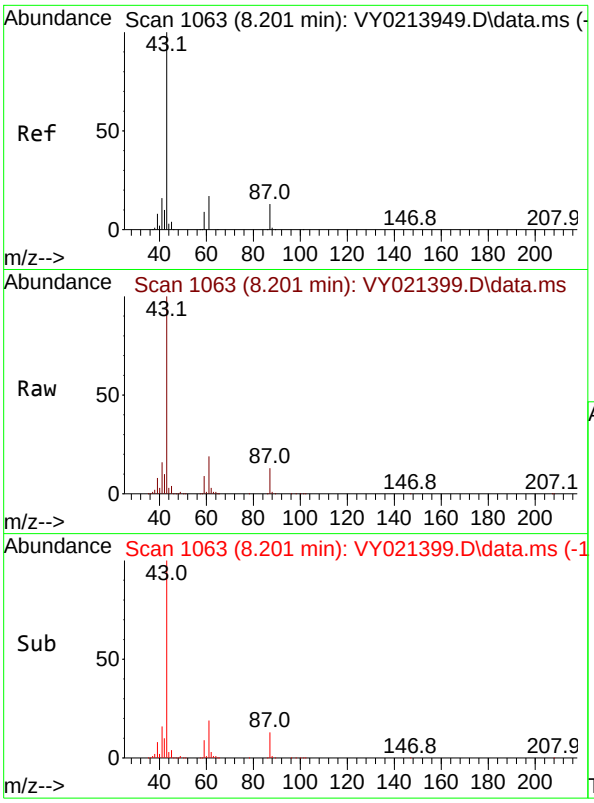


#42
1,2-Dichloroethane
Concen: 51.469 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 62 Resp: 157205

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

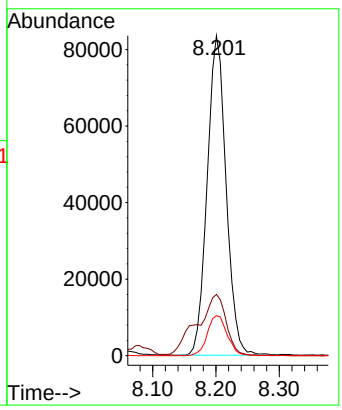




#43
Isopropyl Acetate
Concen: 54.689 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 17391

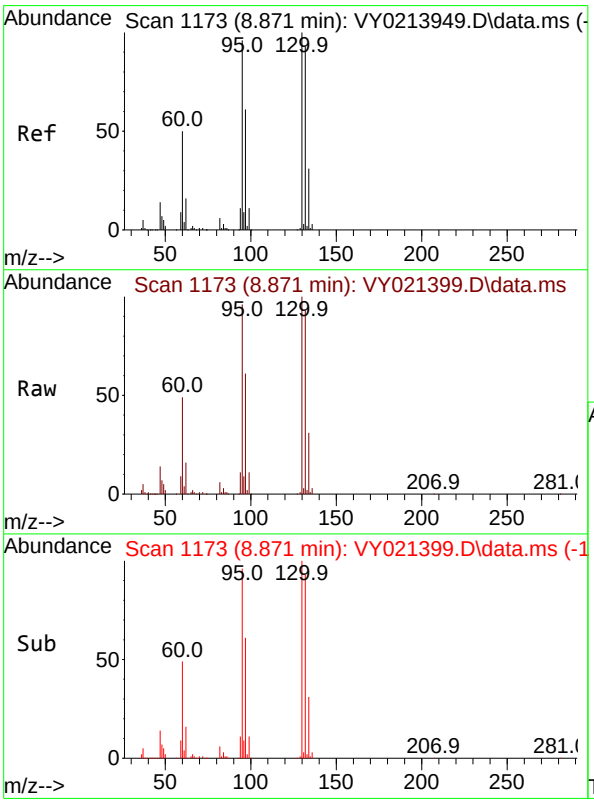
Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.4	35.0
87	13.1	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

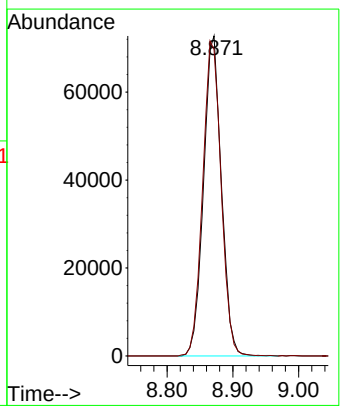
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

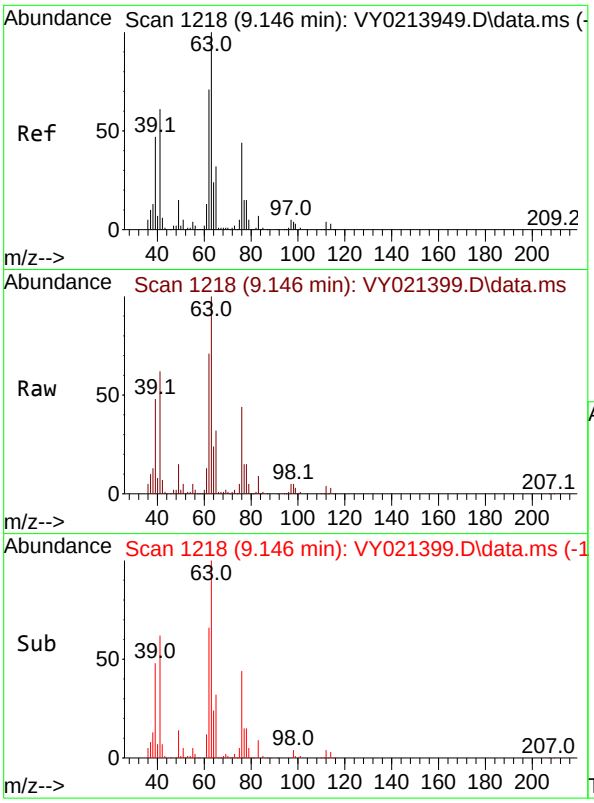


#44
Trichloroethene
Concen: 49.793 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:130 Resp: 137378

Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	191.6





#45
1,2-Dichloropropane
Concen: 50.949 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

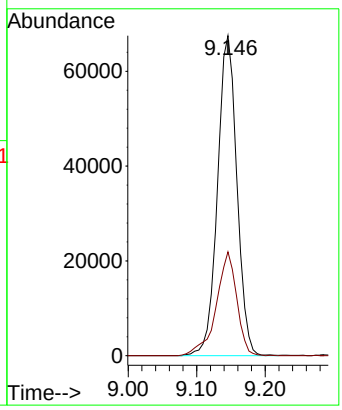
Tgt Ion: 63 Resp: 13239

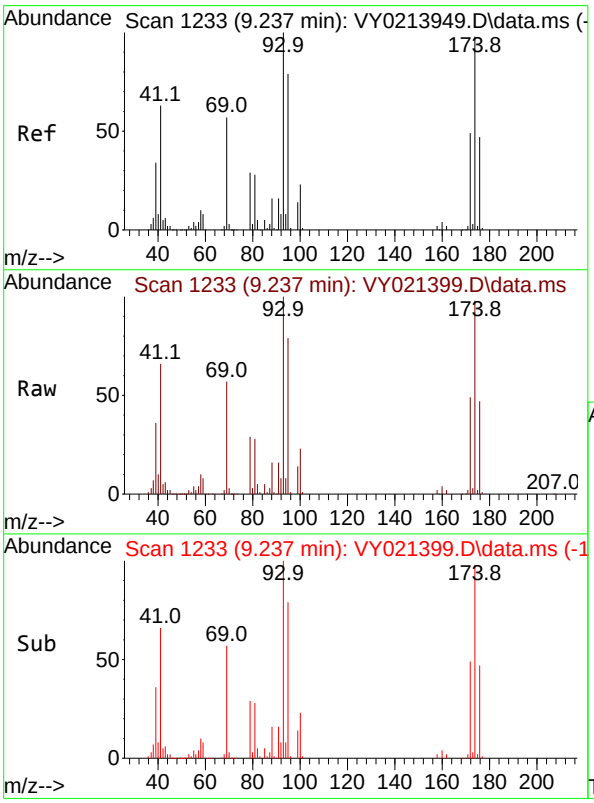
Ion	Ratio	Lower	Upper
63	100		
65	32.5	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

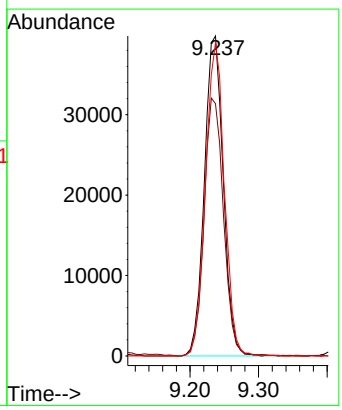


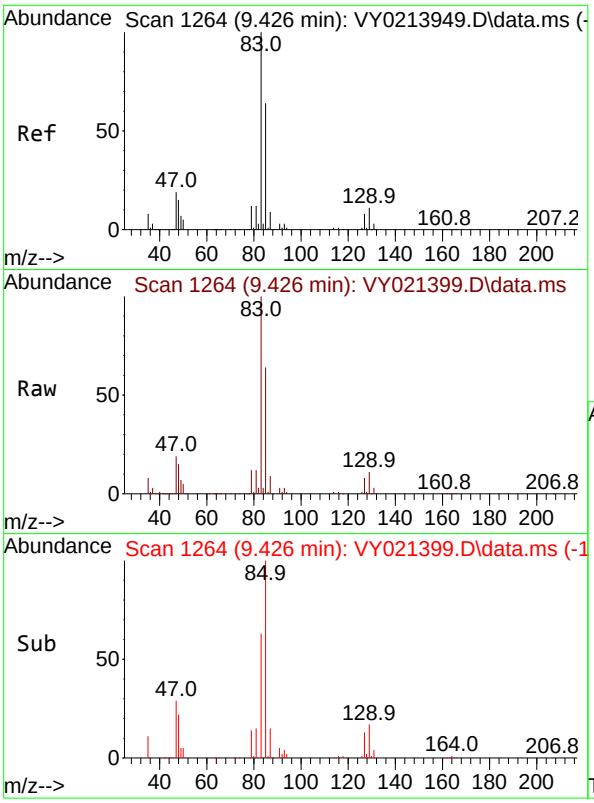


#46
Dibromomethane
Concen: 52.923 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 93 Resp: 76517

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	97.4	77.9	116.9

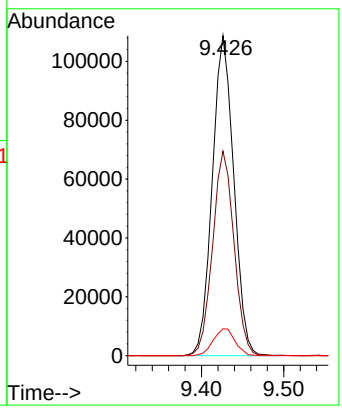




#47
Bromodichloromethane
Concen: 51.370 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 83 Resp: 19724

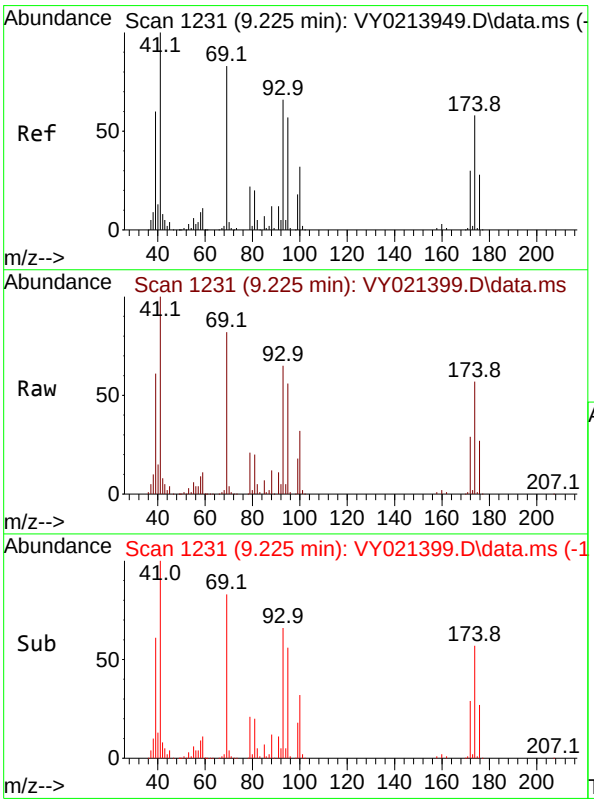
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

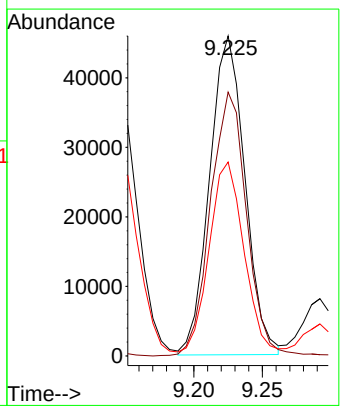
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

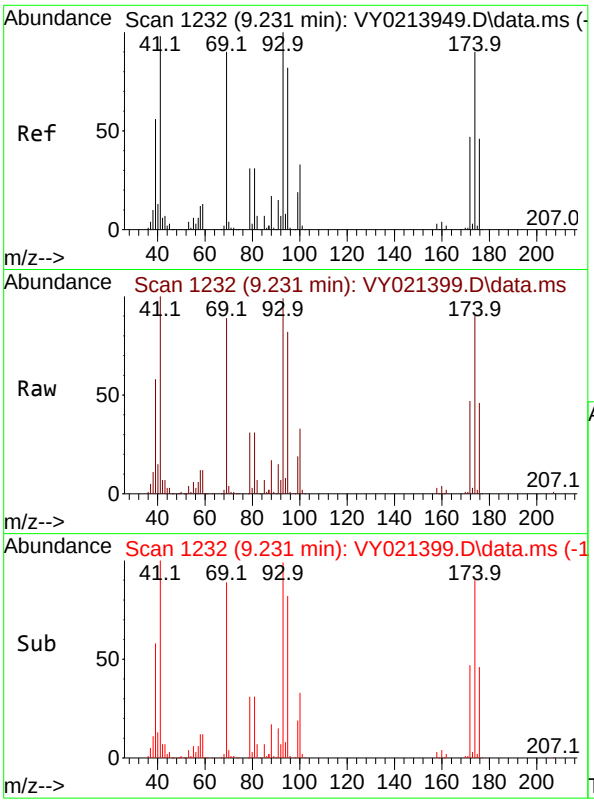


#48
Methyl methacrylate
Concen: 55.853 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 41 Resp: 82355

Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.8	101.8
39	58.0	46.4	69.6

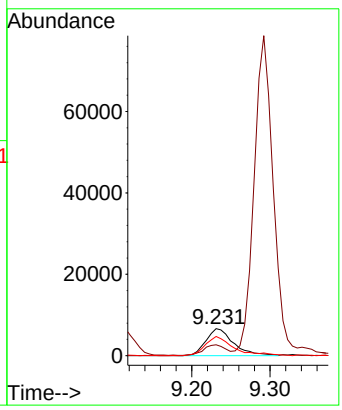




#49
1,4-Dioxane
Concen: 1144.224 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 88 Resp: 1623

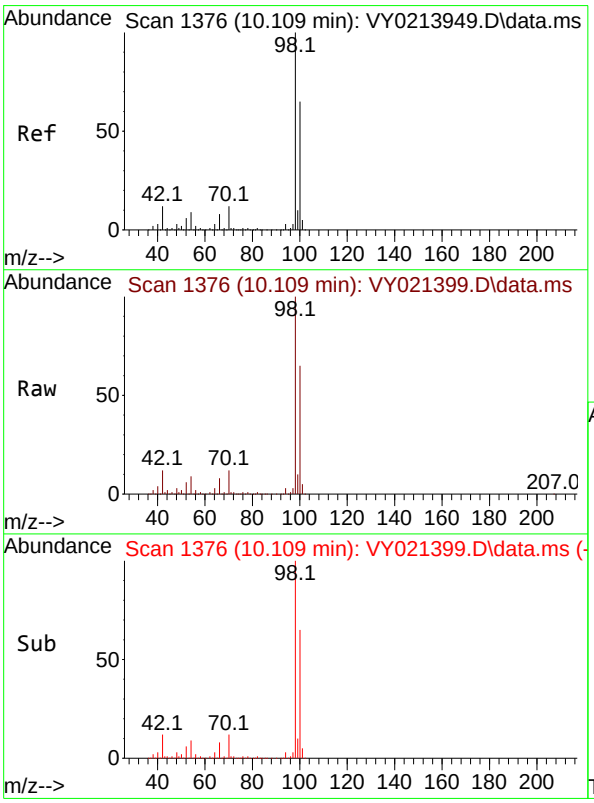
Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.0	37.4
58	73.0	58.4	87.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

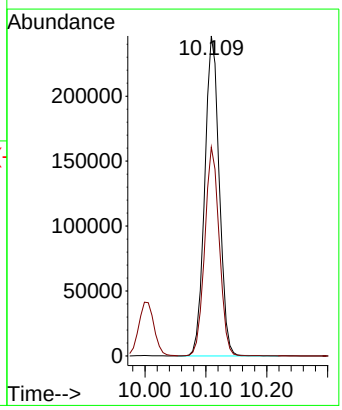
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

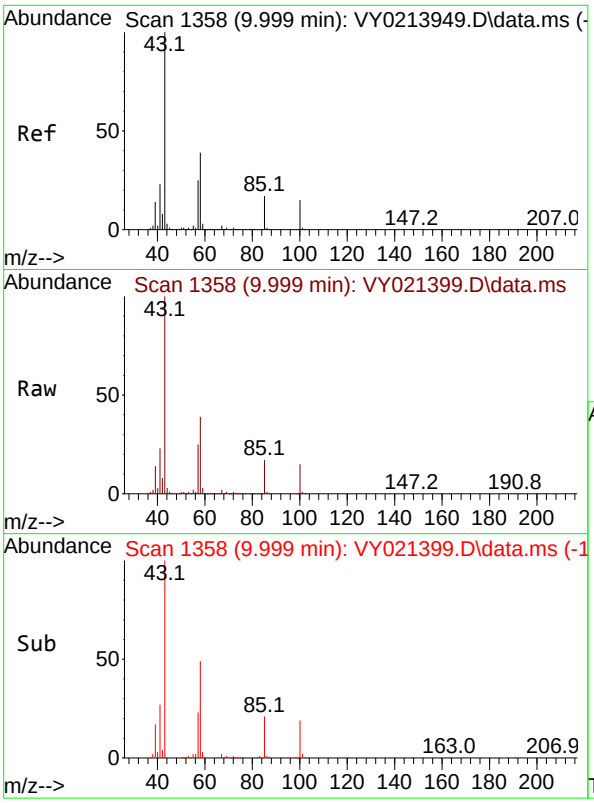


#50
Toluene-d8
Concen: 45.594 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 98 Resp: 408759

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1

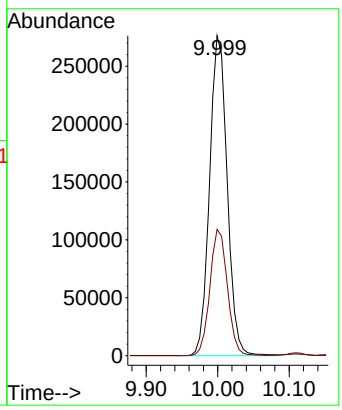




#51
4-Methyl-2-Pentanone
Concen: 288.203 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 47288

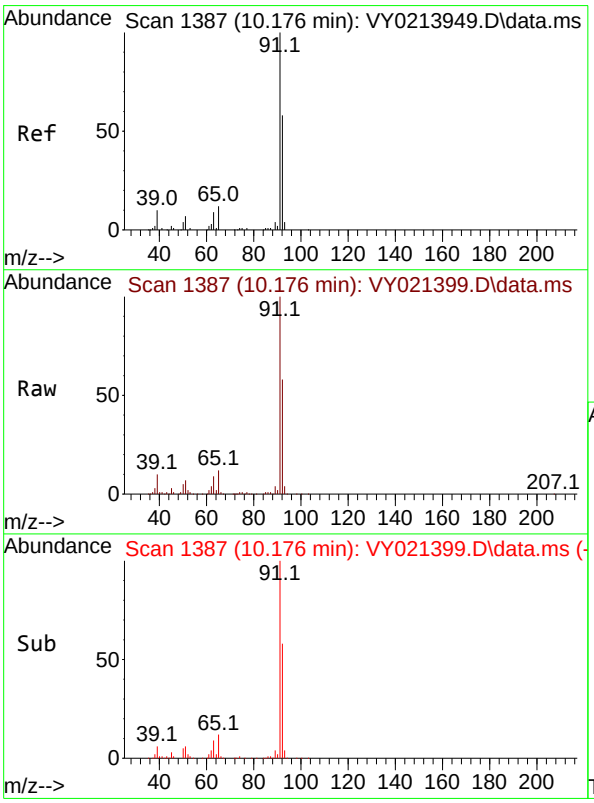
Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

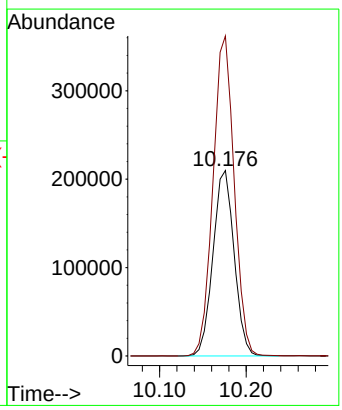
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

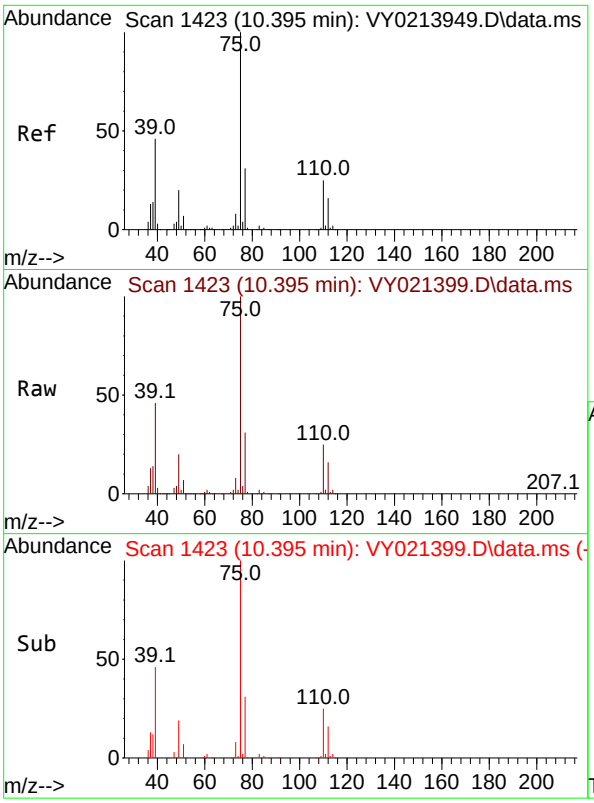


#52
Toluene
Concen: 51.723 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 92 Resp: 356029

Ion	Ratio	Lower	Upper
92	100		
91	172.7	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 53.154 ug/l
RT: 10.395 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

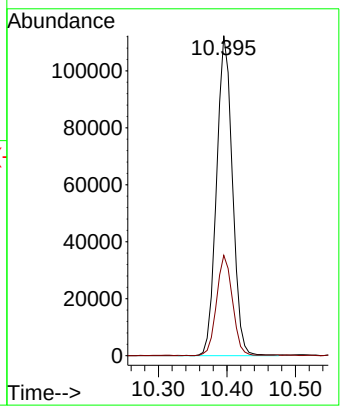
Tgt Ion: 75 Resp: 17981

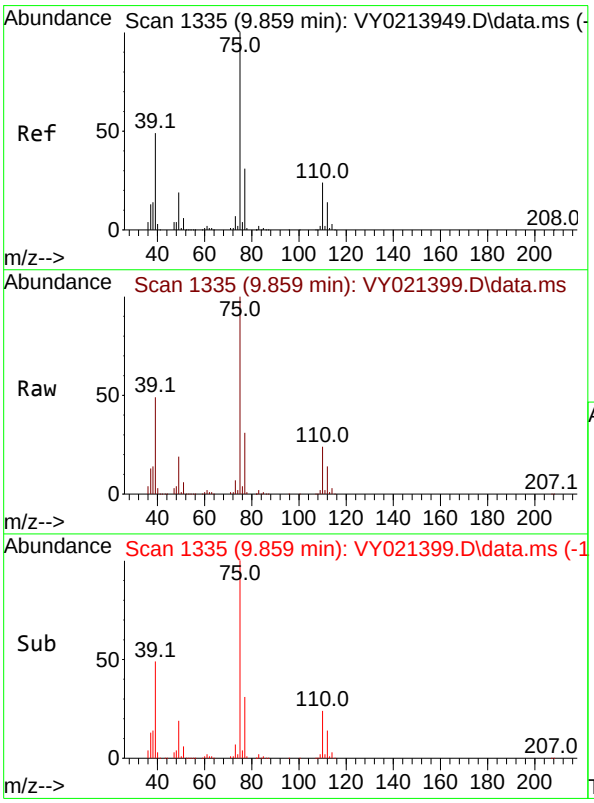
Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

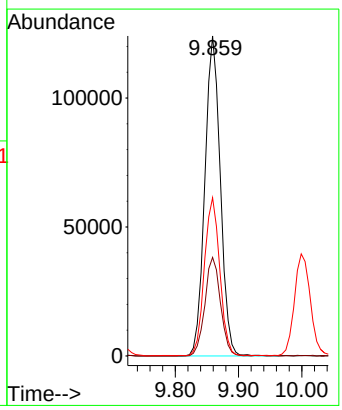


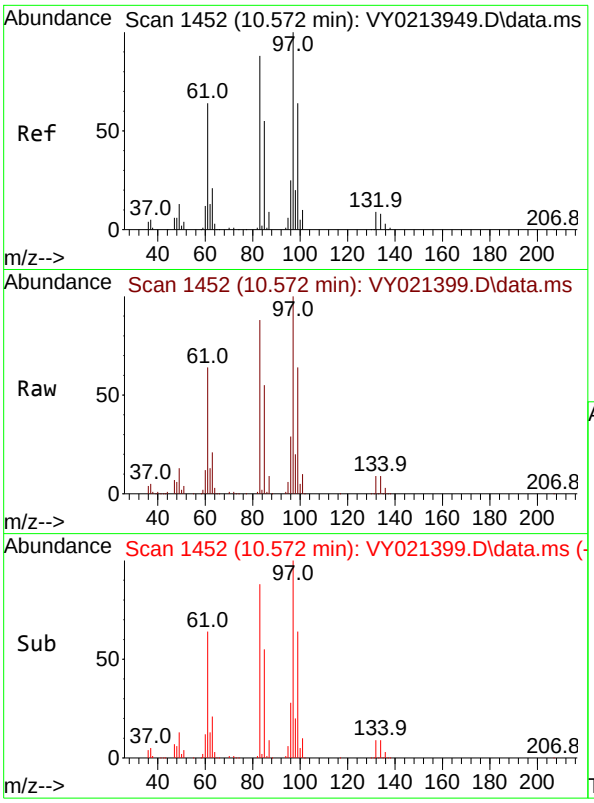


#54
cis-1,3-Dichloropropene
Concen: 52.691 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 75 Resp: 211622

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	37.0
39	49.3	39.4	59.2

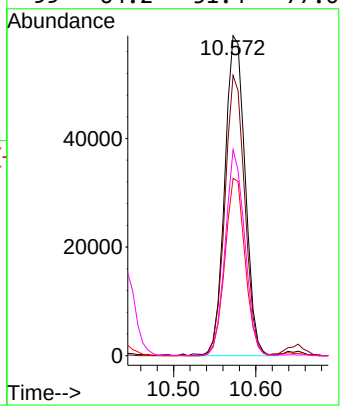




#55
1,1,2-Trichloroethane
Concen: 53.886 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 97 Resp: 10191

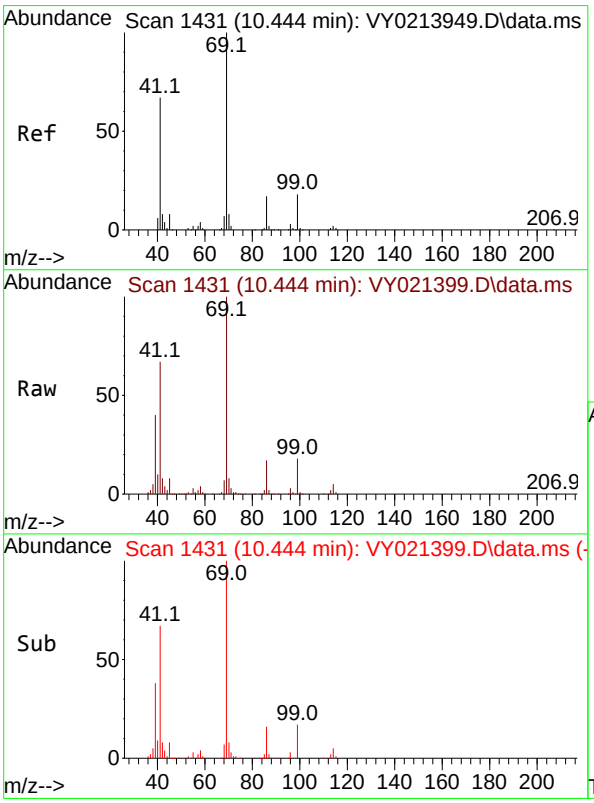
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.0	105.0
85	55.4	44.3	66.5
99	64.2	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

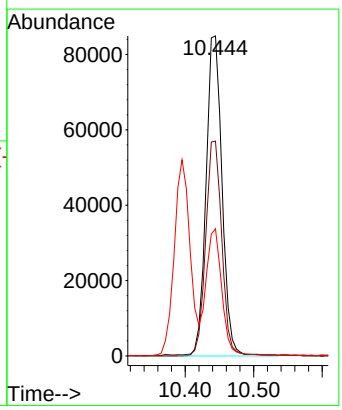
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

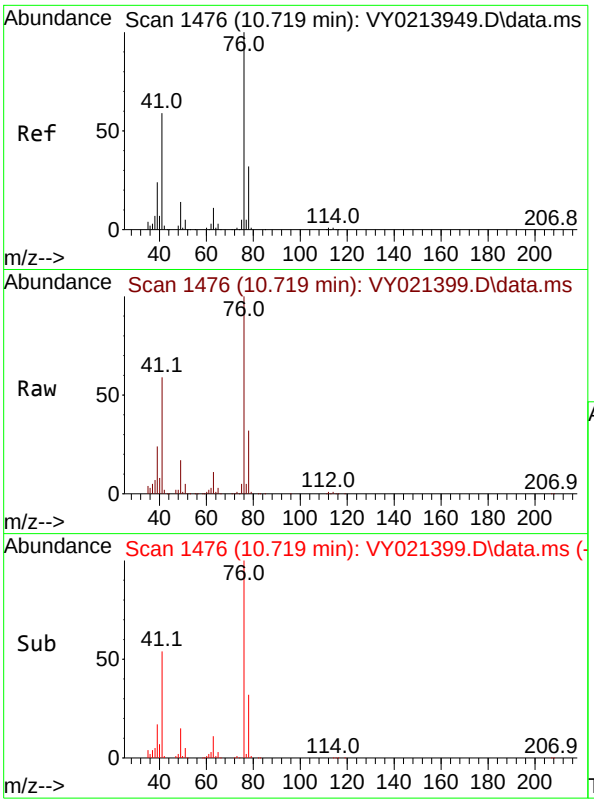


#56
Ethyl methacrylate
Concen: 57.187 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 69 Resp: 137939

Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.3	79.9
39	38.8	31.0	46.6

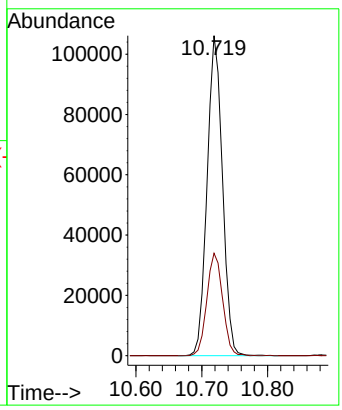




#57
1,3-Dichloropropane
Concen: 52.551 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 76 Resp: 17225

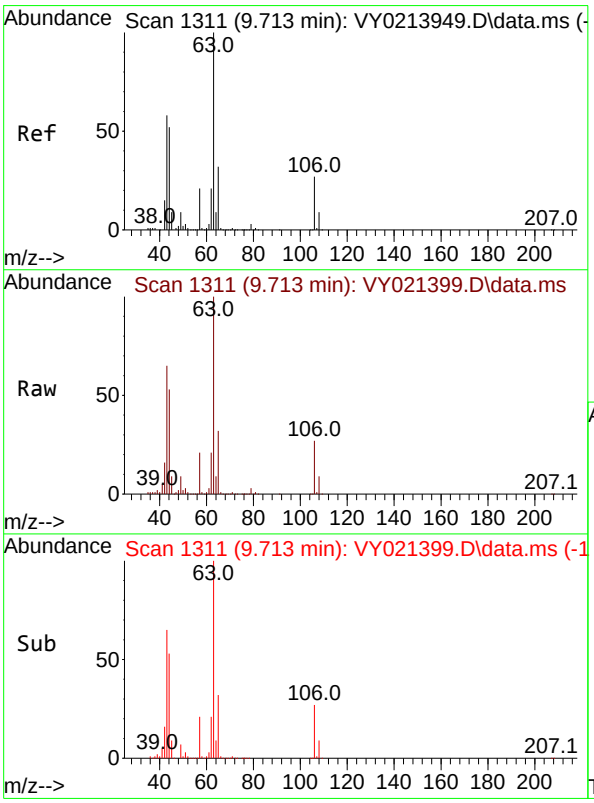
Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

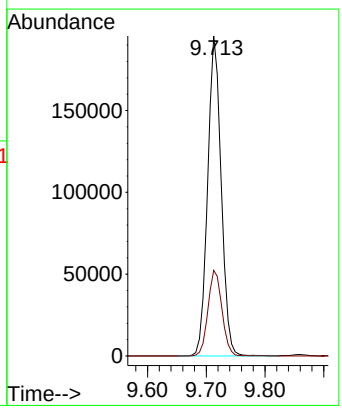
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

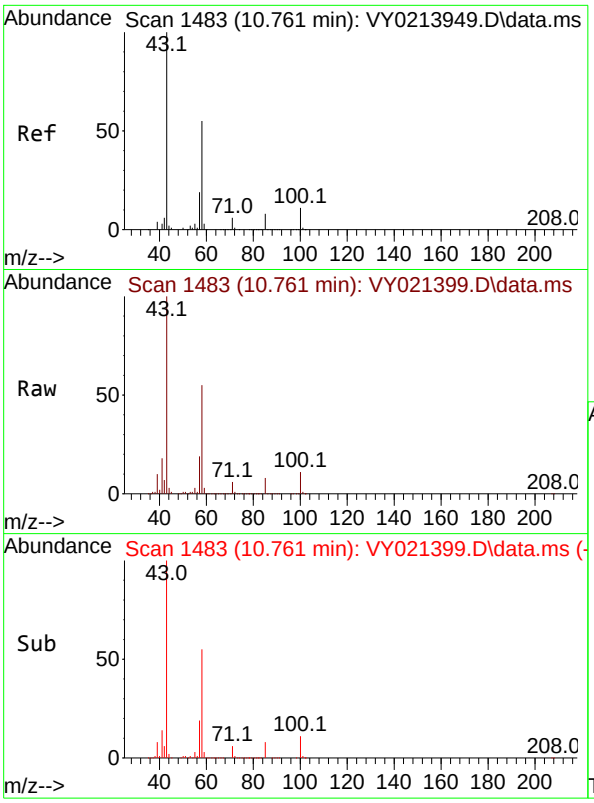


#58
2-Chloroethyl Vinyl ether
Concen: 281.418 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 63 Resp: 313349

Ion	Ratio	Lower	Upper
63	100		
106	27.6	22.1	33.1





#59
2-Hexanone
Concen: 301.583 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

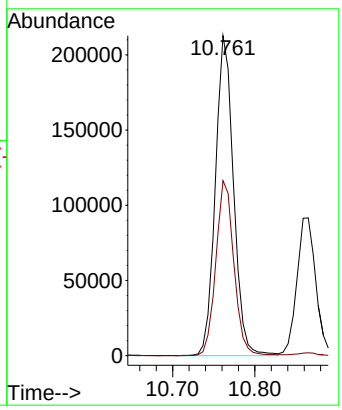
Tgt Ion: 43 Resp: 32720

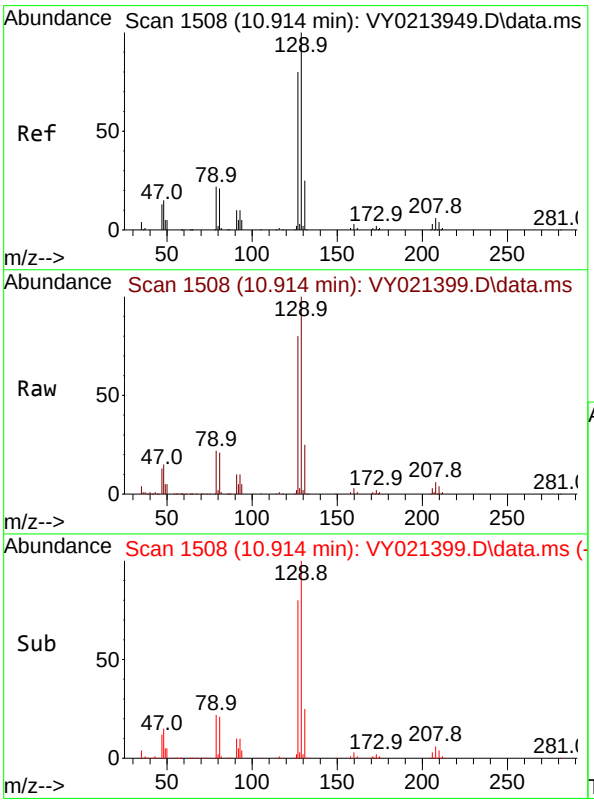
Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

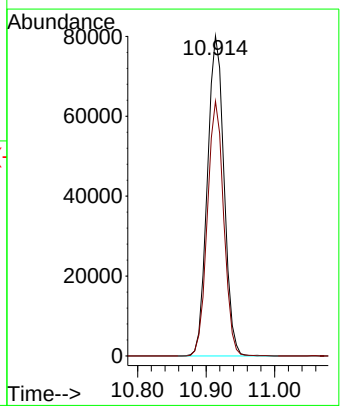


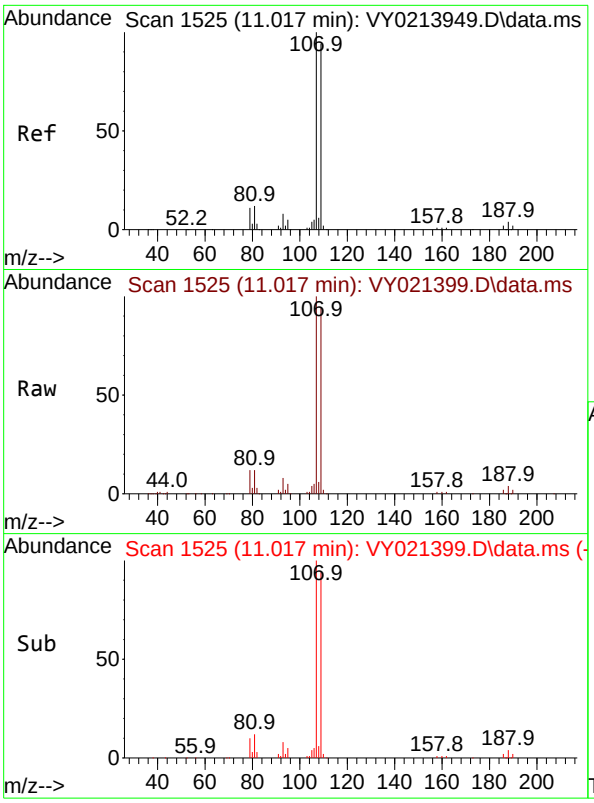


#60
Dibromochloromethane
Concen: 52.296 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:129 Resp: 135595

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3





#61
1,2-Dibromoethane
Concen: 52.819 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

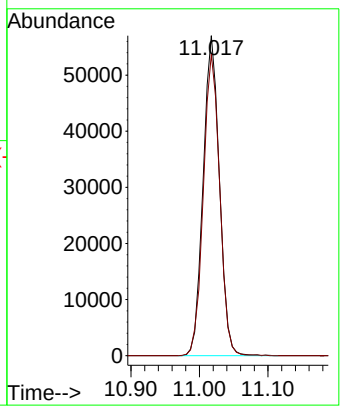
Tgt Ion:107 Resp: 9428

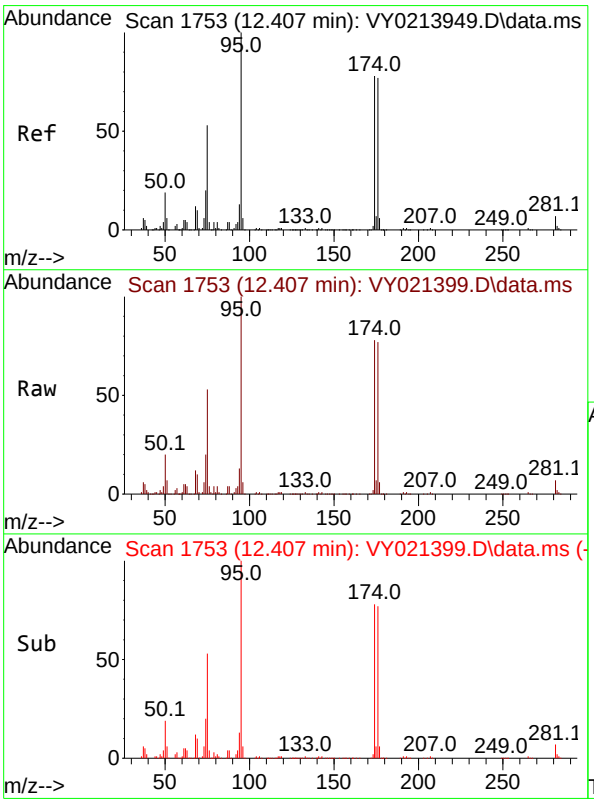
Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

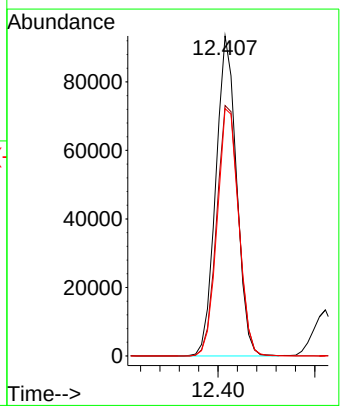


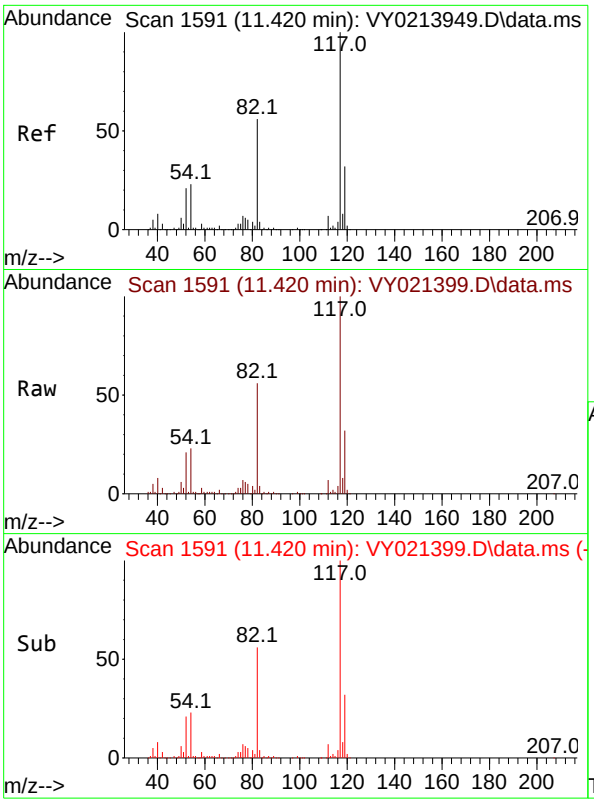


#62
4-Bromofluorobenzene
Concen: 45.618 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 95 Resp: 139117

Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	165.0
176	80.0	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

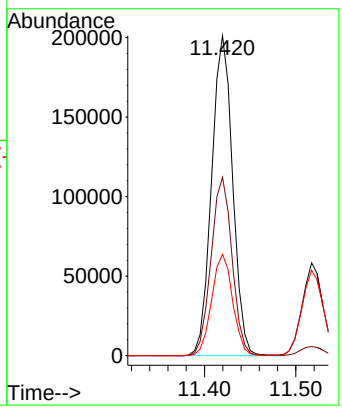
Tgt Ion:117 Resp: 32126

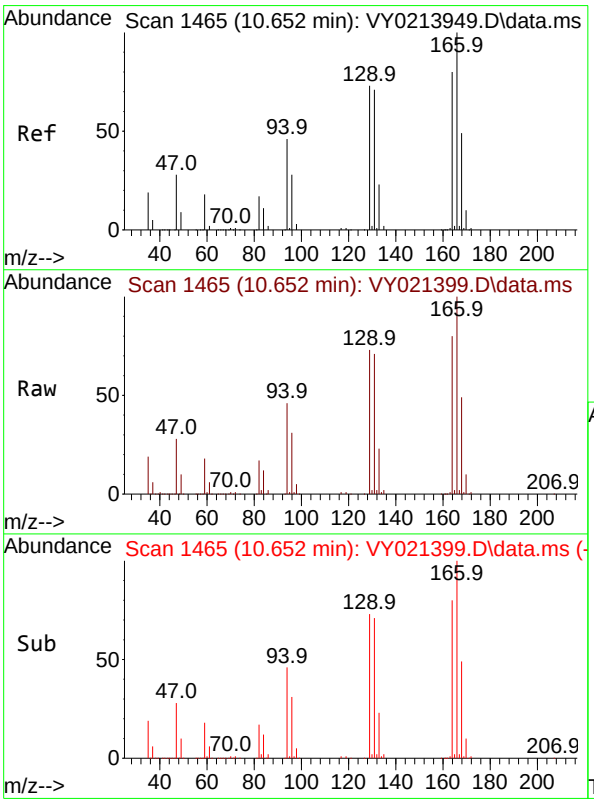
Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.6	67.0
119	31.7	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

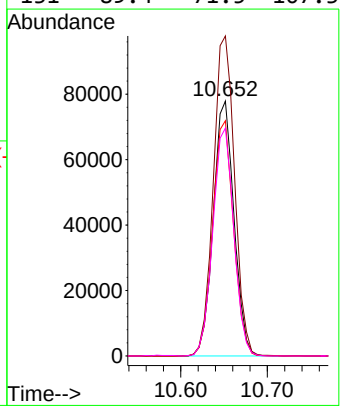


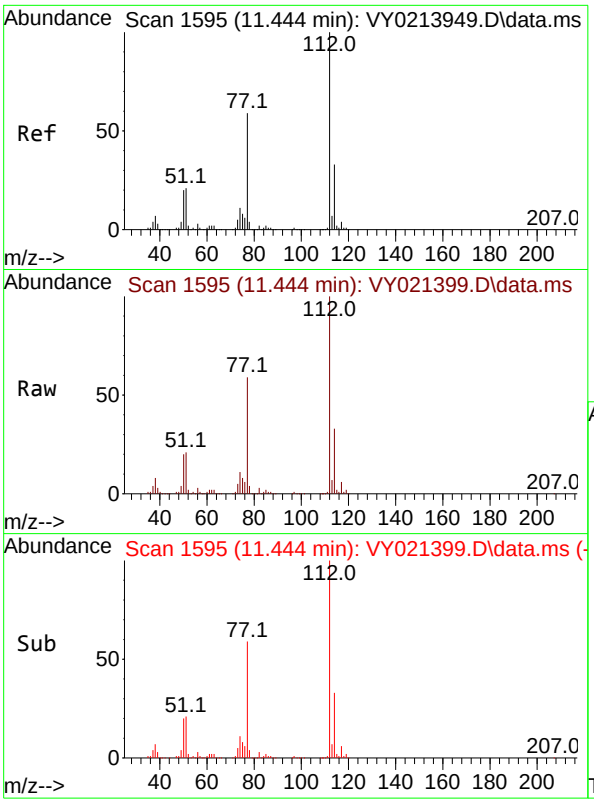


#64
Tetrachloroethene
Concen: 49.596 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:164 Resp: 129562

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	92.3	73.8	110.8
131	89.4	71.5	107.3





#65
Chlorobenzene
Concen: 50.233 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

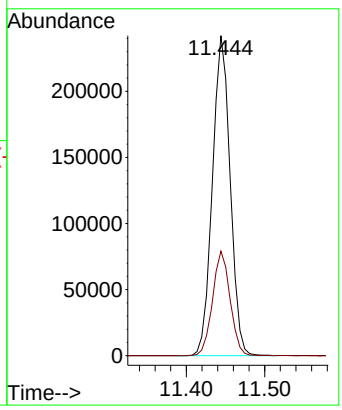
Tgt Ion:112 Resp: 38108

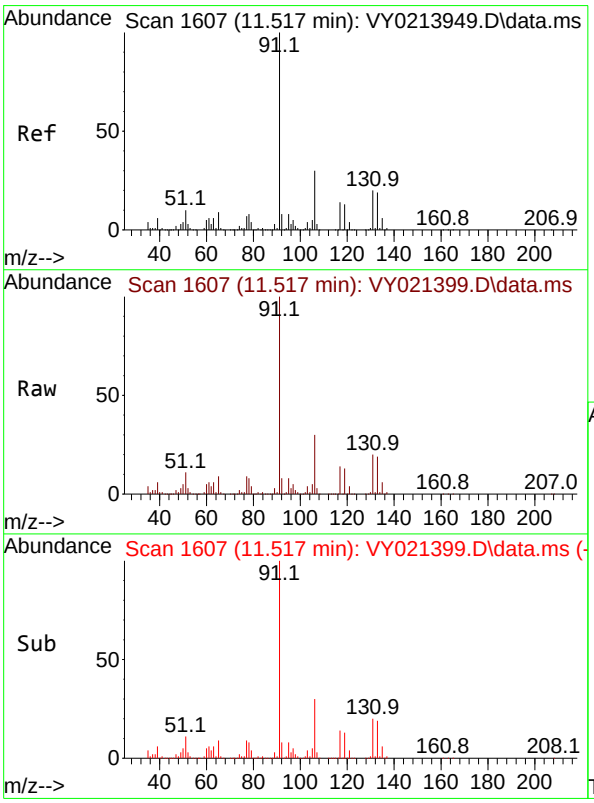
Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

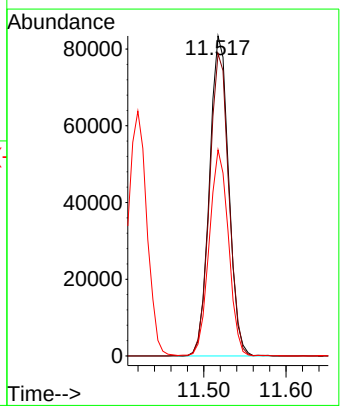


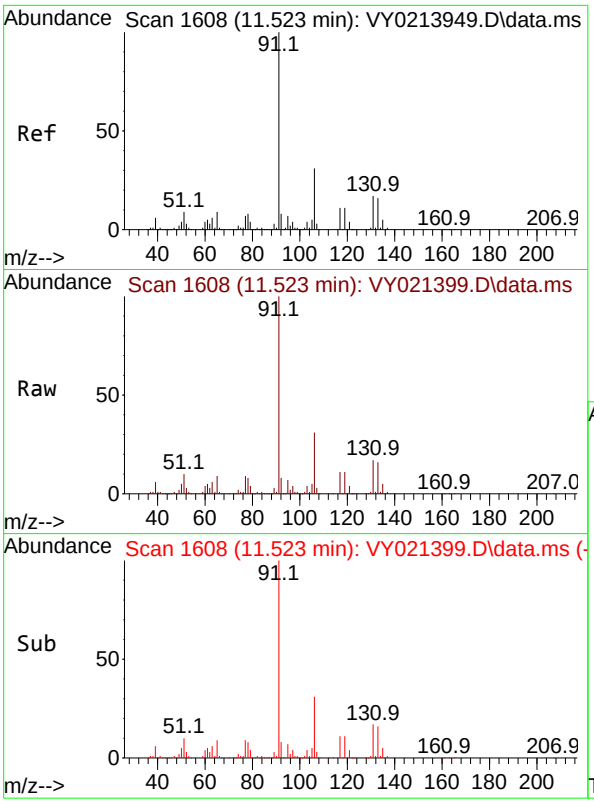


#66
1,1,1,2-Tetrachloroethane
Concen: 50.434 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:131 Resp: 135273

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.6	142.9
119	64.6	32.3	96.9





#67
Ethyl Benzene
Concen: 51.502 ug/l
RT: 11.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

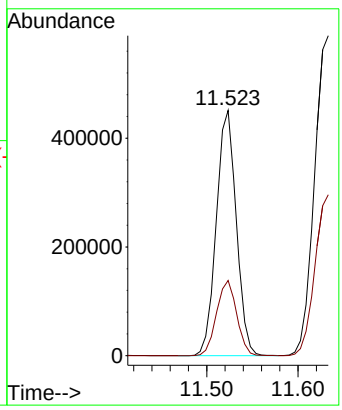
Tgt Ion: 91 Resp: 68578

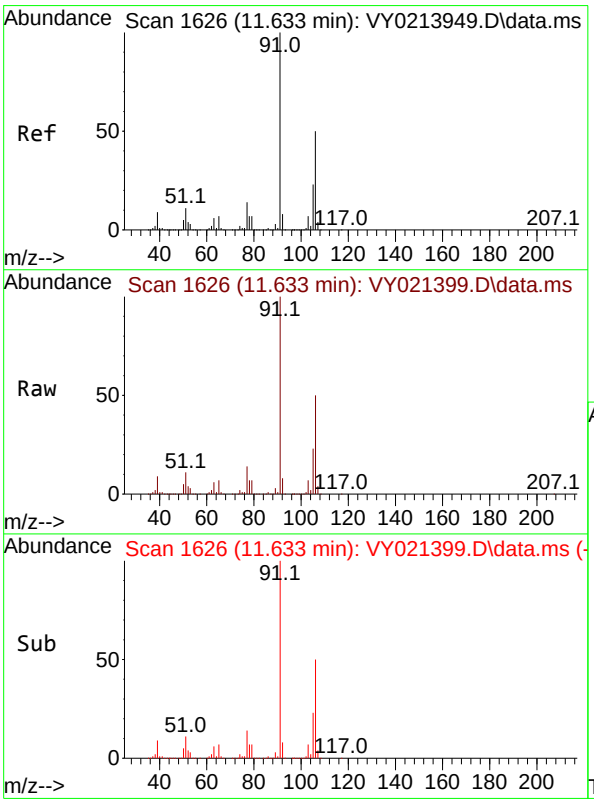
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

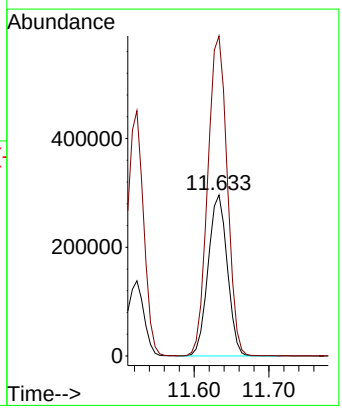


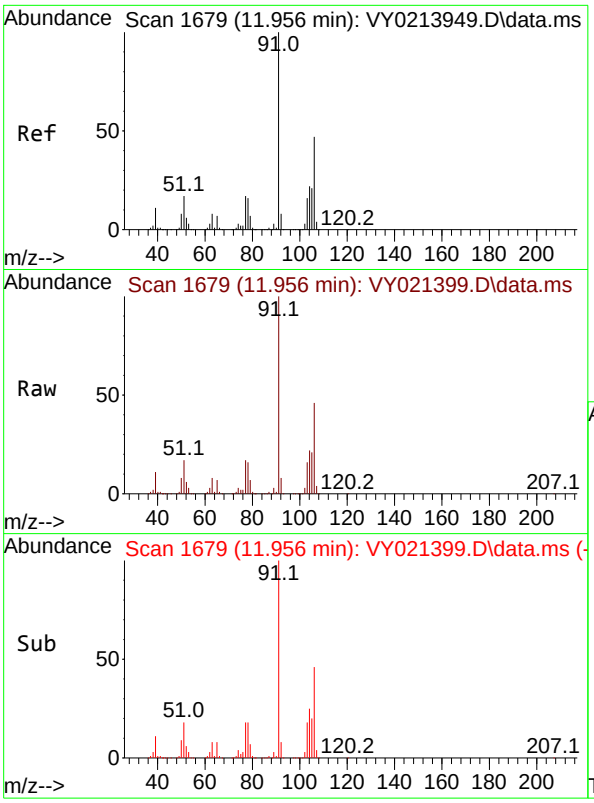


#68
m/p-Xylenes
Concen: 104.452 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:106 Resp: 528037

Ion	Ratio	Lower	Upper
106	100		
91	202.1	161.7	242.5





#69
o-Xylene
Concen: 52.341 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

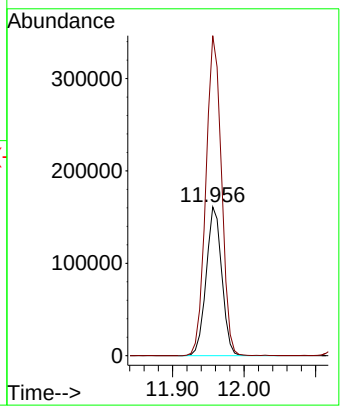
Tgt Ion:106 Resp: 24386

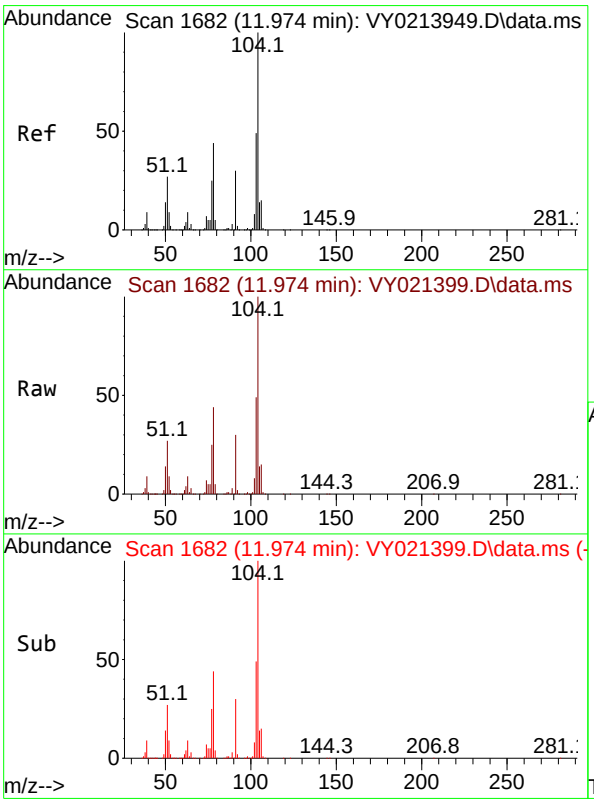
Ion	Ratio	Lower	Upper
106	100		
91	215.2	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

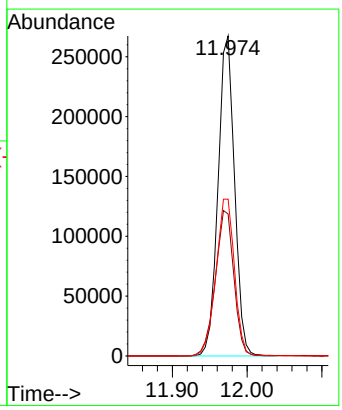


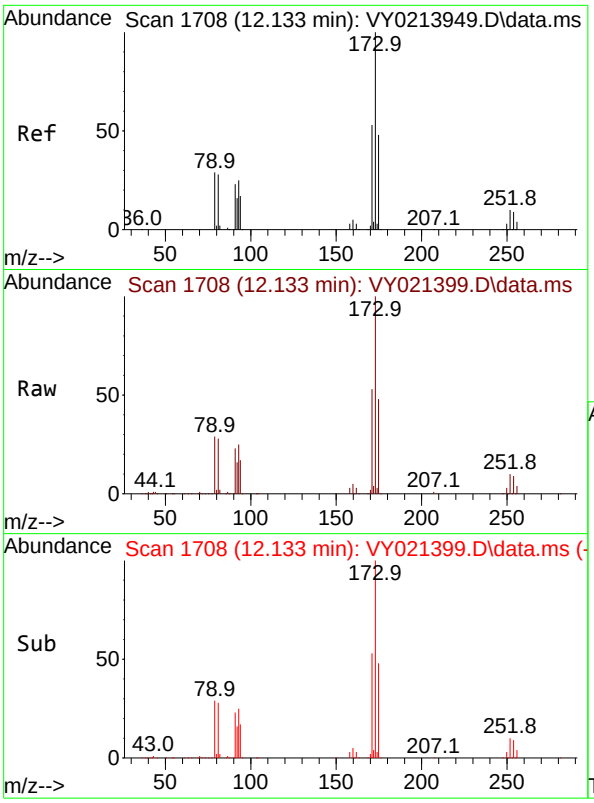


#70
Styrene
Concen: 53.068 ug/l
RT: 11.974 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:104 Resp: 410178

Ion	Ratio	Lower	Upper
104	100		
78	50.9	40.7	61.1
103	55.1	44.1	66.1

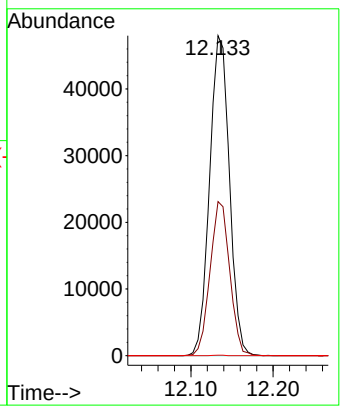




#71
Bromoform
Concen: 53.584 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:173 Resp: 8034

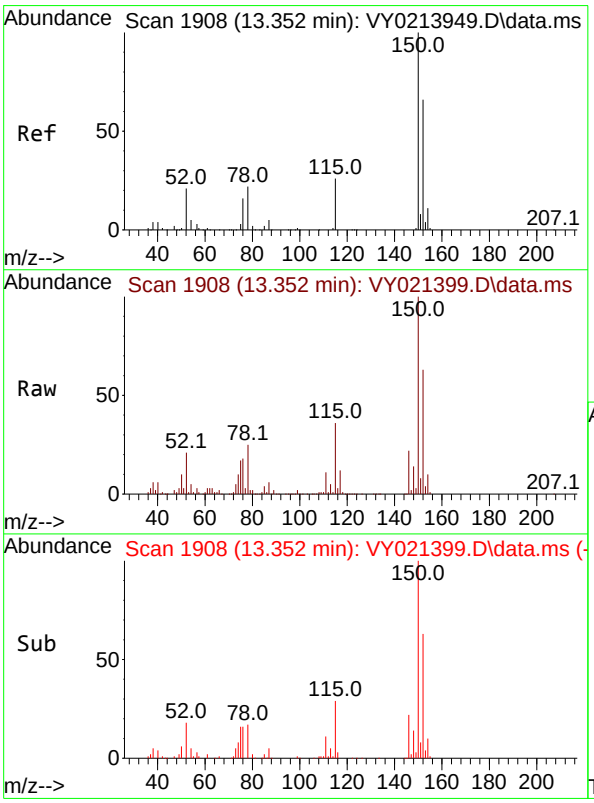
Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.9	71.7
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

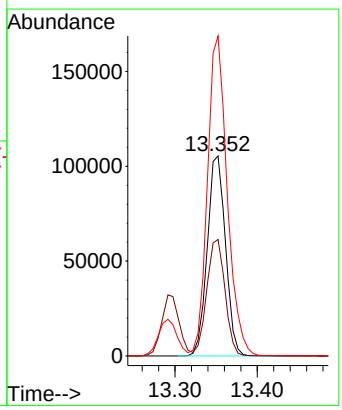
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

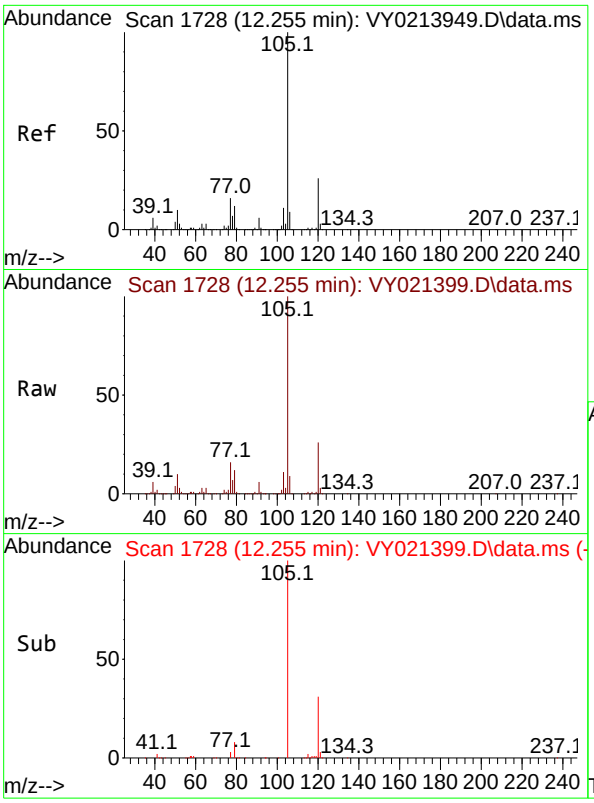


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:152 Resp: 162486

Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.0	87.0
150	173.6	0.0	347.2

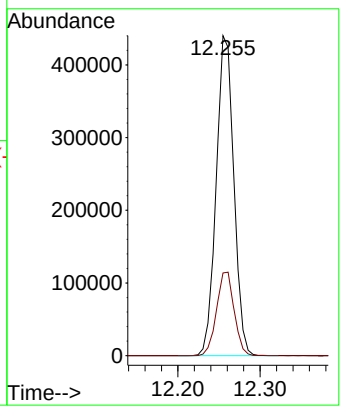




#73
Isopropylbenzene
Concen: 51.212 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:105 Resp: 65549

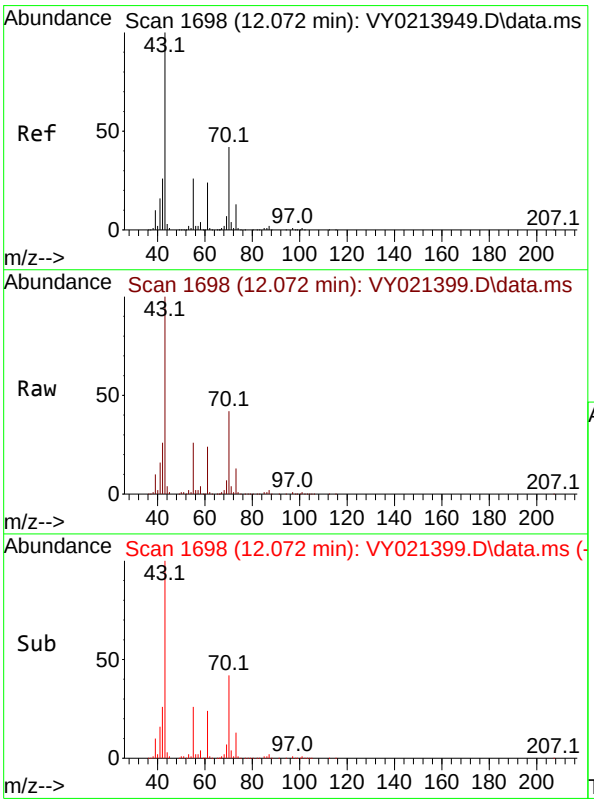
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

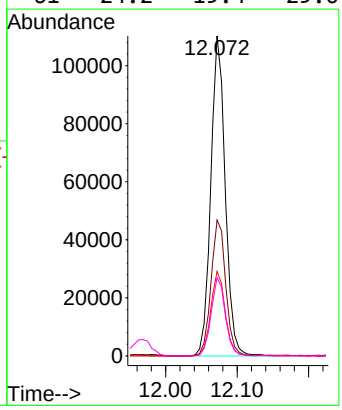
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

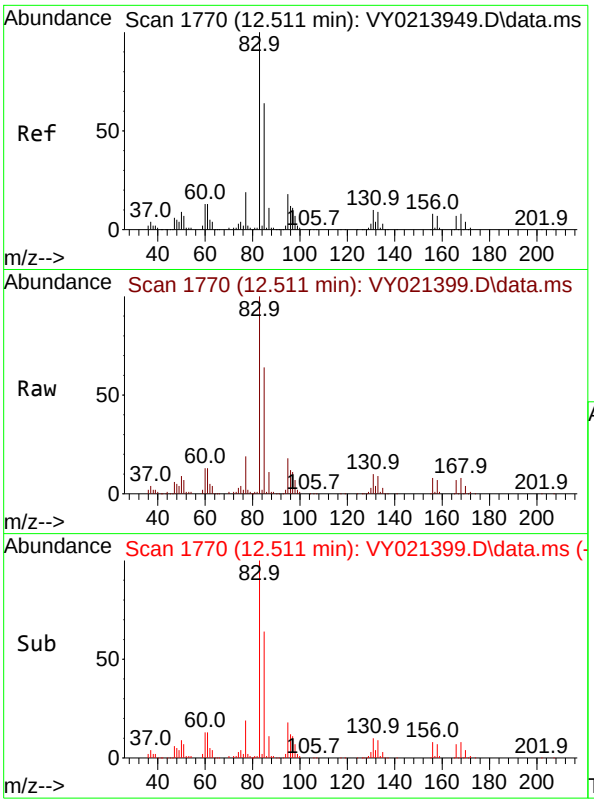


#74
N-amyl acetate
Concen: 55.547 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 154403

Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.6	51.8
55	26.4	21.1	31.7
61	24.2	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 52.277 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

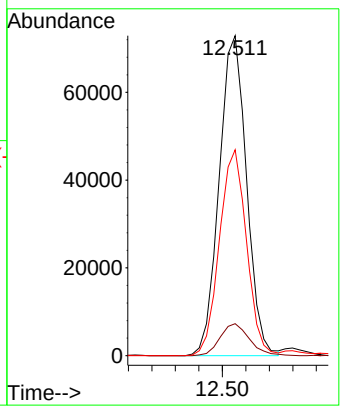
Tgt Ion: 83 Resp: 11807

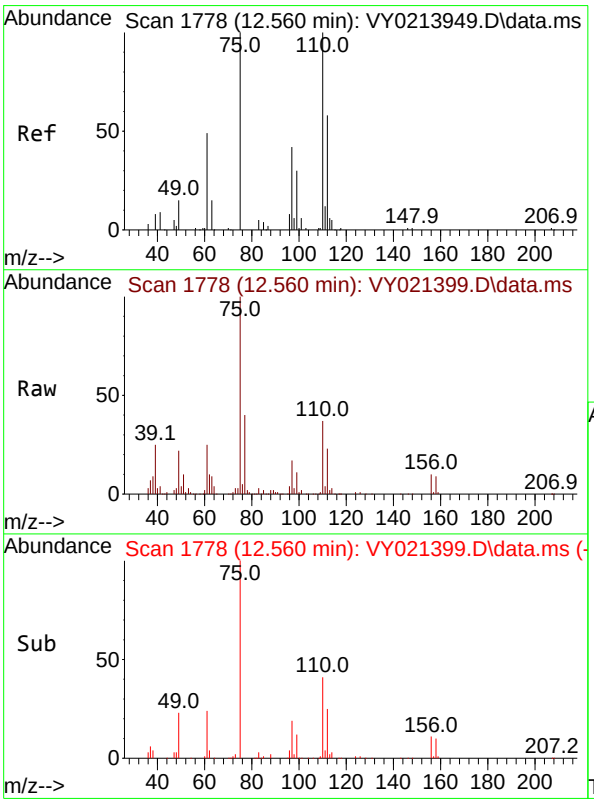
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	63.7	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

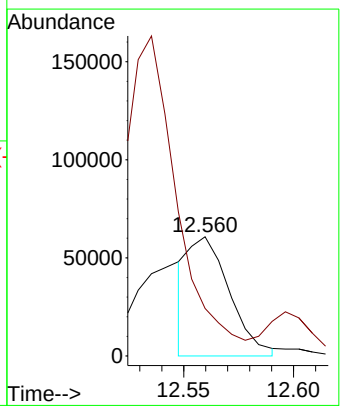


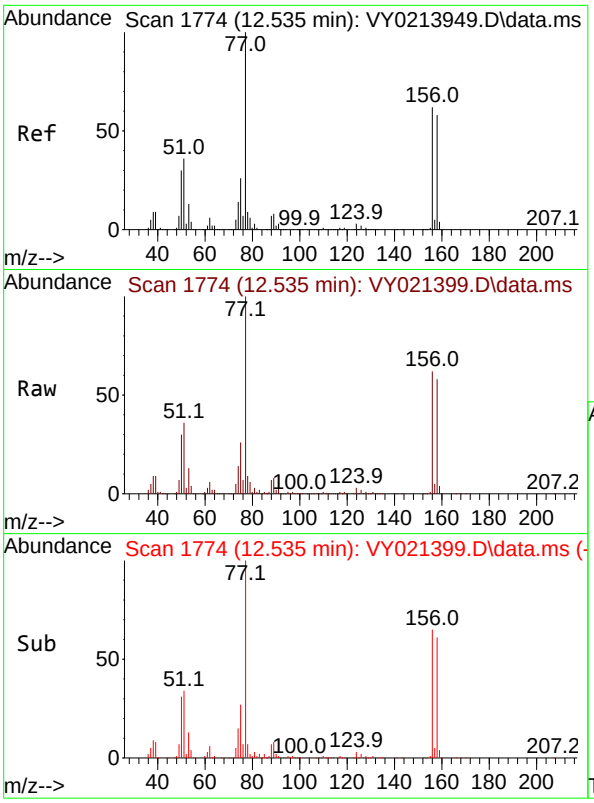


#76
1,2,3-Trichloropropane
Concen: 48.762 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 75 Resp: 79840

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 50.247 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

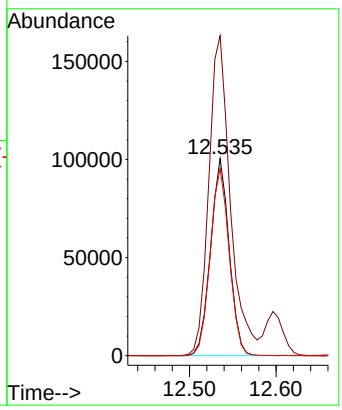
Tgt Ion:156 Resp: 150460

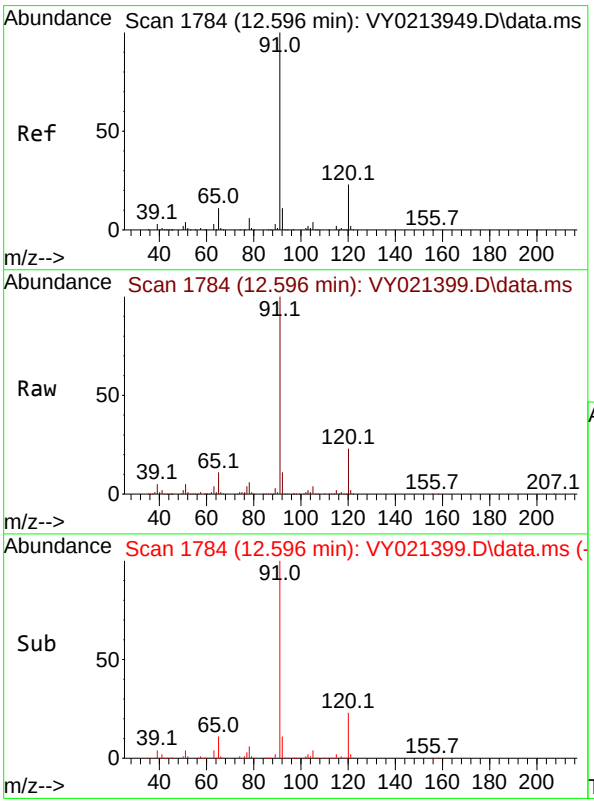
Ion	Ratio	Lower	Upper
156	100		
77	187.2	93.6	280.8
158	96.5	48.3	144.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

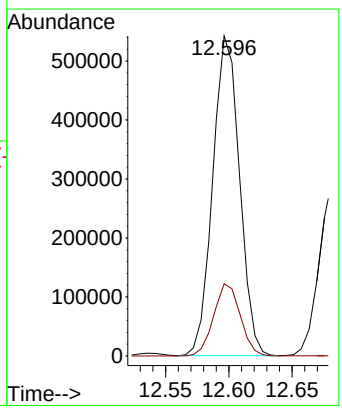


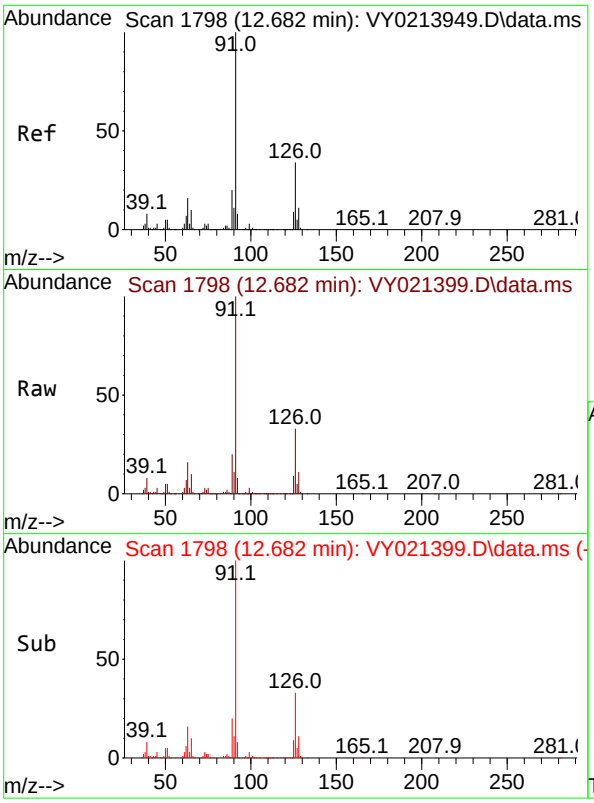


#78
n-propylbenzene
Concen: 51.272 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 91 Resp: 797005

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.8





#79
2-Chlorotoluene
Concen: 50.112 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

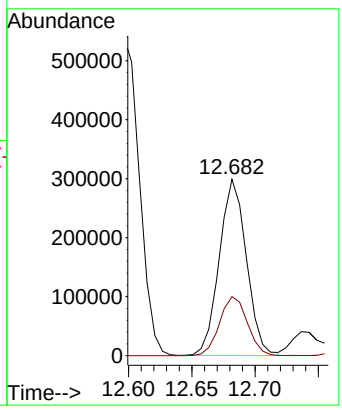
Tgt Ion: 91 Resp: 44540

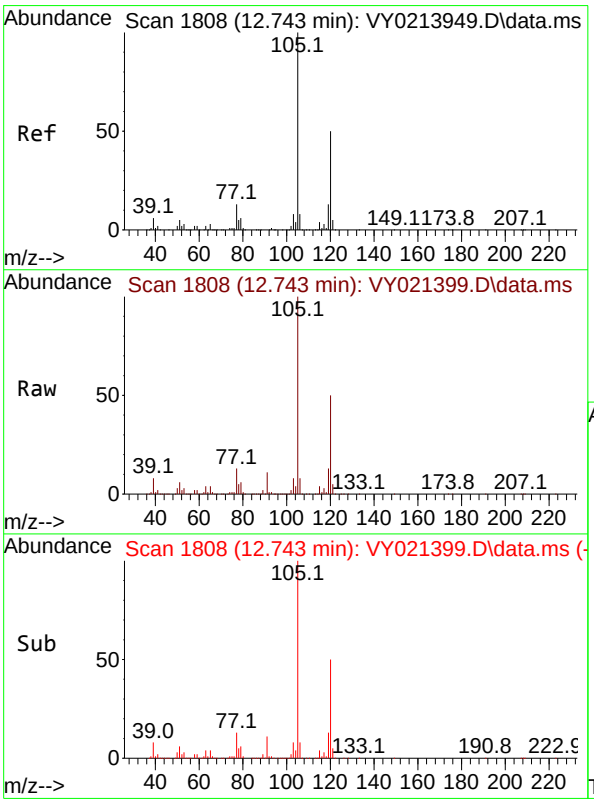
Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

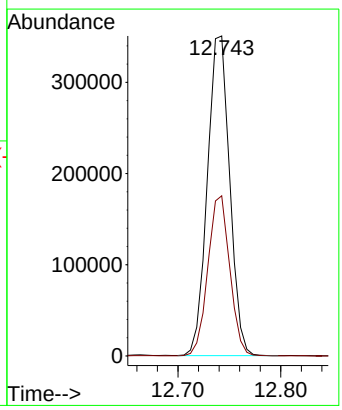


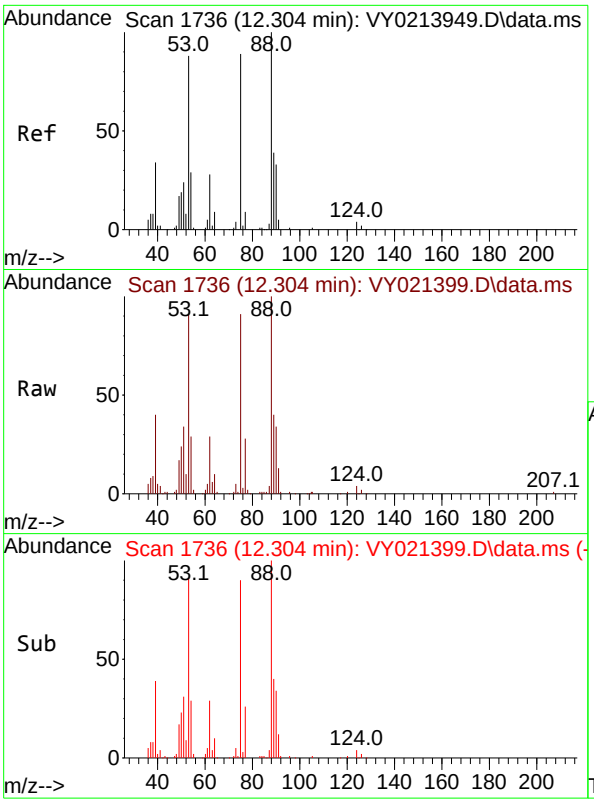


#80
1,3,5-Trimethylbenzene
Concen: 50.855 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:105 Resp: 528974

Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 53.727 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

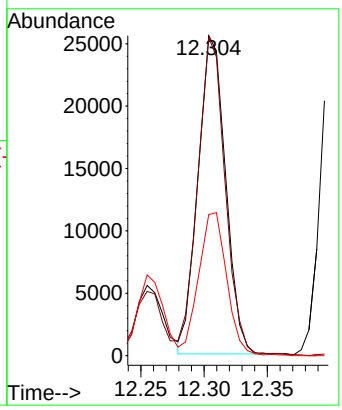
Tgt Ion: 75 Resp: 3869

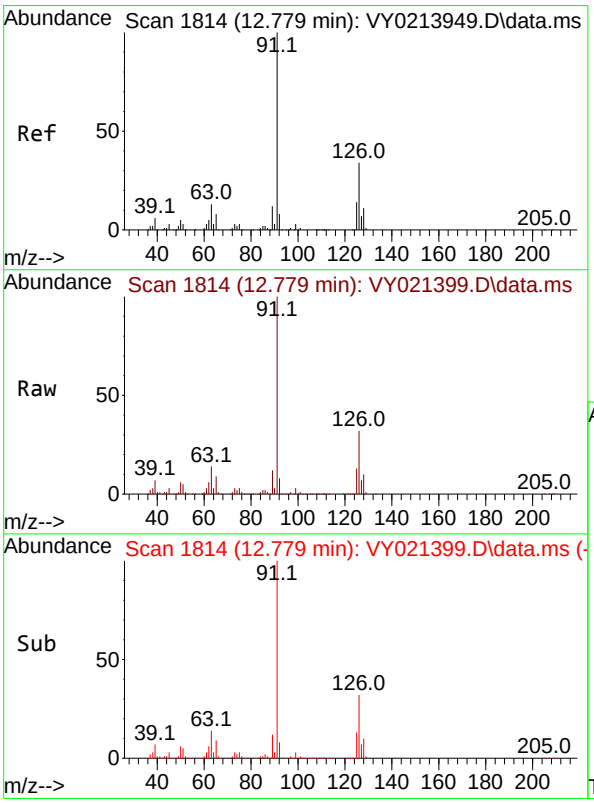
Ion	Ratio	Lower	Upper
75	100		
53	101.2	81.0	121.4
89	46.1	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

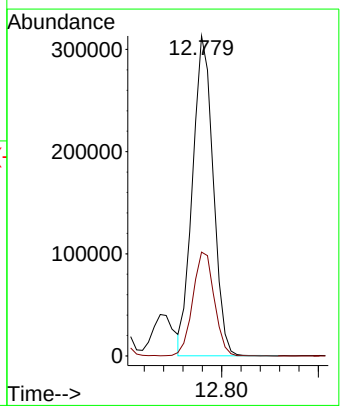


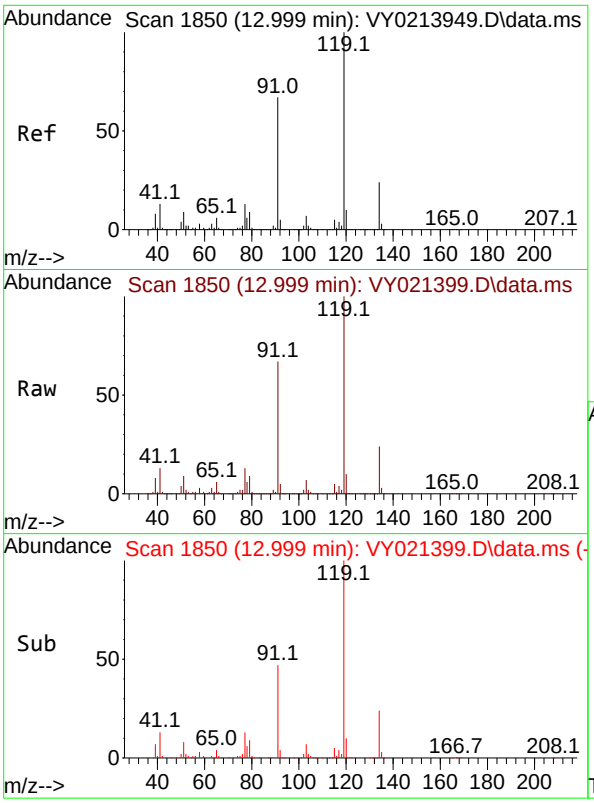


#82
4-Chlorotoluene
Concen: 50.291 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 91 Resp: 462879

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

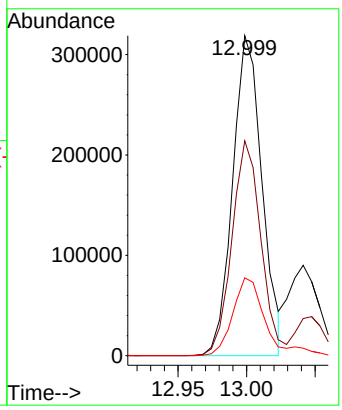




#83
tert-Butylbenzene
Concen: 51.194 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:119 Resp: 47504

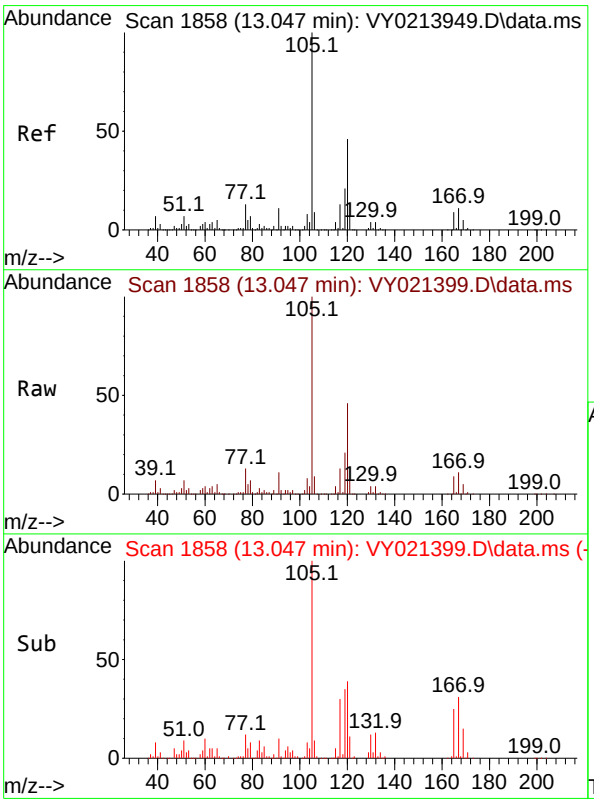
Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.2	99.6
134	27.0	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

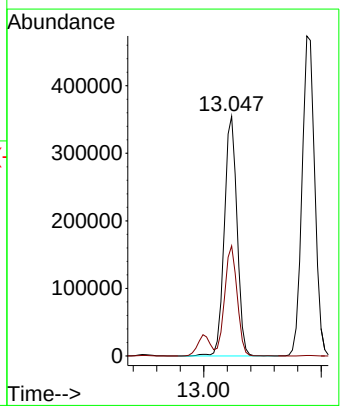
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

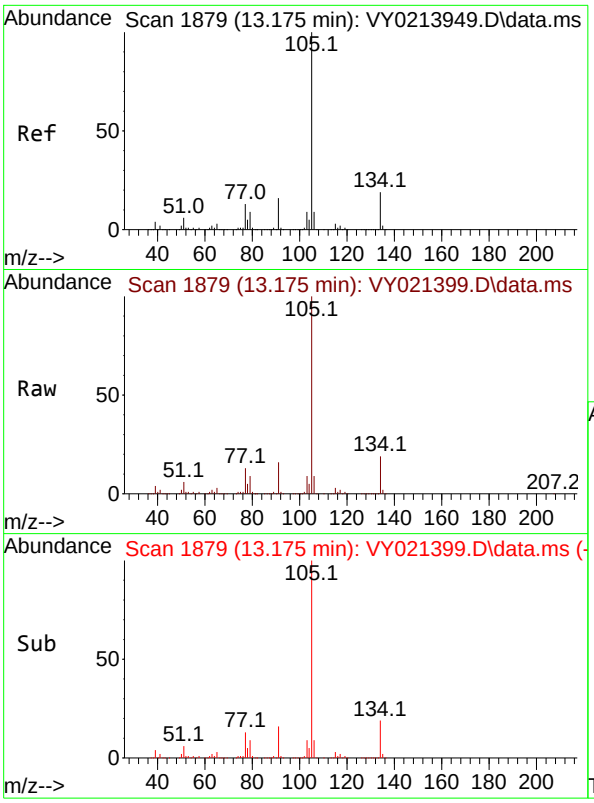


#84
1,2,4-Trimethylbenzene
Concen: 51.505 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:105 Resp: 531919

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1





#85
sec-Butylbenzene
Concen: 51.284 ug/l
RT: 13.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

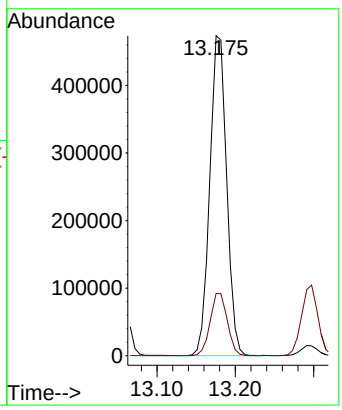
Tgt Ion:105 Resp: 70804

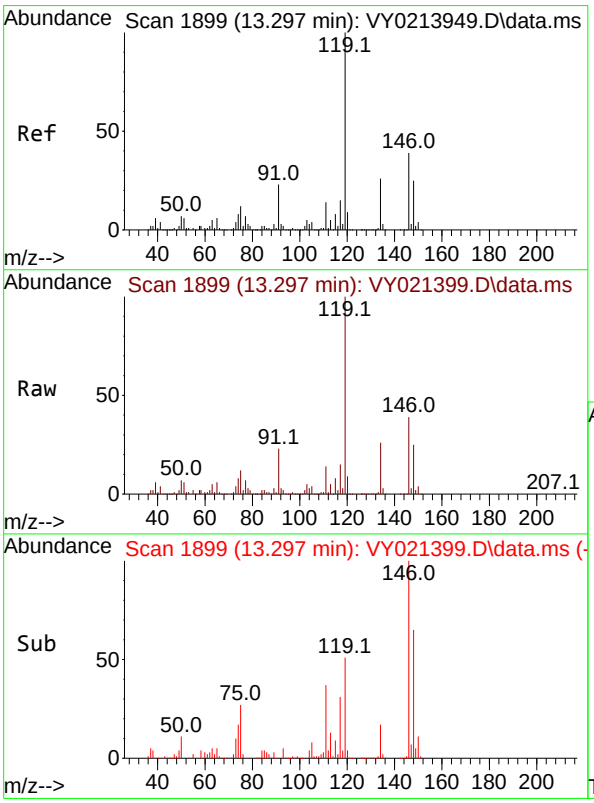
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

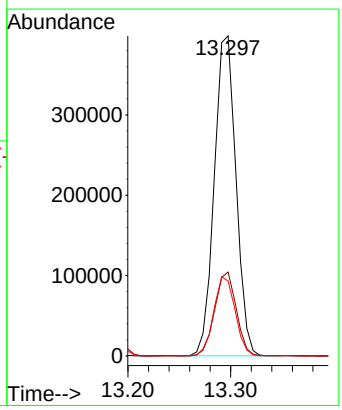


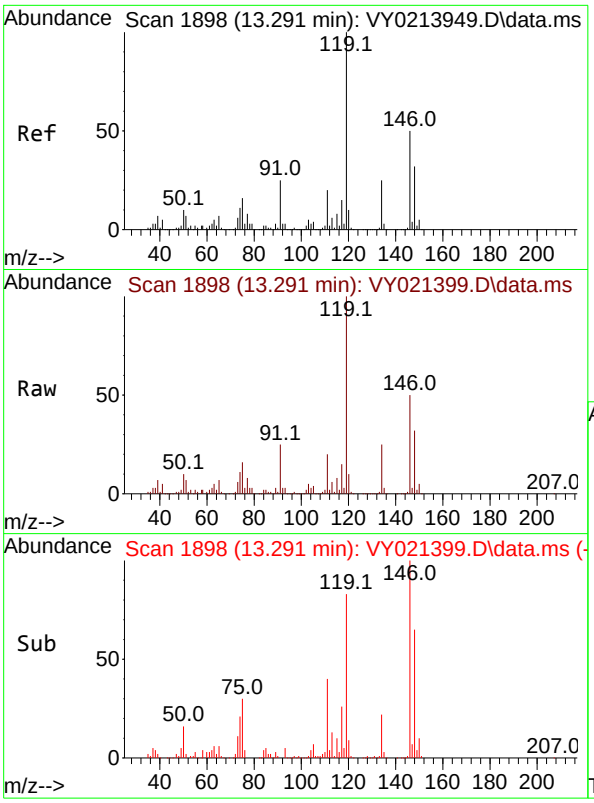


#86
p-Isopropyltoluene
Concen: 51.302 ug/l
RT: 13.297 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:119 Resp: 583517

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	24.4	12.2	36.6





#87
1,3-Dichlorobenzene
Concen: 49.392 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

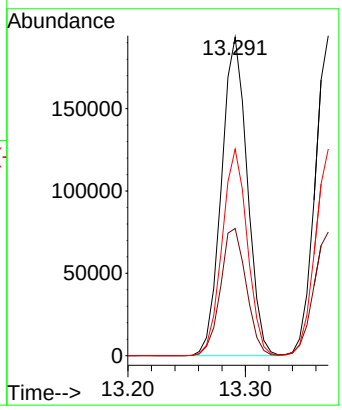
Tgt Ion:146 Resp: 29440

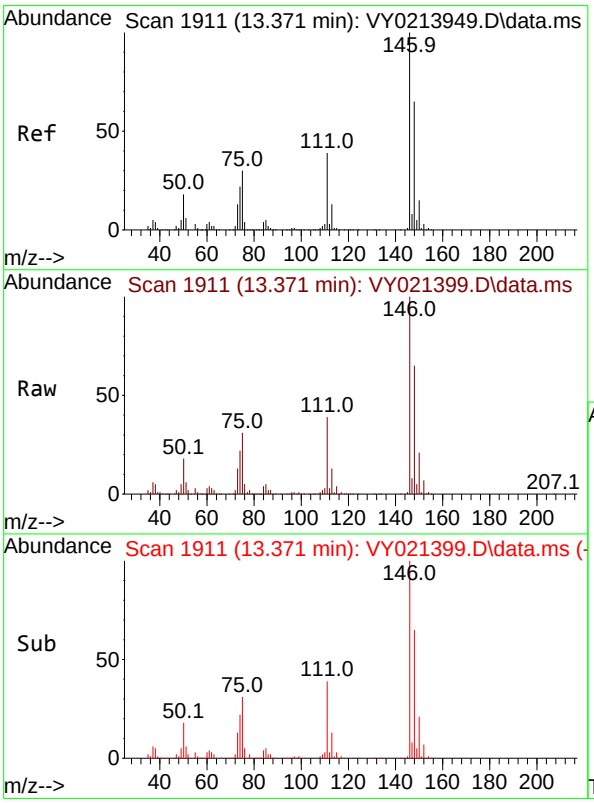
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.5	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

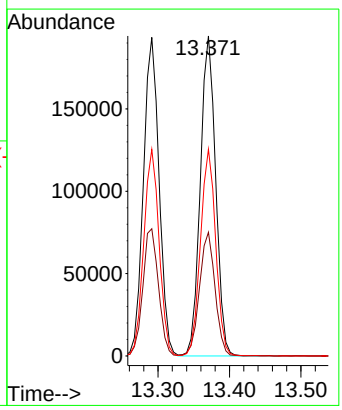


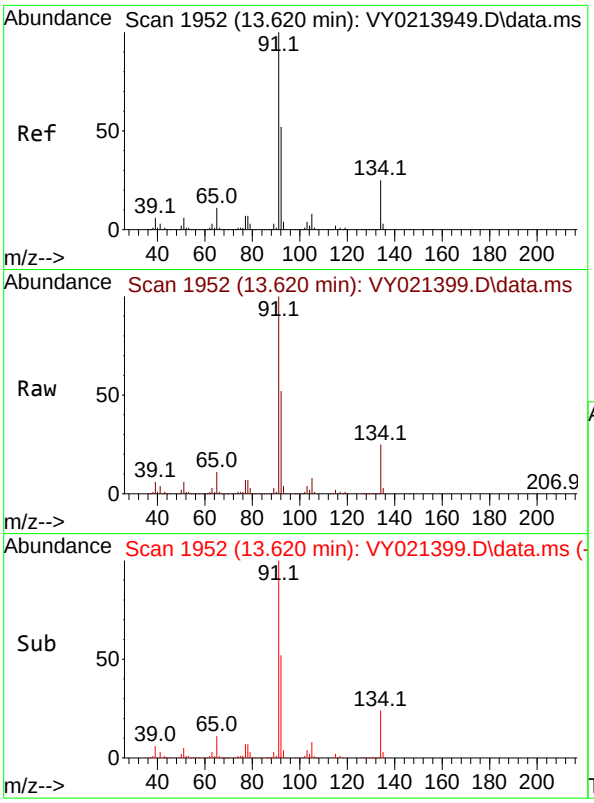


#88
1,4-Dichlorobenzene
Concen: 49.675 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:146 Resp: 289572

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	64.5	32.3	96.8





#89
n-Butylbenzene
Concen: 52.392 ug/l
RT: 13.620 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

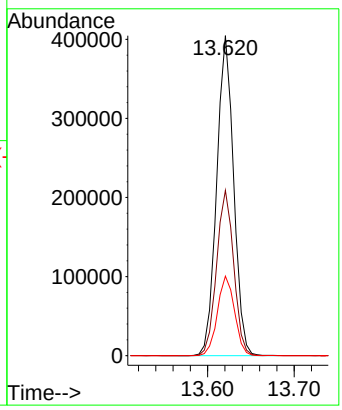
Tgt Ion: 91 Resp: 55027

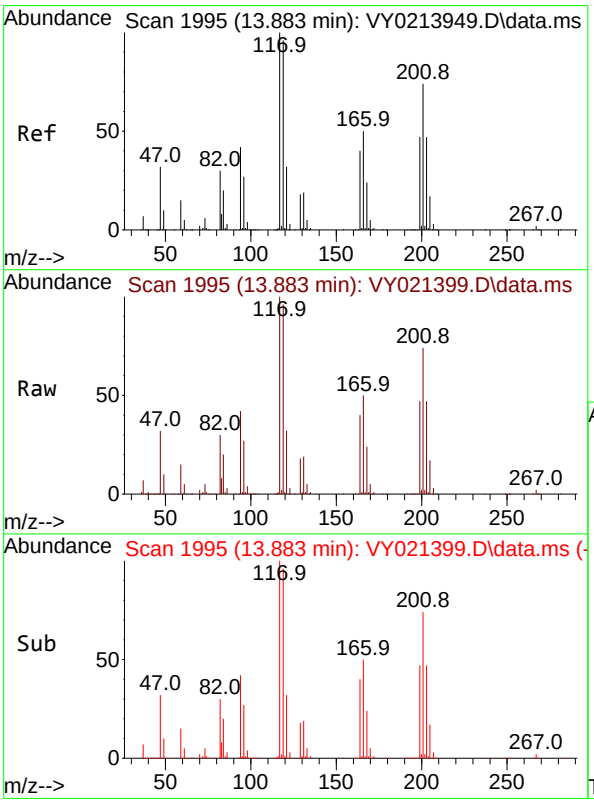
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	25.2	12.6	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

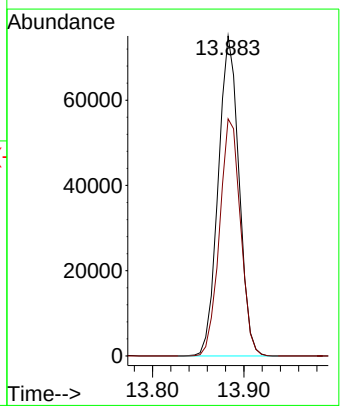


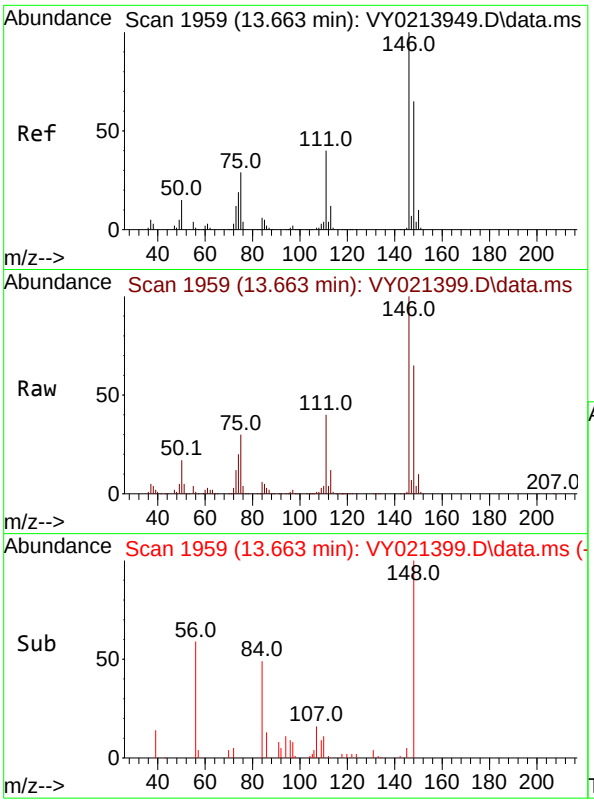


#90
Hexachloroethane
Concen: 48.822 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:117 Resp: 118465

Ion	Ratio	Lower	Upper
117	100		
201	74.8	37.4	112.2

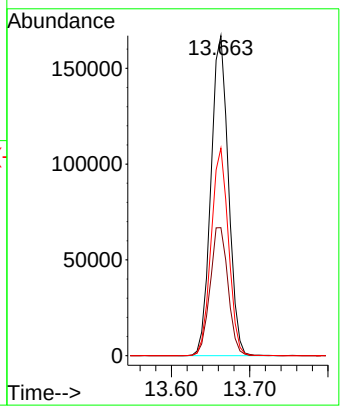




#91
1,2-Dichlorobenzene
Concen: 50.517 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:146 Resp: 25807

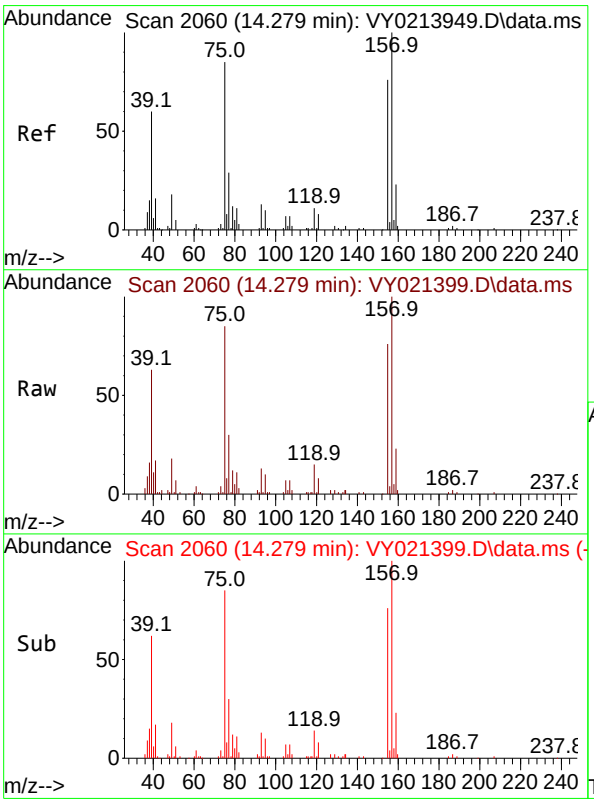
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	64.3	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

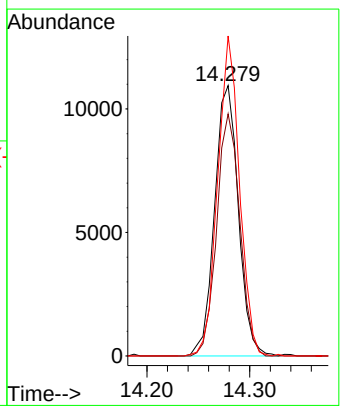
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

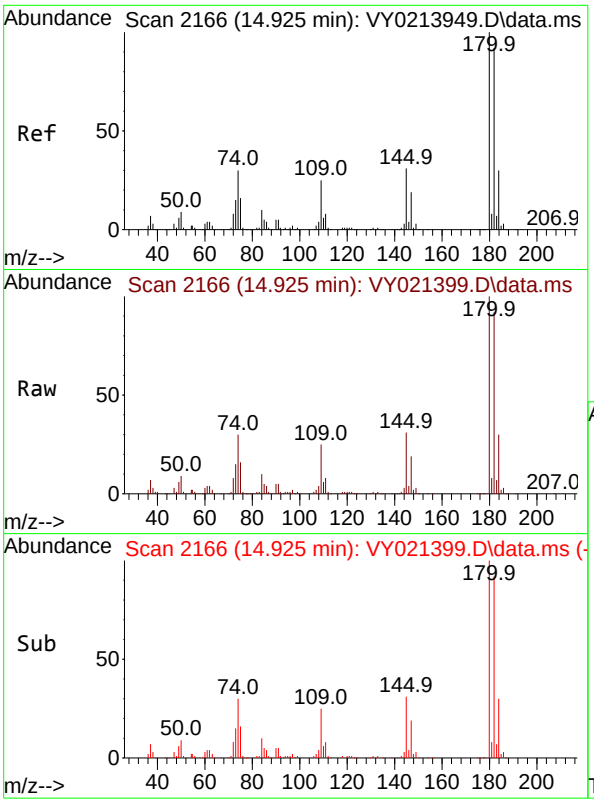


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.924 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 75 Resp: 17568

Ion	Ratio	Lower	Upper
75	100		
155	87.0	43.5	130.5
157	108.8	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 52.891 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

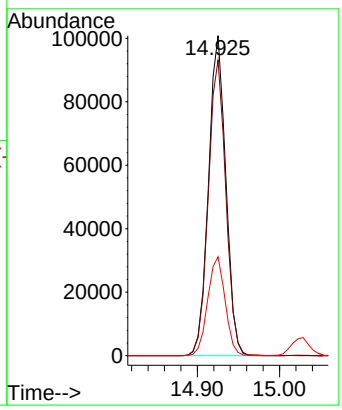
Tgt Ion:180 Resp: 14758

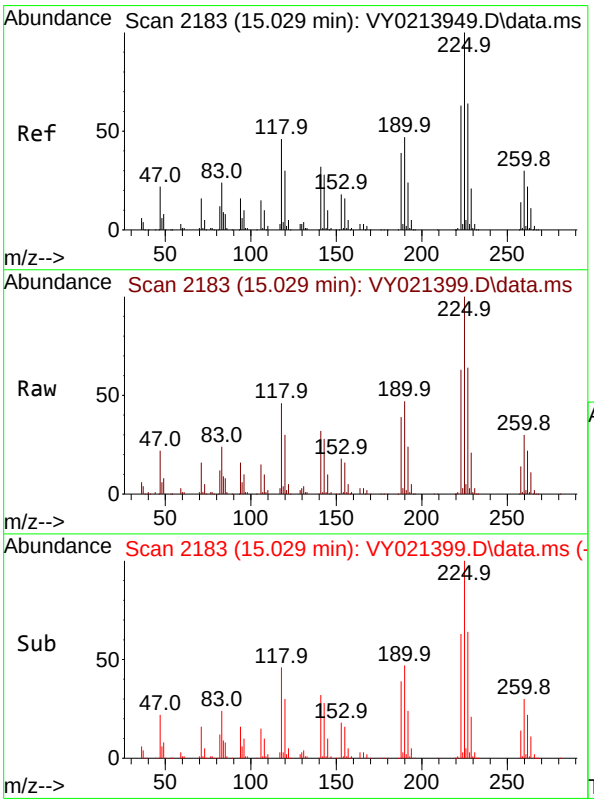
Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.7	140.0
145	31.2	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

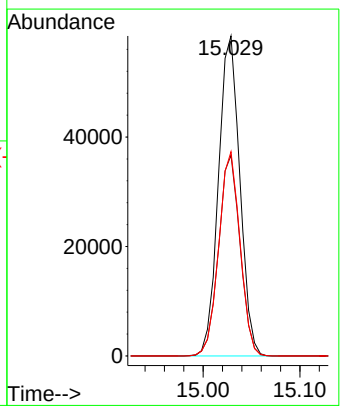


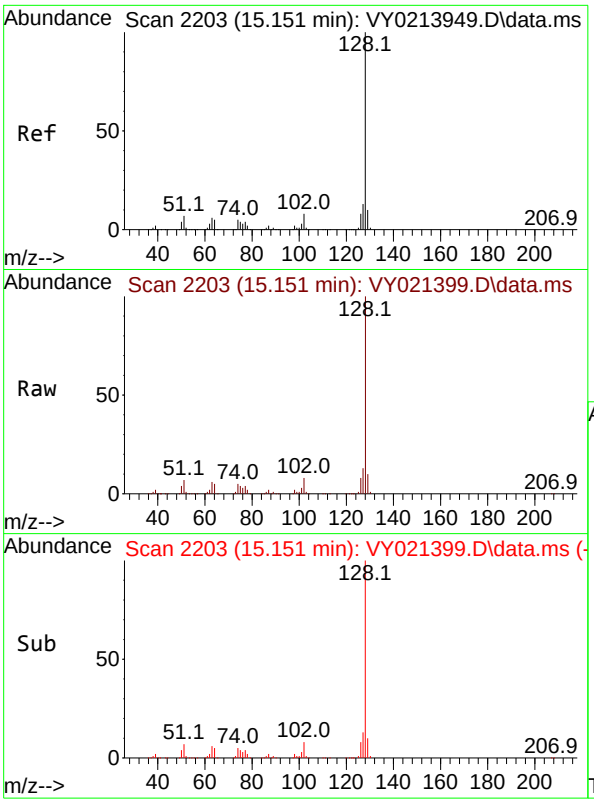


#94
Hexachlorobutadiene
Concen: 51.220 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:225 Resp: 89592

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	63.6	31.8	95.4

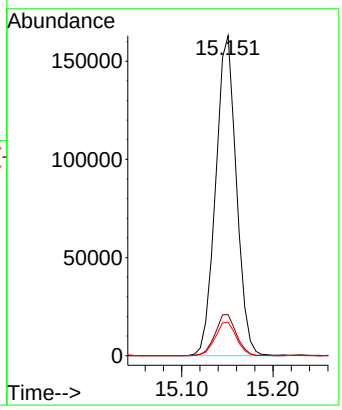




#95
Naphthalene
Concen: 53.894 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:128 Resp: 25666

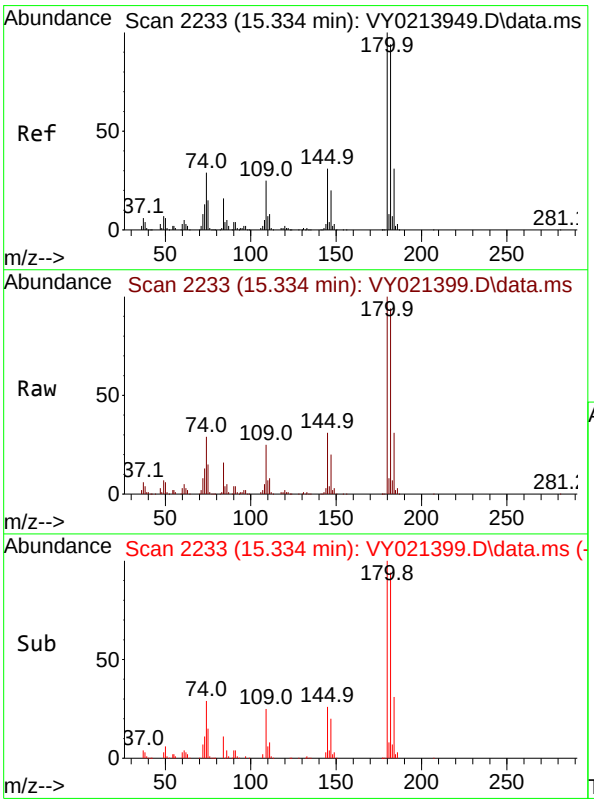
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.8	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

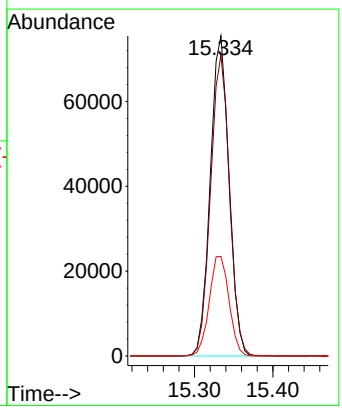
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.673 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:180 Resp: 125962

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.2	141.6
145	32.7	16.4	49.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021400.D
Acq On : 04 Mar 2025 11:06
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:00:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	244207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	369748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	325902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	161237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	249506	96.666	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 193.340%#			
35) Dibromofluoromethane	7.640	113	245300	100.930	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 201.860%#			
50) Toluene-d8	10.115	98	953319	103.596	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 207.200%#			
62) 4-Bromofluorobenzene	12.414	95	320008	102.231	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 204.460%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	214851	95.873	ug/l	98
3) Chloromethane	2.074	50	297027	94.011	ug/l	99
4) Vinyl Chloride	2.208	62	344887	99.889	ug/l	98
5) Bromomethane	2.598	94	236127	94.624	ug/l	99
6) Chloroethane	2.739	64	223479	97.944	ug/l	97
7) Trichlorofluoromethane	3.068	101	470472	97.624	ug/l	99
8) Diethyl Ether	3.464	74	129160	96.710	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.824	101	264663	96.189	ug/l	99
10) Methyl Iodide	4.013	142	306871	109.719	ug/l	100
11) Tert butyl alcohol	4.872	59	74090	460.479	ug/l	99
12) 1,1-Dichloroethene	3.799	96	250255	99.762	ug/l	99
13) Acrolein	3.659	56	10283	78.325	ug/l	89
14) Allyl chloride	4.397	41	413704	102.051	ug/l	99
15) Acrylonitrile	5.067	53	271919	478.287	ug/l	98
16) Acetone	3.872	43	252046	447.711	ug/l	94
17) Carbon Disulfide	4.116	76	790255	100.521	ug/l	100
18) Methyl Acetate	4.391	43	119905	95.992	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	634643	99.817	ug/l	100
20) Methylene Chloride	4.628	84	258664	87.531	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	278418	99.104	ug/l	96
22) Diisopropyl ether	6.025	45	878111	100.510	ug/l	97
23) Vinyl Acetate	5.970	43	2520516	505.518	ug/l	100
24) 1,1-Dichloroethane	5.921	63	505607	98.056	ug/l	99
25) 2-Butanone	6.902	43	363091	466.248	ug/l	100
26) 2,2-Dichloropropane	6.890	77	466669	98.362	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	321461	100.724	ug/l	99
28) Bromochloromethane	7.250	49	208133	96.281	ug/l	99
29) Tetrahydrofuran	7.268	42	228343	474.960	ug/l	99
30) Chloroform	7.427	83	520812	97.270	ug/l	97
31) Cyclohexane	7.707	56	460568	95.275	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	480163	97.941	ug/l	100
36) 1,1-Dichloropropene	7.841	75	388384	102.089	ug/l	99
37) Ethyl Acetate	6.994	43	162380	94.621	ug/l	98
38) Carbon Tetrachloride	7.823	117	439762	100.510	ug/l	98
39) Methylcyclohexane	9.115	83	503172	107.827	ug/l	98
40) Benzene	8.085	78	1138841	101.621	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021400.D
Acq On : 04 Mar 2025 11:06
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:00:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	95564	102.238 ug/l #	88
42) 1,2-Dichloroethane	8.164	62	305782	97.534 ug/l	100
43) Isopropyl Acetate	8.201	43	327171	100.231 ug/l	99
44) Trichloroethene	8.872	130	284312	100.395 ug/l	97
45) 1,2-Dichloropropane	9.146	63	264690	99.238 ug/l	97
46) Dibromomethane	9.237	93	146713	98.859 ug/l	100
47) Bromodichloromethane	9.426	83	395676	100.395 ug/l	99
48) Methyl methacrylate	9.225	41	156771	103.582 ug/l	100
49) 1,4-Dioxane	9.237	88	29902	2052.779 ug/l	97
51) 4-Methyl-2-Pentanone	10.006	43	850519	504.998 ug/l	100
52) Toluene	10.176	92	737467	104.377 ug/l	100
53) t-1,3-Dichloropropene	10.402	75	365825	105.356 ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	428305	103.894 ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	191894	98.848 ug/l	99
56) Ethyl methacrylate	10.444	69	271599	109.699 ug/l	98
57) 1,3-Dichloropropane	10.725	76	334146	99.311 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	600796	525.670 ug/l	100
59) 2-Hexanone	10.768	43	575211	516.516 ug/l	100
60) Dibromochloromethane	10.914	129	268359	100.834 ug/l	100
61) 1,2-Dibromoethane	11.024	107	183206	99.993 ug/l	99
64) Tetrachloroethene	10.652	164	265100	100.033 ug/l	97
65) Chlorobenzene	11.450	112	776963	100.956 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	275635	101.302 ug/l	99
67) Ethyl Benzene	11.524	91	1439764	106.585 ug/l	100
68) m/p-Xylenes	11.633	106	1085642	211.694 ug/l	99
69) o-Xylene	11.962	106	507619	107.399 ug/l	100
70) Styrene	11.975	104	851456	108.590 ug/l	99
71) Bromoform	12.139	173	154505	101.579 ug/l	99
73) Isopropylbenzene	12.261	105	1364499	107.432 ug/l	99
74) N-amyl acetate	12.078	43	298318	108.151 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	215229	96.028 ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	157519m	96.949 ug/l	
77) Bromobenzene	12.536	156	301928	101.611 ug/l	99
78) n-propylbenzene	12.603	91	1627111	105.485 ug/l	100
79) 2-Chlorotoluene	12.688	91	910543	103.236 ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	1087821	105.392 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	73701	103.120 ug/l	97
82) 4-Chlorotoluene	12.786	91	945021	103.470 ug/l	99
83) tert-Butylbenzene	13.005	119	998366	108.425 ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	1081299	105.512 ug/l	99
85) sec-Butylbenzene	13.182	105	1441675	105.232 ug/l	99
86) p-Isopropyltoluene	13.298	119	1212941	107.466 ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	593203	100.292 ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	575089	99.419 ug/l	99
89) n-Butylbenzene	13.621	91	1139920	109.374 ug/l	99
90) Hexachloroethane	13.889	117	244664	101.612 ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	505733	99.761 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	31708	94.443 ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	298684	107.869 ug/l	98
94) Hexachlorobutadiene	15.029	225	182747	105.287 ug/l	100
95) Naphthalene	15.151	128	506570	97.607 ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	248728	106.805 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021400.D
Acq On : 04 Mar 2025 11:06
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:00:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

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

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

ICAL Form

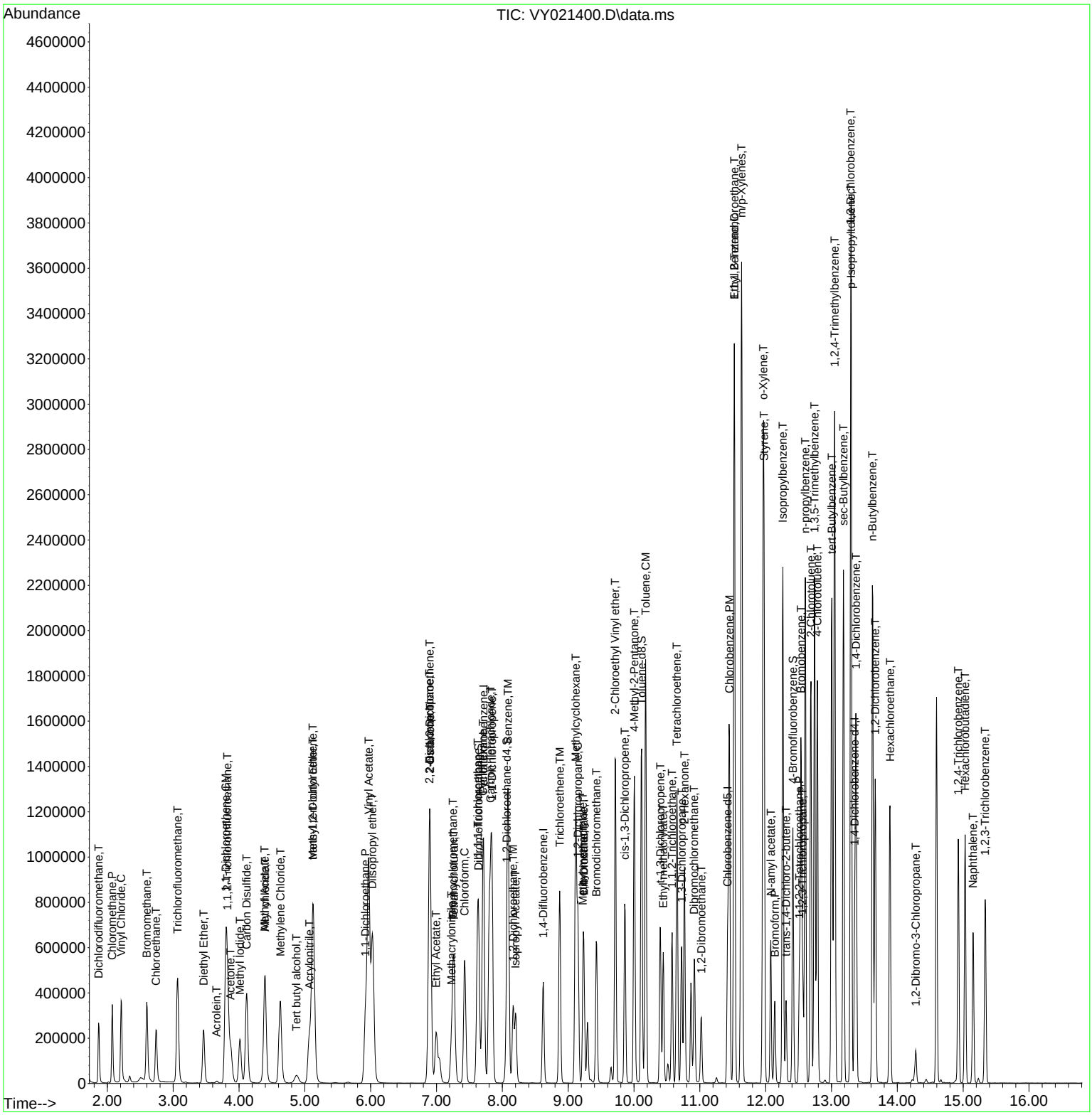
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021400.D
Acq On : 04 Mar 2025 11:06
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

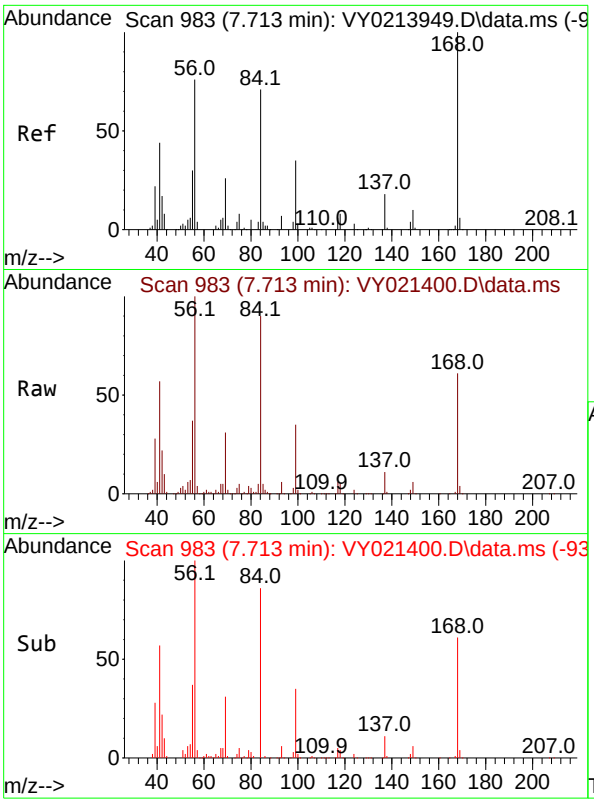
Quant Time: Mar 05 03:00:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

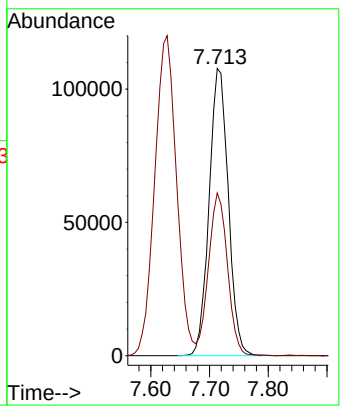




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:168 Resp: 24420

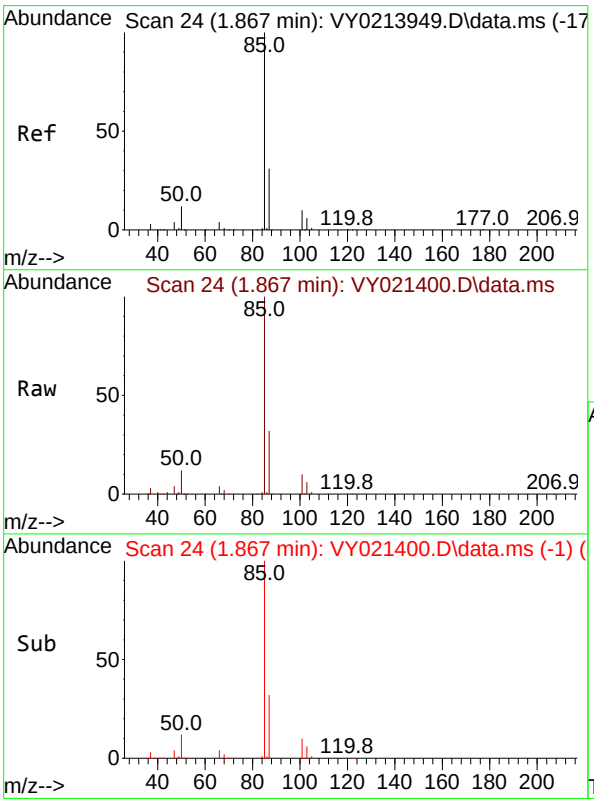
Ion	Ratio	Lower	Upper
168	100		
99	56.6	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

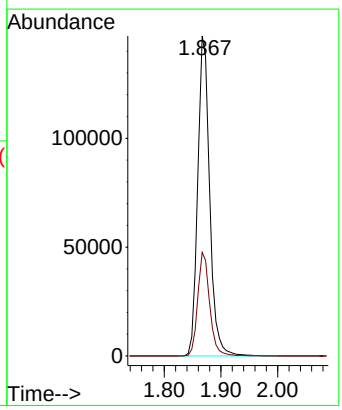
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

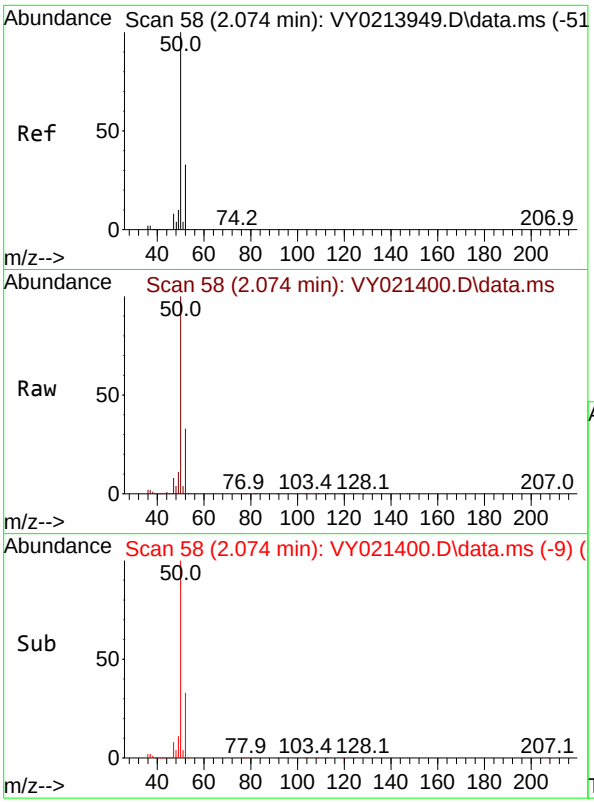


#2
Dichlorodifluoromethane
Concen: 95.873 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 85 Resp: 214851

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.7	47.0

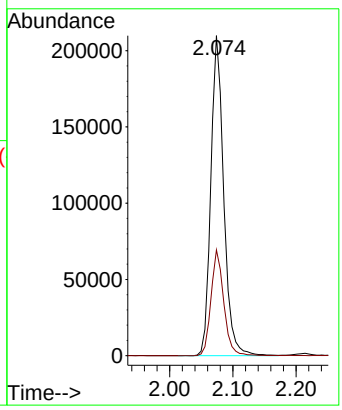




#3
Chloromethane
Concen: 94.011 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 50 Resp: 29702

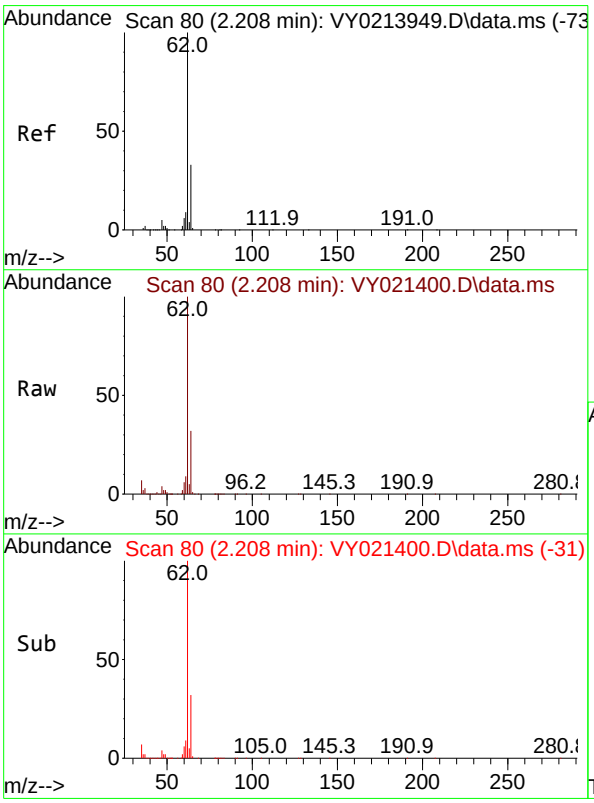
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

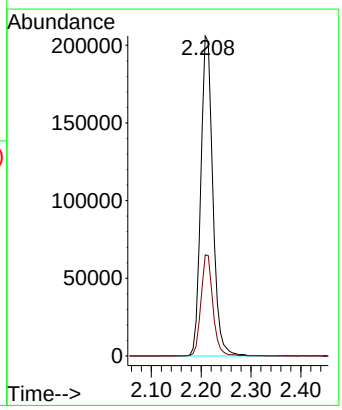
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

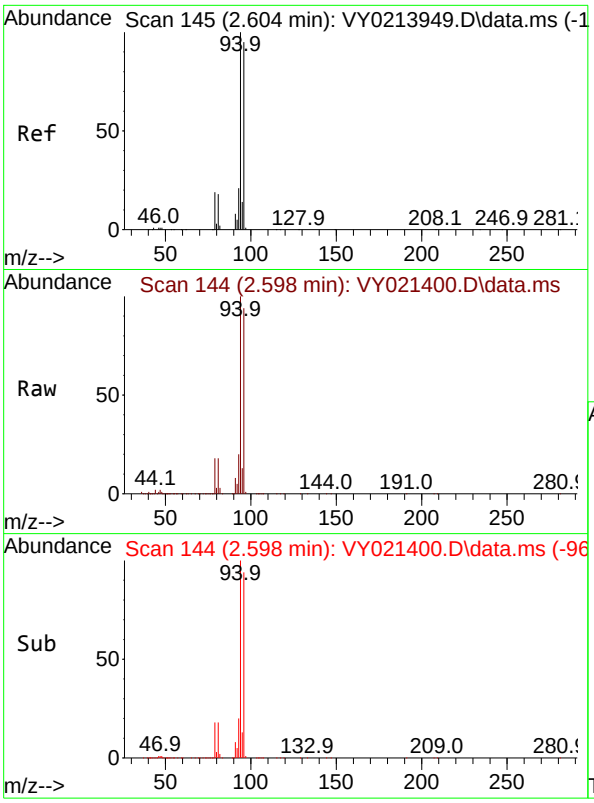


#4
Vinyl Chloride
Concen: 99.889 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 62 Resp: 344887

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.2	39.2





#5
Bromomethane
Concen: 94.624 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

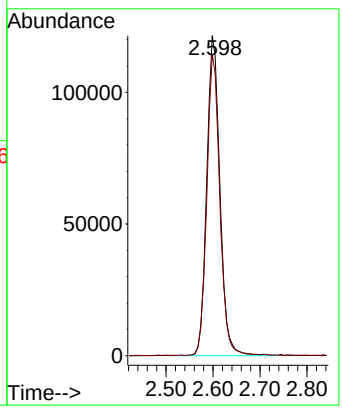
Tgt Ion: 94 Resp: 23612

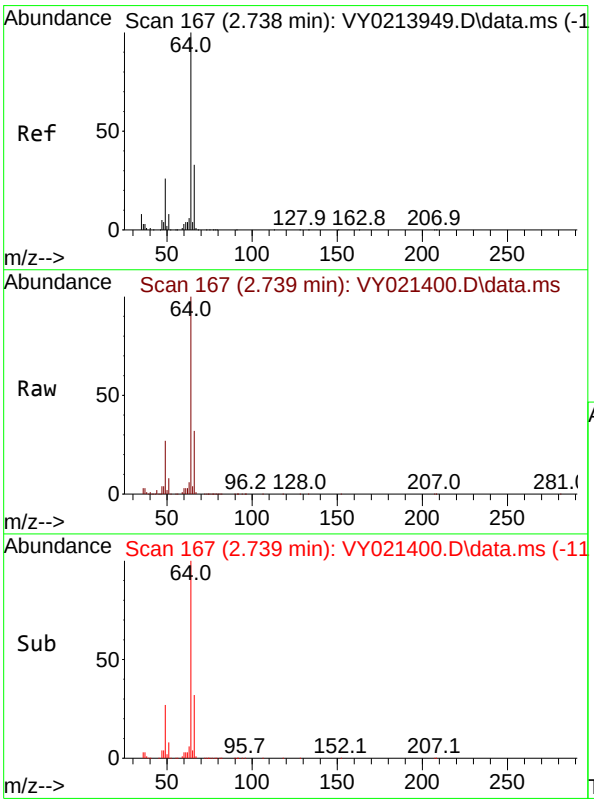
Ion	Ratio	Lower	Upper
94	100		
96	94.0	76.3	114.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

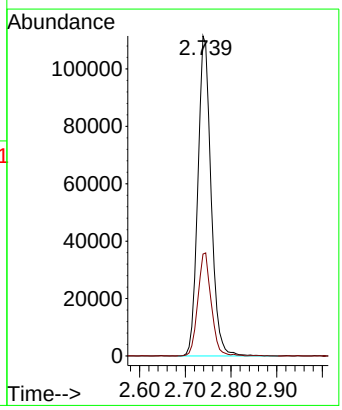


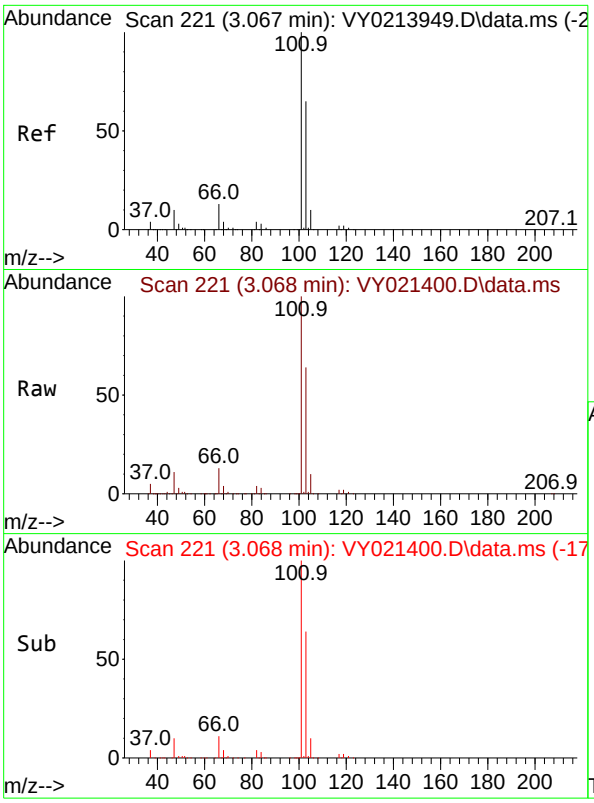


#6
Chloroethane
Concen: 97.944 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 64 Resp: 223479

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.7	40.1





#7
Trichlorofluoromethane
Concen: 97.624 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

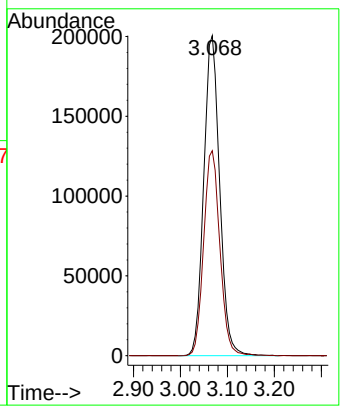
Tgt Ion:101 Resp: 47047

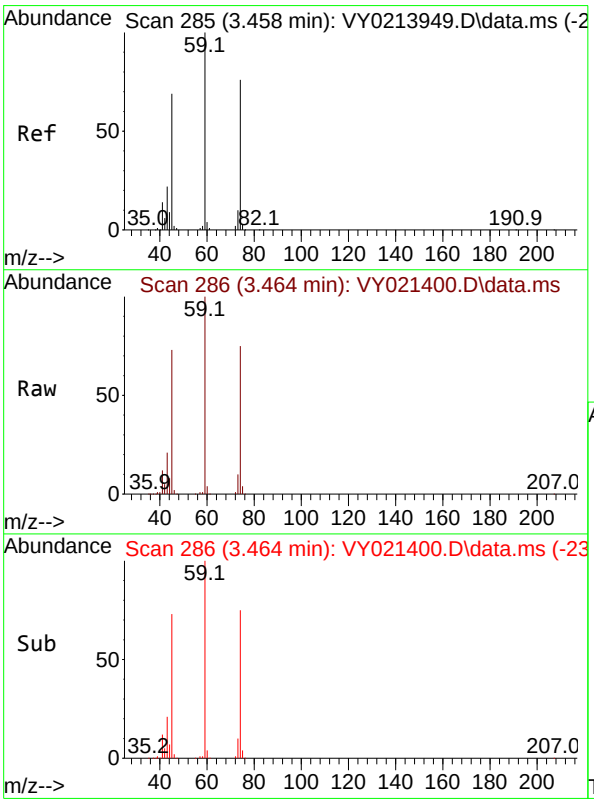
Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

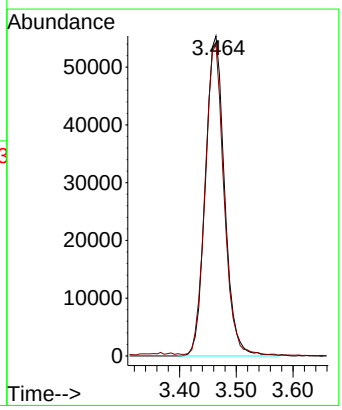


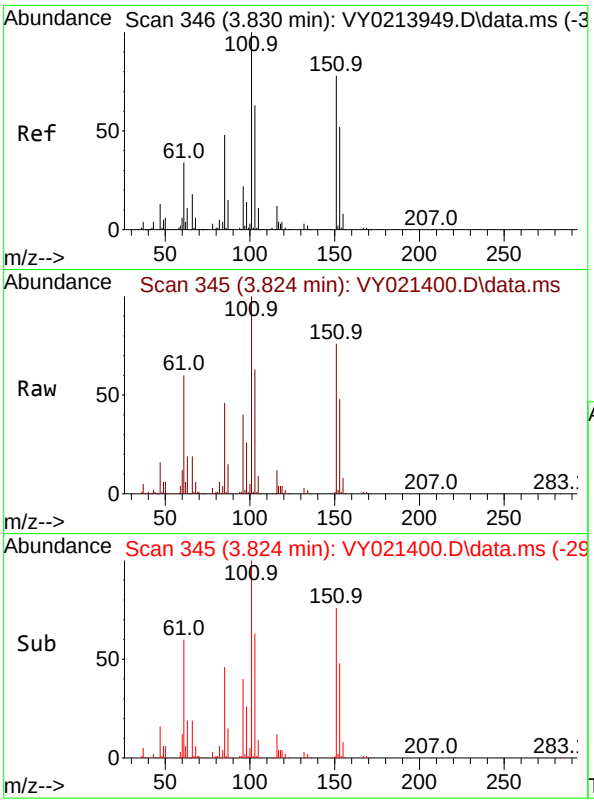


#8
Diethyl Ether
Concen: 96.710 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 74 Resp: 129160

Ion	Ratio	Lower	Upper
74	100		
45	95.8	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.189 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

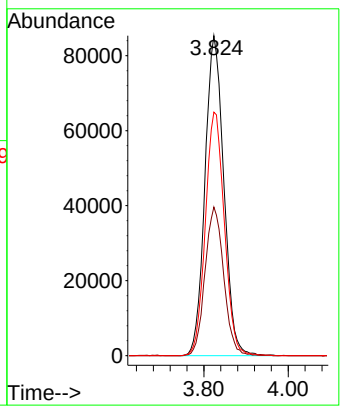
Tgt Ion:101 Resp: 26466

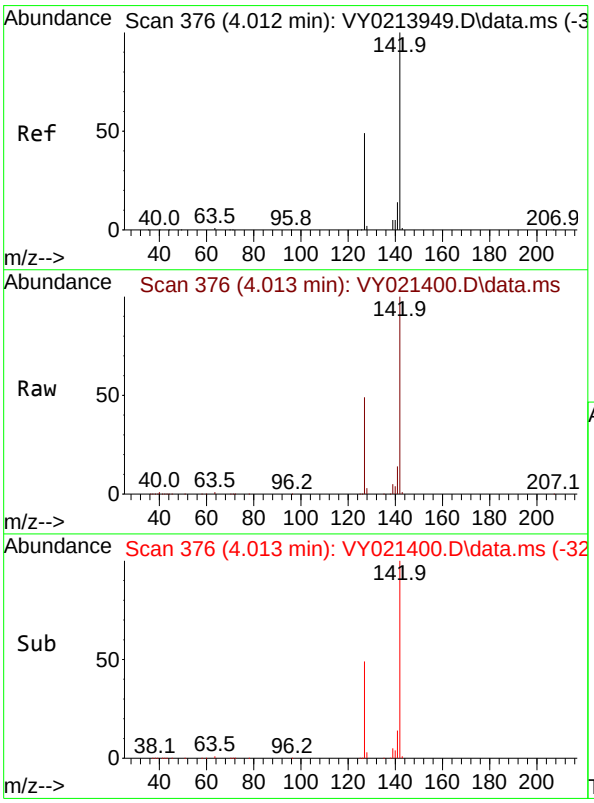
Ion	Ratio	Lower	Upper
101	100		
85	46.2	37.1	55.7
151	76.9	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

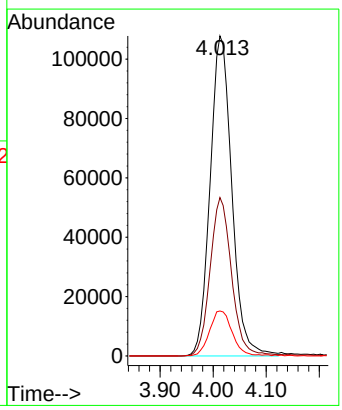


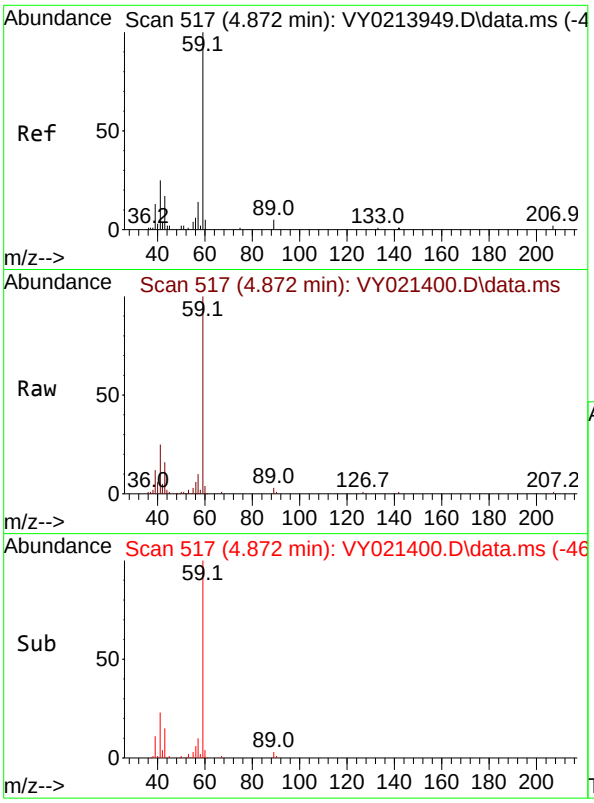


#10
Methyl Iodide
Concen: 109.719 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:142 Resp: 306871

Ion	Ratio	Lower	Upper
142	100		
127	49.0	39.1	58.7
141	14.7	11.8	17.6

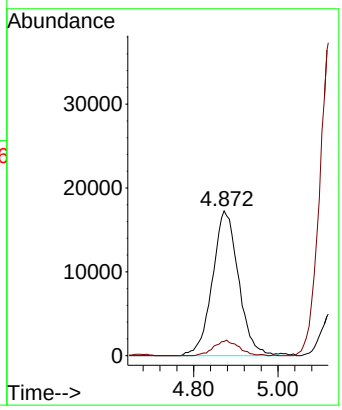




#11
Tert butyl alcohol
Concen: 460.479 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 59 Resp: 7409

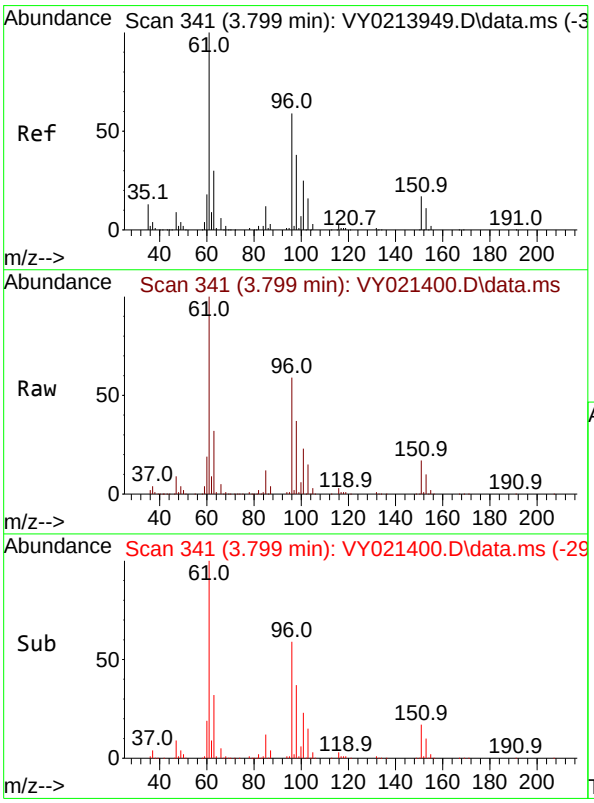
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

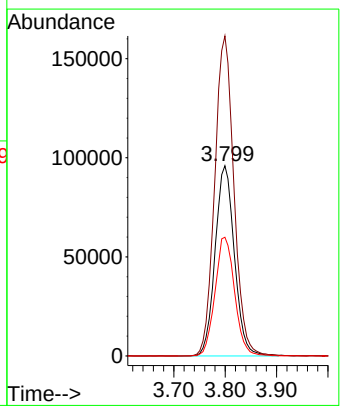
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

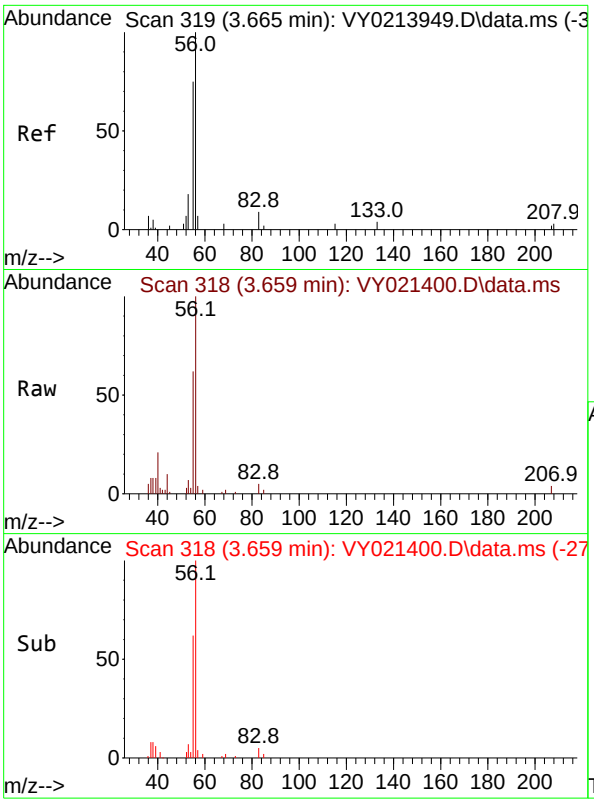


#12
1,1-Dichloroethene
Concen: 99.762 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 96 Resp: 250255

Ion	Ratio	Lower	Upper
96	100		
61	168.1	135.2	202.8
98	62.4	51.4	77.2





#13
Acrolein
Concen: 78.325 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

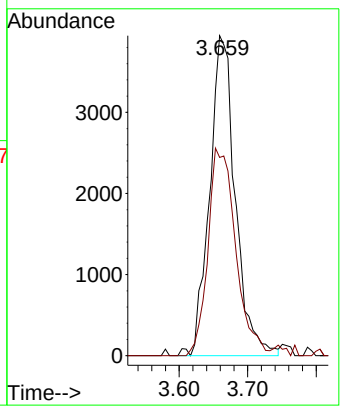
Tgt Ion: 56 Resp: 1028

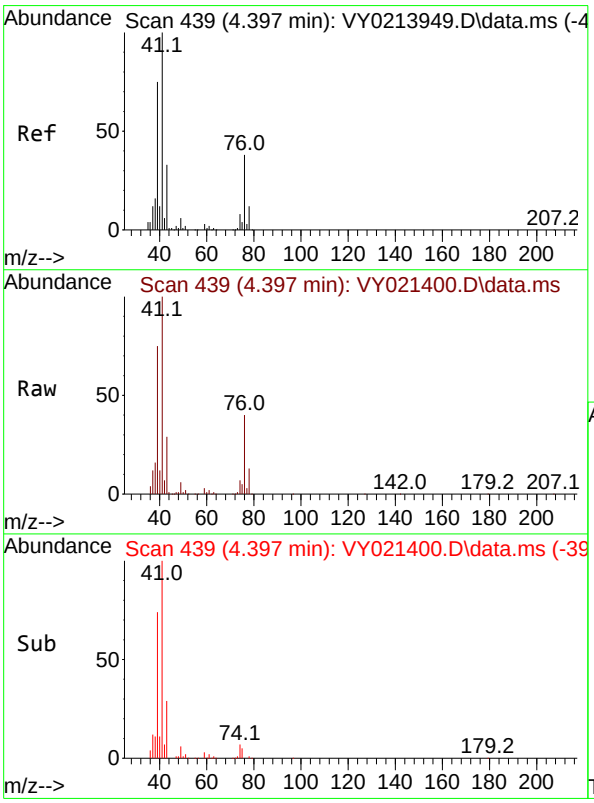
Ion	Ratio	Lower	Upper
56	100		
55	69.8	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

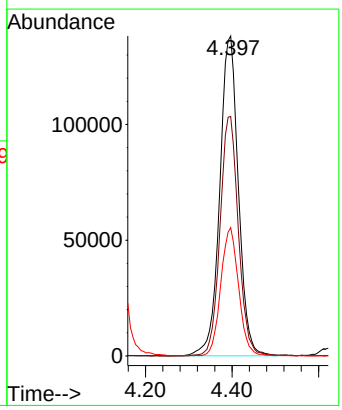


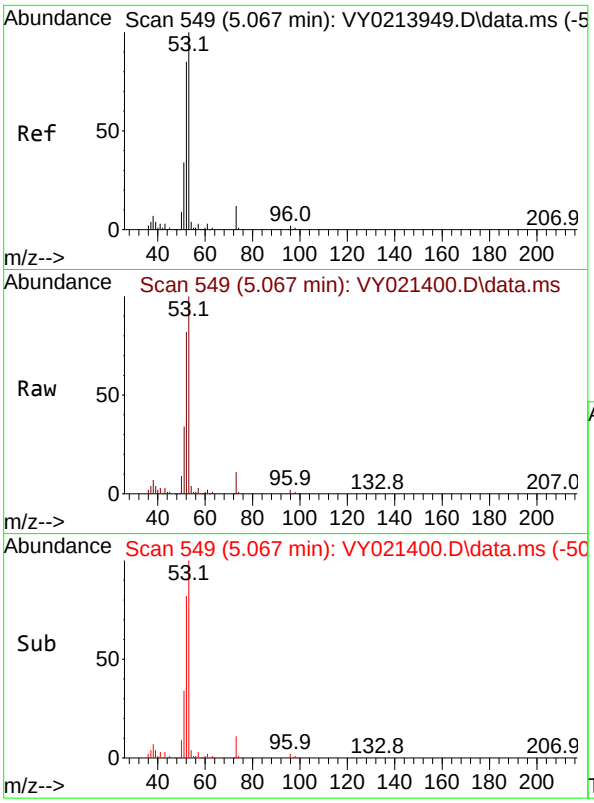


#14
Allyl chloride
Concen: 102.051 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 41 Resp: 413704

Ion	Ratio	Lower	Upper
41	100		
39	74.0	59.3	88.9
76	38.3	29.8	44.8





#15
Acrylonitrile
Concen: 478.287 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

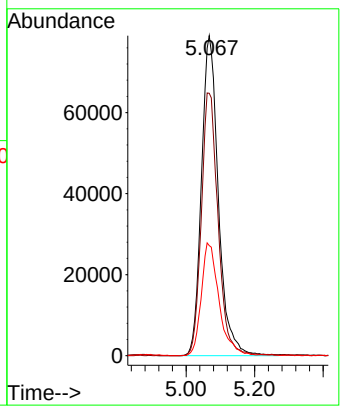
Tgt Ion: 53 Resp: 27191

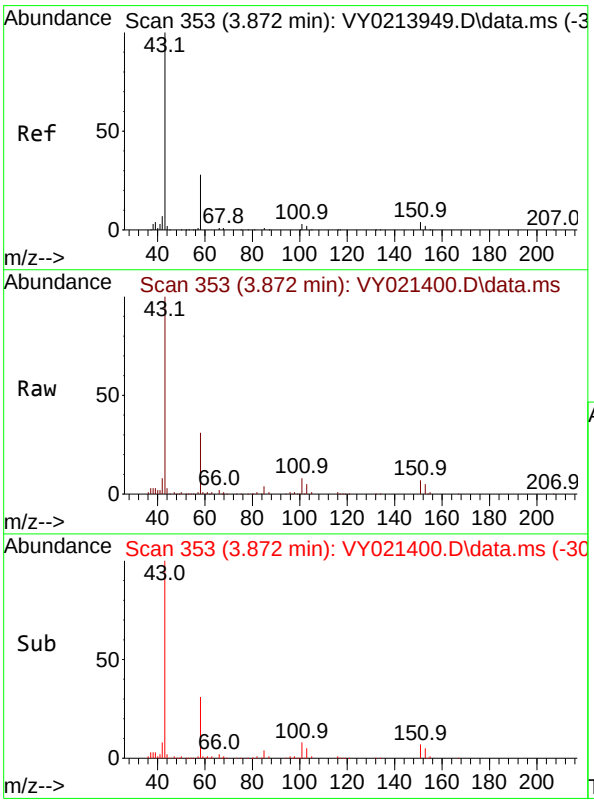
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.3	99.5
51	37.0	30.3	45.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

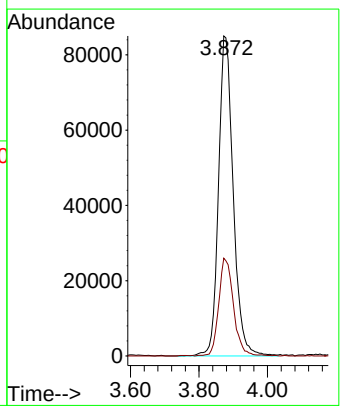


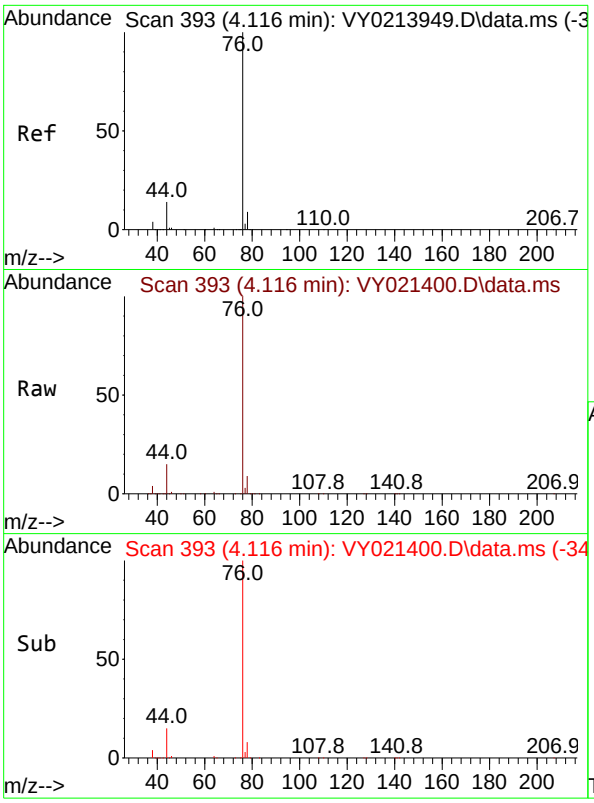


#16
Acetone
Concen: 447.711 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 43 Resp: 252046

Ion	Ratio	Lower	Upper
43	100		
58	30.5	22.1	33.1

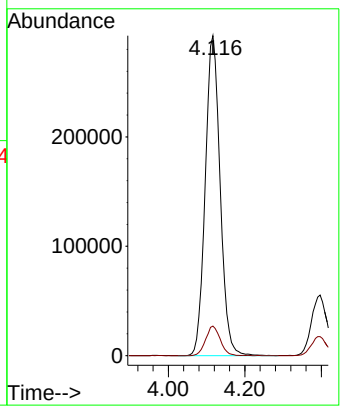




#17
Carbon Disulfide
Concen: 100.521 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 76 Resp: 79025

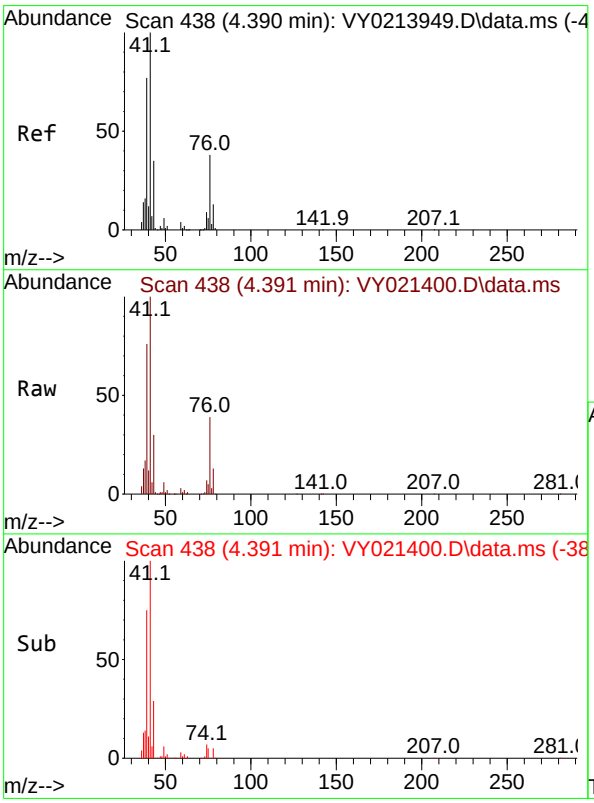
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

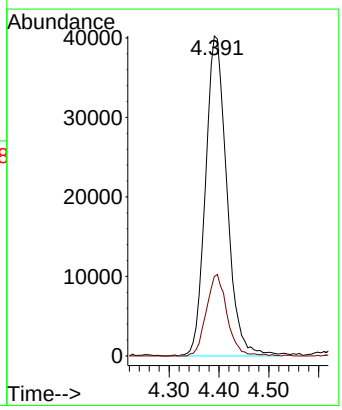
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

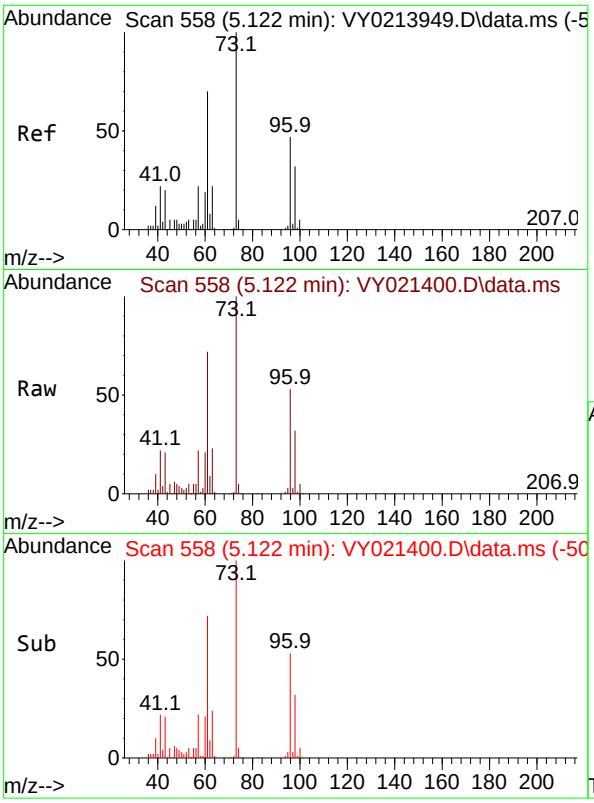


#18
Methyl Acetate
Concen: 95.992 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 43 Resp: 119905

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.4	29.0





#19
Methyl tert-butyl Ether
Concen: 99.817 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

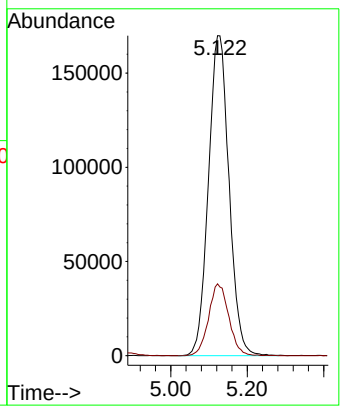
Tgt Ion: 73 Resp: 63464

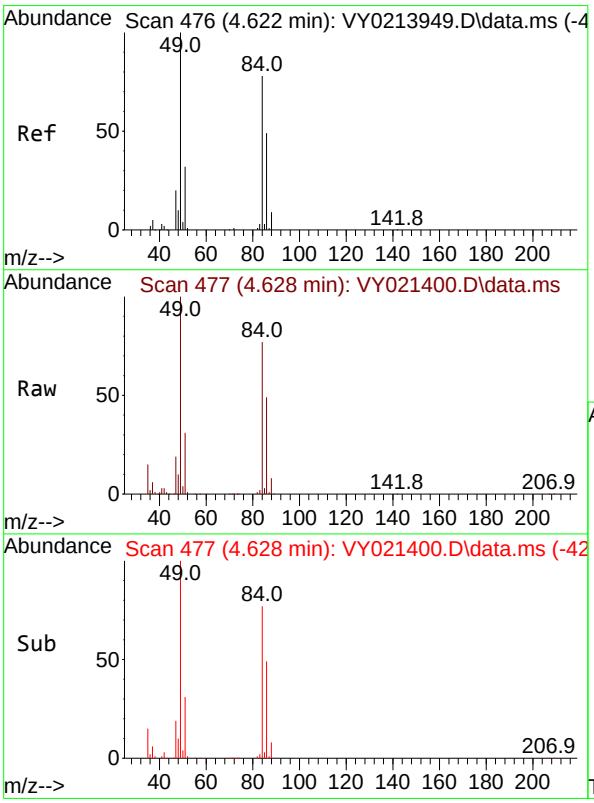
Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.9	26.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

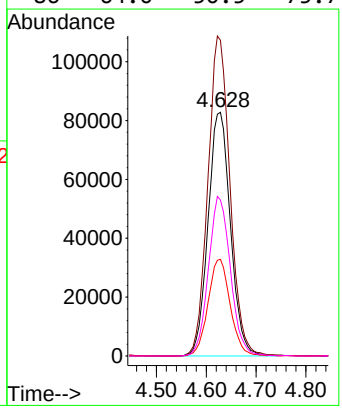


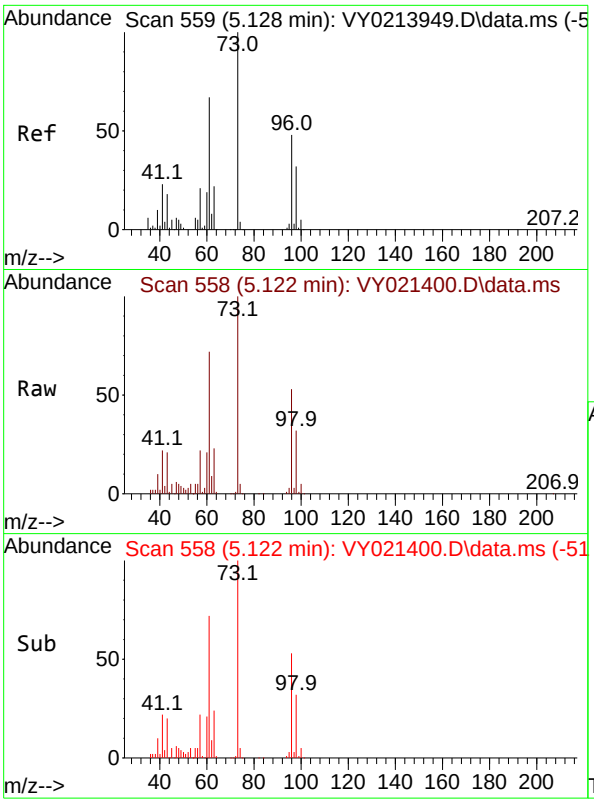


#20
Methylene Chloride
Concen: 87.531 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 84 Resp: 258664

Ion	Ratio	Lower	Upper
84	100		
49	129.5	102.0	153.0
51	39.6	33.0	49.6
86	64.0	50.5	75.7

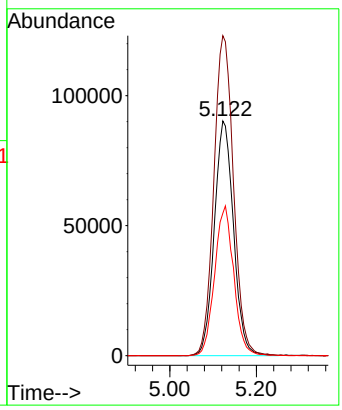




#21
trans-1,2-Dichloroethene
Concen: 99.104 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 96 Resp: 27841

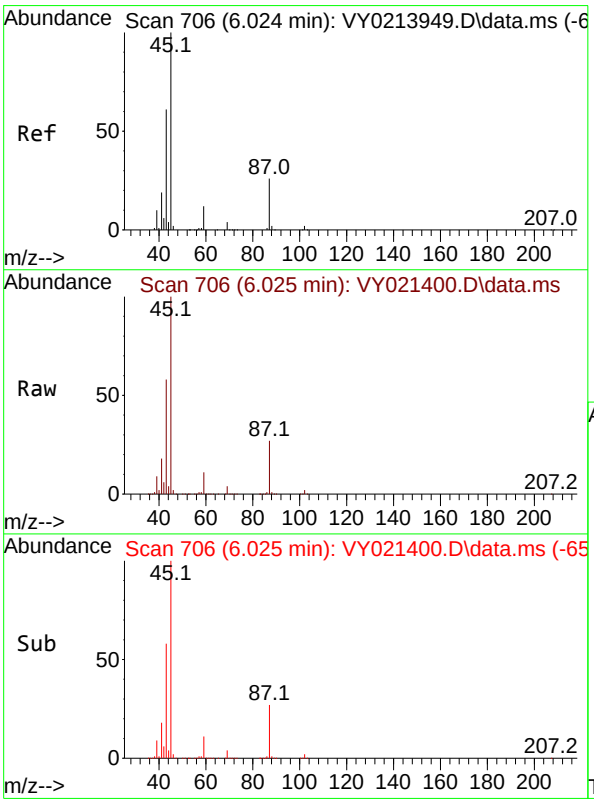
Ion	Ratio	Lower	Upper
96	100		
61	136.3	111.5	167.3
98	60.6	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

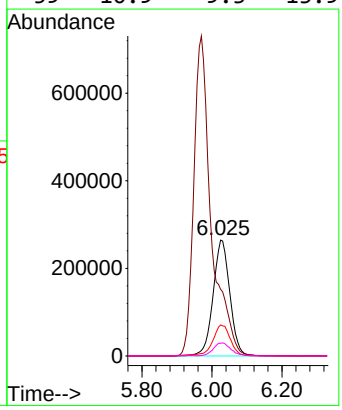
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

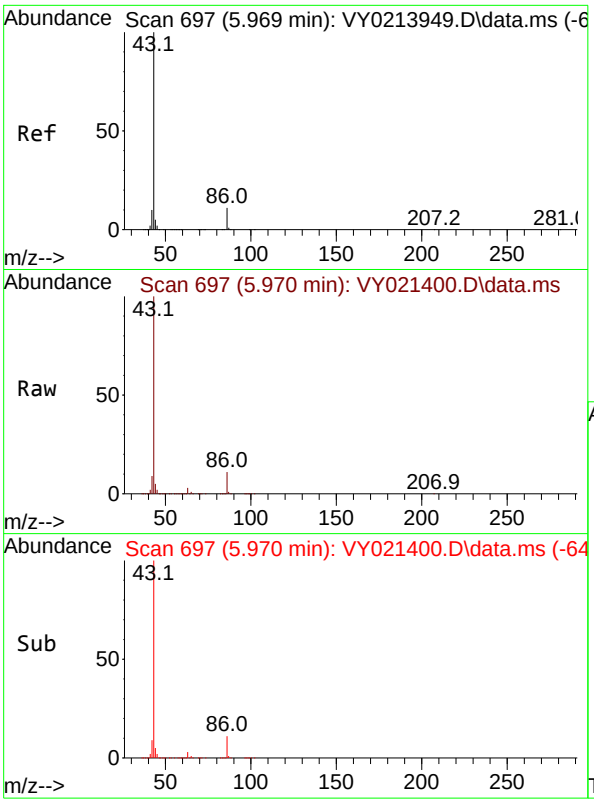


#22
Diisopropyl ether
Concen: 100.510 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 45 Resp: 878111

Ion	Ratio	Lower	Upper
45	100		
43	57.4	48.7	73.1
87	26.8	21.5	32.3
59	10.9	9.3	13.9





#23
Vinyl Acetate
Concen: 505.518 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

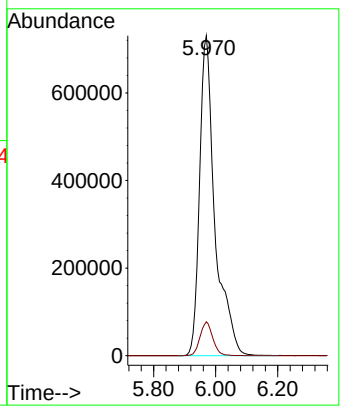
Tgt Ion: 43 Resp: 252051

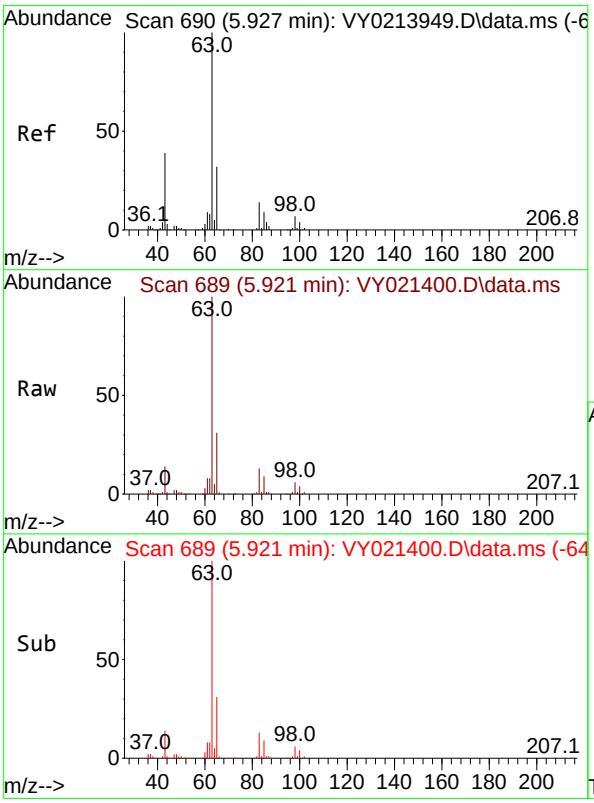
Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

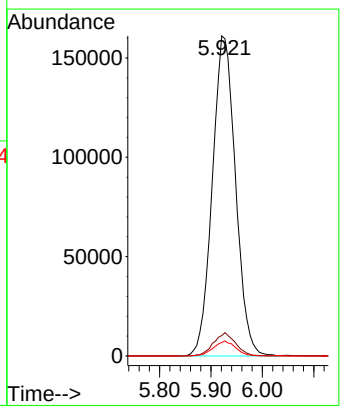


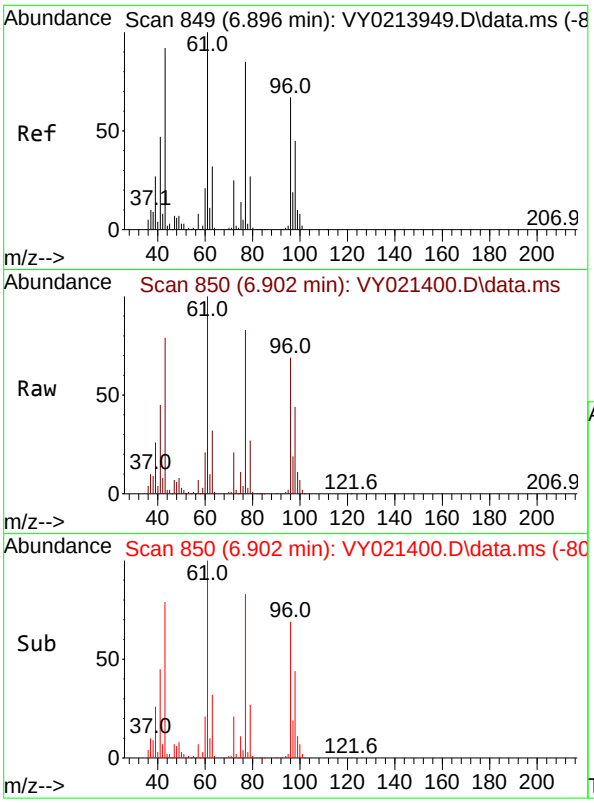


#24
1,1-Dichloroethane
Concen: 98.056 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 63 Resp: 505607

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.3	9.9
100	4.2	2.1	6.5





#25
2-Butanone
Concen: 466.248 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

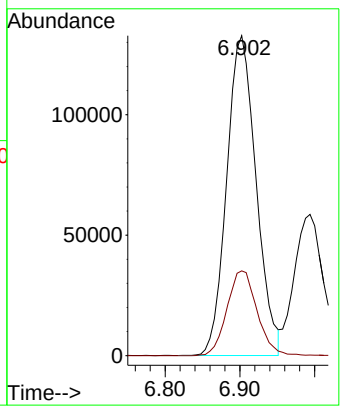
Tgt Ion: 43 Resp: 36309

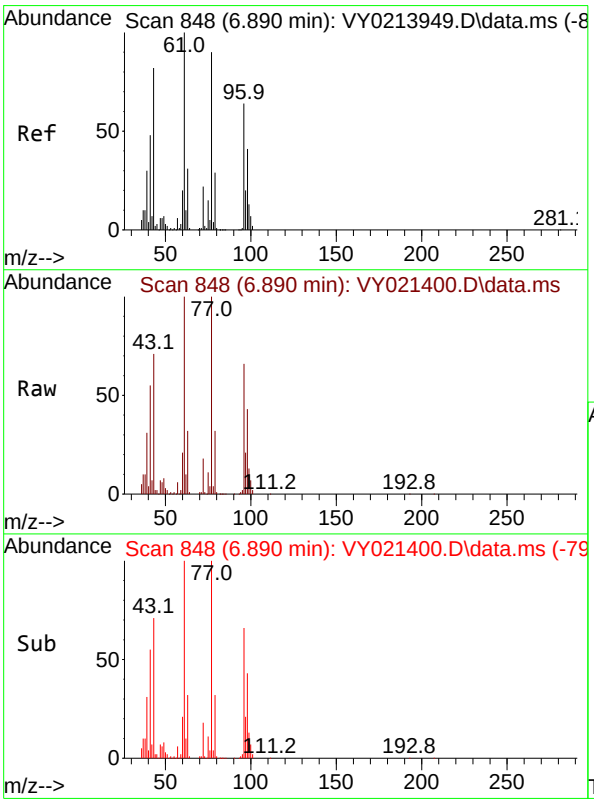
Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

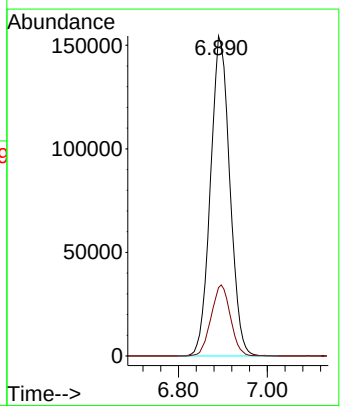


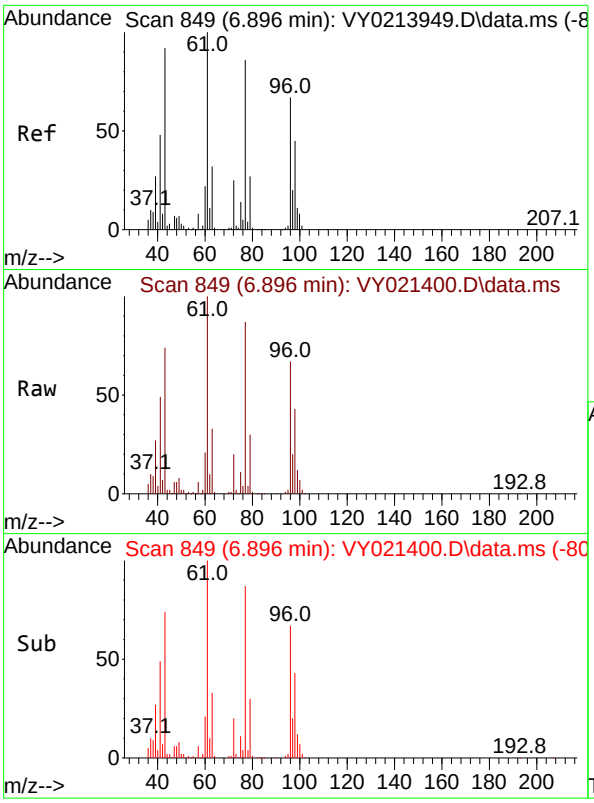


#26
2,2-Dichloropropane
Concen: 98.362 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 77 Resp: 466669

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 100.724 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

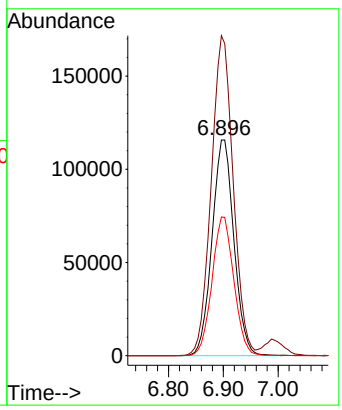
Tgt Ion: 96 Resp: 32146

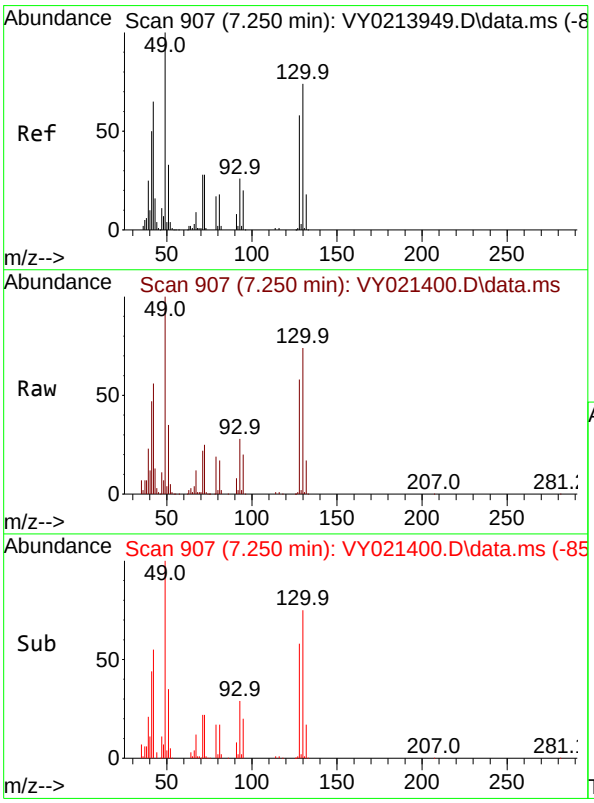
Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	300.8
98	64.2	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

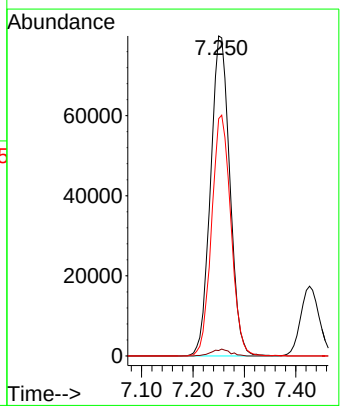


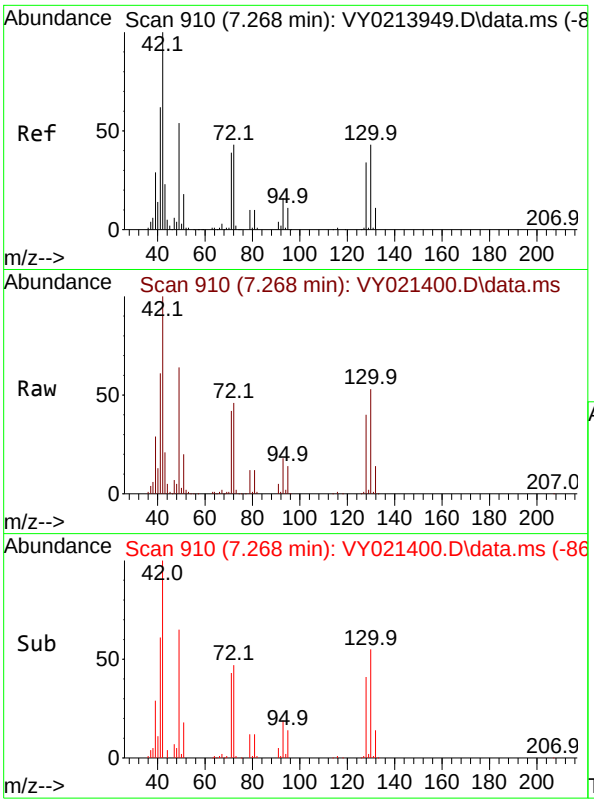


#28
Bromochloromethane
Concen: 96.281 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 49 Resp: 208133

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	75.1	59.6	89.4

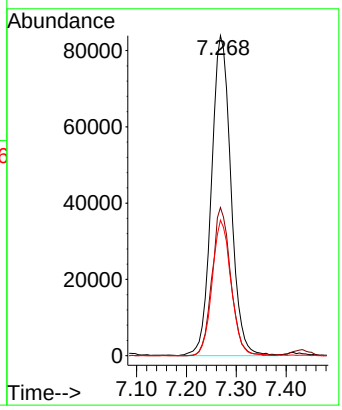




#29
Tetrahydrofuran
Concen: 474.960 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 42 Resp: 22834

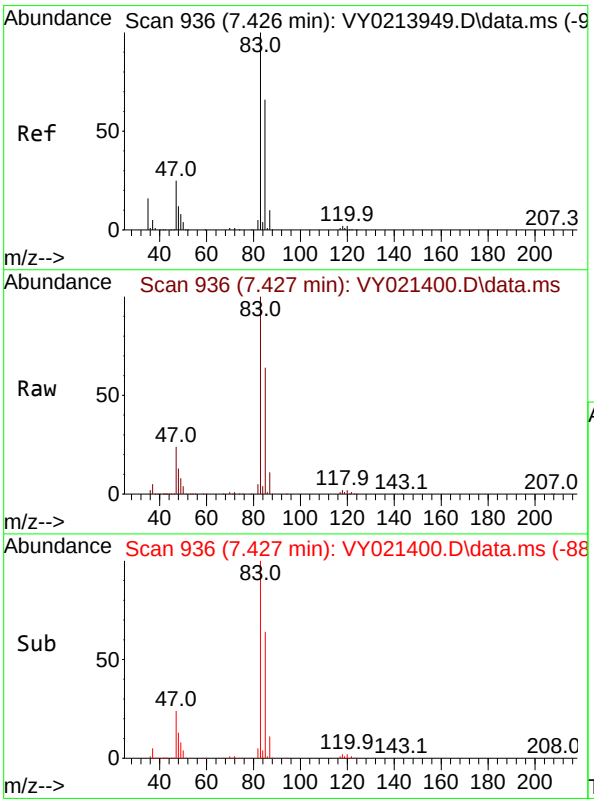
Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.8	52.2
71	41.1	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

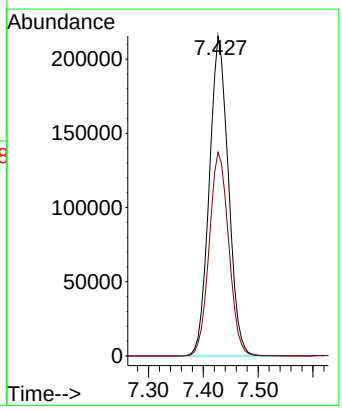
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

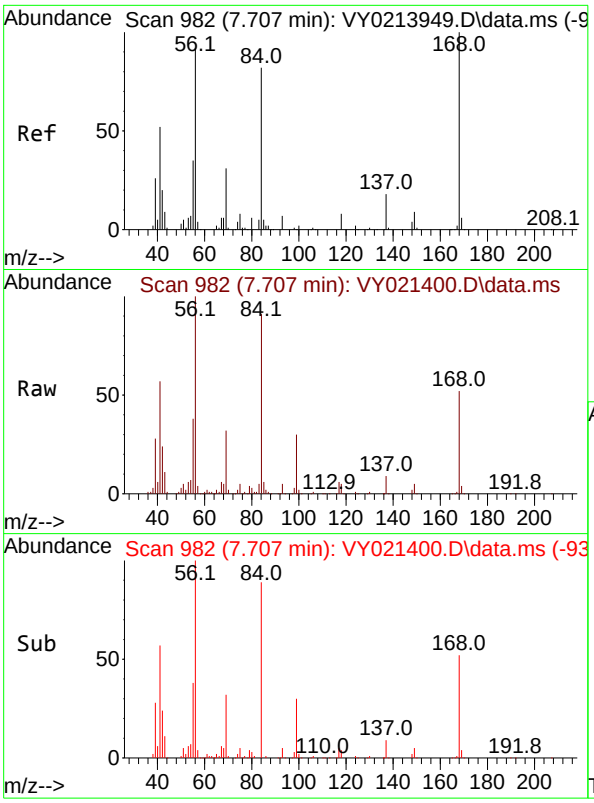


#30
Chloroform
Concen: 97.270 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 83 Resp: 520812

Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.1	79.7

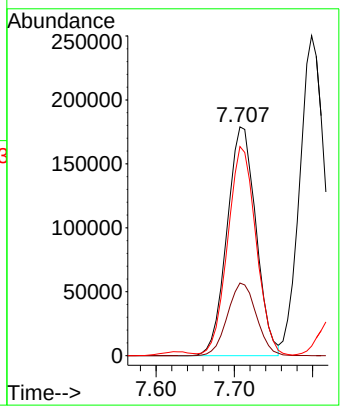




#31
Cyclohexane
Concen: 95.275 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 56 Resp: 46056

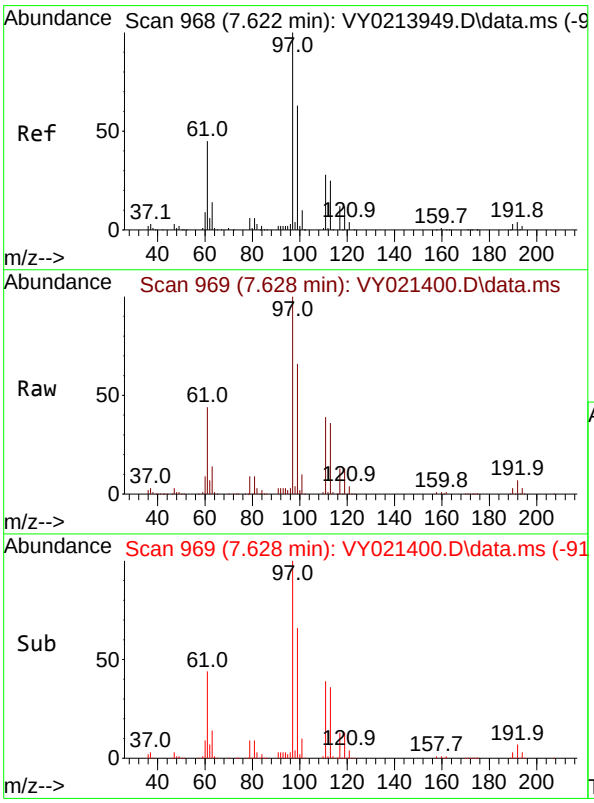
Ion	Ratio	Lower	Upper
56	100		
69	31.7	27.0	40.4
84	89.7	71.1	106.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

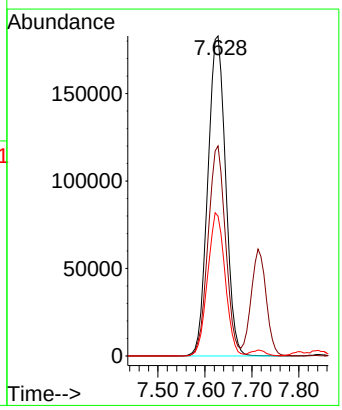
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

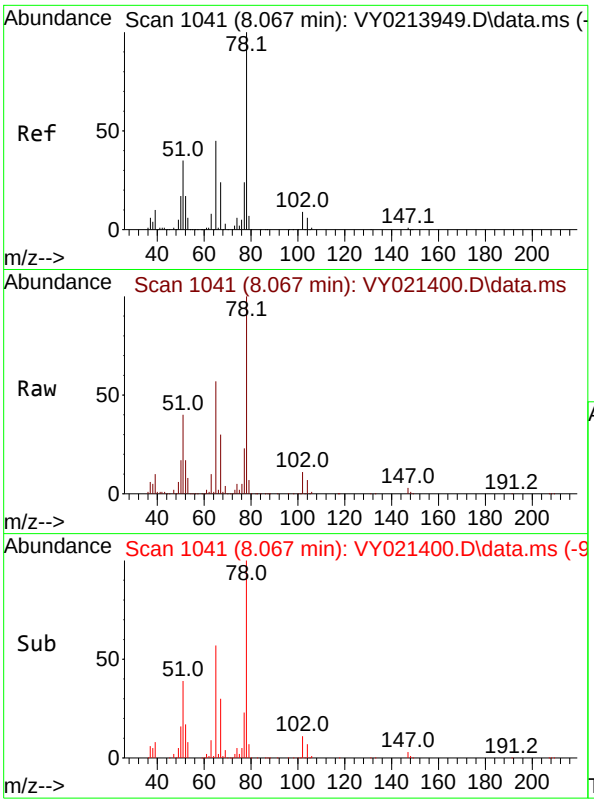


#32
1,1,1-Trichloroethane
Concen: 97.941 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 97 Resp: 480163

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	44.2	35.7	53.5





#33
1,2-Dichloroethane-d4
Concen: 96.666 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

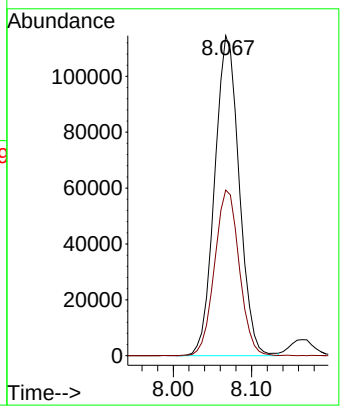
Tgt Ion: 65 Resp: 24950

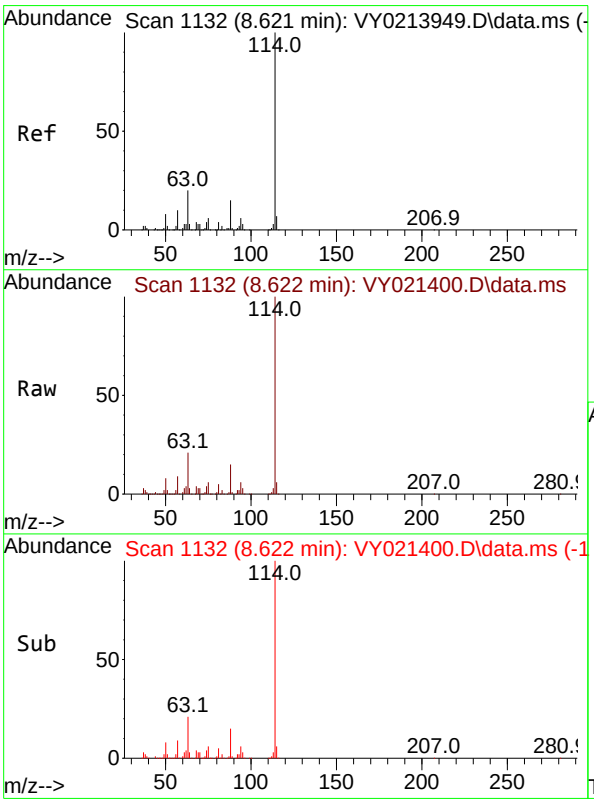
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

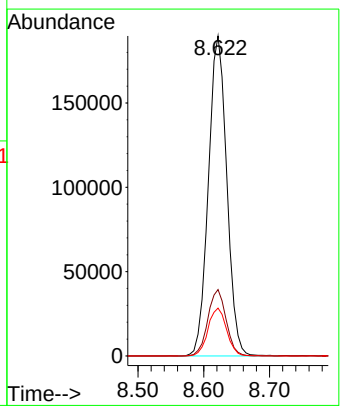


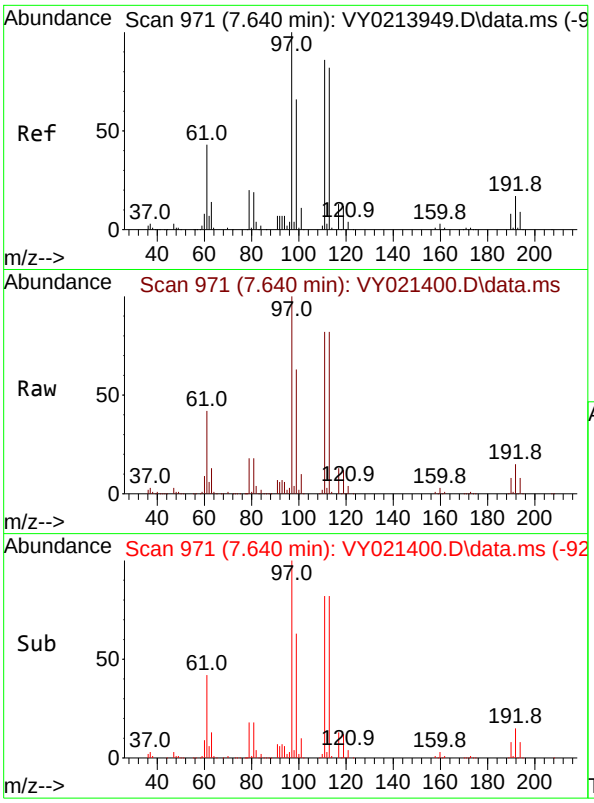


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:114 Resp: 369748

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	14.9	0.0	30.8

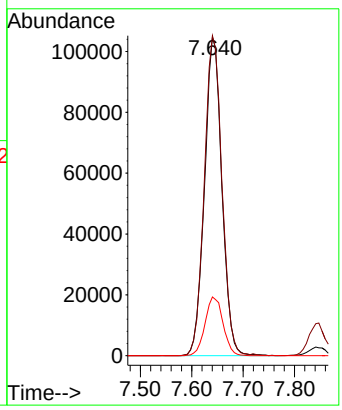




#35
Dibromofluoromethane
Concen: 100.930 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:113 Resp: 24530

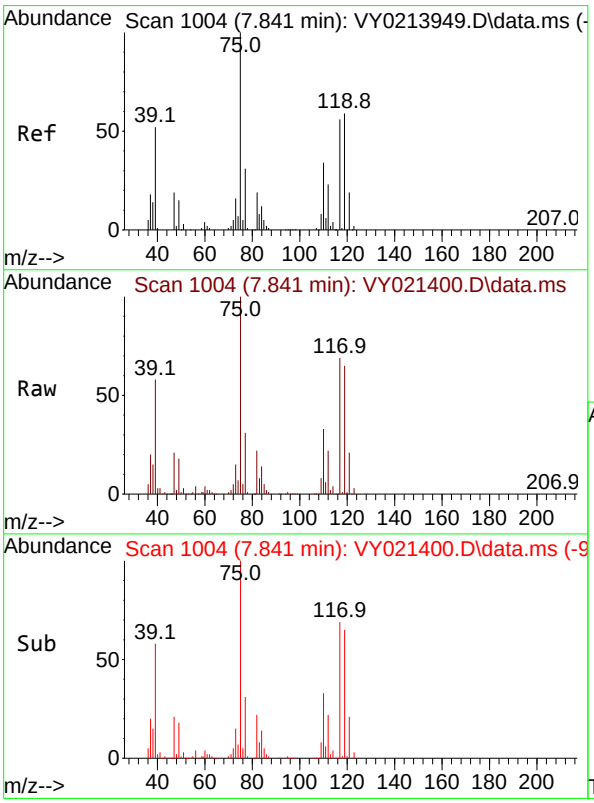
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	19.1	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

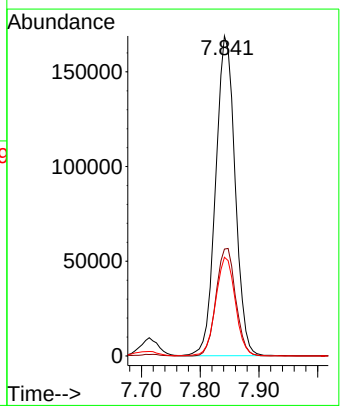
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

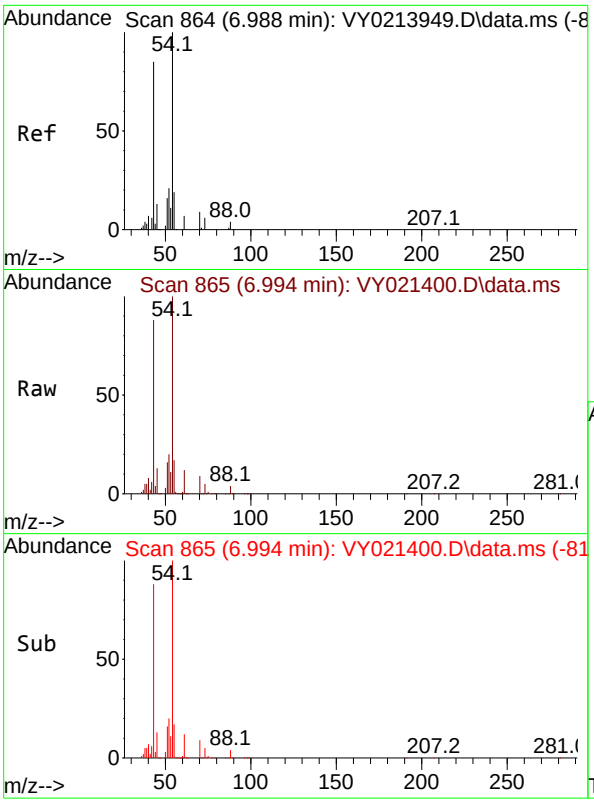


#36
1,1-Dichloropropene
Concen: 102.089 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 75 Resp: 388384

Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.3	51.7
77	31.2	25.4	38.2





#37
Ethyl Acetate
Concen: 94.621 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

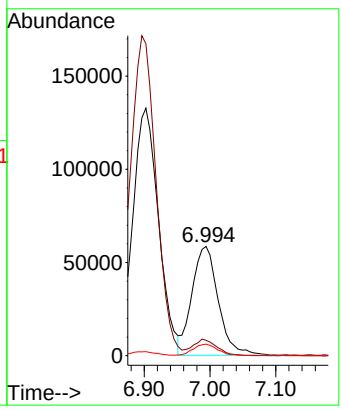
Tgt Ion: 43 Resp: 16238

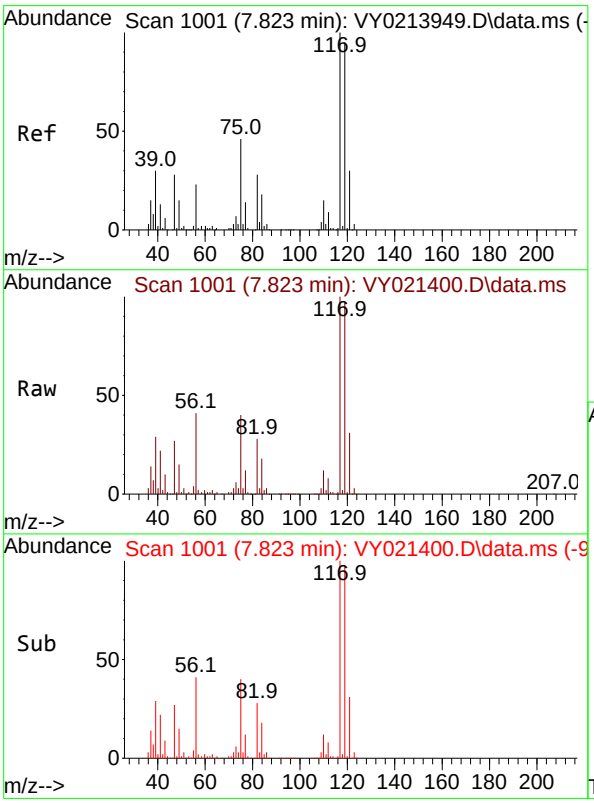
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.4	17.0
70	10.0	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

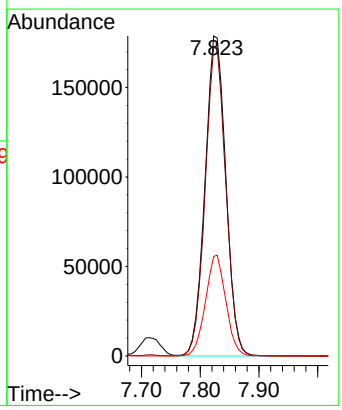


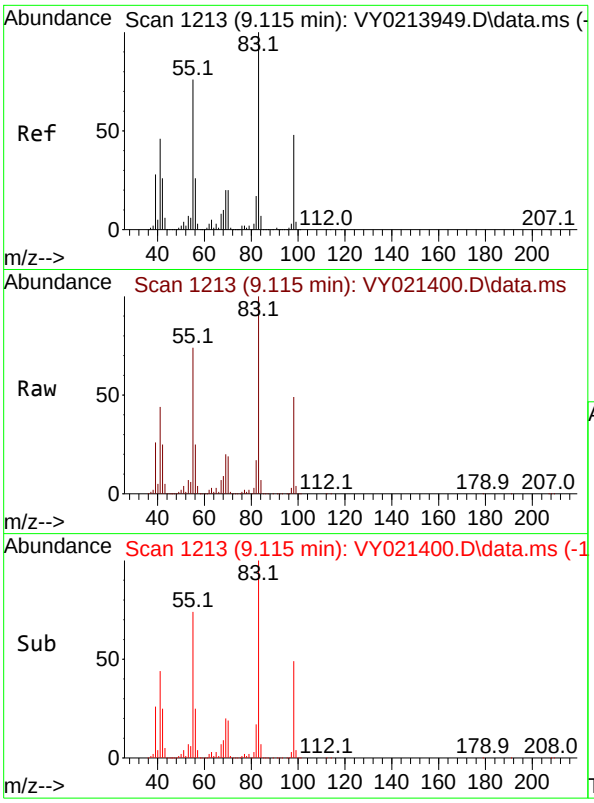


#38
Carbon Tetrachloride
Concen: 100.510 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:117 Resp: 439762

Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.8	113.8
121	31.1	23.9	35.9





#39
Methylcyclohexane
Concen: 107.827 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

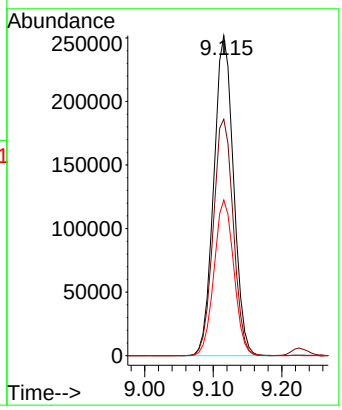
Tgt Ion: 83 Resp: 50317

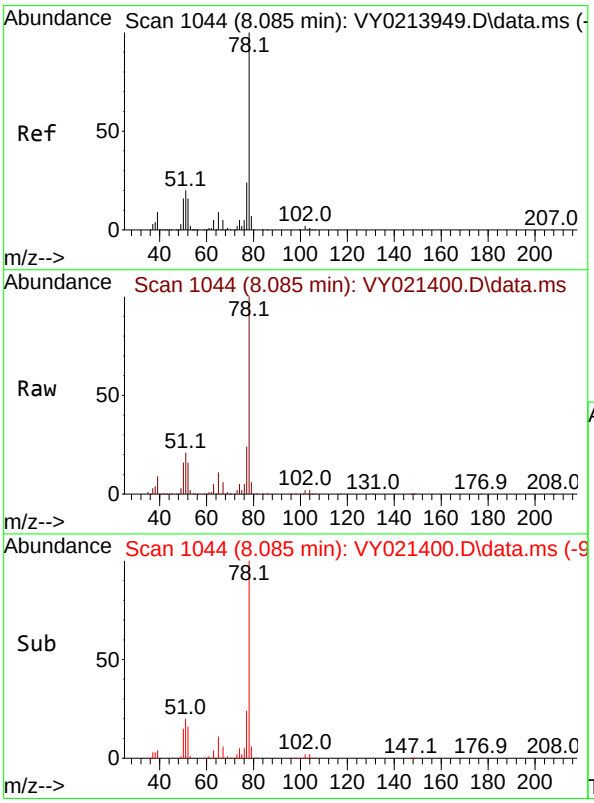
Ion	Ratio	Lower	Upper
83	100		
55	73.9	60.7	91.1
98	48.6	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

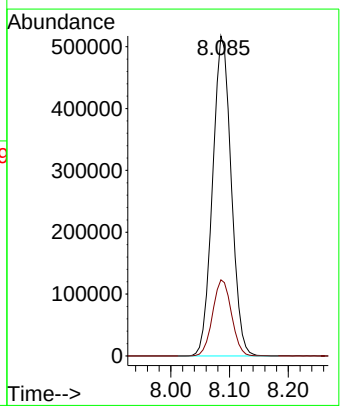


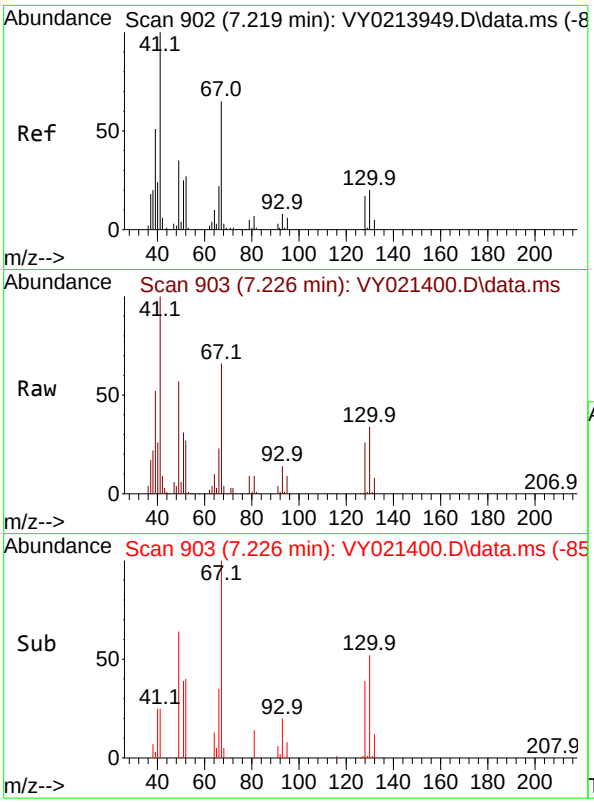


#40
Benzene
Concen: 101.621 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 78 Resp: 1138841

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4

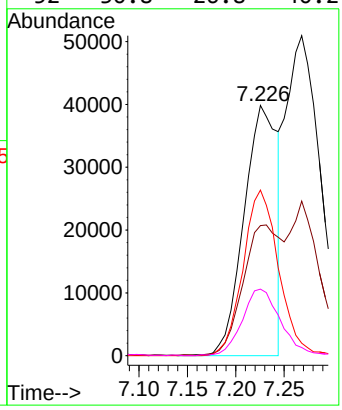




#41
Methacrylonitrile
Concen: 102.238 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 41 Resp: 9556

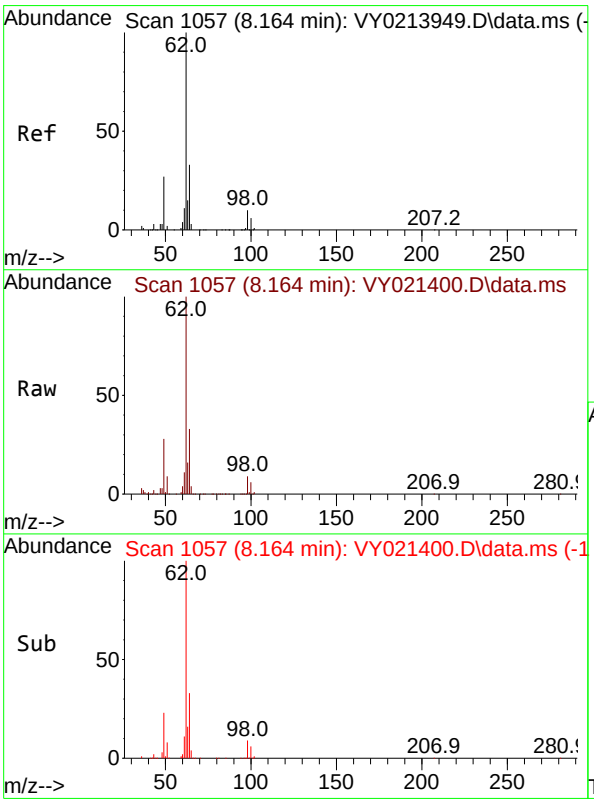
Ion	Ratio	Lower	Upper
41	100		
39	61.0	35.0	52.6
67	71.2	61.2	91.8
52	30.8	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

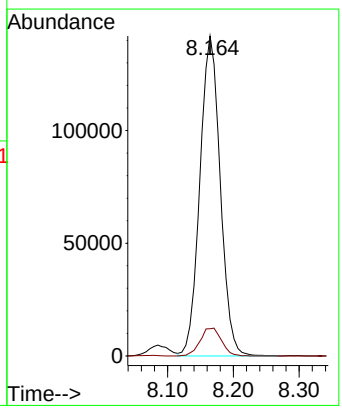
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

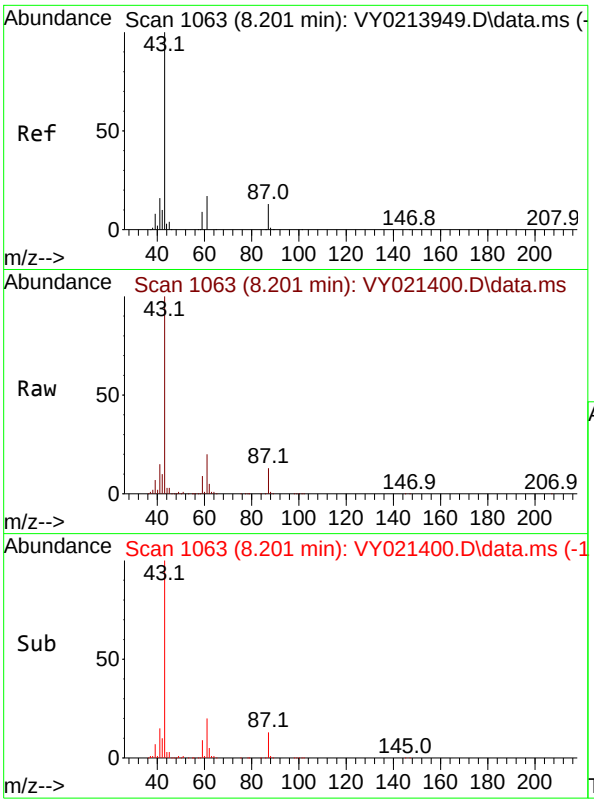


#42
1,2-Dichloroethane
Concen: 97.534 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 62 Resp: 305782

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2





#43
Isopropyl Acetate
Concen: 100.231 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

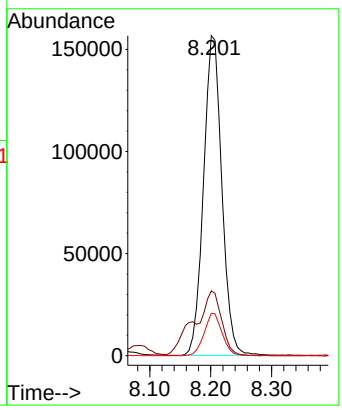
Tgt Ion: 43 Resp: 32717

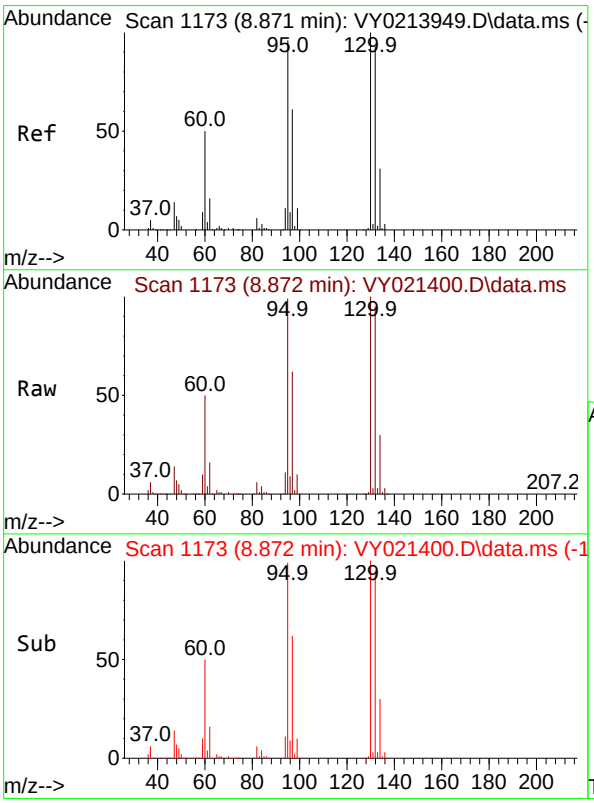
Ion	Ratio	Lower	Upper
43	100		
61	30.1	23.4	35.0
87	13.0	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

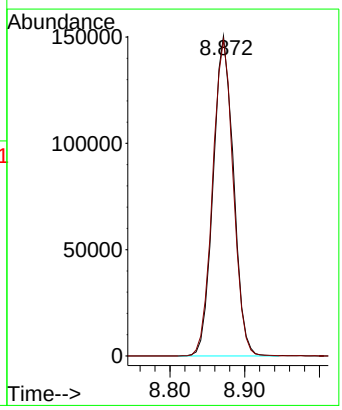


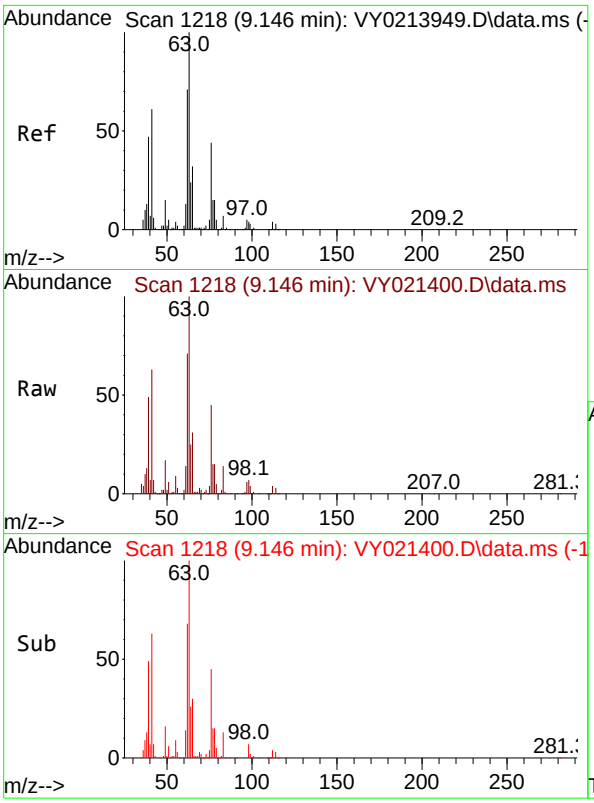


#44
Trichloroethene
Concen: 100.395 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:130 Resp: 284312

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	191.6

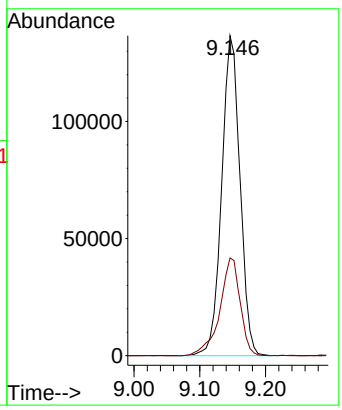




#45
1,2-Dichloropropane
Concen: 99.238 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 63 Resp: 26469

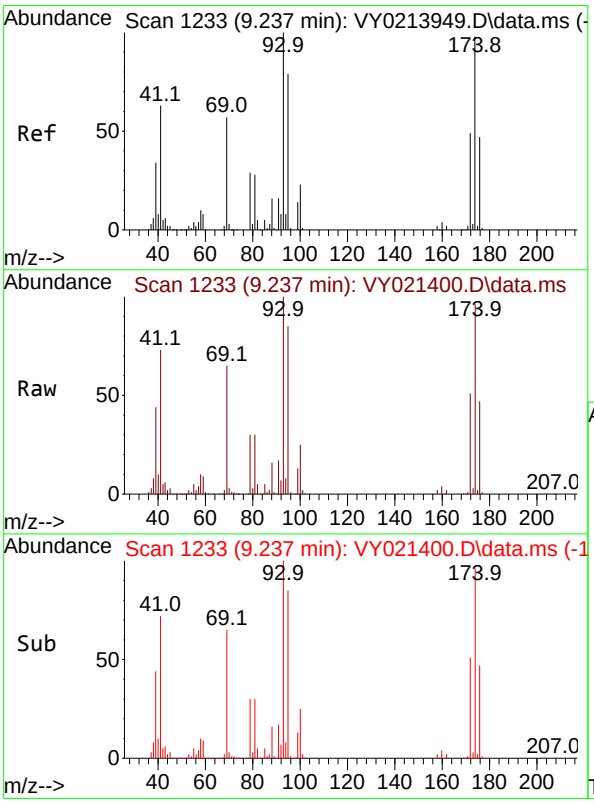
Ion	Ratio	Lower	Upper
63	100		
65	30.6	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

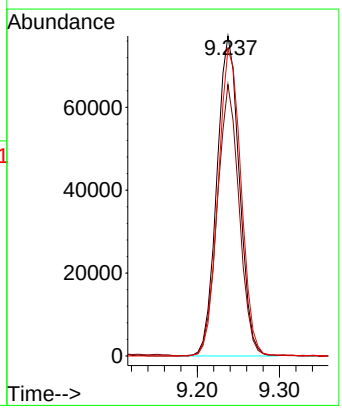
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

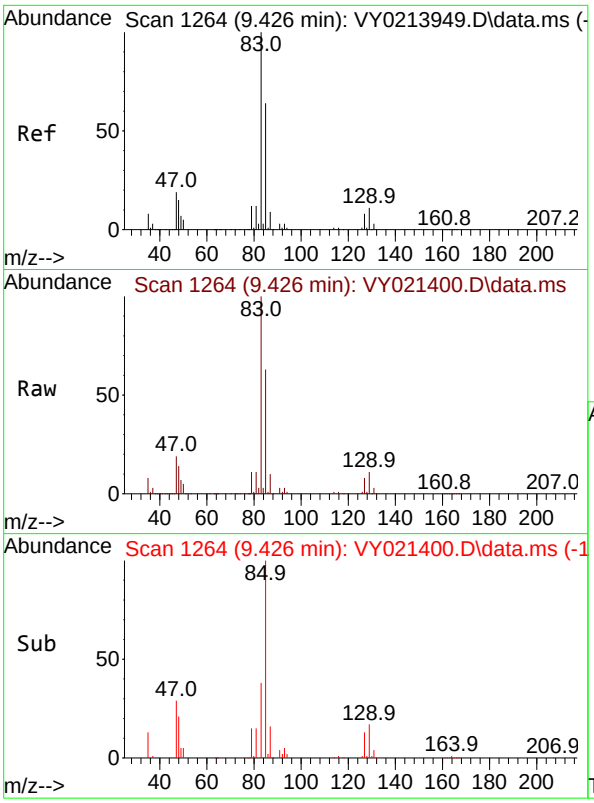


#46
Dibromomethane
Concen: 98.859 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 93 Resp: 146713

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.8	98.8
174	97.6	77.9	116.9

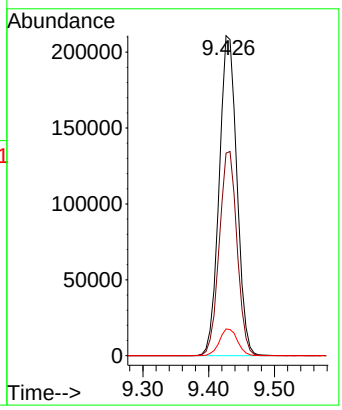




#47
Bromodichloromethane
Concen: 100.395 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 83 Resp: 39567

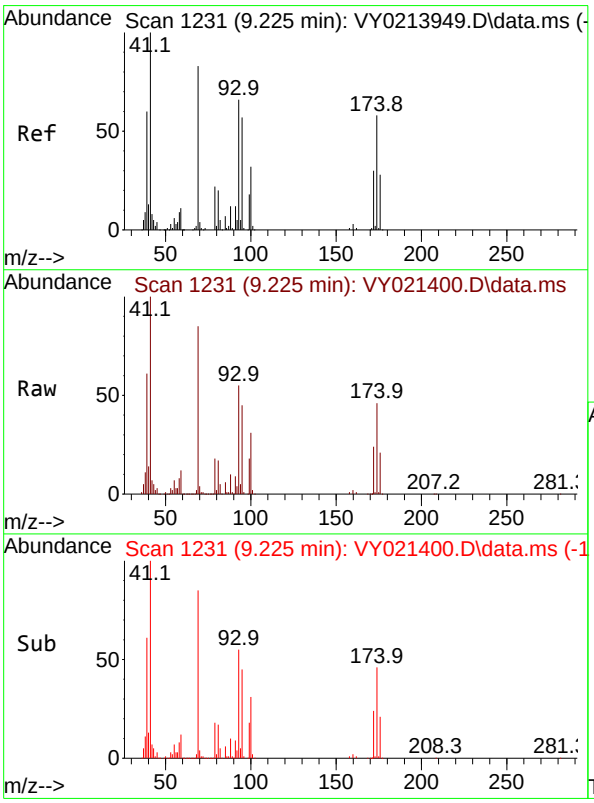
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

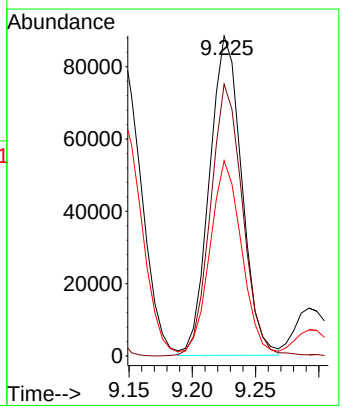
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

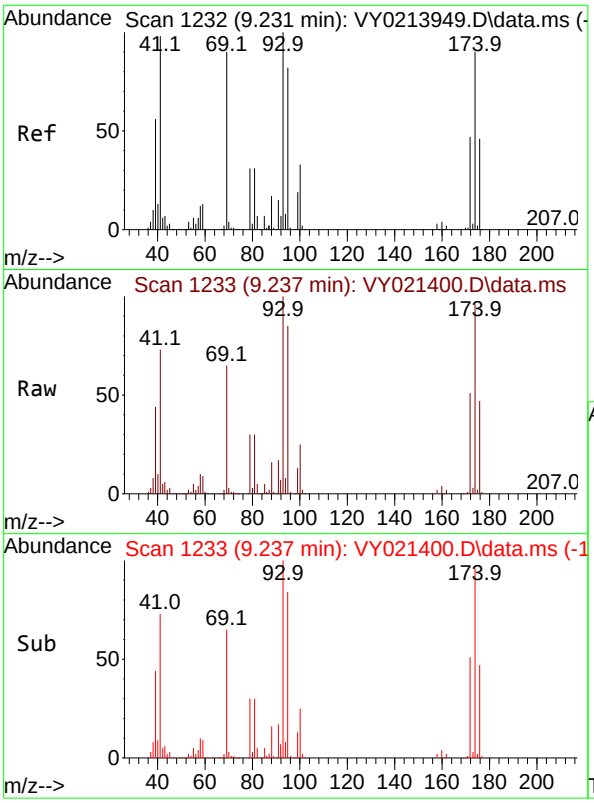


#48
Methyl methacrylate
Concen: 103.582 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 41 Resp: 156771

Ion	Ratio	Lower	Upper
41	100		
69	84.9	67.8	101.8
39	57.7	46.4	69.6





#49
1,4-Dioxane
Concen: 2052.779 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

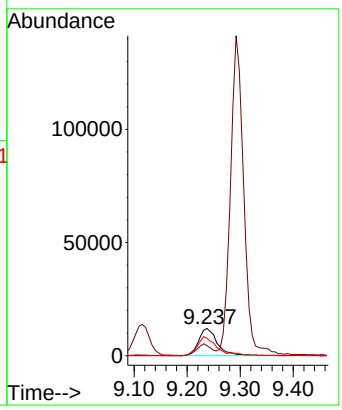
Tgt Ion: 88 Resp: 2990

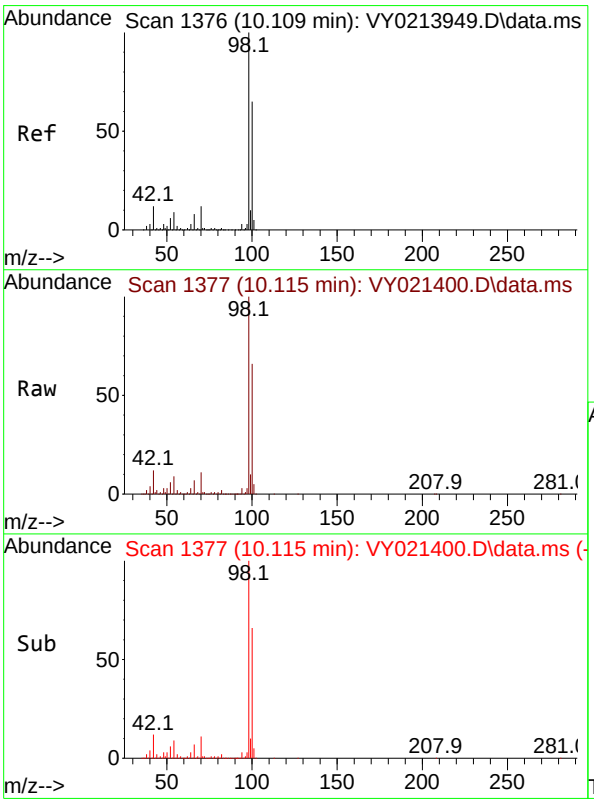
Ion	Ratio	Lower	Upper
88	100		
43	34.6	25.0	37.4
58	71.6	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

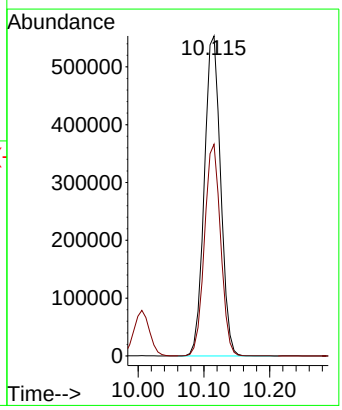


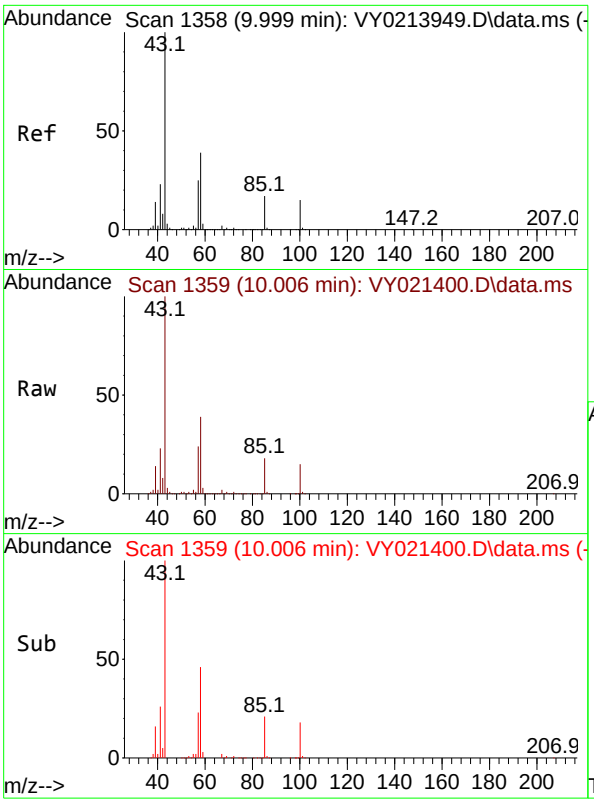


#50
Toluene-d8
Concen: 103.596 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 98 Resp: 953319

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 504.998 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

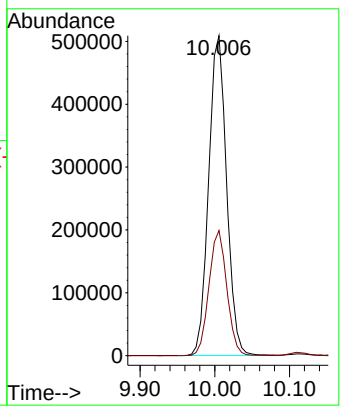
Tgt Ion: 43 Resp: 85051

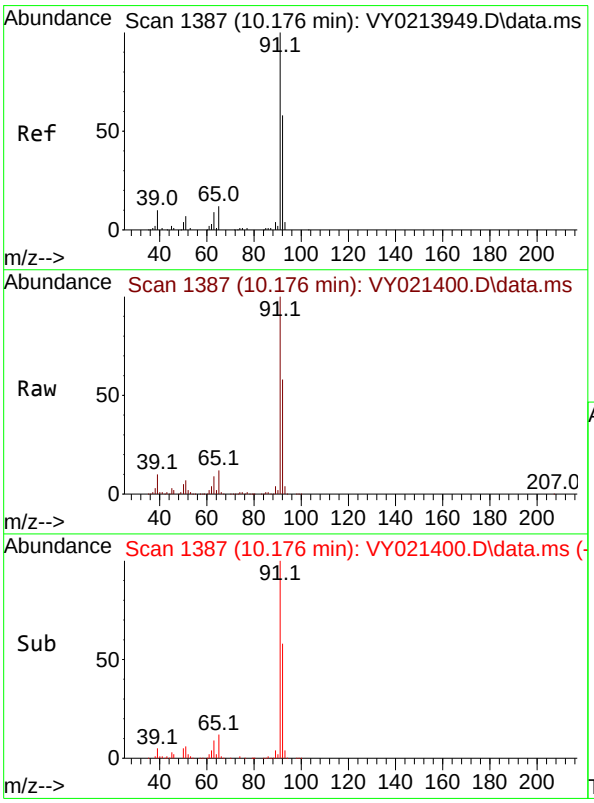
Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

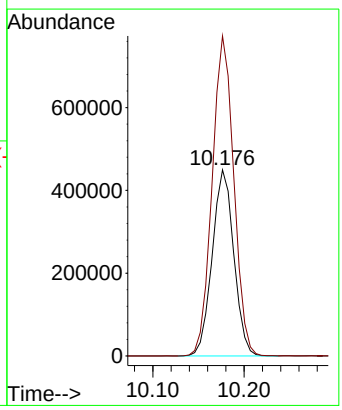


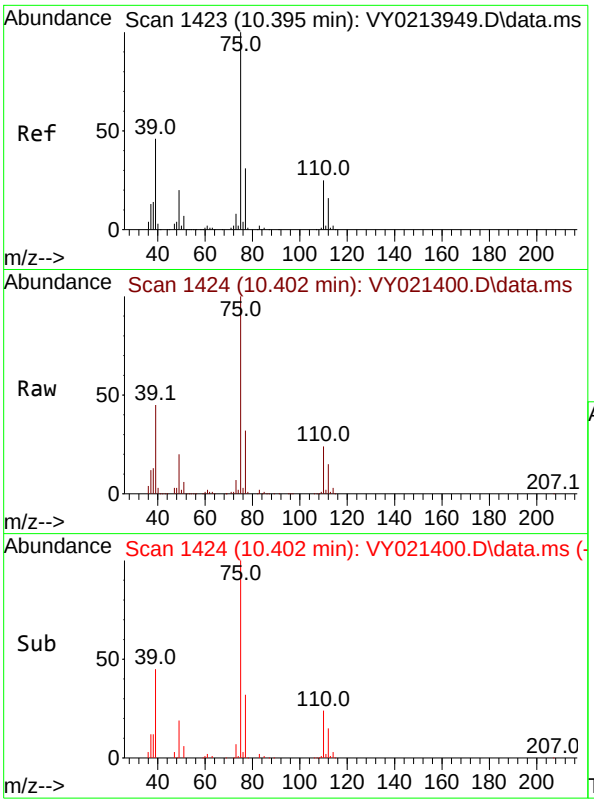


#52
Toluene
Concen: 104.377 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 92 Resp: 737467

Ion	Ratio	Lower	Upper
92	100		
91	172.8	138.2	207.2

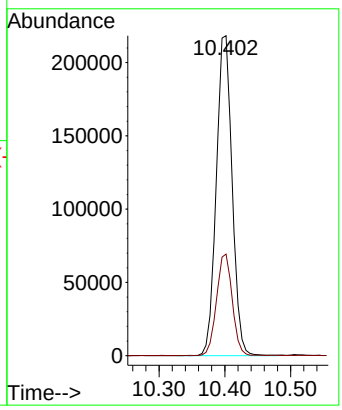




#53
t-1,3-Dichloropropene
Concen: 105.356 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 75 Resp: 36582

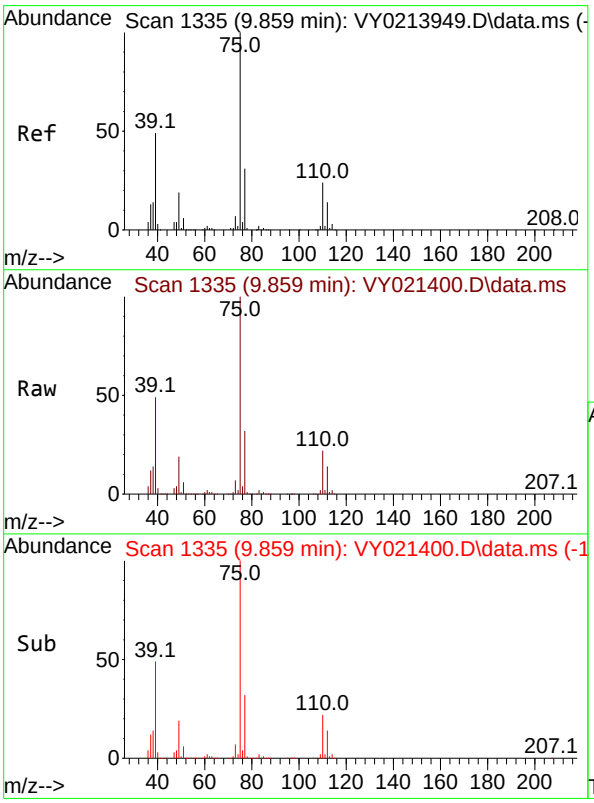
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

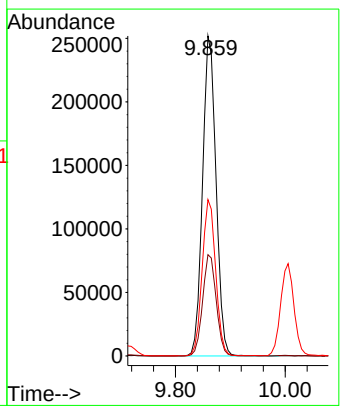
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

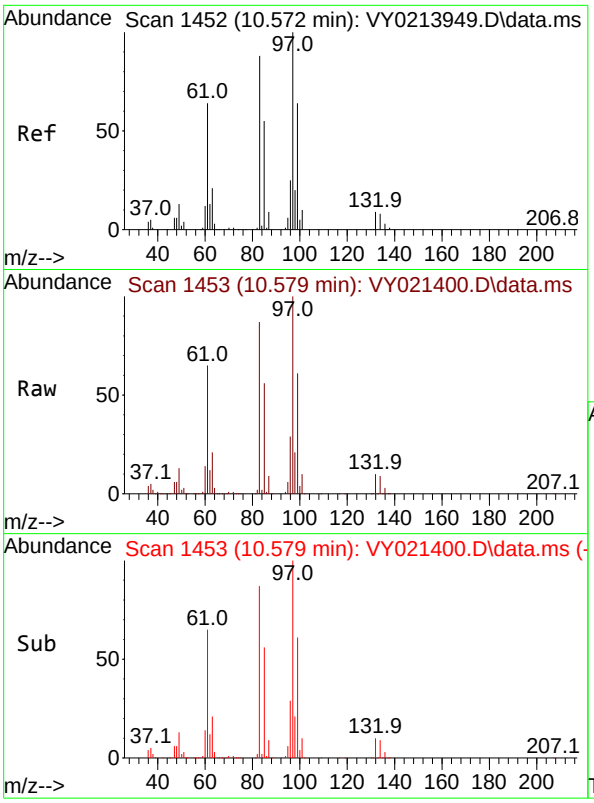


#54
cis-1,3-Dichloropropene
Concen: 103.894 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 75 Resp: 428305

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	37.0
39	48.8	39.4	59.2

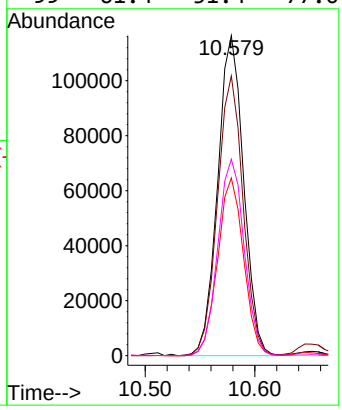




#55
1,1,2-Trichloroethane
Concen: 98.848 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 97 Resp: 19189

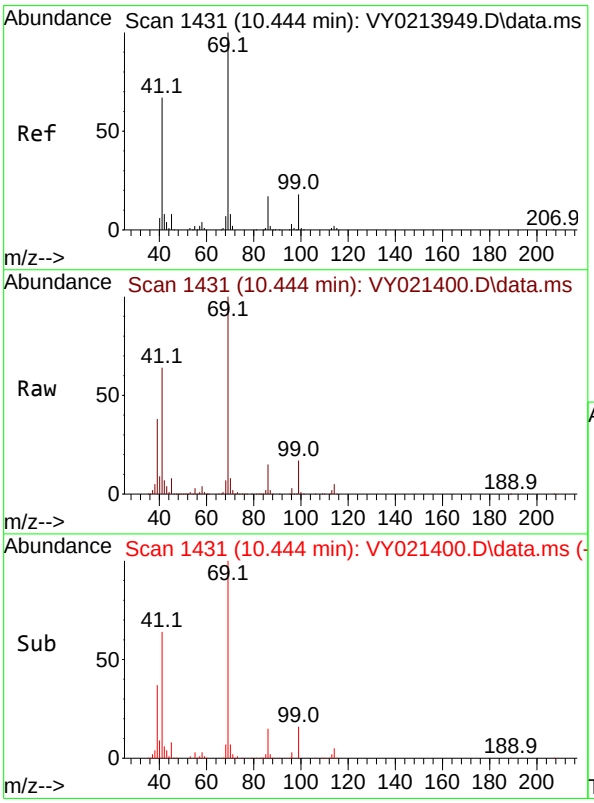
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.0	105.0
85	55.5	44.3	66.5
99	61.4	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

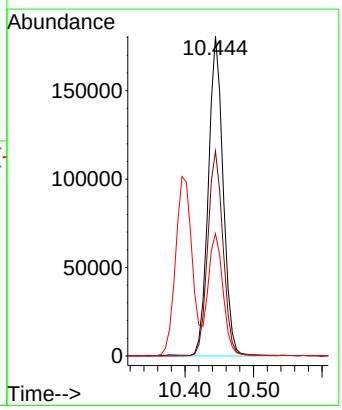
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

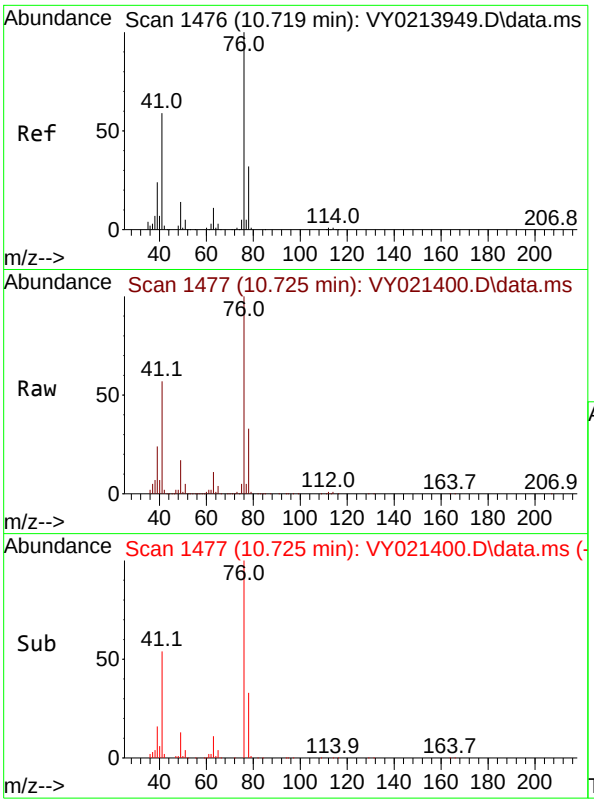


#56
Ethyl methacrylate
Concen: 109.699 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 69 Resp: 271599

Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.3	79.9
39	36.8	31.0	46.6





#57
1,3-Dichloropropane
Concen: 99.311 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

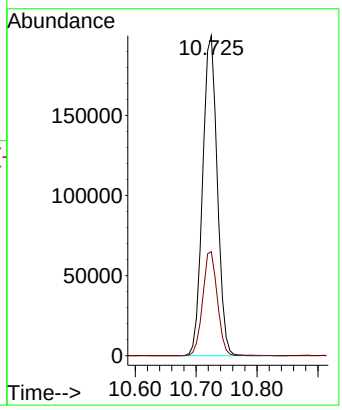
Tgt Ion: 76 Resp: 33414

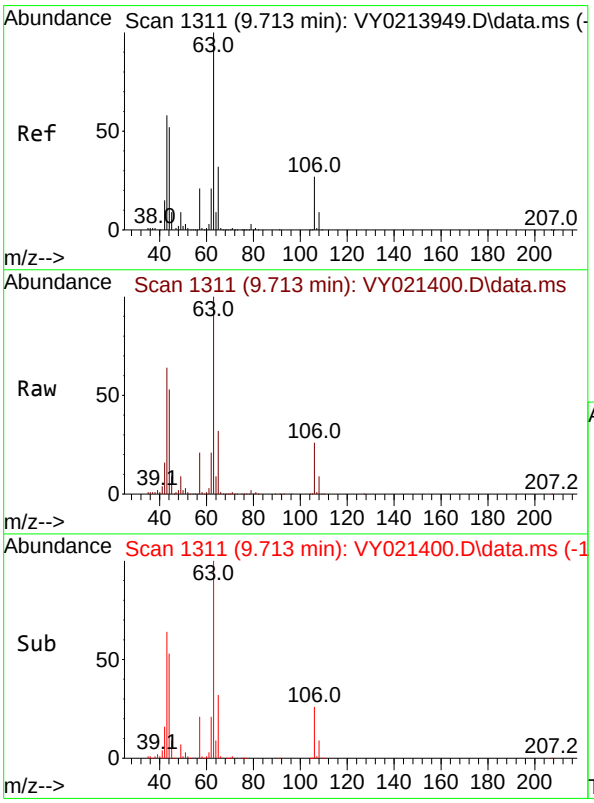
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

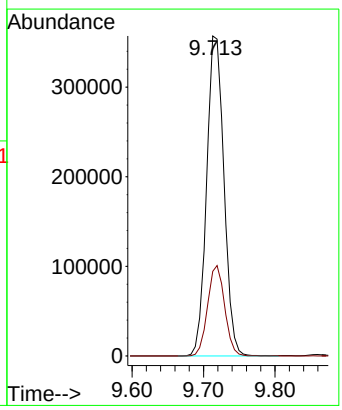


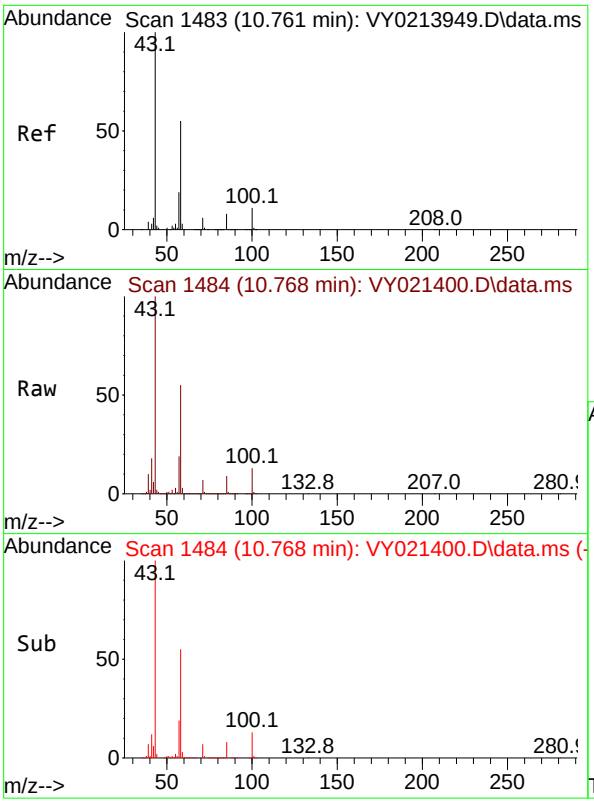


#58
2-Chloroethyl Vinyl ether
Concen: 525.670 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 63 Resp: 600796

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.1	33.1





#59
2-Hexanone
Concen: 516.516 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

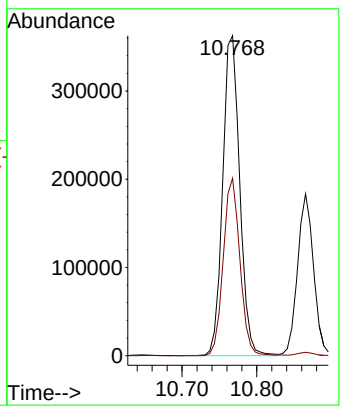
Tgt Ion: 43 Resp: 57521

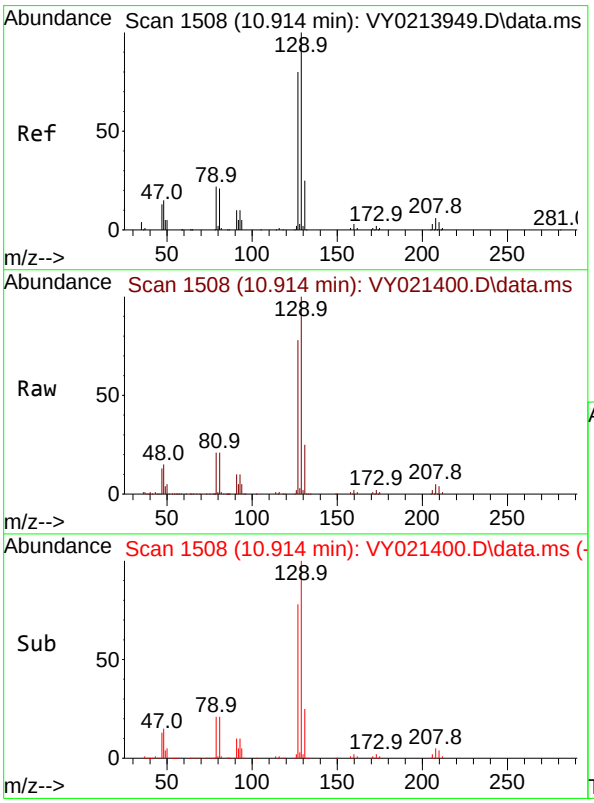
Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

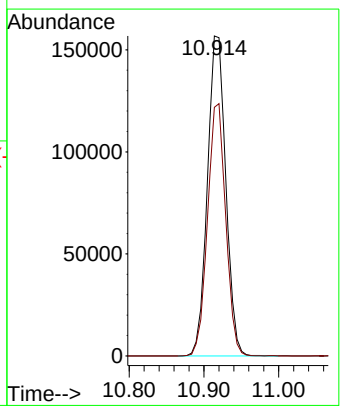


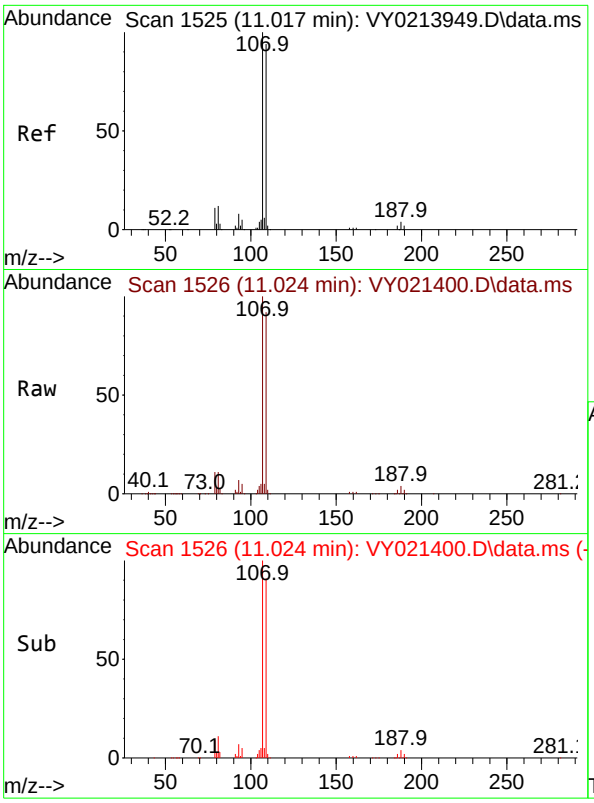


#60
Dibromochloromethane
Concen: 100.834 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:129 Resp: 268359

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.3





#61
1,2-Dibromoethane
Concen: 99.993 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

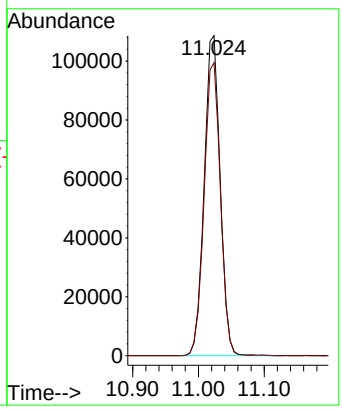
Tgt Ion:107 Resp: 18320

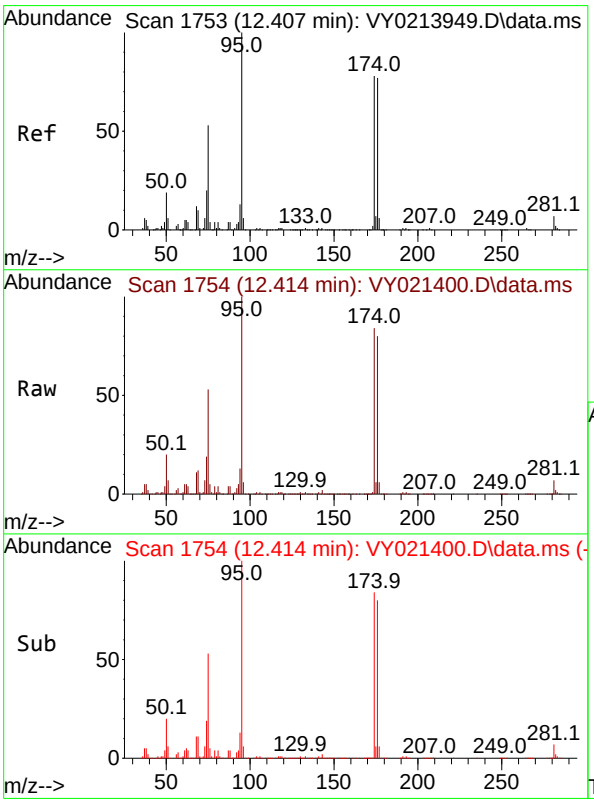
Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

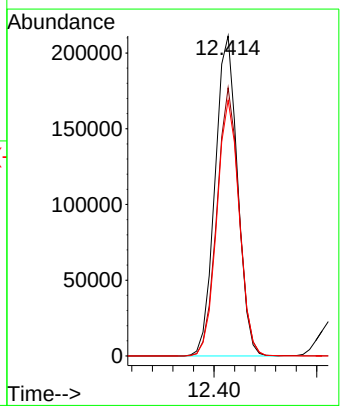


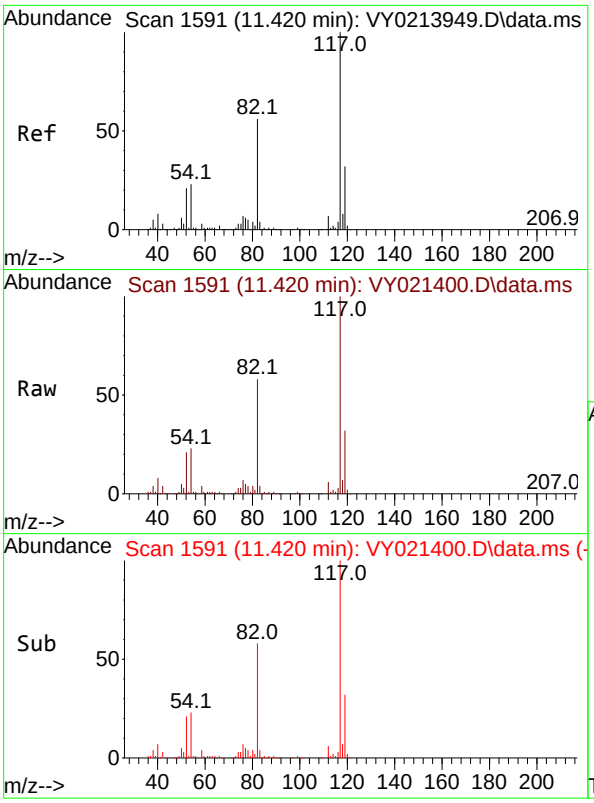


#62
4-Bromofluorobenzene
Concen: 102.231 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 95 Resp: 320008

Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	165.0
176	79.5	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

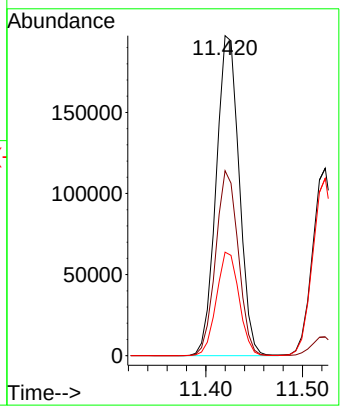
Tgt Ion:117 Resp: 32590

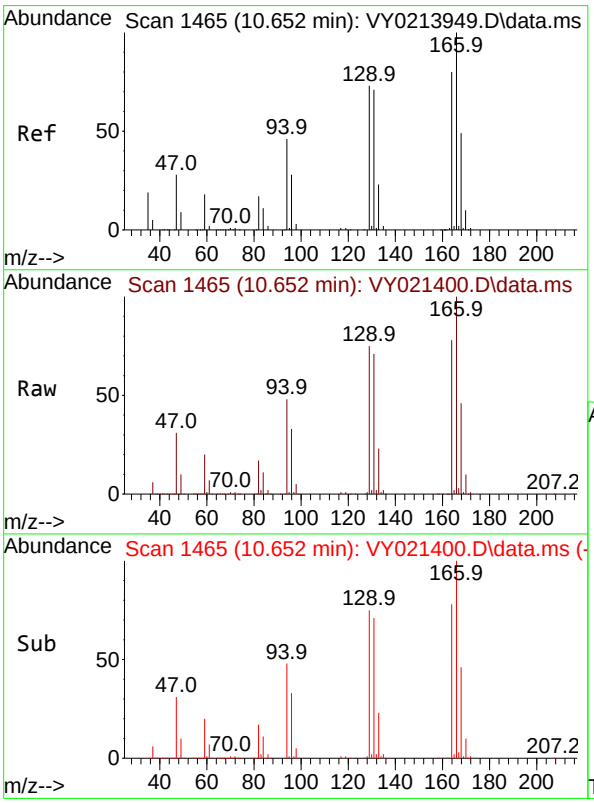
Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.6	67.0
119	32.4	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

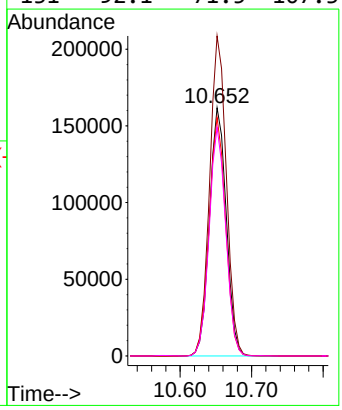


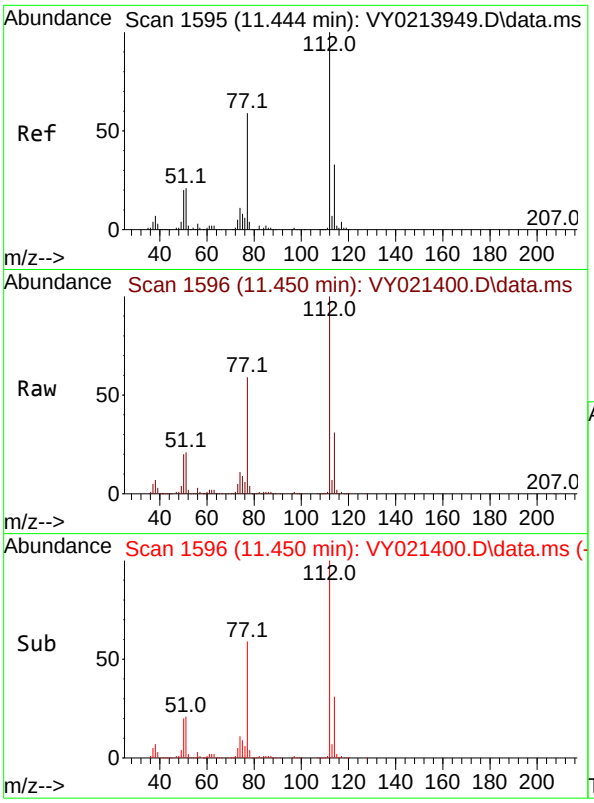


#64
Tetrachloroethene
Concen: 100.033 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:164 Resp: 265100

Ion	Ratio	Lower	Upper
164	100		
166	128.9	100.4	150.6
129	96.0	73.8	110.8
131	92.1	71.5	107.3





#65
Chlorobenzene
Concen: 100.956 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

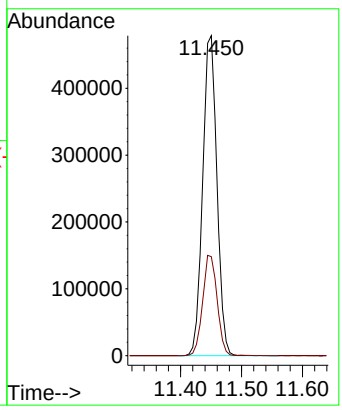
Tgt Ion:112 Resp: 77696

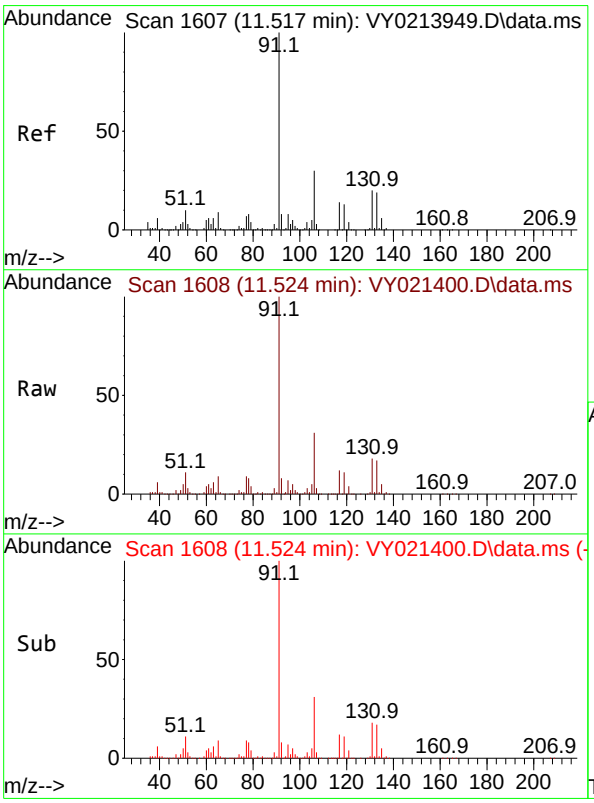
Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

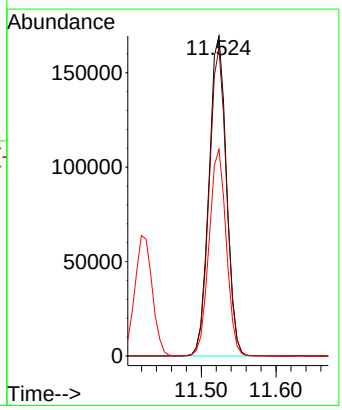


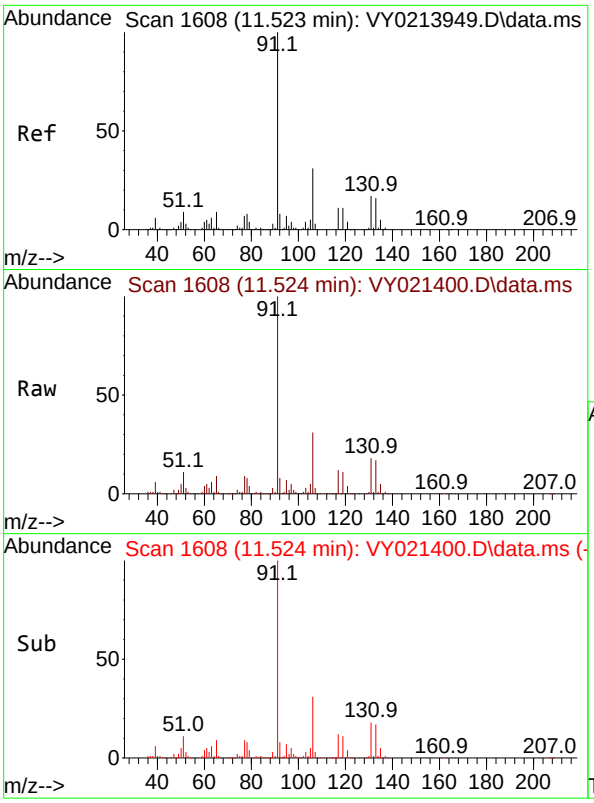


#66
1,1,1,2-Tetrachloroethane
Concen: 101.302 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:131 Resp: 275635

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.6	142.9
119	63.7	32.3	96.9





#67
Ethyl Benzene
Concen: 106.585 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

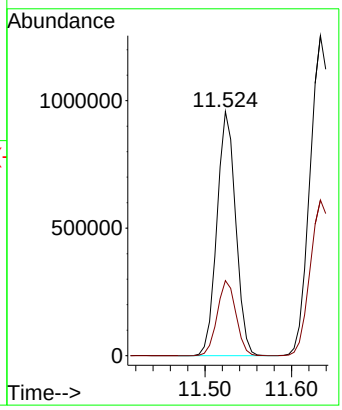
Tgt Ion: 91 Resp: 143976

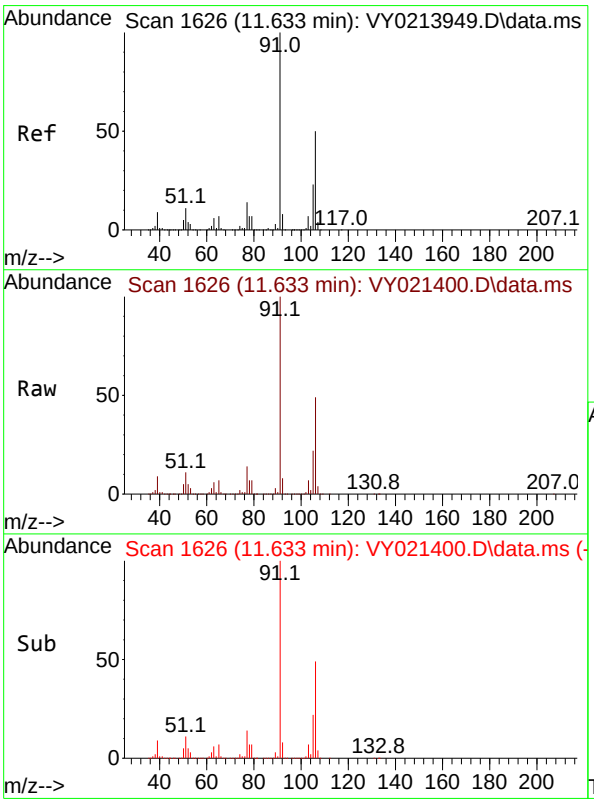
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

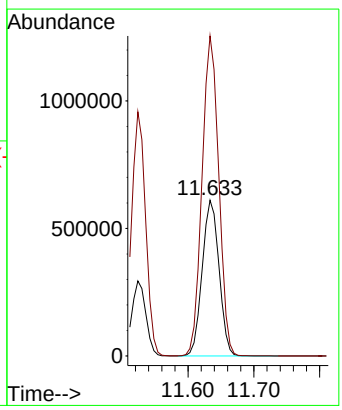


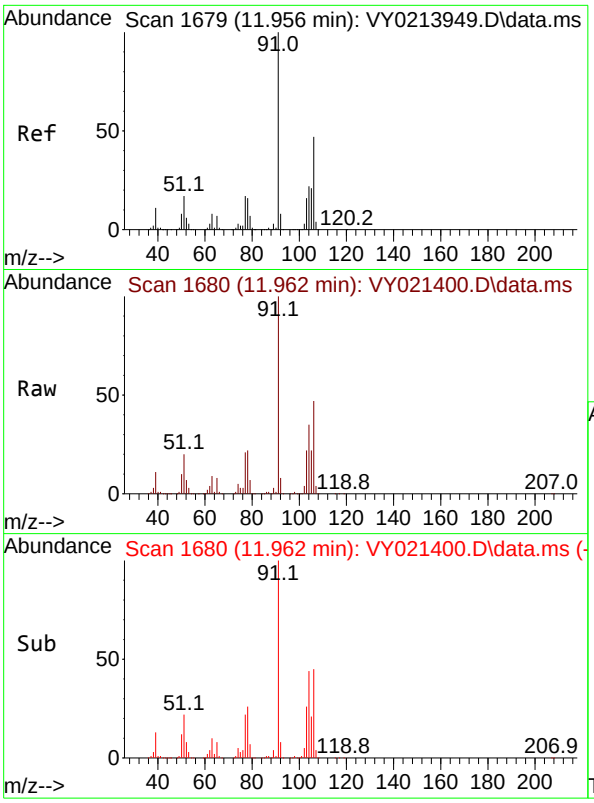


#68
m/p-Xylenes
Concen: 211.694 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:106 Resp: 1085642

Ion	Ratio	Lower	Upper
106	100		
91	204.3	161.7	242.5





#69
o-Xylene
Concen: 107.399 ug/l
RT: 11.962 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

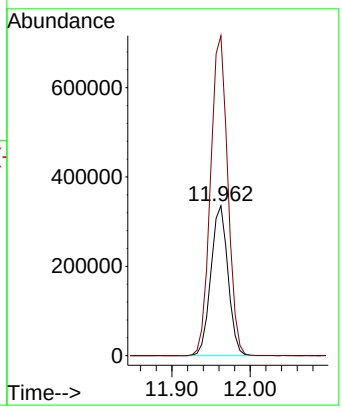
Tgt Ion:106 Resp: 507619

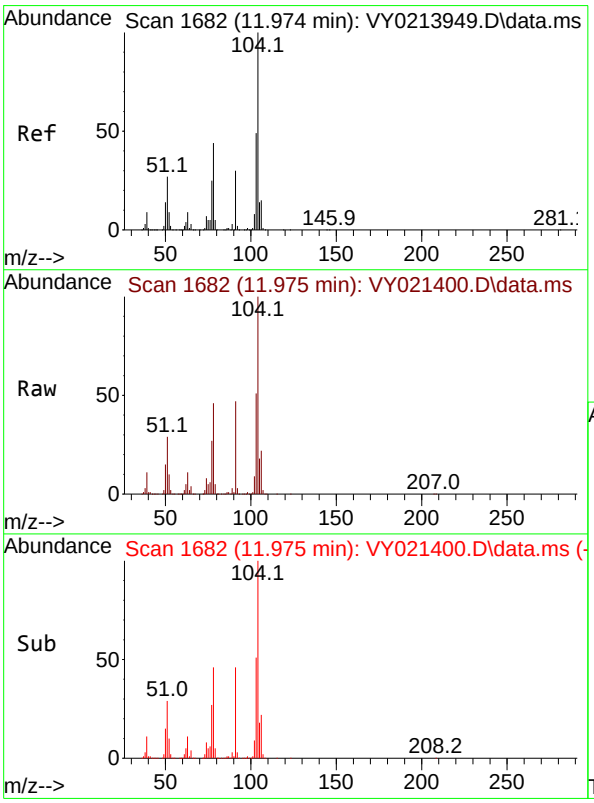
Ion	Ratio	Lower	Upper
106	100		
91	215.7	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

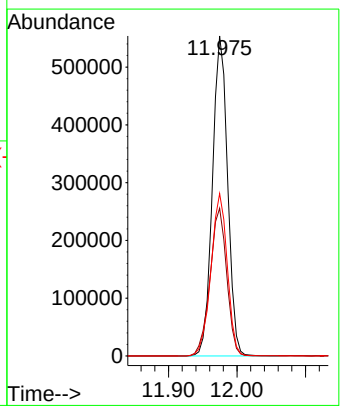


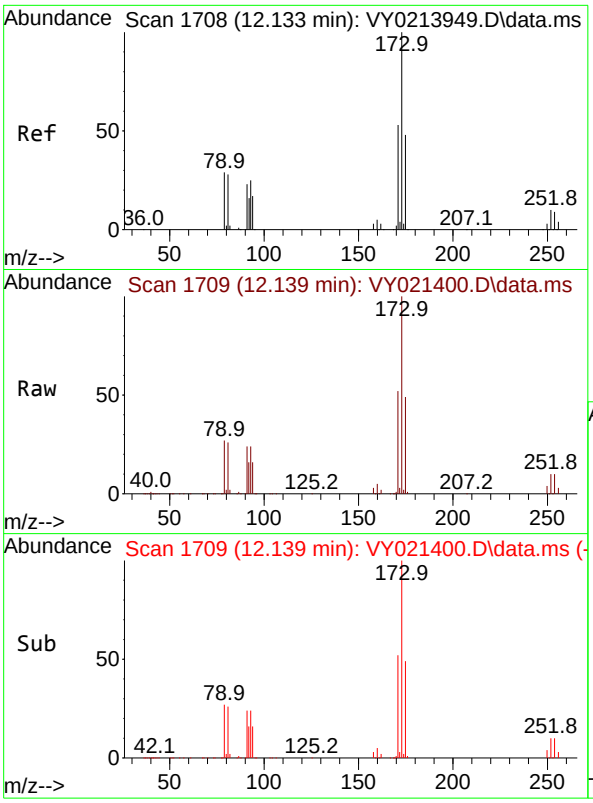


#70
Styrene
Concen: 108.590 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:104 Resp: 851456

Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.7	61.1
103	54.6	44.1	66.1

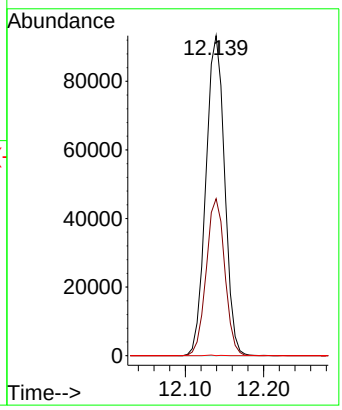




#71
Bromoform
Concen: 101.579 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:173 Resp: 15450

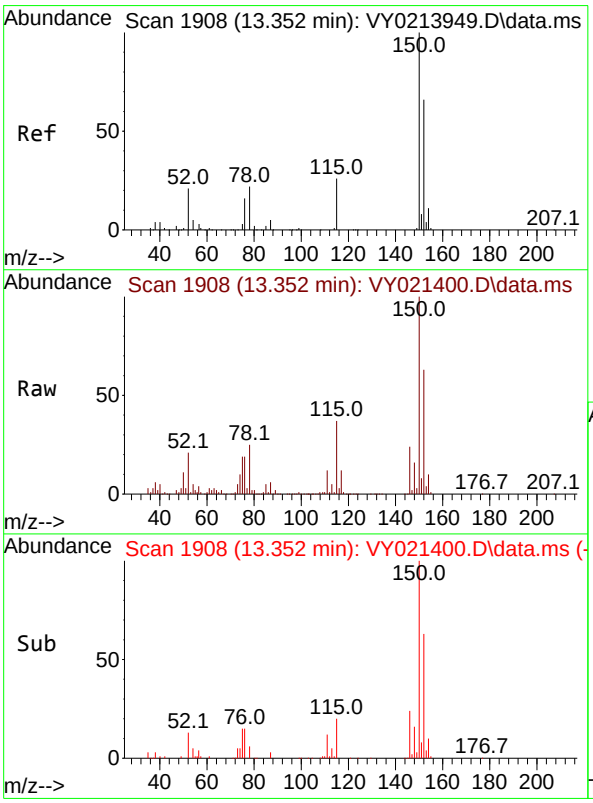
Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.9	71.7
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

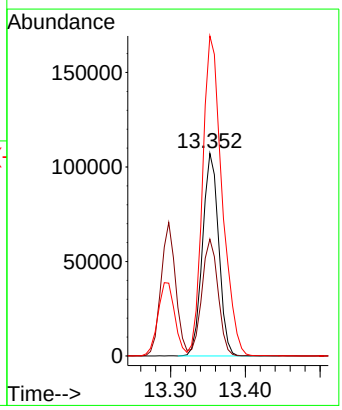
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

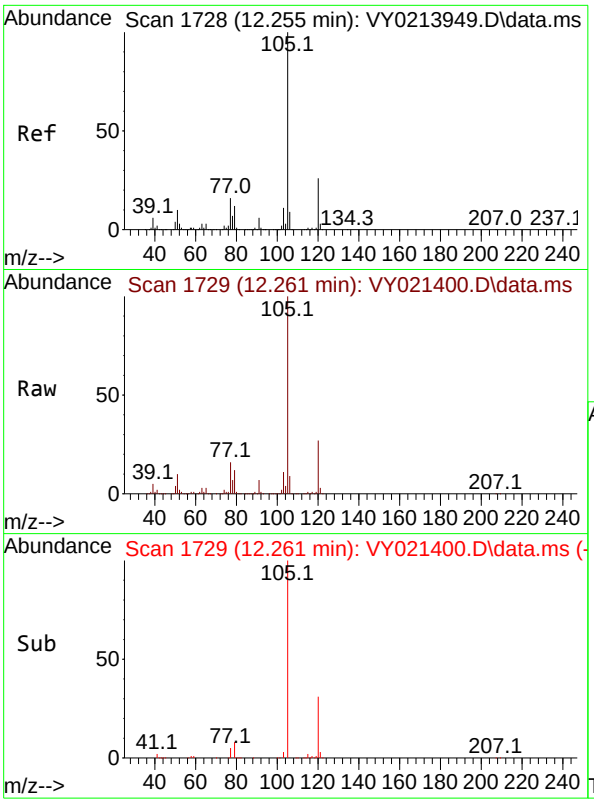


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:152 Resp: 161237

Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.0	87.0
150	190.1	0.0	347.2





#73
Isopropylbenzene
Concen: 107.432 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

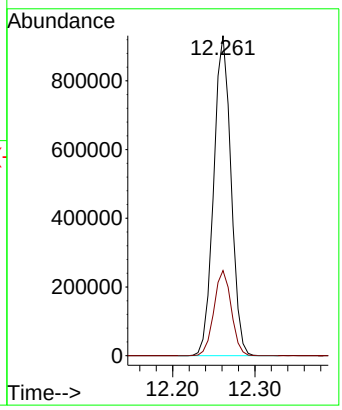
Tgt Ion:105 Resp: 136449

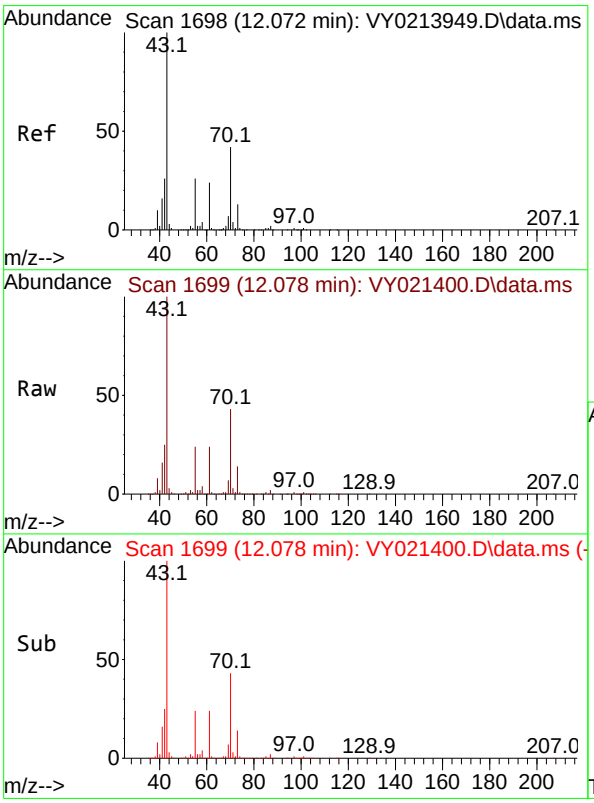
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

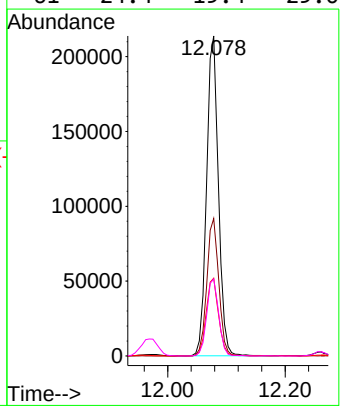


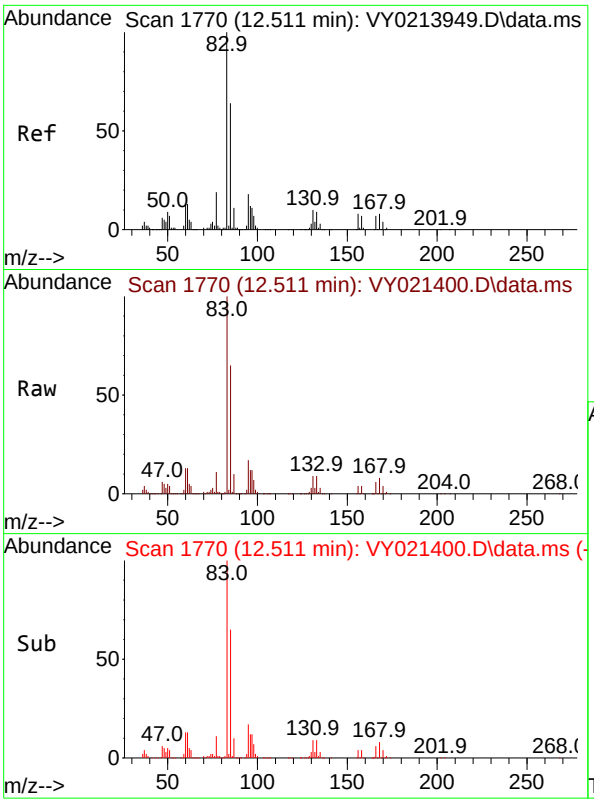


#74
N-amyl acetate
Concen: 108.151 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 43 Resp: 298318

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.6	51.8
55	25.5	21.1	31.7
61	24.4	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 96.028 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

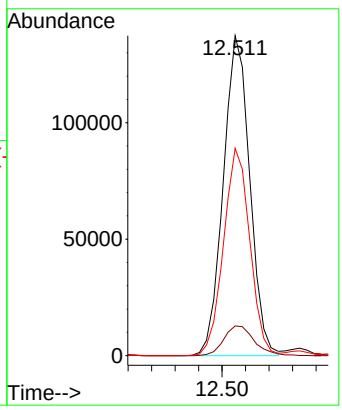
Tgt Ion: 83 Resp: 21522

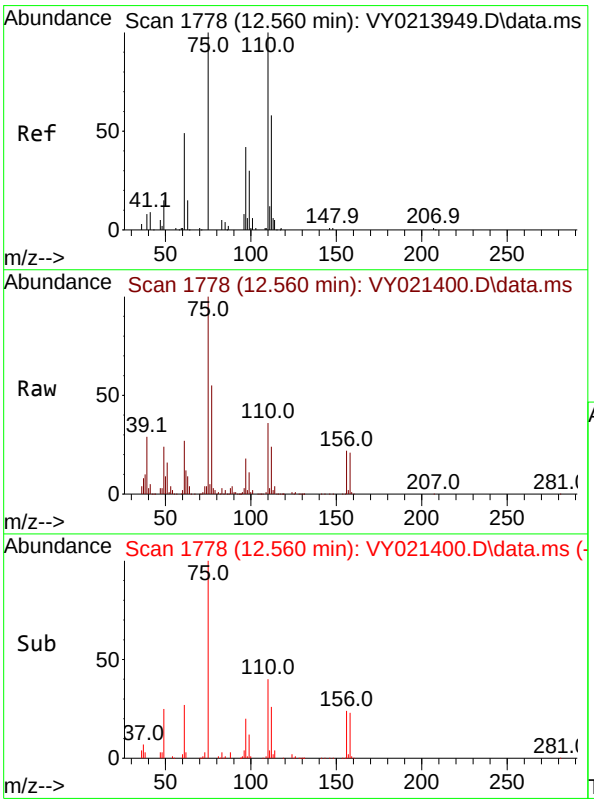
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	64.2	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

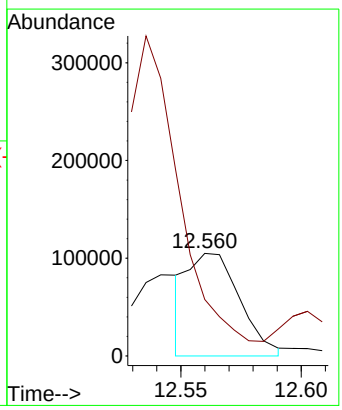


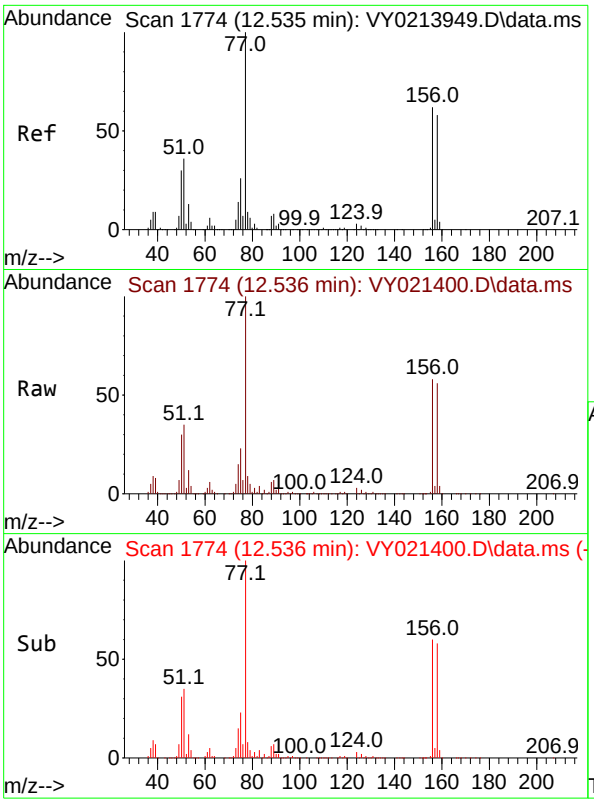


#76
1,2,3-Trichloropropane
Concen: 96.949 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 75 Resp: 157519

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 101.611 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

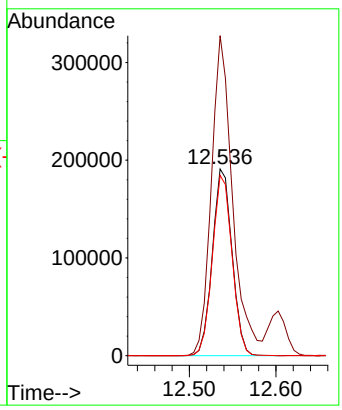
Tgt Ion:156 Resp: 30192

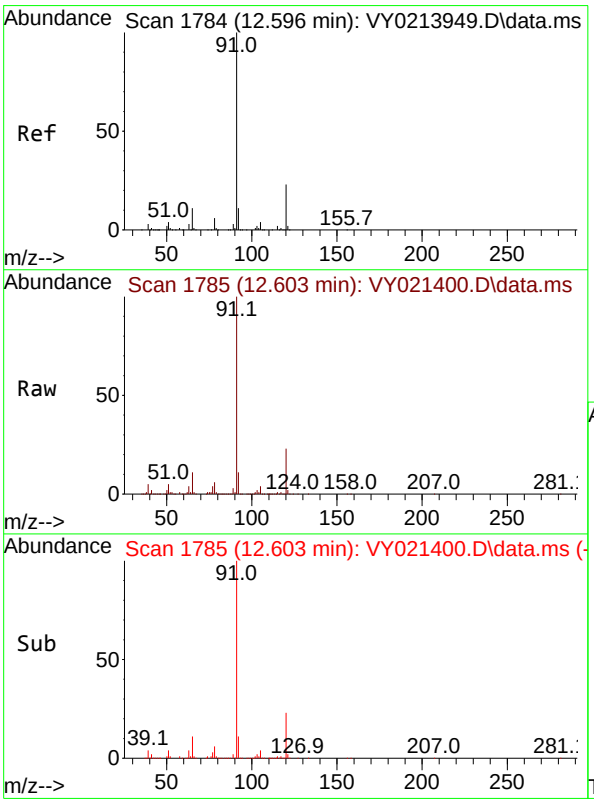
Ion	Ratio	Lower	Upper
156	100		
77	184.8	93.6	280.8
158	96.4	48.3	144.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

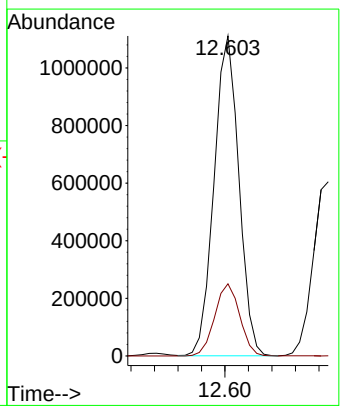


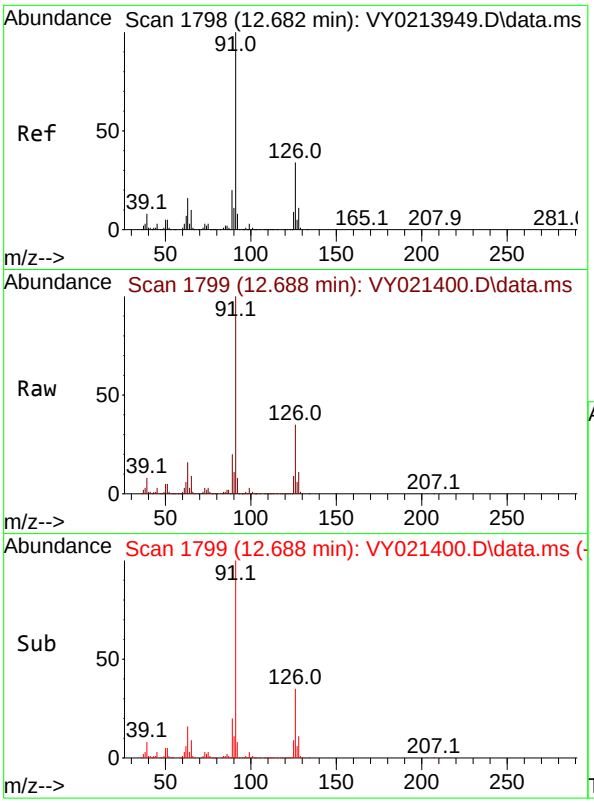


#78
n-propylbenzene
Concen: 105.485 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 91 Resp: 1627111

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.8





#79
2-Chlorotoluene
Concen: 103.236 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

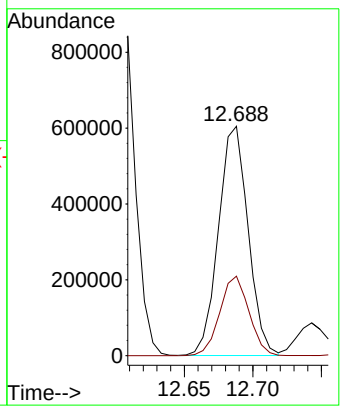
Tgt Ion: 91 Resp: 91054

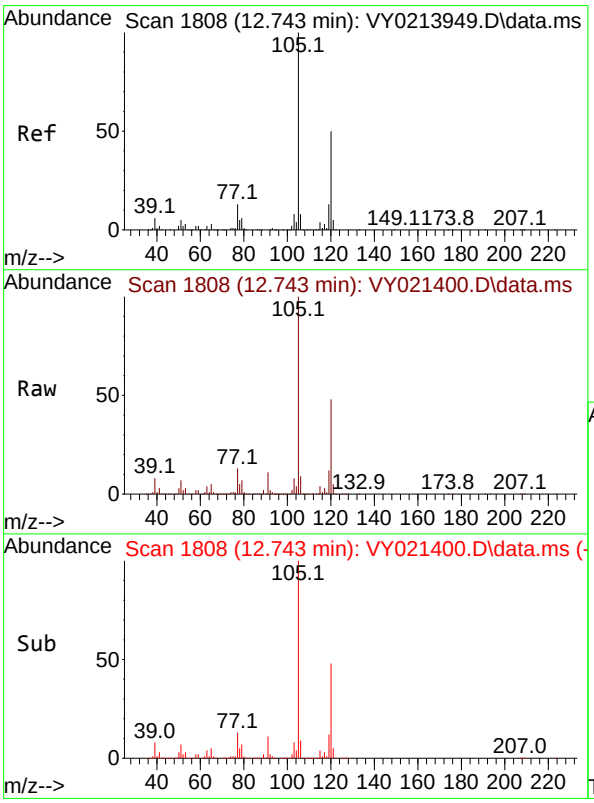
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

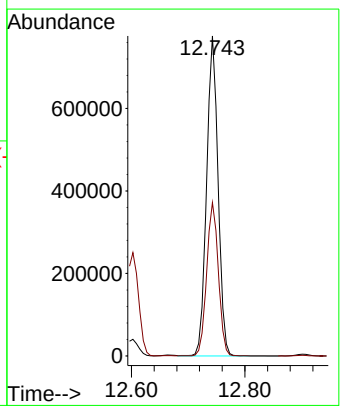


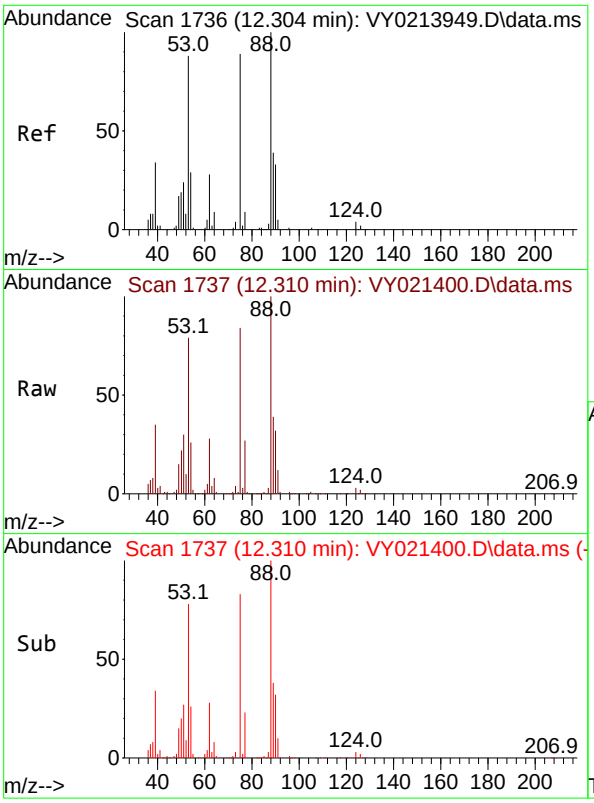


#80
1,3,5-Trimethylbenzene
Concen: 105.392 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:105 Resp: 1087821

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 103.120 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

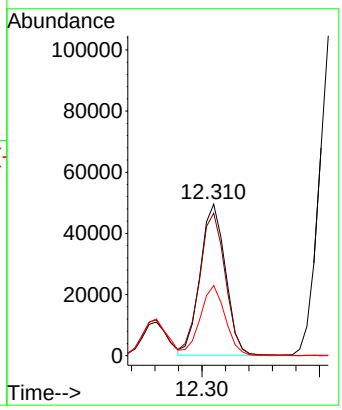
Tgt Ion: 75 Resp: 7370

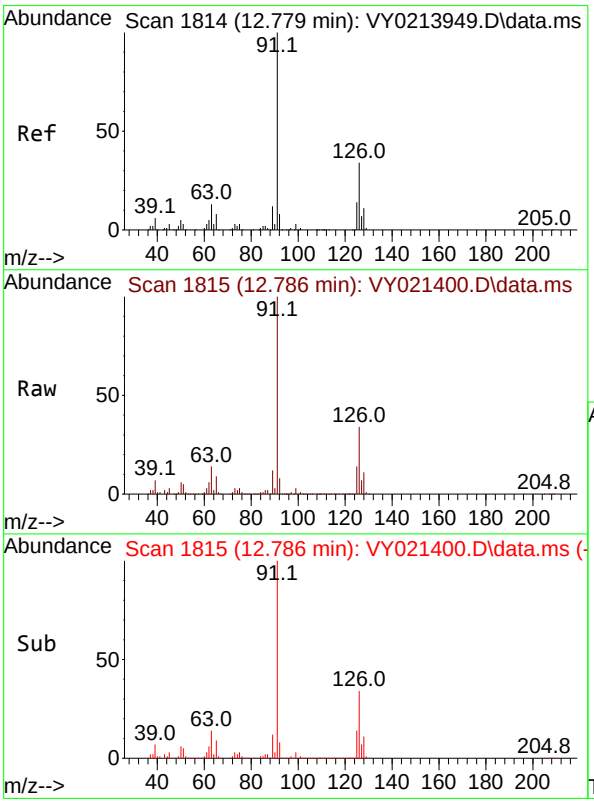
Ion	Ratio	Lower	Upper
75	100		
53	97.5	81.0	121.4
89	46.3	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

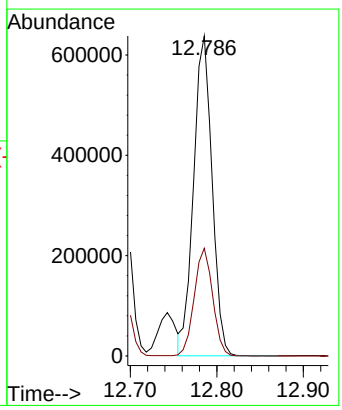


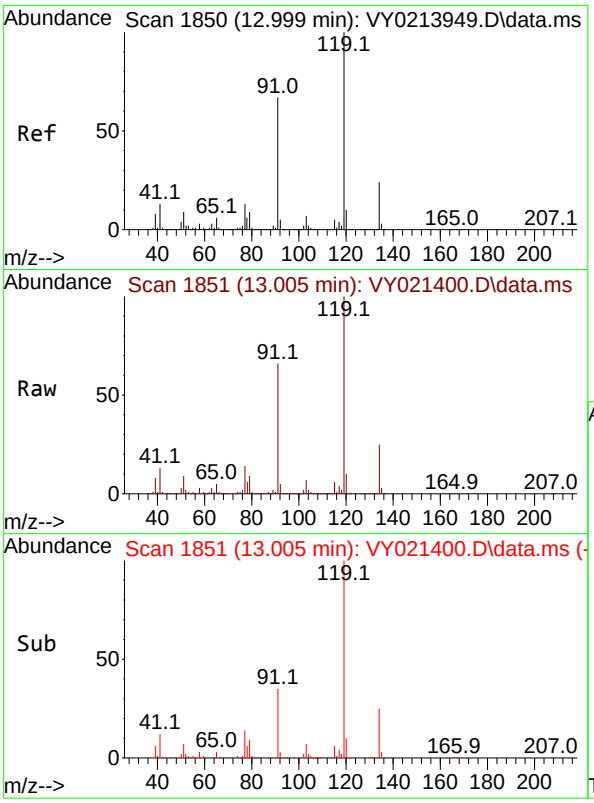


#82
4-Chlorotoluene
Concen: 103.470 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 91 Resp: 945021

Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.0	51.0

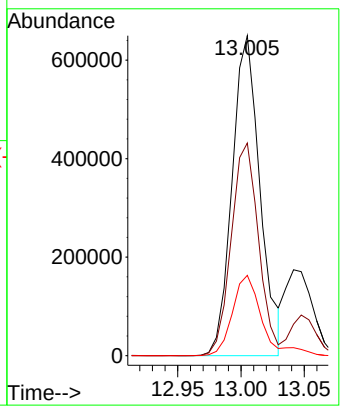




#83
tert-Butylbenzene
Concen: 108.425 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:119 Resp: 99836

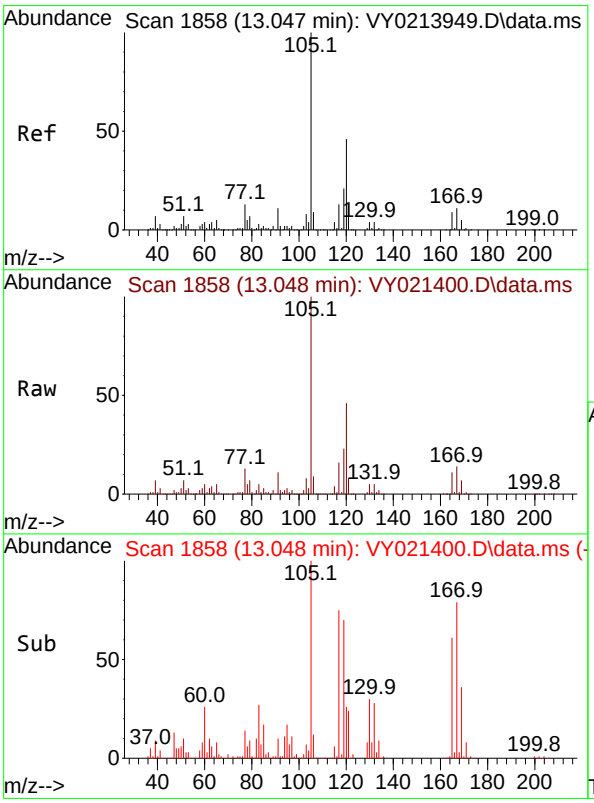
Ion	Ratio	Lower	Upper
119	100		
91	64.9	33.2	99.6
134	26.6	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

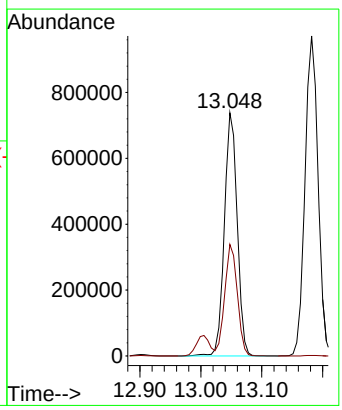
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

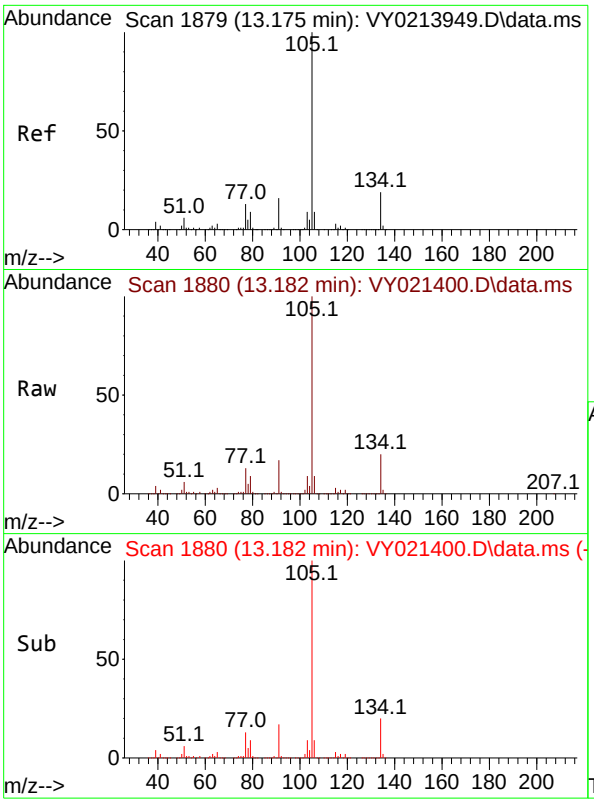


#84
1,2,4-Trimethylbenzene
Concen: 105.512 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:105 Resp: 1081299

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.1





#85
sec-Butylbenzene
Concen: 105.232 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

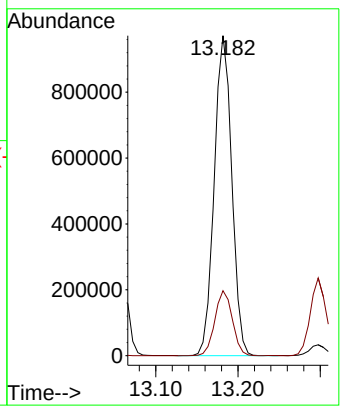
Tgt Ion:105 Resp: 144167

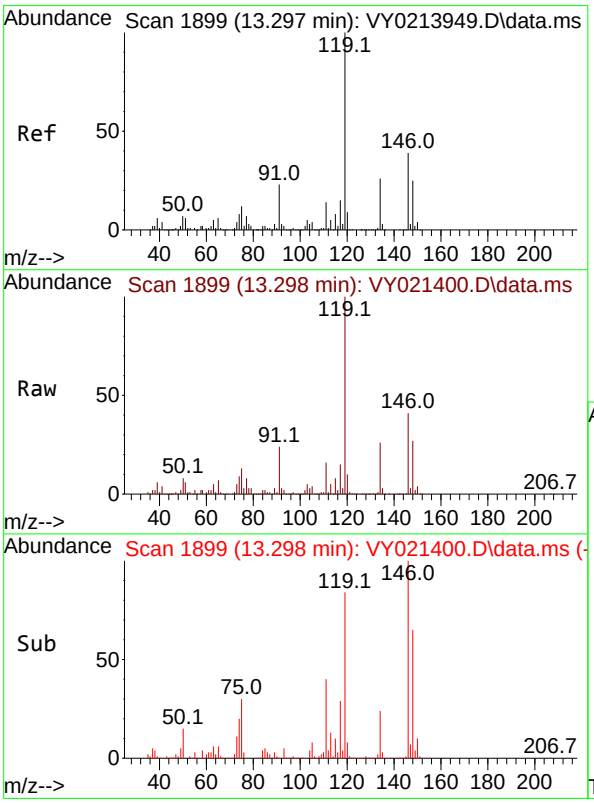
Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

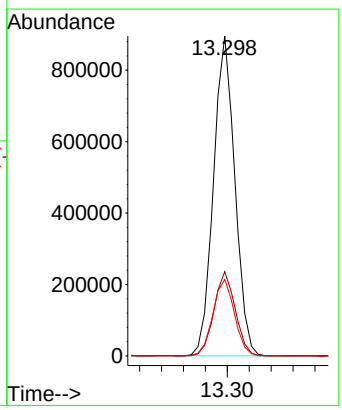


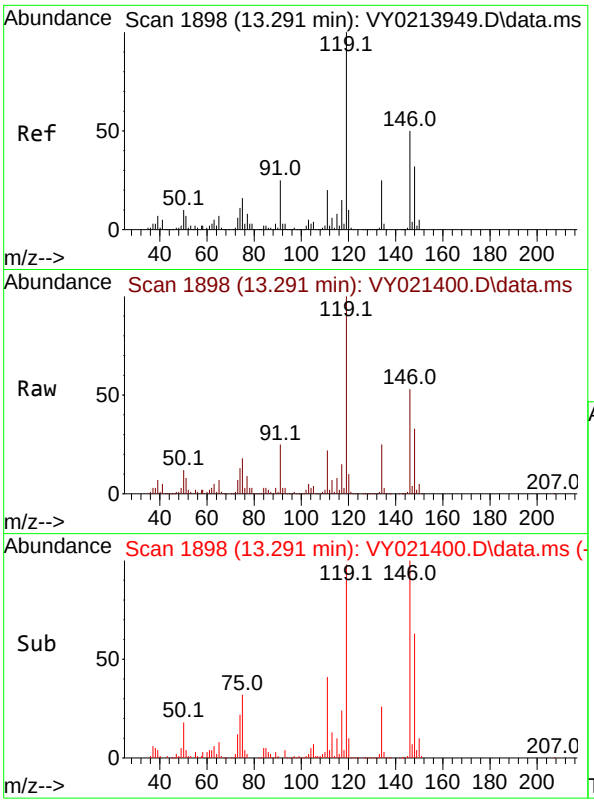


#86
p-Isopropyltoluene
Concen: 107.466 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:119 Resp: 1212941

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.1
91	24.2	12.2	36.6





#87
1,3-Dichlorobenzene
Concen: 100.292 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

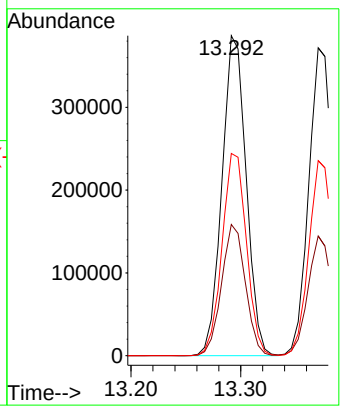
Tgt Ion:146 Resp: 59320

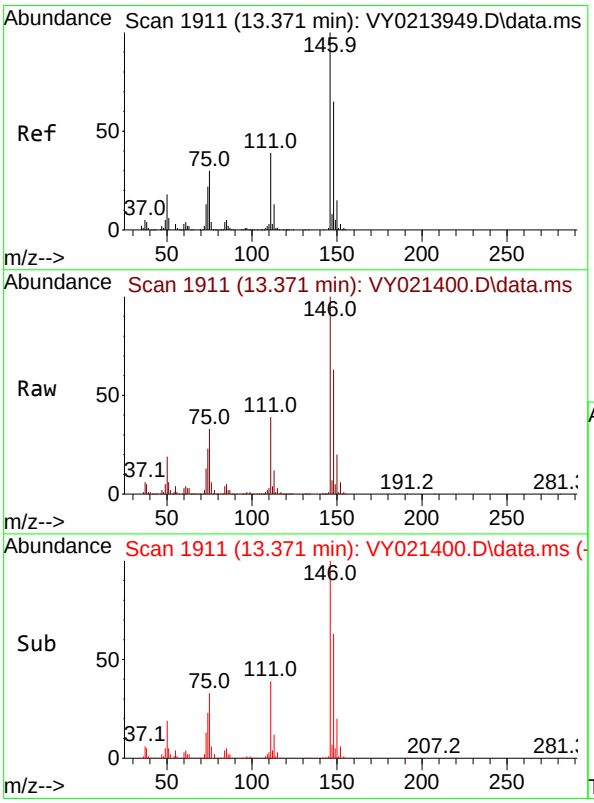
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	63.7	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

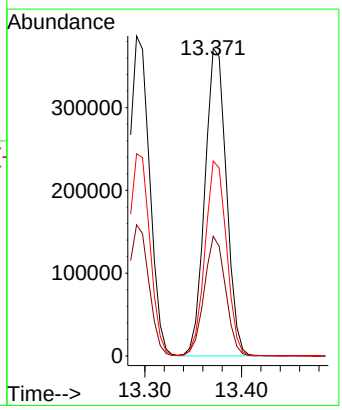


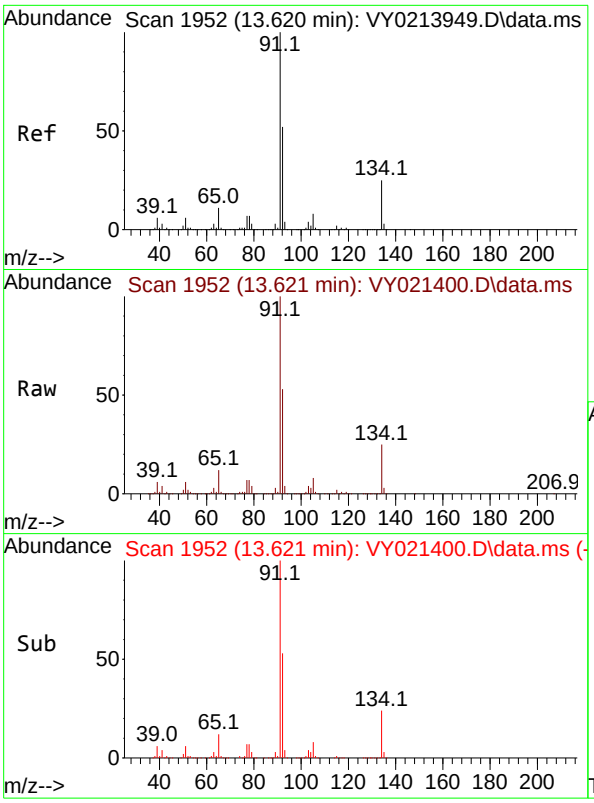


#88
1,4-Dichlorobenzene
Concen: 99.419 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:146 Resp: 575089

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.8
148	63.3	32.3	96.8





#89
n-Butylbenzene
Concen: 109.374 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

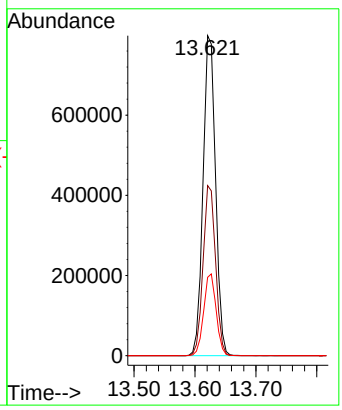
Tgt Ion: 91 Resp: 113992

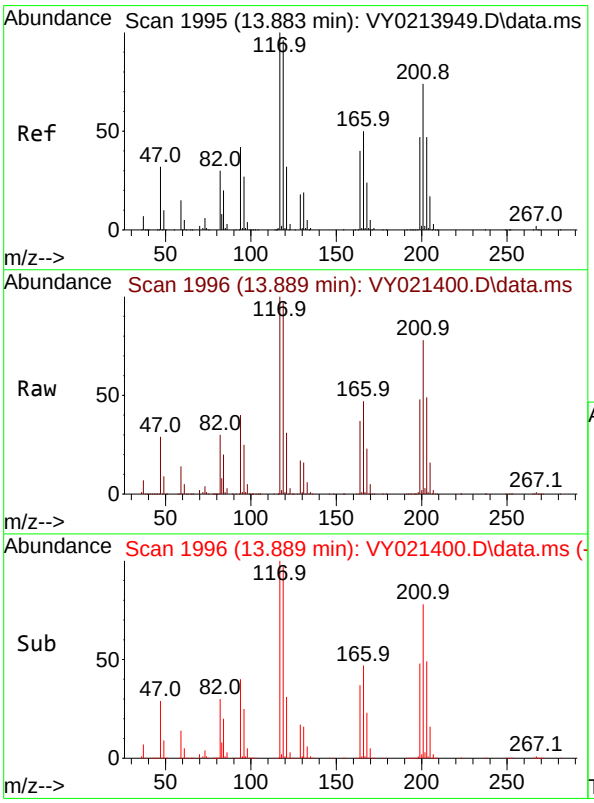
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.1	78.3
134	25.5	12.6	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

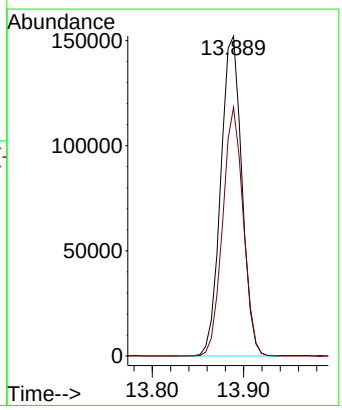


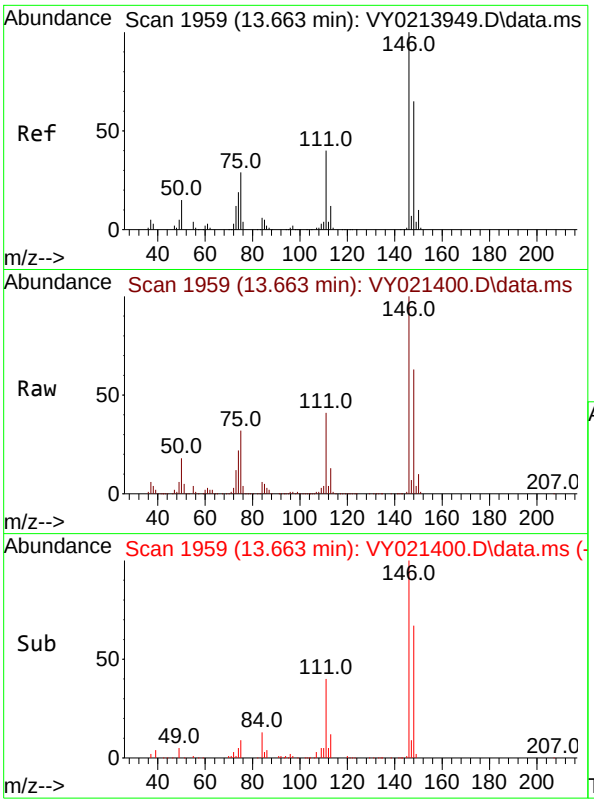


#90
Hexachloroethane
Concen: 101.612 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:117 Resp: 244664

Ion	Ratio	Lower	Upper
117	100		
201	75.6	37.4	112.2





#91
1,2-Dichlorobenzene
Concen: 99.761 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

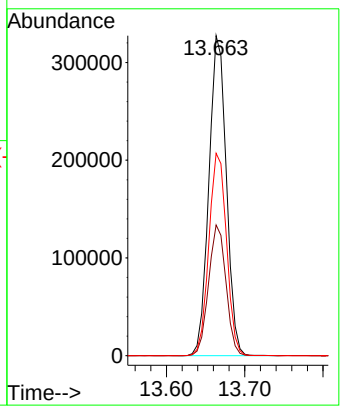
Tgt Ion:146 Resp: 50573

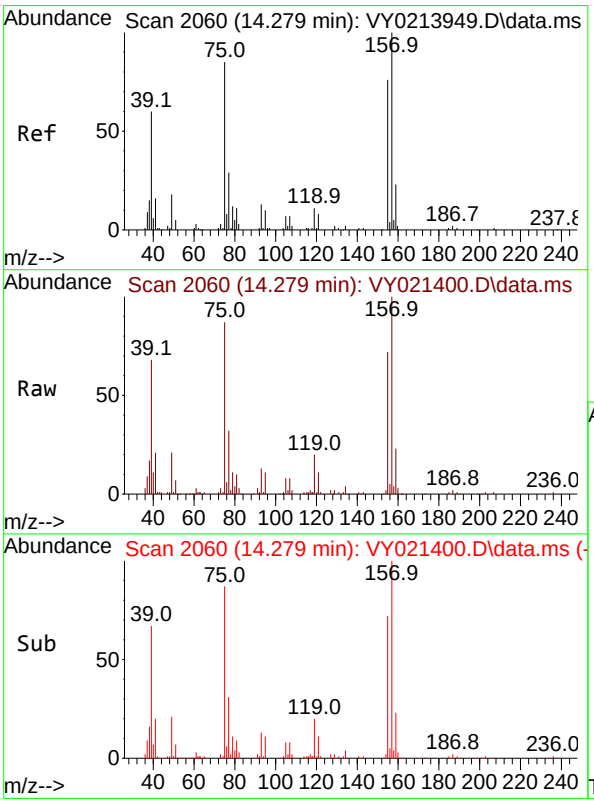
Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.7	62.1
148	64.2	32.1	96.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

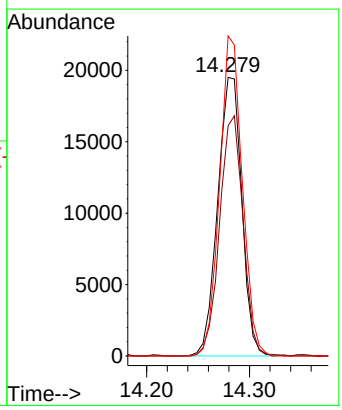


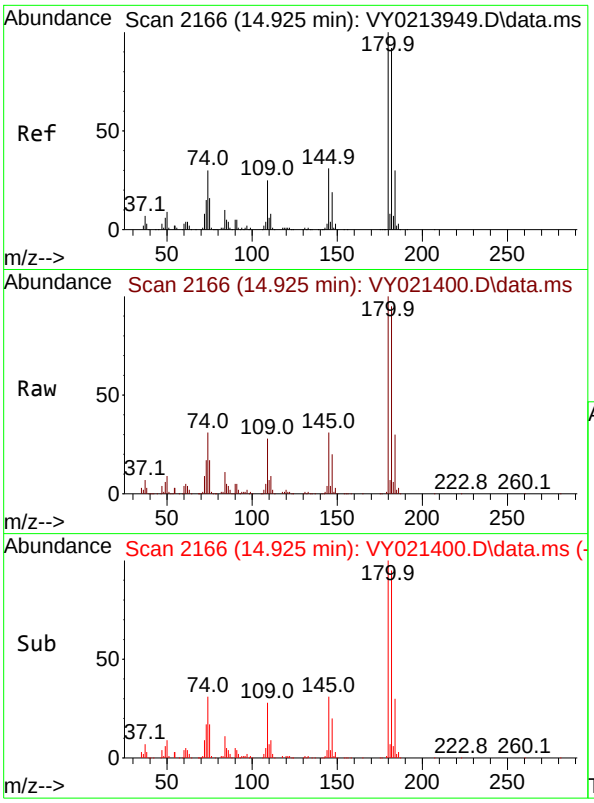


#92
1,2-Dibromo-3-Chloropropane
Concen: 94.443 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 75 Resp: 31708

Ion	Ratio	Lower	Upper
75	100		
155	83.8	43.5	130.5
157	108.1	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 107.869 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

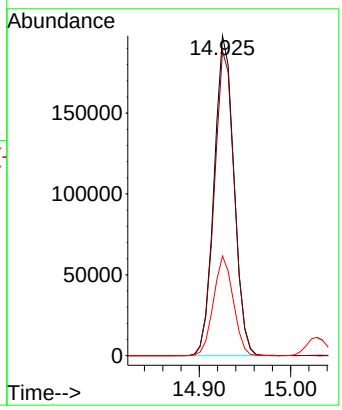
Tgt Ion:180 Resp: 29868

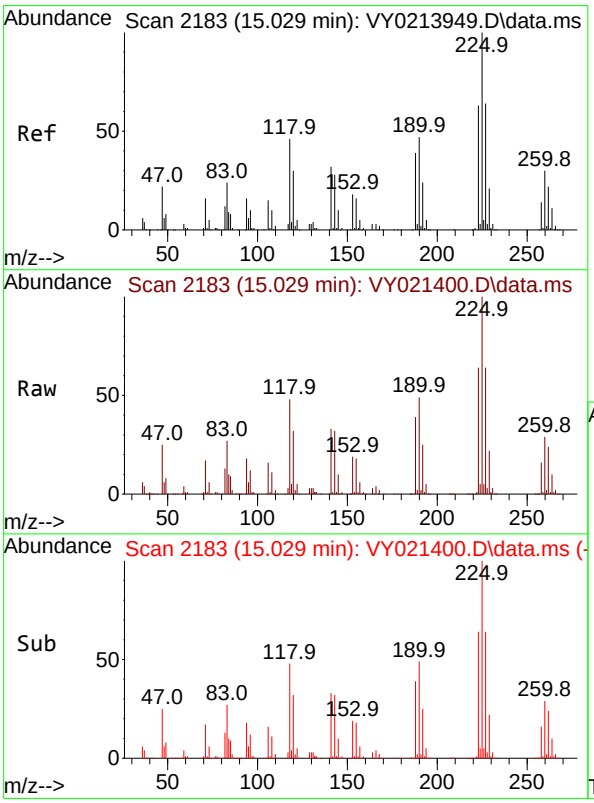
Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.7	140.0
145	30.9	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

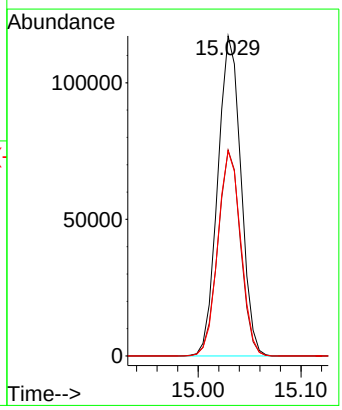


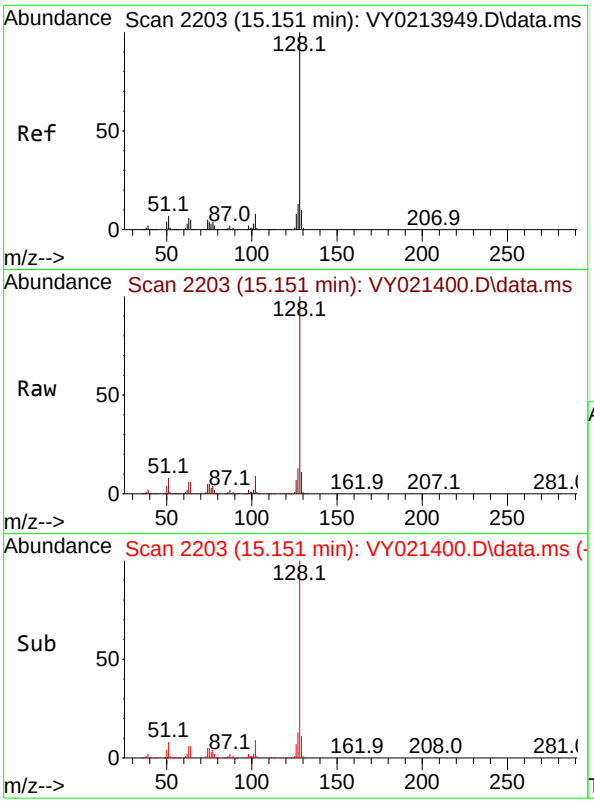


#94
Hexachlorobutadiene
Concen: 105.287 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:225 Resp: 182747

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	63.5	31.8	95.4

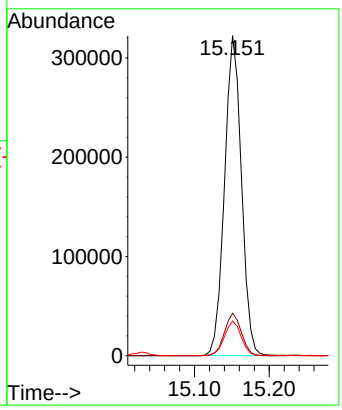




#95
Naphthalene
Concen: 97.607 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:128 Resp: 50657

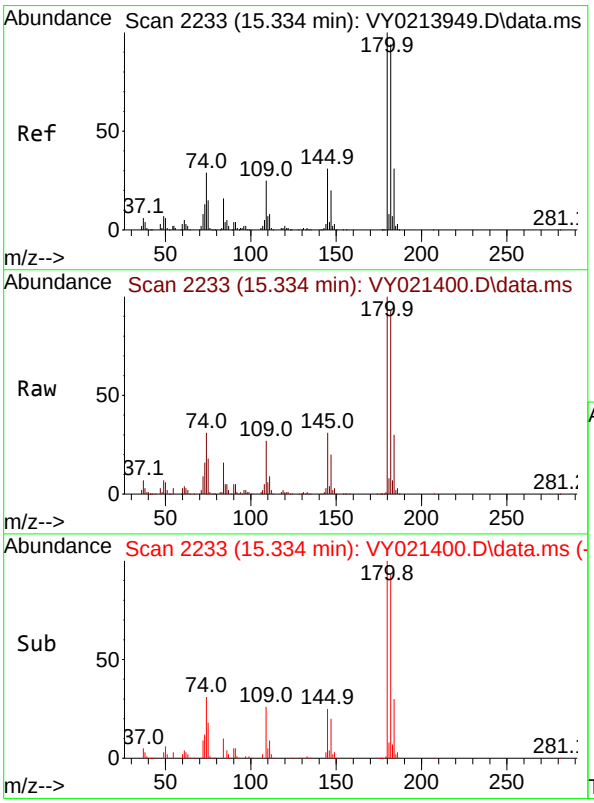
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.8	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

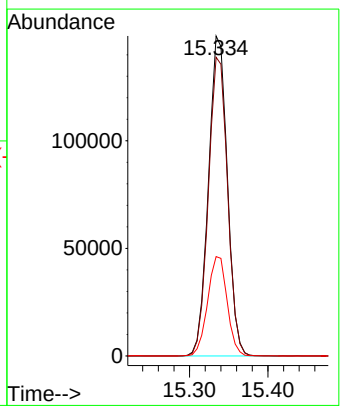
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 106.805 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:180 Resp: 248728

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.2	141.6
145	32.0	16.4	49.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021401.D
Acq On : 04 Mar 2025 11:29
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:01:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	266755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	403017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	355825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	173358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	382016	135.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 270.980%#			
35) Dibromofluoromethane	7.640	113	376382	142.080	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 284.160%#			
50) Toluene-d8	10.109	98	1454175	144.978	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 289.960%#			
62) 4-Bromofluorobenzene	12.408	95	489437	143.450	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 286.900%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	343152	140.181	ug/l	97
3) Chloromethane	2.074	50	464459	134.578	ug/l	99
4) Vinyl Chloride	2.208	62	532492	141.188	ug/l	99
5) Bromomethane	2.592	94	374688	137.459	ug/l	98
6) Chloroethane	2.739	64	345714	138.708	ug/l	97
7) Trichlorofluoromethane	3.062	101	748024	142.097	ug/l	99
8) Diethyl Ether	3.458	74	210548	144.324	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	419826	139.685	ug/l	99
10) Methyl Iodide	4.013	142	485205	158.816	ug/l	98
11) Tert butyl alcohol	4.872	59	132243	768.076	ug/l	100
12) 1,1-Dichloroethene	3.793	96	395483	144.329	ug/l	99
13) Acrolein	3.659	56	16610	115.824	ug/l	89
14) Allyl chloride	4.391	41	650795	146.966	ug/l	99
15) Acrylonitrile	5.061	53	454097	731.212	ug/l	99
16) Acetone	3.873	43	380537	618.814	ug/l	94
17) Carbon Disulfide	4.110	76	1237407	144.094	ug/l	100
18) Methyl Acetate	4.391	43	205359	150.507	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	1052192	151.501	ug/l	99
20) Methylene Chloride	4.622	84	405442	125.603	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	436290	142.173	ug/l	99
22) Diisopropyl ether	6.025	45	1390733	145.730	ug/l	96
23) Vinyl Acetate	5.964	43	4142519	760.601	ug/l	99
24) 1,1-Dichloroethane	5.921	63	793059	140.803	ug/l	99
25) 2-Butanone	6.896	43	604502	710.631	ug/l	99
26) 2,2-Dichloropropane	6.890	77	740961	142.975	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	511211	146.639	ug/l	98
28) Bromochloromethane	7.250	49	304092	128.781	ug/l	98
29) Tetrahydrofuran	7.262	42	392146	746.729	ug/l	99
30) Chloroform	7.427	83	823431	140.790	ug/l	98
31) Cyclohexane	7.707	56	731684	138.566	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	762807	142.442	ug/l	99
36) 1,1-Dichloropropene	7.841	75	609596	147.009	ug/l	99
37) Ethyl Acetate	6.988	43	271579	145.189	ug/l	99
38) Carbon Tetrachloride	7.823	117	700638	146.916	ug/l	100
39) Methylcyclohexane	9.109	83	808497	158.954	ug/l	99
40) Benzene	8.085	78	1781188	145.818	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021401.D
Acq On : 04 Mar 2025 11:29
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:01:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	150455	147.676 ug/l #	92
42) 1,2-Dichloroethane	8.164	62	493103	144.299 ug/l	99
43) Isopropyl Acetate	8.201	43	557010	156.557 ug/l	99
44) Trichloroethene	8.866	130	456841	148.000 ug/l	96
45) 1,2-Dichloropropane	9.146	63	419433	144.273 ug/l	98
46) Dibromomethane	9.231	93	239577	148.107 ug/l	99
47) Bromodichloromethane	9.426	83	629944	146.641 ug/l	100
48) Methyl methacrylate	9.225	41	268043	162.482 ug/l	99
49) 1,4-Dioxane	9.231	88	51411	3238.027 ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	1468813	800.119 ug/l	99
52) Toluene	10.176	92	1158338	150.411 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	598438	158.120 ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	684617	152.359 ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	310174	146.586 ug/l	99
56) Ethyl methacrylate	10.444	69	466697	172.939 ug/l	99
57) 1,3-Dichloropropane	10.719	76	545711	148.802 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1094099	878.264 ug/l	99
59) 2-Hexanone	10.762	43	983959	810.617 ug/l	100
60) Dibromochloromethane	10.914	129	436855	150.595 ug/l	99
61) 1,2-Dibromoethane	11.018	107	298827	149.635 ug/l	98
64) Tetrachloroethene	10.652	164	419107	144.847 ug/l	99
65) Chlorobenzene	11.444	112	1243163	147.949 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	442377	148.911 ug/l	100
67) Ethyl Benzene	11.524	91	2291269	155.358 ug/l	100
68) m/p-Xylenes	11.633	106	1713936	306.103 ug/l	99
69) o-Xylene	11.956	106	805321	156.057 ug/l	99
70) Styrene	11.975	104	1352252	157.956 ug/l	99
71) Bromoform	12.133	173	253882	152.878 ug/l #	98
73) Isopropylbenzene	12.255	105	2144893	157.067 ug/l	99
74) N-amyl acetate	12.072	43	521557	175.863 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	358734	148.865 ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	241297m	138.129 ug/l	
77) Bromobenzene	12.536	156	485258	151.891 ug/l	98
78) n-propylbenzene	12.597	91	2550395	153.780 ug/l	100
79) 2-Chlorotoluene	12.682	91	1439597	151.808 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1704391	153.582 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	126267	164.316 ug/l	95
82) 4-Chlorotoluene	12.779	91	1468603	149.554 ug/l	100
83) tert-Butylbenzene	12.999	119	1538803	155.433 ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	1713052	155.470 ug/l	99
85) sec-Butylbenzene	13.182	105	2277976	154.650 ug/l	99
86) p-Isopropyltoluene	13.298	119	1940795	159.931 ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	947577	149.004 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	917648	147.547 ug/l	99
89) n-Butylbenzene	13.621	91	1818773	162.308 ug/l	98
90) Hexachloroethane	13.883	117	393459	151.984 ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	811529	148.890 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	56205	155.702 ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	517199	173.726 ug/l	98
94) Hexachlorobutadiene	15.029	225	302517	162.105 ug/l	99
95) Naphthalene	15.151	128	925079	150.626 ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	434430	173.503 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021401.D
Acq On : 04 Mar 2025 11:29
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:01:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

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

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

ICAL Form

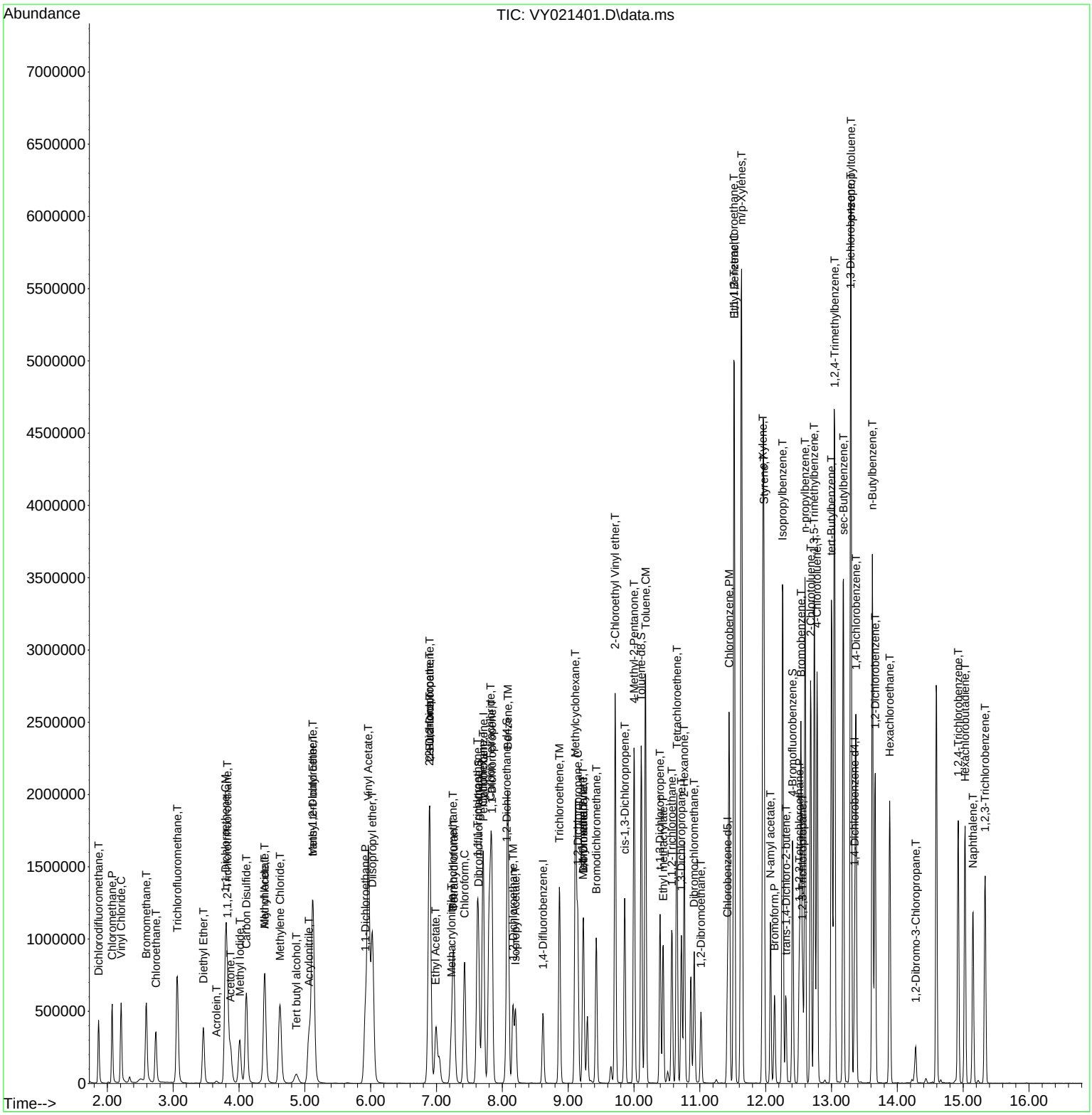
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021401.D
Acq On : 04 Mar 2025 11:29
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

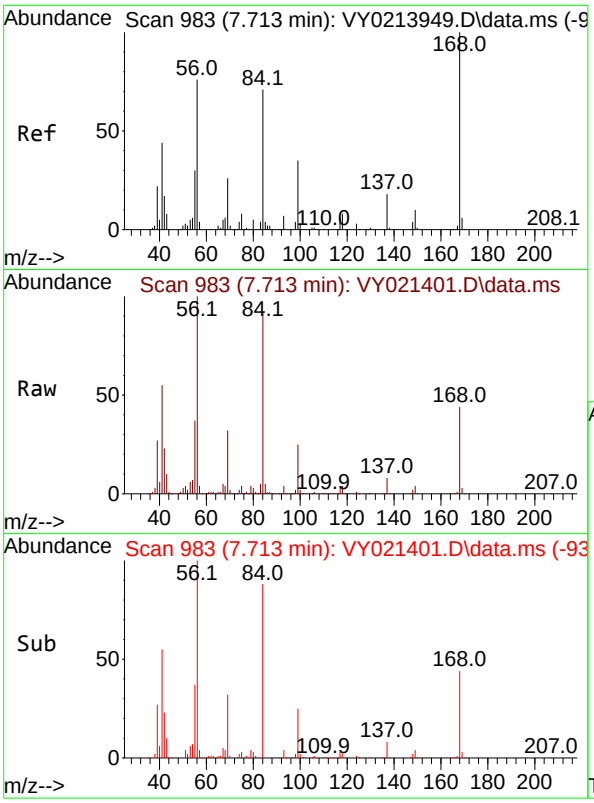
Quant Time: Mar 05 03:01:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

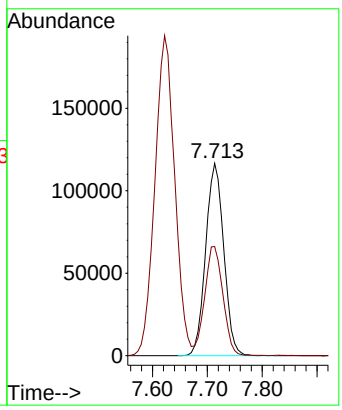




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:168 Resp: 26675

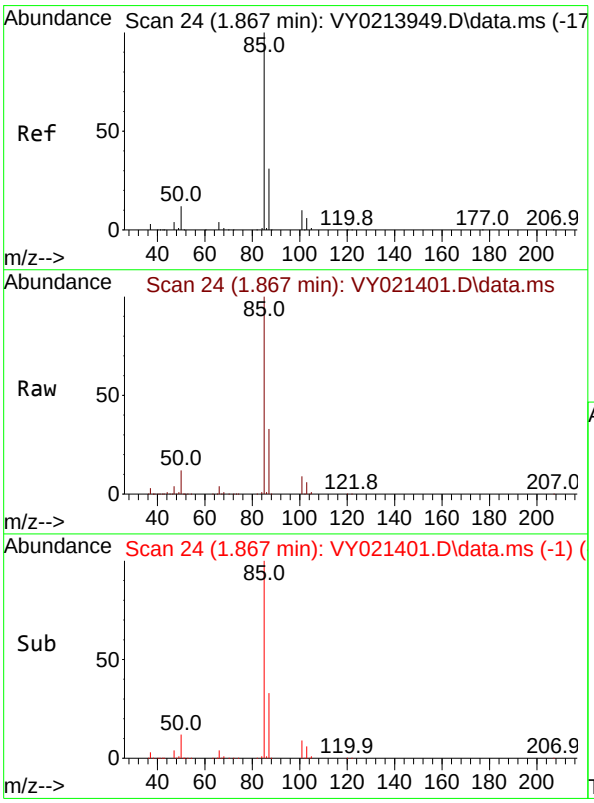
Ion	Ratio	Lower	Upper
168	100		
99	56.5	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

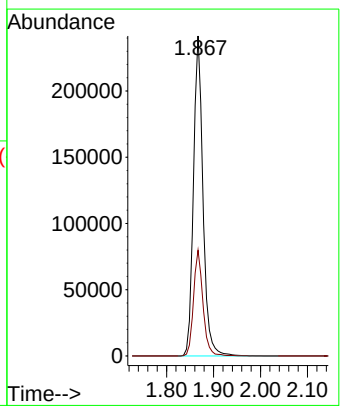
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

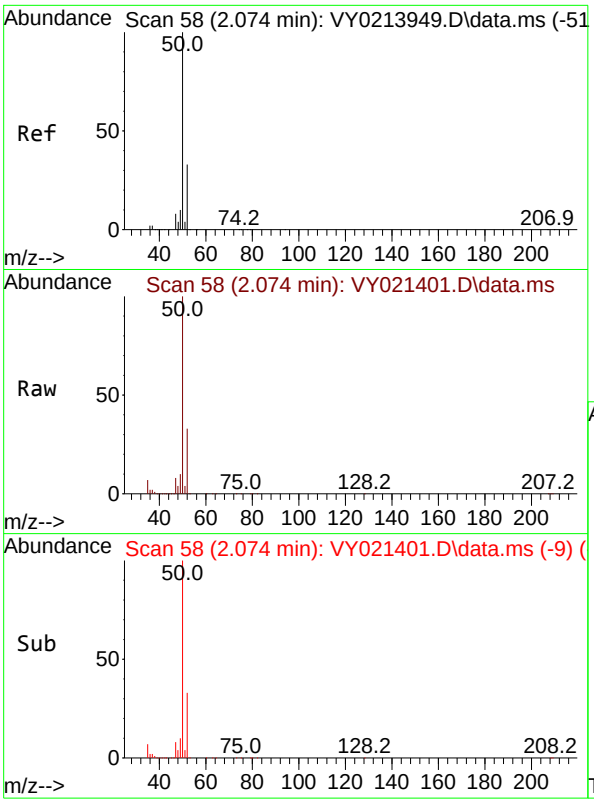


#2
Dichlorodifluoromethane
Concen: 140.181 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 85 Resp: 343152

Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.7	47.0

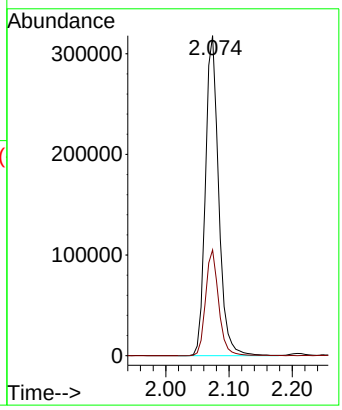




#3
Chloromethane
Concen: 134.578 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 50 Resp: 46445

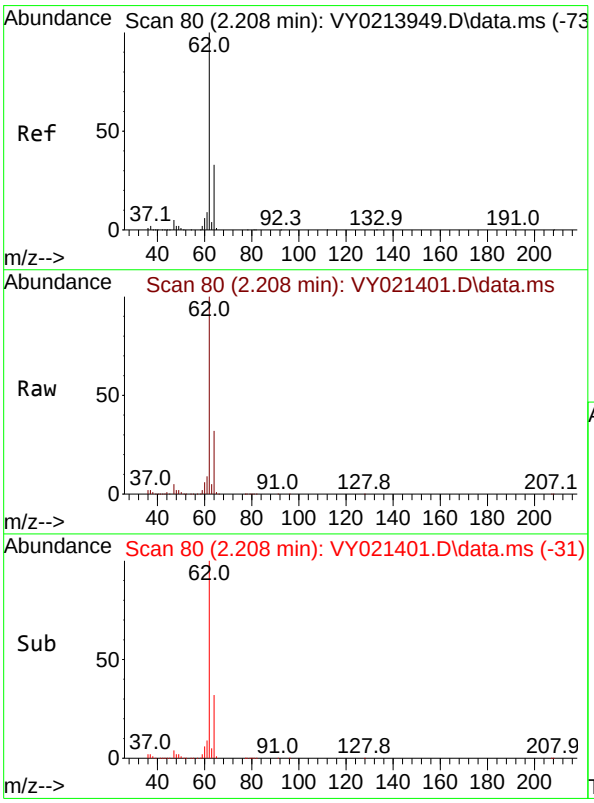
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

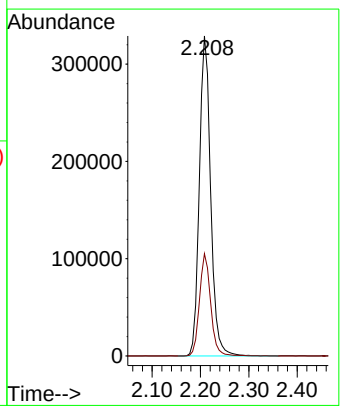
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

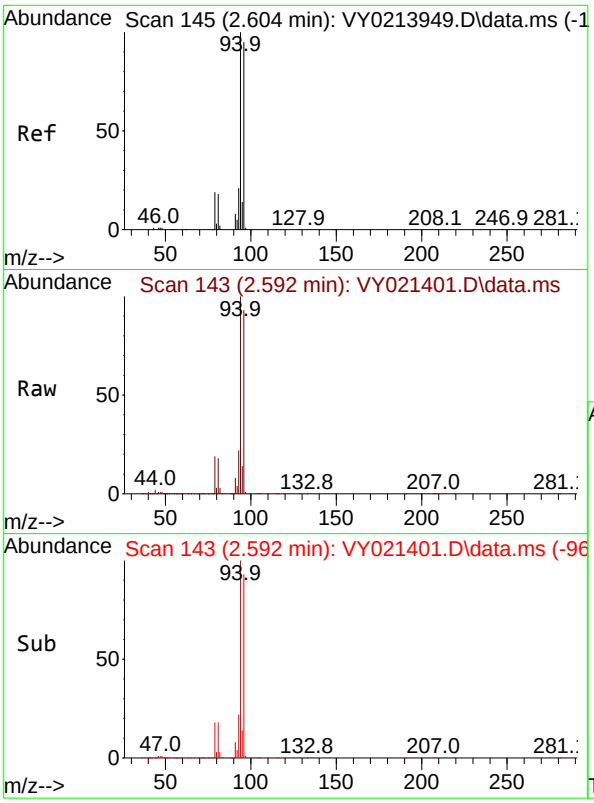


#4
Vinyl Chloride
Concen: 141.188 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 62 Resp: 532492

Ion	Ratio	Lower	Upper
62	100		
64	31.9	26.2	39.2





#5
Bromomethane
Concen: 137.459 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

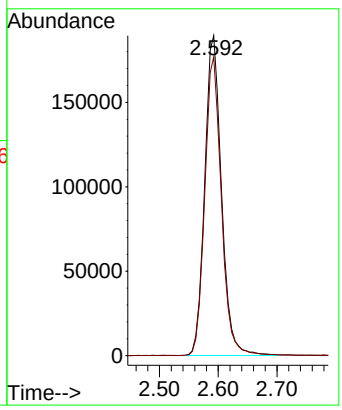
Tgt Ion: 94 Resp: 37468

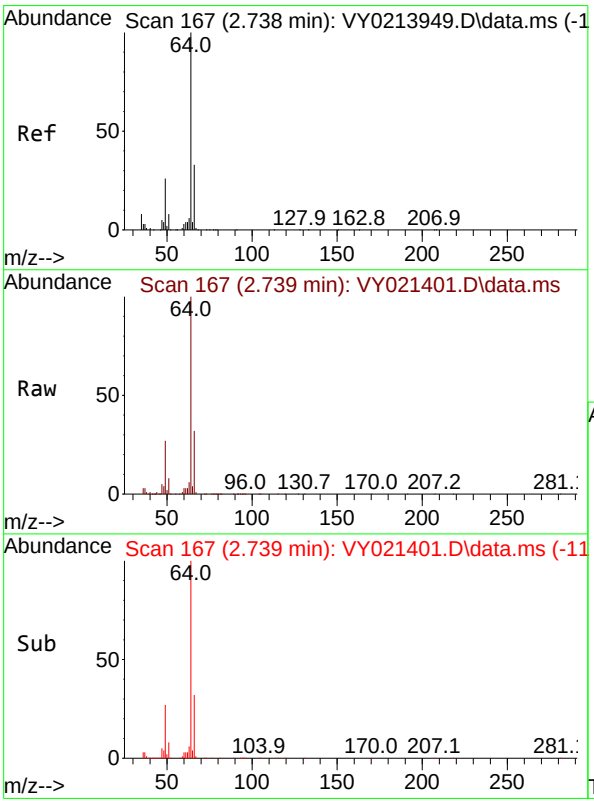
Ion	Ratio	Lower	Upper
94	100		
96	93.3	76.3	114.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

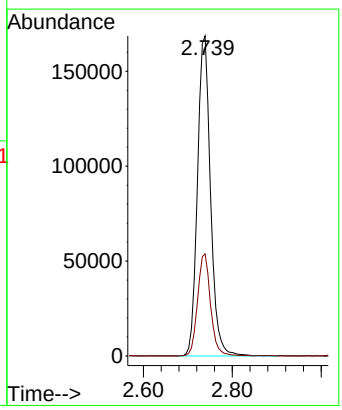


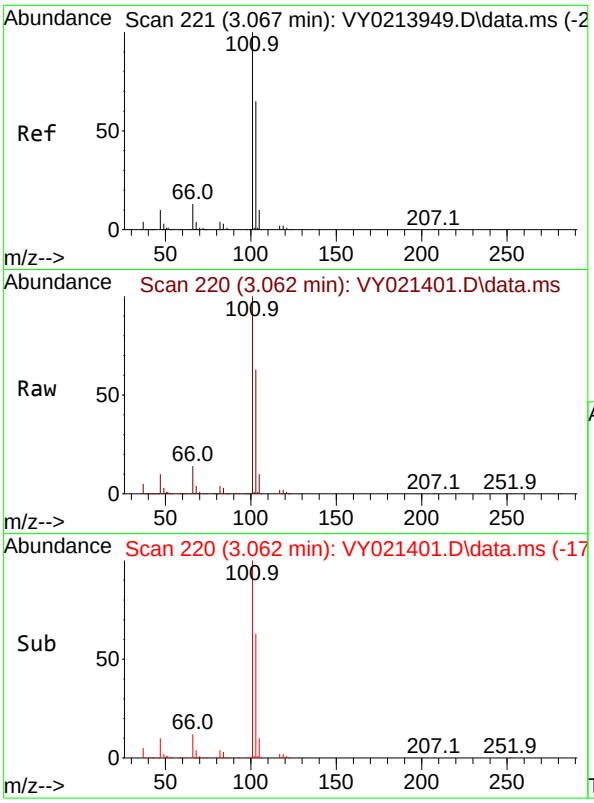


#6
Chloroethane
Concen: 138.708 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 64 Resp: 345714

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.7	40.1

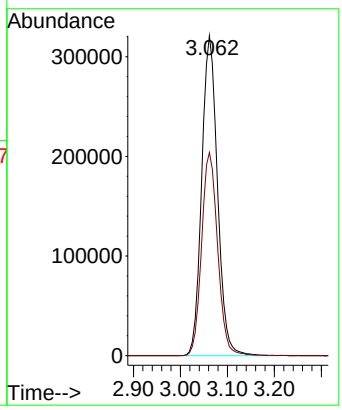




#7
Trichlorofluoromethane
Concen: 142.097 ug/l
RT: 3.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:101 Resp: 74802

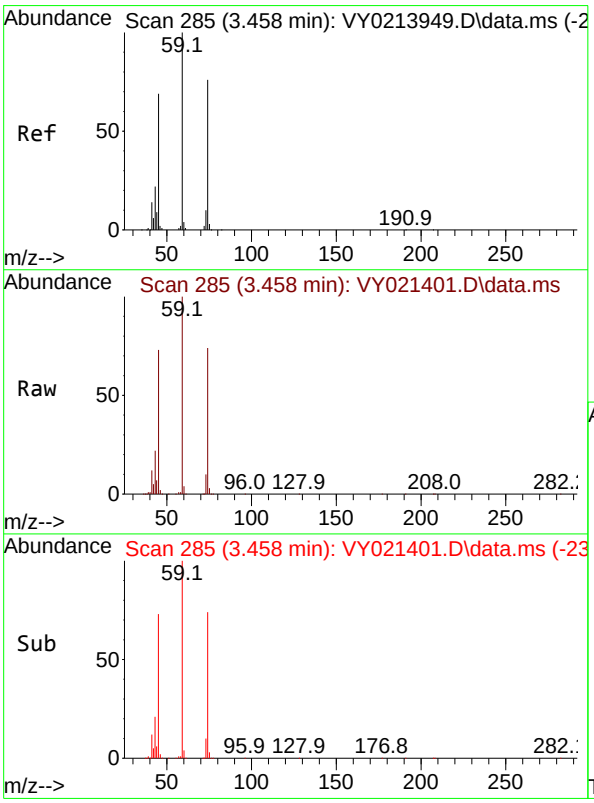
Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

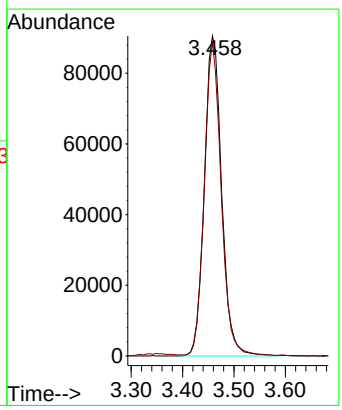
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

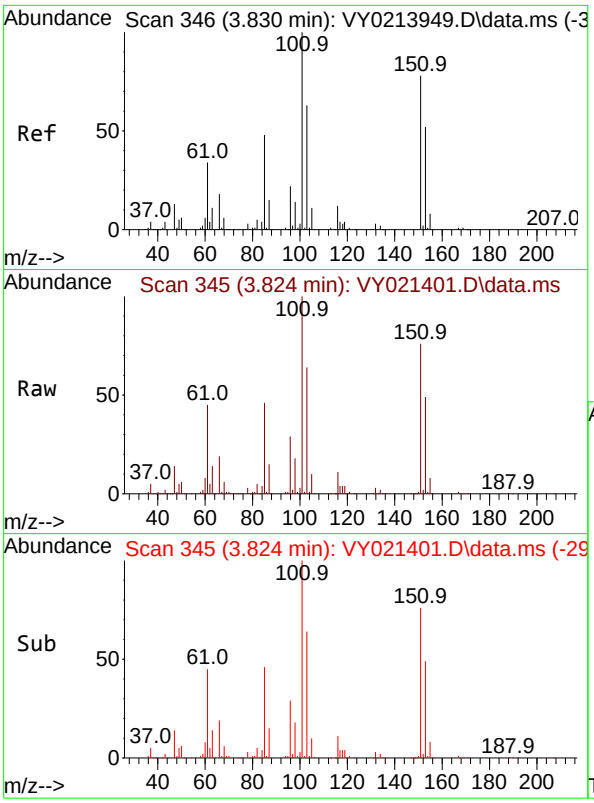


#8
Diethyl Ether
Concen: 144.324 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 74 Resp: 210548

Ion	Ratio	Lower	Upper
74	100		
45	96.0	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 139.685 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

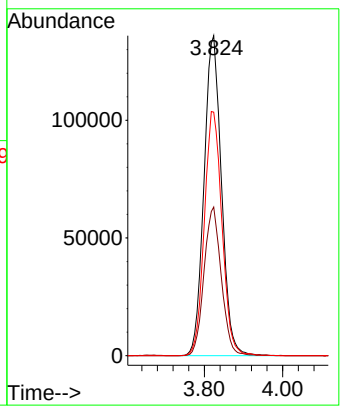
Tgt Ion:101 Resp: 41982

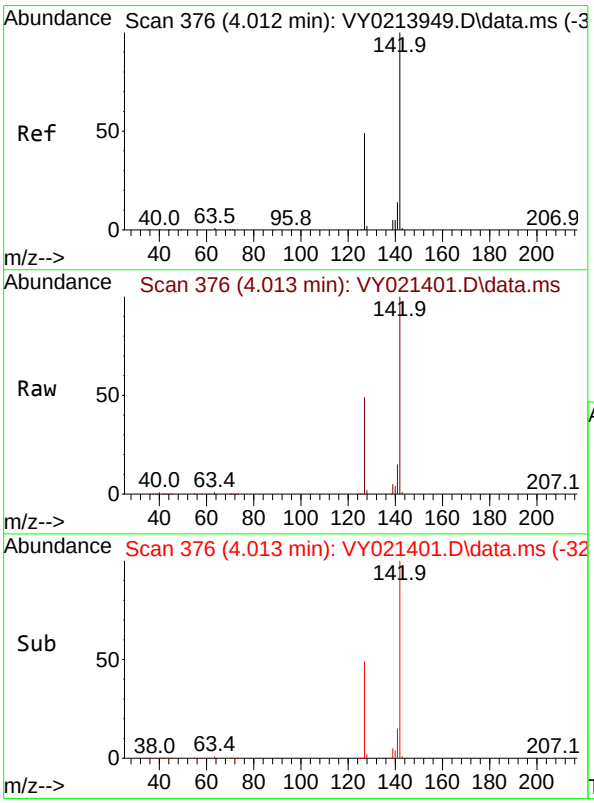
Ion	Ratio	Lower	Upper
101	100		
85	46.0	37.1	55.7
151	77.2	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

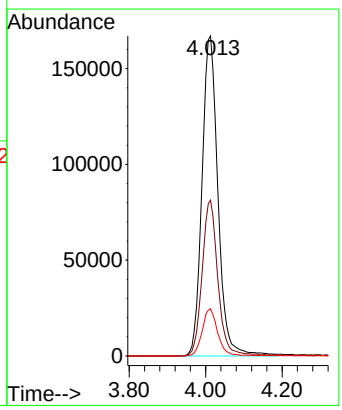


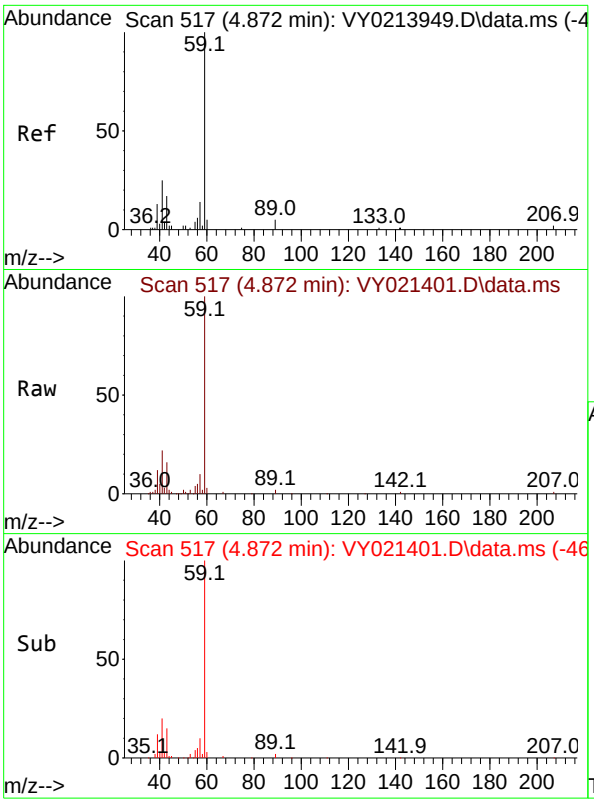


#10
Methyl Iodide
Concen: 158.816 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:142 Resp: 485205

Ion	Ratio	Lower	Upper
142	100		
127	47.8	39.1	58.7
141	14.2	11.8	17.6

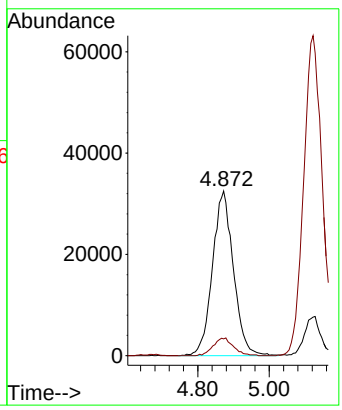




#11
Tert butyl alcohol
Concen: 768.076 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 59 Resp: 13224

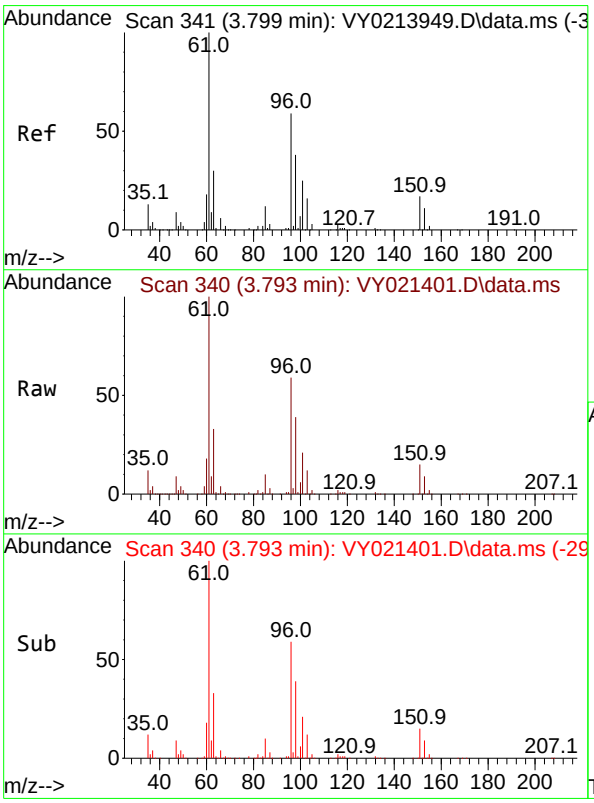
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

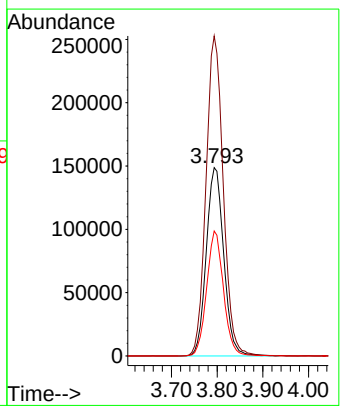
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

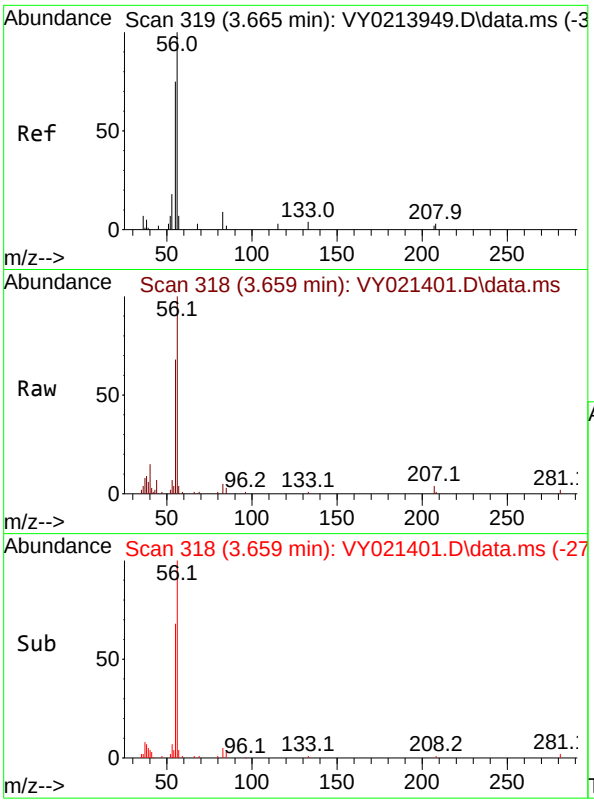


#12
1,1-Dichloroethene
Concen: 144.329 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 96 Resp: 395483

Ion	Ratio	Lower	Upper
96	100		
61	169.9	135.2	202.8
98	66.4	51.4	77.2





#13
Acrolein
Concen: 115.824 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

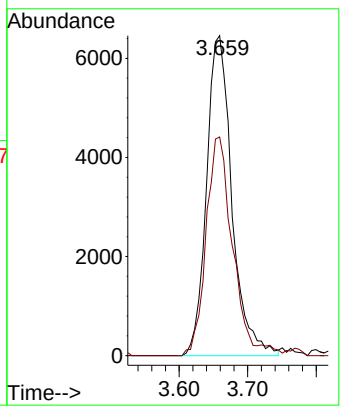
Tgt Ion: 56 Resp: 1661

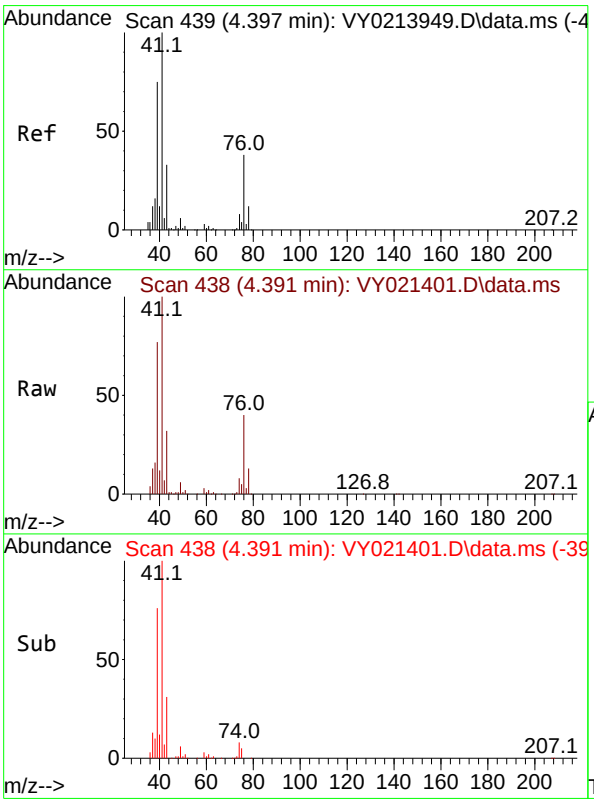
Ion	Ratio	Lower	Upper
56	100		
55	69.5	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

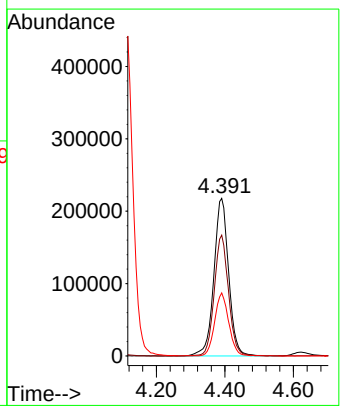


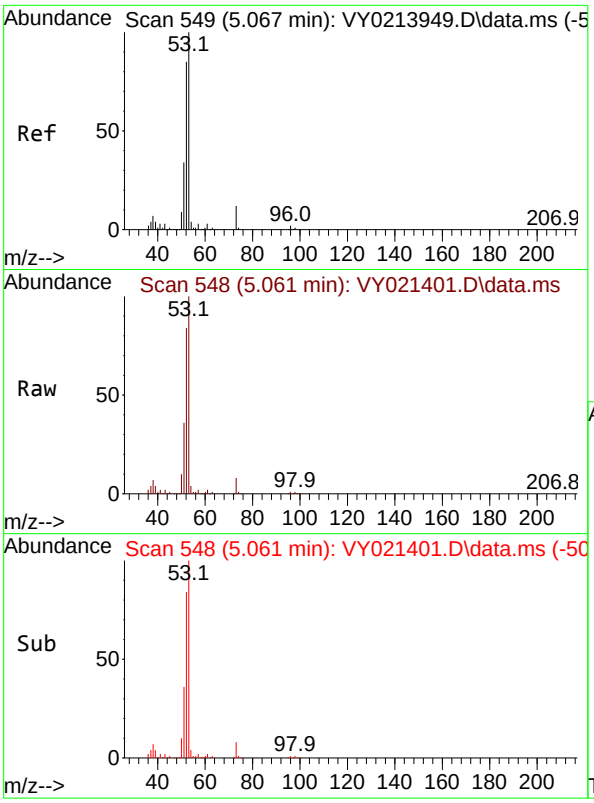


#14
Allyl chloride
Concen: 146.966 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 41 Resp: 650795

Ion	Ratio	Lower	Upper
41	100		
39	73.7	59.3	88.9
76	37.9	29.8	44.8





#15
Acrylonitrile
Concen: 731.212 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

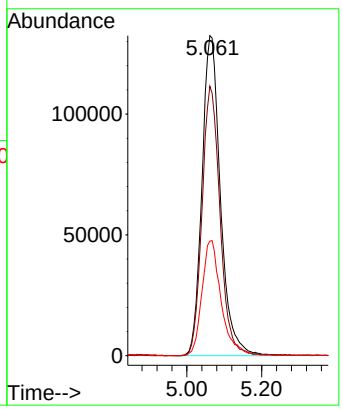
Tgt Ion: 53 Resp: 45409

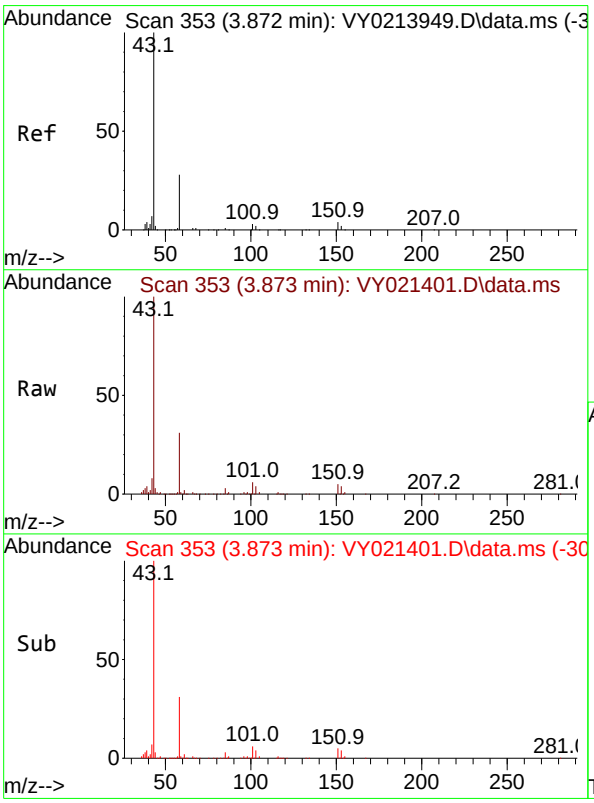
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.3	99.5
51	37.5	30.3	45.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

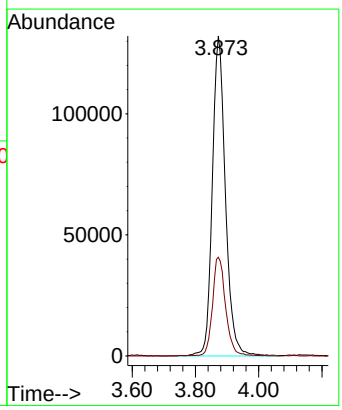


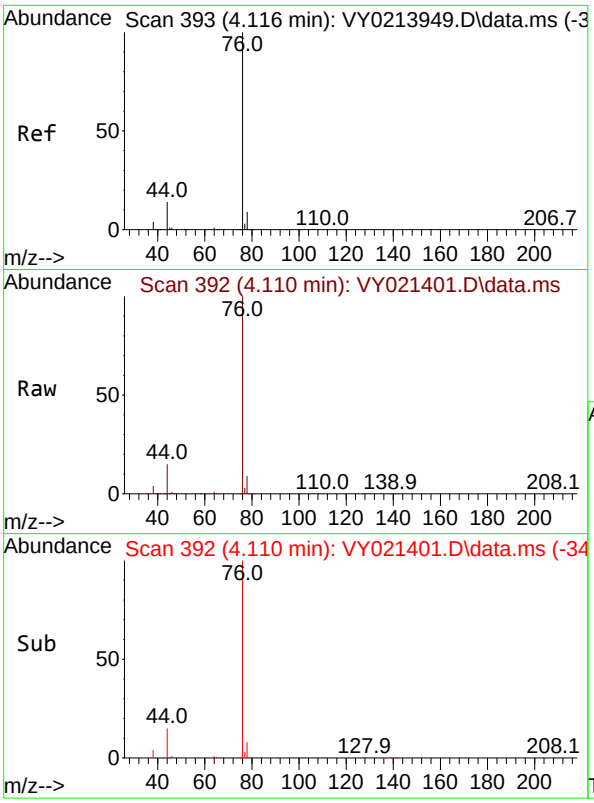


#16
Acetone
Concen: 618.814 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 43 Resp: 380537

Ion	Ratio	Lower	Upper
43	100		
58	30.8	22.1	33.1





#17
Carbon Disulfide
Concen: 144.094 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

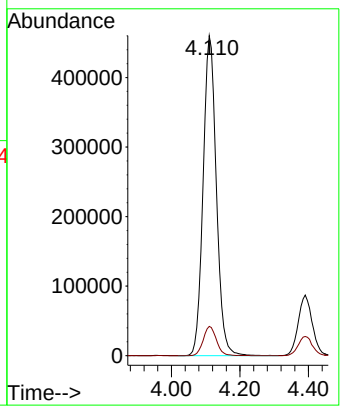
Tgt Ion: 76 Resp: 123740

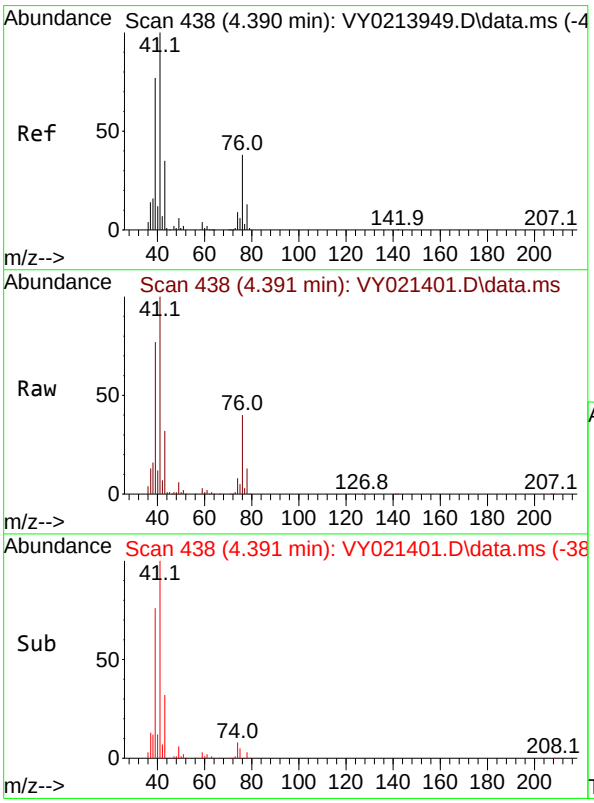
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

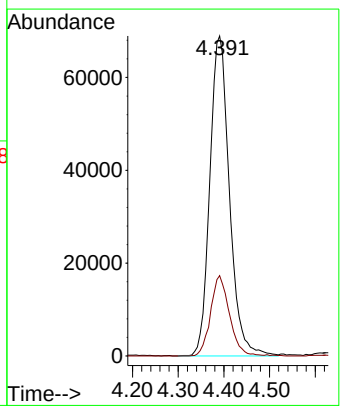


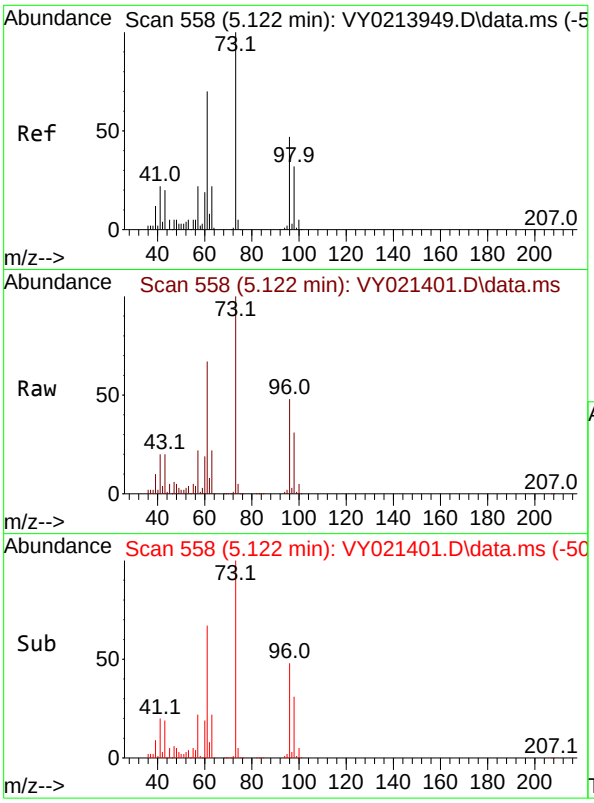


#18
Methyl Acetate
Concen: 150.507 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 43 Resp: 205359

Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.4	29.0

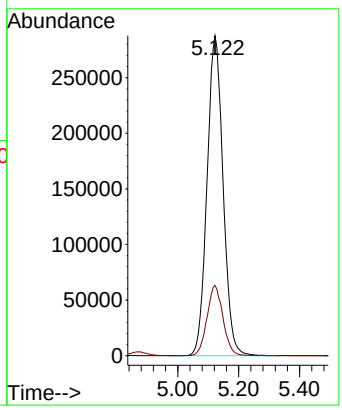




#19
Methyl tert-butyl Ether
Concen: 151.501 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 73 Resp: 105219

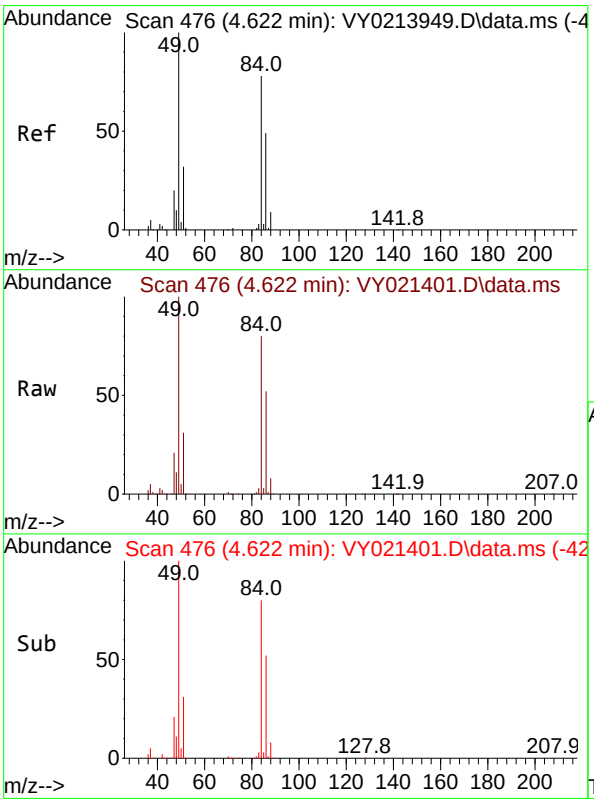
Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

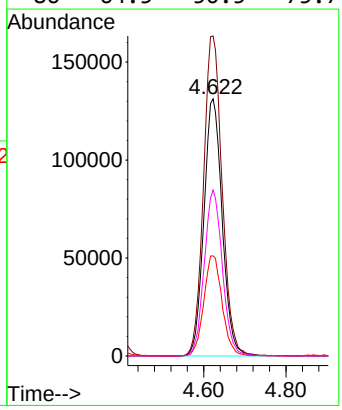
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

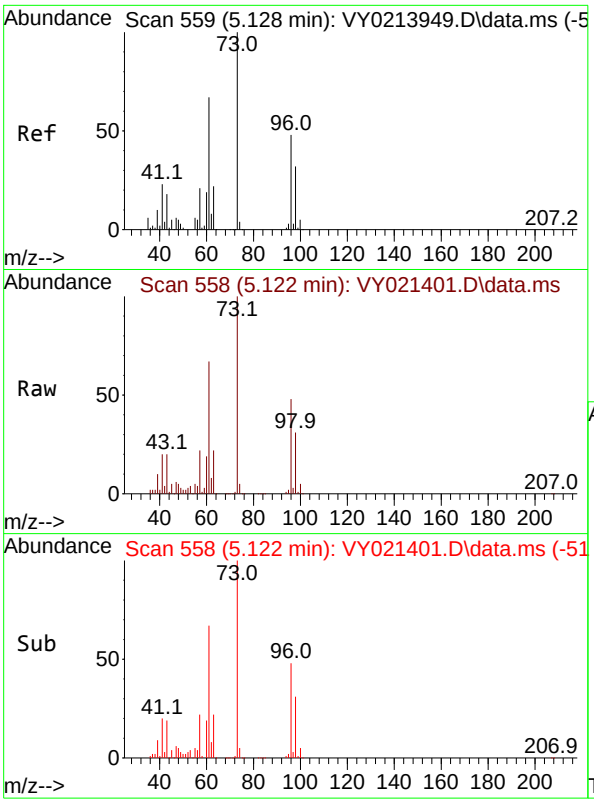


#20
Methylene Chloride
Concen: 125.603 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 84 Resp: 405442

Ion	Ratio	Lower	Upper
84	100		
49	124.4	102.0	153.0
51	38.9	33.0	49.6
86	64.5	50.5	75.7

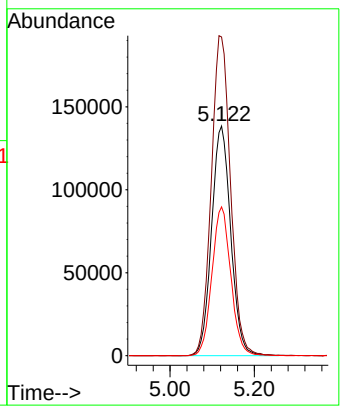




#21
trans-1,2-Dichloroethene
Concen: 142.173 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 96 Resp: 43629

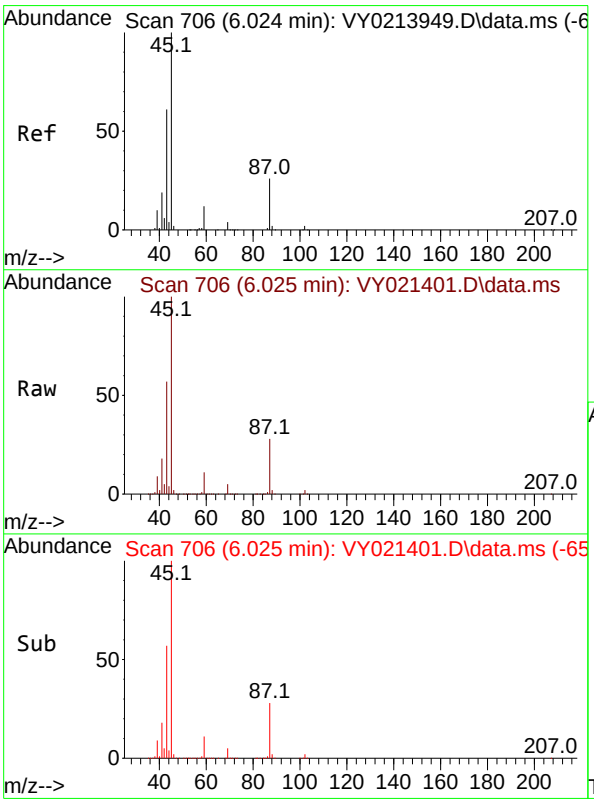
Ion	Ratio	Lower	Upper
96	100		
61	138.8	111.5	167.3
98	64.8	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

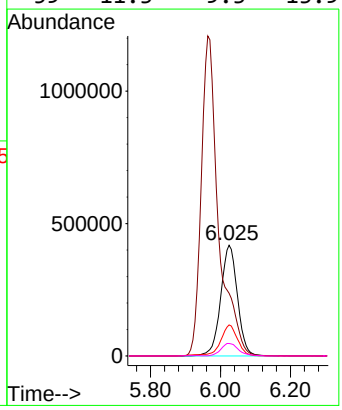
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

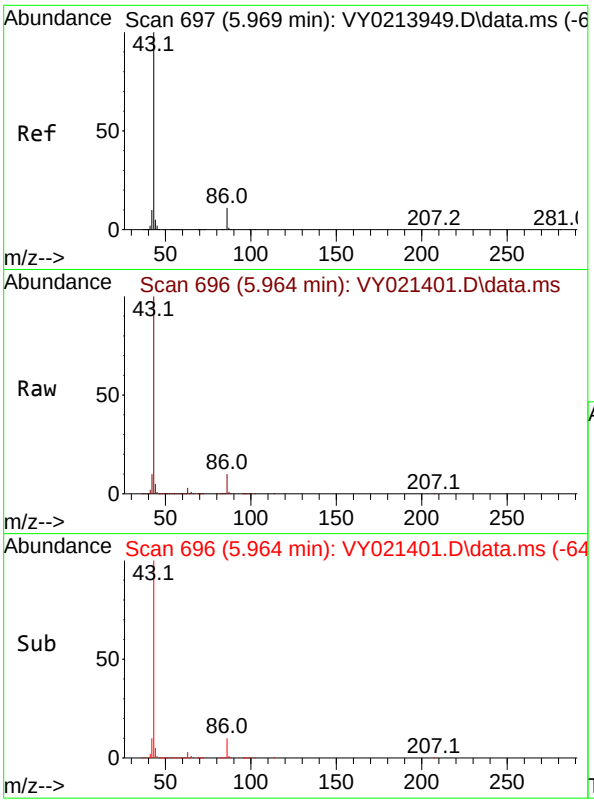


#22
Diisopropyl ether
Concen: 145.730 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 45 Resp: 1390733

Ion	Ratio	Lower	Upper
45	100		
43	56.6	48.7	73.1
87	28.0	21.5	32.3
59	11.3	9.3	13.9

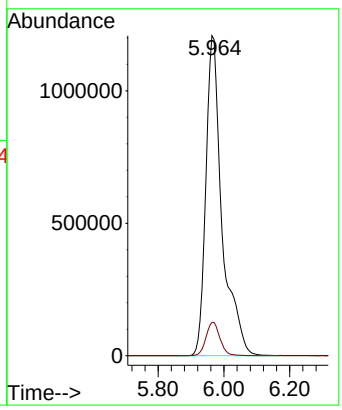




#23
Vinyl Acetate
Concen: 760.601 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 43 Resp: 414251

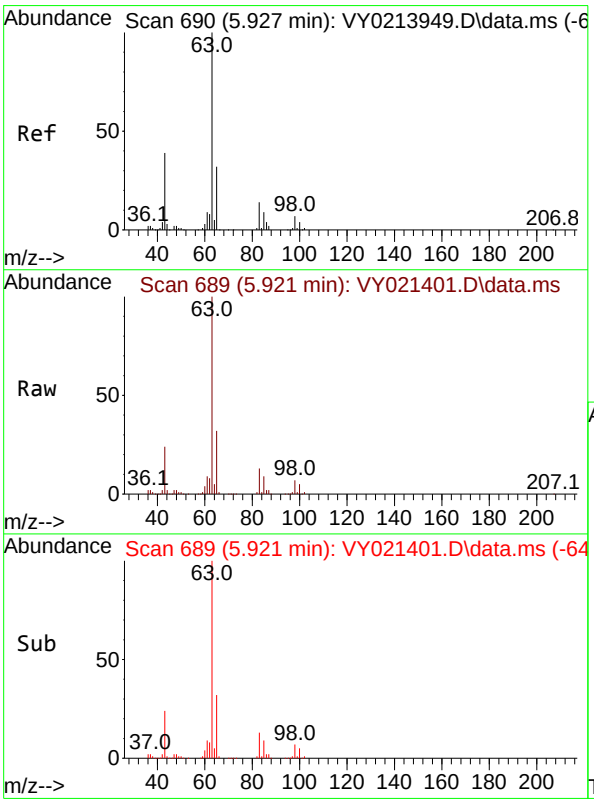
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

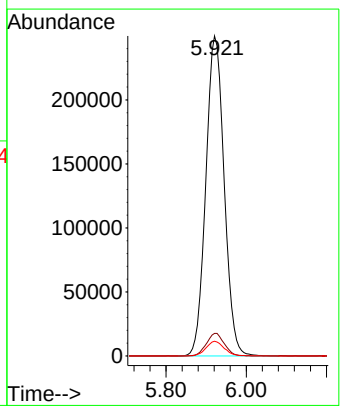
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

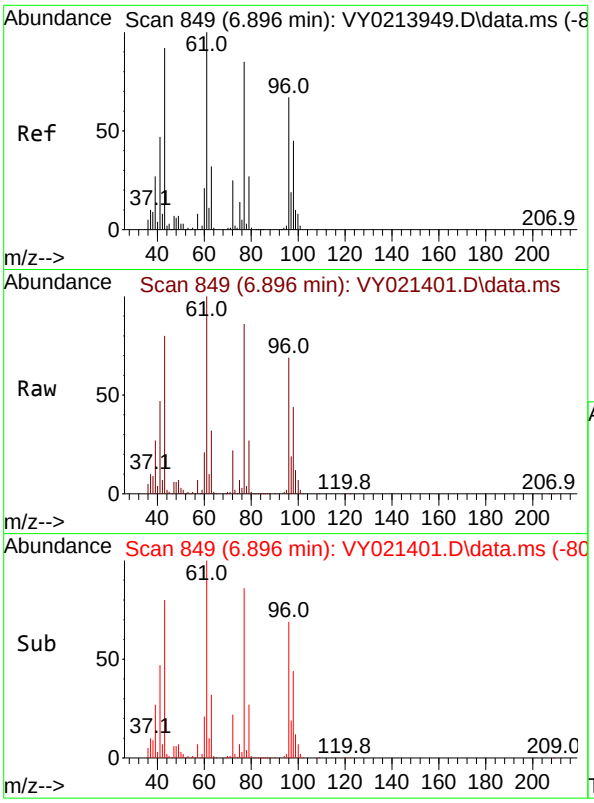


#24
1,1-Dichloroethane
Concen: 140.803 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 63 Resp: 793059

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.9
100	4.6	2.1	6.5





#25
2-Butanone
Concen: 710.631 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

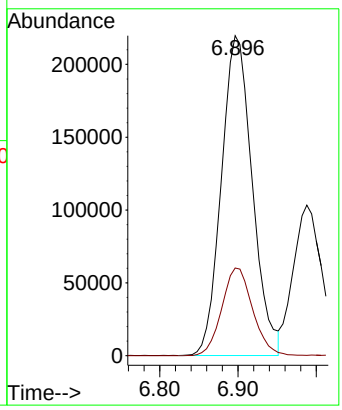
Tgt Ion: 43 Resp: 60450

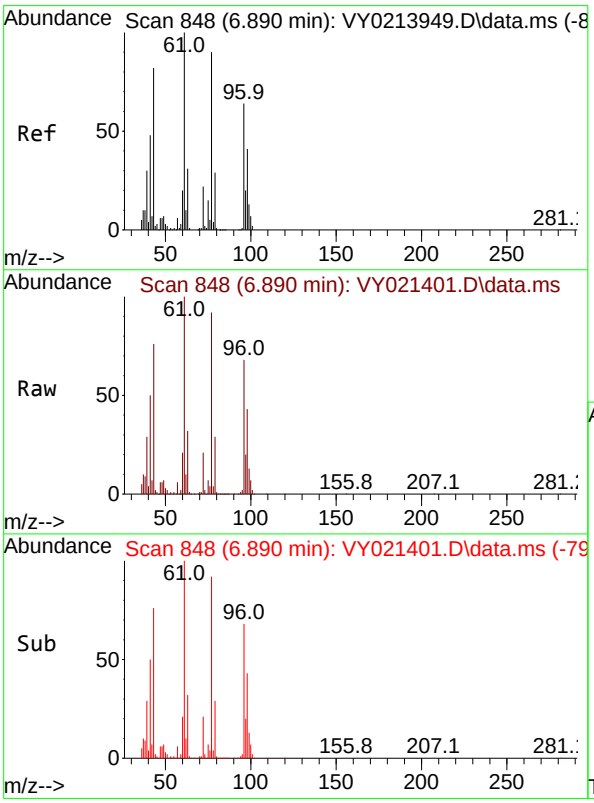
Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

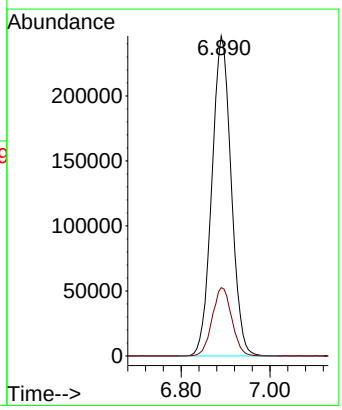


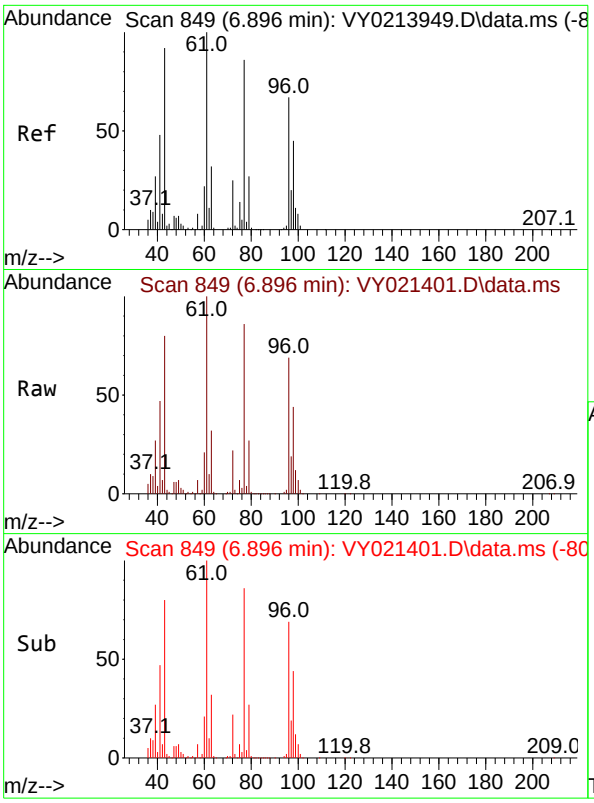


#26
2,2-Dichloropropane
Concen: 142.975 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 77 Resp: 740961

Ion	Ratio	Lower	Upper
77	100		
97	21.6	11.3	33.8

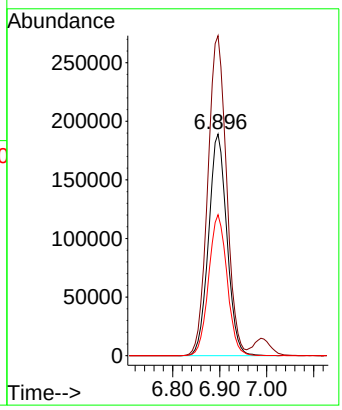




#27
cis-1,2-Dichloroethene
Concen: 146.639 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 96 Resp: 51121

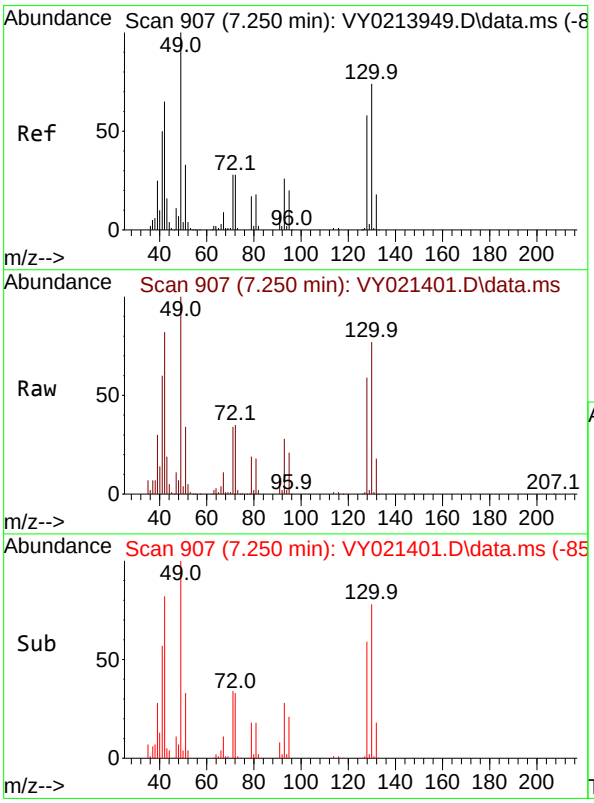
Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	300.8
98	64.2	0.0	130.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

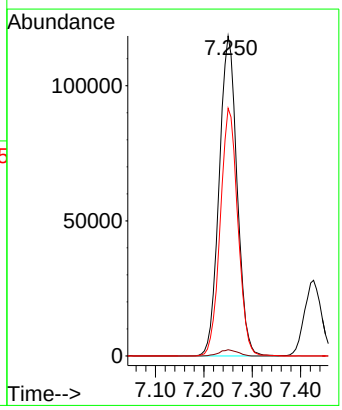
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

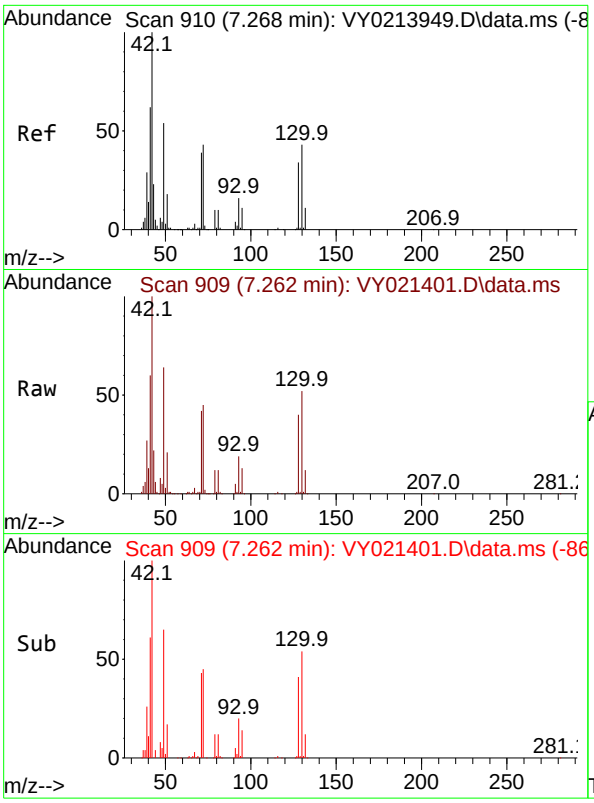


#28
Bromochloromethane
Concen: 128.781 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 49 Resp: 304092

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	76.0	59.6	89.4

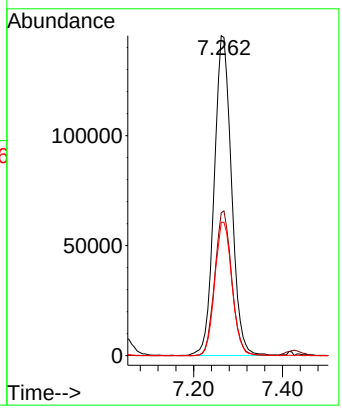




#29
Tetrahydrofuran
Concen: 746.729 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 42 Resp: 39214

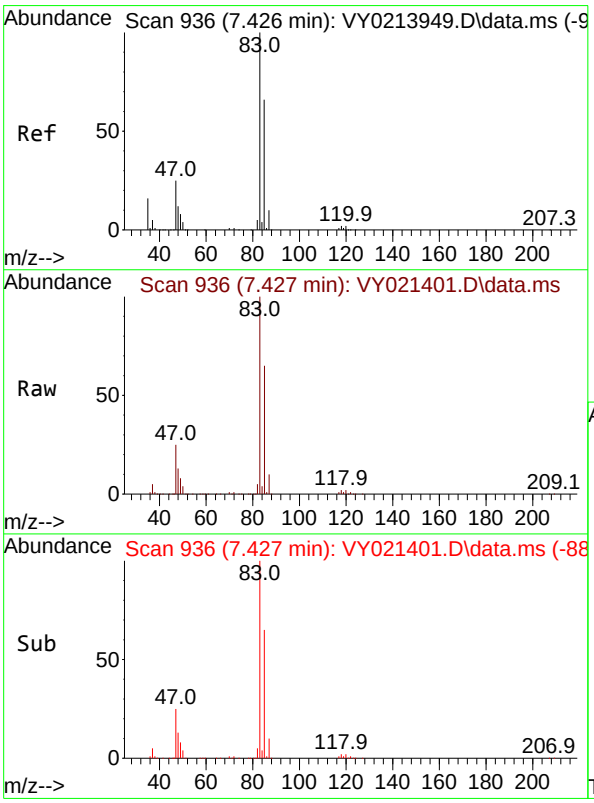
Ion	Ratio	Lower	Upper
42	100		
72	44.3	34.8	52.2
71	41.6	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

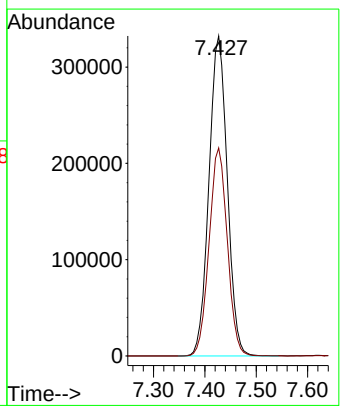
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

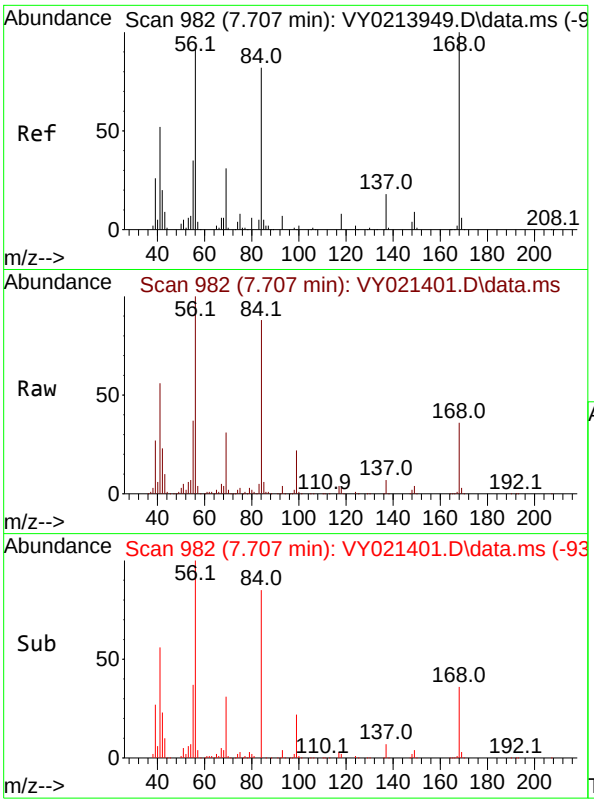


#30
Chloroform
Concen: 140.790 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 83 Resp: 823431

Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.1	79.7





#31
Cyclohexane
Concen: 138.566 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

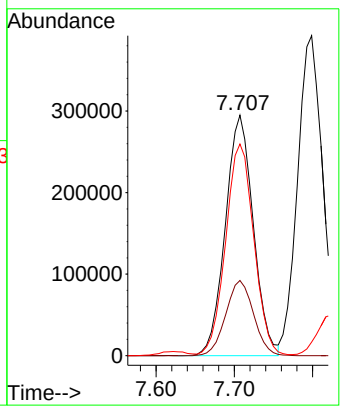
Tgt Ion: 56 Resp: 73168

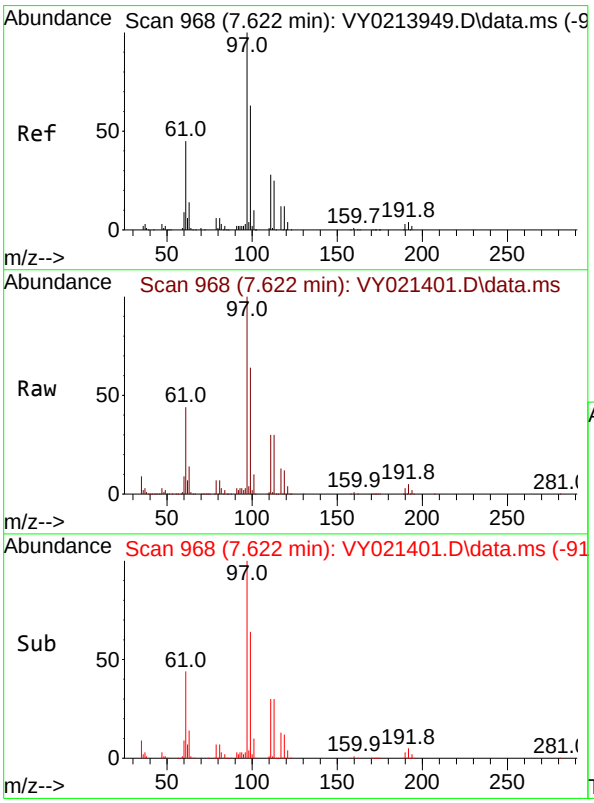
Ion	Ratio	Lower	Upper
56	100		
69	31.3	27.0	40.4
84	86.5	71.1	106.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

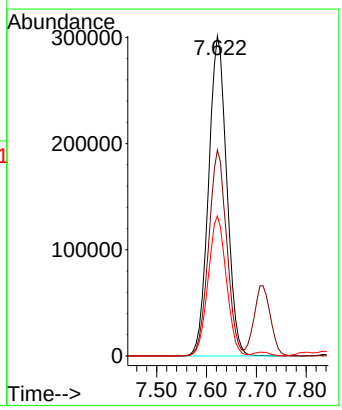


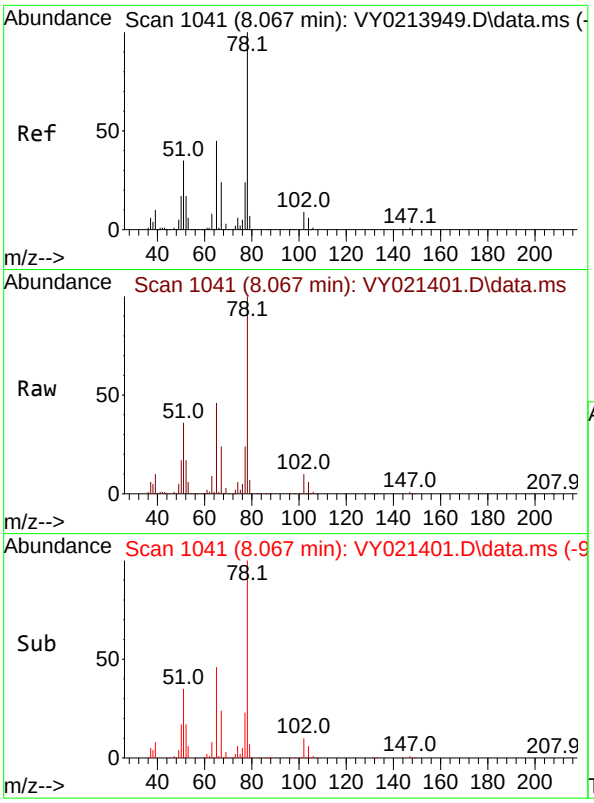


#32
1,1,1-Trichloroethane
Concen: 142.442 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 97 Resp: 762807

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	43.9	35.7	53.5





#33
1,2-Dichloroethane-d4
Concen: 135.494 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

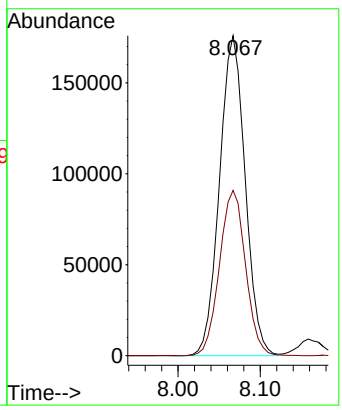
Tgt Ion: 65 Resp: 38201

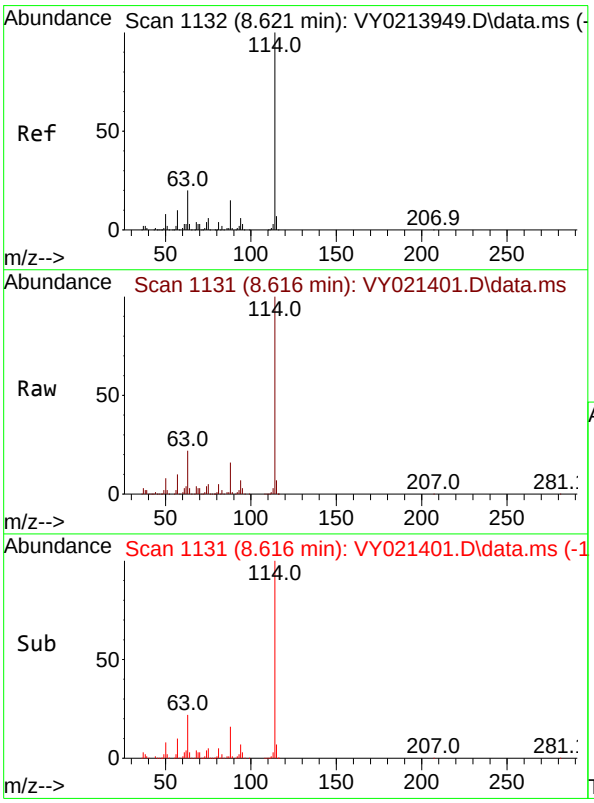
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

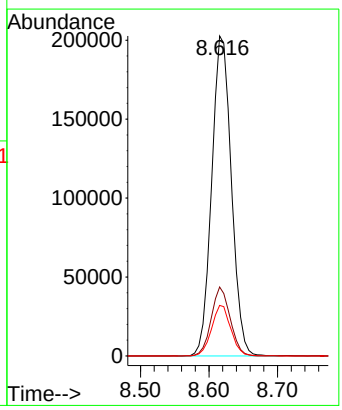


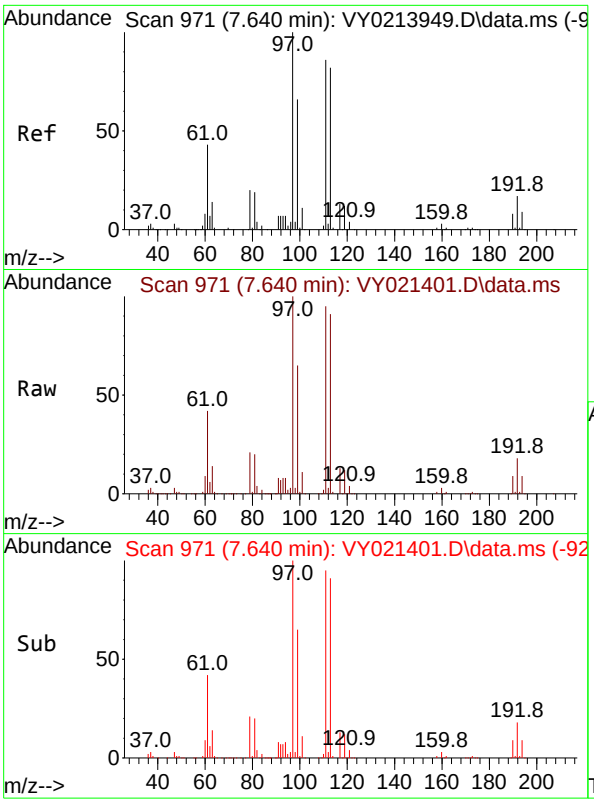


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:114 Resp: 403017

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	40.8
88	15.8	0.0	30.8

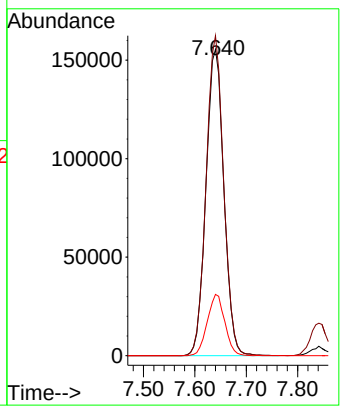




#35
Dibromofluoromethane
Concen: 142.080 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:113 Resp: 37638

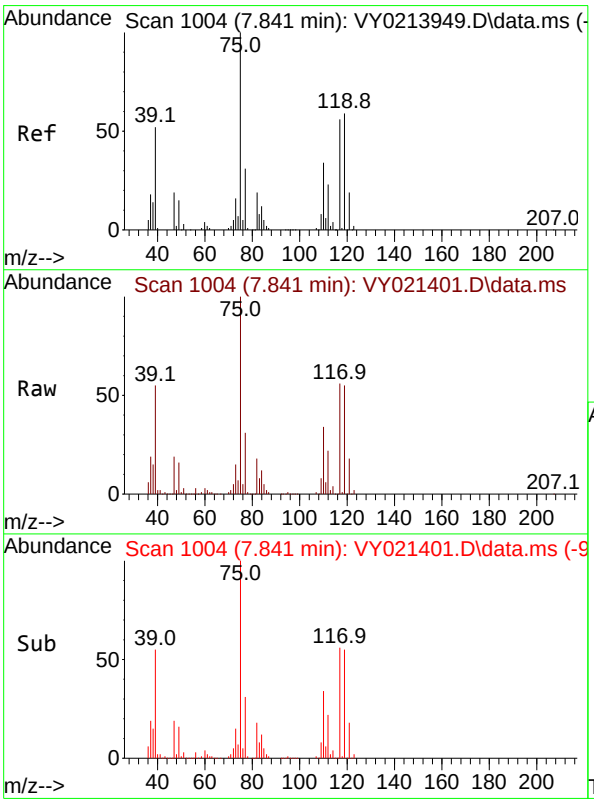
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	19.6	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

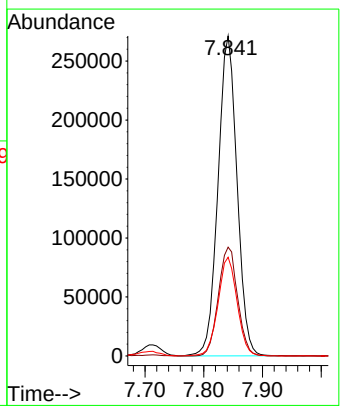
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

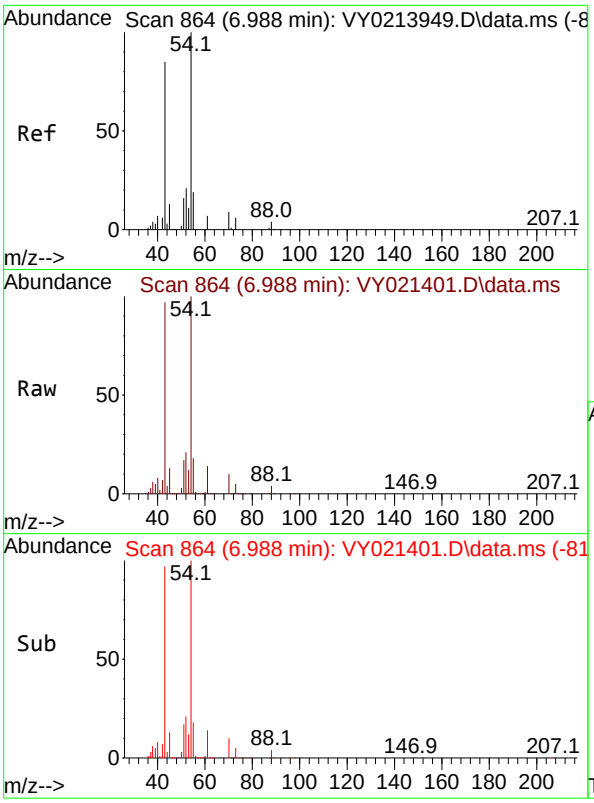


#36
1,1-Dichloropropene
Concen: 147.009 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 75 Resp: 609596

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	51.7
77	31.1	25.4	38.2





#37
Ethyl Acetate
Concen: 145.189 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

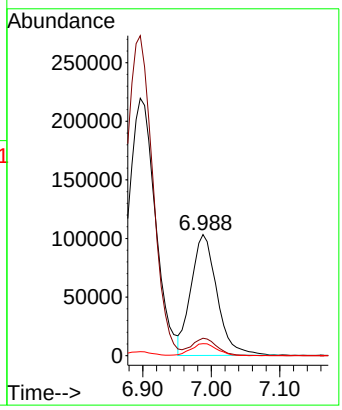
Tgt Ion: 43 Resp: 27157

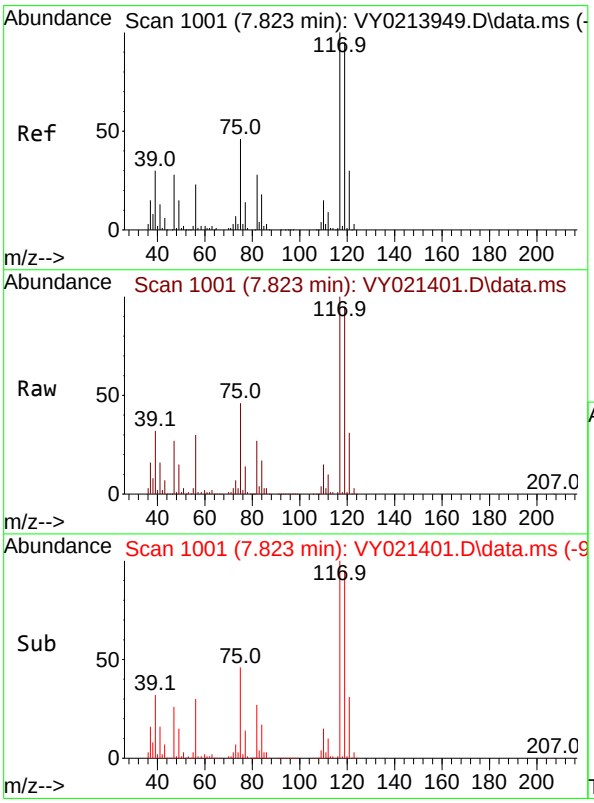
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.4	17.0
70	10.1	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

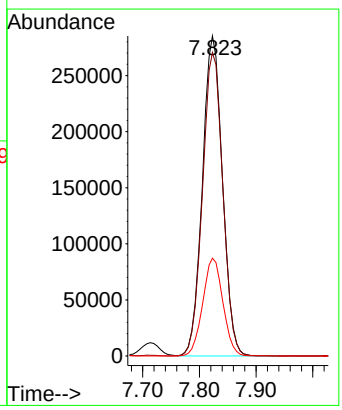


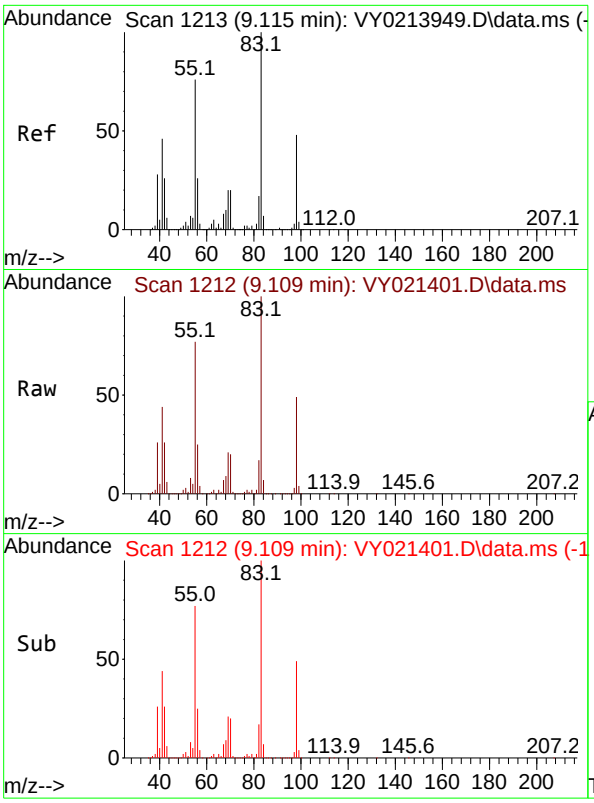


#38
Carbon Tetrachloride
Concen: 146.916 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:117 Resp: 700638

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
121	30.6	23.9	35.9





#39
Methylcyclohexane
Concen: 158.954 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

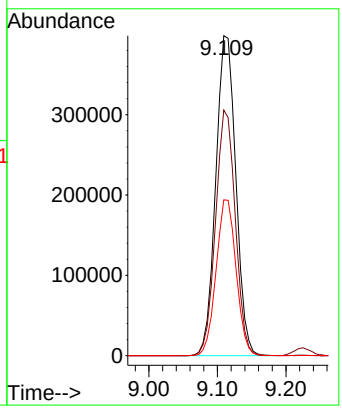
Tgt Ion: 83 Resp: 80849

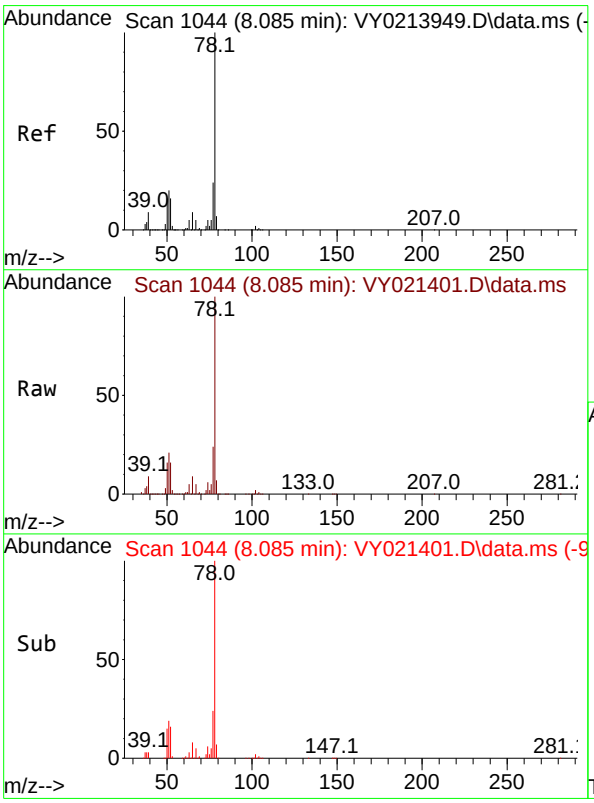
Ion	Ratio	Lower	Upper
83	100		
55	76.7	60.7	91.1
98	48.7	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

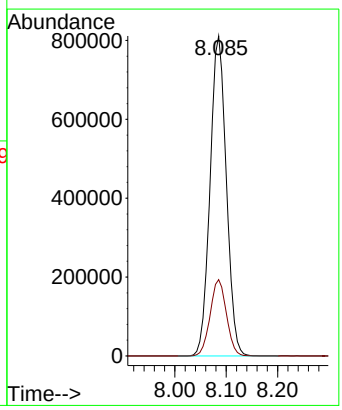


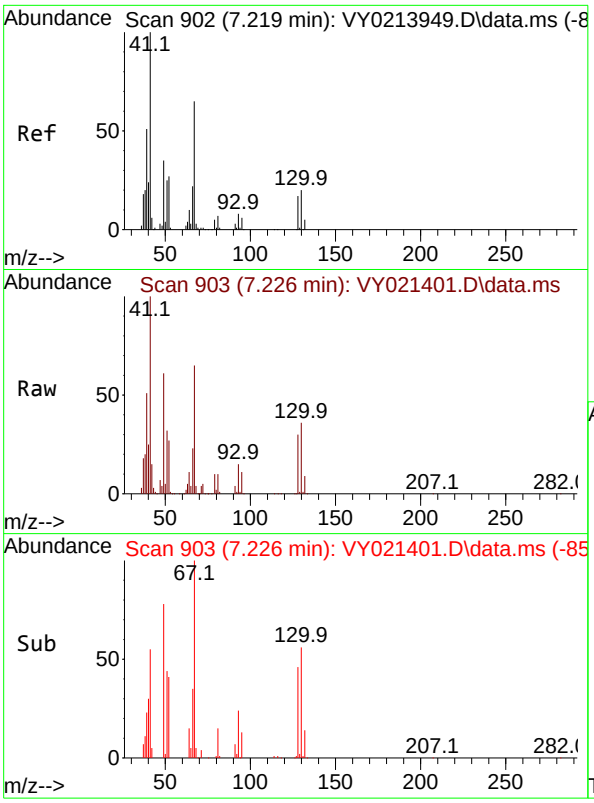


#40
Benzene
Concen: 145.818 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 78 Resp: 1781188

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4

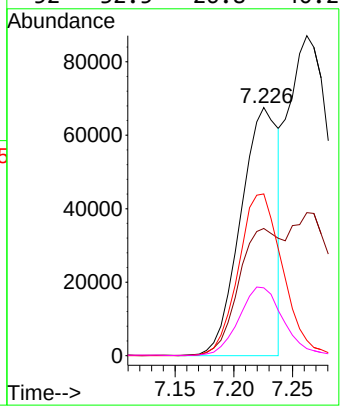




#41
Methacrylonitrile
Concen: 147.676 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 41 Resp: 15045

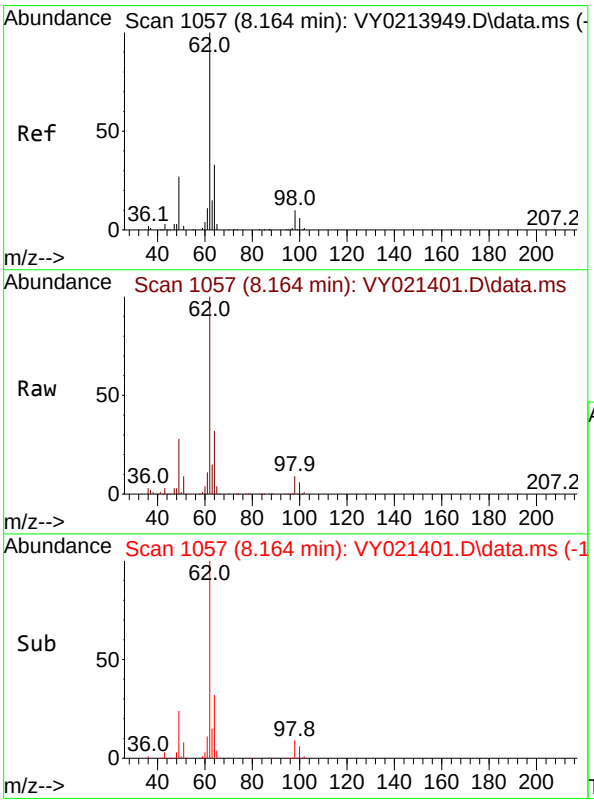
Ion	Ratio	Lower	Upper
41	100		
39	61.1	35.0	52.6
67	76.9	61.2	91.8
52	32.5	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

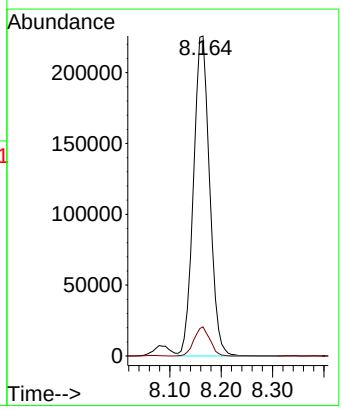
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

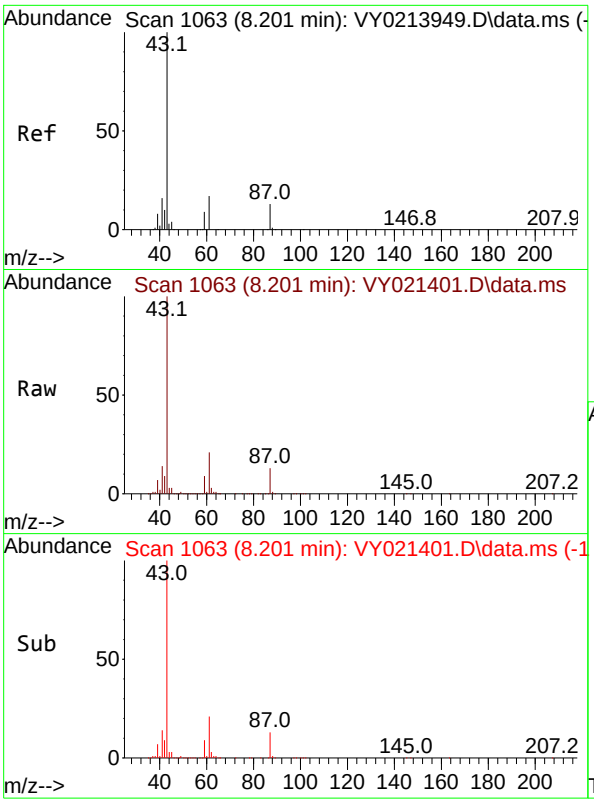


#42
1,2-Dichloroethane
Concen: 144.299 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 62 Resp: 493103

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





#43
Isopropyl Acetate
Concen: 156.557 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

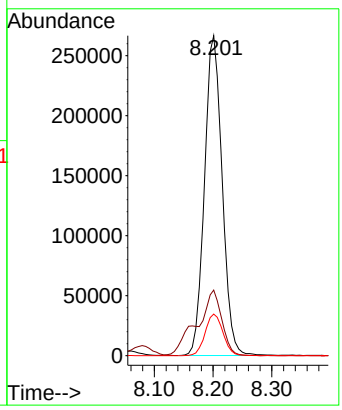
Tgt Ion: 43 Resp: 55701

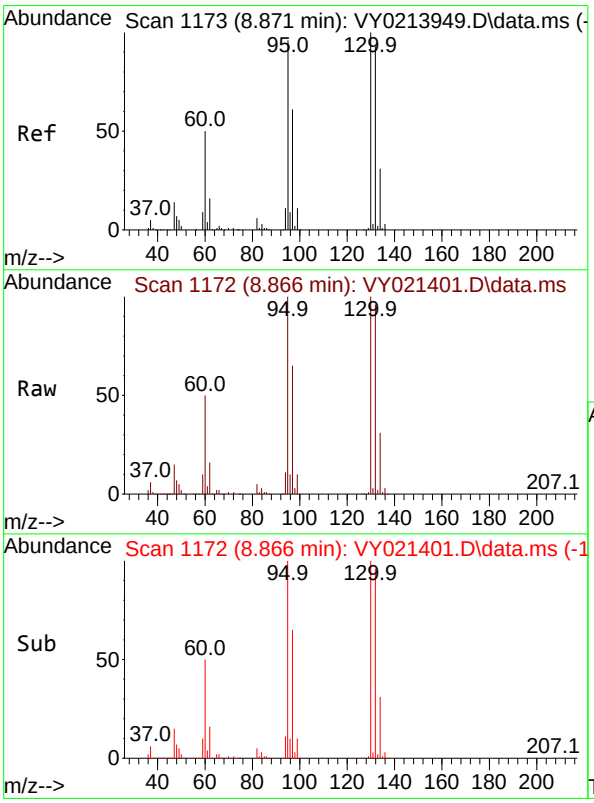
Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.4	35.0
87	13.2	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

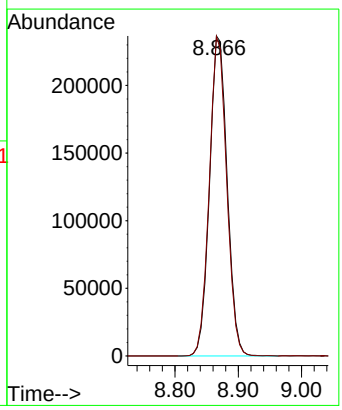


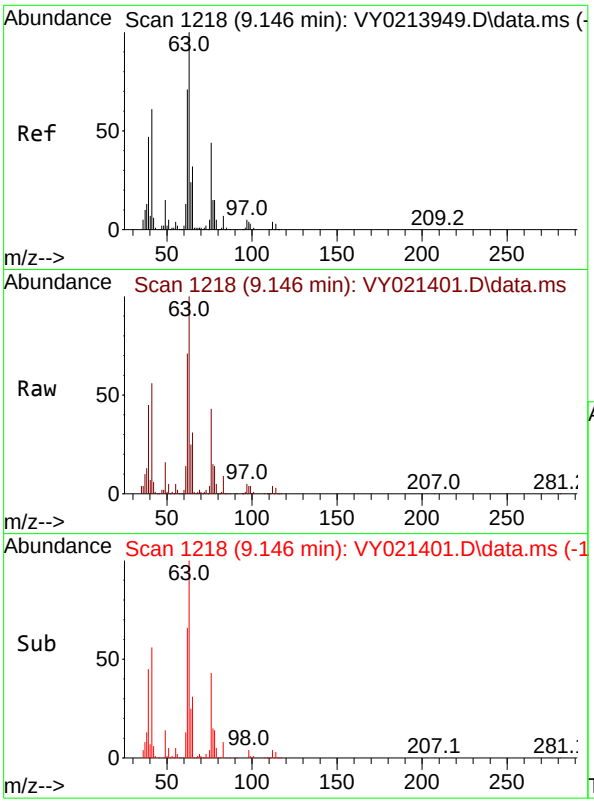


#44
Trichloroethene
Concen: 148.000 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:130 Resp: 456841

Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	191.6

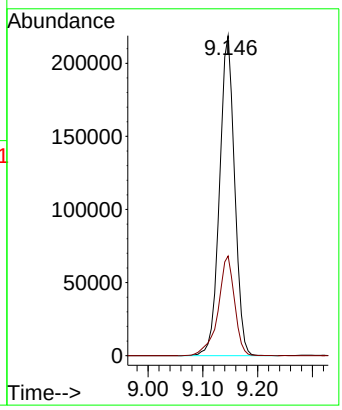




#45
1,2-Dichloropropane
Concen: 144.273 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 63 Resp: 41943

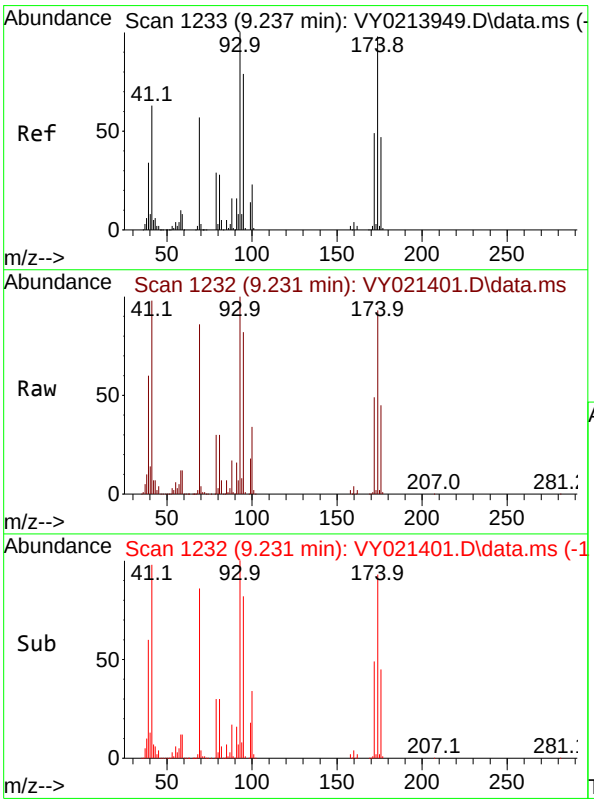
Ion	Ratio	Lower	Upper
63	100		
65	31.1	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

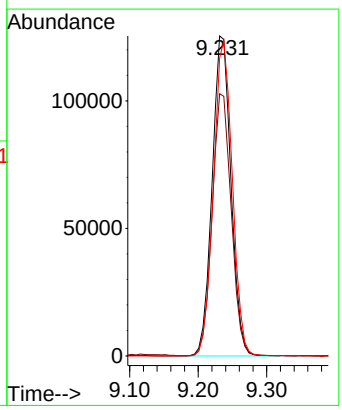
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

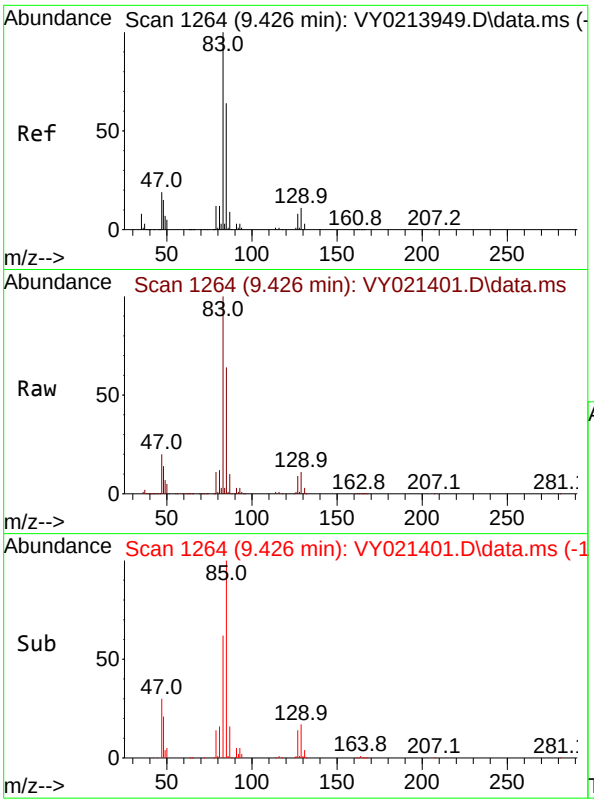


#46
Dibromomethane
Concen: 148.107 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 93 Resp: 239577

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.8	98.8
174	98.4	77.9	116.9

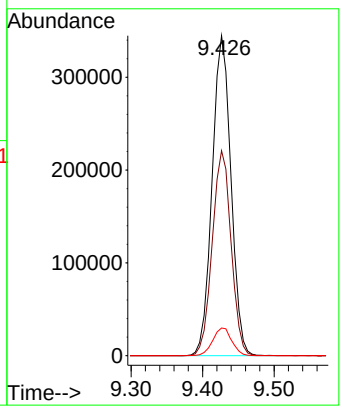




#47
Bromodichloromethane
Concen: 146.641 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 83 Resp: 62994

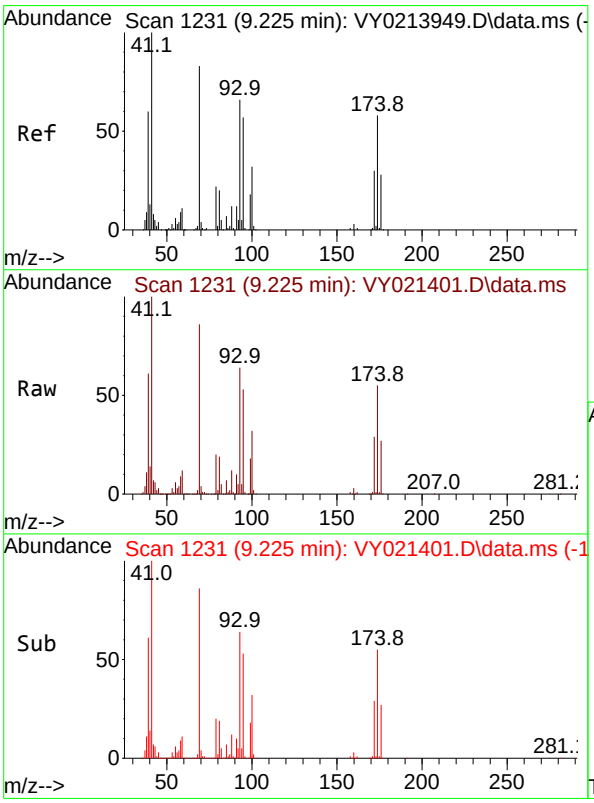
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	8.6	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

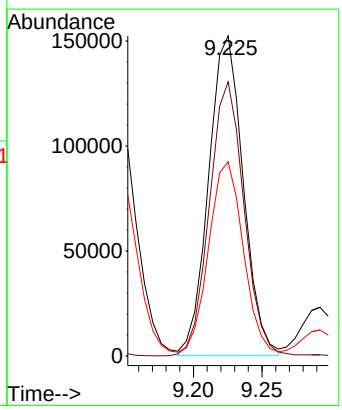
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

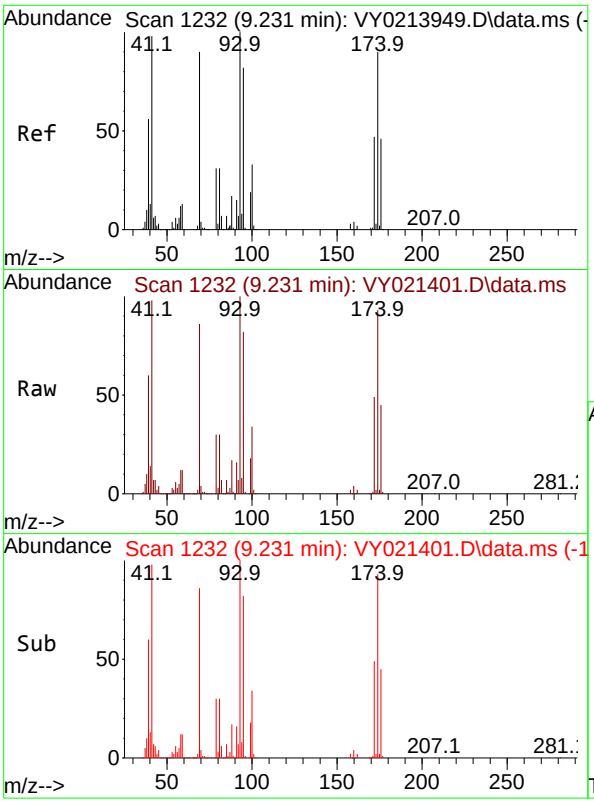


#48
Methyl methacrylate
Concen: 162.482 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 41 Resp: 268043

Ion	Ratio	Lower	Upper
41	100		
69	85.6	67.8	101.8
39	58.7	46.4	69.6





#49
1,4-Dioxane
Concen: 3238.027 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

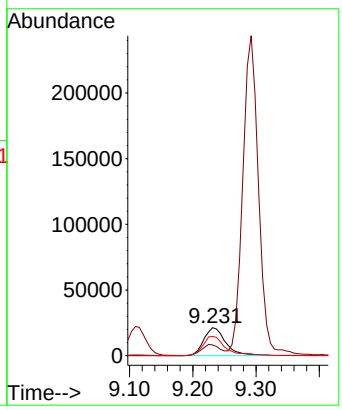
Tgt Ion: 88 Resp: 5141

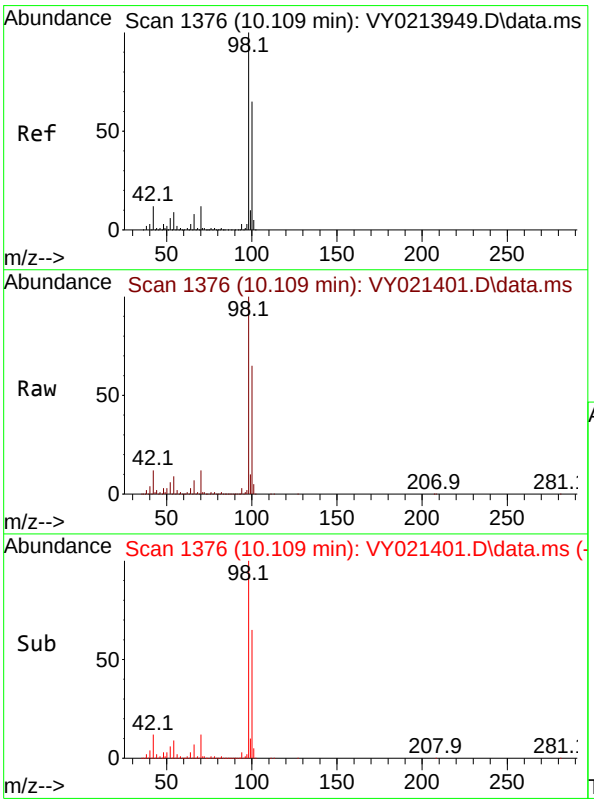
Ion	Ratio	Lower	Upper
88	100		
43	33.1	25.0	37.4
58	71.8	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

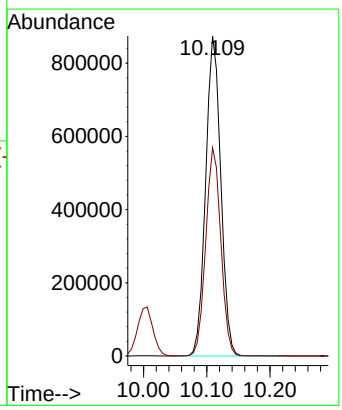


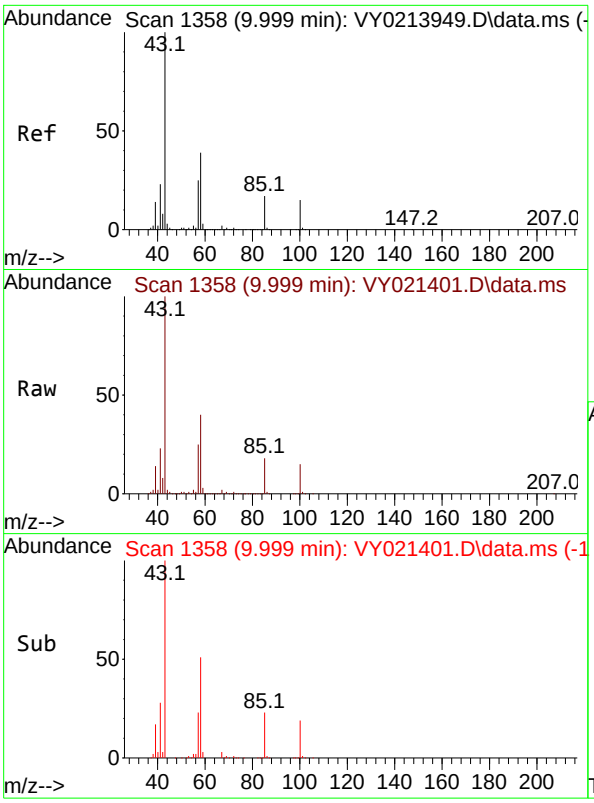


#50
Toluene-d8
Concen: 144.978 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 98 Resp: 1454175

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 800.119 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

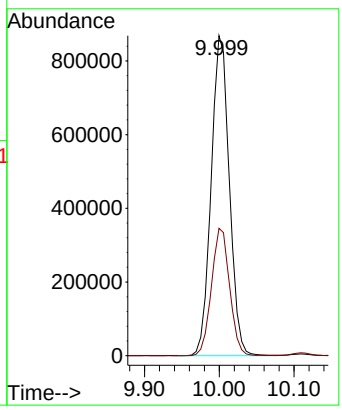
Tgt Ion: 43 Resp: 146881

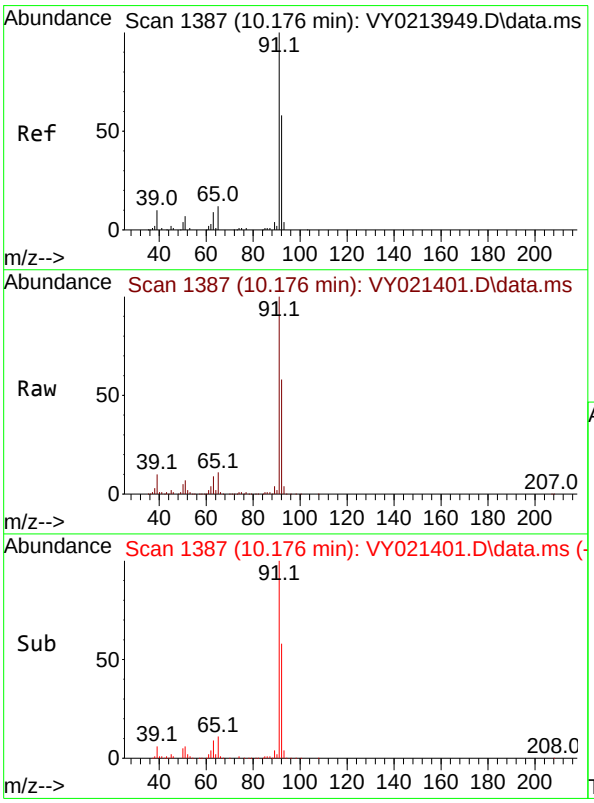
Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

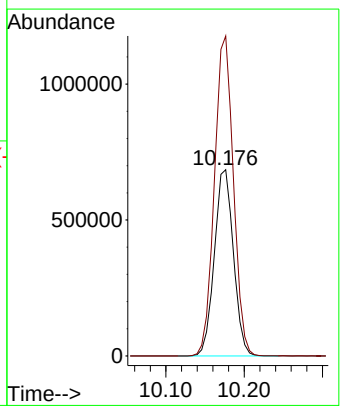


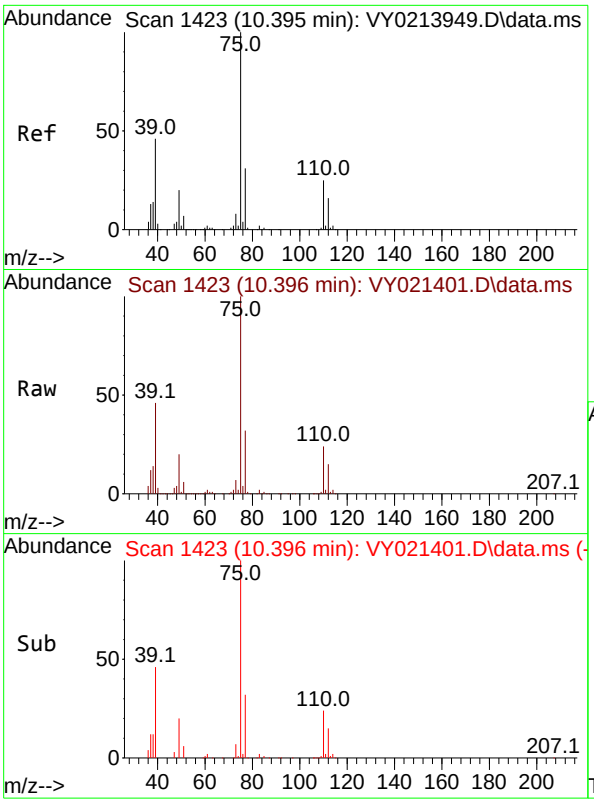


#52
Toluene
Concen: 150.411 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 92 Resp: 1158338

Ion	Ratio	Lower	Upper
92	100		
91	171.2	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 158.120 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

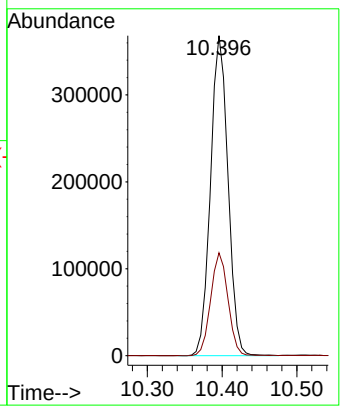
Tgt Ion: 75 Resp: 59843

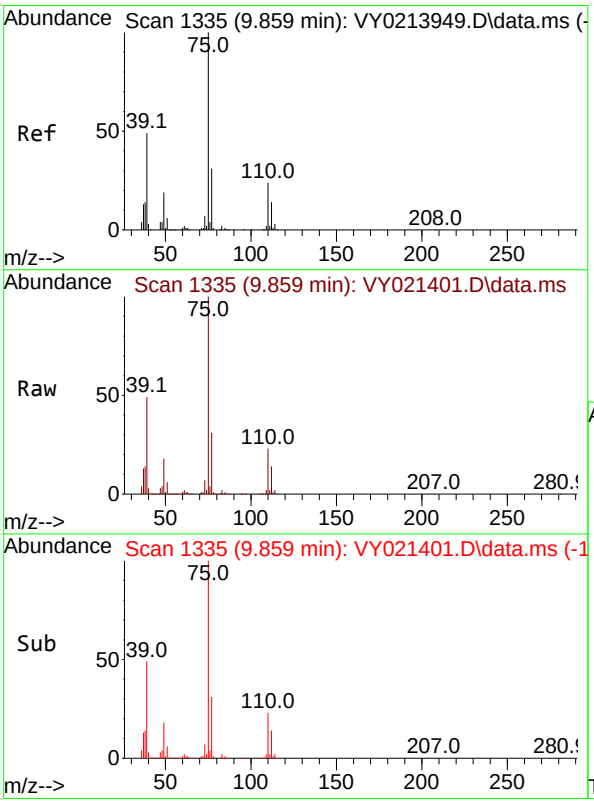
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

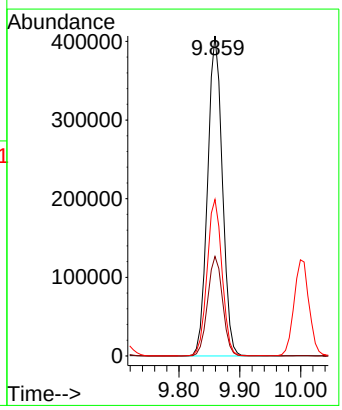


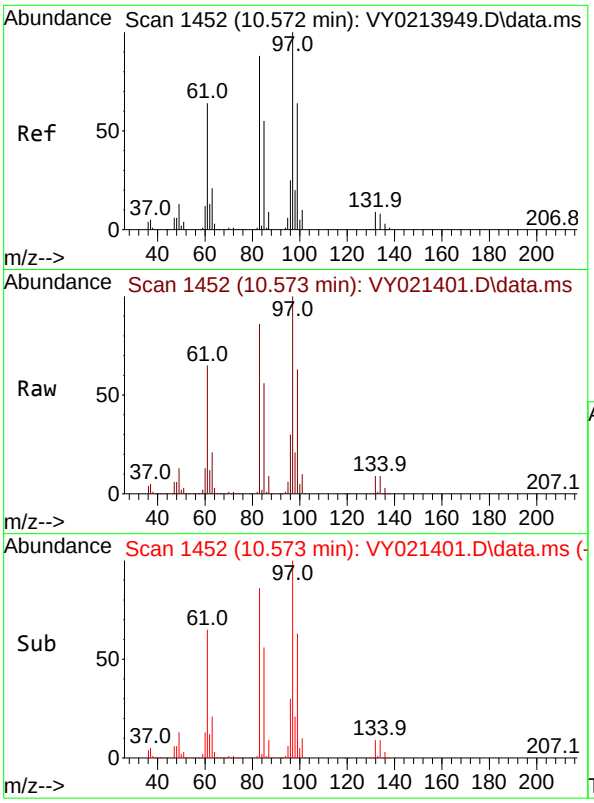


#54
cis-1,3-Dichloropropene
Concen: 152.359 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 75 Resp: 684617

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	37.0
39	48.9	39.4	59.2

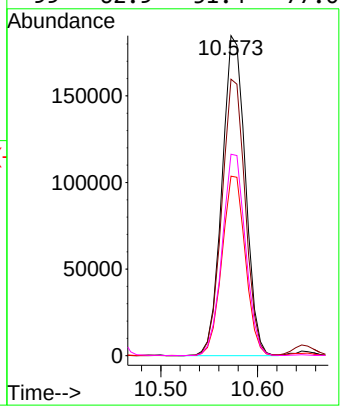




#55
1,1,2-Trichloroethane
Concen: 146.586 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 97 Resp: 31017

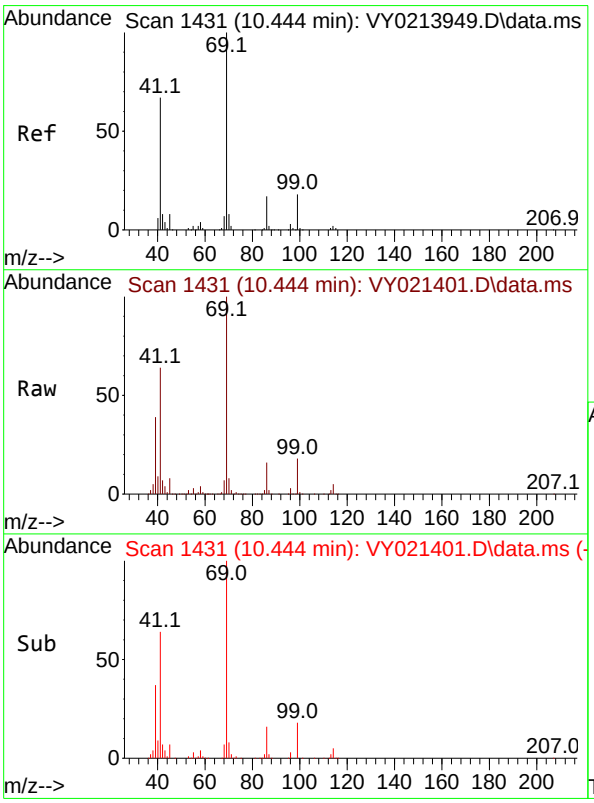
Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.0	105.0
85	56.1	44.3	66.5
99	62.9	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

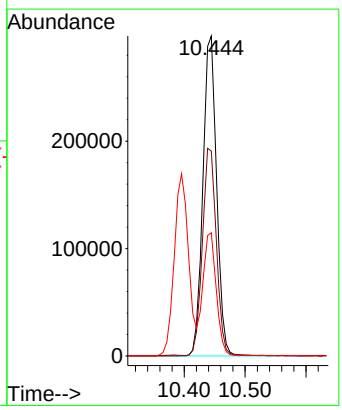
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

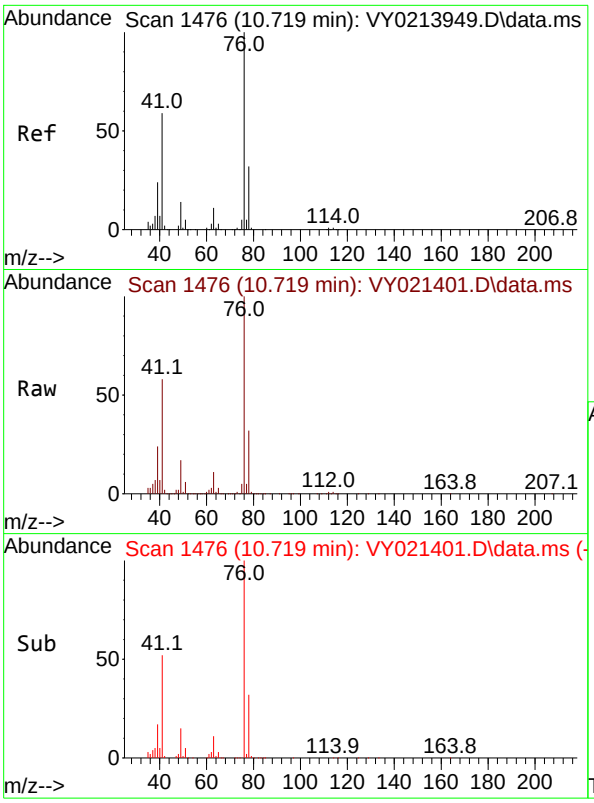


#56
Ethyl methacrylate
Concen: 172.939 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 69 Resp: 466697

Ion	Ratio	Lower	Upper
69	100		
41	65.8	53.3	79.9
39	37.5	31.0	46.6





#57
1,3-Dichloropropane
Concen: 148.802 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

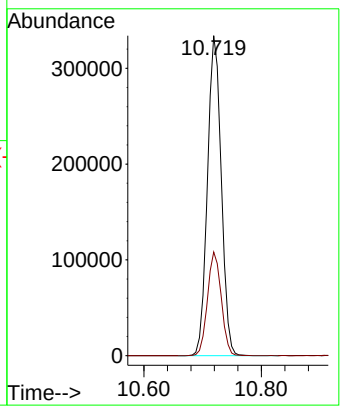
Tgt Ion: 76 Resp: 54571

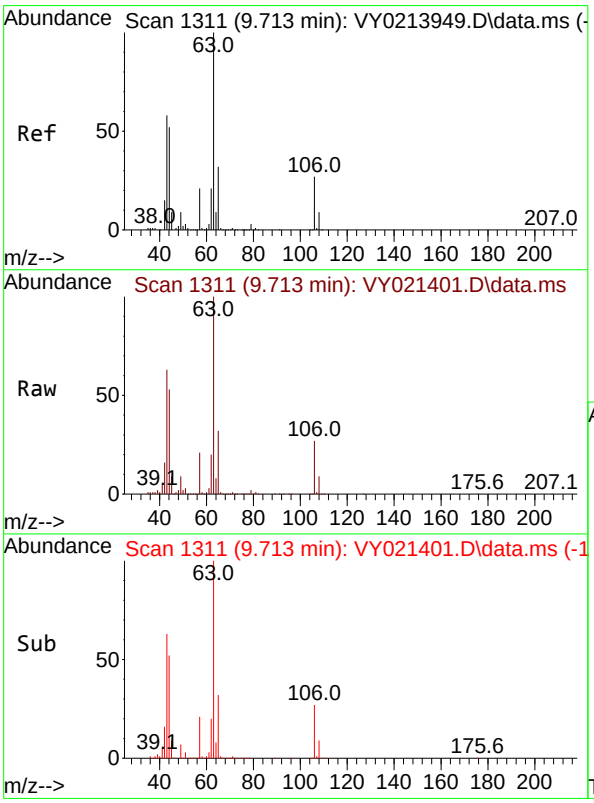
Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

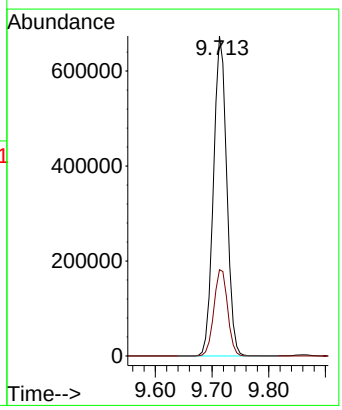


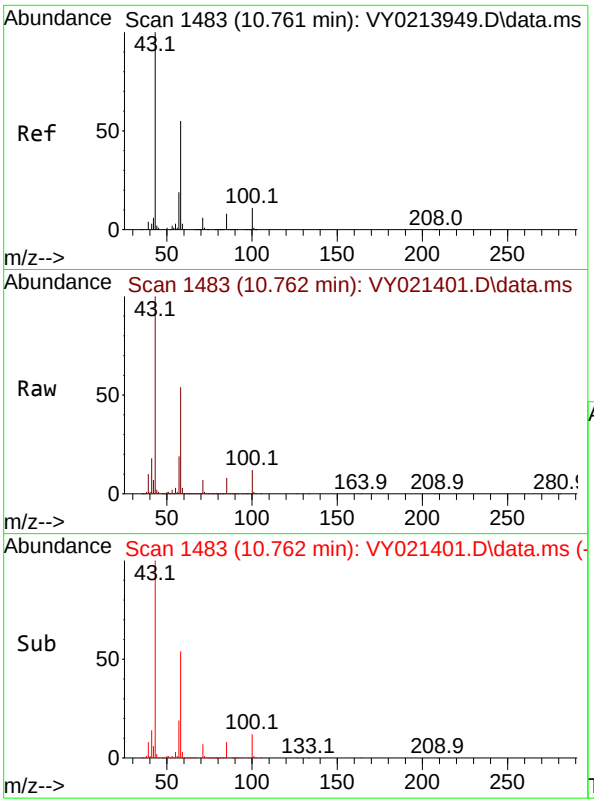


#58
2-Chloroethyl Vinyl ether
Concen: 878.264 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 63 Resp: 1094099

Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.1	33.1





#59
2-Hexanone
Concen: 810.617 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

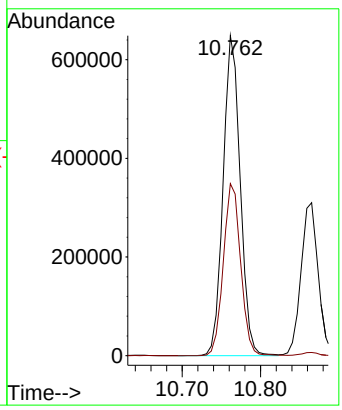
Tgt Ion: 43 Resp: 98395

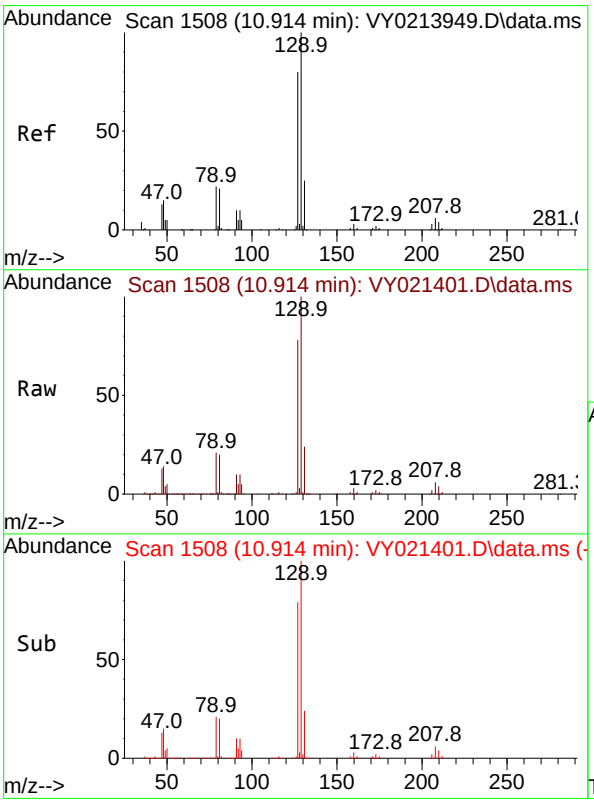
Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

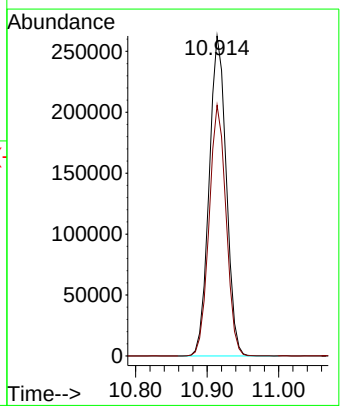


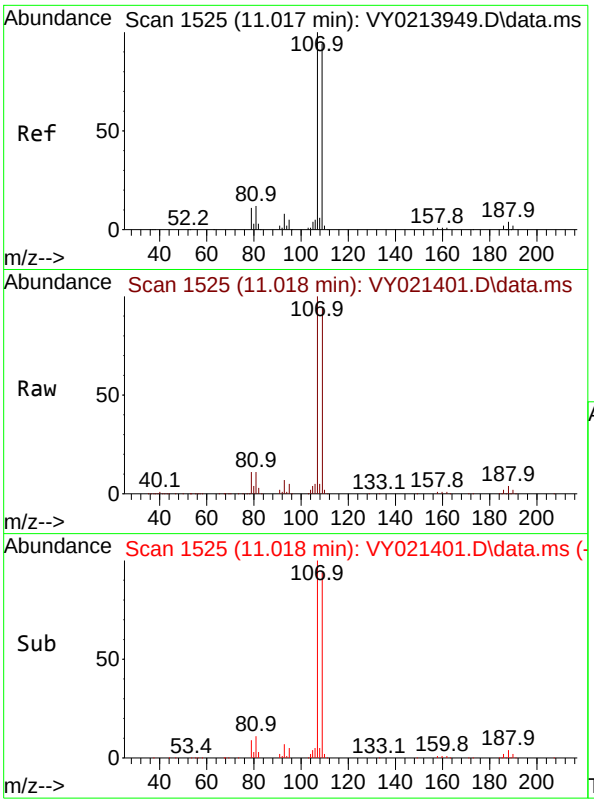


#60
Dibromochloromethane
Concen: 150.595 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:129 Resp: 436855

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.3





#61
1,2-Dibromoethane
Concen: 149.635 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

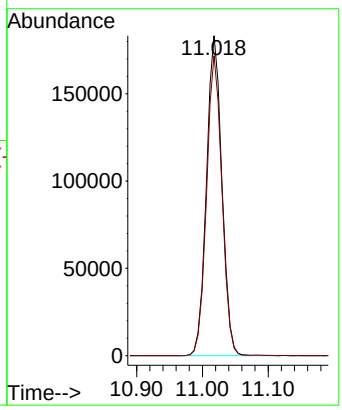
Tgt Ion:107 Resp: 29882

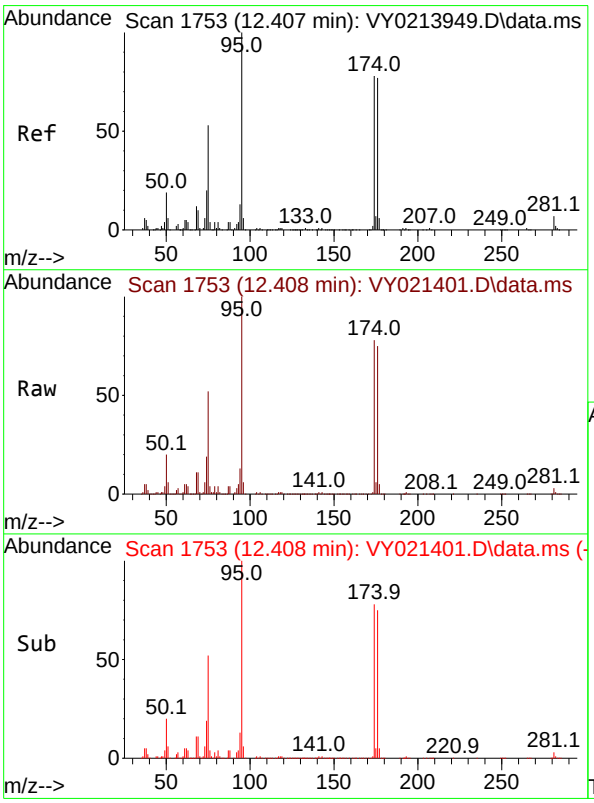
Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

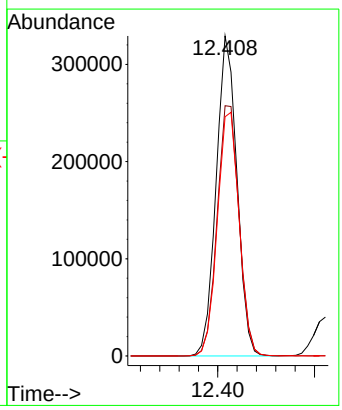


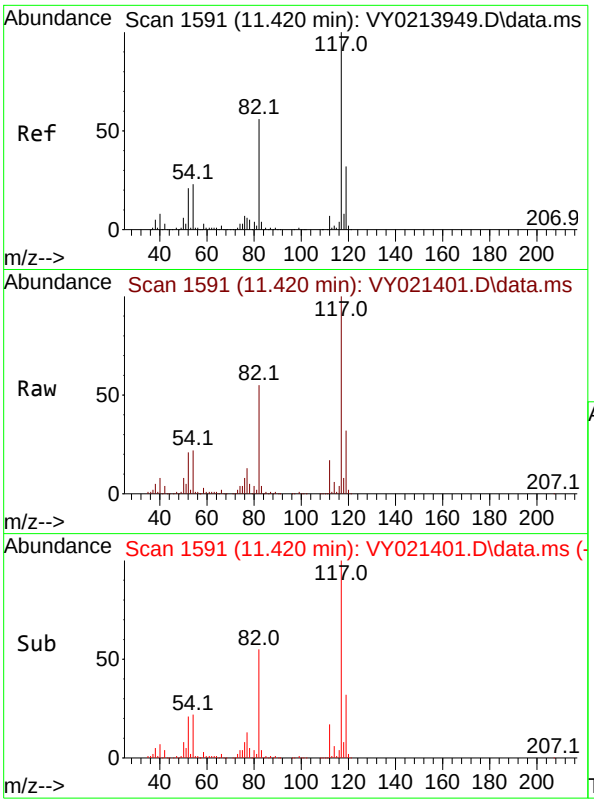


#62
4-Bromofluorobenzene
Concen: 143.450 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 95 Resp: 489437

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	165.0
176	79.9	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

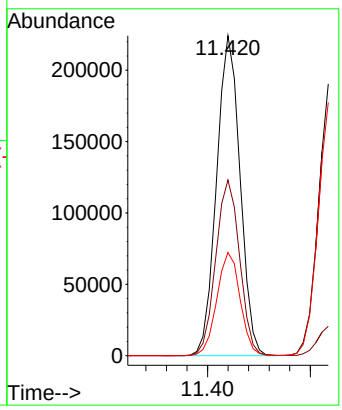
Tgt Ion:117 Resp: 35582

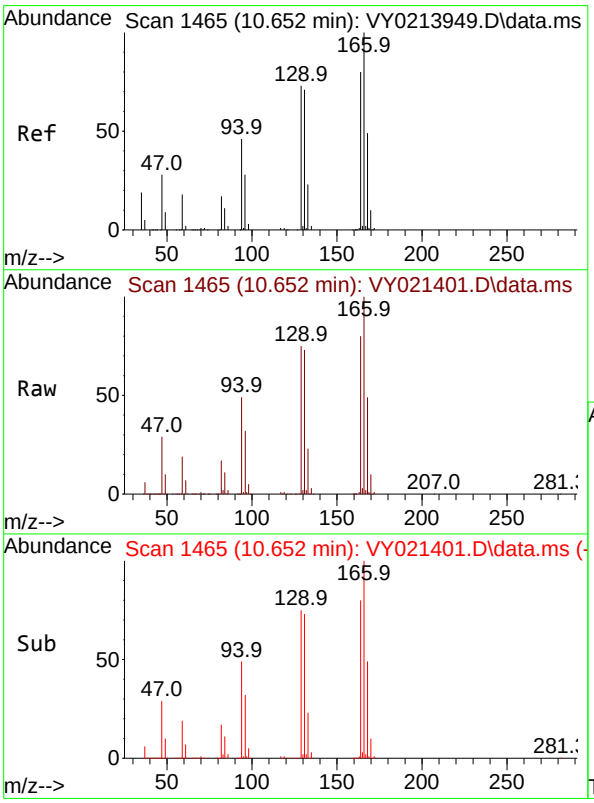
Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	67.0
119	32.2	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

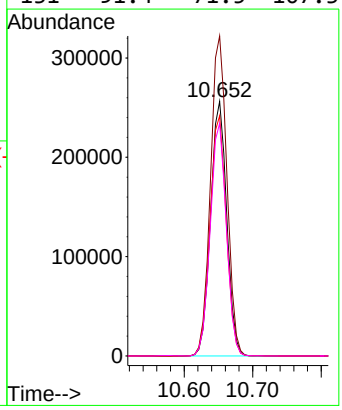


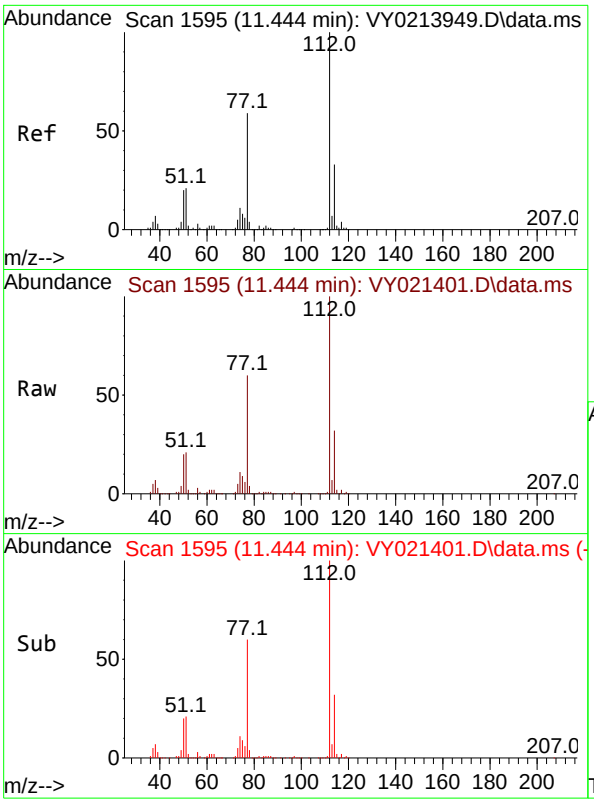


#64
Tetrachloroethene
Concen: 144.847 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:164 Resp: 419107

Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.4	150.6
129	94.4	73.8	110.8
131	91.4	71.5	107.3





#65
Chlorobenzene
Concen: 147.949 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

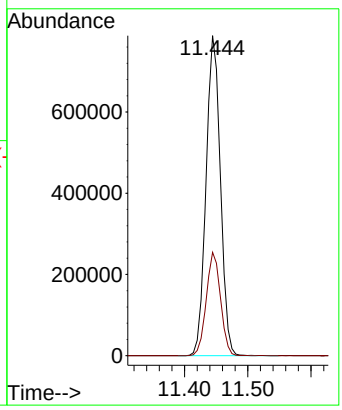
Tgt Ion:112 Resp: 124316

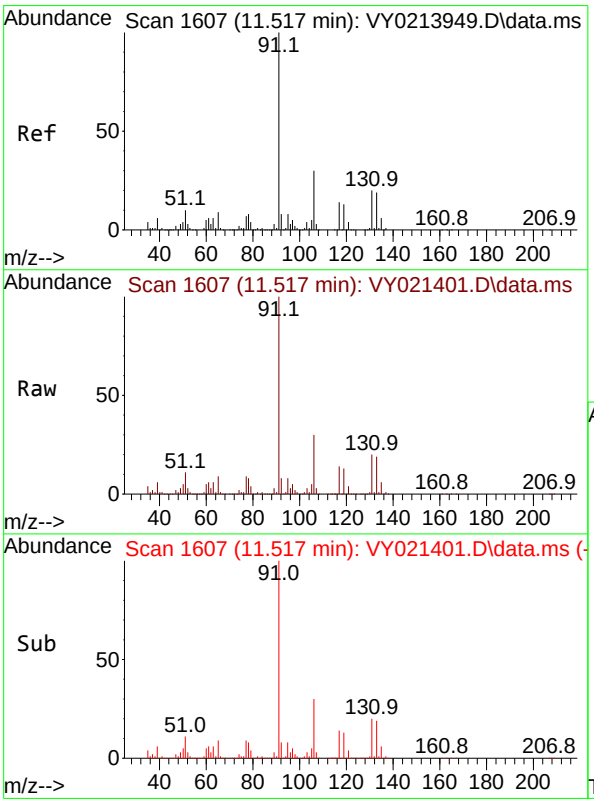
Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

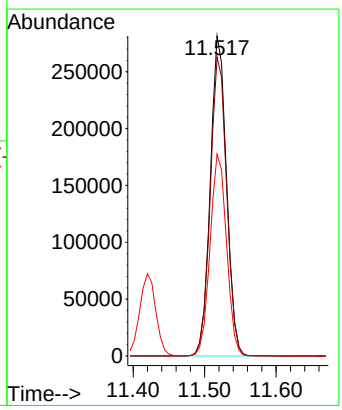


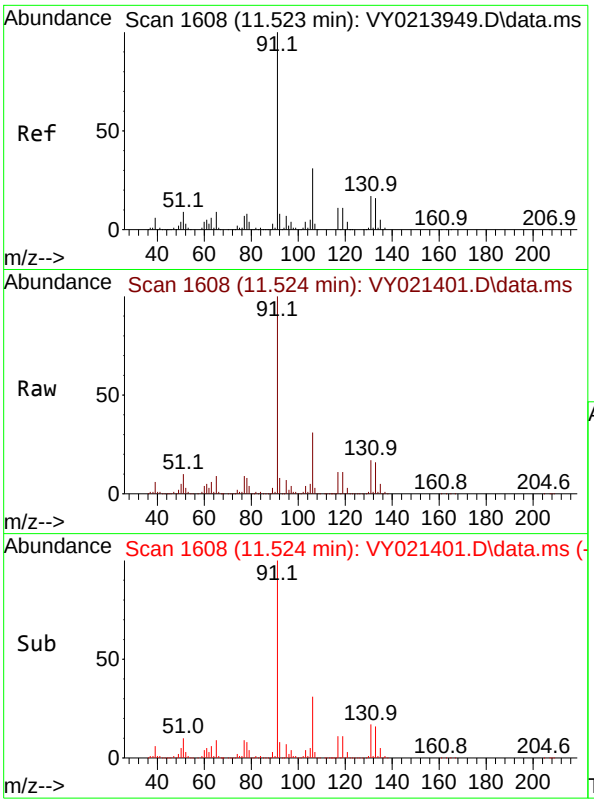


#66
1,1,1,2-Tetrachloroethane
Concen: 148.911 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:131 Resp: 442377

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.6	142.9
119	64.2	32.3	96.9





#67
Ethyl Benzene
Concen: 155.358 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

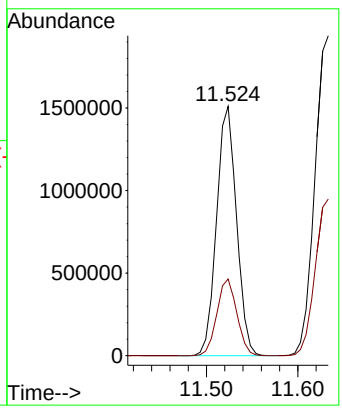
Tgt Ion: 91 Resp: 229126

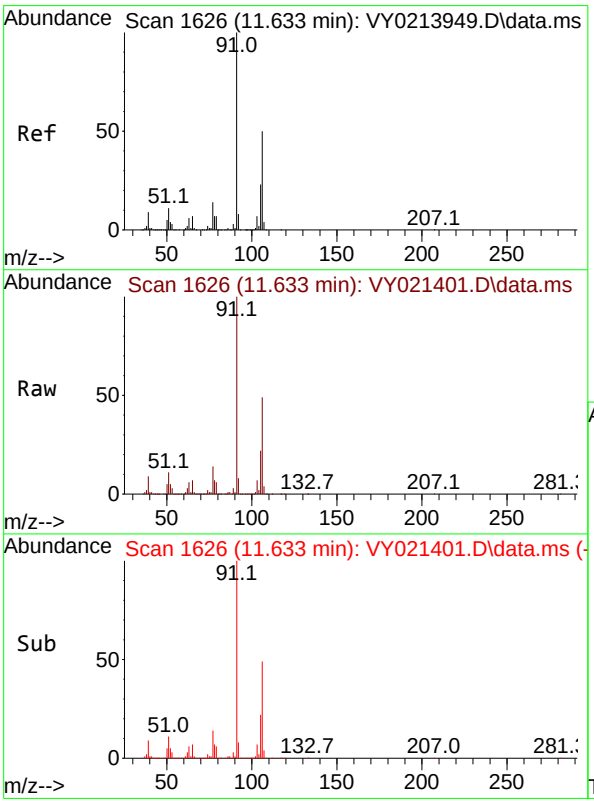
Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

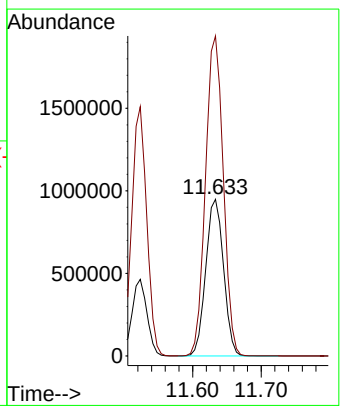


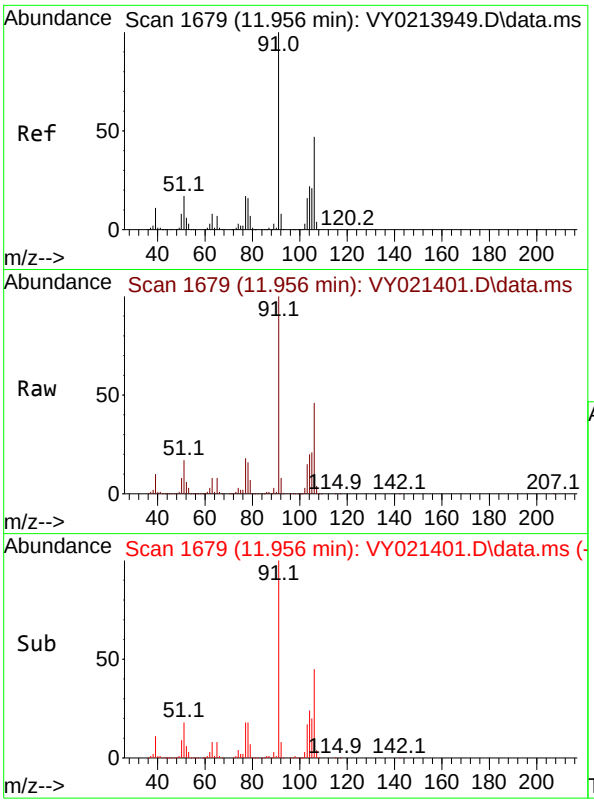


#68
m/p-Xylenes
Concen: 306.103 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:106 Resp: 1713936

Ion	Ratio	Lower	Upper
106	100		
91	204.1	161.7	242.5





#69
o-Xylene
Concen: 156.057 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

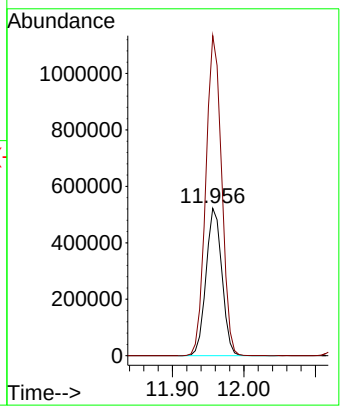
Tgt Ion:106 Resp: 80532

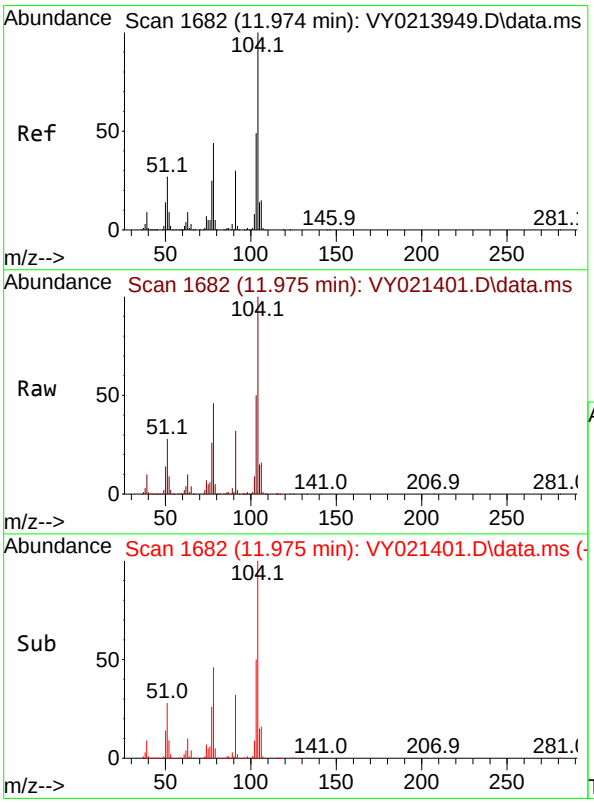
Ion	Ratio	Lower	Upper
106	100		
91	216.4	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

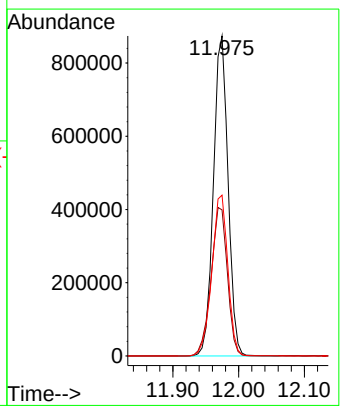


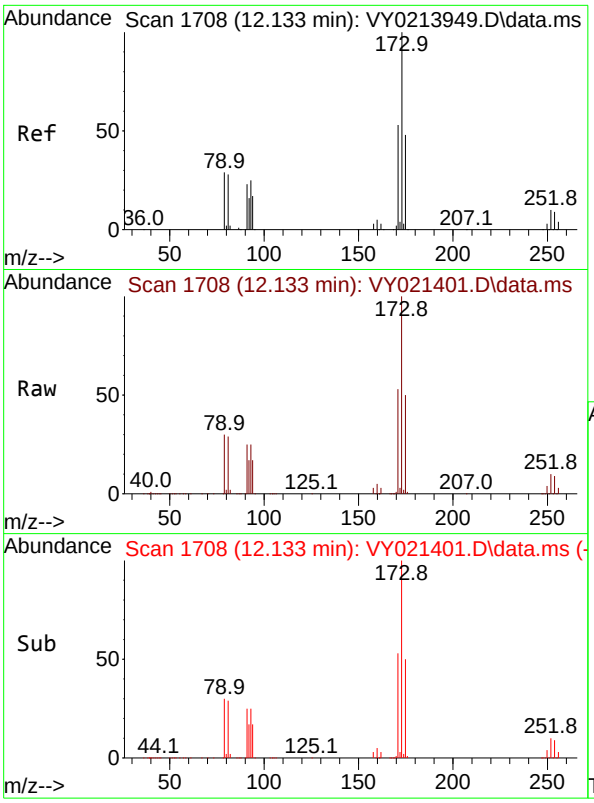


#70
Styrene
Concen: 157.956 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:104 Resp: 1352252

Ion	Ratio	Lower	Upper
104	100		
78	51.8	40.7	61.1
103	55.1	44.1	66.1

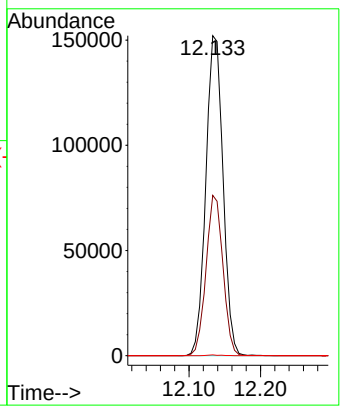




#71
Bromoform
Concen: 152.878 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:173 Resp: 25388

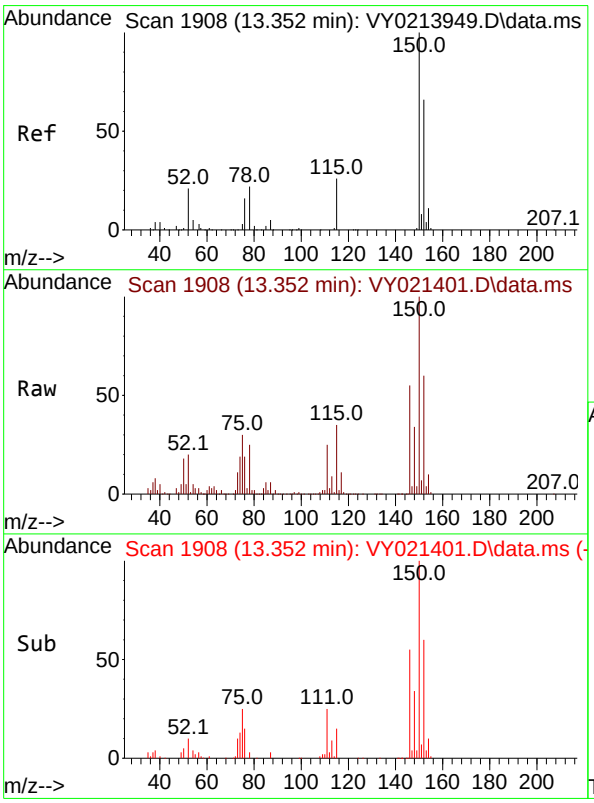
Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.9	71.7
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

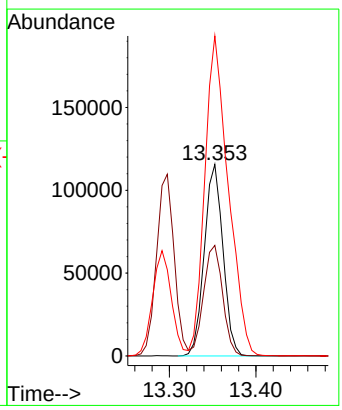
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

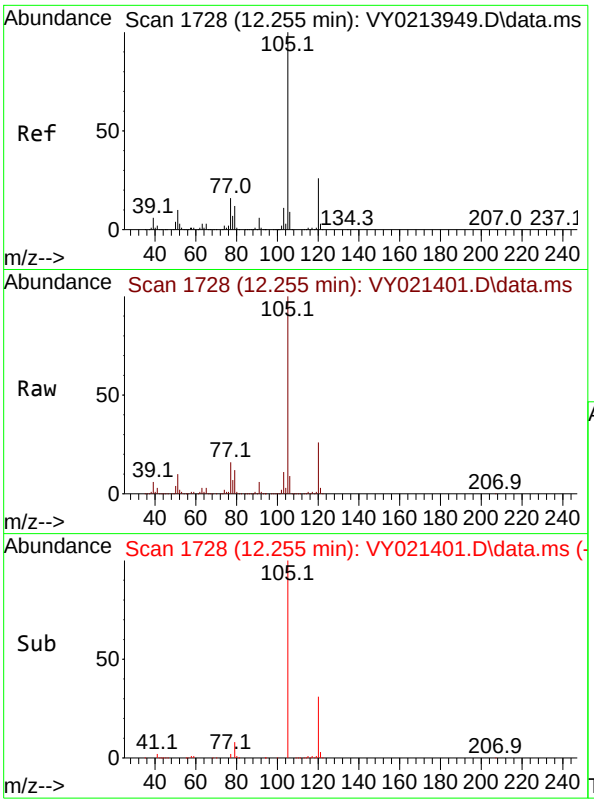


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:152 Resp: 173358

Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.0	87.0
150	209.9	0.0	347.2

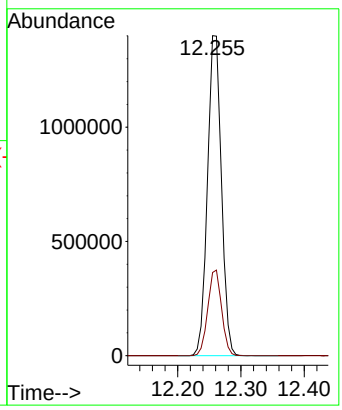




#73
Isopropylbenzene
Concen: 157.067 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:105 Resp: 214489

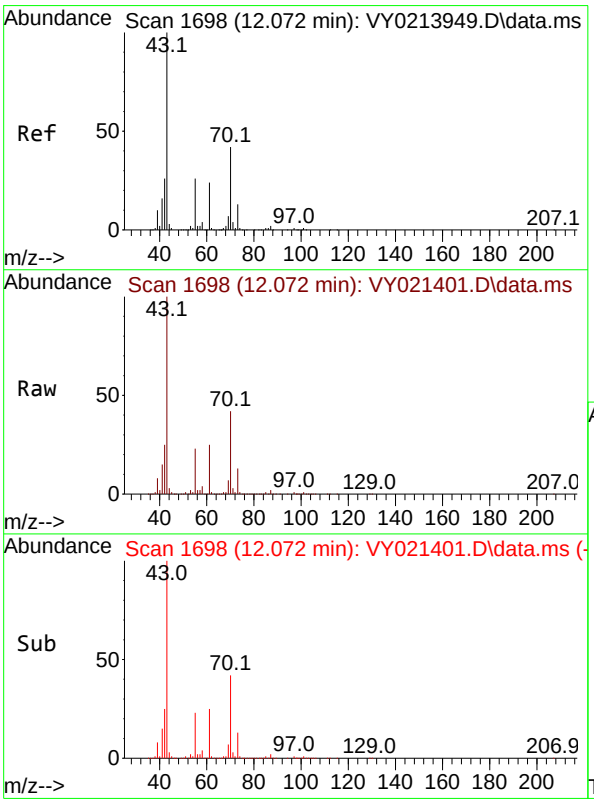
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

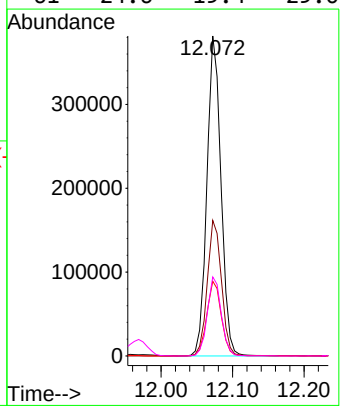
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

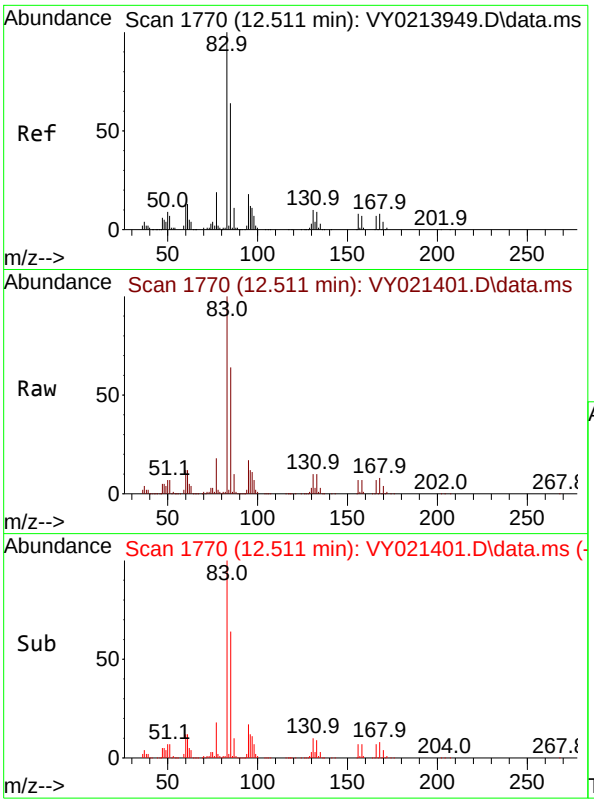


#74
N-amyl acetate
Concen: 175.863 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 43 Resp: 521557

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.6	51.8
55	24.2	21.1	31.7
61	24.6	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 148.865 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

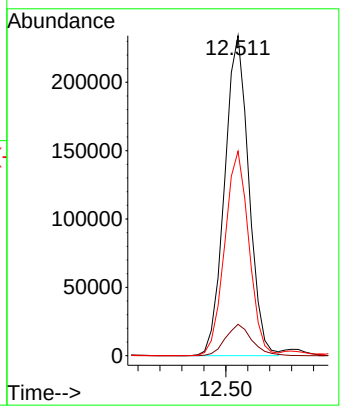
Tgt Ion: 83 Resp: 35873

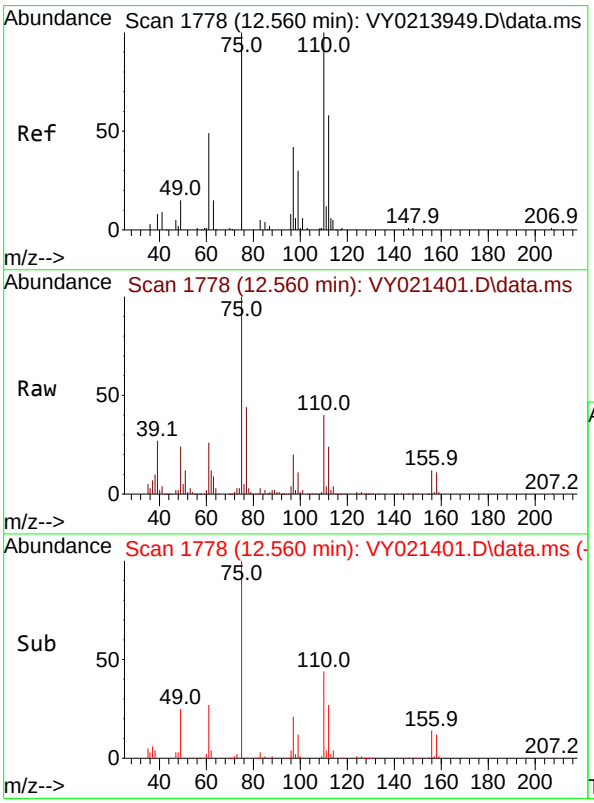
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	16.1
85	63.9	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

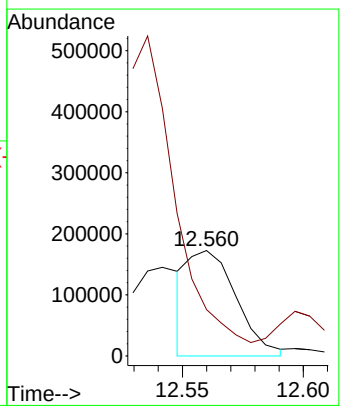


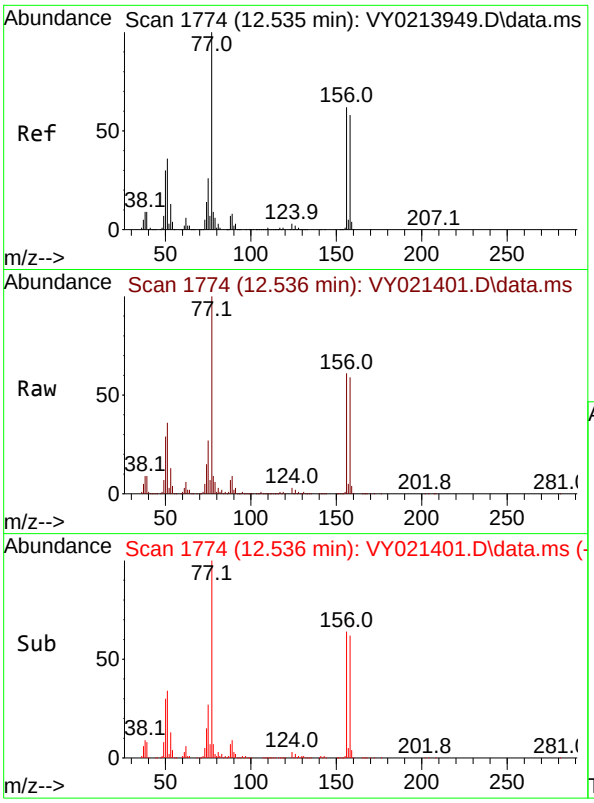


#76
1,2,3-Trichloropropane
Concen: 138.129 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 75 Resp: 241297

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

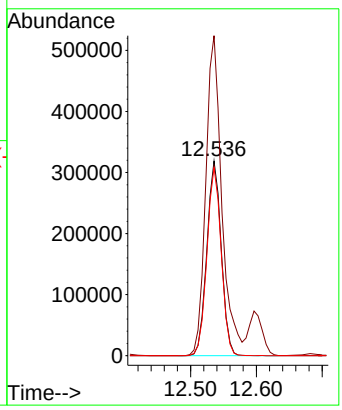




#77
Bromobenzene
Concen: 151.891 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:156 Resp: 48525

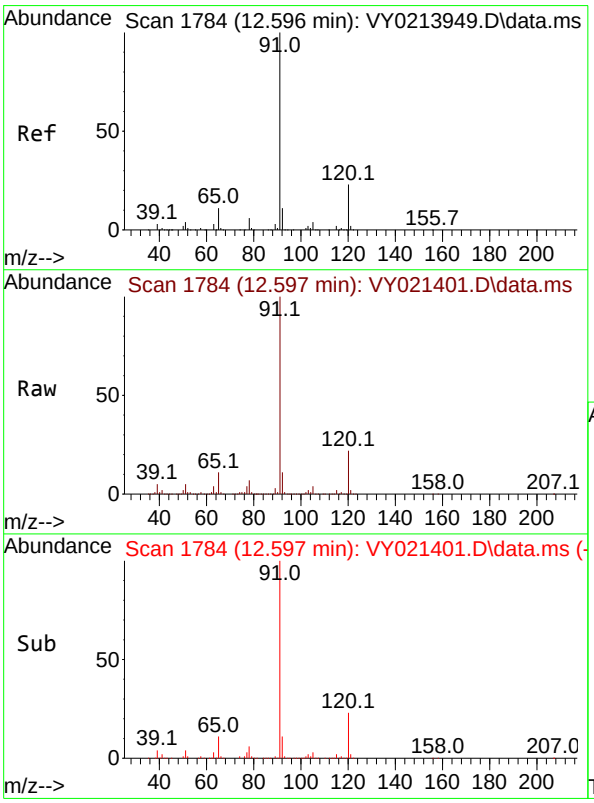
Ion	Ratio	Lower	Upper
156	100		
77	182.8	93.6	280.8
158	96.0	48.3	144.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

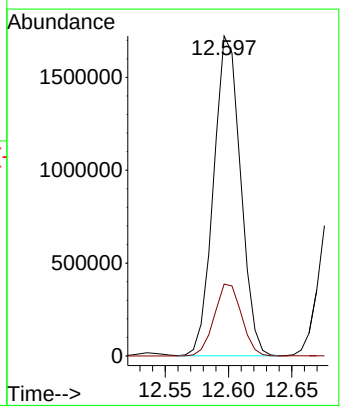
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

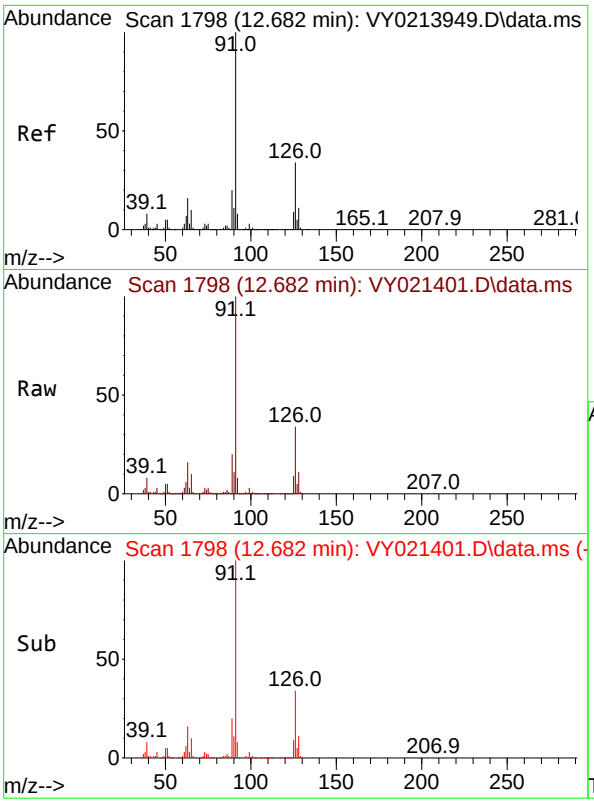


#78
n-propylbenzene
Concen: 153.780 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 91 Resp: 2550395

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.8





#79
2-Chlorotoluene
Concen: 151.808 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

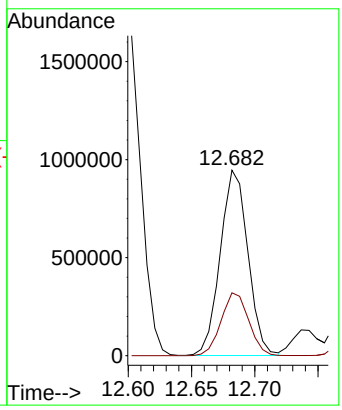
Tgt Ion: 91 Resp: 143959

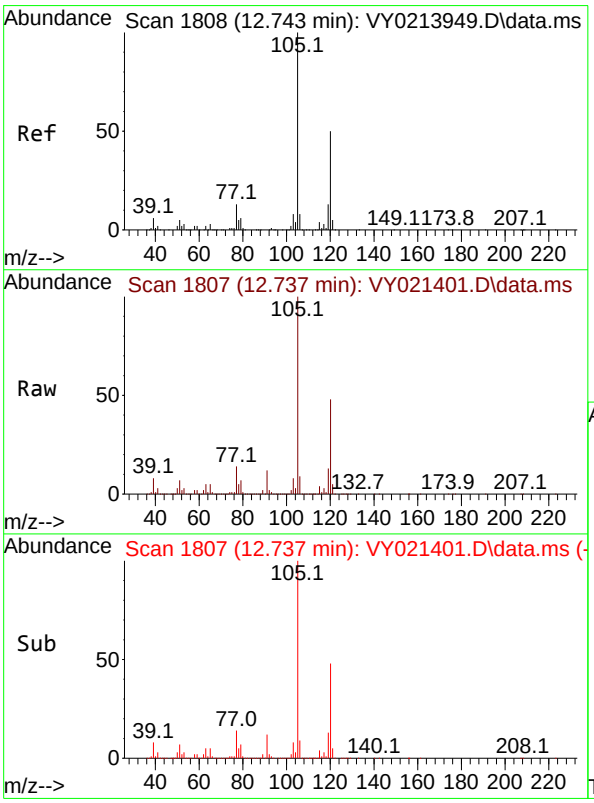
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

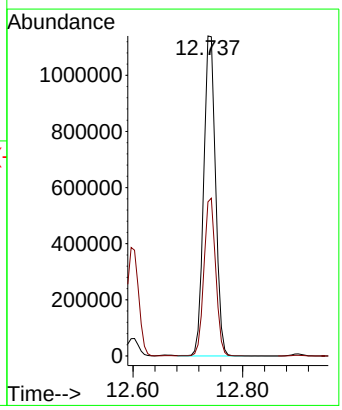


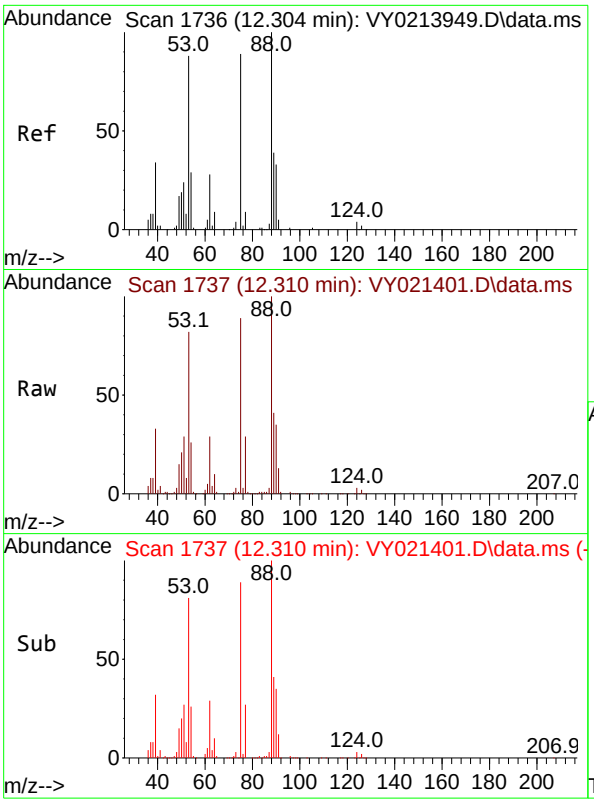


#80
1,3,5-Trimethylbenzene
Concen: 153.582 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:105 Resp: 1704391

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 164.316 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

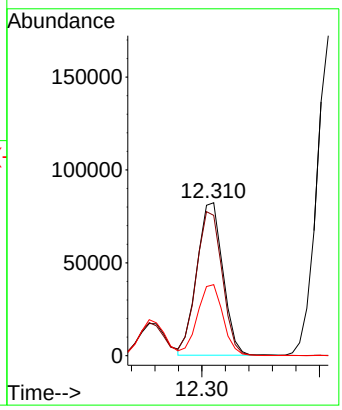
Tgt Ion: 75 Resp: 12626

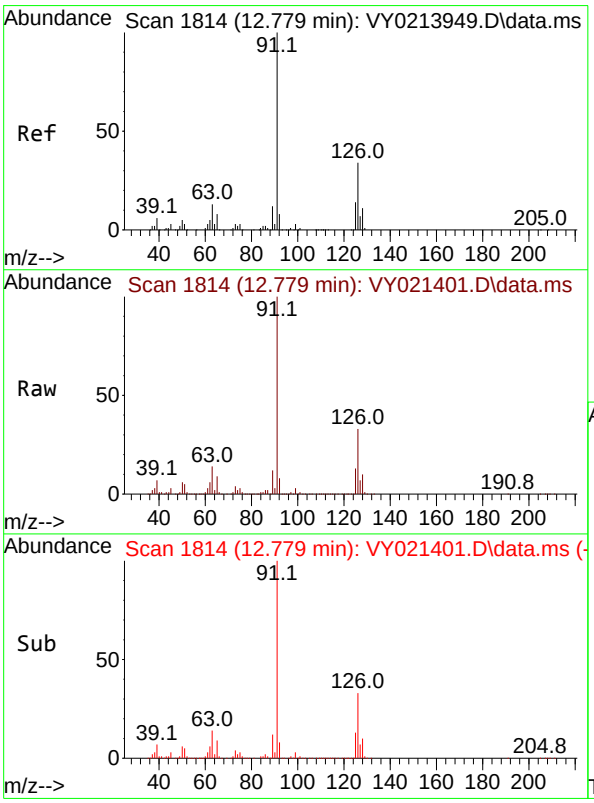
Ion	Ratio	Lower	Upper
75	100		
53	94.4	81.0	121.4
89	46.1	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

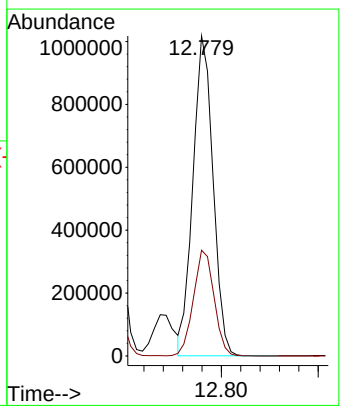


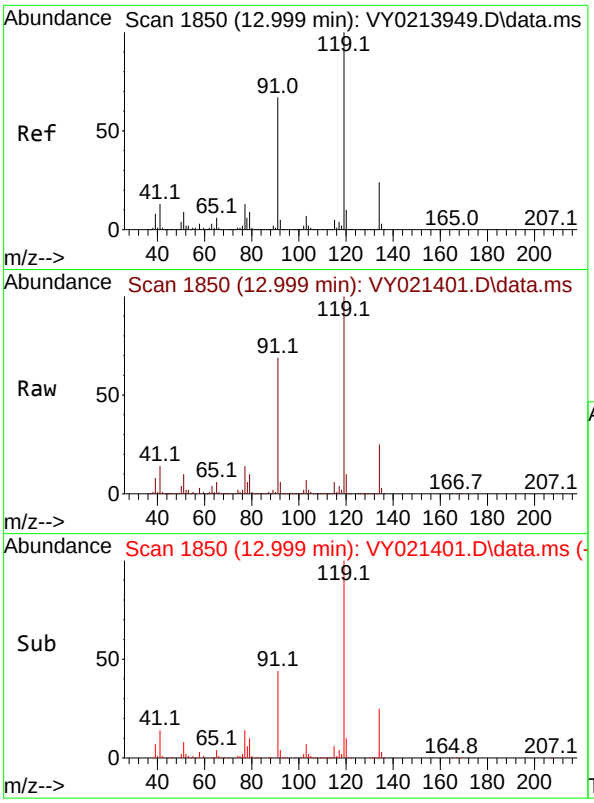


#82
4-Chlorotoluene
Concen: 149.554 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 91 Resp: 1468603

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0





#83
tert-Butylbenzene
Concen: 155.433 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

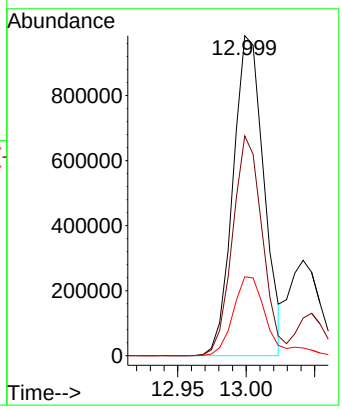
Tgt Ion:119 Resp: 153880

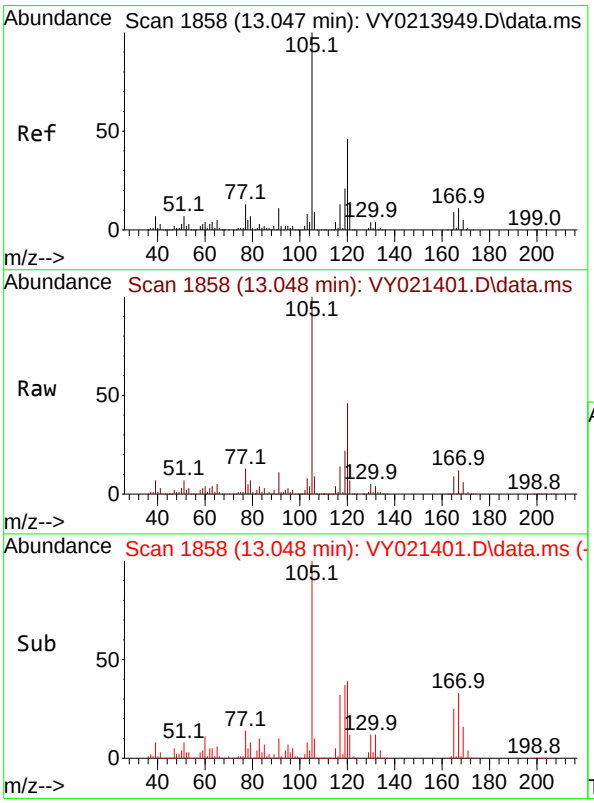
Ion	Ratio	Lower	Upper
119	100		
91	66.6	33.2	99.6
134	27.1	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

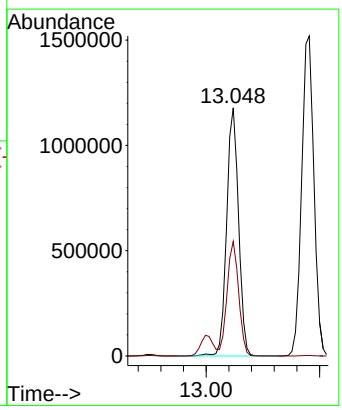


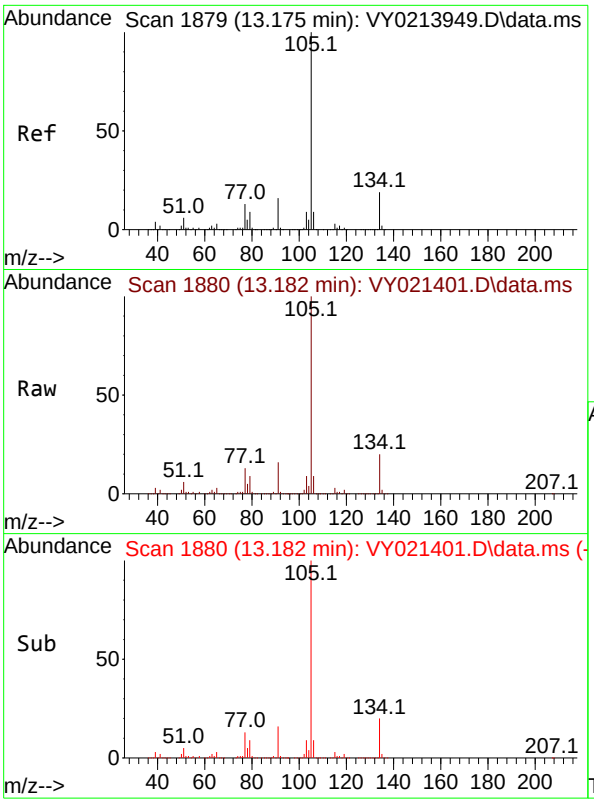


#84
1,2,4-Trimethylbenzene
Concen: 155.470 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:105 Resp: 1713052

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.1





#85
sec-Butylbenzene
Concen: 154.650 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

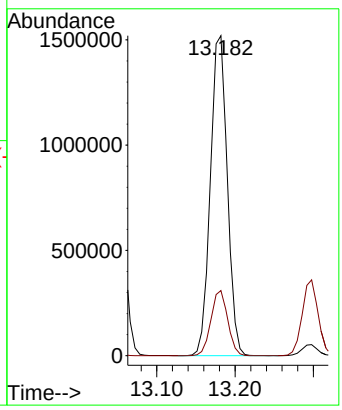
Tgt Ion:105 Resp: 227797

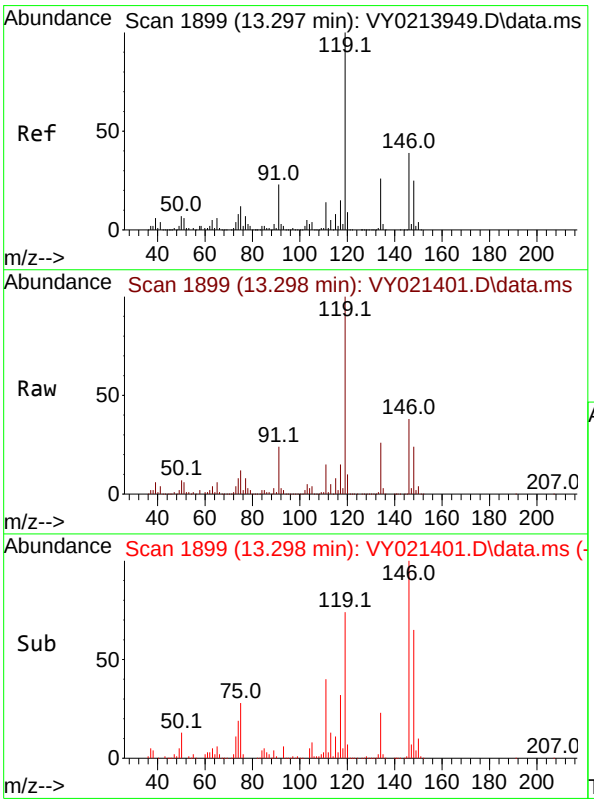
Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

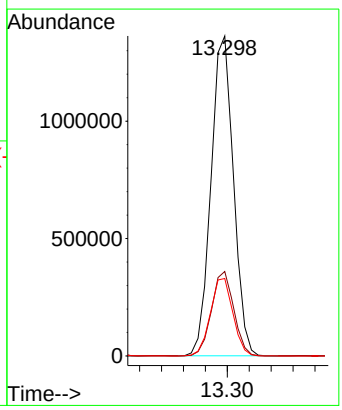


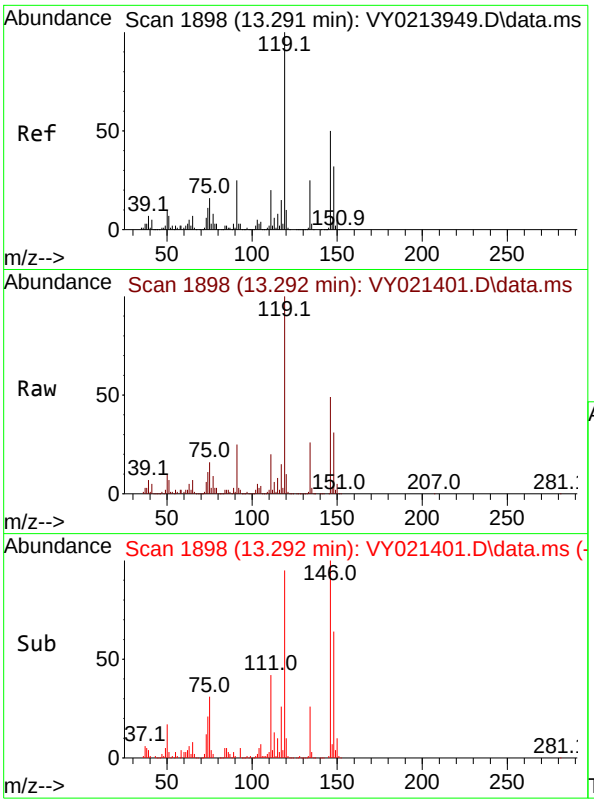


#86
p-Isopropyltoluene
Concen: 159.931 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:119 Resp: 1940795

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	24.4	12.2	36.6

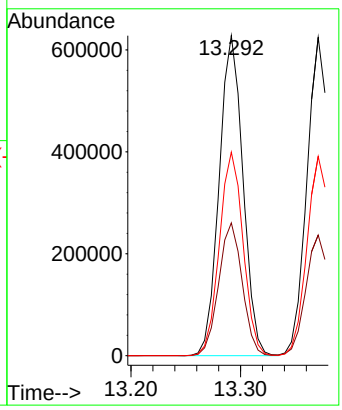




#87
1,3-Dichlorobenzene
Concen: 149.004 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:146 Resp: 94757

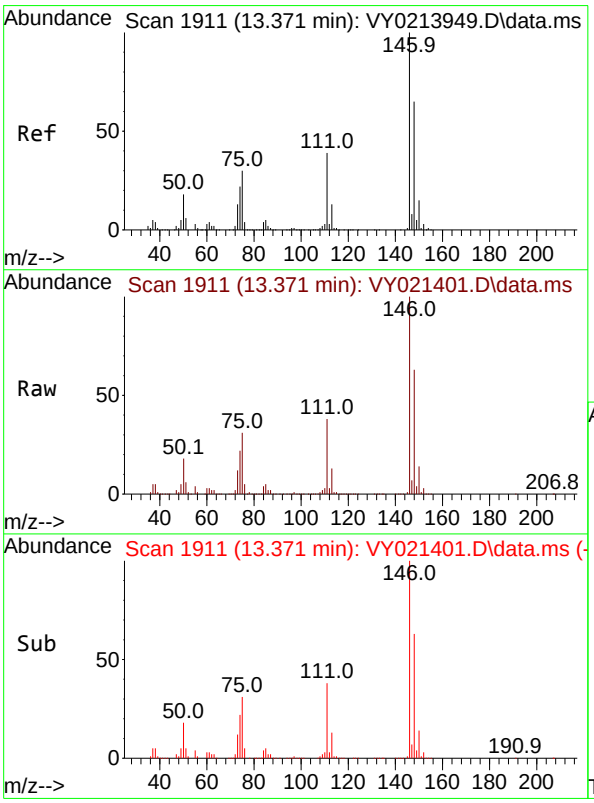
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.0	60.0
148	63.5	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

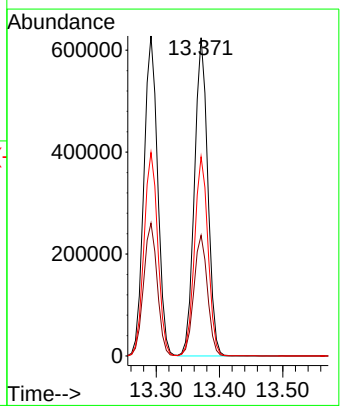
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

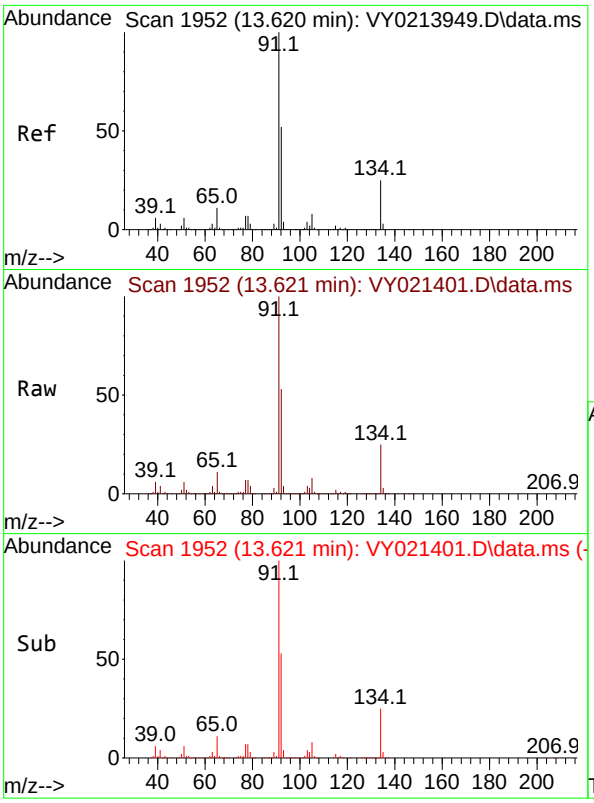


#88
1,4-Dichlorobenzene
Concen: 147.547 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:146 Resp: 917648

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.8
148	63.4	32.3	96.8

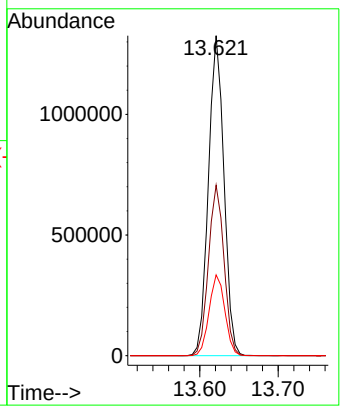




#89
n-Butylbenzene
Concen: 162.308 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 91 Resp: 181877

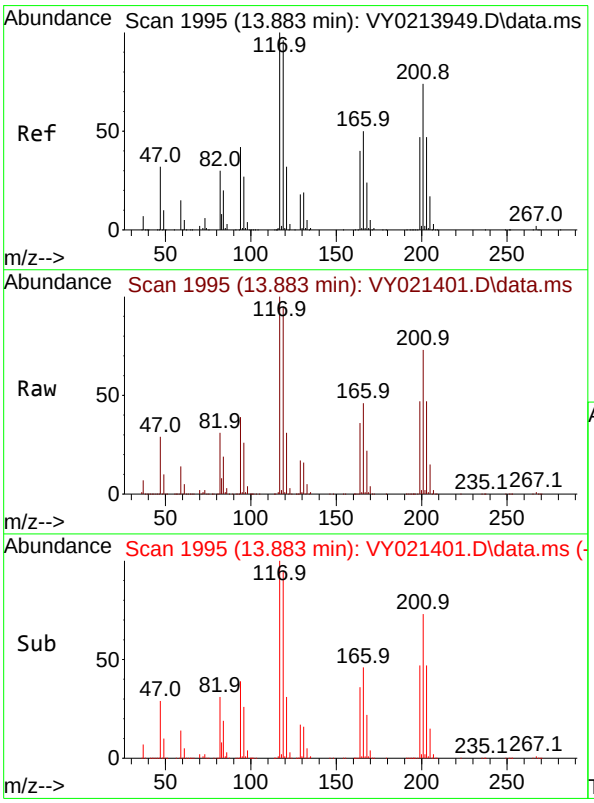
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.1	78.3
134	25.7	12.6	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

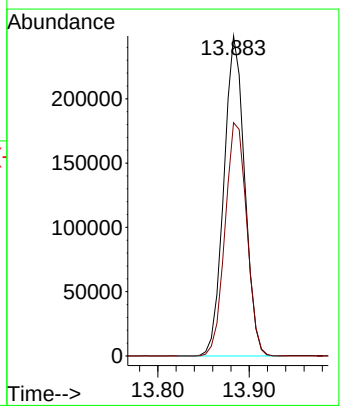
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

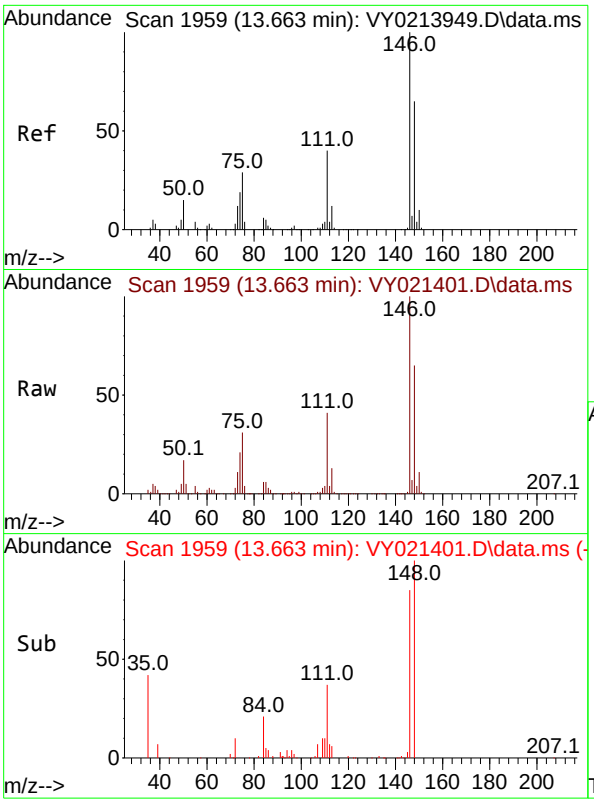


#90
Hexachloroethane
Concen: 151.984 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:117 Resp: 393459

Ion	Ratio	Lower	Upper
117	100		
201	76.1	37.4	112.2

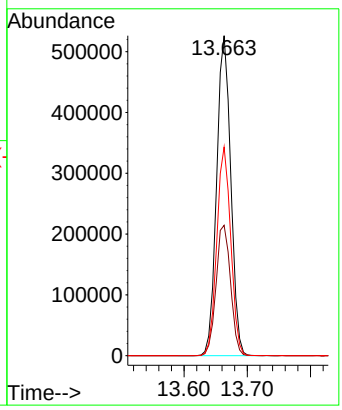




#91
1,2-Dichlorobenzene
Concen: 148.890 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:146 Resp: 81152

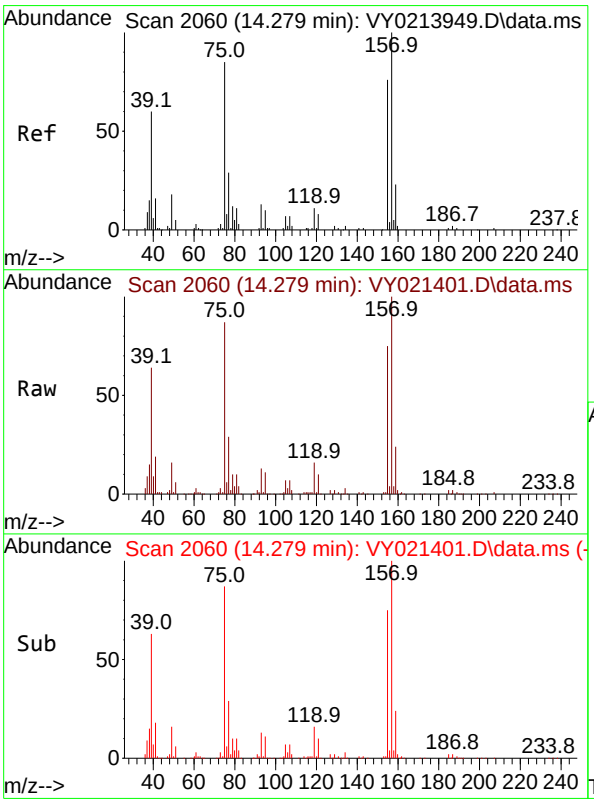
Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	64.5	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

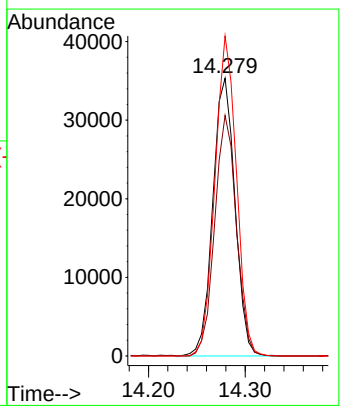
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

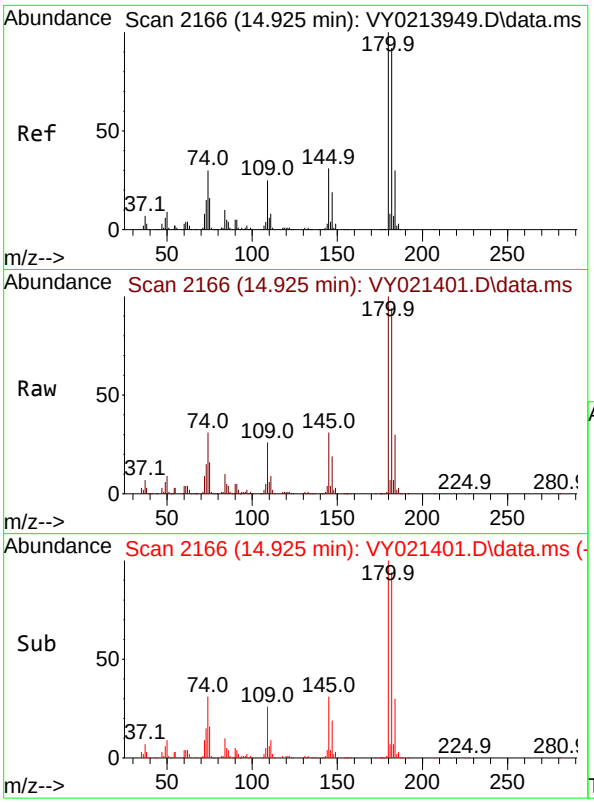


#92
1,2-Dibromo-3-Chloropropane
Concen: 155.702 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 75 Resp: 56205

Ion	Ratio	Lower	Upper
75	100		
155	84.8	43.5	130.5
157	111.7	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 173.726 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

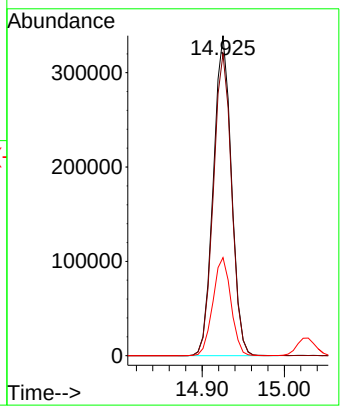
Tgt Ion:180 Resp: 51719

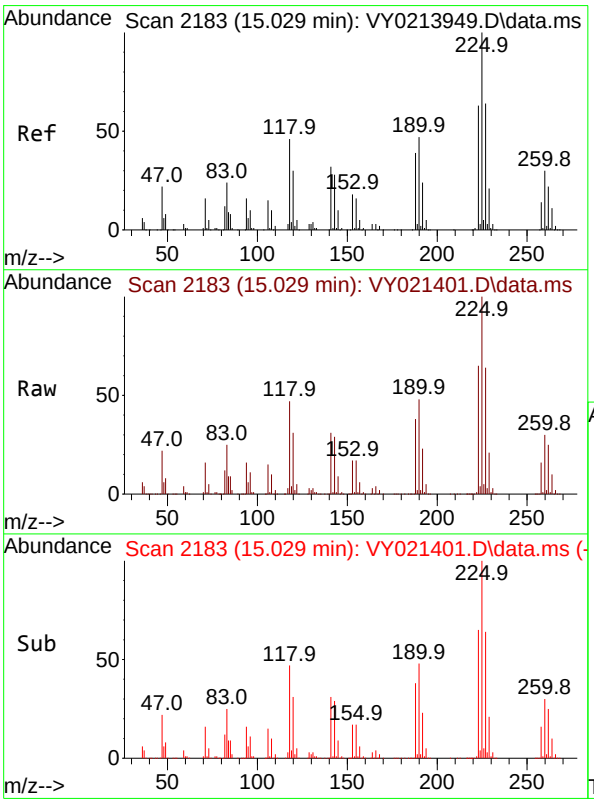
Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.7	140.0
145	30.7	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

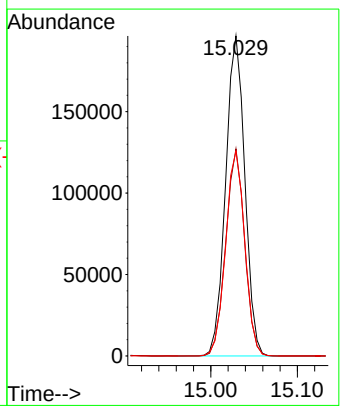


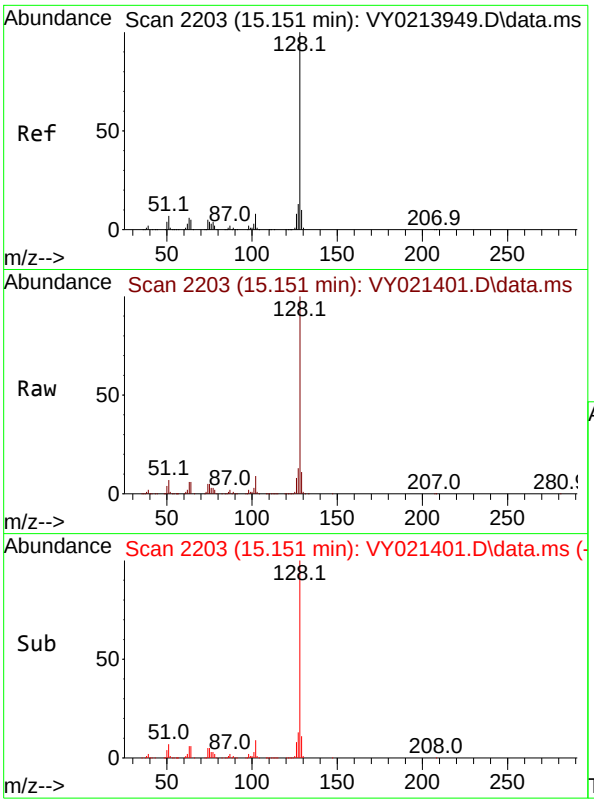


#94
Hexachlorobutadiene
Concen: 162.105 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:225 Resp: 302517

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.4	94.2
227	63.9	31.8	95.4

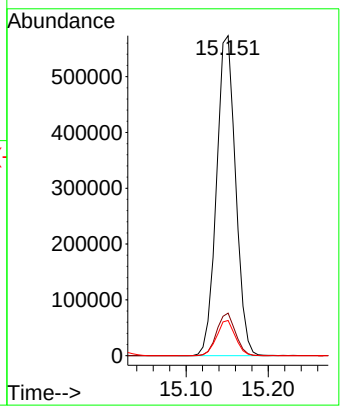




#95
Naphthalene
Concen: 150.626 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:128 Resp: 92507

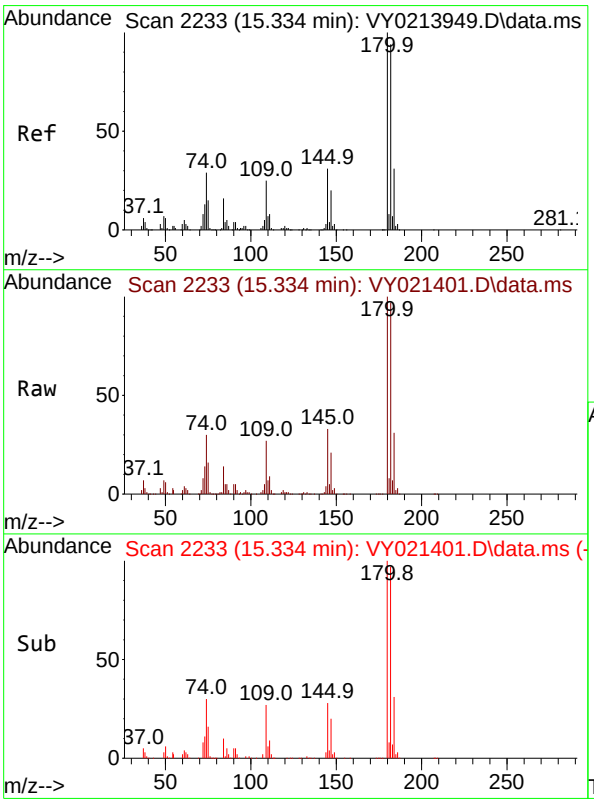
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.8	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

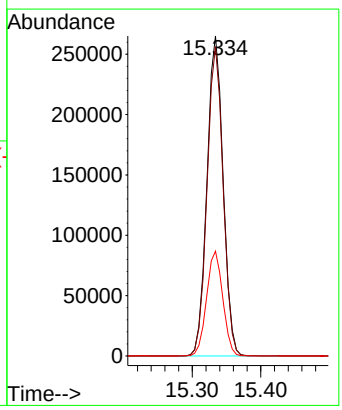
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 173.503 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:180 Resp: 434430

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.2	141.6
145	32.9	16.4	49.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021403.D
Acq On : 04 Mar 2025 12:15
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	245027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	394876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	337621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	161080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	14848	5.733	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.460%#		
35) Dibromofluoromethane	7.634	113	14631	5.637	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.280%#		
50) Toluene-d8	10.109	98	54665	5.562	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	11.120%#		
62) 4-Bromofluorobenzene	12.408	95	19663	5.882	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	11.760%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	12951	5.760	ug/l	91
3) Chloromethane	2.074	50	19424	6.127	ug/l	98
4) Vinyl Chloride	2.208	62	19070	5.505	ug/l	99
5) Bromomethane	2.605	94	15706	6.273	ug/l	95
6) Chloroethane	2.745	64	12773	5.579	ug/l	98
7) Trichlorofluoromethane	3.068	101	27176	5.620	ug/l	99
8) Diethyl Ether	3.458	74	7381	5.508	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.824	101	16374	5.931	ug/l	99
10) Methyl Iodide	4.013	142	12057	4.296	ug/l	99
11) Tert butyl alcohol	4.872	59	7503	24.295	ug/l #	83
12) 1,1-Dichloroethene	3.800	96	13880	5.515	ug/l	97
13) Acrolein	3.653	56	6605	50.142	ug/l	93
14) Allyl chloride	4.385	41	21629	5.317	ug/l	99
15) Acrylonitrile	5.068	53	14939	26.189	ug/l	100
16) Acetone	3.879	43	17626	31.204	ug/l	99
17) Carbon Disulfide	4.110	76	42440	5.380	ug/l	99
18) Methyl Acetate	4.391	43	6561	5.235	ug/l	94
19) Methyl tert-butyl Ether	5.129	73	33420	5.239	ug/l	94
20) Methylene Chloride	4.629	84	19304	6.511	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	15868	5.629	ug/l	89
22) Diisopropyl ether	6.019	45	45242	5.161	ug/l	88
23) Vinyl Acetate	5.970	43	124260	24.838	ug/l	96
24) 1,1-Dichloroethane	5.921	63	28883	5.583	ug/l	97
25) 2-Butanone	6.903	43	22073	28.249	ug/l	96
26) 2,2-Dichloropropane	6.890	77	27105	5.694	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	17198	5.371	ug/l	93
28) Bromochloromethane	7.250	49	11718	5.403	ug/l	99
29) Tetrahydrofuran	7.274	42	12689	26.305	ug/l	99
30) Chloroform	7.427	83	29950	5.575	ug/l	99
31) Cyclohexane	7.701	56	29806	6.145	ug/l #	93
32) 1,1,1-Trichloroethane	7.622	97	28207	5.734	ug/l	95
36) 1,1-Dichloropropene	7.841	75	21694	5.340	ug/l	98
37) Ethyl Acetate	6.988	43	9539m	5.205	ug/l	
38) Carbon Tetrachloride	7.823	117	24674	5.281	ug/l	96
39) Methylcyclohexane	9.110	83	25312	5.079	ug/l	95
40) Benzene	8.085	78	63894	5.339	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021403.D
Acq On : 04 Mar 2025 12:15
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.232	41	4825	4.834 ug/l #	91
42) 1,2-Dichloroethane	8.158	62	17906	5.348 ug/l	99
43) Isopropyl Acetate	8.201	43	18016	5.168 ug/l	97
44) Trichloroethene	8.872	130	16384	5.417 ug/l	98
45) 1,2-Dichloropropane	9.146	63	15302	5.372 ug/l	91
46) Dibromomethane	9.238	93	8211	5.181 ug/l	99
47) Bromodichloromethane	9.427	83	22083	5.247 ug/l	95
48) Methyl methacrylate	9.225	41	7383	4.568 ug/l	98
49) 1,4-Dioxane	9.231	88	1424	91.537 ug/l #	90
51) 4-Methyl-2-Pentanone	10.000	43	43306	24.077 ug/l	100
52) Toluene	10.176	92	38833	5.146 ug/l	96
53) t-1,3-Dichloropropene	10.396	75	18188	4.905 ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	22504	5.111 ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	10837	5.227 ug/l	97
56) Ethyl methacrylate	10.439	69	11475	4.340 ug/l	97
57) 1,3-Dichloropropane	10.719	76	18380	5.115 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	26908	22.045 ug/l	99
59) 2-Hexanone	10.762	43	27441	23.073 ug/l	97
60) Dibromochloromethane	10.914	129	14771	5.197 ug/l	96
61) 1,2-Dibromoethane	11.018	107	10188	5.207 ug/l	99
64) Tetrachloroethene	10.652	164	15148	5.518 ug/l	95
65) Chlorobenzene	11.444	112	43322	5.434 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	15173	5.383 ug/l	96
67) Ethyl Benzene	11.524	91	71391	5.102 ug/l	97
68) m/p-Xylenes	11.633	106	53829	10.132 ug/l	99
69) o-Xylene	11.957	106	24421	4.988 ug/l	100
70) Styrene	11.975	104	38858	4.784 ug/l	99
71) Bromoform	12.133	173	7934	5.035 ug/l #	96
73) Isopropylbenzene	12.255	105	64065	5.049 ug/l	98
74) N-amyl acetate	12.072	43	12319	4.470 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	11865	5.299 ug/l	95
76) 1,2,3-Trichloropropane	12.560	75	10101m	6.223 ug/l	
77) Bromobenzene	12.536	156	15812	5.327 ug/l	97
78) n-propylbenzene	12.597	91	80203	5.205 ug/l	99
79) 2-Chlorotoluene	12.682	91	47065	5.341 ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	53272	5.166 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	3431	4.805 ug/l	92
82) 4-Chlorotoluene	12.780	91	48178	5.280 ug/l	100
83) tert-Butylbenzene	12.999	119	46550	5.060 ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	52203	5.099 ug/l	98
85) sec-Butylbenzene	13.176	105	71799	5.246 ug/l	100
86) p-Isopropyltoluene	13.298	119	57131	5.067 ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	32709	5.535 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	32045	5.545 ug/l	95
89) n-Butylbenzene	13.621	91	52654	5.057 ug/l	99
90) Hexachloroethane	13.883	117	13537	5.628 ug/l	95
91) 1,2-Dichlorobenzene	13.664	146	27758	5.481 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1880	5.605 ug/l	86
93) 1,2,4-Trichlorobenzene	14.926	180	13925	5.034 ug/l	98
94) Hexachlorobutadiene	15.029	225	9351	5.393 ug/l	97
95) Naphthalene	15.151	128	19552	5.892 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	11822	5.081 ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021403.D
Acq On : 04 Mar 2025 12:15
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

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

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

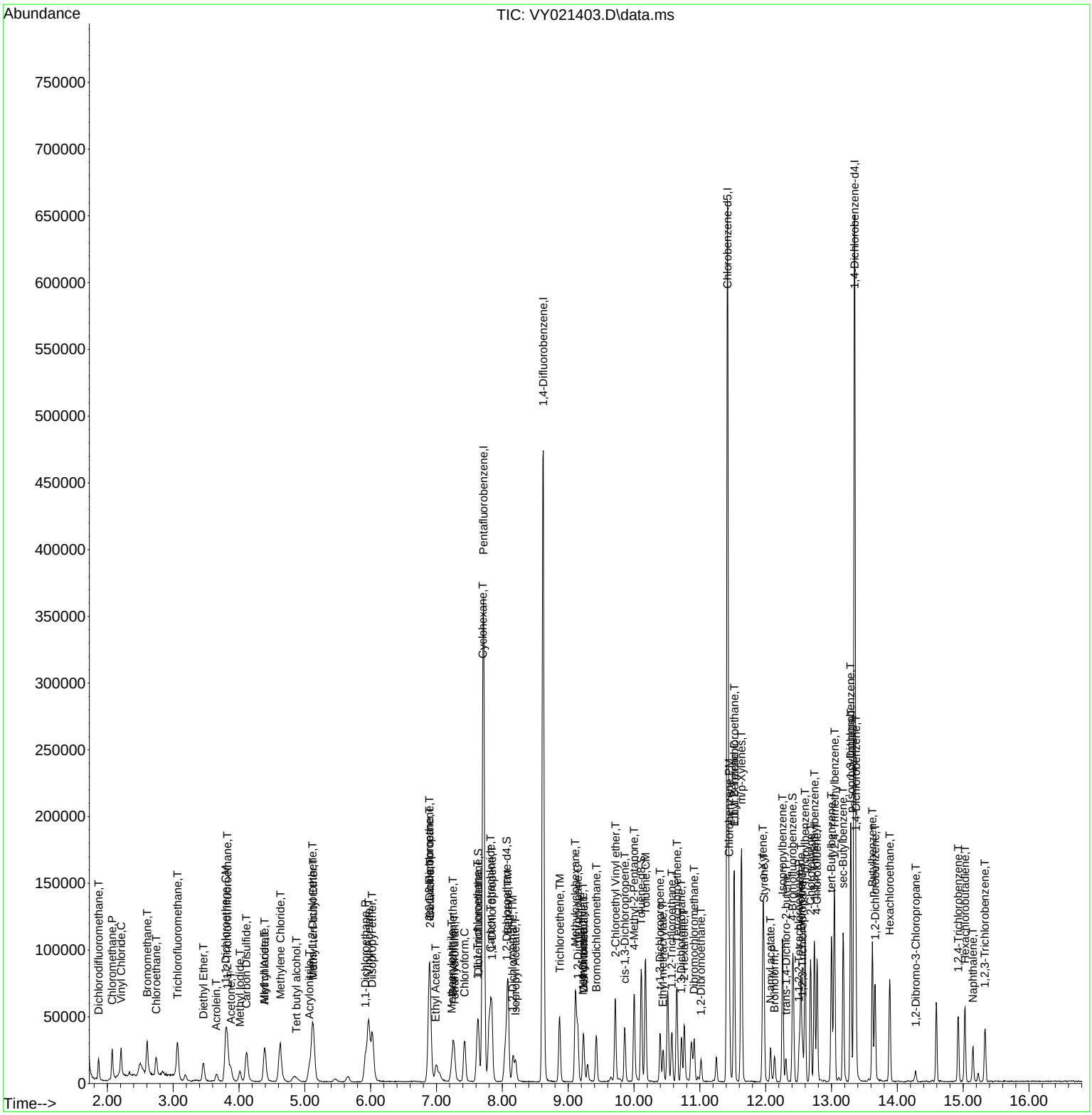
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021403.D
Acq On : 04 Mar 2025 12:15
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

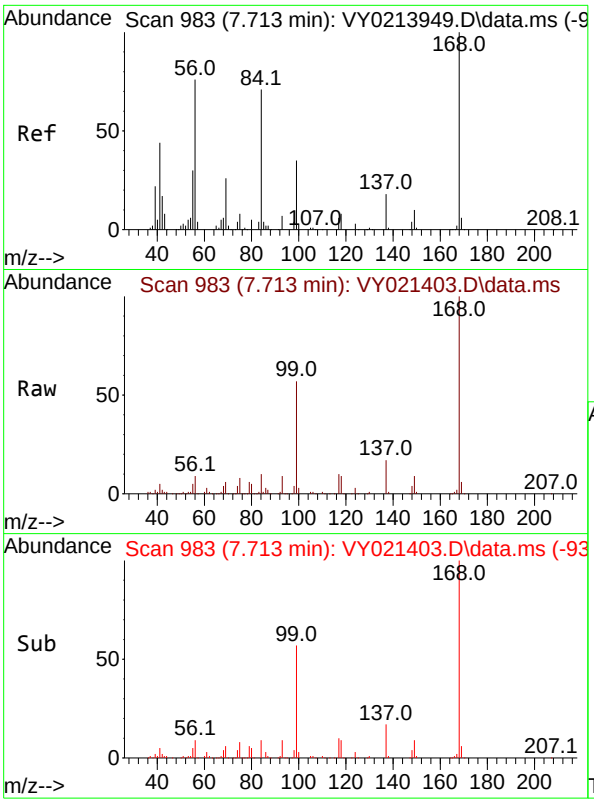
Quant Time: Mar 05 03:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

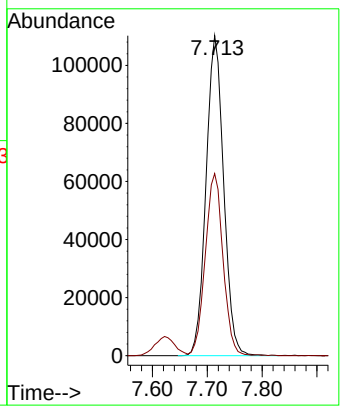




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:168 Resp: 24502

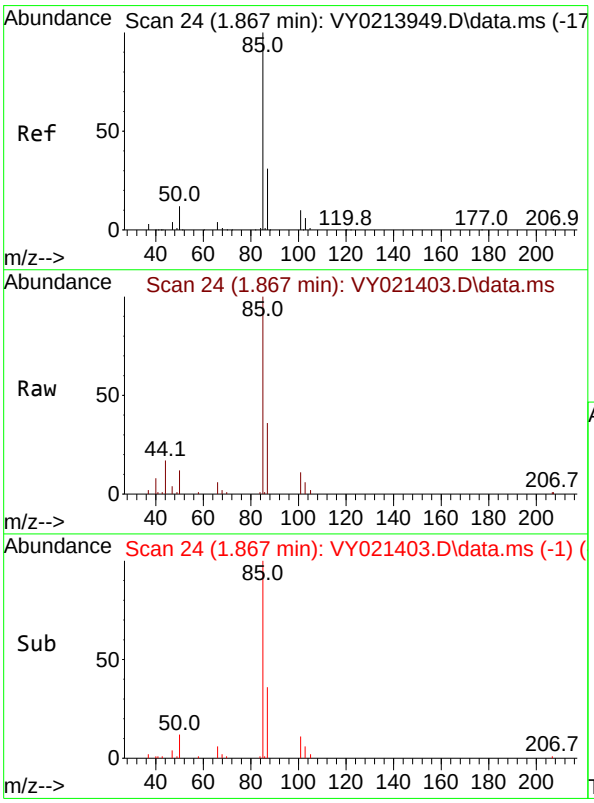
Ion	Ratio	Lower	Upper
168	100		
99	56.8	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

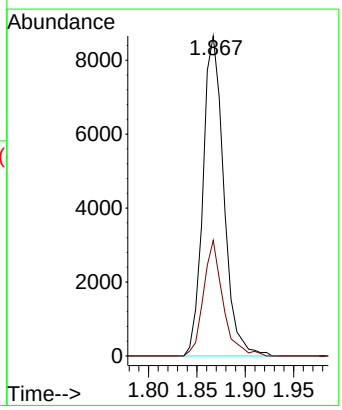
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

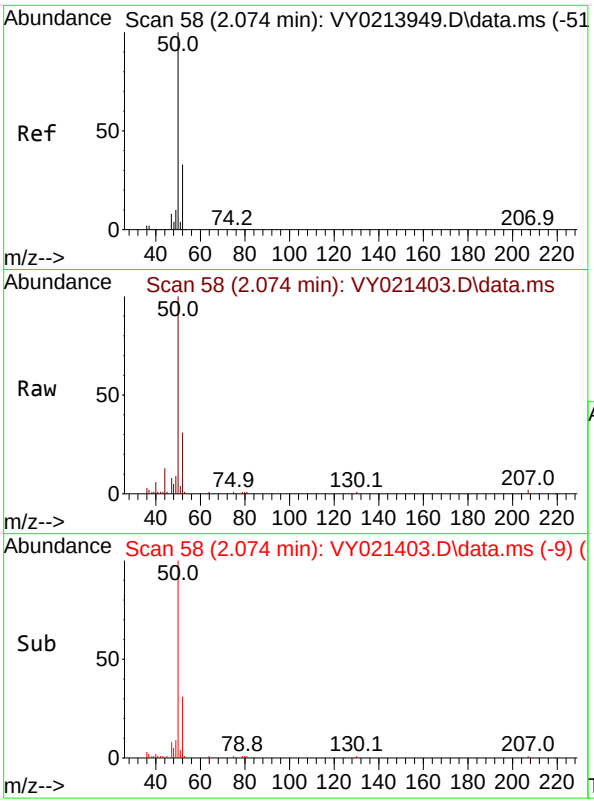


#2
Dichlorodifluoromethane
Concen: 5.760 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 85 Resp: 12951

Ion	Ratio	Lower	Upper
85	100		
87	36.1	15.7	47.0

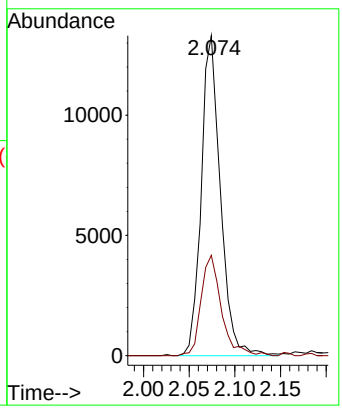




#3
Chloromethane
Concen: 6.127 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 50 Resp: 1942

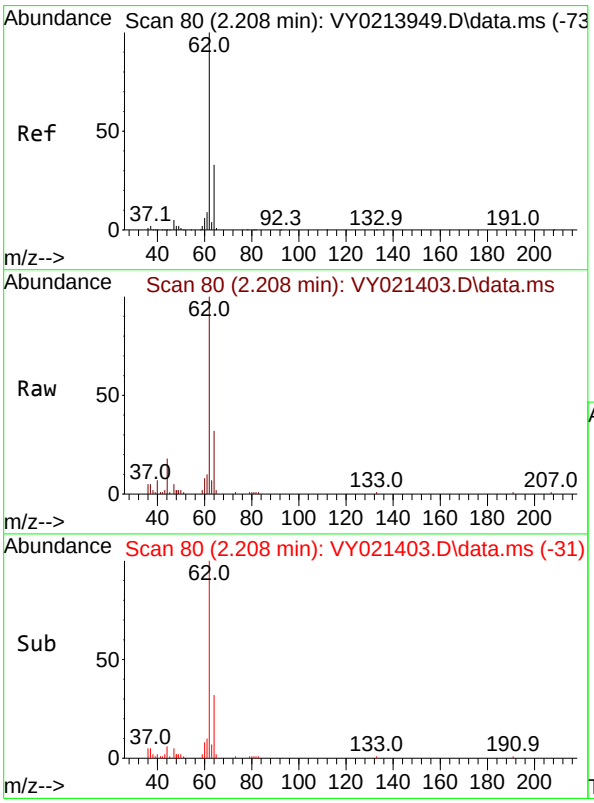
Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

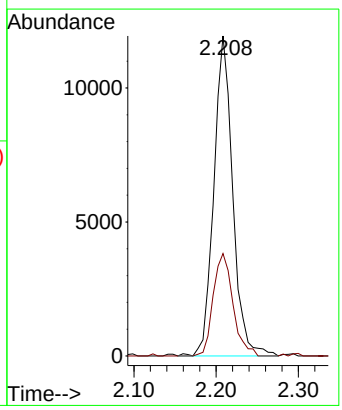
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

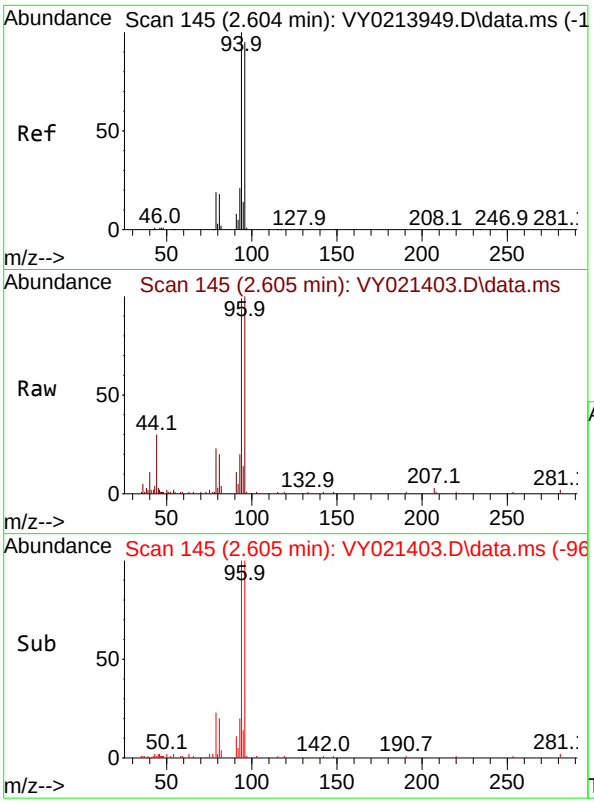


#4
Vinyl Chloride
Concen: 5.505 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 62 Resp: 19070

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.2	39.2





#5
Bromomethane
Concen: 6.273 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

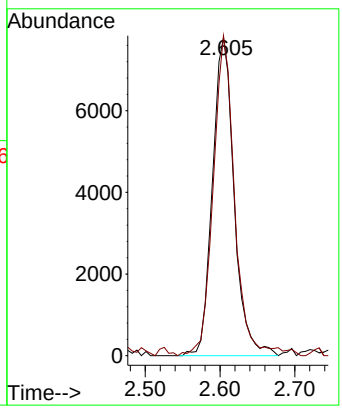
Tgt Ion: 94 Resp: 1570

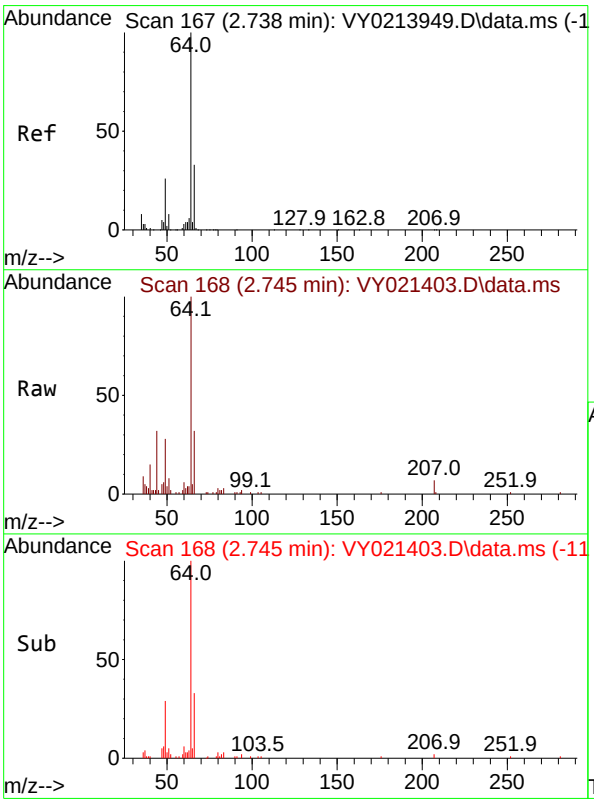
Ion	Ratio	Lower	Upper
94	100		
96	100.7	76.3	114.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

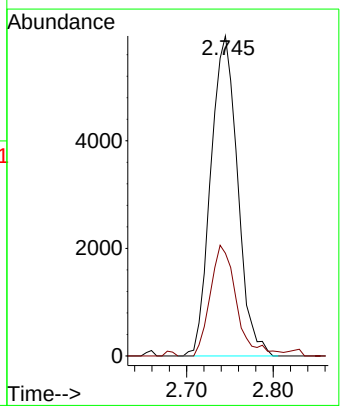


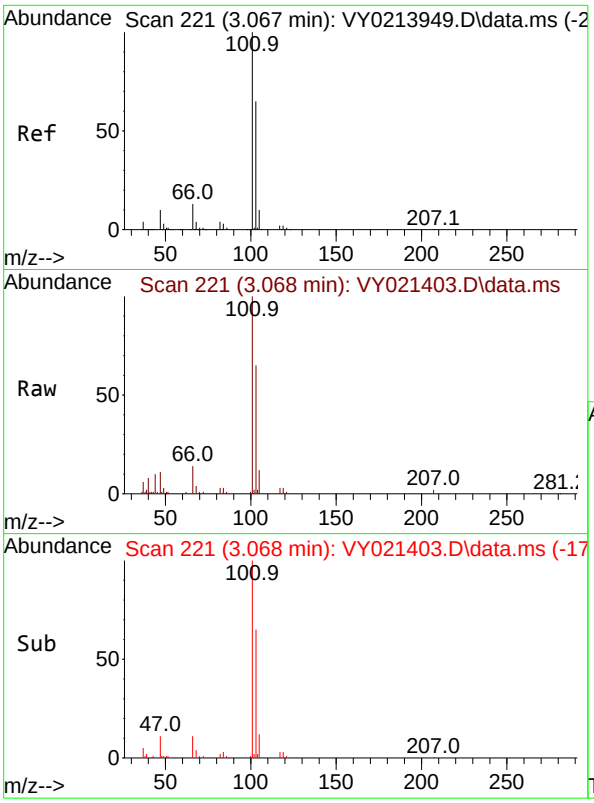


#6
Chloroethane
Concen: 5.579 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 64 Resp: 12773

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.7	40.1

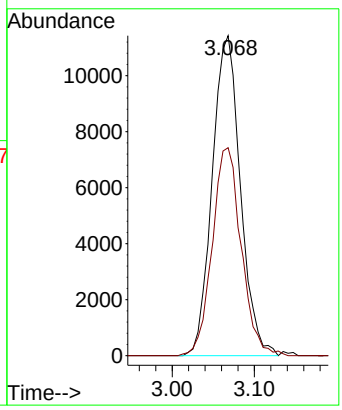




#7
Trichlorofluoromethane
Concen: 5.620 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:101 Resp: 2717

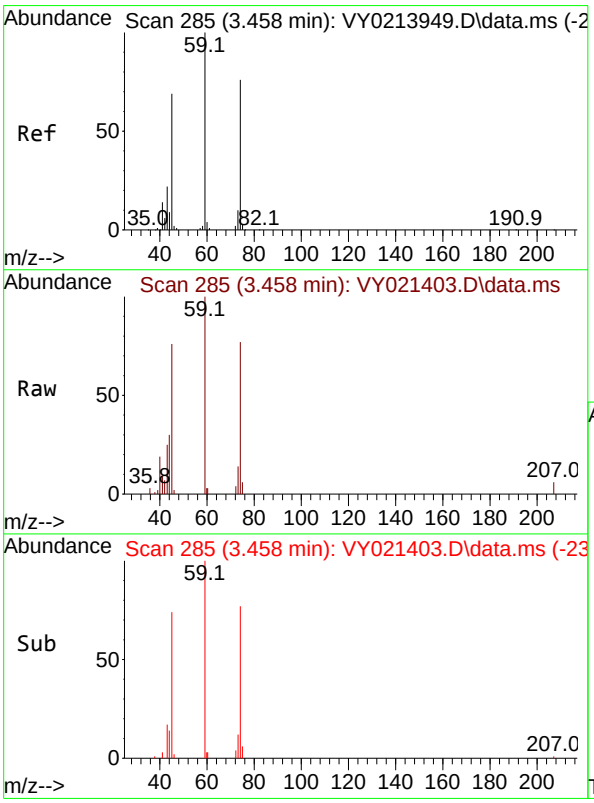
Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

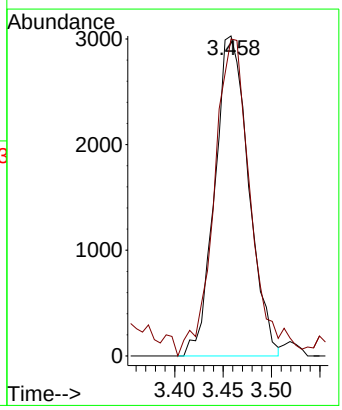
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

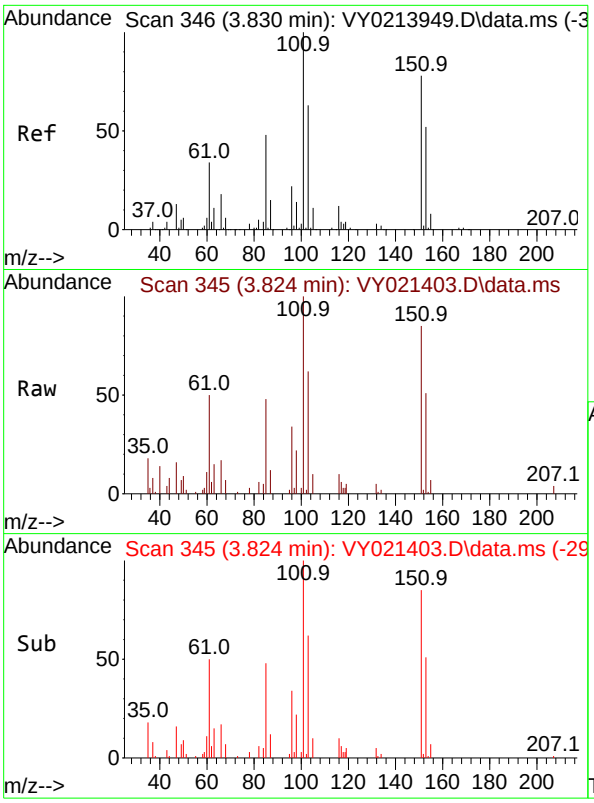


#8
Diethyl Ether
Concen: 5.508 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 74 Resp: 7381

Ion	Ratio	Lower	Upper
74	100		
45	106.2	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.931 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

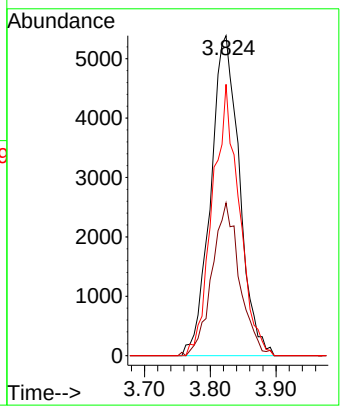
Tgt Ion:101 Resp: 1637

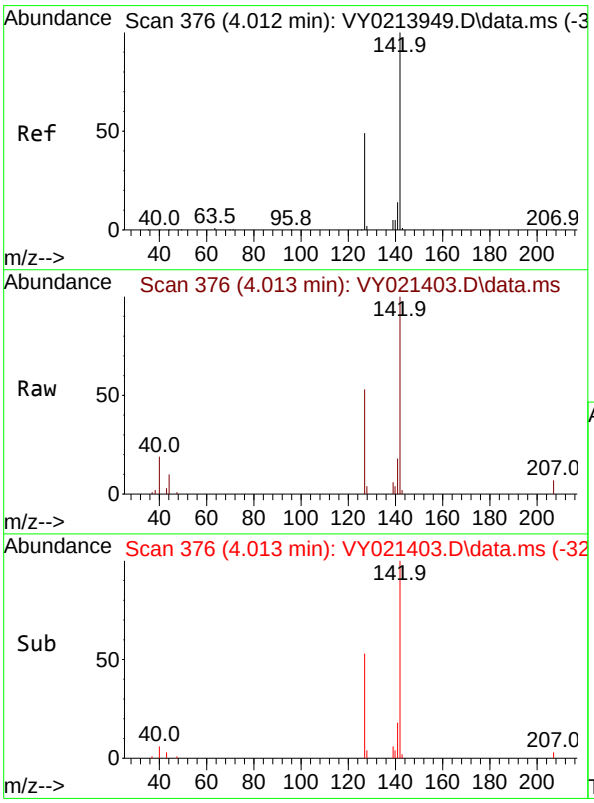
Ion	Ratio	Lower	Upper
101	100		
85	46.0	37.1	55.7
151	78.9	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

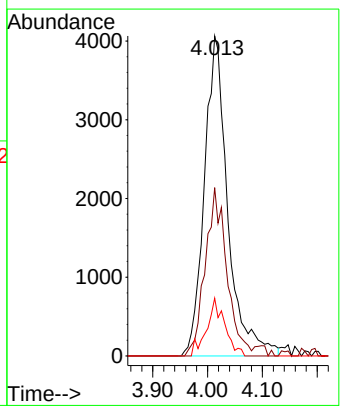


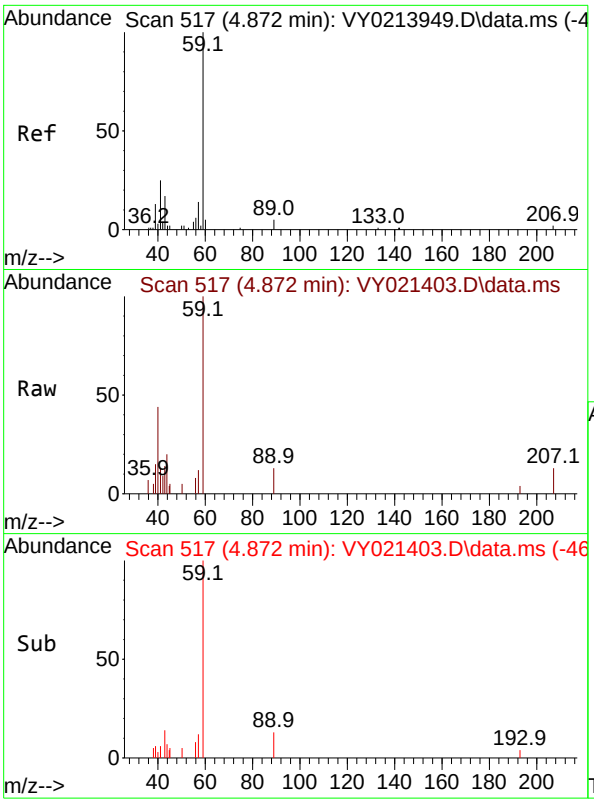


#10
Methyl Iodide
Concen: 4.296 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:142 Resp: 12057

Ion	Ratio	Lower	Upper
142	100		
127	48.2	39.1	58.7
141	14.0	11.8	17.6





#11
Tert butyl alcohol
Concen: 24.295 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

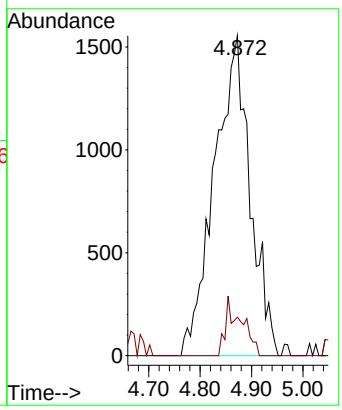
Tgt Ion: 59 Resp: 750

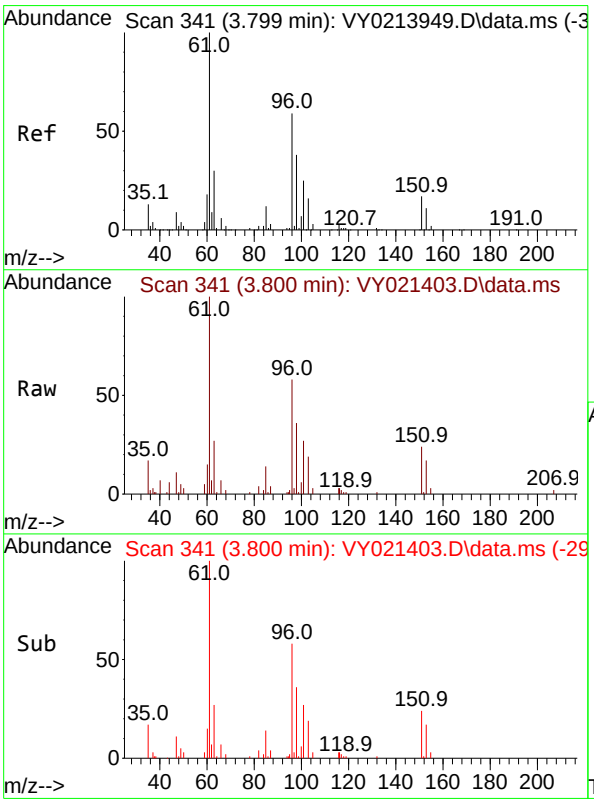
Ion	Ratio	Lower	Upper
59	100		
57	3.9	8.2	12.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

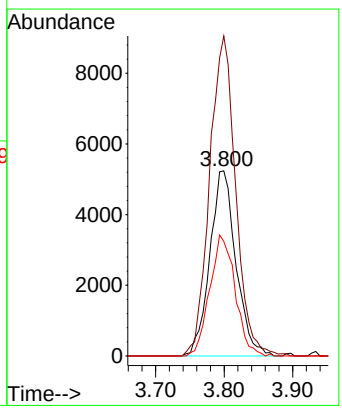


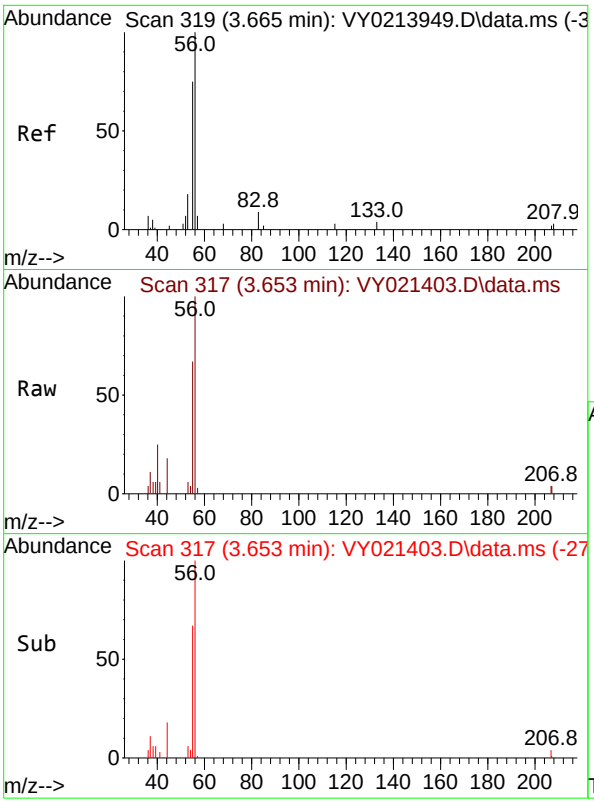


#12
1,1-Dichloroethene
Concen: 5.515 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.001 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 96 Resp: 13880

Ion	Ratio	Lower	Upper
96	100		
61	172.9	135.2	202.8
98	61.9	51.4	77.2





#13
Acrolein
Concen: 50.142 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

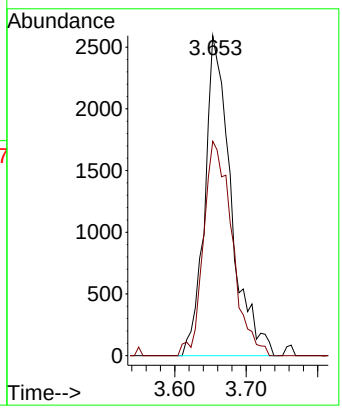
Tgt Ion: 56 Resp: 660

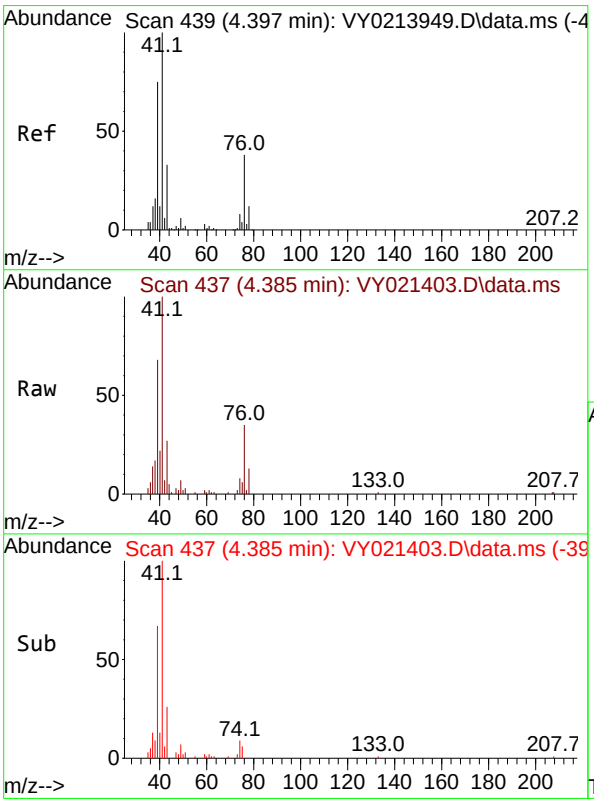
Ion	Ratio	Lower	Upper
56	100		
55	72.9	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

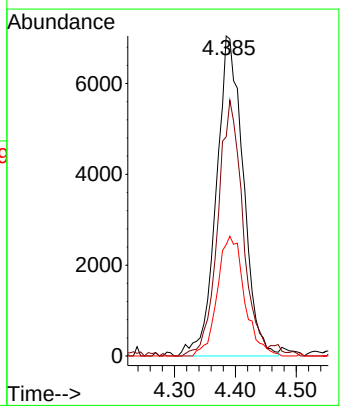


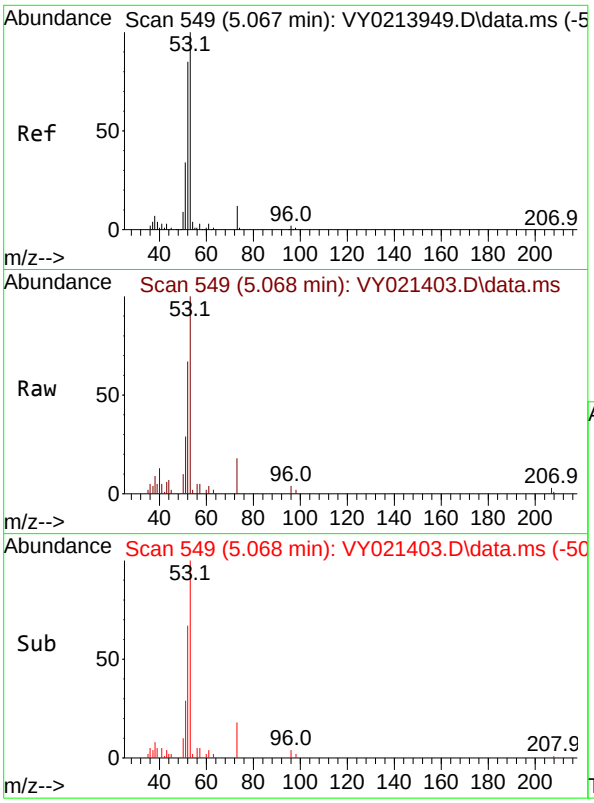


#14
Allyl chloride
Concen: 5.317 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 41 Resp: 21629

Ion	Ratio	Lower	Upper
41	100		
39	74.9	59.3	88.9
76	37.8	29.8	44.8





#15
Acrylonitrile
Concen: 26.189 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

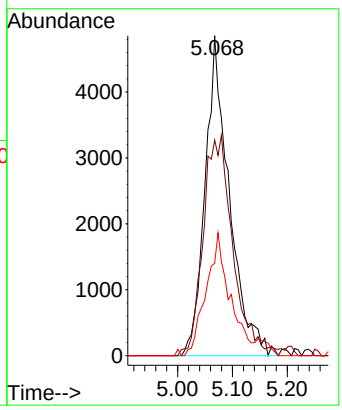
Tgt Ion: 53 Resp: 1493

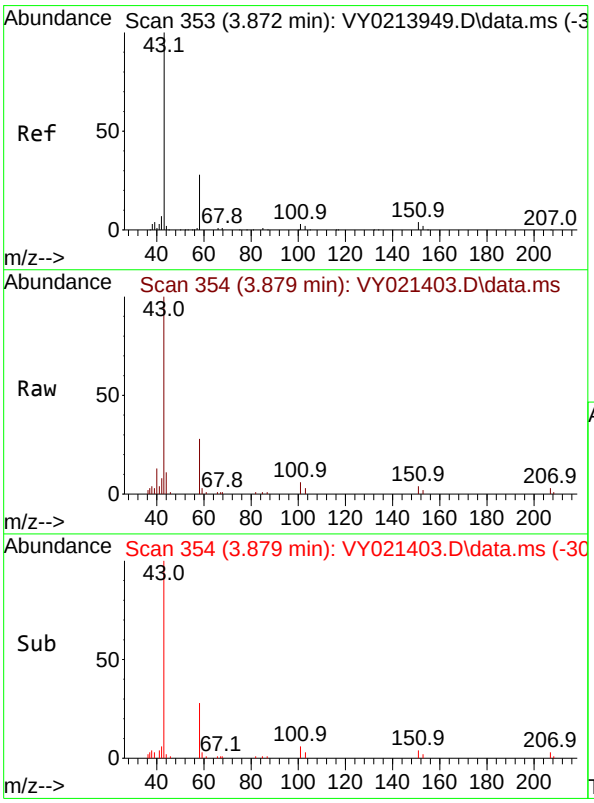
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.3	99.5
51	37.4	30.3	45.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

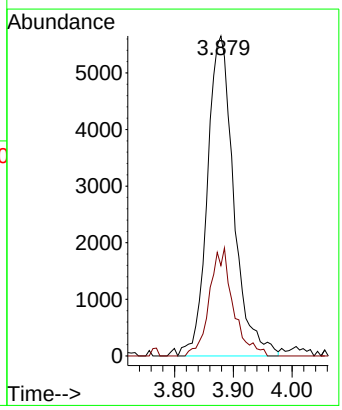


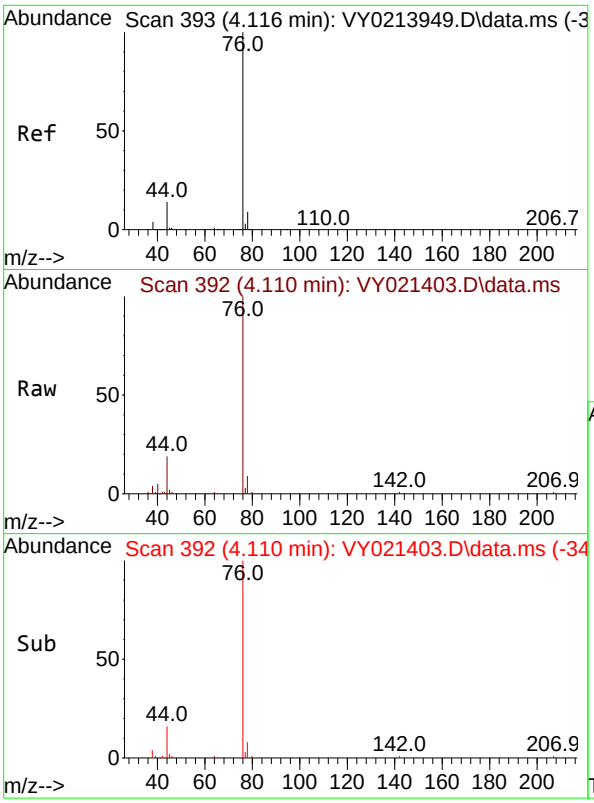


#16
Acetone
Concen: 31.204 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 17626

Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.1	33.1





#17
Carbon Disulfide
Concen: 5.380 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

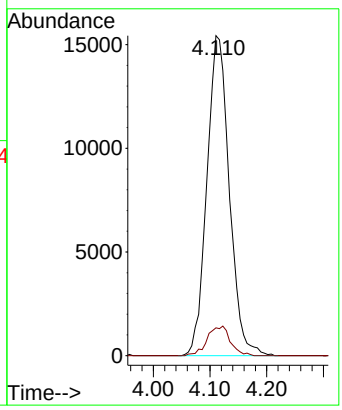
Tgt Ion: 76 Resp: 4244

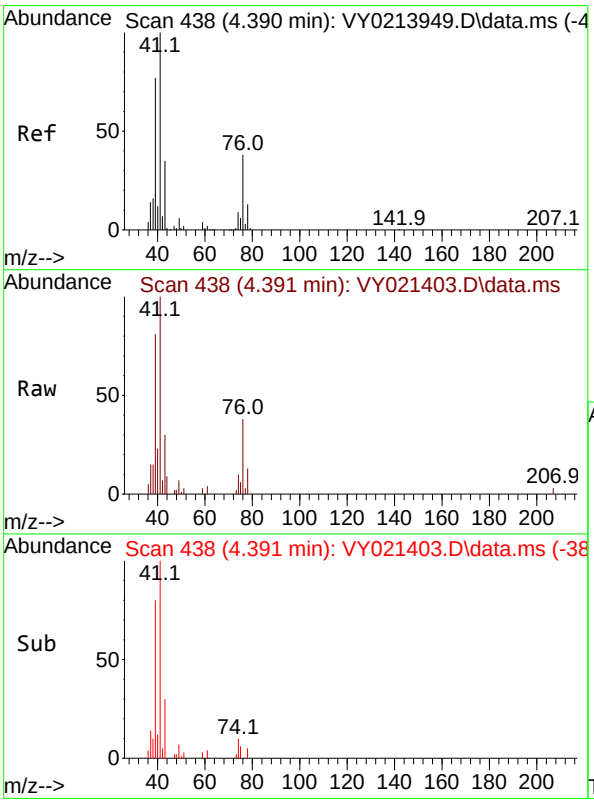
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

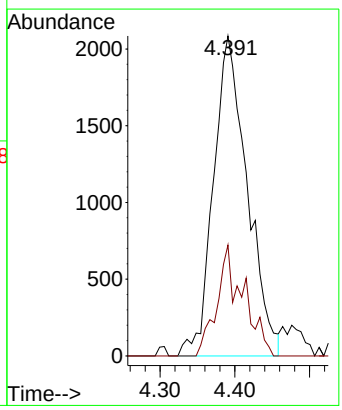


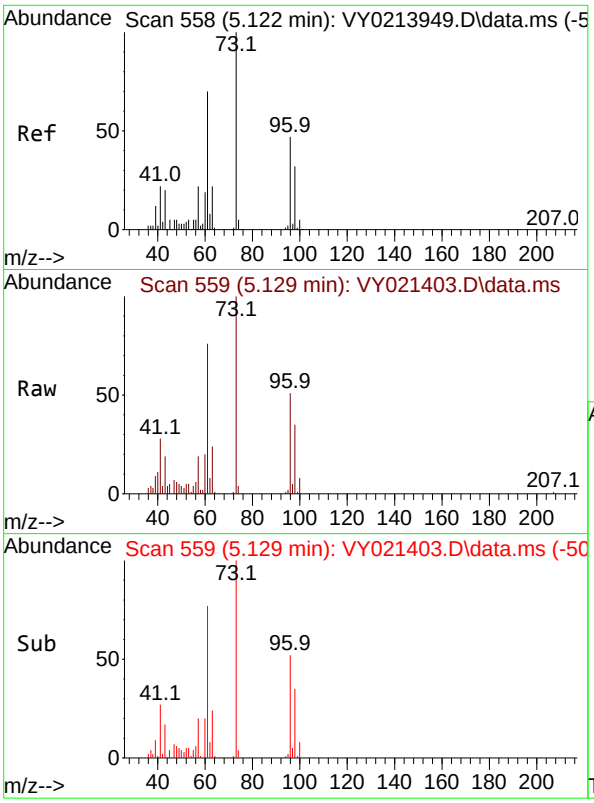


#18
Methyl Acetate
Concen: 5.235 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 6561

Ion	Ratio	Lower	Upper
43	100		
74	27.2	19.4	29.0

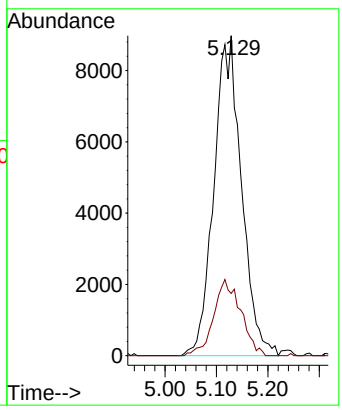




#19
Methyl tert-butyl Ether
Concen: 5.239 ug/l
RT: 5.129 min Scan# 5
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 73 Resp: 3342

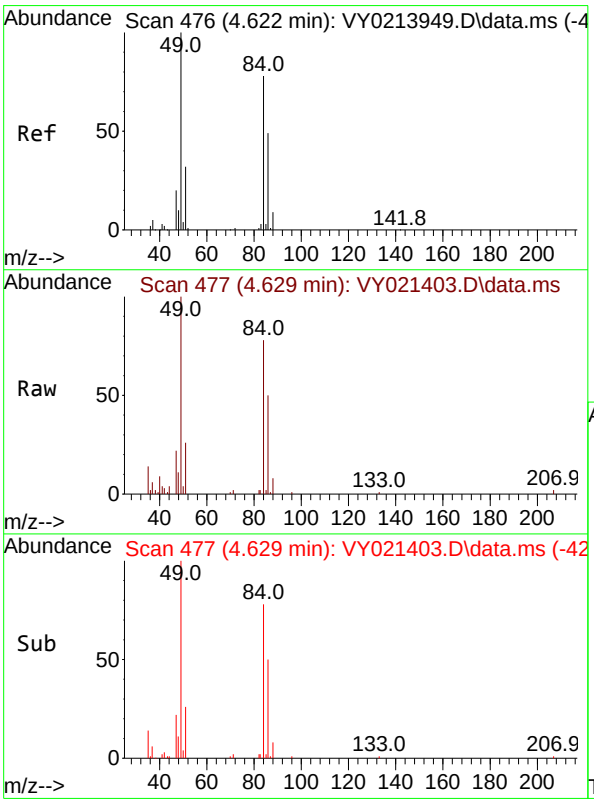
Ion	Ratio	Lower	Upper
73	100		
57	19.5	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

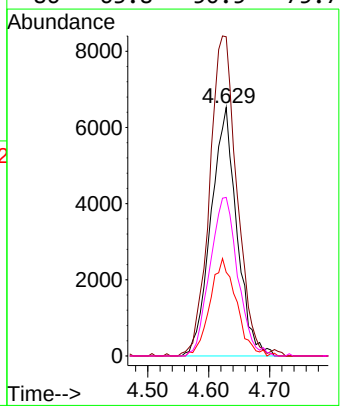
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

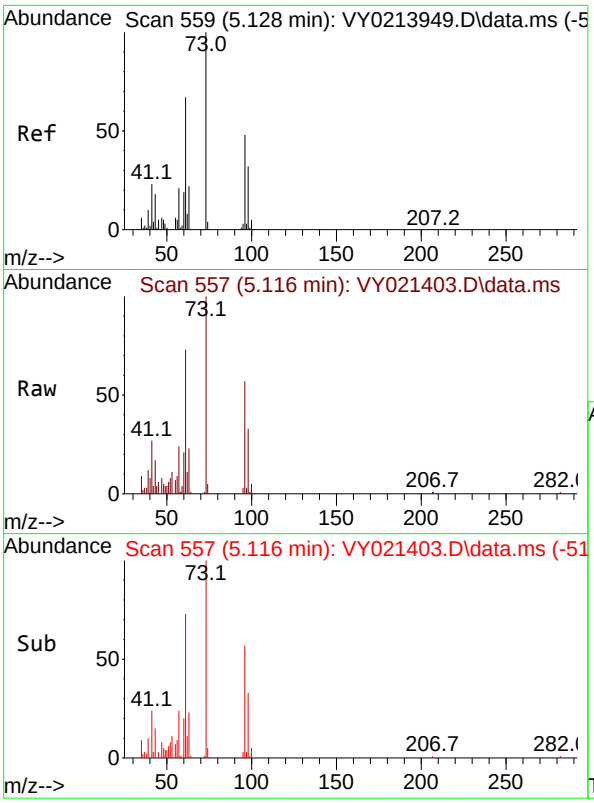


#20
Methylene Chloride
Concen: 6.511 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 84 Resp: 19304

Ion	Ratio	Lower	Upper
84	100		
49	128.4	102.0	153.0
51	33.7	33.0	49.6
86	63.8	50.5	75.7

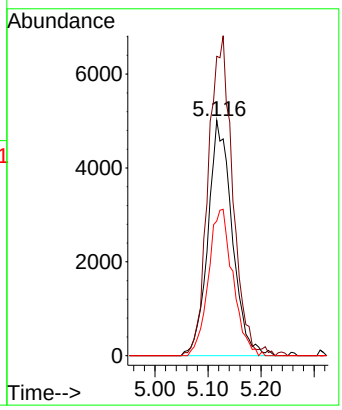




#21
trans-1,2-Dichloroethene
Concen: 5.629 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 96 Resp: 1586

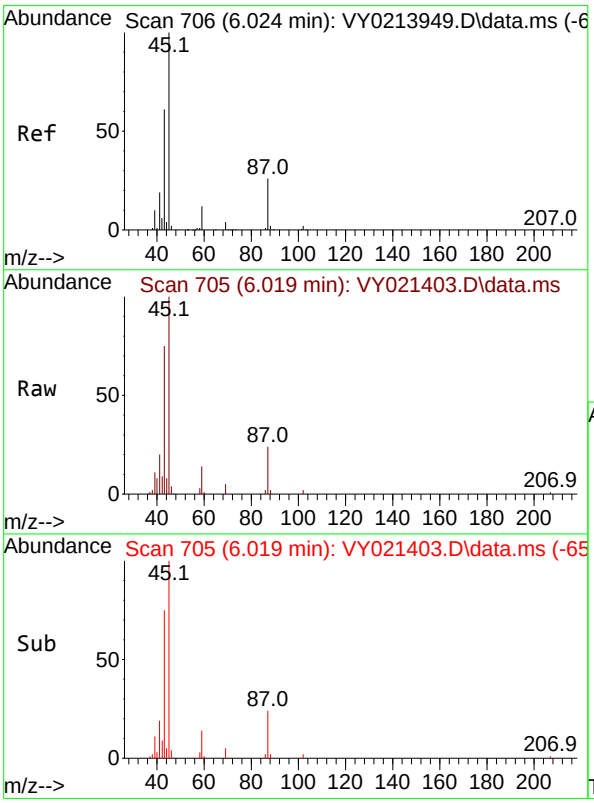
Ion	Ratio	Lower	Upper
96	100		
61	127.2	111.5	167.3
98	57.2	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

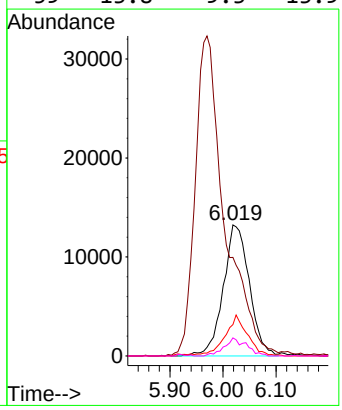
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

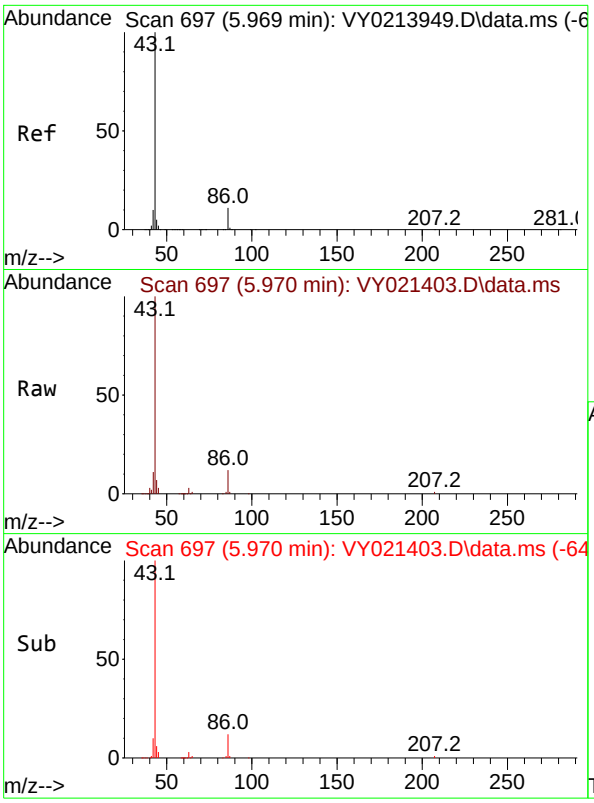


#22
Diisopropyl ether
Concen: 5.161 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 45 Resp: 45242

Ion	Ratio	Lower	Upper
45	100		
43	72.8	48.7	73.1
87	23.0	21.5	32.3
59	13.8	9.3	13.9





#23
Vinyl Acetate
Concen: 24.838 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

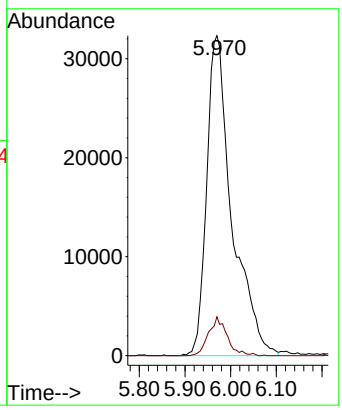
Tgt Ion: 43 Resp: 12426

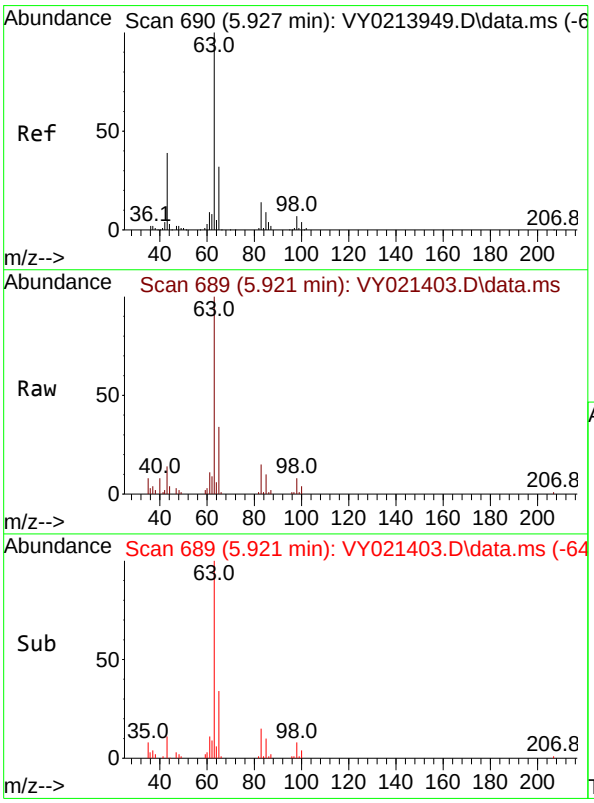
Ion	Ratio	Lower	Upper
43	100		
86	12.2	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

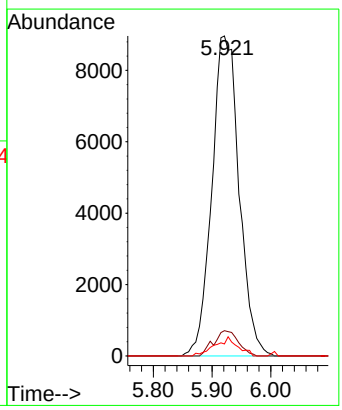


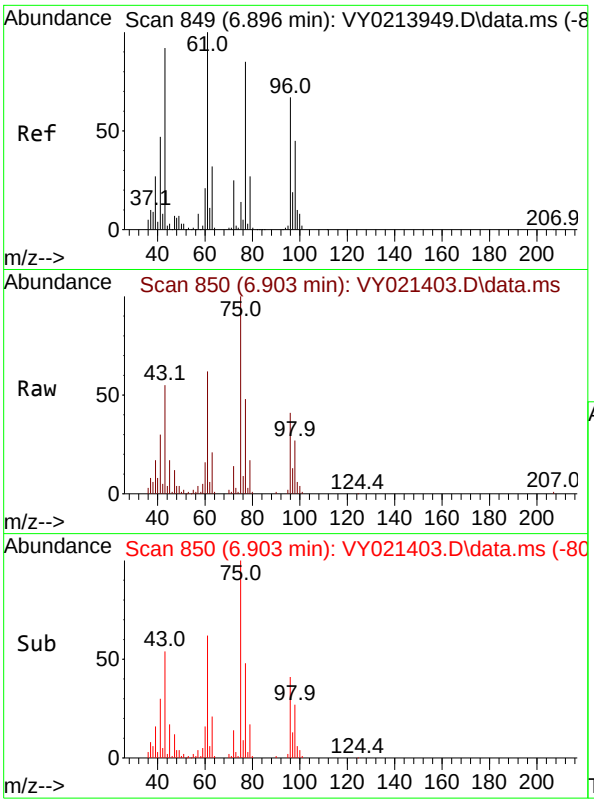


#24
1,1-Dichloroethane
Concen: 5.583 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 63 Resp: 28883

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.3	9.9
100	3.8	2.1	6.5





#25
2-Butanone
Concen: 28.249 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

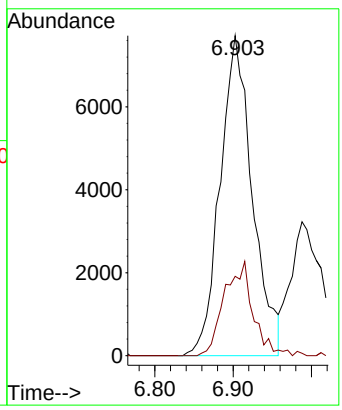
Tgt Ion: 43 Resp: 2207

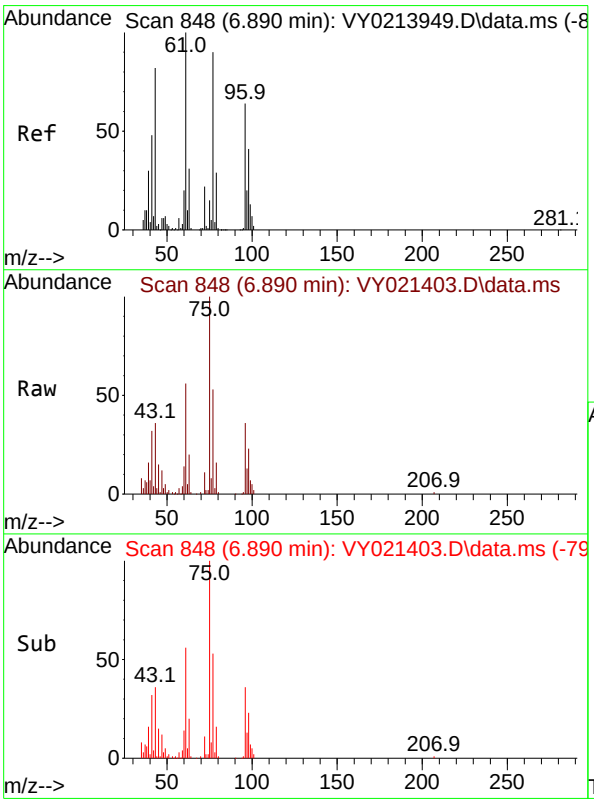
Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

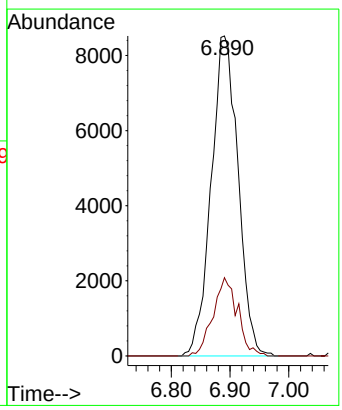


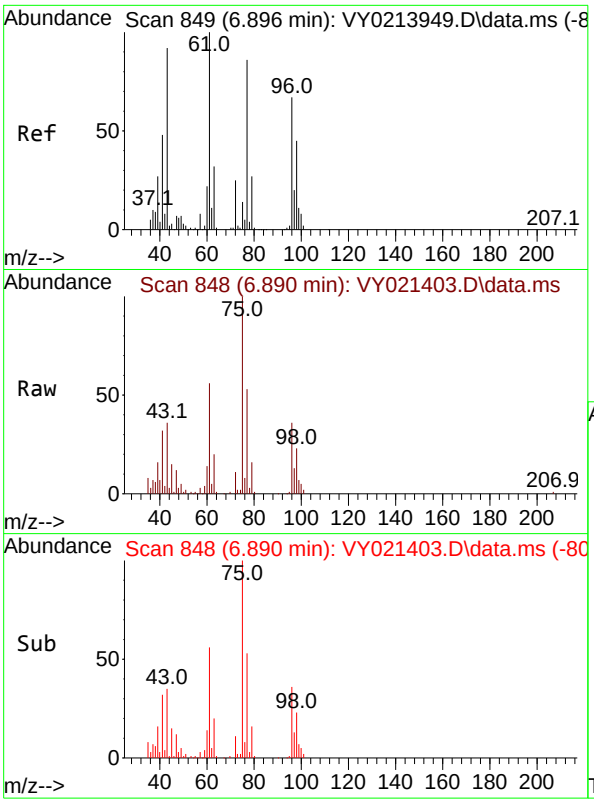


#26
2,2-Dichloropropane
Concen: 5.694 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 77 Resp: 27105

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 5.371 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

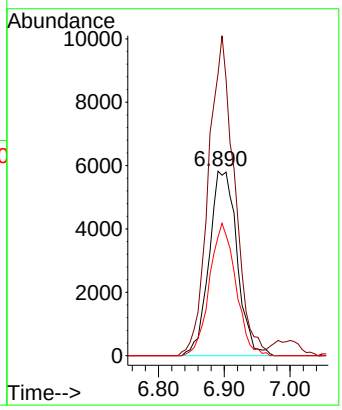
Tgt Ion: 96 Resp: 1719

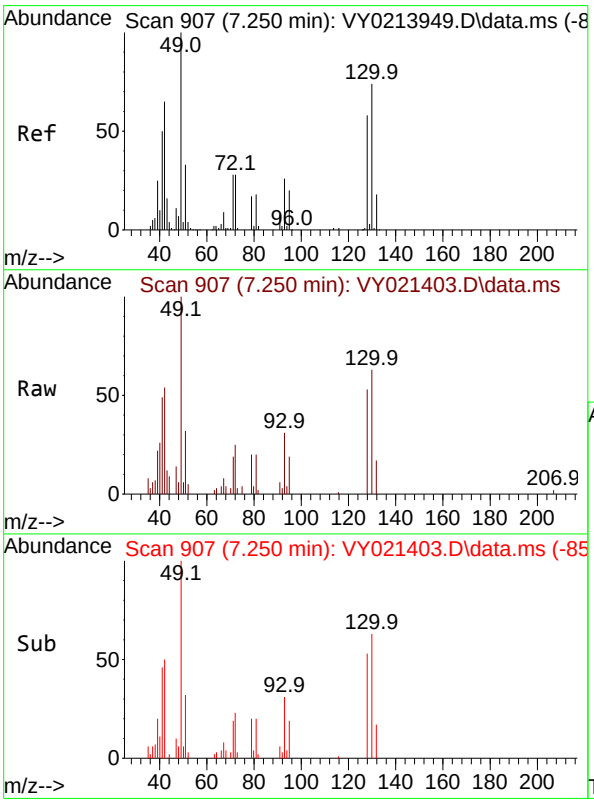
Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	300.8
98	67.4	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

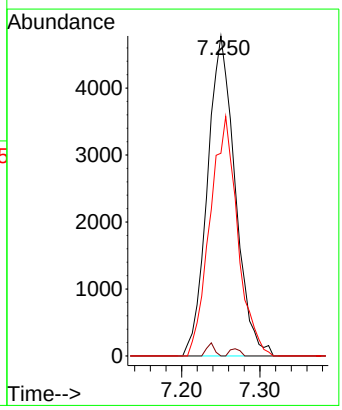


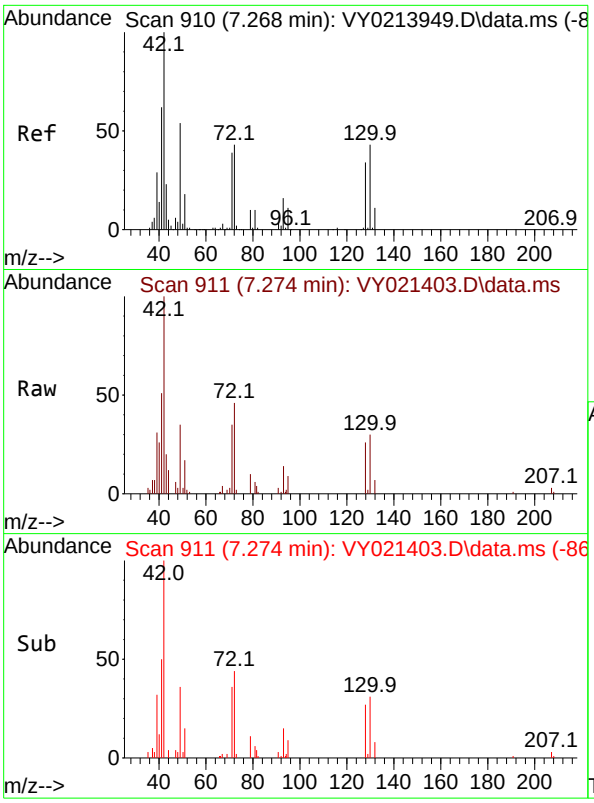


#28
Bromochloromethane
Concen: 5.403 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 49 Resp: 11718

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.2
130	75.1	59.6	89.4

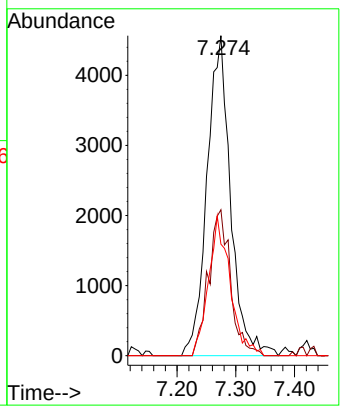




#29
Tetrahydrofuran
Concen: 26.305 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 42 Resp: 1268

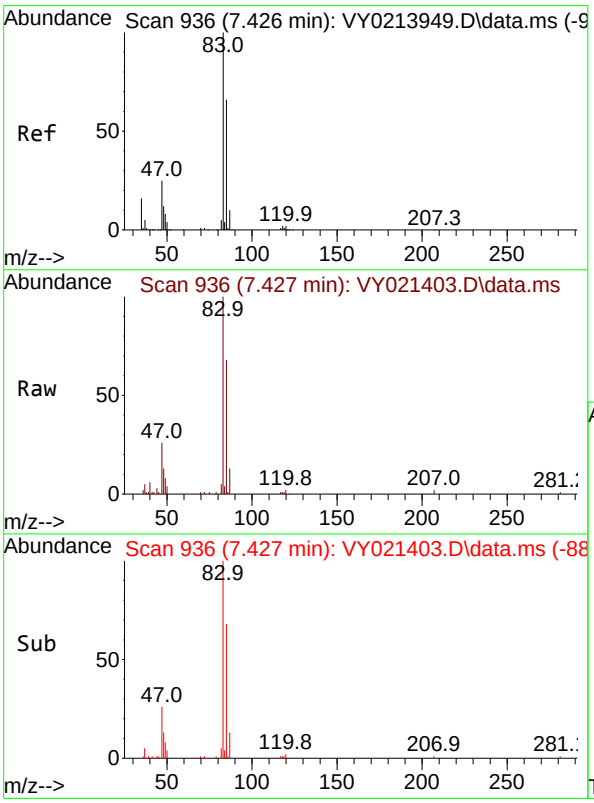
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.8	52.2
71	40.0	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

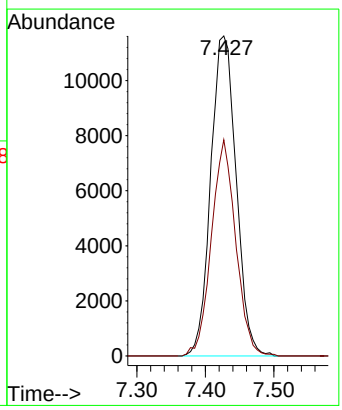
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

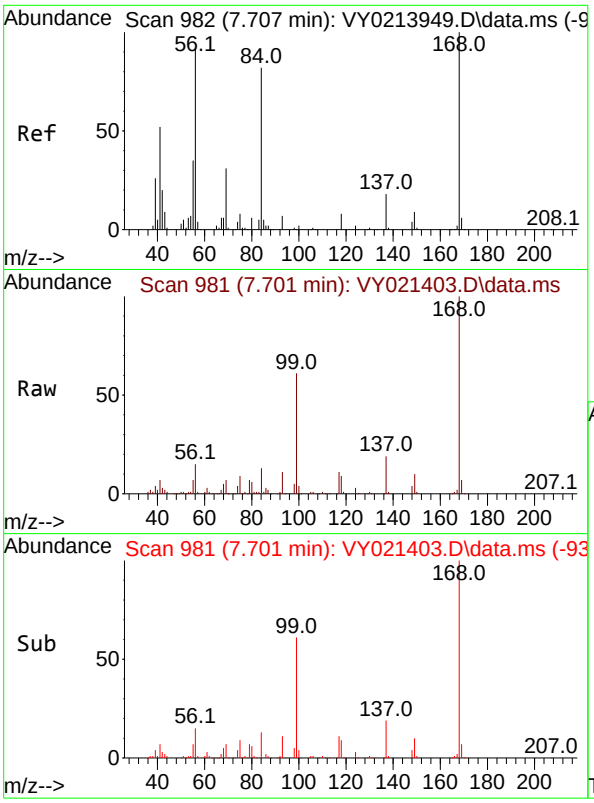


#30
Chloroform
Concen: 5.575 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 83 Resp: 29950

Ion	Ratio	Lower	Upper
83	100		
85	67.5	53.1	79.7

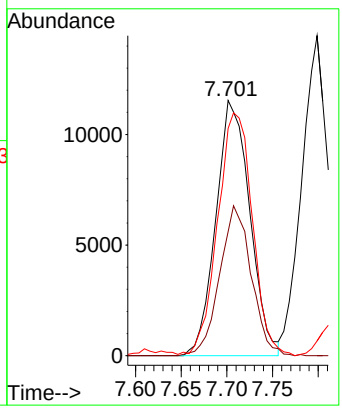




#31
Cyclohexane
Concen: 6.145 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 56 Resp: 2980

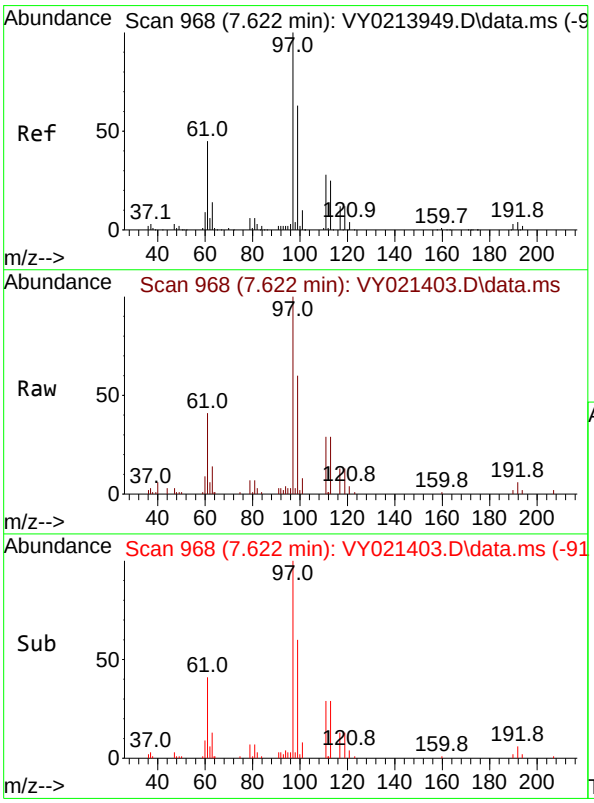
Ion	Ratio	Lower	Upper
56	100		
69	48.6	27.0	40.4
84	88.5	71.1	106.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

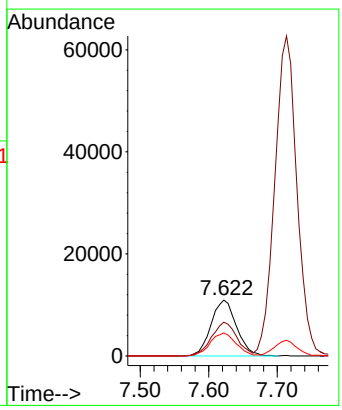
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

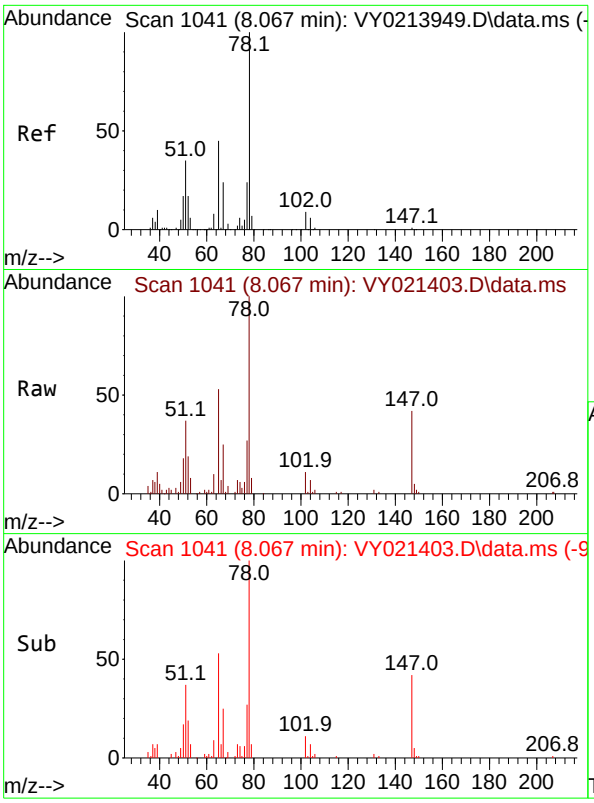


#32
1,1,1-Trichloroethane
Concen: 5.734 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 97 Resp: 28207

Ion	Ratio	Lower	Upper
97	100		
99	60.1	51.7	77.5
61	42.3	35.7	53.5





#33
1,2-Dichloroethane-d4
Concen: 5.733 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

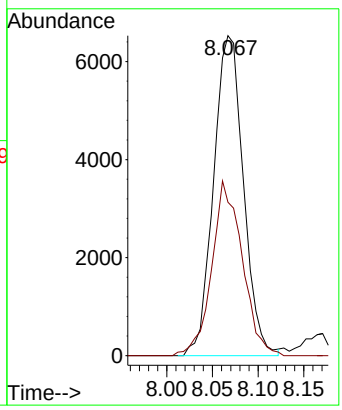
Tgt Ion: 65 Resp: 1484

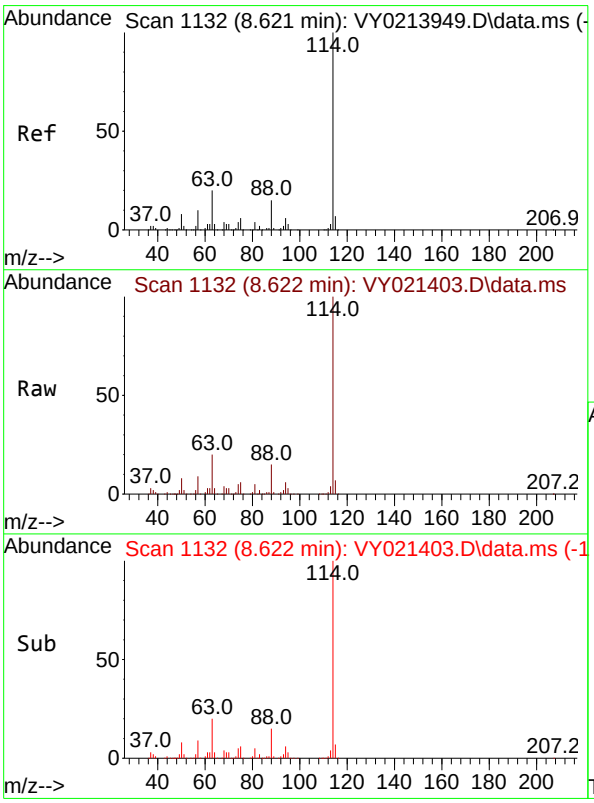
Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	102.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

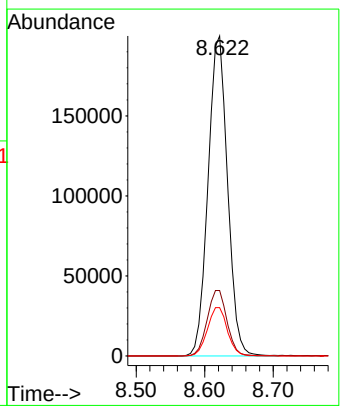


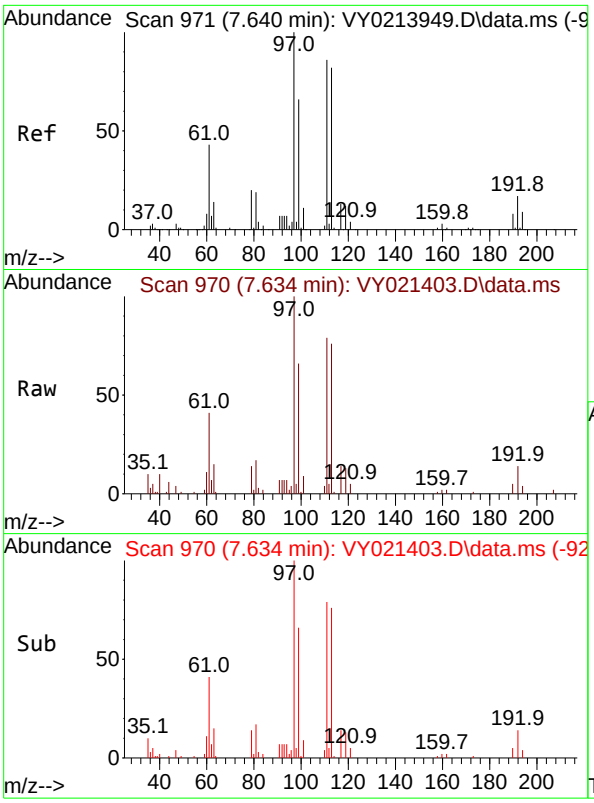


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:114 Resp: 394876

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.8
88	15.1	0.0	30.8

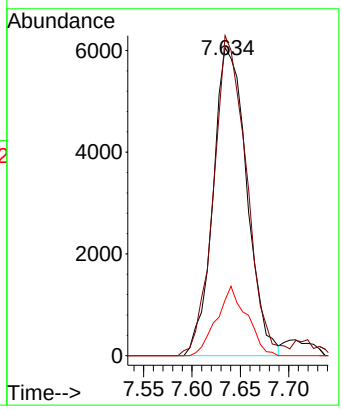




#35
Dibromofluoromethane
Concen: 5.637 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:113 Resp: 1463

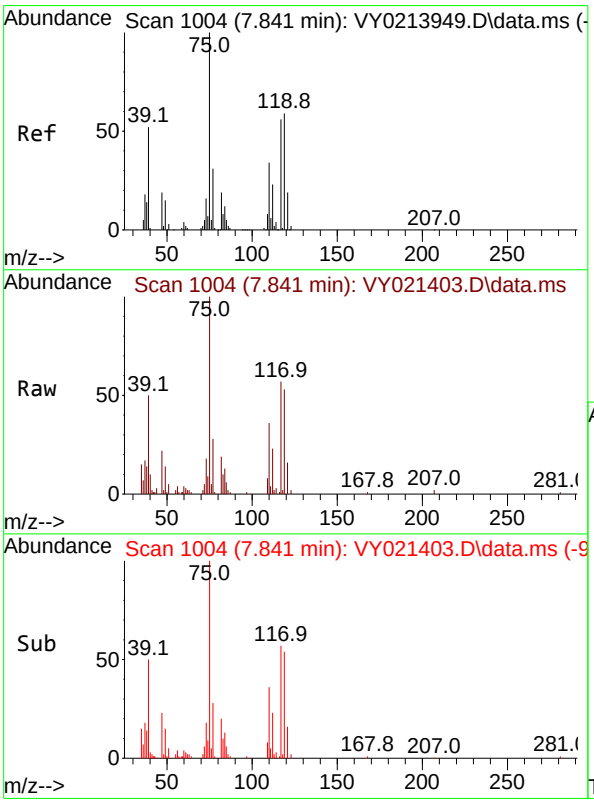
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.0	123.0
192	20.1	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

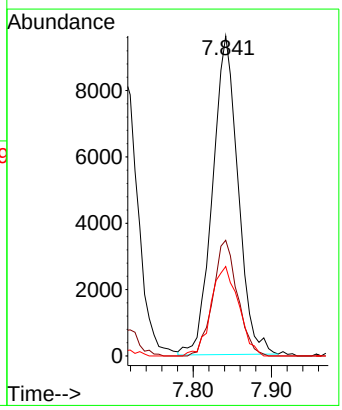
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

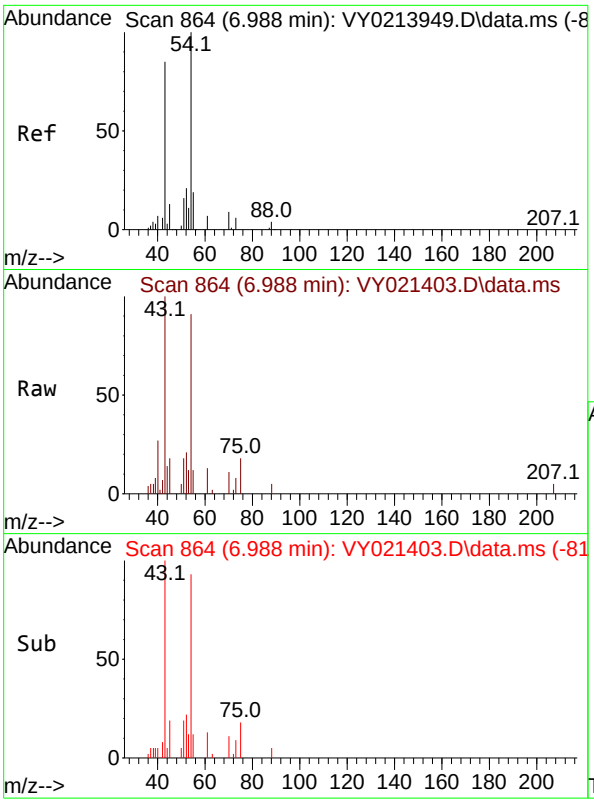


#36
1,1-Dichloropropene
Concen: 5.340 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 75 Resp: 21694

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.3	51.7
77	30.4	25.4	38.2

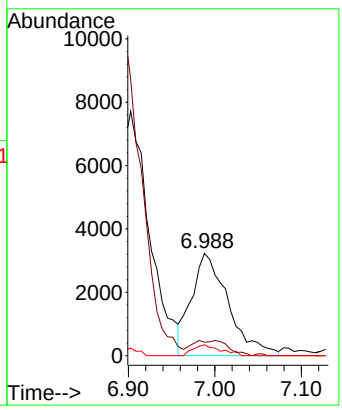




#37
Ethyl Acetate
Concen: 5.205 ug/l m
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 953

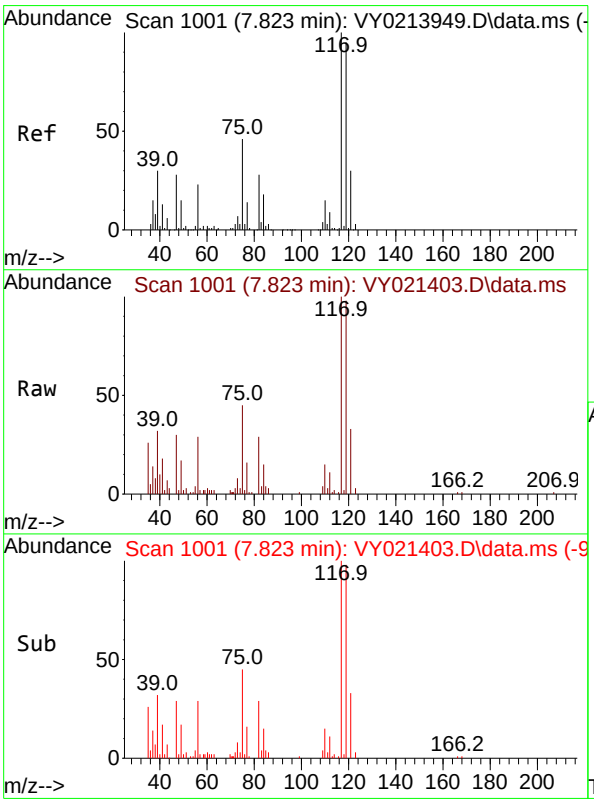
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.4	17.0
70	7.9	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

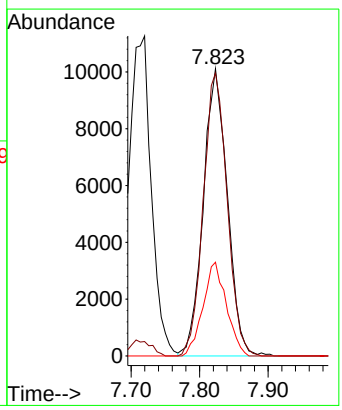
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

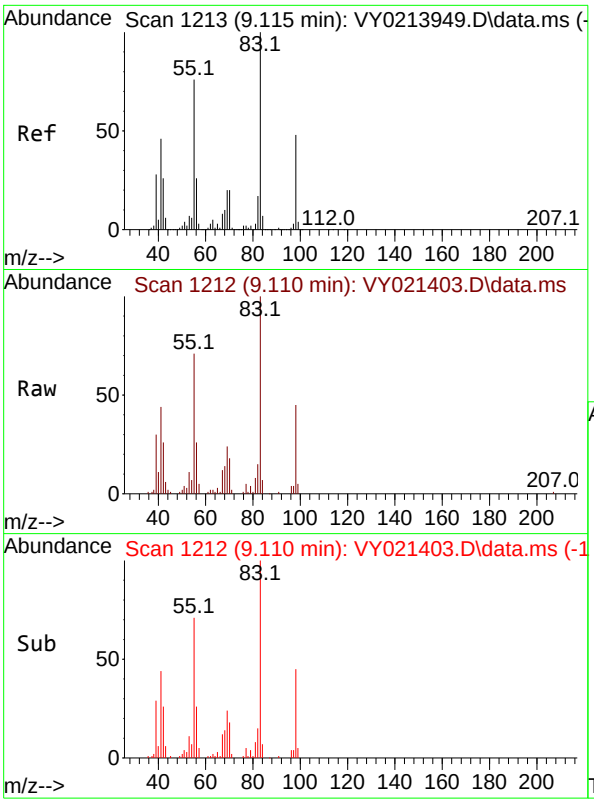


#38
Carbon Tetrachloride
Concen: 5.281 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:117 Resp: 24674

Ion	Ratio	Lower	Upper
117	100		
119	98.5	75.8	113.8
121	32.7	23.9	35.9





#39
Methylcyclohexane
Concen: 5.079 ug/l
RT: 9.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

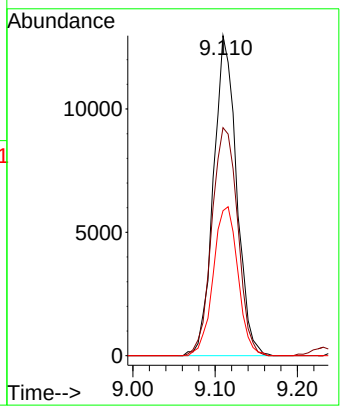
Tgt Ion: 83 Resp: 2531

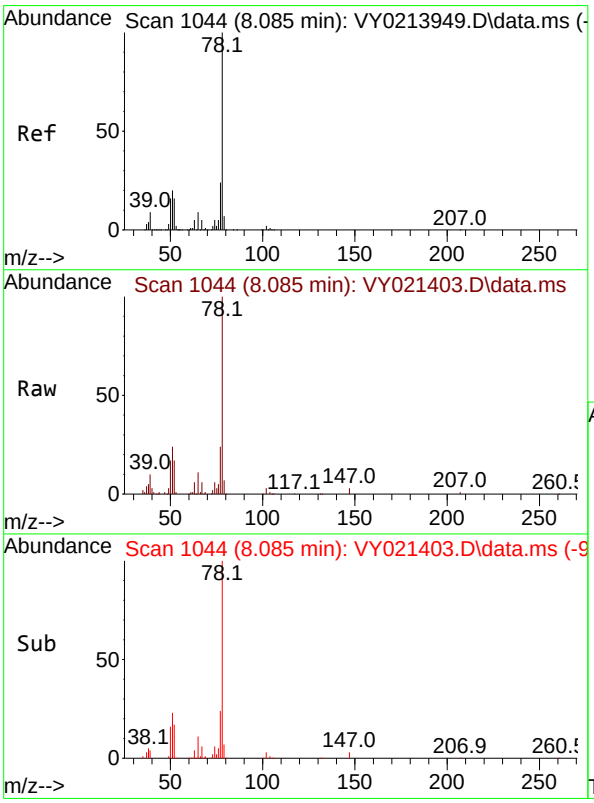
Ion	Ratio	Lower	Upper
83	100		
55	71.2	60.7	91.1
98	45.3	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

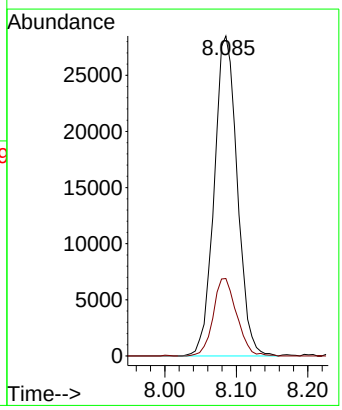


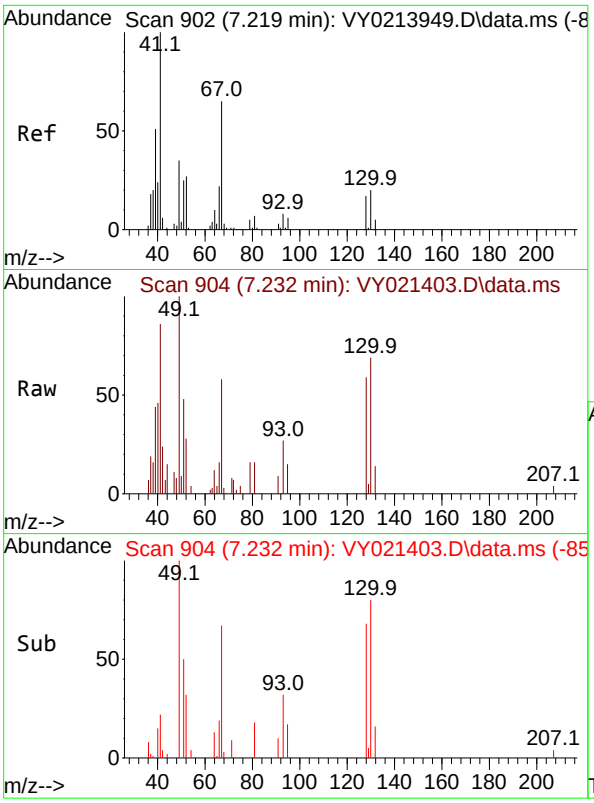


#40
Benzene
Concen: 5.339 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 78 Resp: 63894

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4

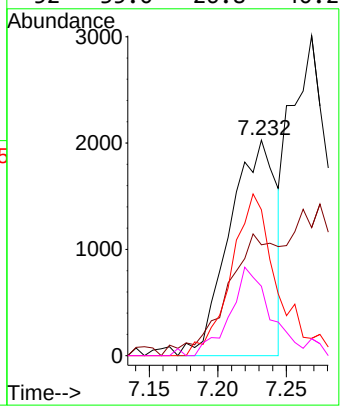




#41
Methacrylonitrile
Concen: 4.834 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.013 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 41 Resp: 482

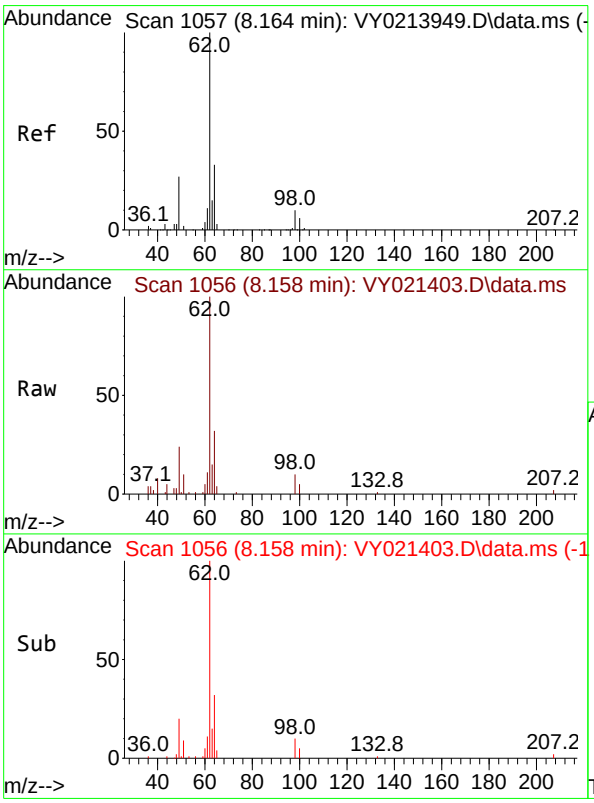
Ion	Ratio	Lower	Upper
41	100		
39	60.3	35.0	52.6
67	74.9	61.2	91.8
52	35.0	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

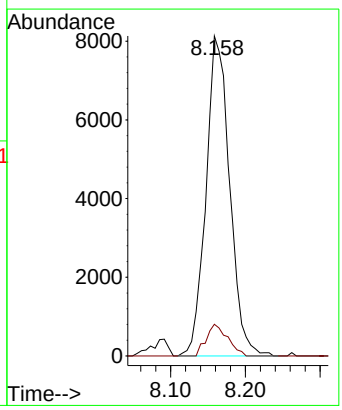
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

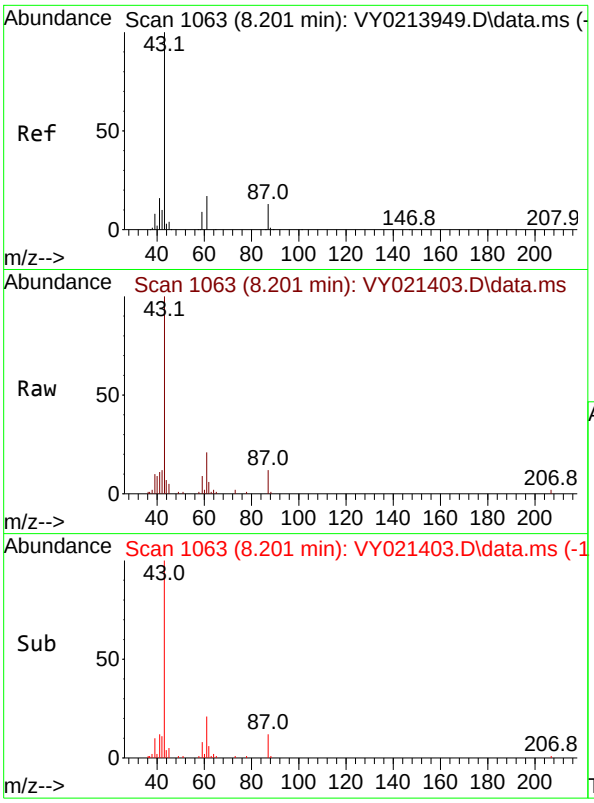


#42
1,2-Dichloroethane
Concen: 5.348 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 62 Resp: 17906

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2

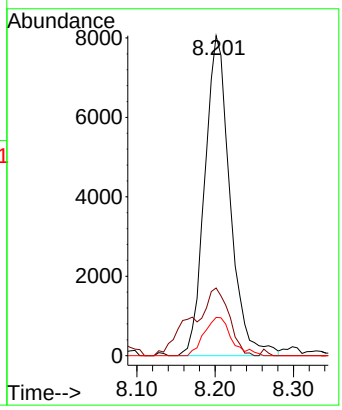




#43
Isopropyl Acetate
Concen: 5.168 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 1801

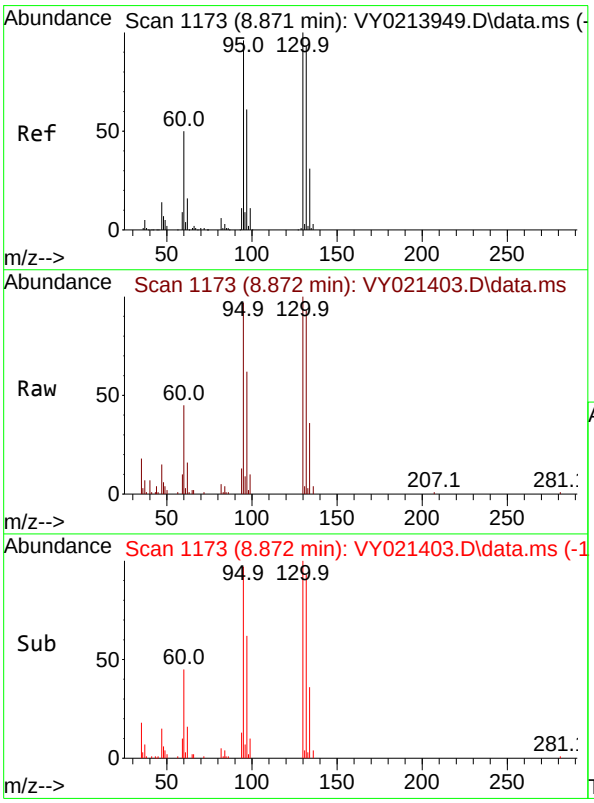
Ion	Ratio	Lower	Upper
43	100		
61	31.1	23.4	35.0
87	12.9	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

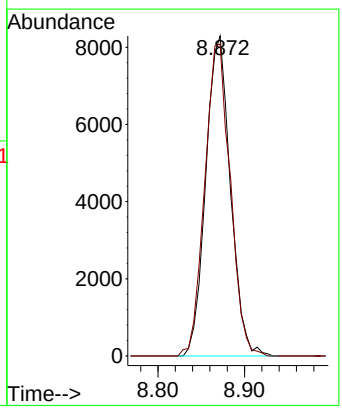
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

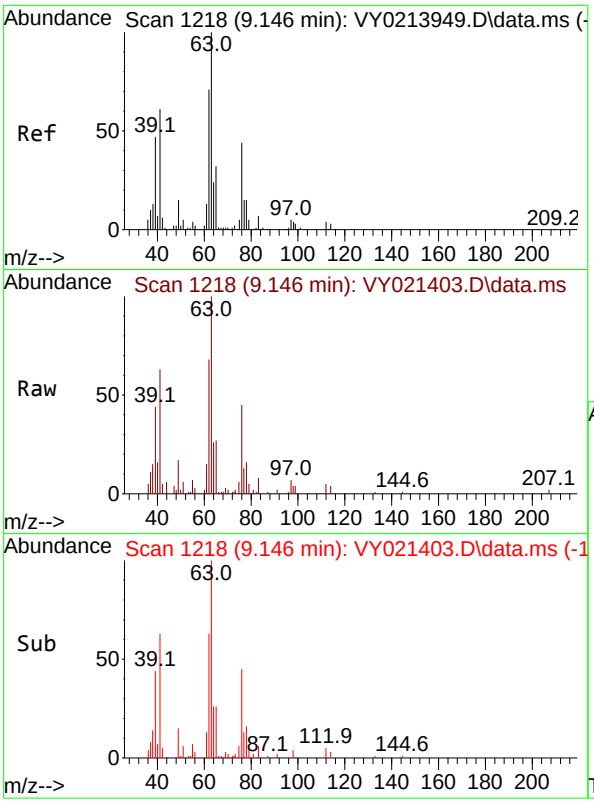


#44
Trichloroethene
Concen: 5.417 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:130 Resp: 16384

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	191.6

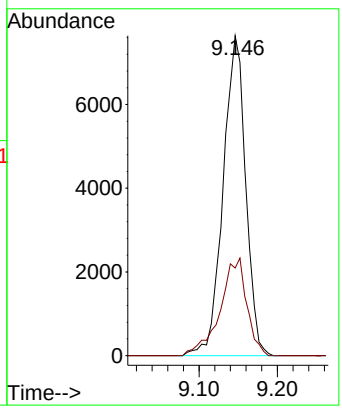




#45
1,2-Dichloropropane
Concen: 5.372 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 63 Resp: 1530

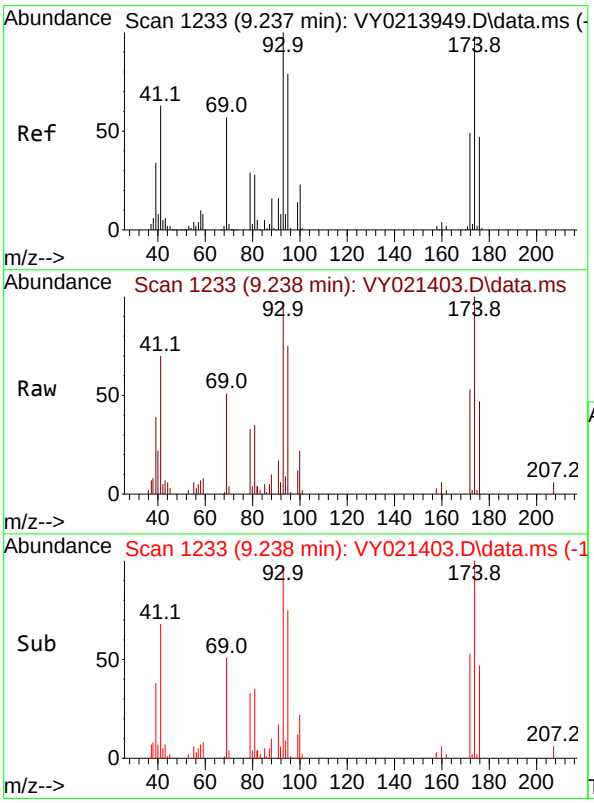
Ion	Ratio	Lower	Upper
63	100		
65	27.4	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

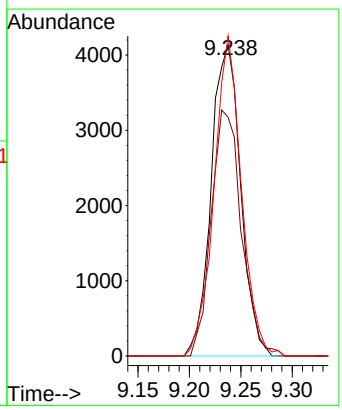
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

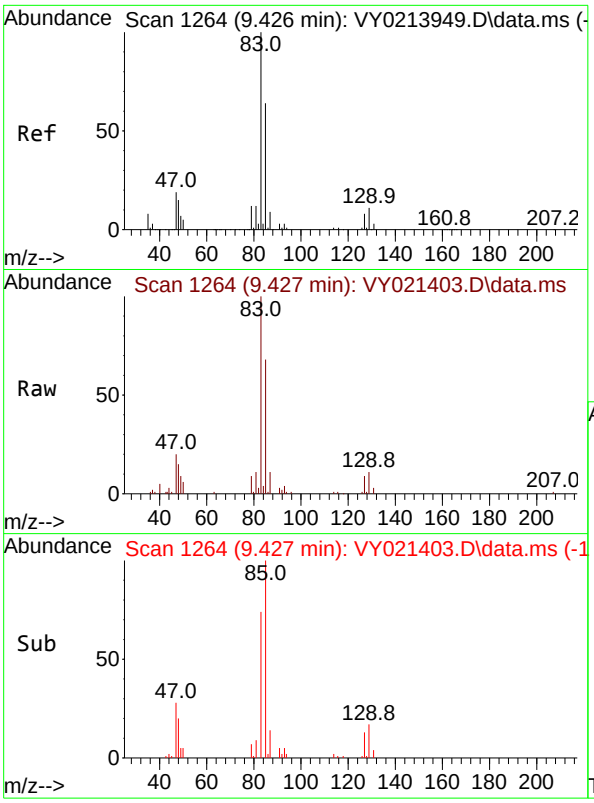


#46
Dibromomethane
Concen: 5.181 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 93 Resp: 8211

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.8	98.8
174	95.9	77.9	116.9

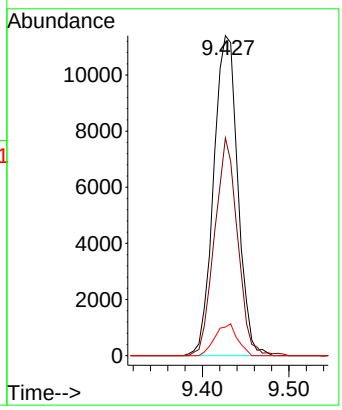




#47
Bromodichloromethane
Concen: 5.247 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 83 Resp: 2208

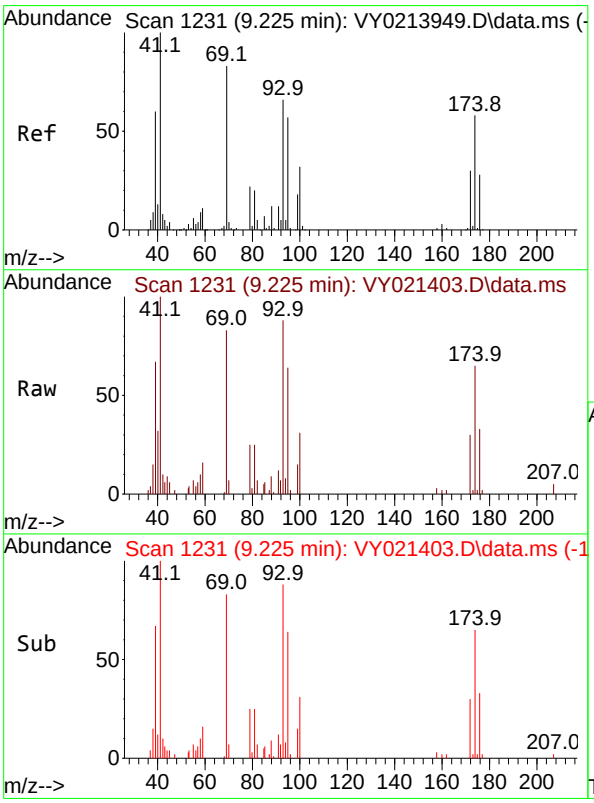
Ion	Ratio	Lower	Upper
83	100		
85	68.0	51.1	76.7
127	9.0	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

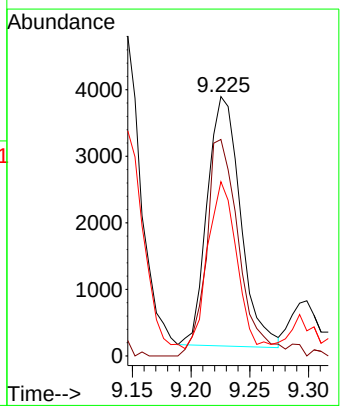
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

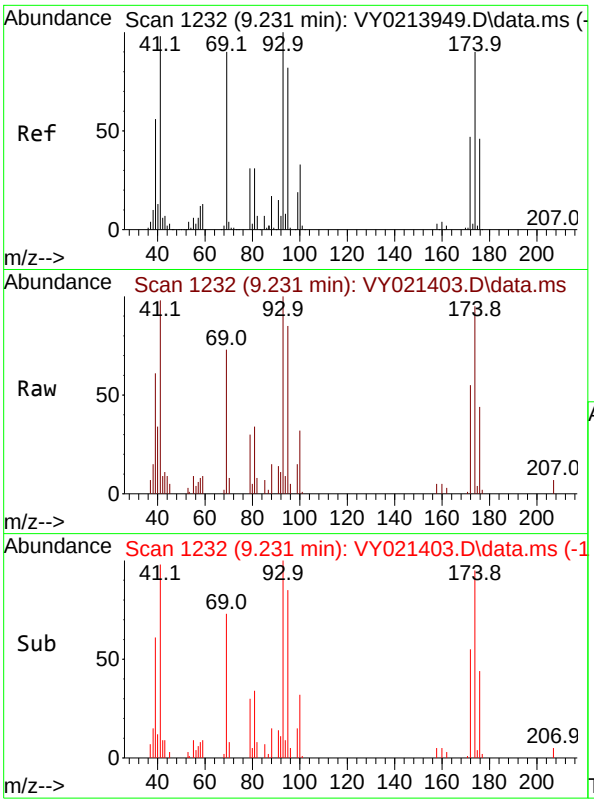


#48
Methyl methacrylate
Concen: 4.568 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 41 Resp: 7383

Ion	Ratio	Lower	Upper
41	100		
69	87.1	67.8	101.8
39	59.5	46.4	69.6

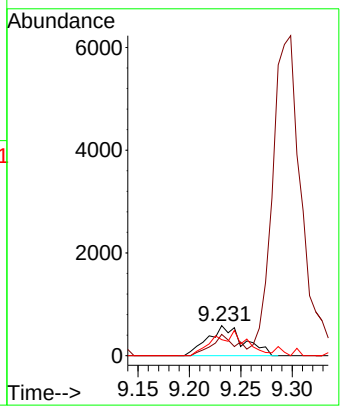




#49
1,4-Dioxane
Concen: 91.537 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 88 Resp: 142

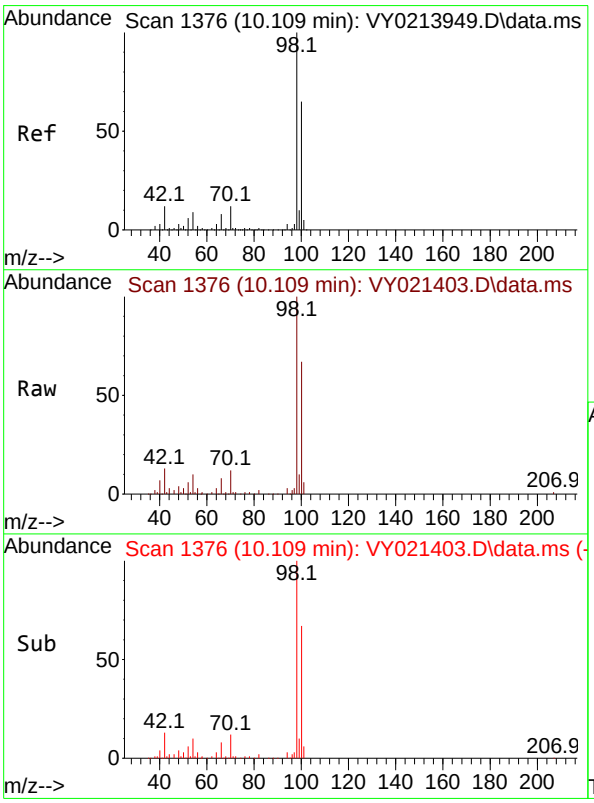
Ion	Ratio	Lower	Upper
88	100		
43	48.4	25.0	37.4
58	74.3	58.4	87.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

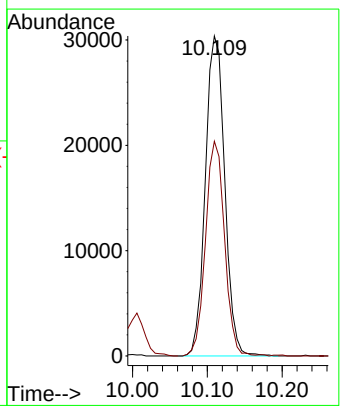
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

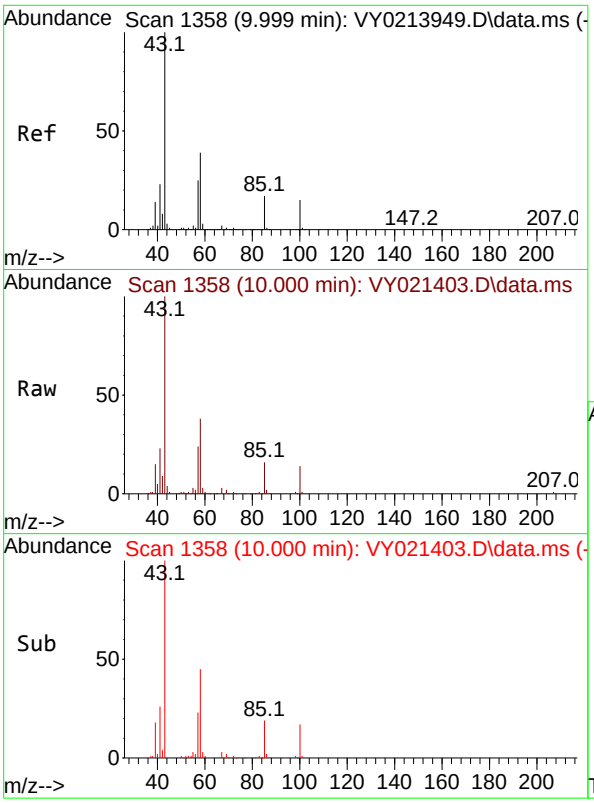


#50
Toluene-d8
Concen: 5.562 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 98 Resp: 54665

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 24.077 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

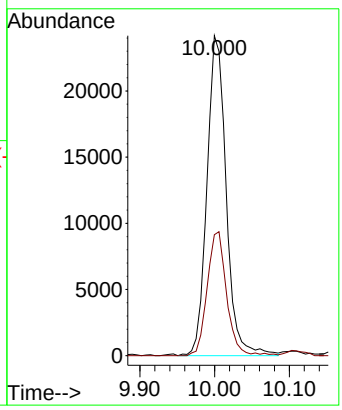
Tgt Ion: 43 Resp: 4330

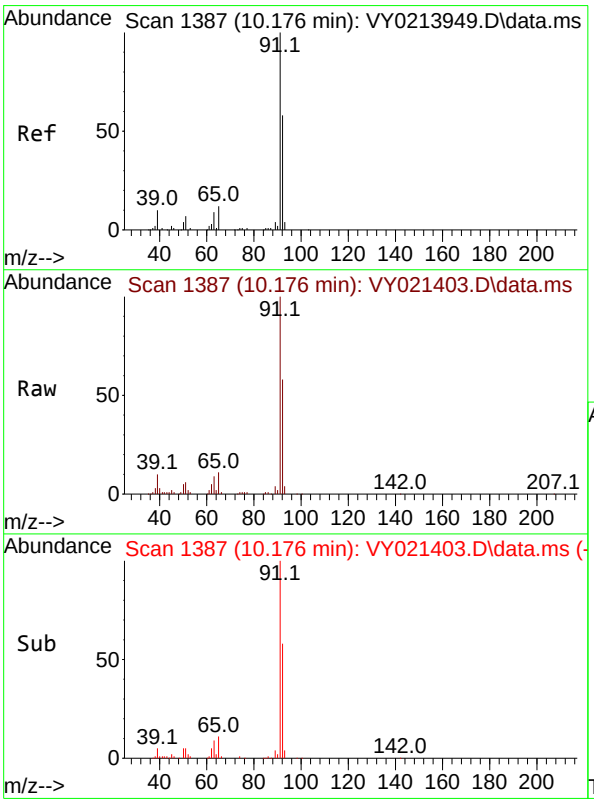
Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

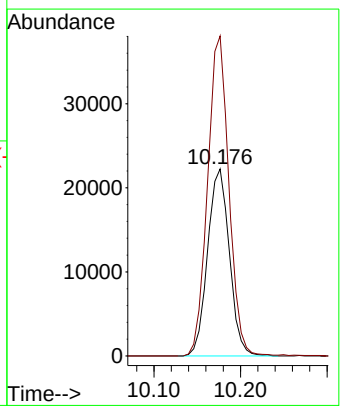


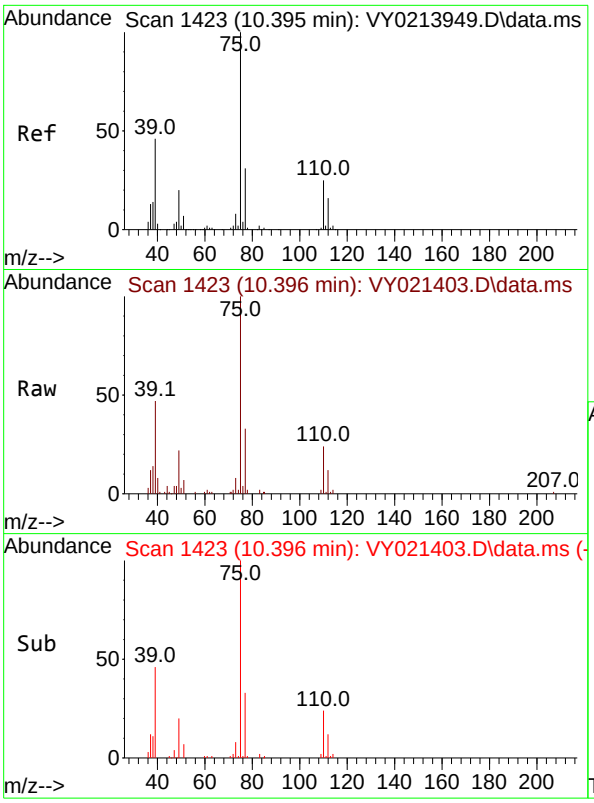


#52
Toluene
Concen: 5.146 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 92 Resp: 38833

Ion	Ratio	Lower	Upper
92	100		
91	167.3	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 4.905 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

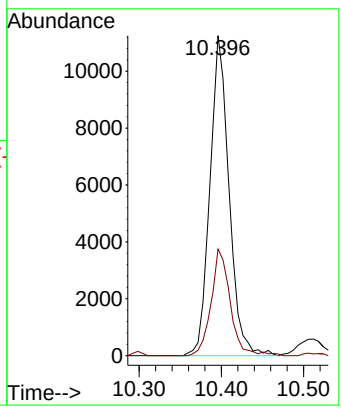
Tgt Ion: 75 Resp: 1818

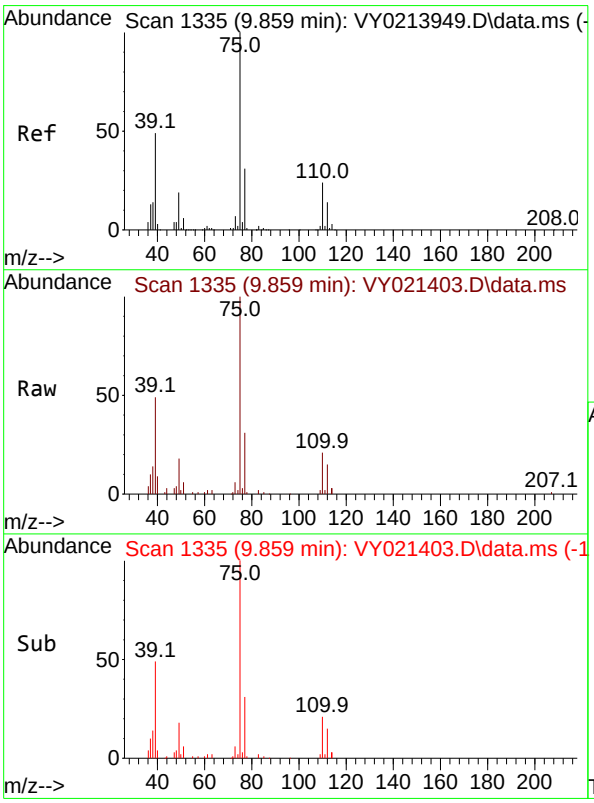
Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

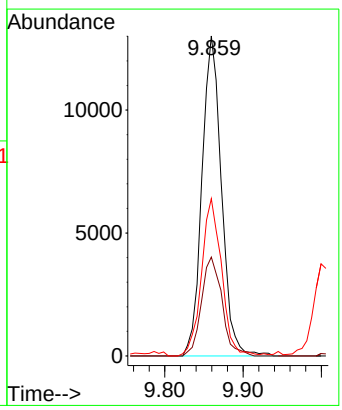


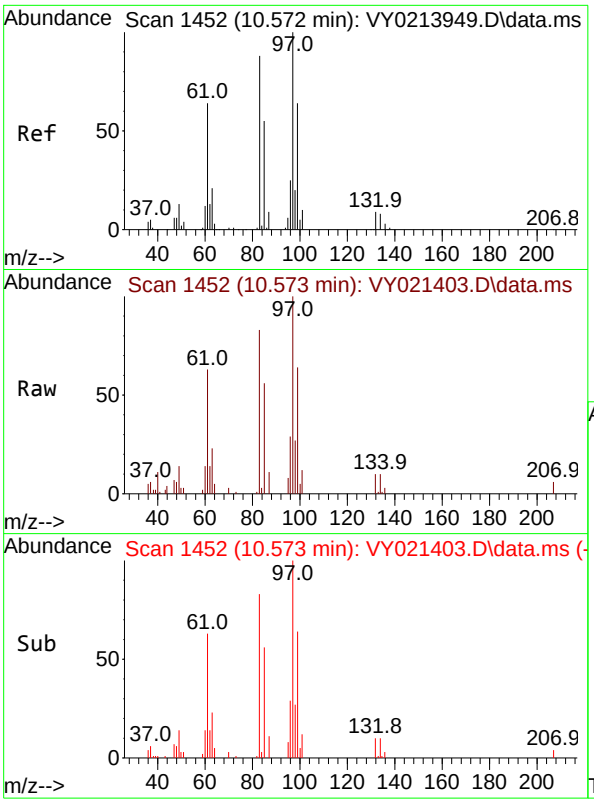


#54
cis-1,3-Dichloropropene
Concen: 5.111 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 75 Resp: 22504

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.6	37.0
39	49.2	39.4	59.2

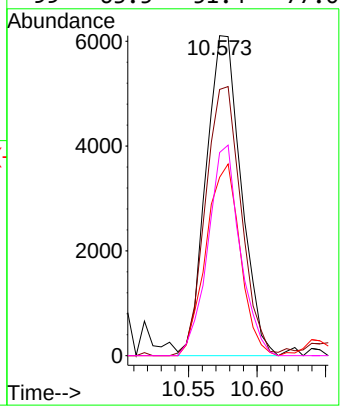




#55
1,1,2-Trichloroethane
Concen: 5.227 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 97 Resp: 1083

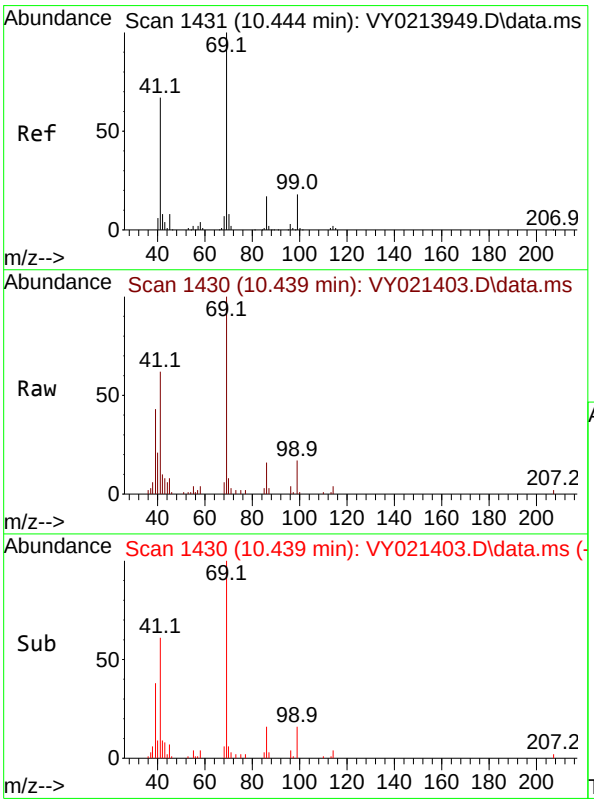
Ion	Ratio	Lower	Upper
97	100		
83	82.3	70.0	105.0
85	55.8	44.3	66.5
99	63.5	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

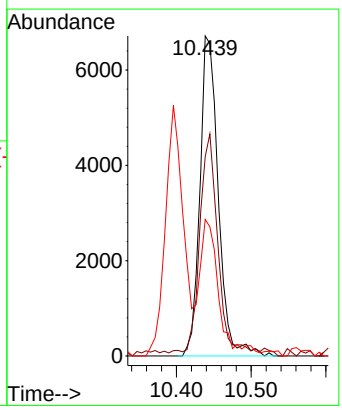
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

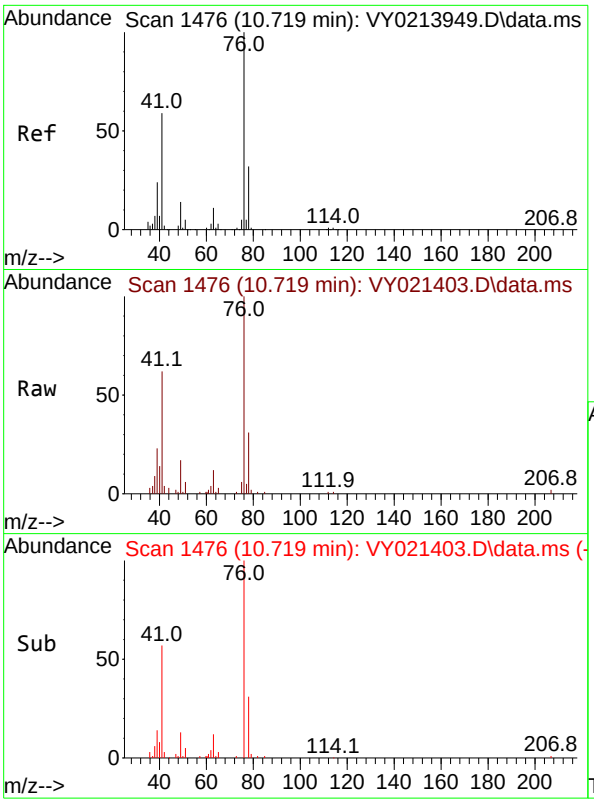


#56
Ethyl methacrylate
Concen: 4.340 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 69 Resp: 11475

Ion	Ratio	Lower	Upper
69	100		
41	67.3	53.3	79.9
39	42.8	31.0	46.6





#57
1,3-Dichloropropane
Concen: 5.115 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

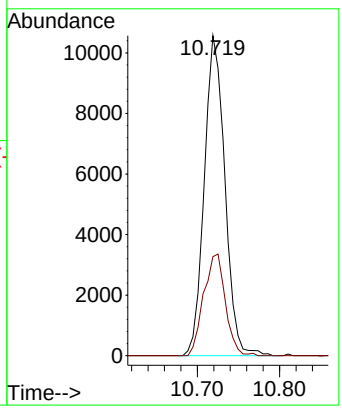
Tgt Ion: 76 Resp: 1838

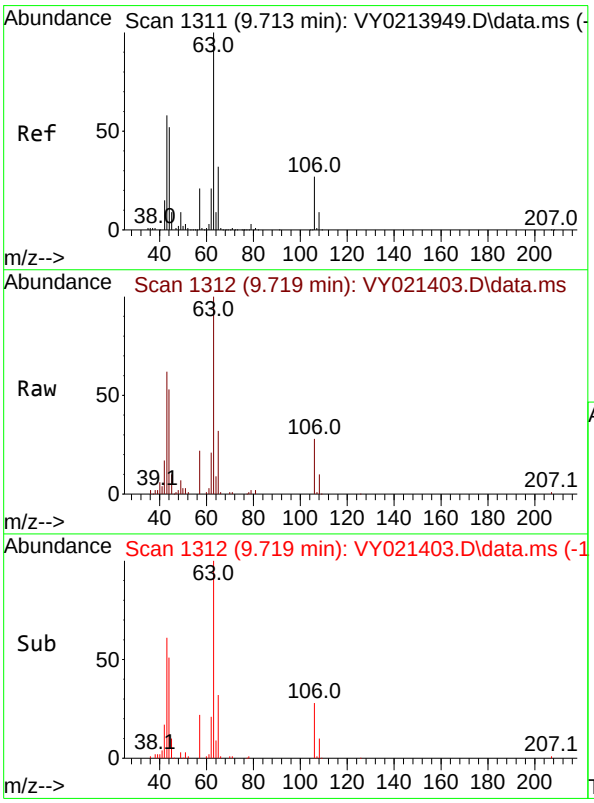
Ion	Ratio	Lower	Upper
76	100		
78	33.5	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

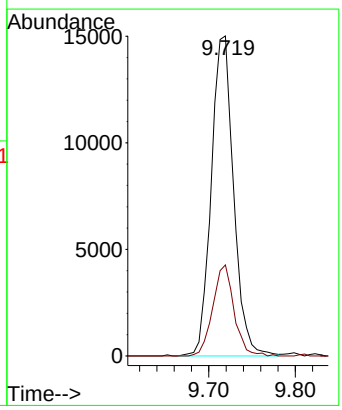


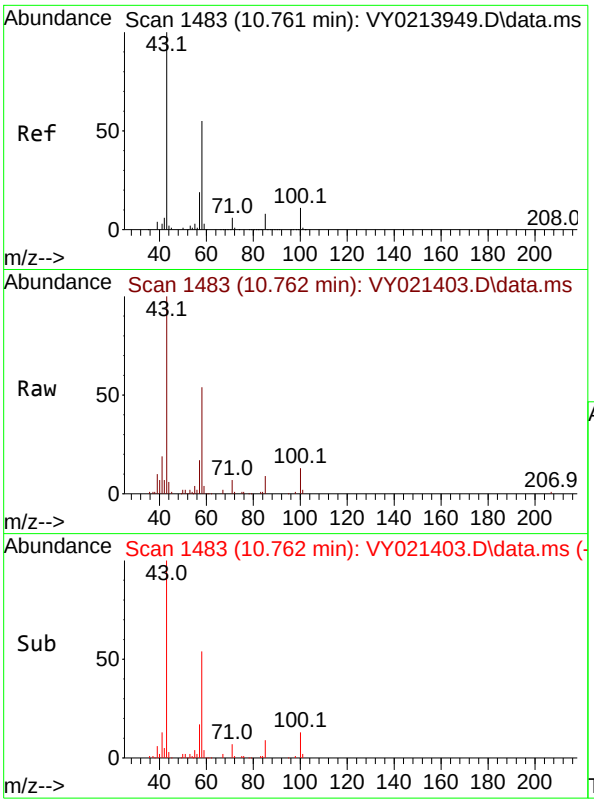


#58
2-Chloroethyl Vinyl ether
Concen: 22.045 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 63 Resp: 26908

Ion	Ratio	Lower	Upper
63	100		
106	27.0	22.1	33.1





#59
2-Hexanone
Concen: 23.073 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

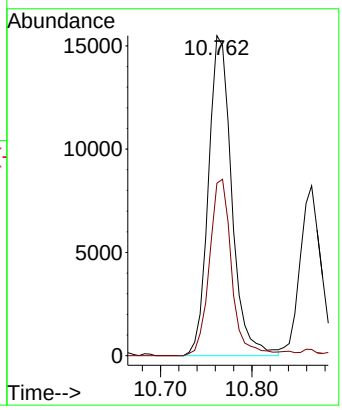
Tgt Ion: 43 Resp: 2744

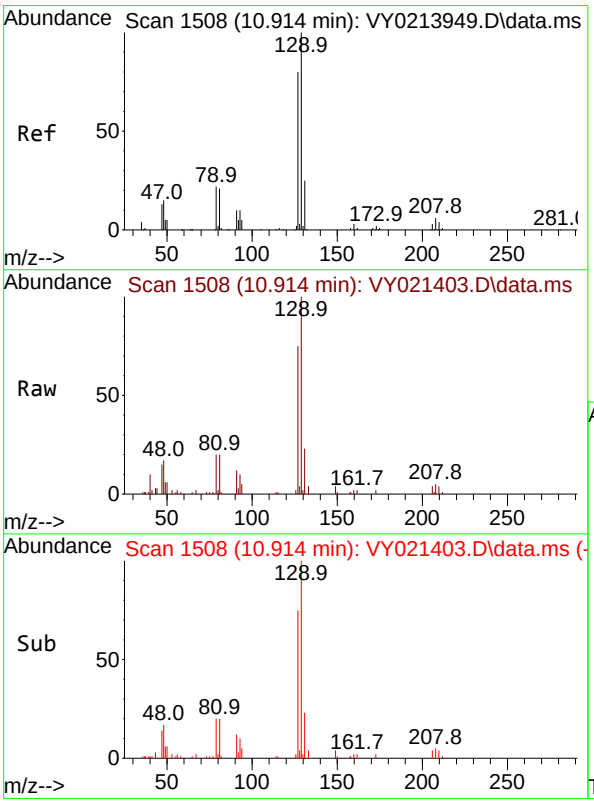
Ion	Ratio	Lower	Upper
43	100		
58	52.5	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

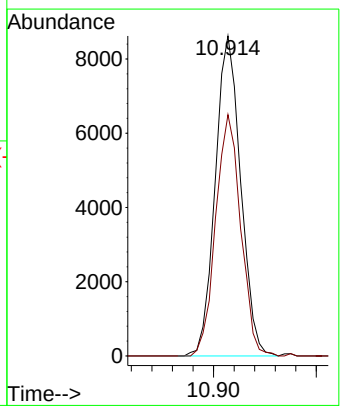


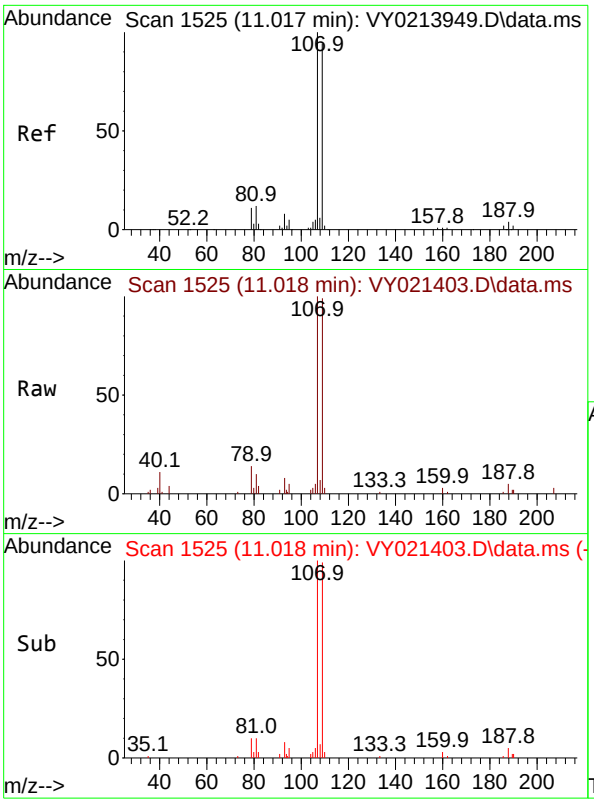


#60
Dibromochloromethane
Concen: 5.197 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:129 Resp: 14771

Ion	Ratio	Lower	Upper
129	100		
127	74.3	39.1	117.3





#61
1,2-Dibromoethane
Concen: 5.207 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

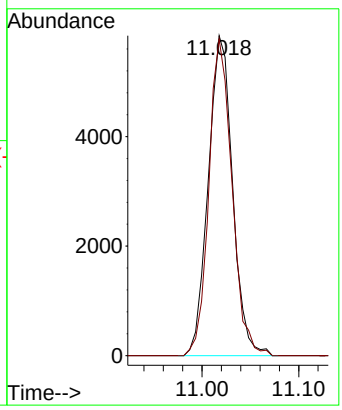
Tgt Ion:107 Resp: 1018

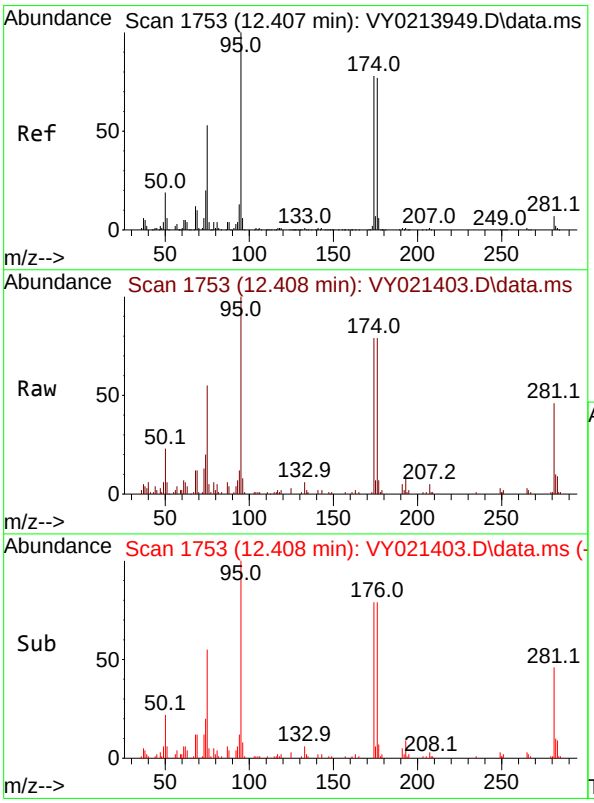
Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

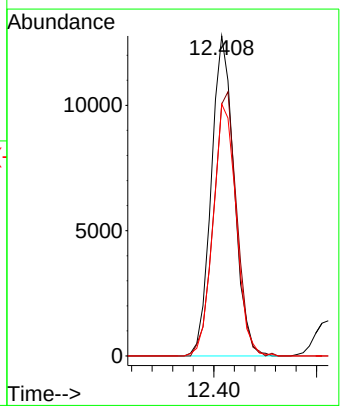


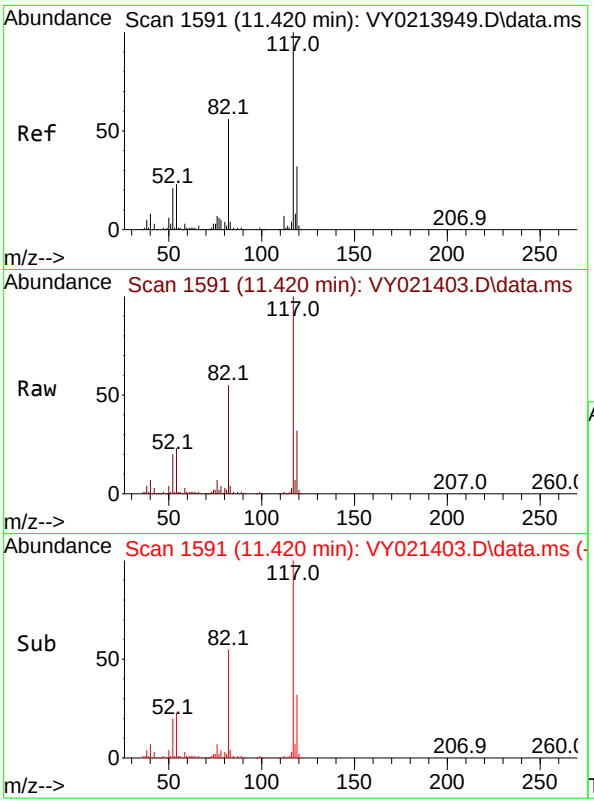


#62
4-Bromofluorobenzene
Concen: 5.882 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 95 Resp: 19663

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	165.0
176	79.9	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

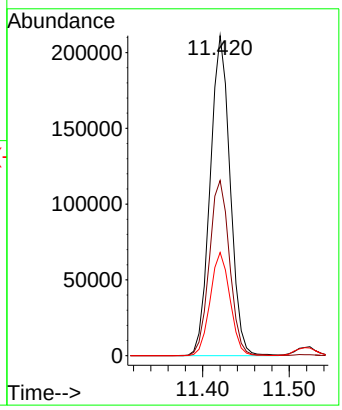
Tgt Ion:117 Resp: 33762

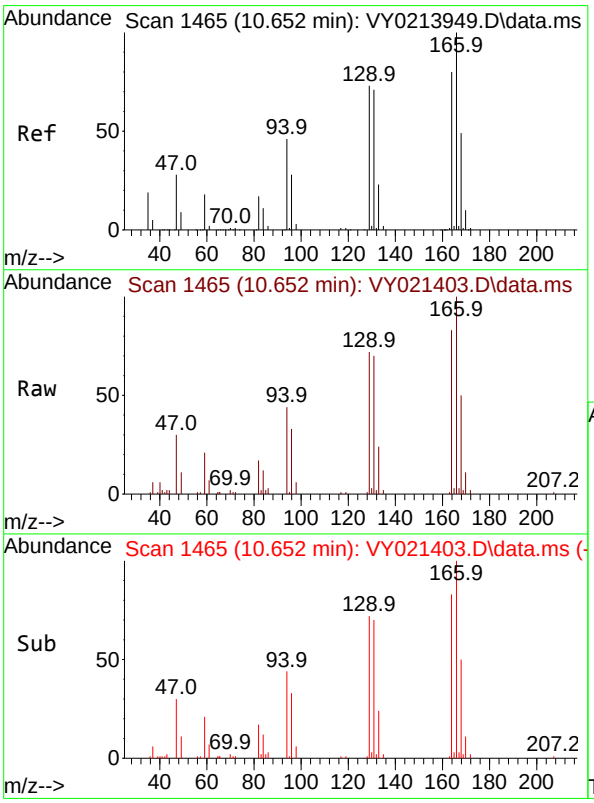
Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	67.0
119	32.2	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

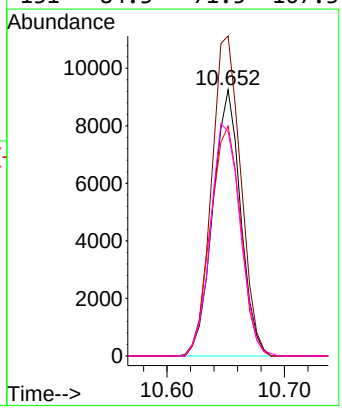


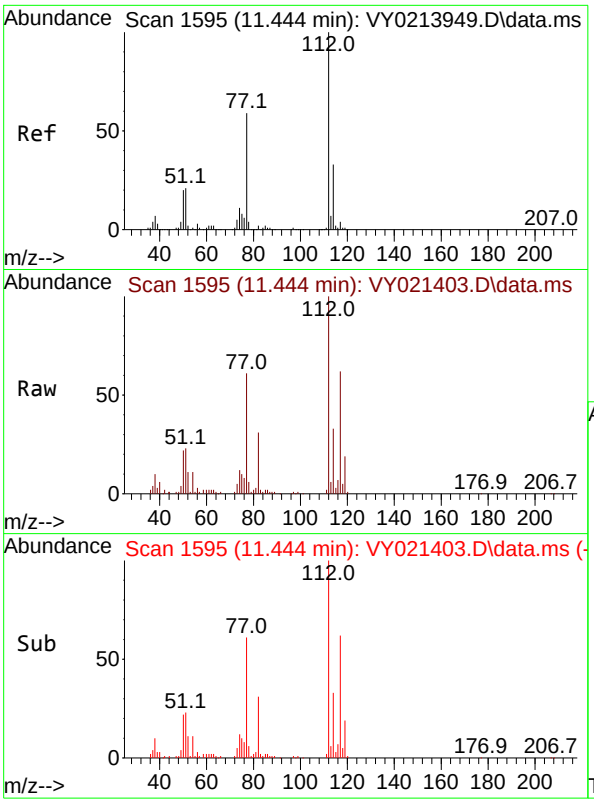


#64
Tetrachloroethene
Concen: 5.518 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:164 Resp: 15148

Ion	Ratio	Lower	Upper
164	100		
166	120.2	100.4	150.6
129	86.3	73.8	110.8
131	84.3	71.5	107.3

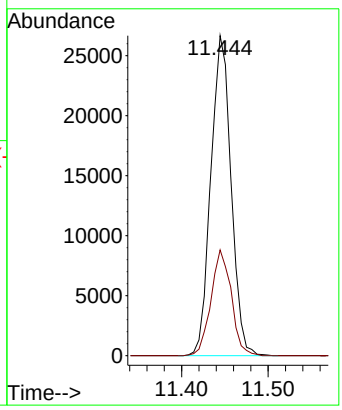




#65
Chlorobenzene
Concen: 5.434 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:112 Resp: 4332

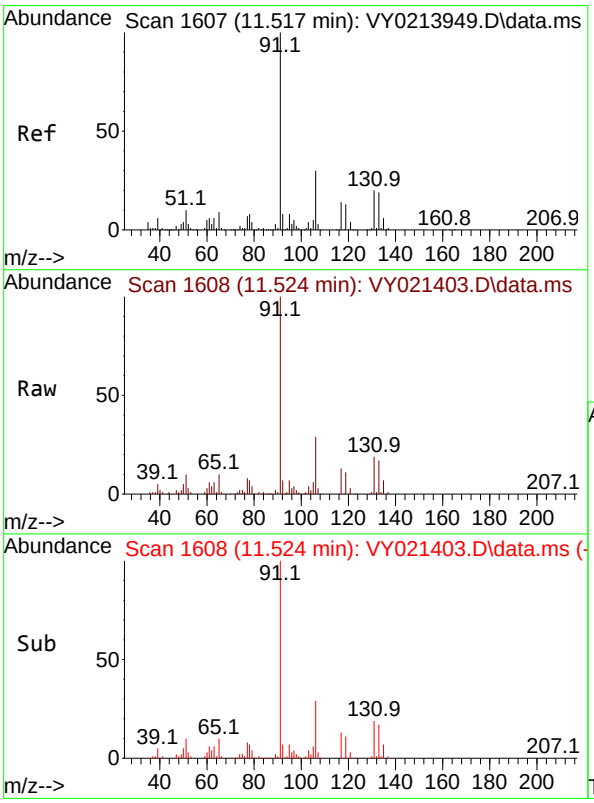
Ion	Ratio	Lower	Upper
112	100		
114	33.0	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

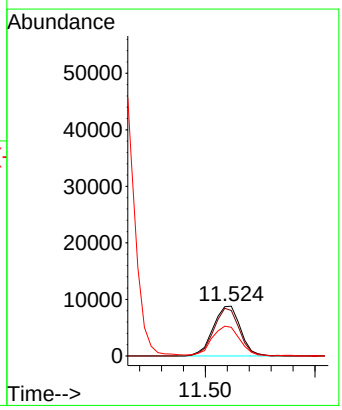
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

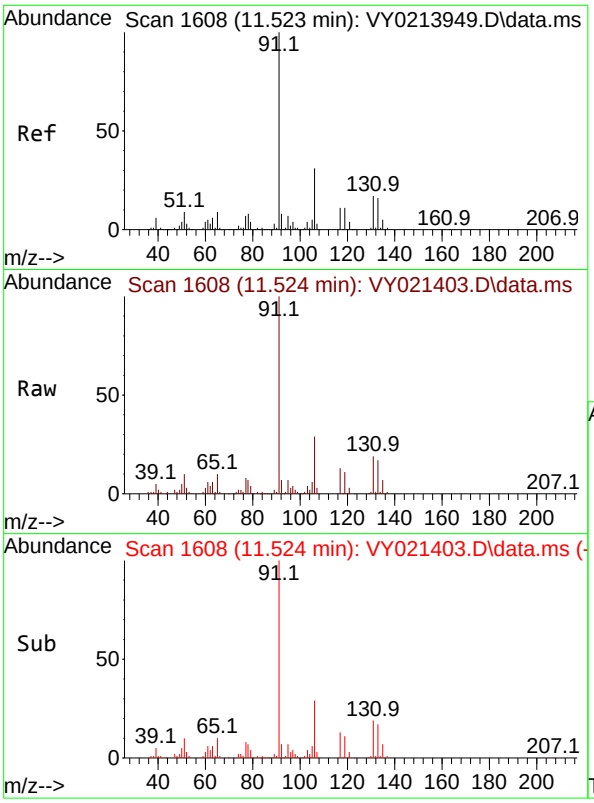


#66
1,1,1,2-Tetrachloroethane
Concen: 5.383 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:131 Resp: 15173

Ion	Ratio	Lower	Upper
131	100		
133	90.8	47.6	142.9
119	61.8	32.3	96.9





#67
Ethyl Benzene
Concen: 5.102 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

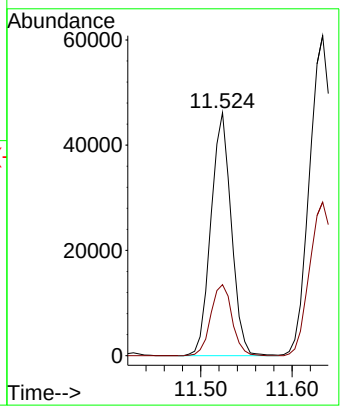
Tgt Ion: 91 Resp: 7139

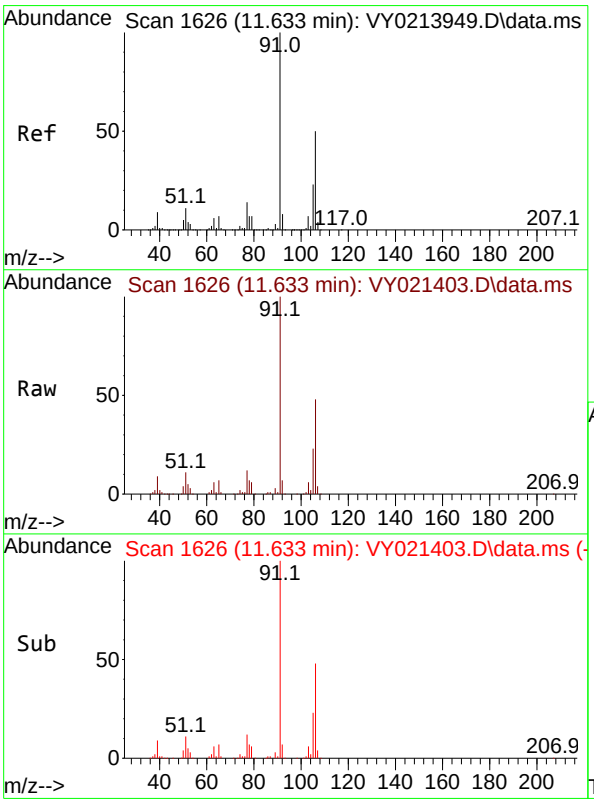
Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

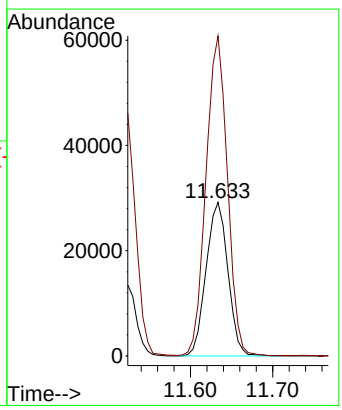


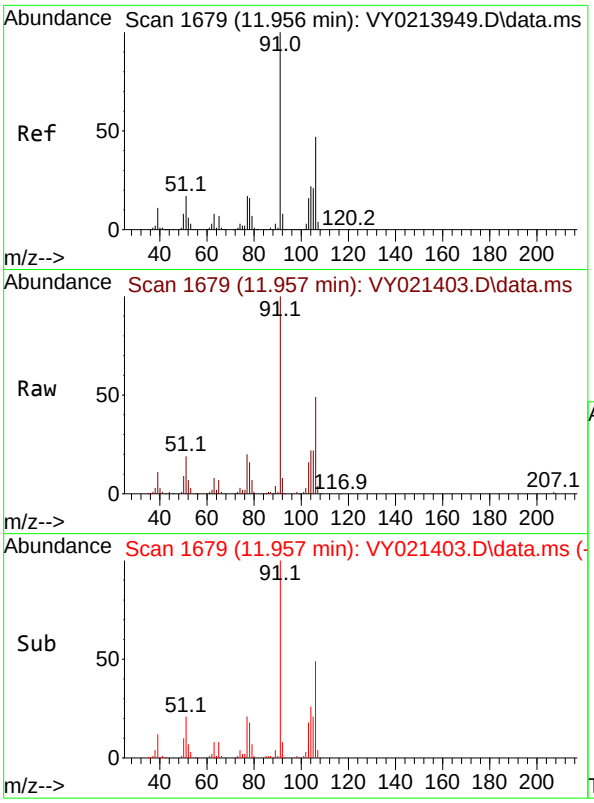


#68
m/p-Xylenes
Concen: 10.132 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:106 Resp: 53829

Ion	Ratio	Lower	Upper
106	100		
91	203.9	161.7	242.5





#69
o-Xylene
Concen: 4.988 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

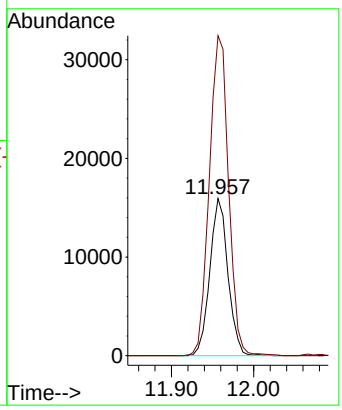
Tgt Ion:106 Resp: 2442

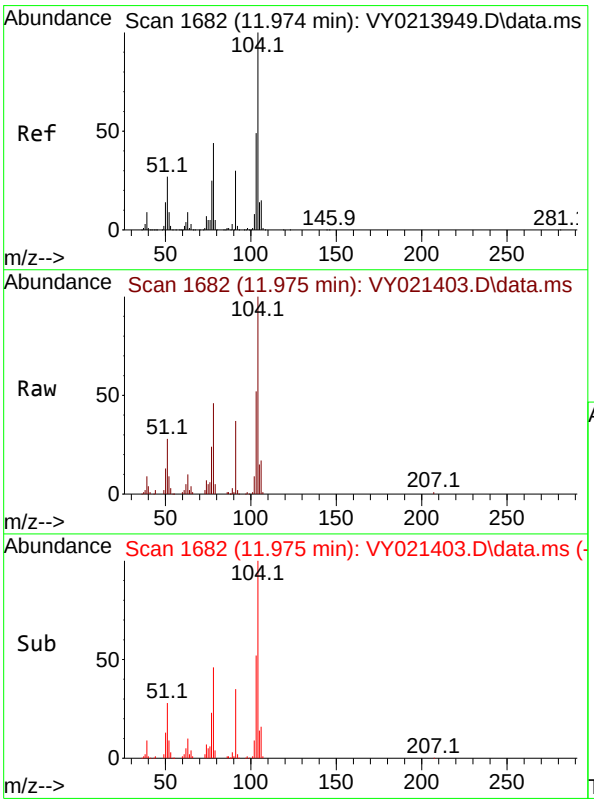
Ion	Ratio	Lower	Upper
106	100		
91	215.9	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

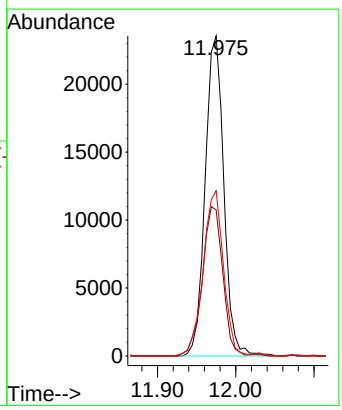


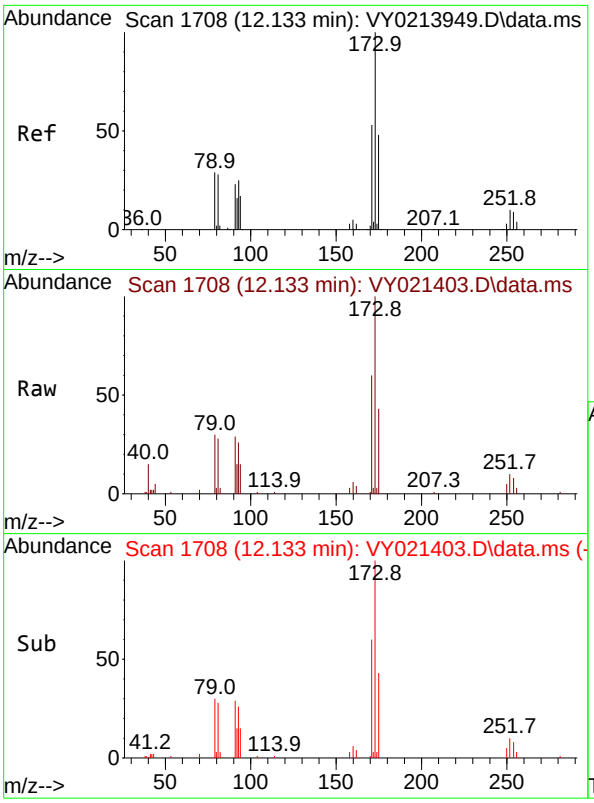


#70
Styrene
Concen: 4.784 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:104 Resp: 38858

Ion	Ratio	Lower	Upper
104	100		
78	51.0	40.7	61.1
103	56.3	44.1	66.1

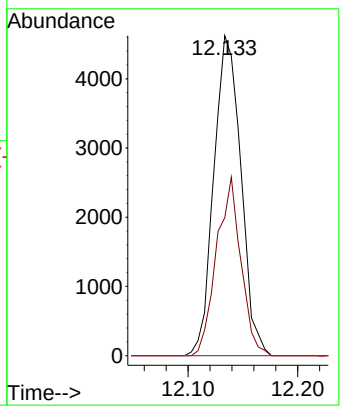




#71
Bromoform
Concen: 5.035 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:173 Resp: 793

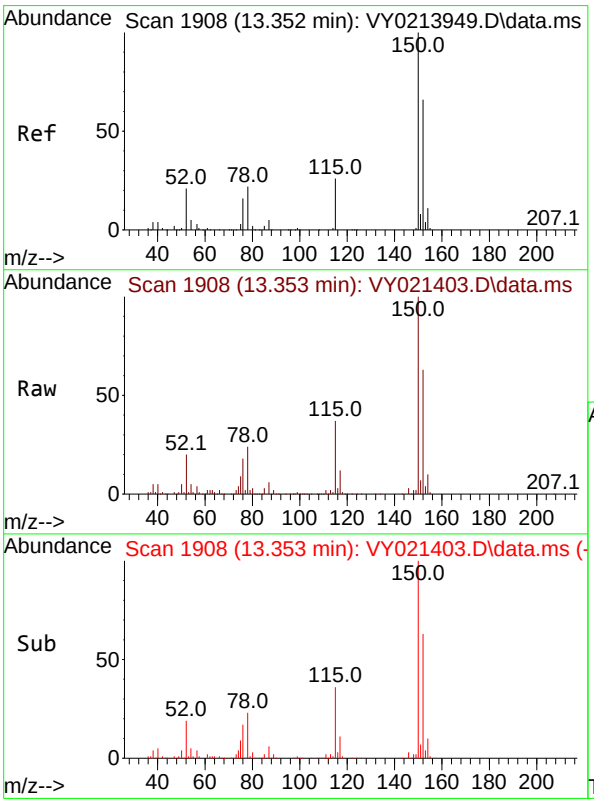
Ion	Ratio	Lower	Upper
173	100		
175	50.2	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

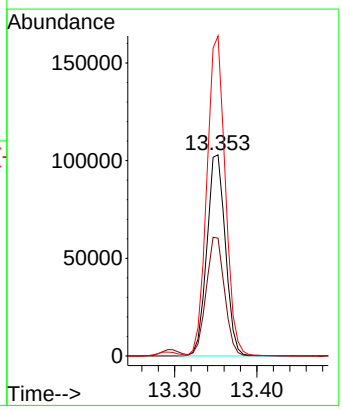
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

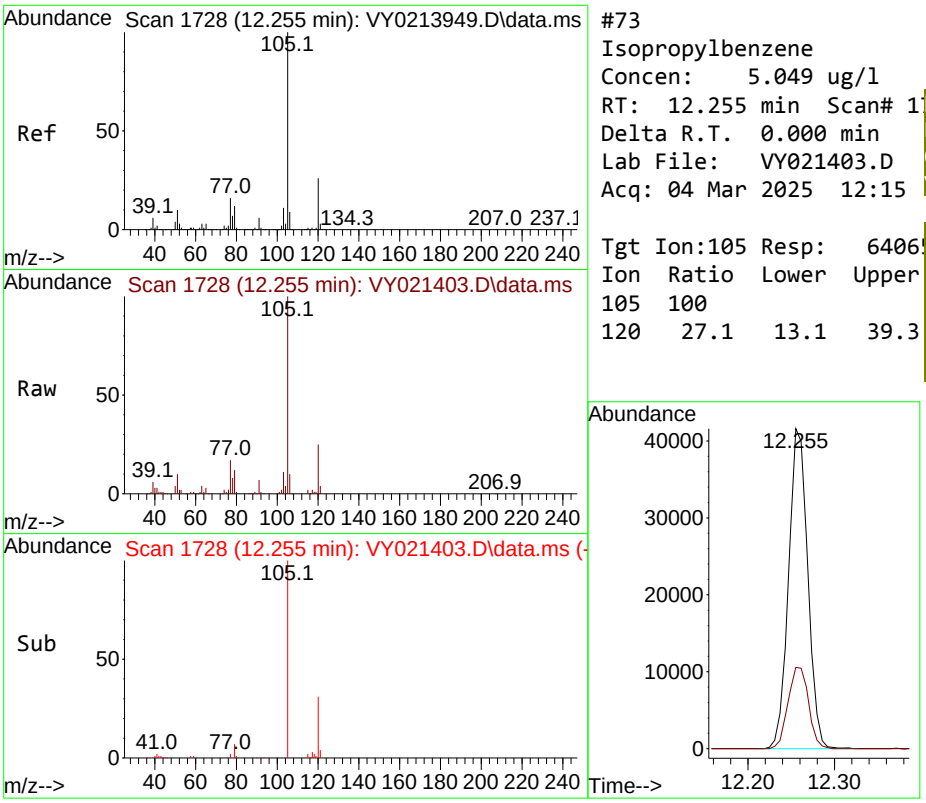


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:152 Resp: 161080

Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.0	87.0
150	158.3	0.0	347.2





#73
Isopropylbenzene
Concen: 5.049 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

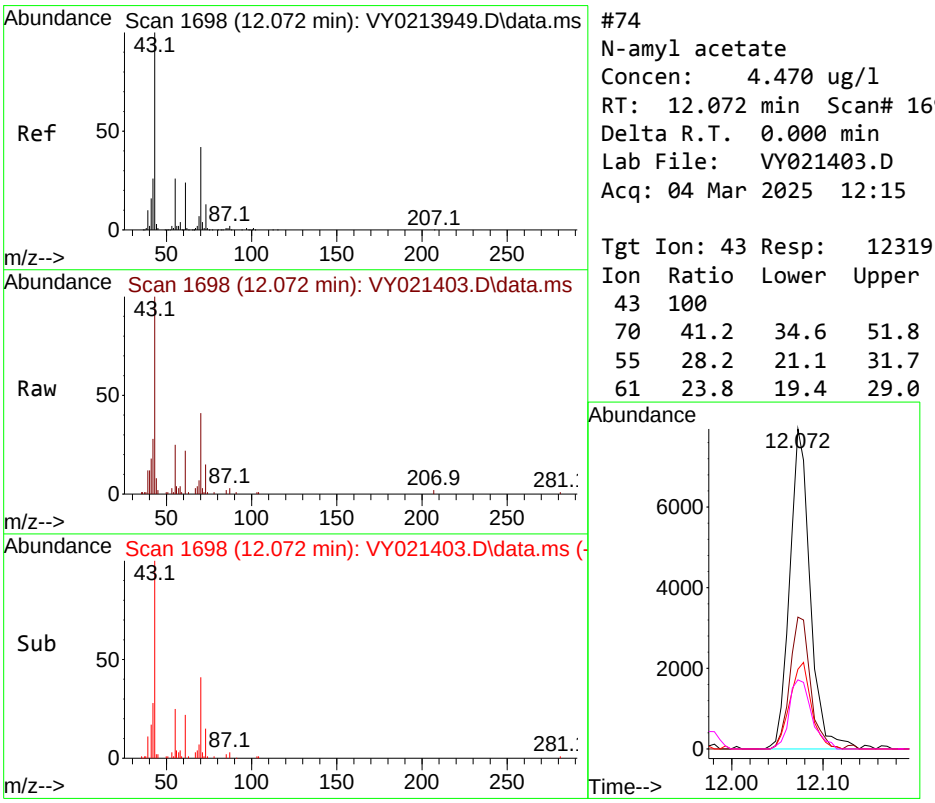
Tgt Ion:105 Resp: 6406

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.1	39.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

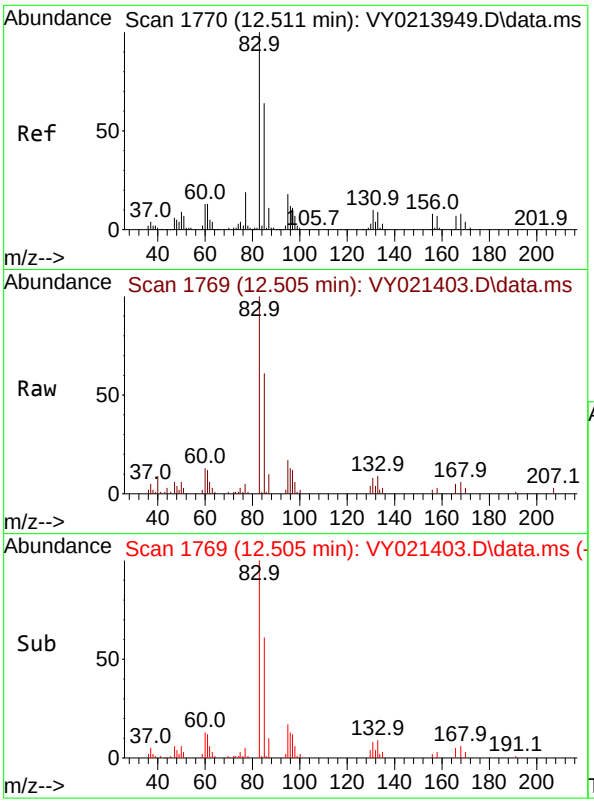
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#74
N-amyl acetate
Concen: 4.470 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 12319

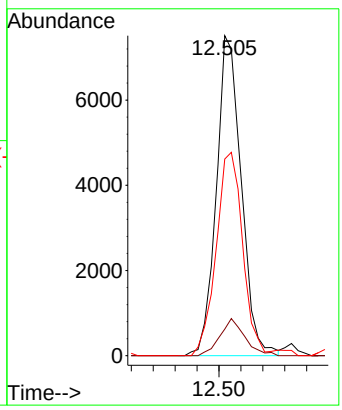
Ion	Ratio	Lower	Upper
43	100		
70	41.2	34.6	51.8
55	28.2	21.1	31.7
61	23.8	19.4	29.0



#75
1,1,2,2-Tetrachloroethane
Concen: 5.299 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 83 Resp: 1186

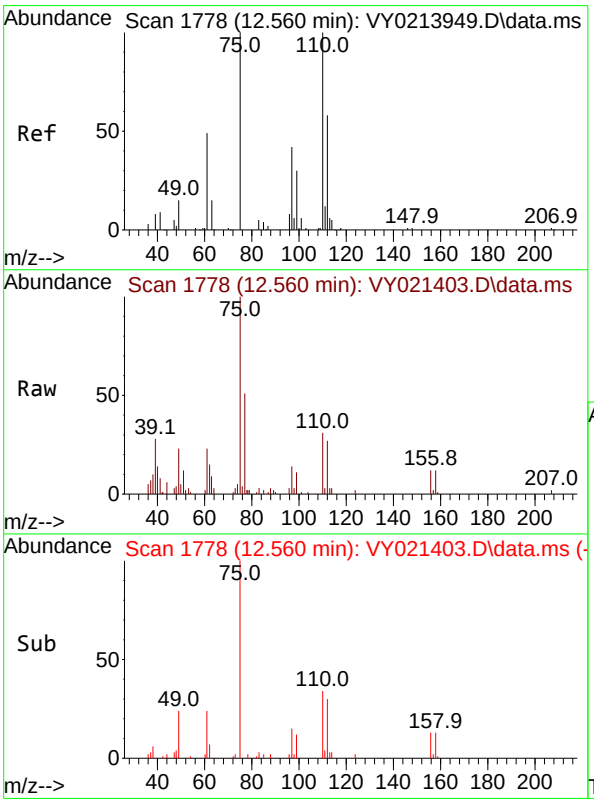
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.3	16.1
85	67.7	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

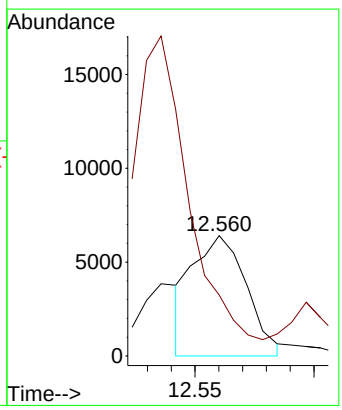
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

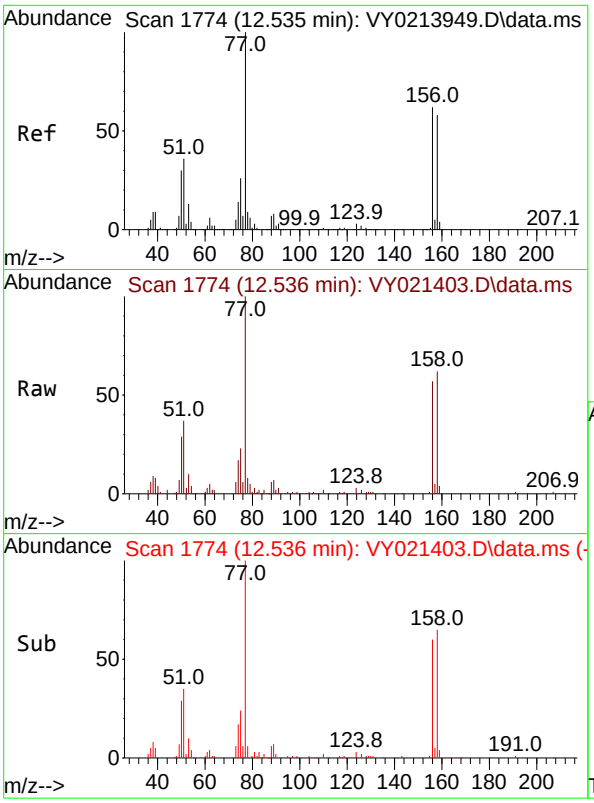


#76
1,2,3-Trichloropropane
Concen: 6.223 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 75 Resp: 10101

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 5.327 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

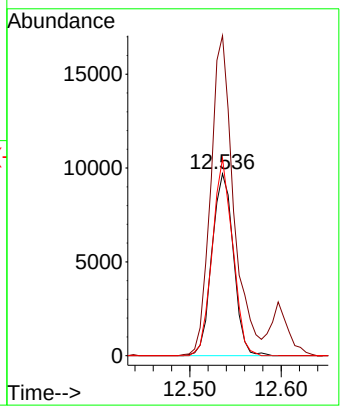
Tgt Ion:156 Resp: 1581

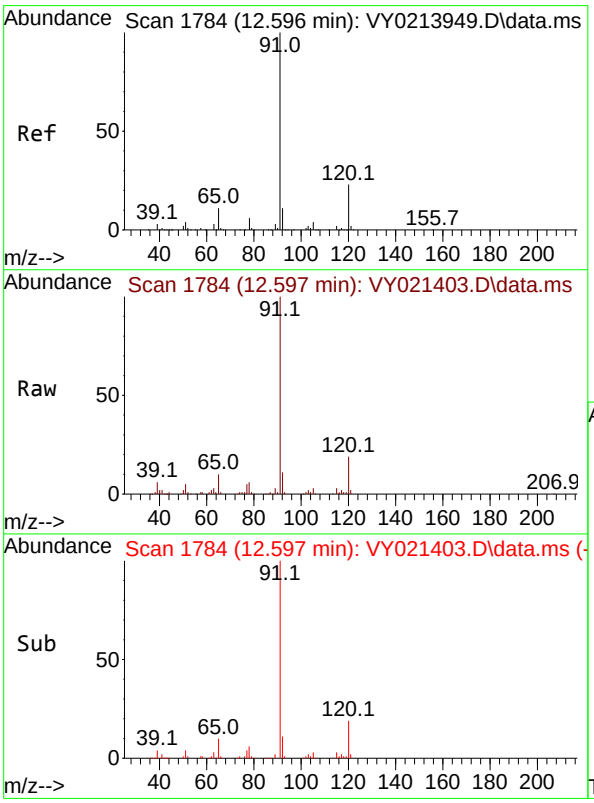
Ion	Ratio	Lower	Upper
156	100		
77	188.4	93.6	280.8
158	103.5	48.3	144.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

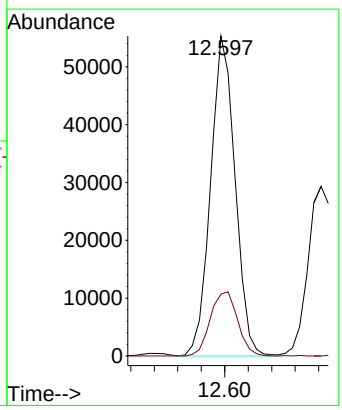


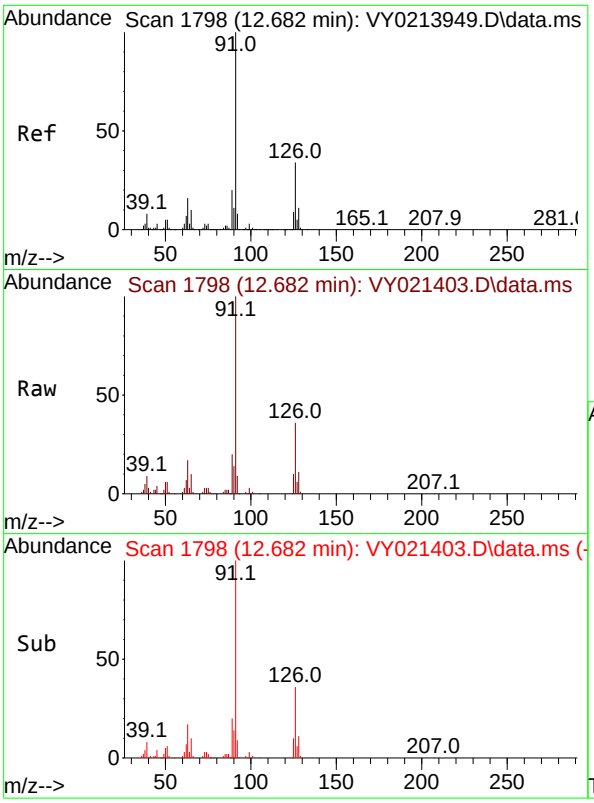


#78
n-propylbenzene
Concen: 5.205 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 91 Resp: 80203

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8

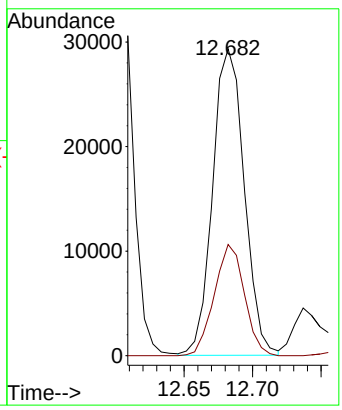




#79
2-Chlorotoluene
Concen: 5.341 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 91 Resp: 4706

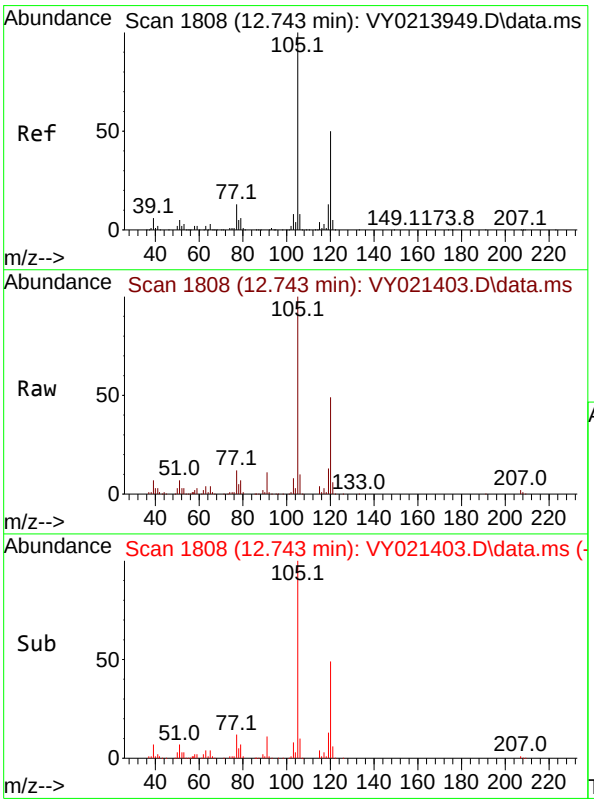
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

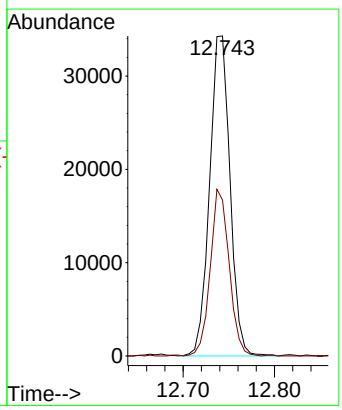
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

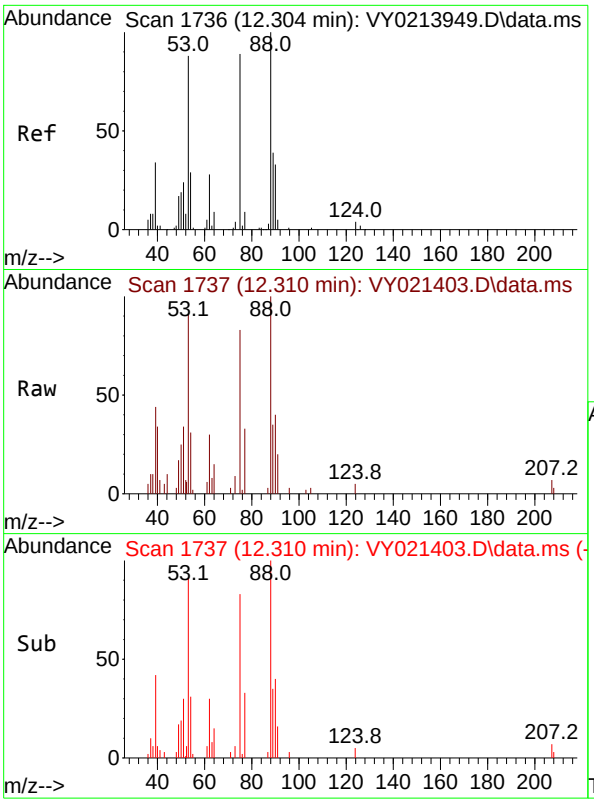


#80
1,3,5-Trimethylbenzene
Concen: 5.166 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:105 Resp: 53272

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 4.805 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

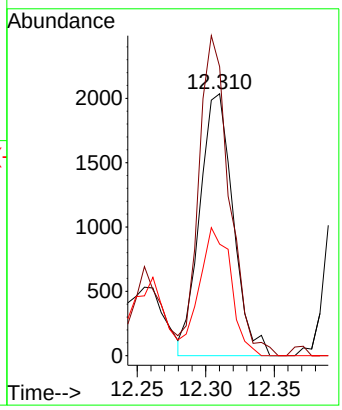
Tgt Ion: 75 Resp: 343

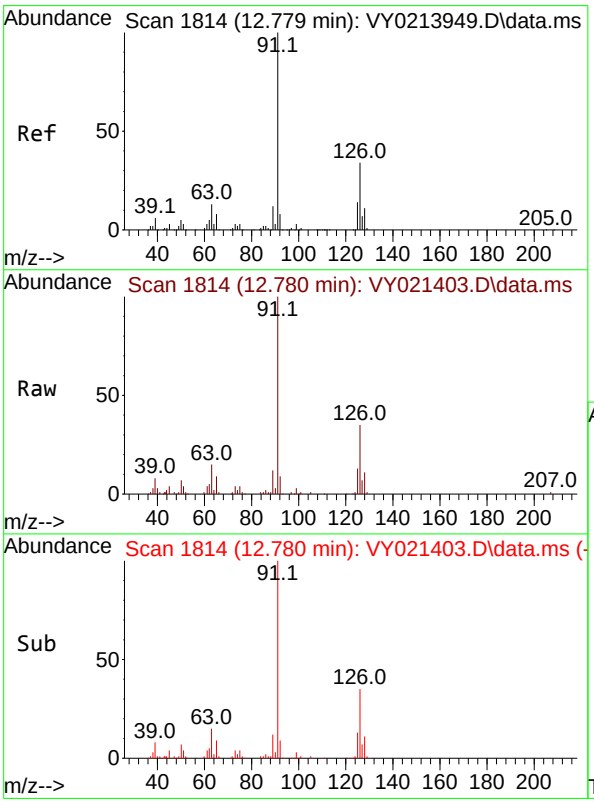
Ion	Ratio	Lower	Upper
75	100		
53	112.3	81.0	121.4
89	46.5	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

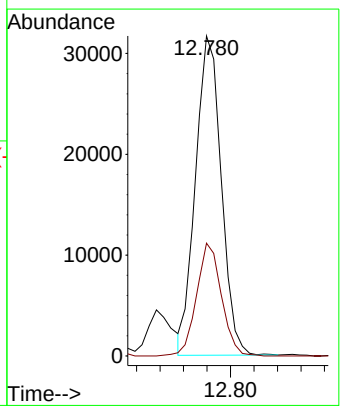


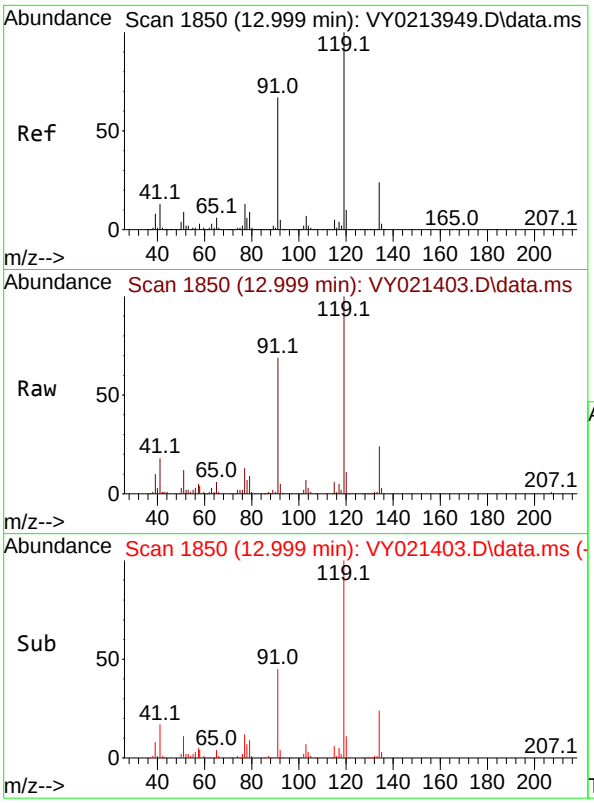


#82
4-Chlorotoluene
Concen: 5.280 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 91 Resp: 48178

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0

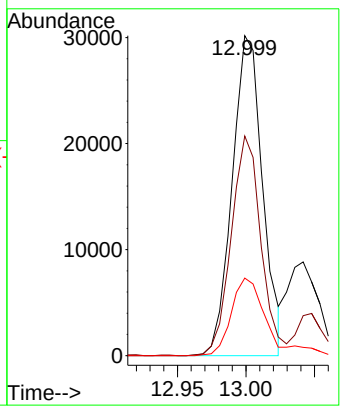




#83
tert-Butylbenzene
Concen: 5.060 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:119 Resp: 4655

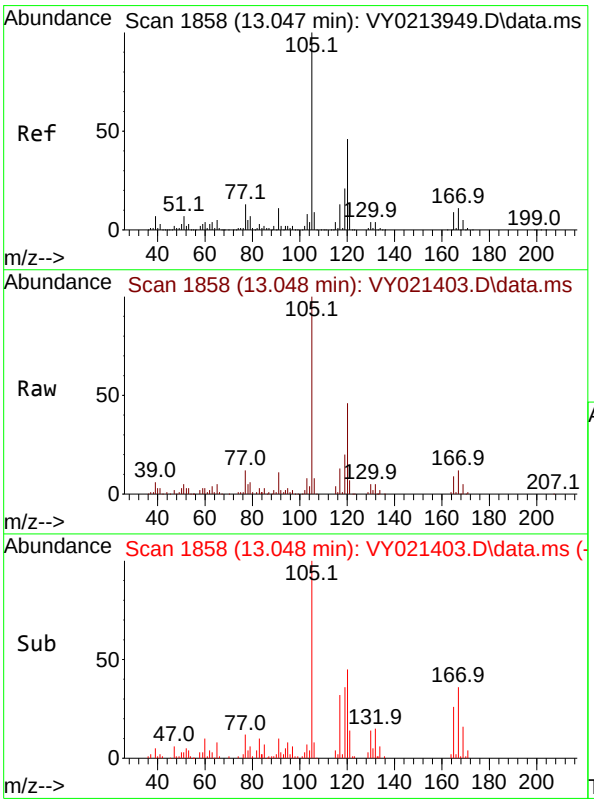
Ion	Ratio	Lower	Upper
119	100		
91	67.1	33.2	99.6
134	25.8	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

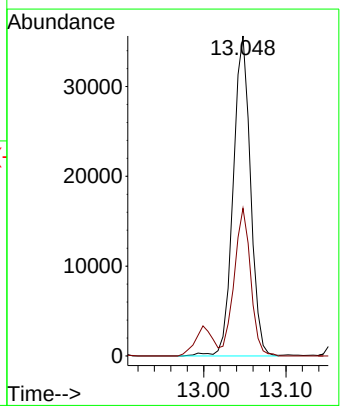
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

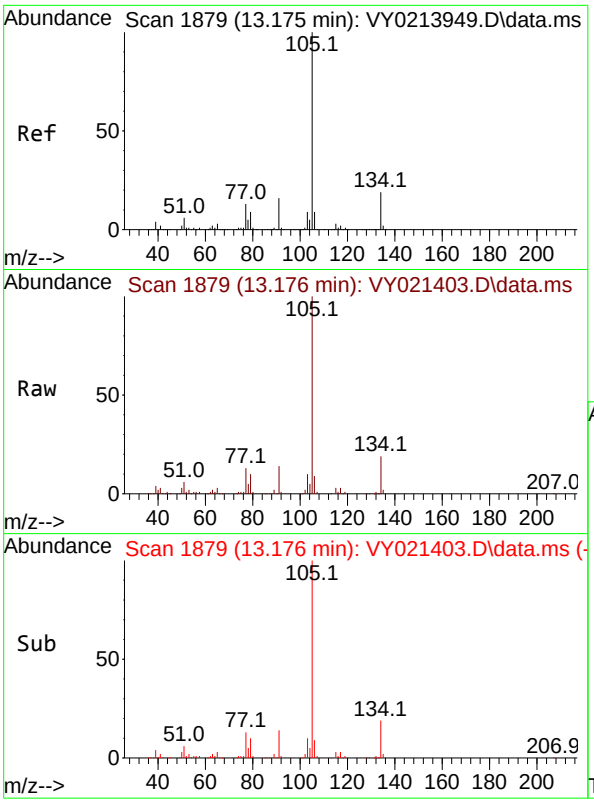


#84
1,2,4-Trimethylbenzene
Concen: 5.099 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:105 Resp: 52203

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.7	68.1





#85
sec-Butylbenzene
Concen: 5.246 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

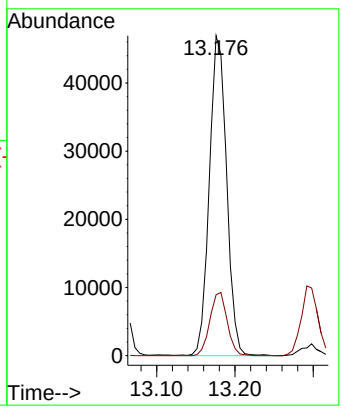
Tgt Ion:105 Resp: 7179

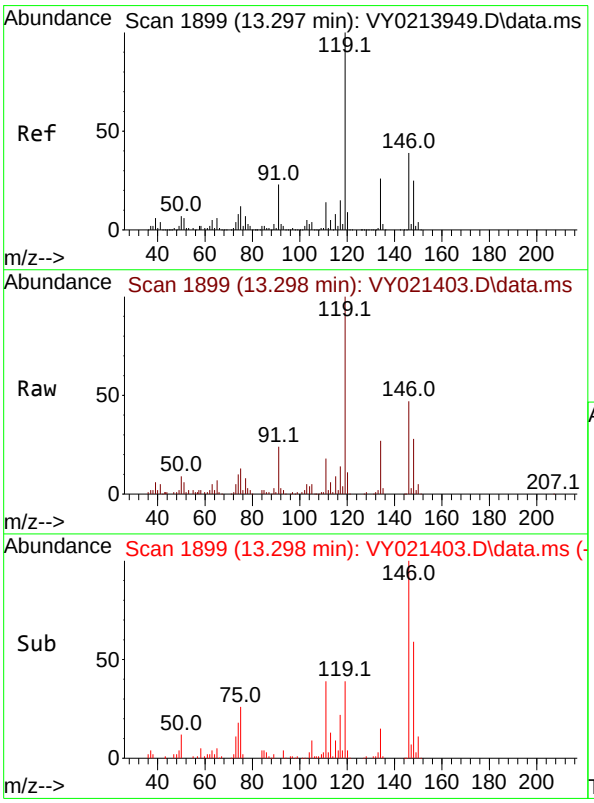
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

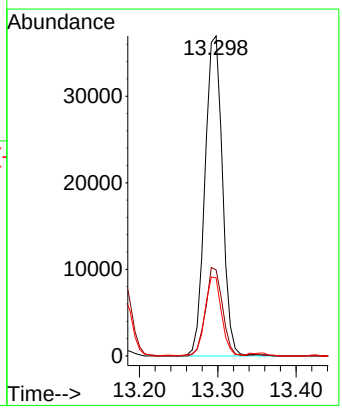


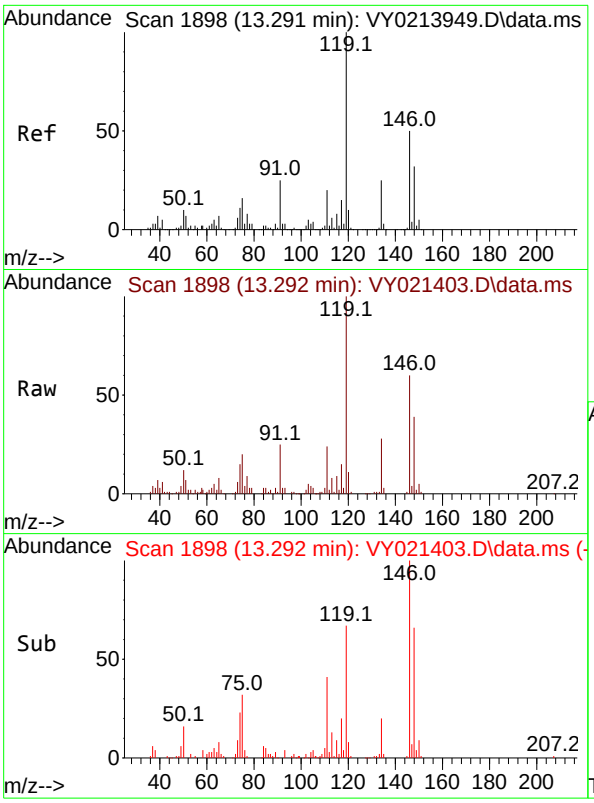


#86
p-Isopropyltoluene
Concen: 5.067 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:119 Resp: 57131

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.1	39.1
91	23.7	12.2	36.6





#87
1,3-Dichlorobenzene
Concen: 5.535 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

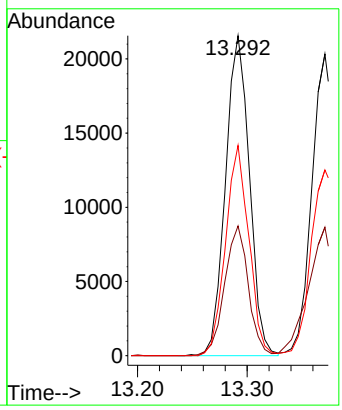
Tgt Ion:146 Resp: 3270

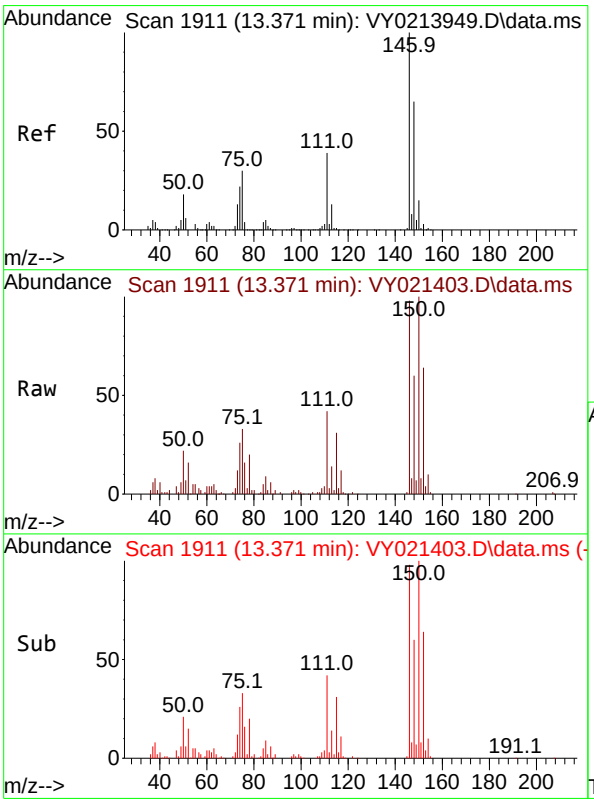
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.0	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

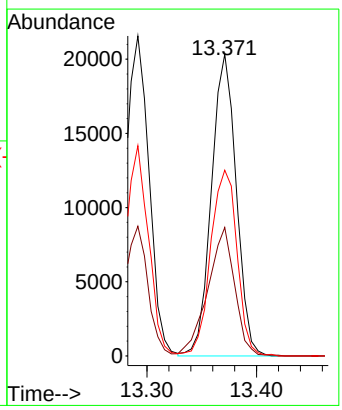


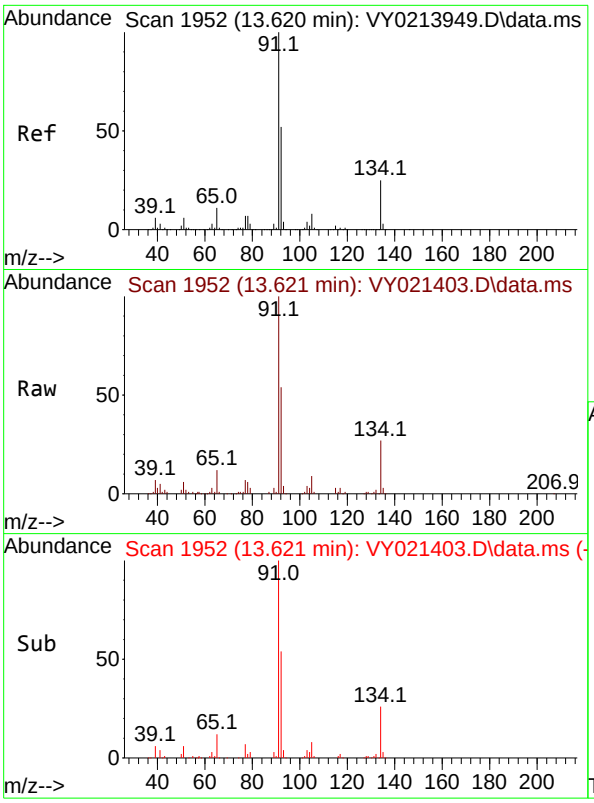


#88
1,4-Dichlorobenzene
Concen: 5.545 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:146 Resp: 32045

Ion	Ratio	Lower	Upper
146	100		
111	46.5	19.6	58.8
148	65.6	32.3	96.8

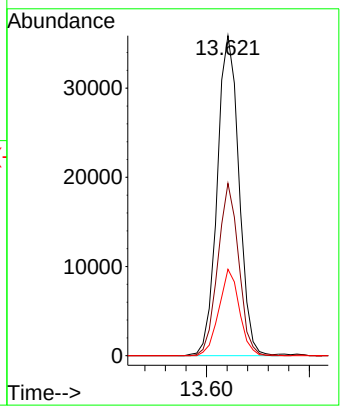




#89
n-Butylbenzene
Concen: 5.057 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 91 Resp: 5265

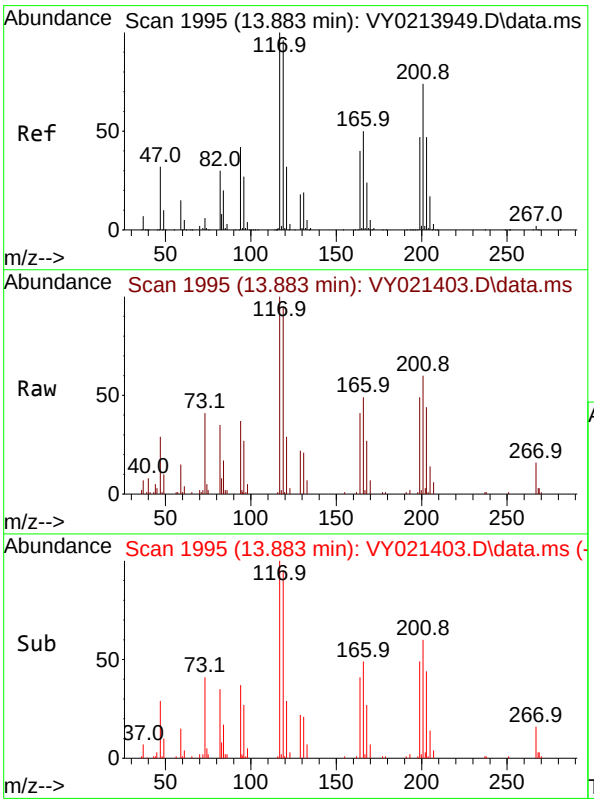
Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.3
134	25.5	12.6	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

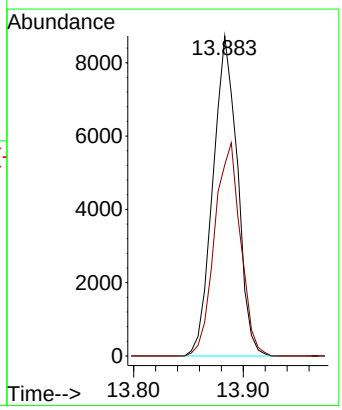
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

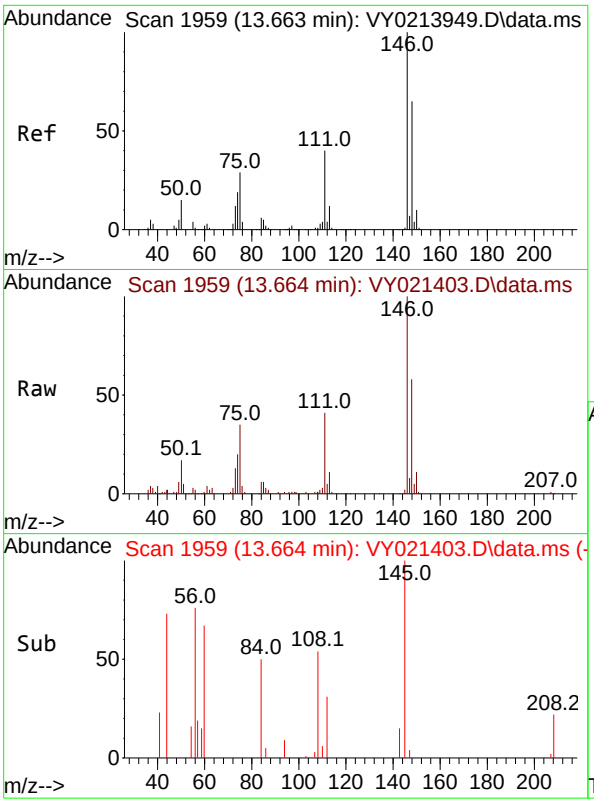


#90
Hexachloroethane
Concen: 5.628 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:117 Resp: 13537

Ion	Ratio	Lower	Upper
117	100		
201	70.8	37.4	112.2

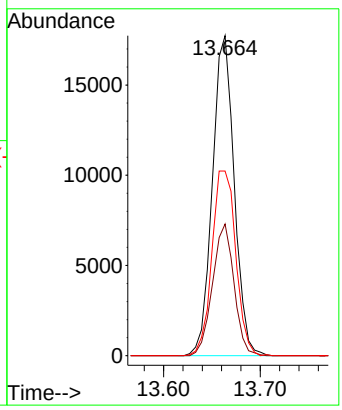




#91
1,2-Dichlorobenzene
Concen: 5.481 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:146 Resp: 2775

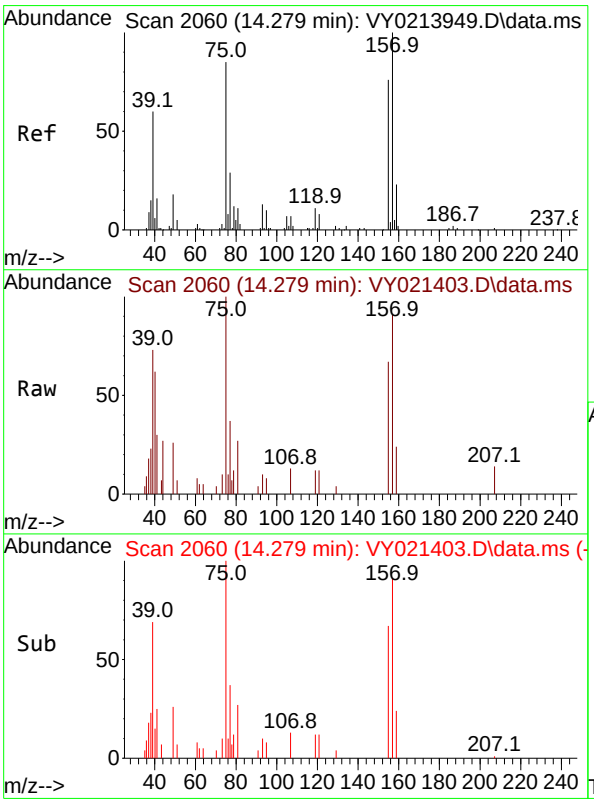
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.7	62.1
148	63.2	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

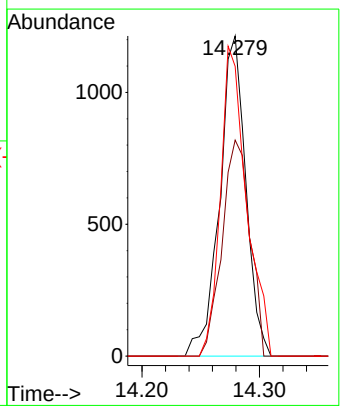
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

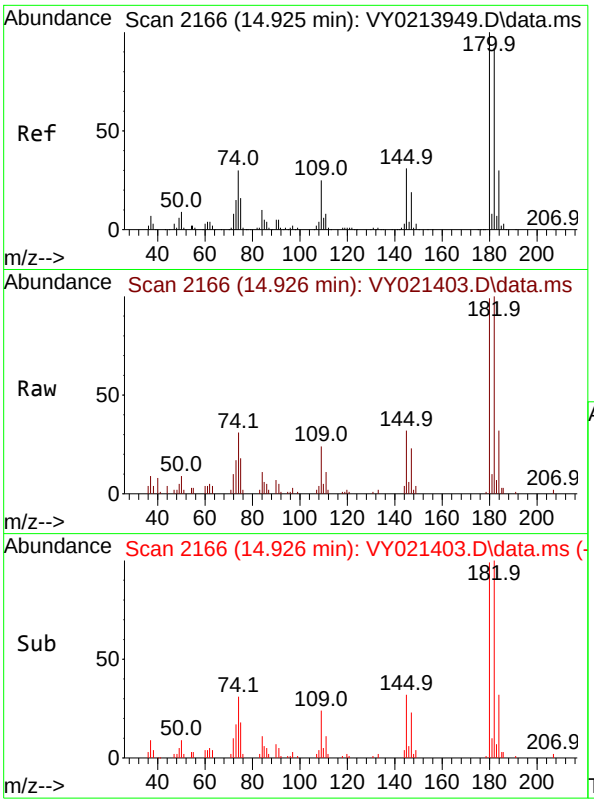


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.605 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 75 Resp: 1880

Ion	Ratio	Lower	Upper
75	100		
155	71.5	43.5	130.5
157	96.2	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 5.034 ug/l
RT: 14.926 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

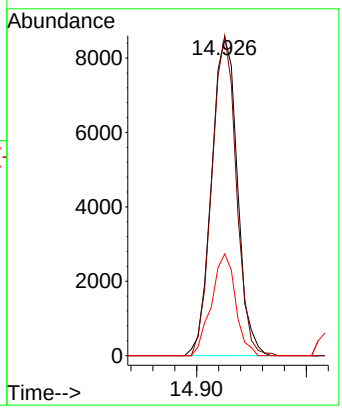
Tgt Ion:180 Resp: 1392

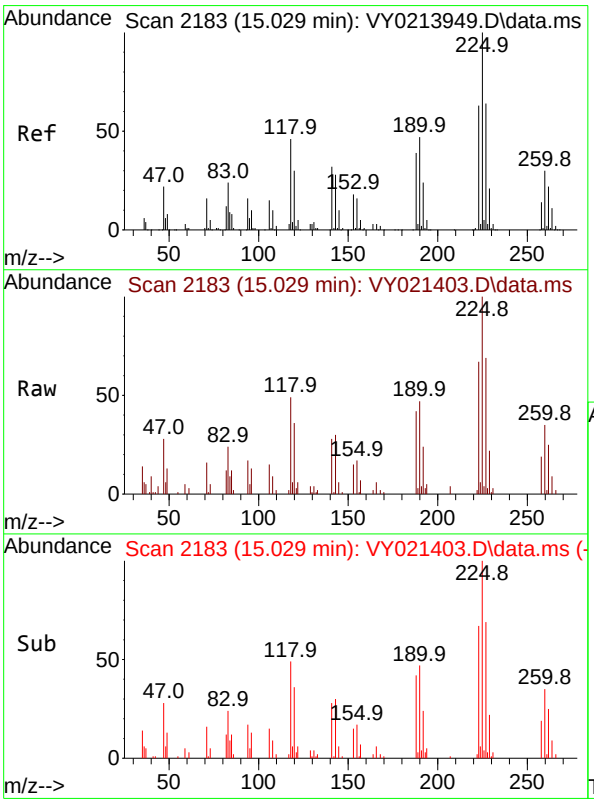
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.7	140.0
145	29.9	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

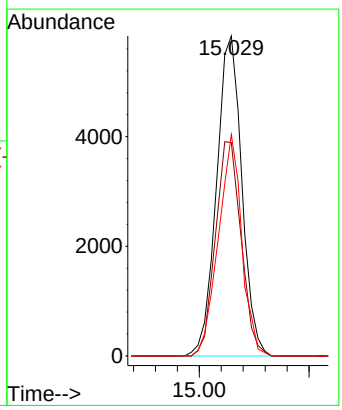


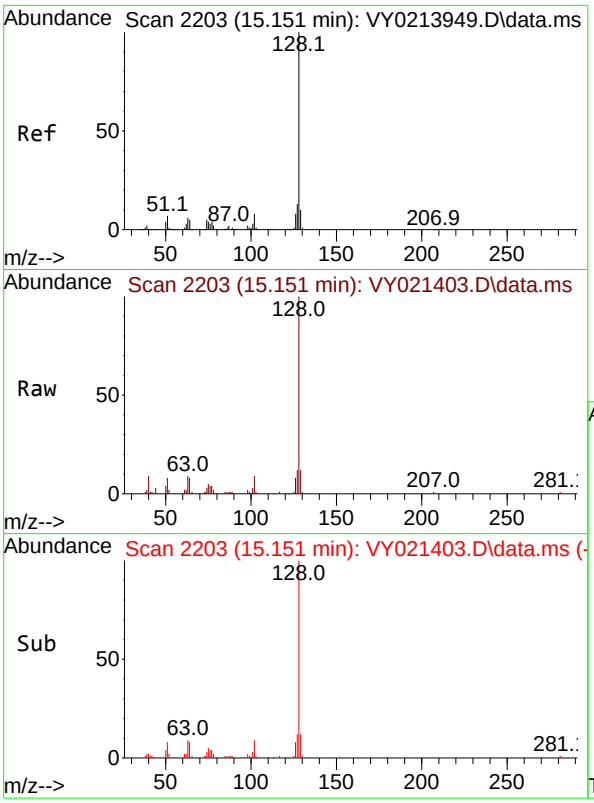


#94
Hexachlorobutadiene
Concen: 5.393 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:225 Resp: 9351

Ion	Ratio	Lower	Upper
225	100		
223	68.0	31.4	94.2
227	63.8	31.8	95.4

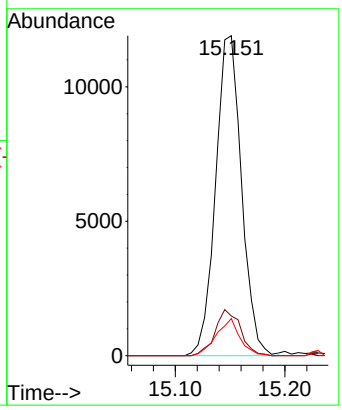




#95
Naphthalene
Concen: 5.892 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:128 Resp: 1955

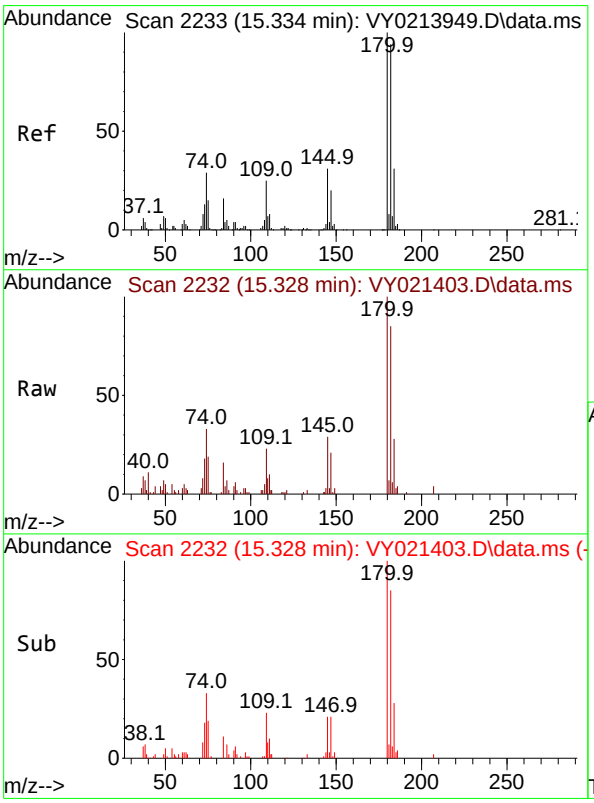
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	15.8
129	10.6	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

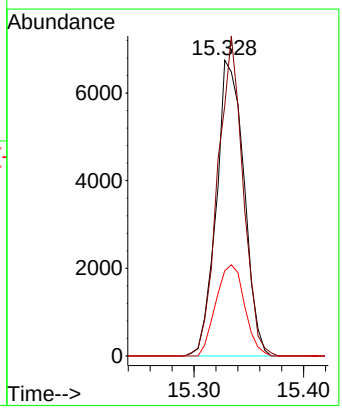
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 5.081 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:180 Resp: 11822

Ion	Ratio	Lower	Upper
180	100		
182	99.0	47.2	141.6
145	32.0	16.4	49.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	227337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	353570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	304943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	150512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	119727	49.828	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.660%			
35) Dibromofluoromethane	7.640	113	118281	50.894	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.780%			
50) Toluene-d8	10.115	98	468697	53.263	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.520%			
62) 4-Bromofluorobenzene	12.414	95	154333	51.560	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	98287	47.113	ug/l	99
3) Chloromethane	2.074	50	144341	49.075	ug/l	99
4) Vinyl Chloride	2.214	62	161453	50.231	ug/l	97
5) Bromomethane	2.605	94	107517	46.283	ug/l	100
6) Chloroethane	2.745	64	103894	48.912	ug/l	98
7) Trichlorofluoromethane	3.068	101	219880	49.011	ug/l	99
8) Diethyl Ether	3.464	74	56729	45.628	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	123311	48.142	ug/l	99
10) Methyl Iodide	4.013	142	125851	48.336	ug/l	99
11) Tert butyl alcohol	4.866	59	33542	211.206	ug/l	96
12) 1,1-Dichloroethene	3.800	96	115418	49.424	ug/l	97
13) Acrolein	3.659	56	5504	45.035	ug/l	89
14) Allyl chloride	4.397	41	190579	50.500	ug/l	99
15) Acrylonitrile	5.068	53	115490	218.213	ug/l	99
16) Acetone	3.873	43	126338	241.068	ug/l	94
17) Carbon Disulfide	4.117	76	369324	50.464	ug/l	99
18) Methyl Acetate	4.391	43	51747	44.501	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	267823	45.249	ug/l	100
20) Methylene Chloride	4.623	84	120803	43.913	ug/l	99
21) trans-1,2-Dichloroethene	5.129	96	125702	48.065	ug/l	99
22) Diisopropyl ether	6.031	45	393029	48.325	ug/l	96
23) Vinyl Acetate	5.970	43	1084996	233.756	ug/l	99
24) 1,1-Dichloroethane	5.927	63	231573	48.243	ug/l	99
25) 2-Butanone	6.903	43	161045	222.145	ug/l	99
26) 2,2-Dichloropropane	6.896	77	214717	48.615	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	144113	48.506	ug/l	100
28) Bromochloromethane	7.256	49	113096	56.200	ug/l	98
29) Tetrahydrofuran	7.268	42	95855	214.177	ug/l	99
30) Chloroform	7.427	83	238047	47.758	ug/l	95
31) Cyclohexane	7.707	56	214745	47.720	ug/l	99
32) 1,1,1-Trichloroethane	7.628	97	222274	48.703	ug/l	100
36) 1,1-Dichloropropene	7.841	75	177770	48.866	ug/l	99
37) Ethyl Acetate	6.994	43	69266	43.078	ug/l	99
38) Carbon Tetrachloride	7.823	117	204174	48.800	ug/l	98
39) Methylcyclohexane	9.116	83	230810	51.724	ug/l	98
40) Benzene	8.085	78	520202	48.542	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.250	41	45456m	51.920	ug/l		
42) 1,2-Dichloroethane	8.165	62	136088	45.393	ug/l		99
43) Isopropyl Acetate	8.201	43	134330	43.036	ug/l		99
44) Trichloroethene	8.872	130	130855	48.321	ug/l		99
45) 1,2-Dichloropropane	9.146	63	120606	47.287	ug/l		98
46) Dibromomethane	9.238	93	64447	45.413	ug/l		99
47) Bromodichloromethane	9.433	83	176210	46.755	ug/l		99
48) Methyl methacrylate	9.225	41	65433	45.652	ug/l		98
49) 1,4-Dioxane	9.238	88	12183	874.634	ug/l		97
51) 4-Methyl-2-Pentanone	10.006	43	349128	216.781	ug/l		100
52) Toluene	10.176	92	334342	49.486	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	157093	47.312	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	190151	48.236	ug/l		100
55) 1,1,2-Trichloroethane	10.579	97	83139	44.786	ug/l		98
56) Ethyl methacrylate	10.445	69	109629	46.305	ug/l		98
57) 1,3-Dichloropropane	10.725	76	148349	46.108	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	270898	247.869	ug/l		99
59) 2-Hexanone	10.768	43	238913	224.350	ug/l		100
60) Dibromochloromethane	10.914	129	117776	46.278	ug/l		99
61) 1,2-Dibromoethane	11.024	107	80473	45.932	ug/l		98
64) Tetrachloroethene	10.652	164	122018	49.207	ug/l		98
65) Chlorobenzene	11.451	112	350050	48.611	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.524	131	122471	48.104	ug/l		99
67) Ethyl Benzene	11.524	91	641534	50.757	ug/l		100
68) m/p-Xylenes	11.633	106	483835	100.830	ug/l		98
69) o-Xylene	11.963	106	225974	51.096	ug/l		99
70) Styrene	11.975	104	369770	50.400	ug/l		100
71) Bromoform	12.139	173	65305	45.886	ug/l	#	100
73) Isopropylbenzene	12.261	105	618726	52.186	ug/l		100
74) N-amyl acetate	12.079	43	117390	45.591	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	92237	44.086	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	68229m	44.986	ug/l		
77) Bromobenzene	12.536	156	133678	48.194	ug/l		99
78) n-propylbenzene	12.603	91	752110	52.233	ug/l		100
79) 2-Chlorotoluene	12.688	91	415988	50.525	ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	502113	52.113	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	30408	45.578	ug/l		98
82) 4-Chlorotoluene	12.786	91	427326	50.122	ug/l		100
83) tert-Butylbenzene	13.005	119	456314	53.088	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	492767	51.510	ug/l		100
85) sec-Butylbenzene	13.182	105	676621	52.908	ug/l		100
86) p-Isopropyltoluene	13.298	119	553730	52.556	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	269044	48.728	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	260977	48.331	ug/l		99
89) n-Butylbenzene	13.621	91	521532	53.606	ug/l		99
90) Hexachloroethane	13.889	117	112571	50.084	ug/l		99
91) 1,2-Dichlorobenzene	13.664	146	227078	47.985	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	13368	42.654	ug/l		97
93) 1,2,4-Trichlorobenzene	14.926	180	127655	49.388	ug/l		98
94) Hexachlorobutadiene	15.029	225	84554	52.186	ug/l		98
95) Naphthalene	15.151	128	196345	45.480	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	105737	48.639	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

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

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

ICAL Form

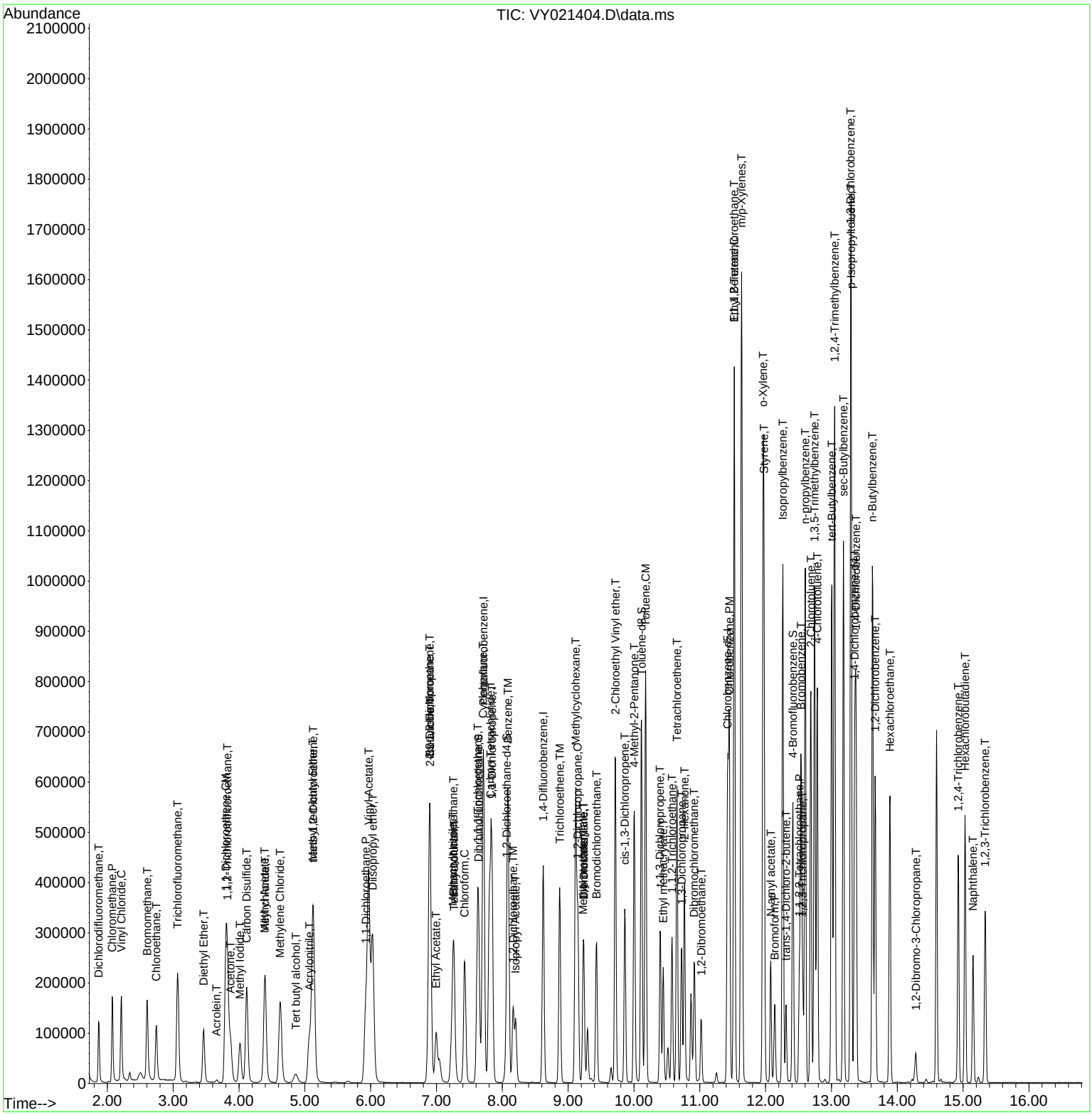
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

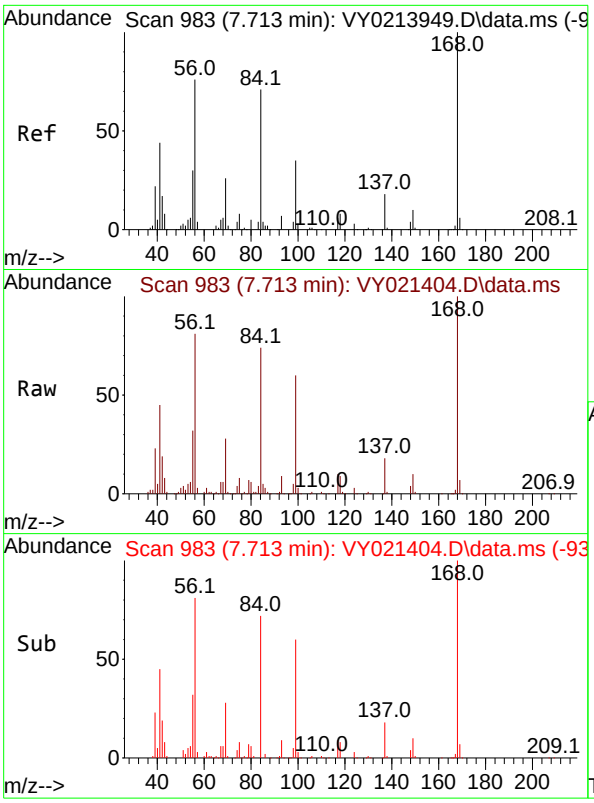
Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

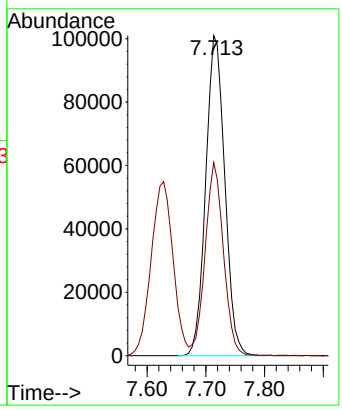




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:168 Resp: 22733

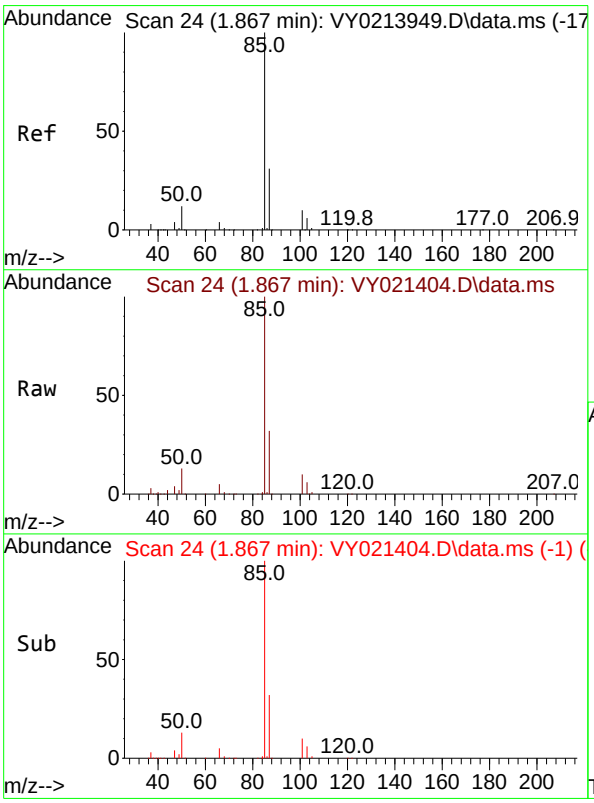
Ion	Ratio	Lower	Upper
168	100		
99	60.2	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

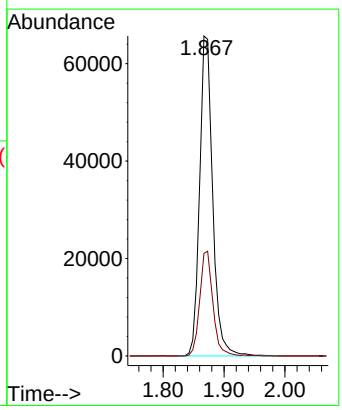
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

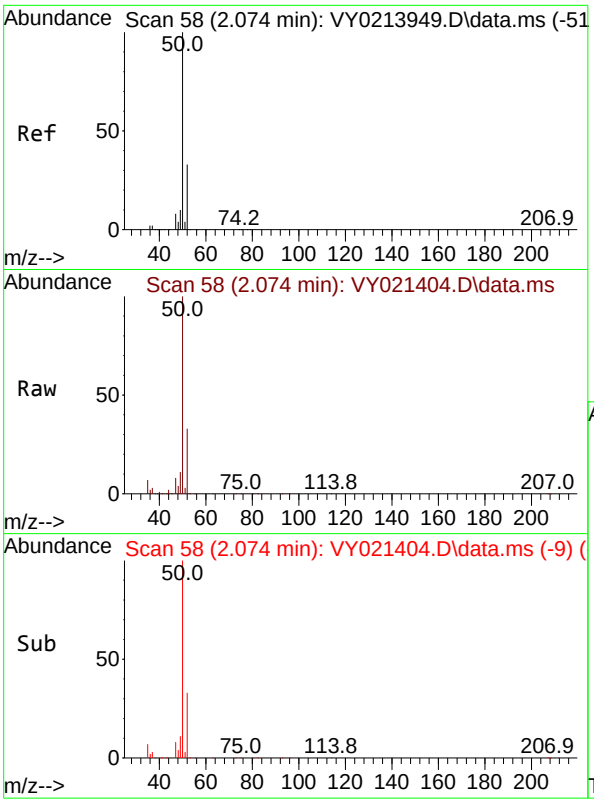


#2
Dichlorodifluoromethane
Concen: 47.113 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 85 Resp: 98287

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.7	47.0

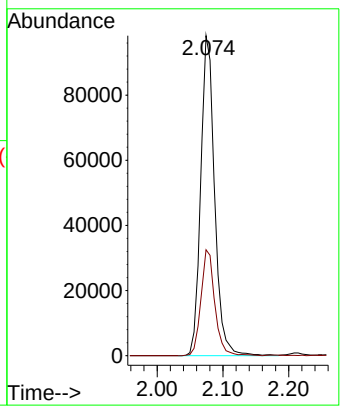




#3
Chloromethane
Concen: 49.075 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 50 Resp: 14434

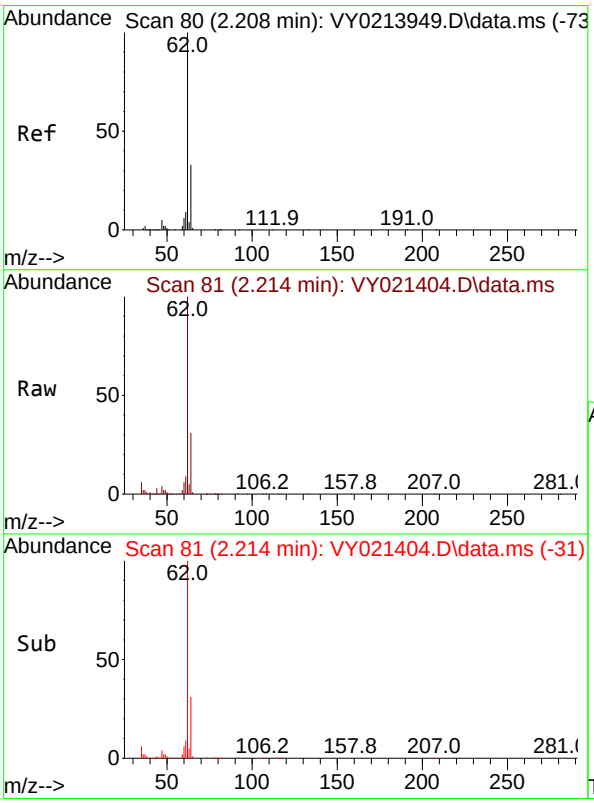
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

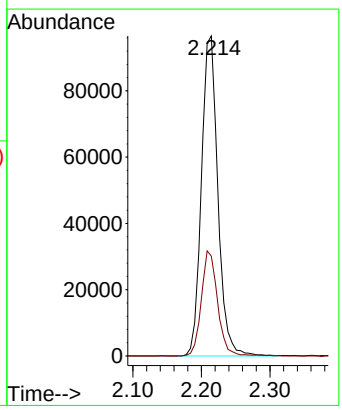
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

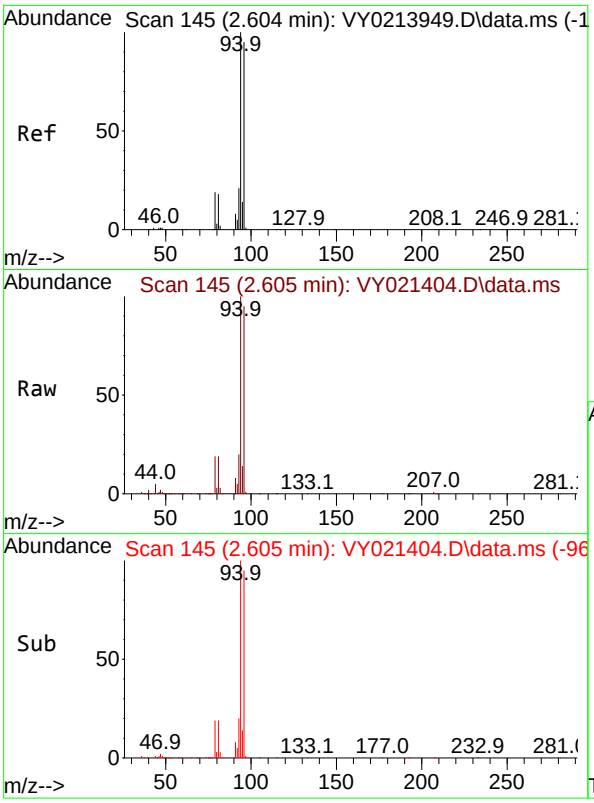


#4
Vinyl Chloride
Concen: 50.231 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 62 Resp: 161453

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.2	39.2





#5
Bromomethane
Concen: 46.283 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

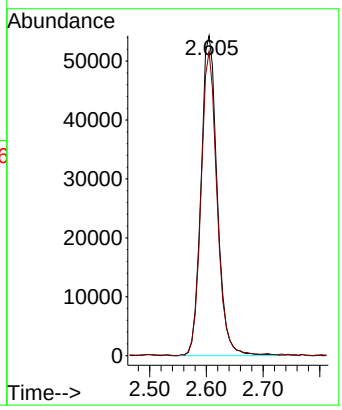
Tgt Ion: 94 Resp: 10751

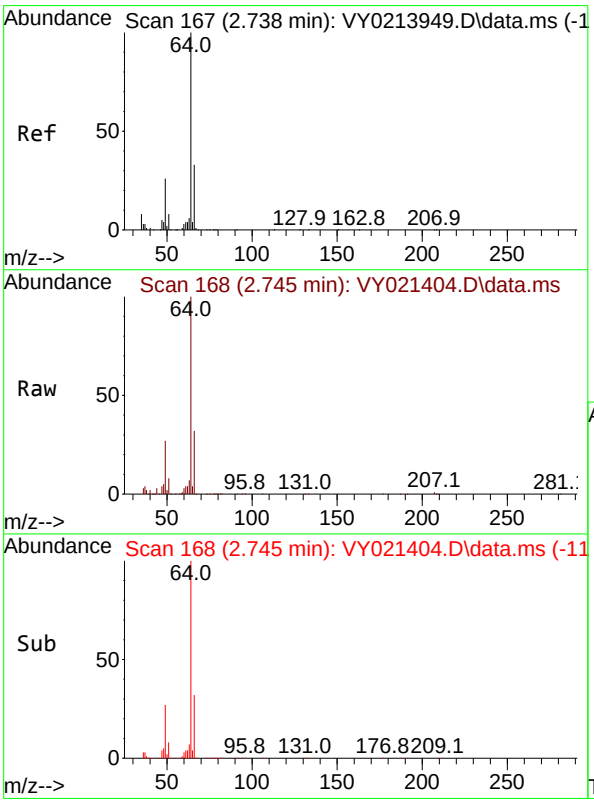
Ion	Ratio	Lower	Upper
94	100		
96	95.1	76.3	114.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

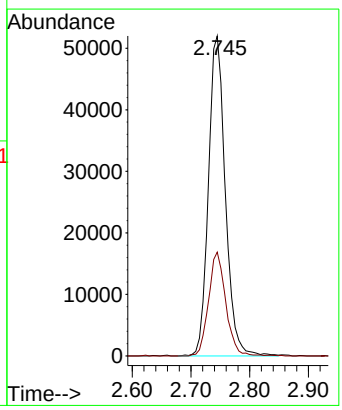


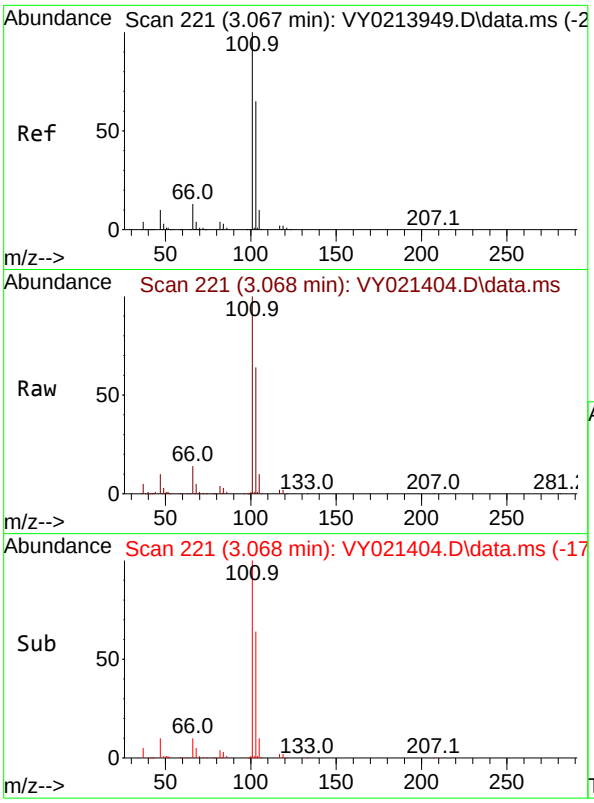


#6
Chloroethane
Concen: 48.912 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 64 Resp: 103894

Ion	Ratio	Lower	Upper
64	100		
66	32.4	26.7	40.1

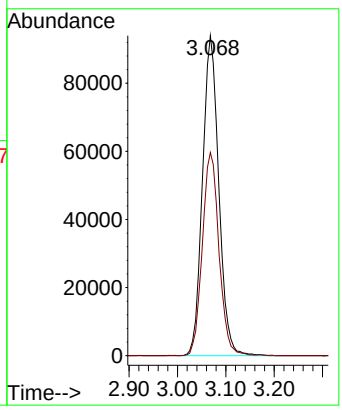




#7
Trichlorofluoromethane
Concen: 49.011 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:101 Resp: 21988

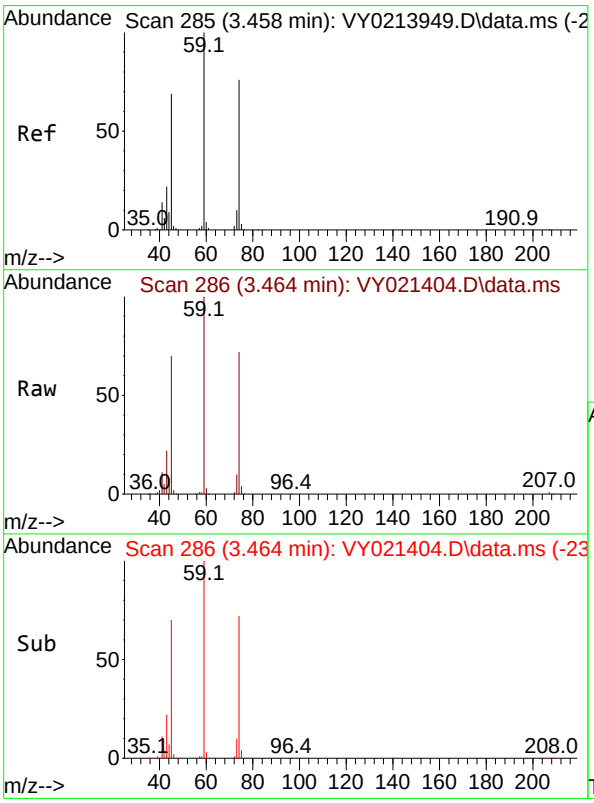
Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

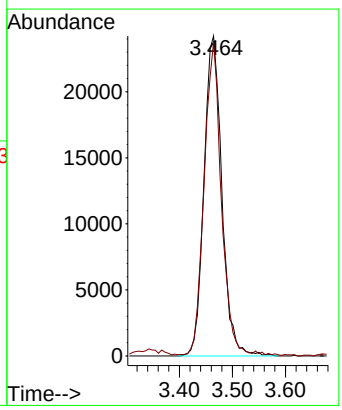
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

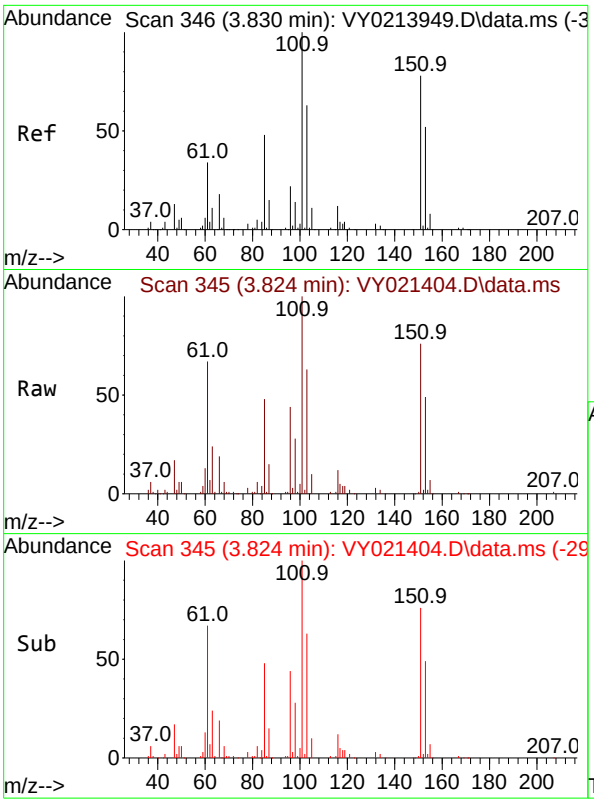


#8
Diethyl Ether
Concen: 45.628 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 74 Resp: 56729

Ion	Ratio	Lower	Upper
74	100		
45	93.0	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.142 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

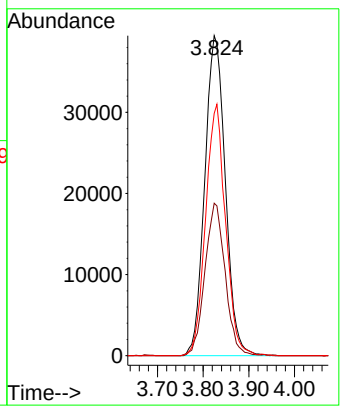
Tgt Ion:101 Resp: 12331

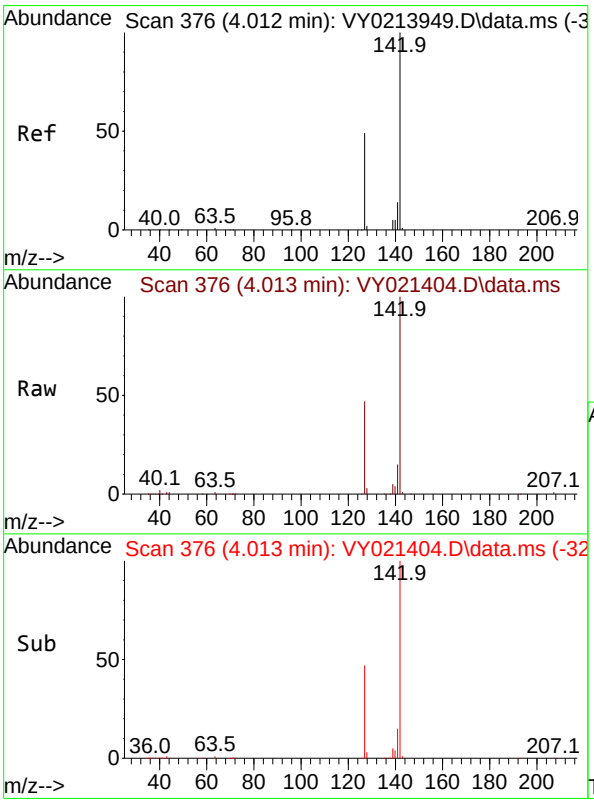
Ion	Ratio	Lower	Upper
101	100		
85	47.0	37.1	55.7
151	76.2	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

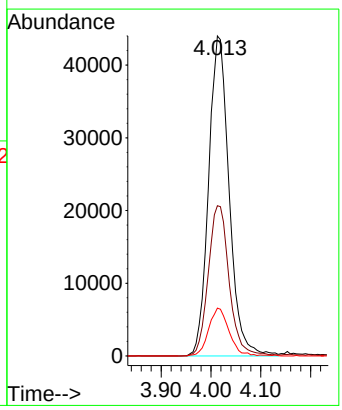


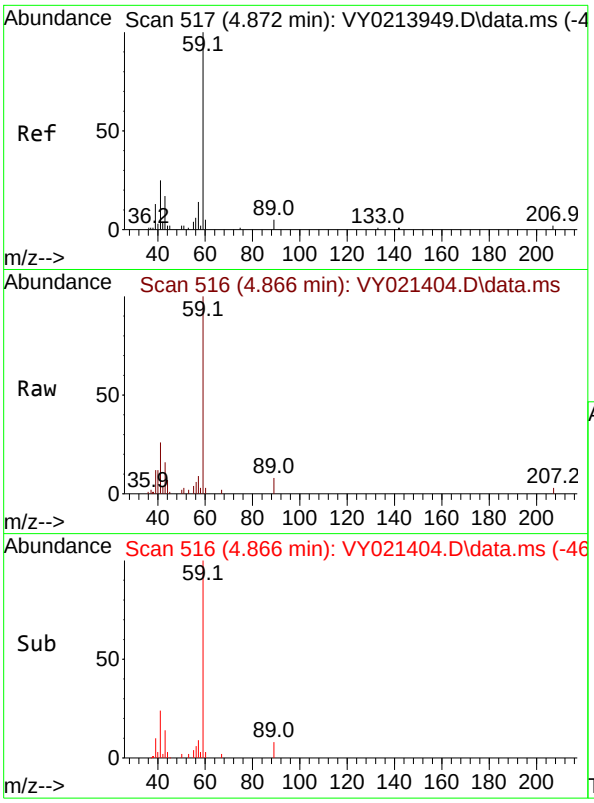


#10
Methyl Iodide
Concen: 48.336 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:142 Resp: 125851

Ion	Ratio	Lower	Upper
142	100		
127	48.0	39.1	58.7
141	14.9	11.8	17.6





#11
Tert butyl alcohol
Concen: 211.206 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

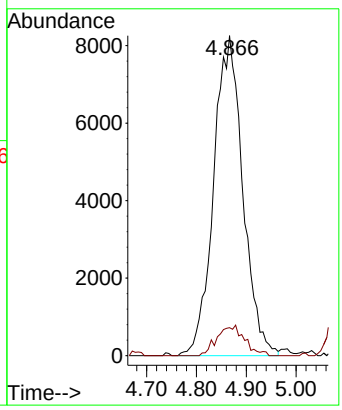
Tgt Ion: 59 Resp: 3354

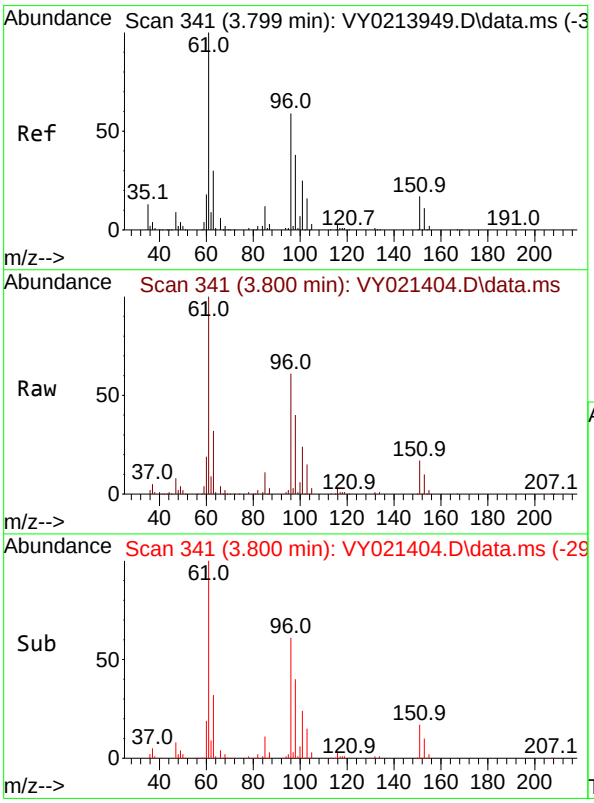
Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.2	12.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

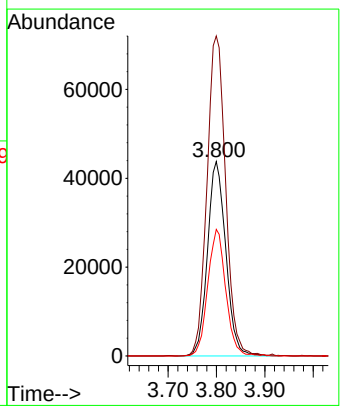


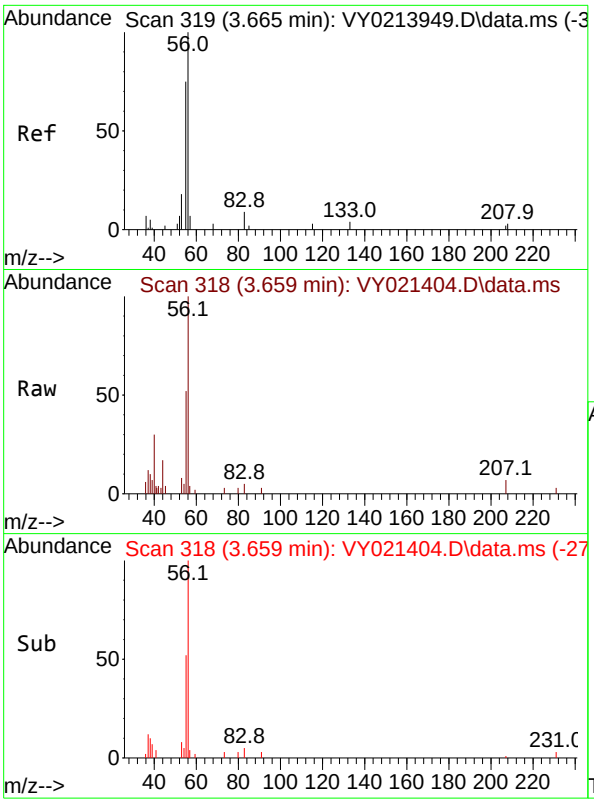


#12
1,1-Dichloroethene
Concen: 49.424 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.001 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 96 Resp: 115418

Ion	Ratio	Lower	Upper
96	100		
61	164.6	135.2	202.8
98	65.1	51.4	77.2





#13
Acrolein
Concen: 45.035 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

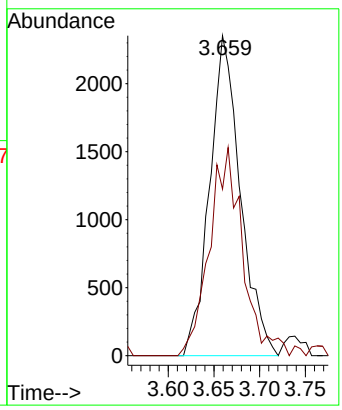
Tgt Ion: 56 Resp: 550

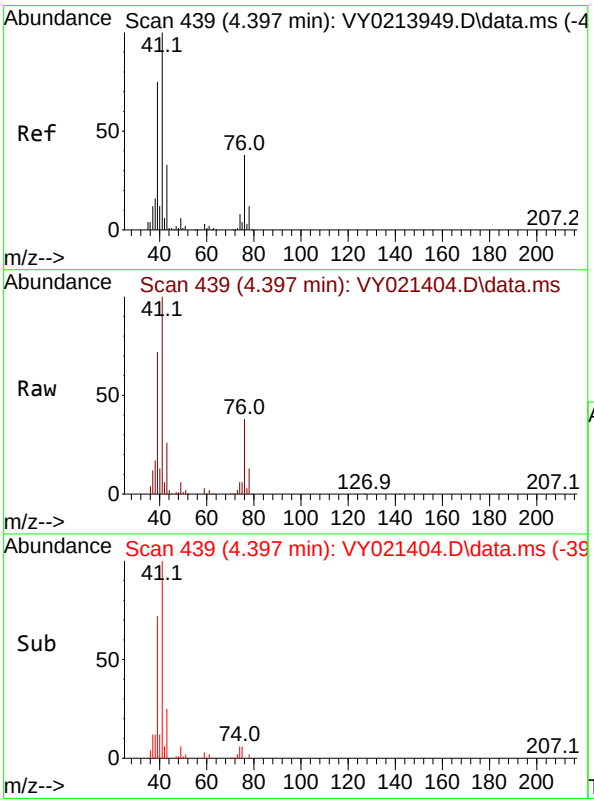
Ion	Ratio	Lower	Upper
56	100		
55	69.9	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

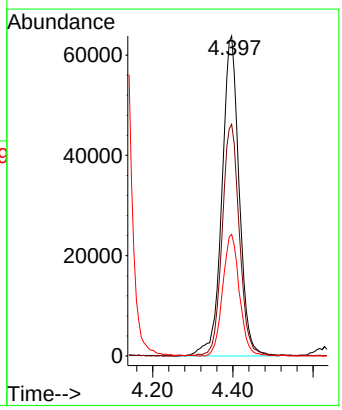


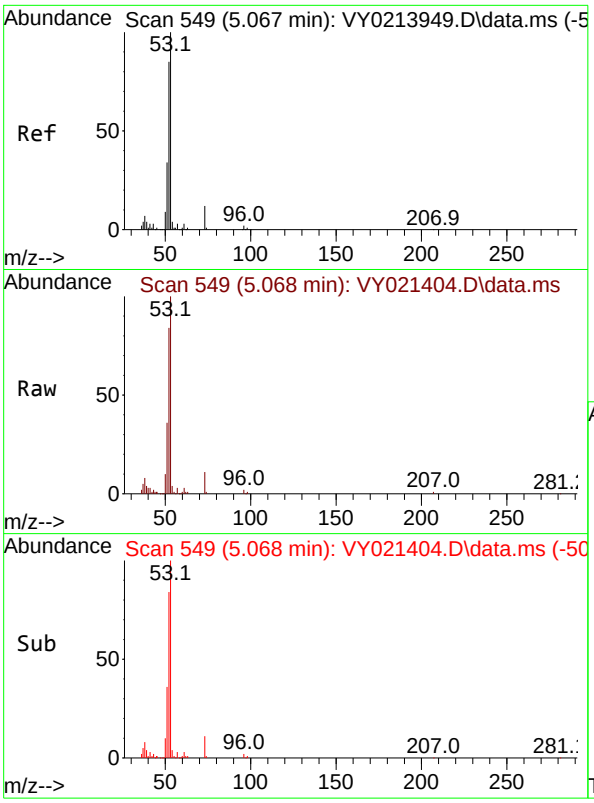


#14
Allyl chloride
Concen: 50.500 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 41 Resp: 190579

Ion	Ratio	Lower	Upper
41	100		
39	72.5	59.3	88.9
76	37.0	29.8	44.8





#15
Acrylonitrile
Concen: 218.213 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

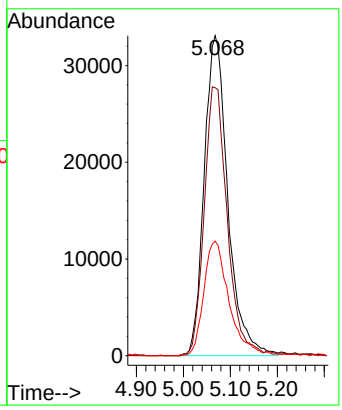
Tgt Ion: 53 Resp: 11549

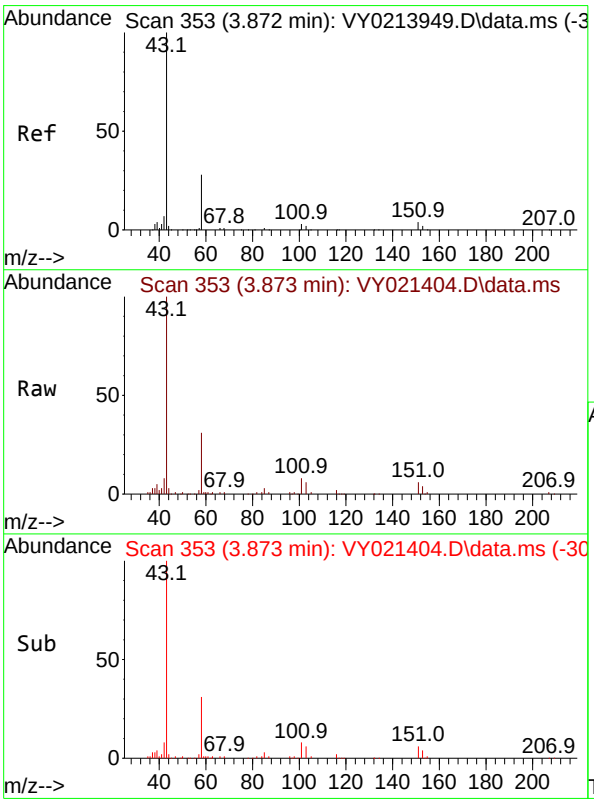
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.3	99.5
51	38.4	30.3	45.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

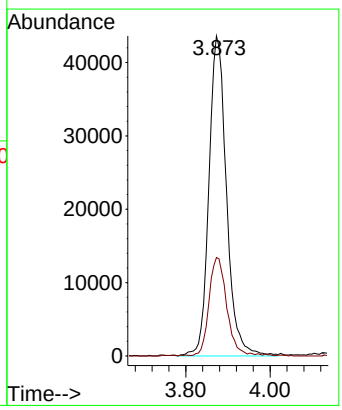


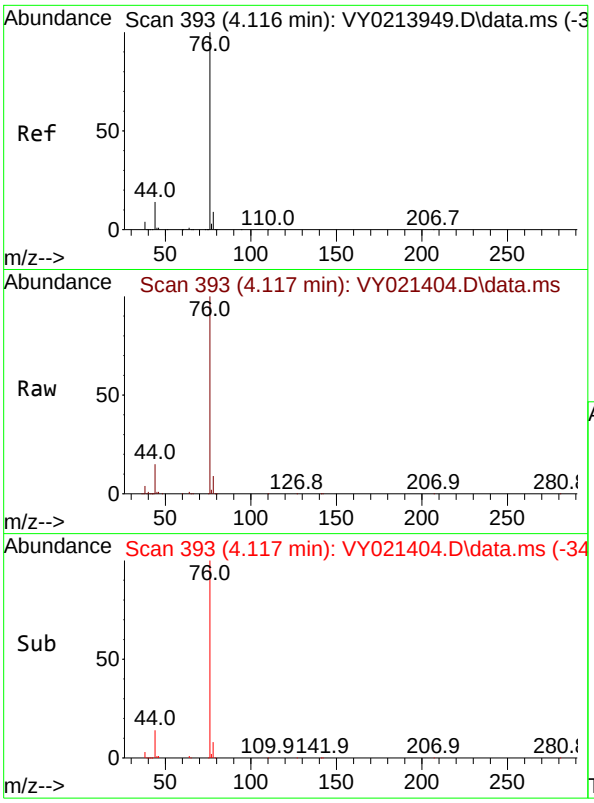


#16
Acetone
Concen: 241.068 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 126338

Ion	Ratio	Lower	Upper
43	100		
58	30.7	22.1	33.1

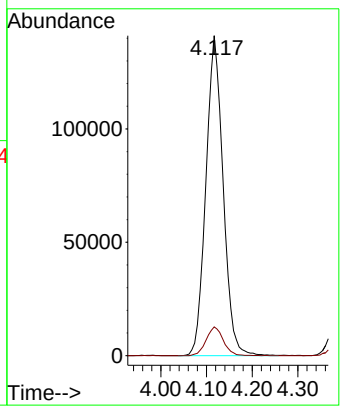




#17
Carbon Disulfide
Concen: 50.464 ug/l
RT: 4.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 76 Resp: 36932

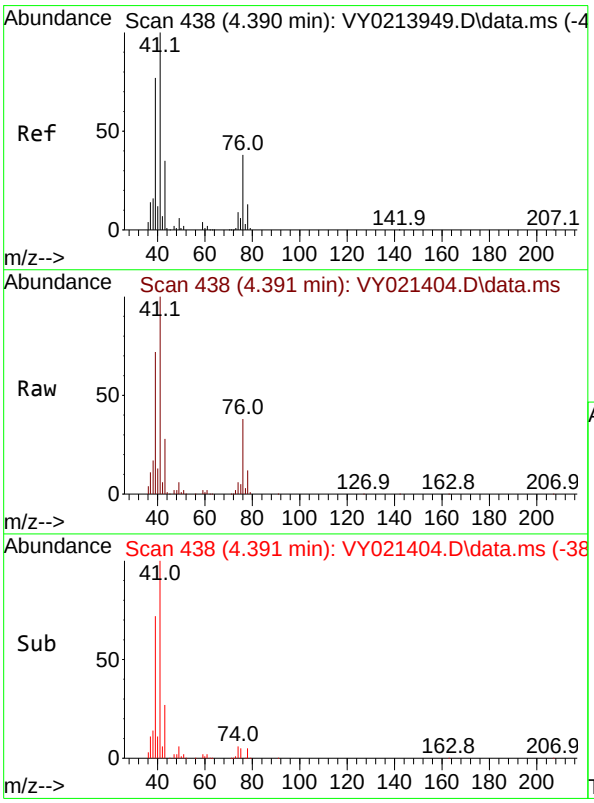
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

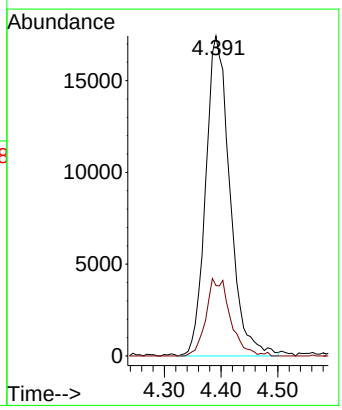
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

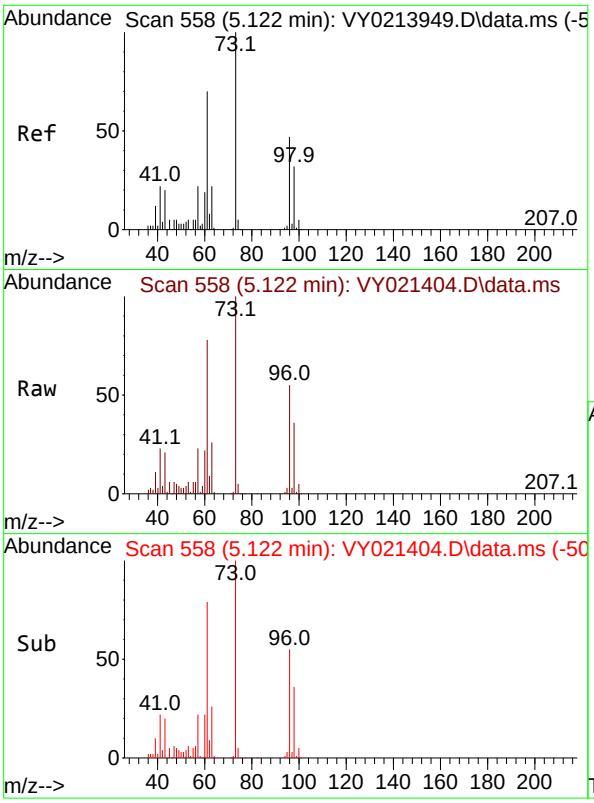


#18
Methyl Acetate
Concen: 44.501 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 51747

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.0

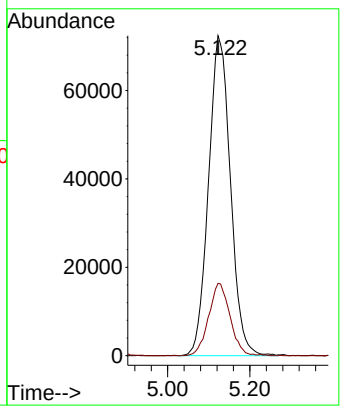




#19
Methyl tert-butyl Ether
Concen: 45.249 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 73 Resp: 26782

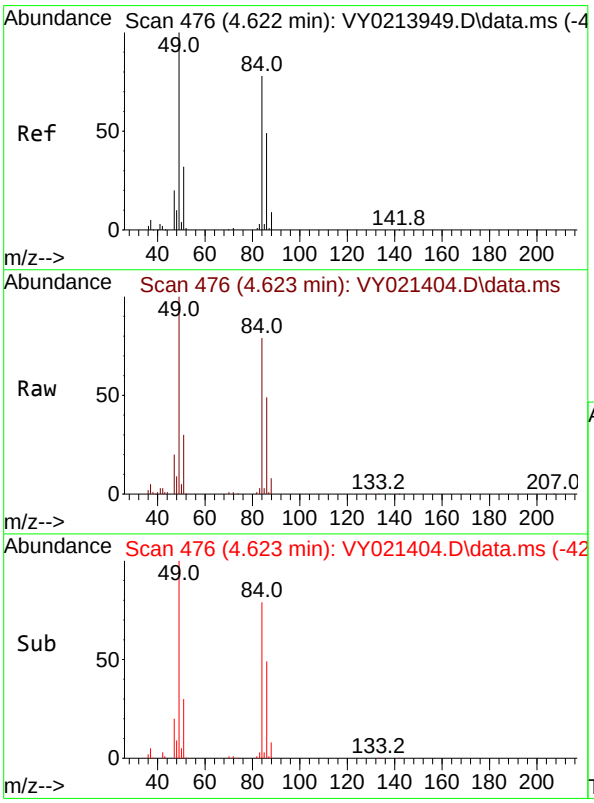
Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

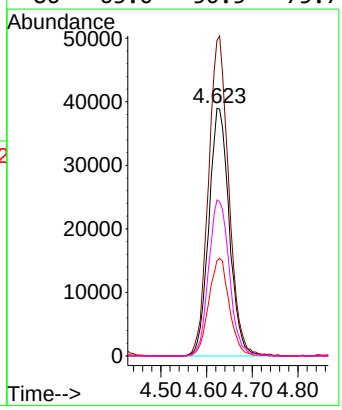
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

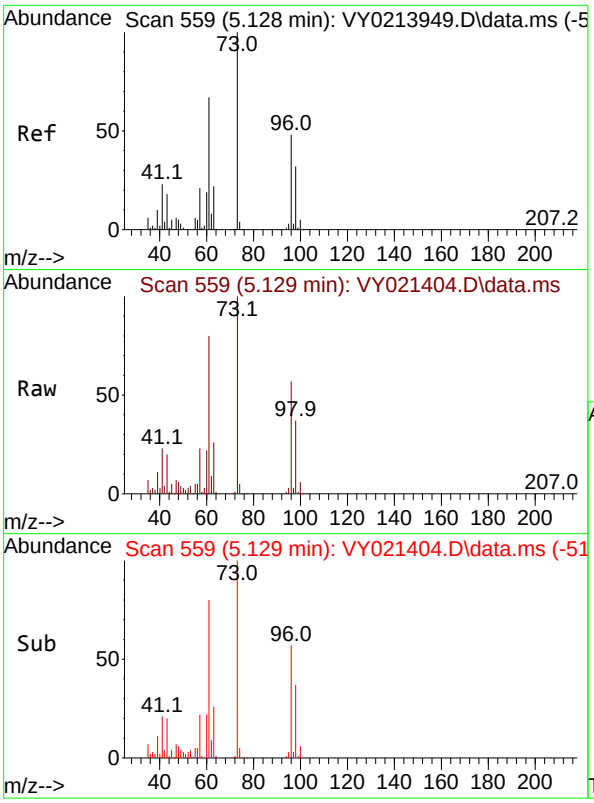


#20
Methylene Chloride
Concen: 43.913 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 84 Resp: 120803

Ion	Ratio	Lower	Upper
84	100		
49	127.3	102.0	153.0
51	38.4	33.0	49.6
86	63.0	50.5	75.7

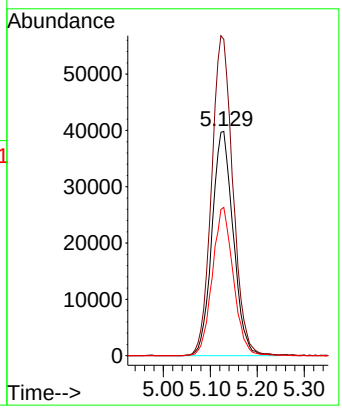




#21
trans-1,2-Dichloroethene
Concen: 48.065 ug/l
RT: 5.129 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 96 Resp: 12570

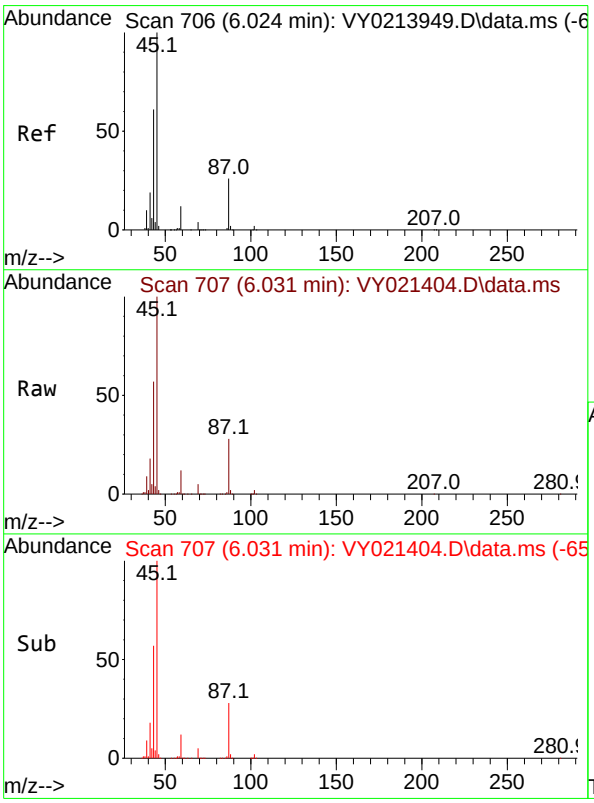
Ion	Ratio	Lower	Upper
96	100		
61	140.9	111.5	167.3
98	66.1	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

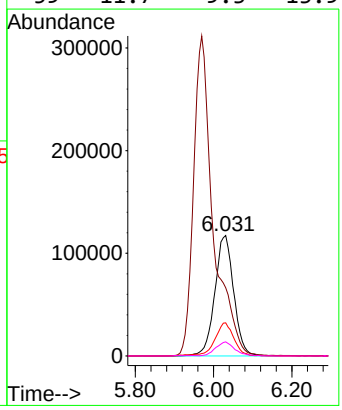
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

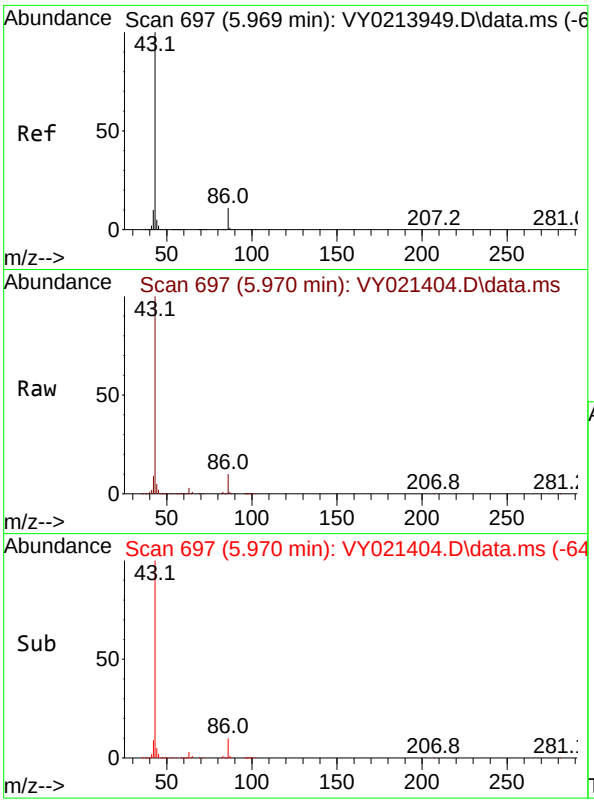


#22
Diisopropyl ether
Concen: 48.325 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 45 Resp: 393029

Ion	Ratio	Lower	Upper
45	100		
43	56.2	48.7	73.1
87	27.5	21.5	32.3
59	11.7	9.3	13.9





#23
Vinyl Acetate
Concen: 233.756 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

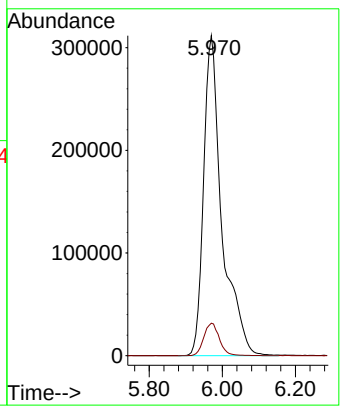
Tgt Ion: 43 Resp: 108499

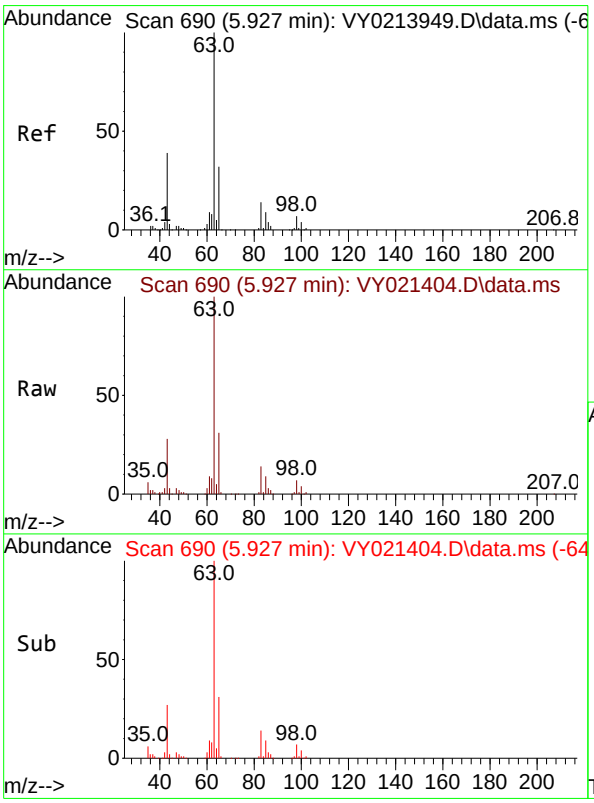
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

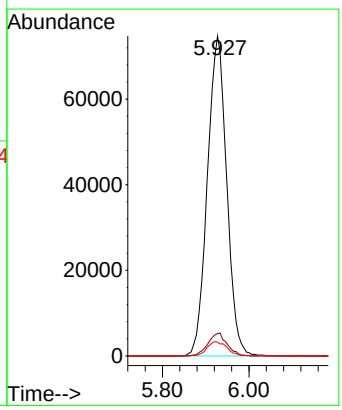


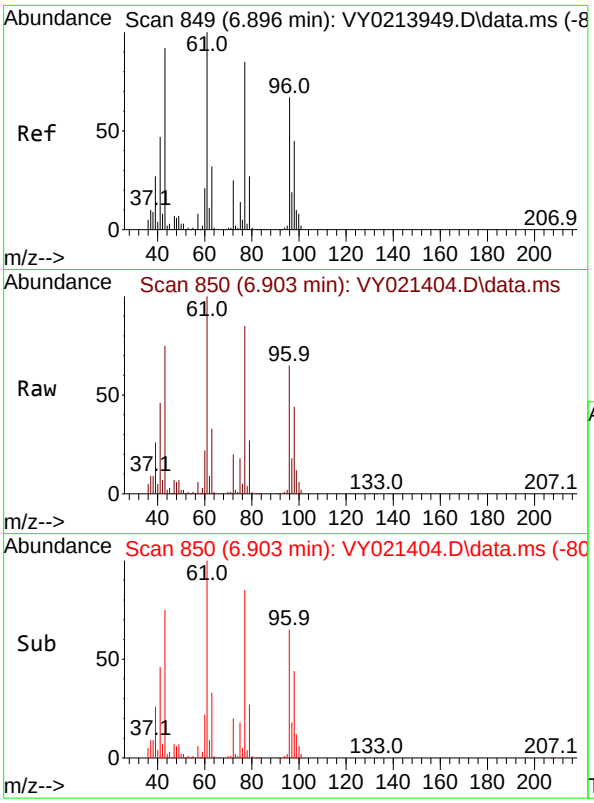


#24
1,1-Dichloroethane
Concen: 48.243 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 63 Resp: 231573

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.9
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 222.145 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

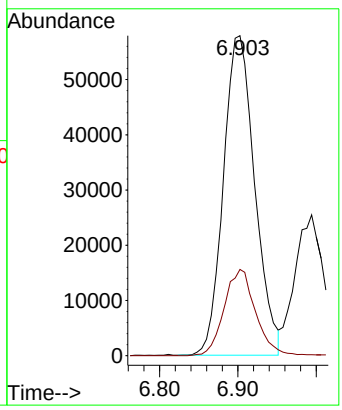
Tgt Ion: 43 Resp: 16104

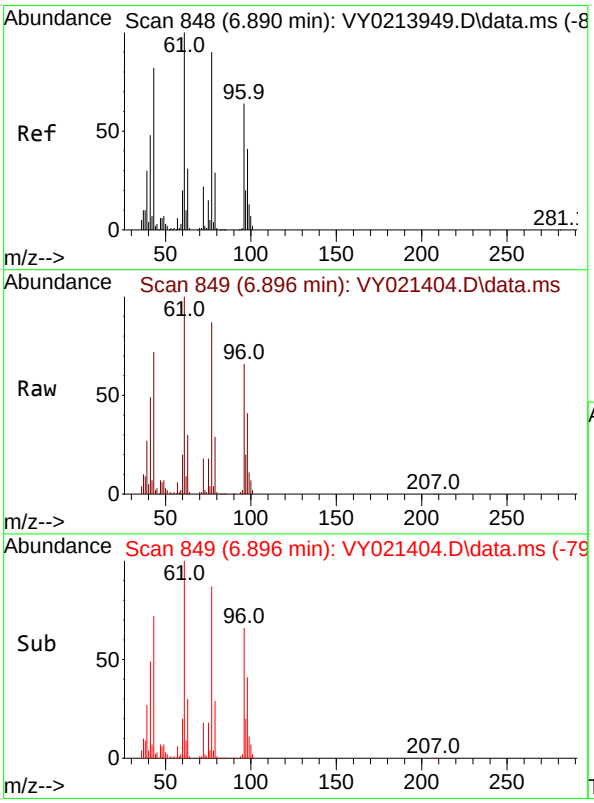
Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

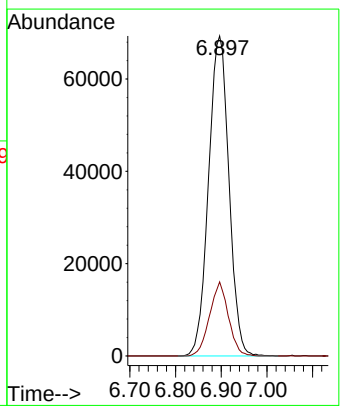


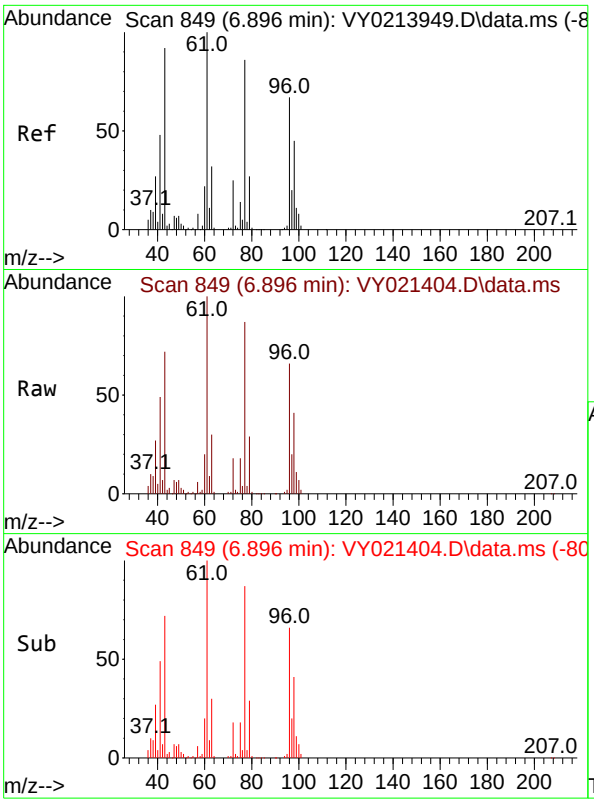


#26
2,2-Dichloropropane
Concen: 48.615 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 77 Resp: 214717

Ion	Ratio	Lower	Upper
77	100		
97	21.4	11.3	33.8

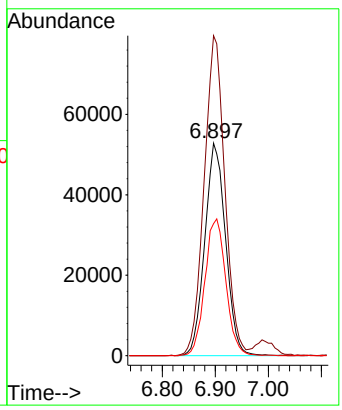




#27
cis-1,2-Dichloroethene
Concen: 48.506 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 96 Resp: 14411

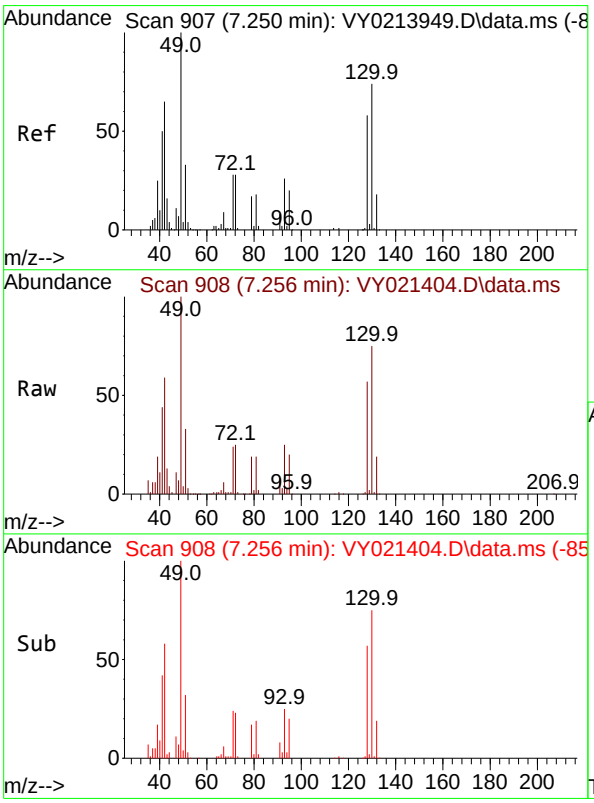
Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	300.8
98	64.9	0.0	130.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

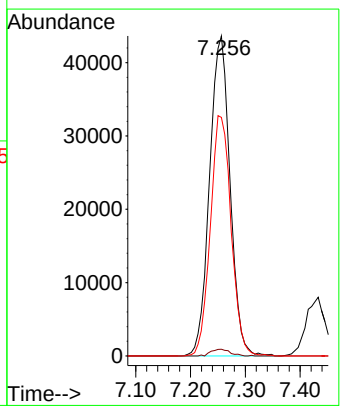
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

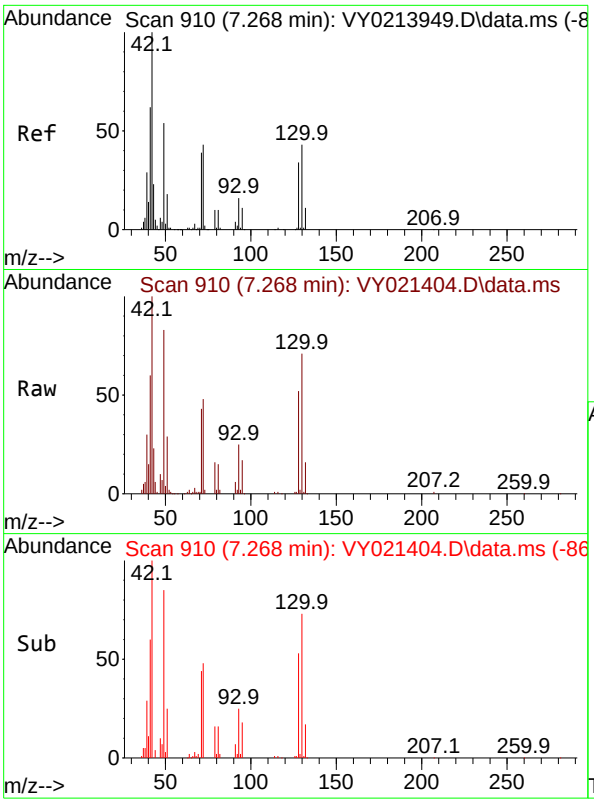


#28
Bromochloromethane
Concen: 56.200 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 49 Resp: 113096

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	76.1	59.6	89.4

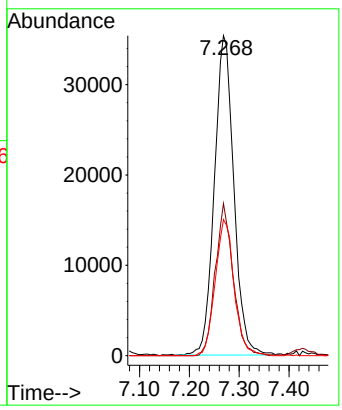




#29
Tetrahydrofuran
Concen: 214.177 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 42 Resp: 9585

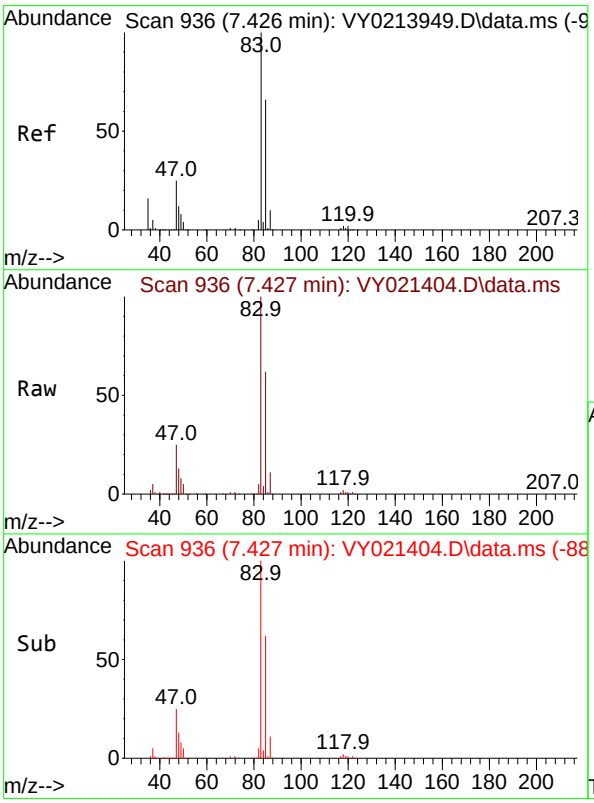
Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.8	52.2
71	41.4	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

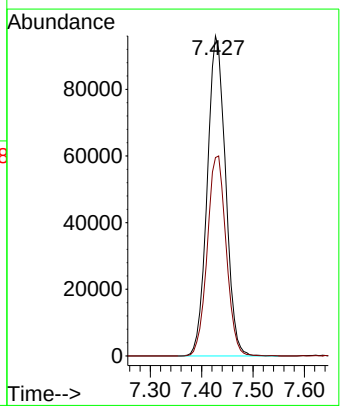
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

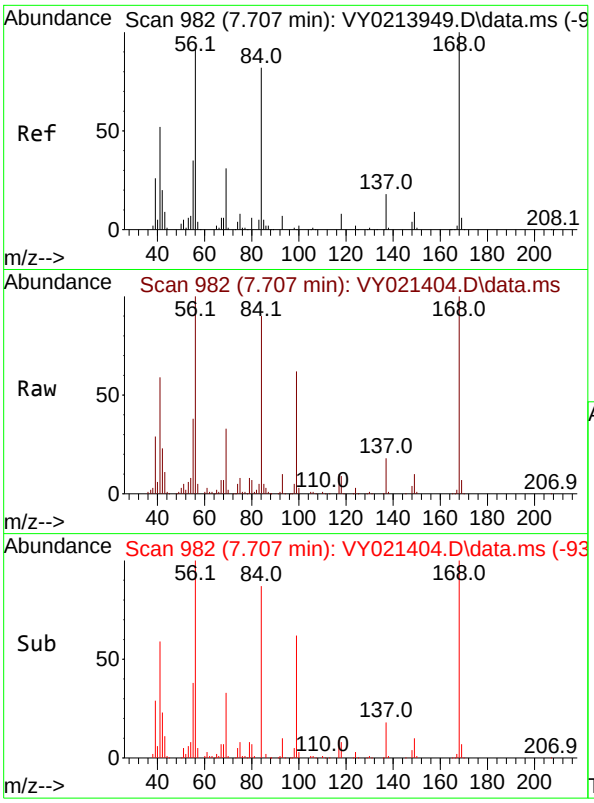


#30
Chloroform
Concen: 47.758 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 83 Resp: 238047

Ion	Ratio	Lower	Upper
83	100		
85	62.0	53.1	79.7

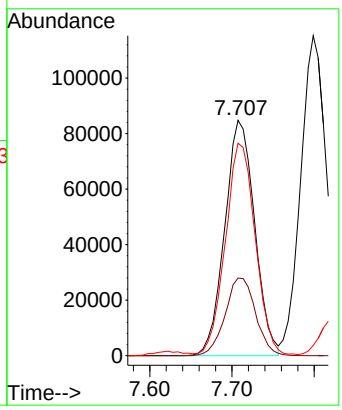




#31
Cyclohexane
Concen: 47.720 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 56 Resp: 21474

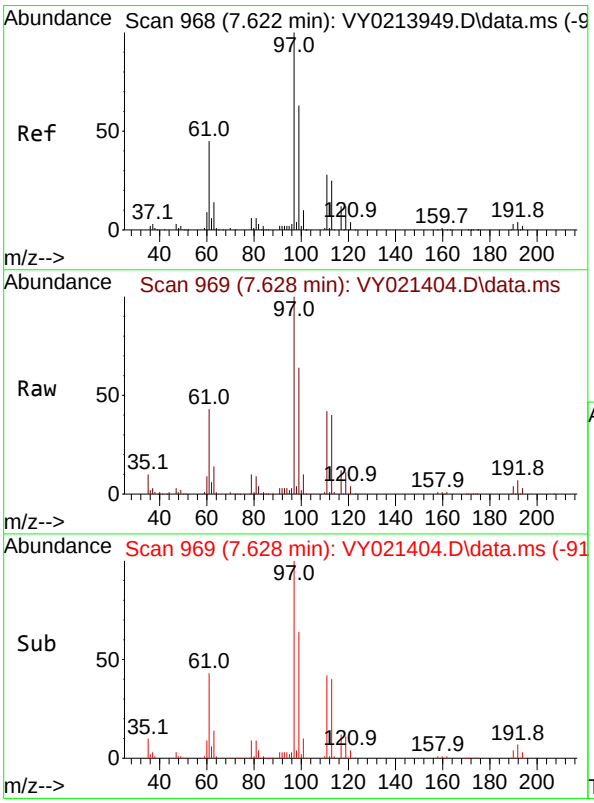
Ion	Ratio	Lower	Upper
56	100		
69	33.0	27.0	40.4
84	88.6	71.1	106.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

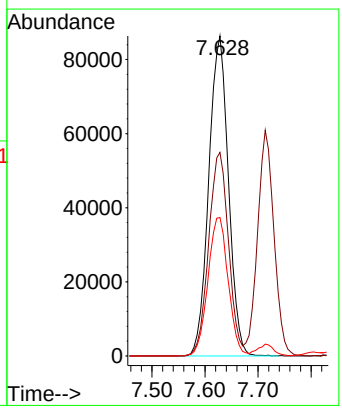
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

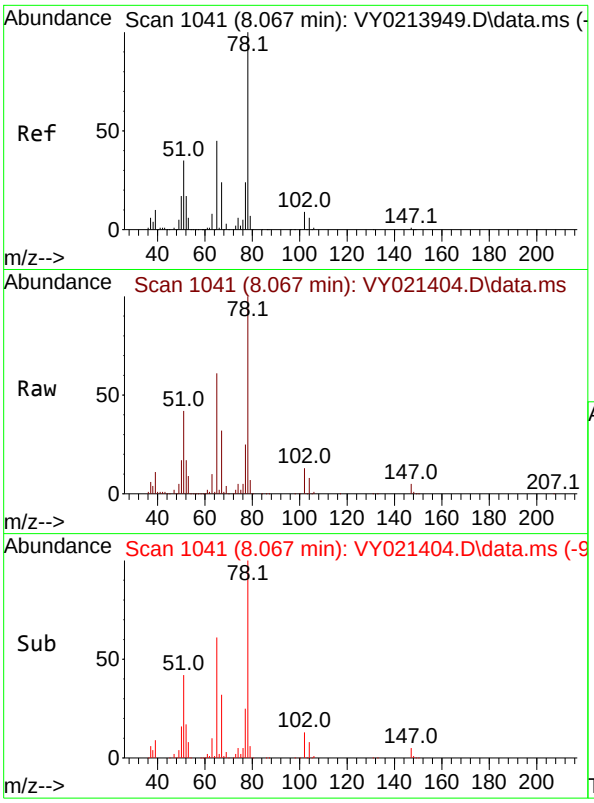


#32
1,1,1-Trichloroethane
Concen: 48.703 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 97 Resp: 222274

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	44.6	35.7	53.5

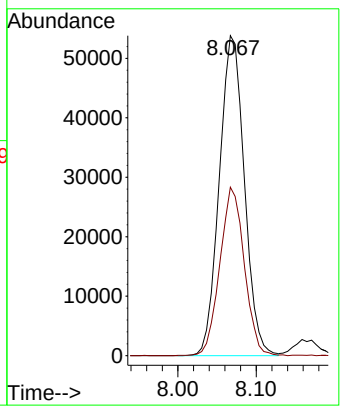




#33
1,2-Dichloroethane-d4
Concen: 49.828 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 65 Resp: 11972

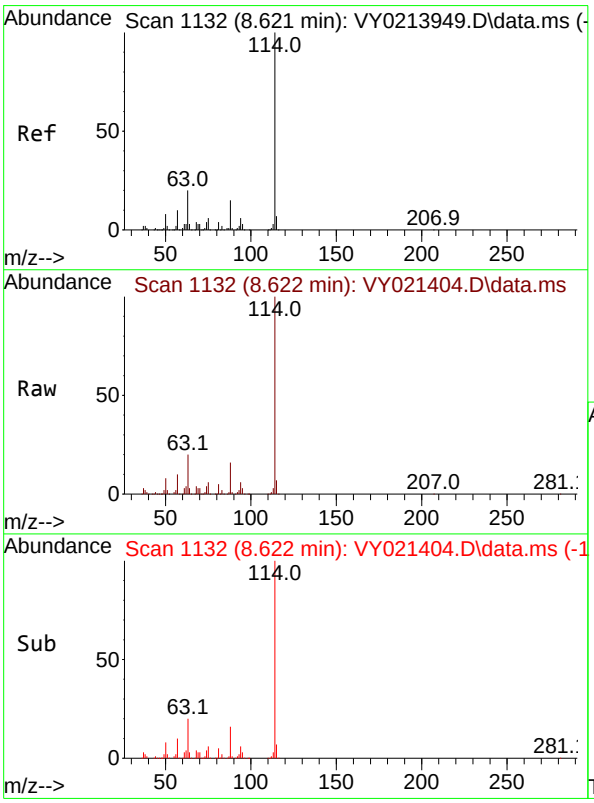
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

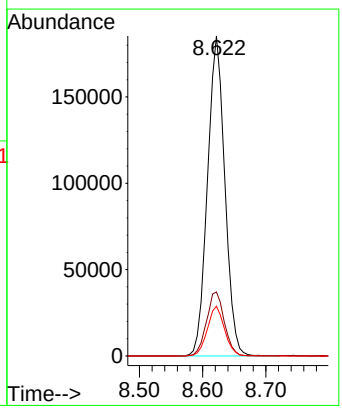
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

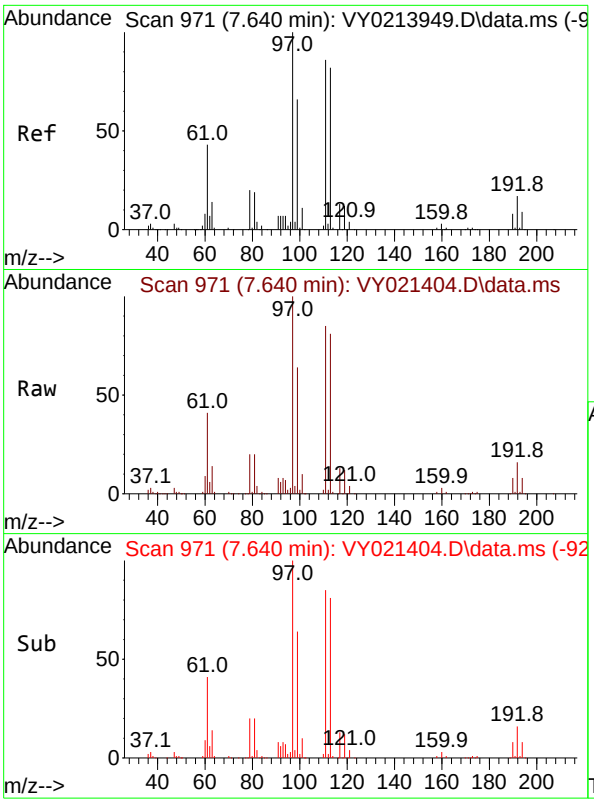


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:114 Resp: 353570

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	15.5	0.0	30.8





#35
Dibromofluoromethane
Concen: 50.894 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

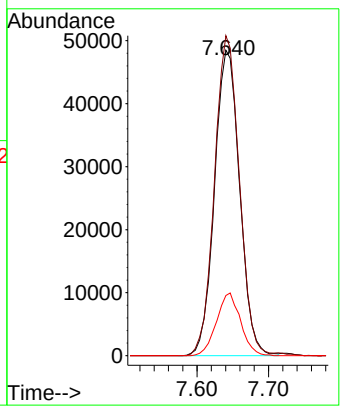
Tgt Ion:113 Resp: 11828

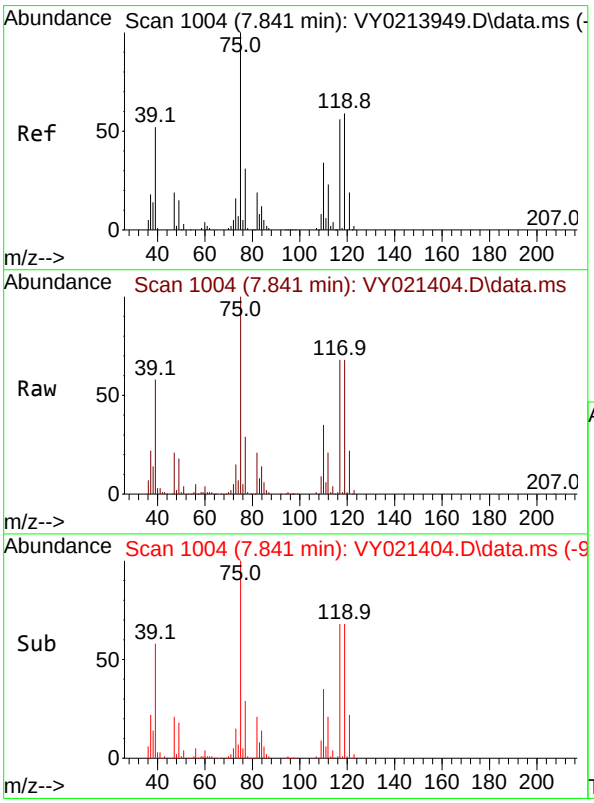
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.0	123.0
192	19.7	15.9	23.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

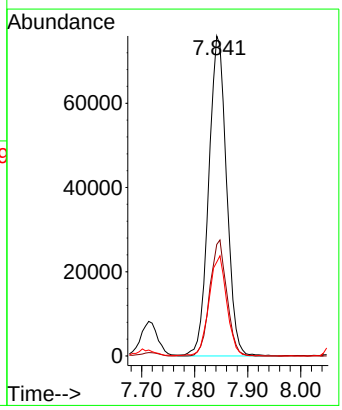


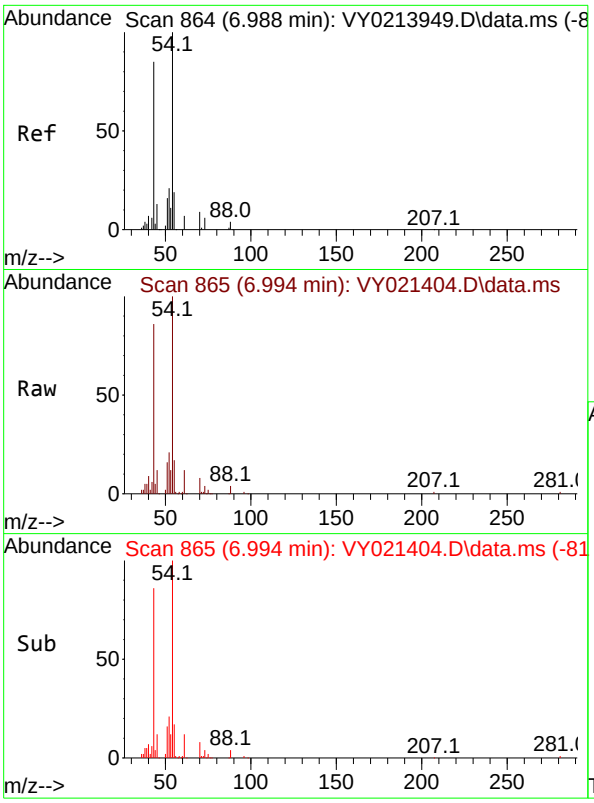


#36
1,1-Dichloropropene
Concen: 48.866 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 75 Resp: 177770

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	51.7
77	31.0	25.4	38.2





#37
Ethyl Acetate
Concen: 43.078 ug/l
RT: 6.994 min Scan# 8(
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

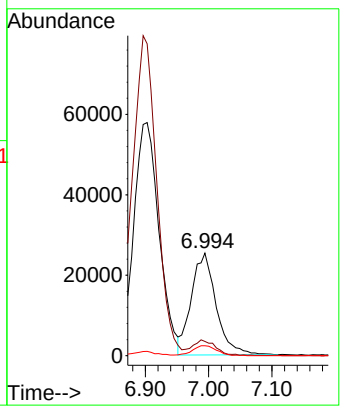
Tgt Ion: 43 Resp: 6926(

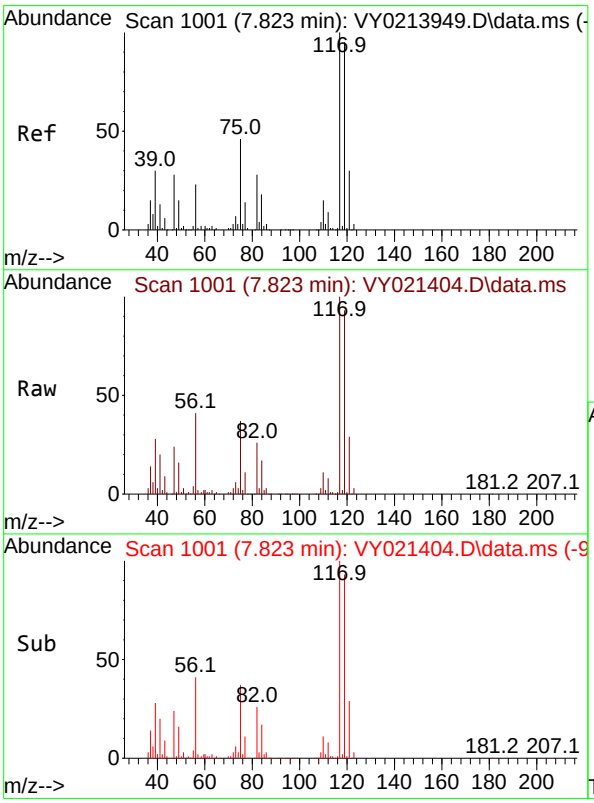
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.4	17.0
70	9.7	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

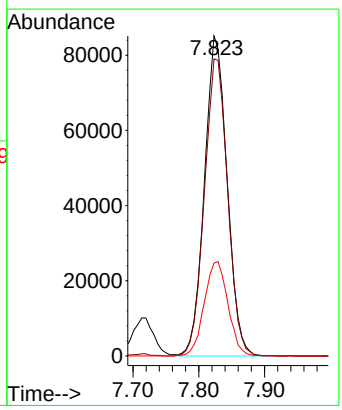


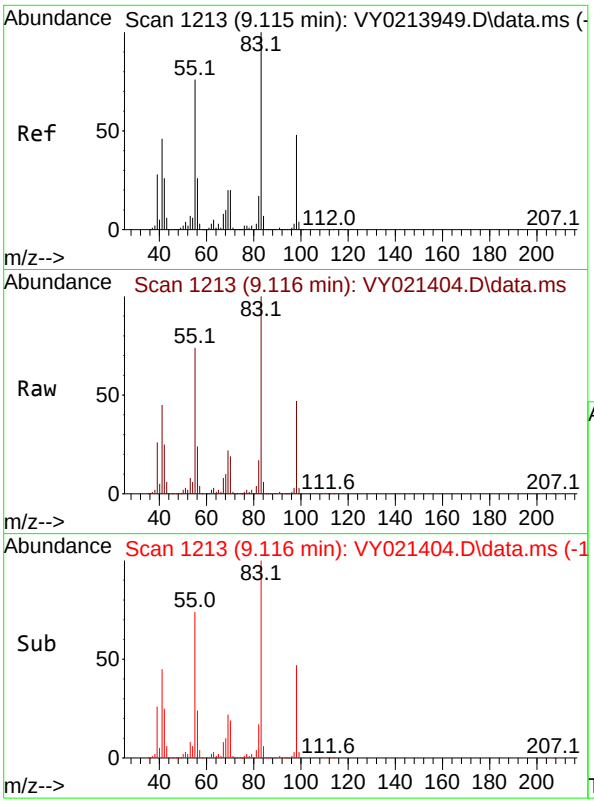


#38
Carbon Tetrachloride
Concen: 48.800 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:117 Resp: 204174

Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.8	113.8
121	29.0	23.9	35.9





#39
Methylcyclohexane
Concen: 51.724 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

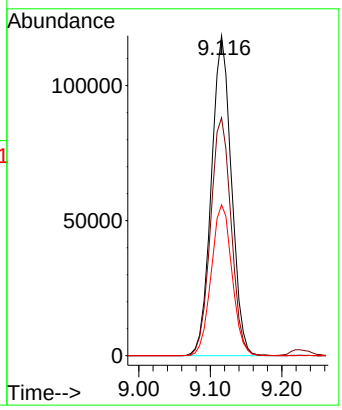
Tgt Ion: 83 Resp: 23081

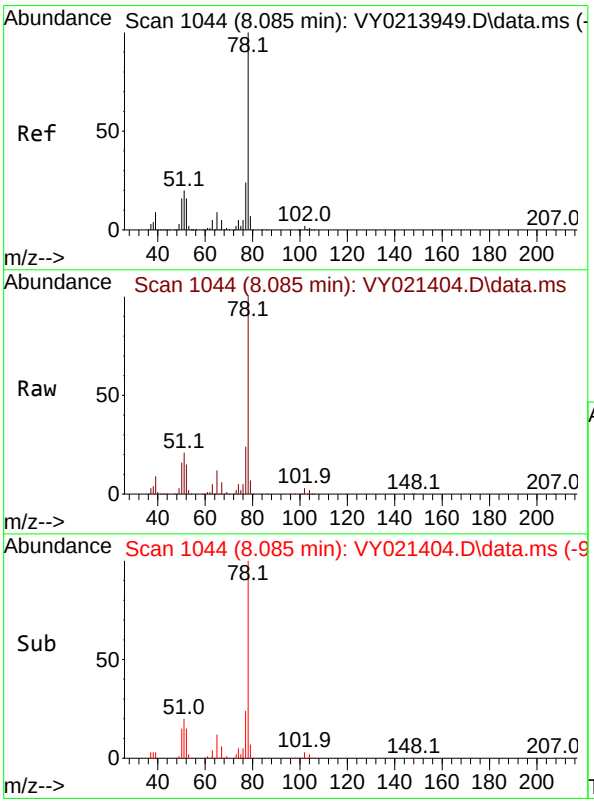
Ion	Ratio	Lower	Upper
83	100		
55	74.4	60.7	91.1
98	47.1	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

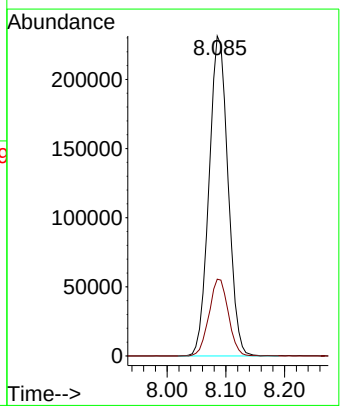


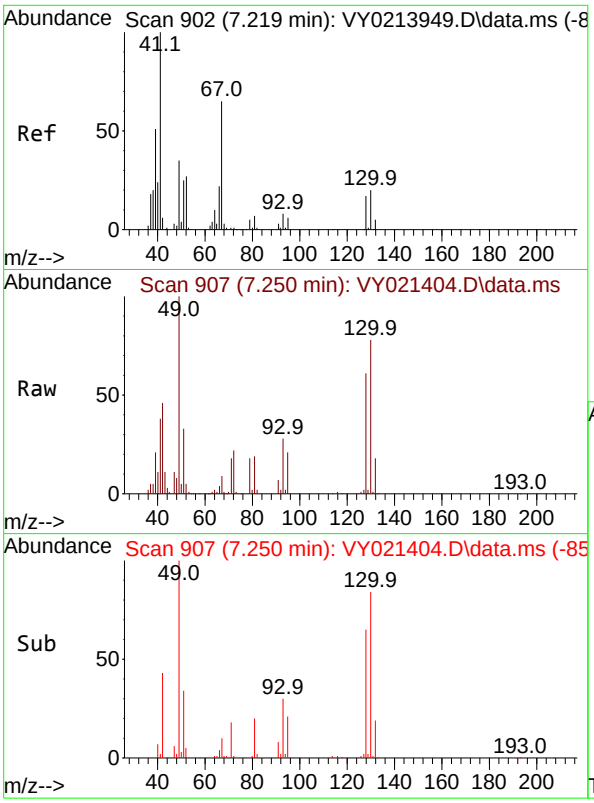


#40
Benzene
Concen: 48.542 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 78 Resp: 520202

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4

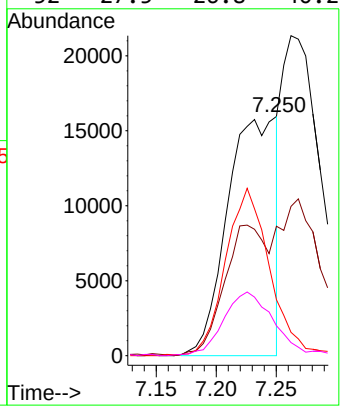




#41
Methacrylonitrile
Concen: 51.920 ug/l m
RT: 7.250 min Scan# 9
Delta R.T. 0.031 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 41 Resp: 4545

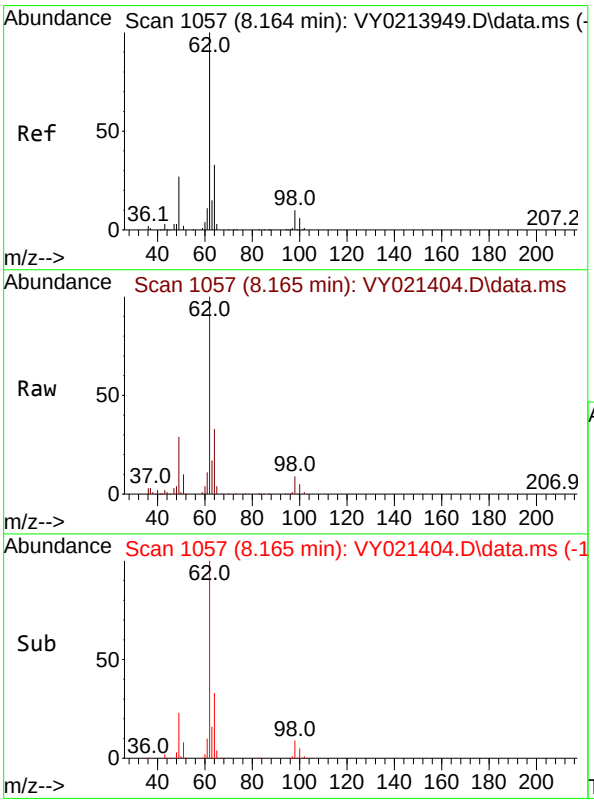
Ion	Ratio	Lower	Upper
41	100		
39	47.2	35.0	52.6
67	63.4	61.2	91.8
52	27.5	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

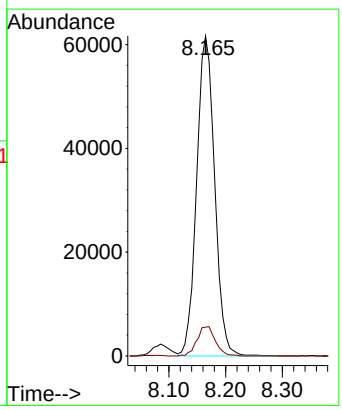
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

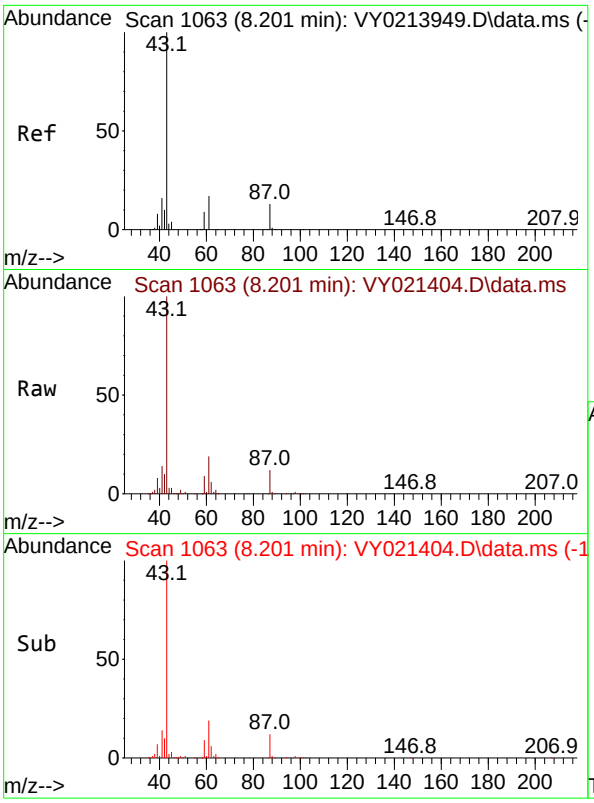


#42
1,2-Dichloroethane
Concen: 45.393 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 62 Resp: 136088

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2

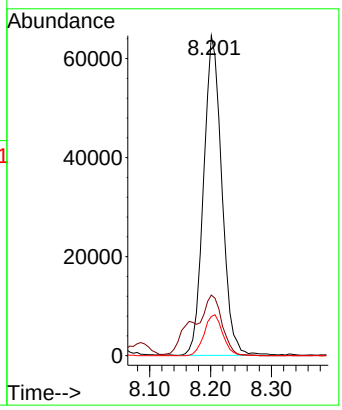




#43
Isopropyl Acetate
Concen: 43.036 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 13433

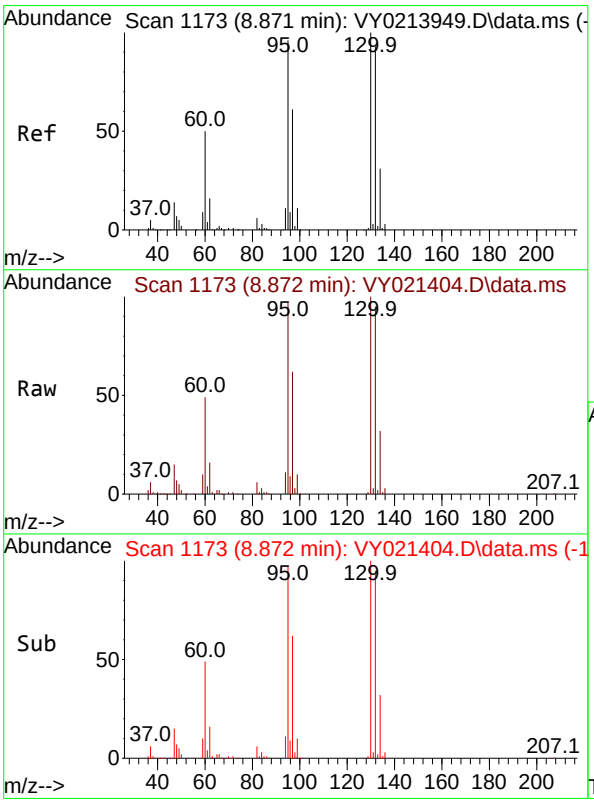
Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.4	35.0
87	13.1	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

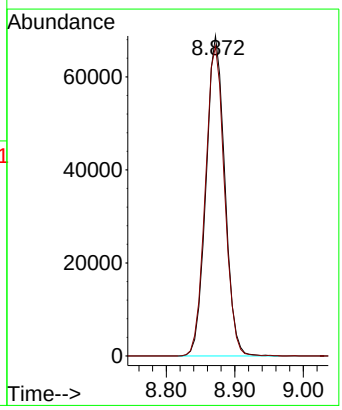
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

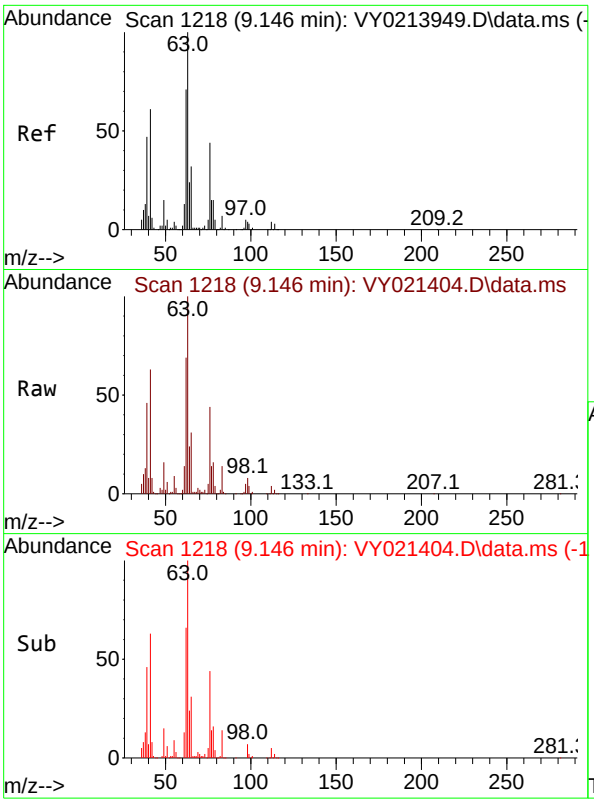


#44
Trichloroethene
Concen: 48.321 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:130 Resp: 130855

Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	191.6





#45
1,2-Dichloropropane
Concen: 47.287 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

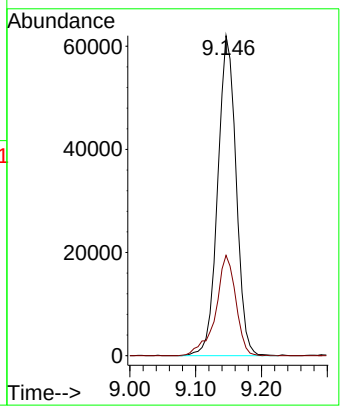
Tgt Ion: 63 Resp: 12060

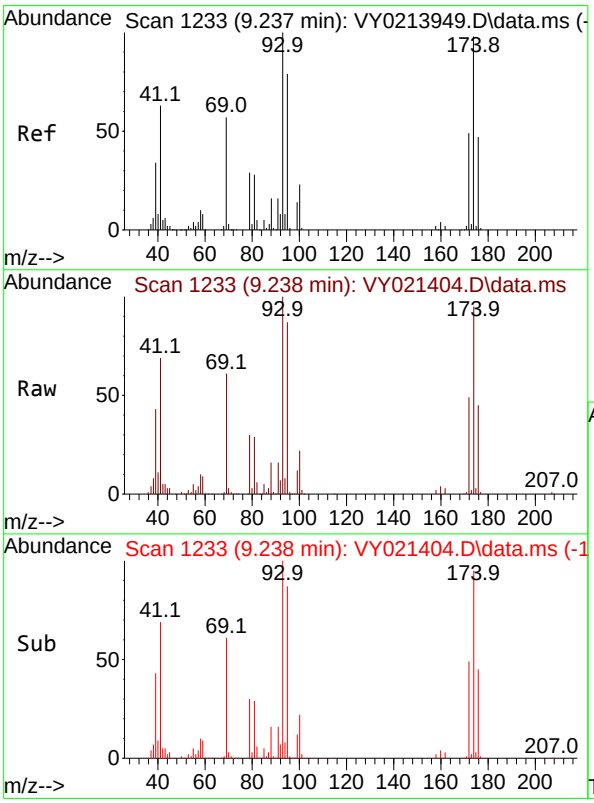
Ion	Ratio	Lower	Upper
63	100		
65	31.4	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

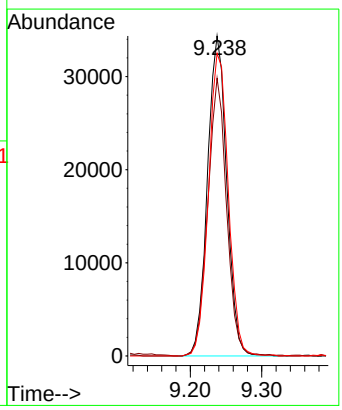


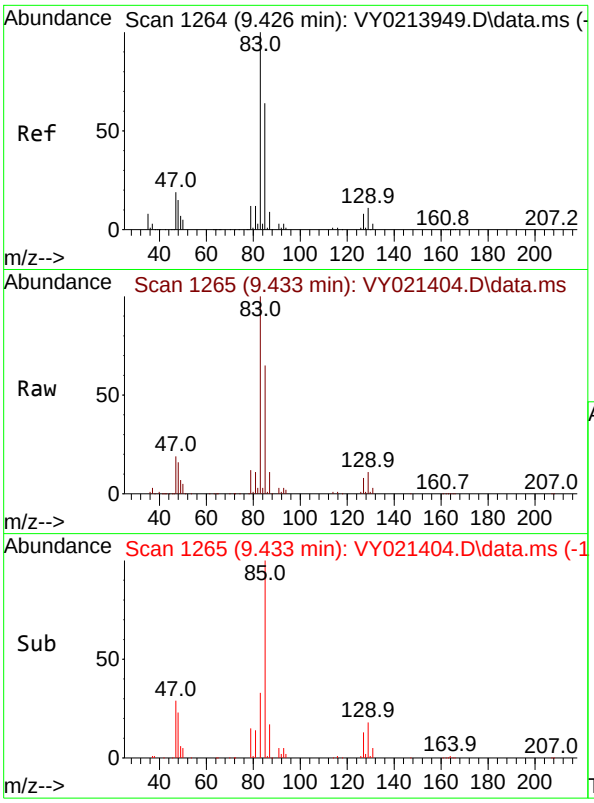


#46
Dibromomethane
Concen: 45.413 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 93 Resp: 64447

Ion	Ratio	Lower	Upper
93	100		
95	85.1	65.8	98.8
174	97.4	77.9	116.9

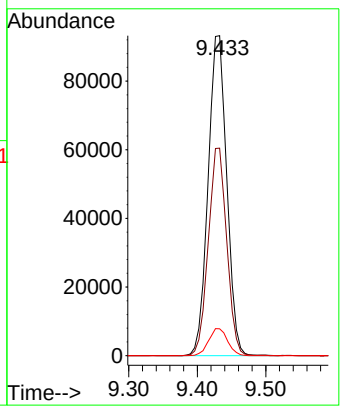




#47
Bromodichloromethane
Concen: 46.755 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 83 Resp: 17621

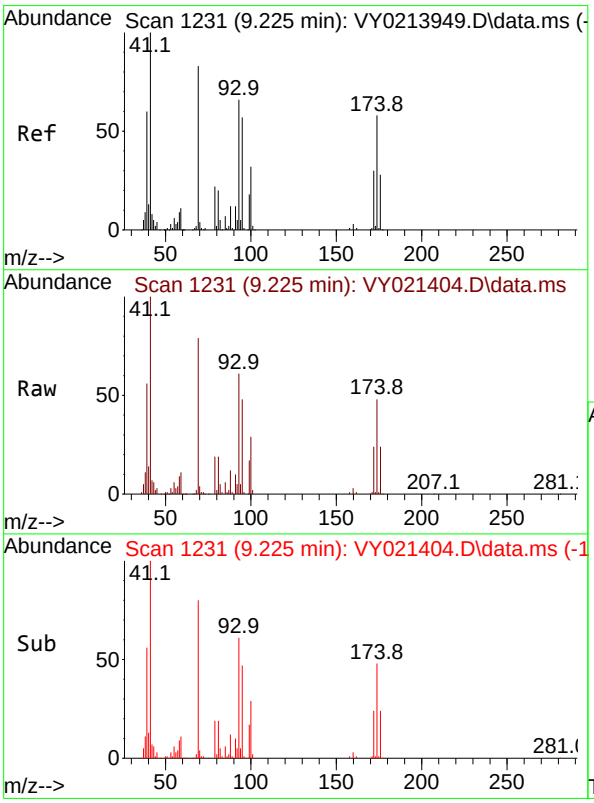
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

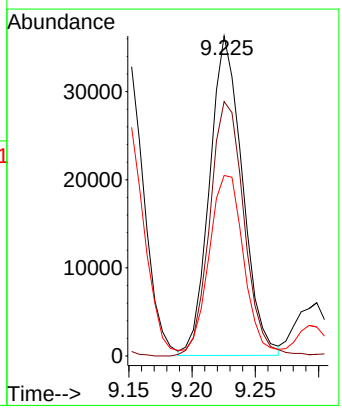
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

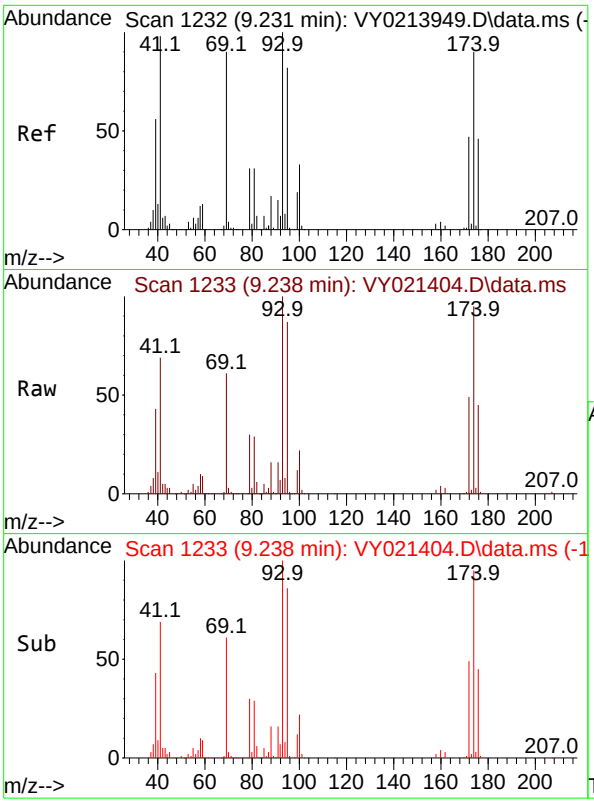


#48
Methyl methacrylate
Concen: 45.652 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 41 Resp: 65433

Ion	Ratio	Lower	Upper
41	100		
69	83.5	67.8	101.8
39	56.4	46.4	69.6





#49
1,4-Dioxane
Concen: 874.634 ug/l
RT: 9.238 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

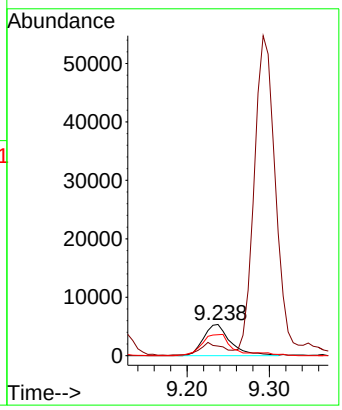
Tgt Ion: 88 Resp: 1218

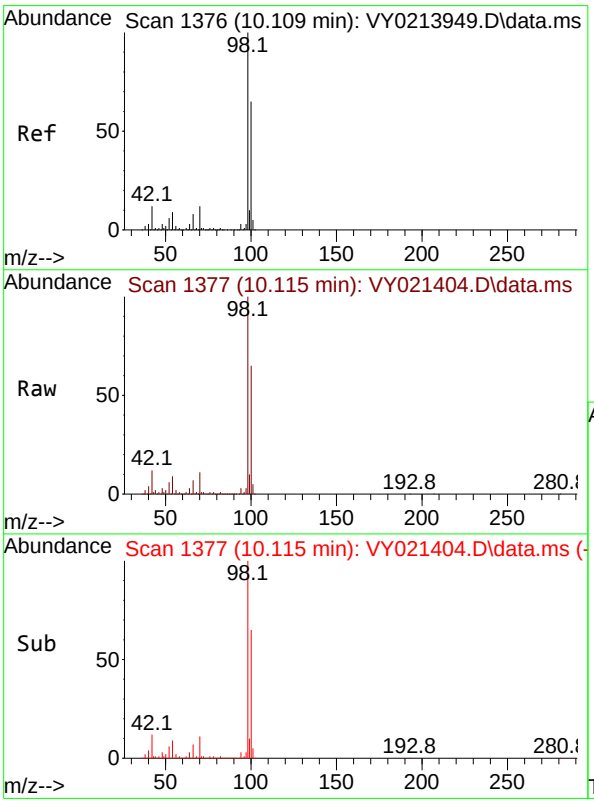
Ion	Ratio	Lower	Upper
88	100		
43	35.4	25.0	37.4
58	72.6	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

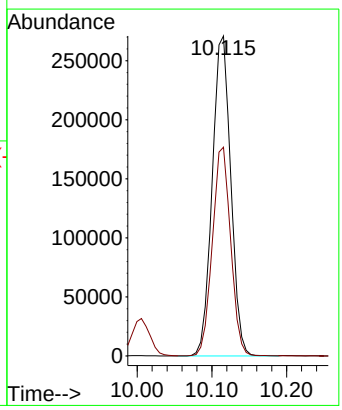


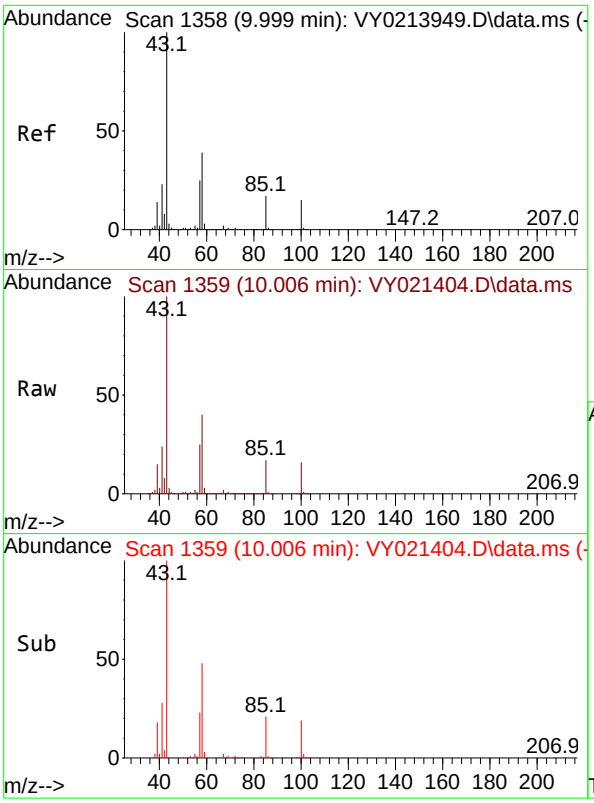


#50
Toluene-d8
Concen: 53.263 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 98 Resp: 468697

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

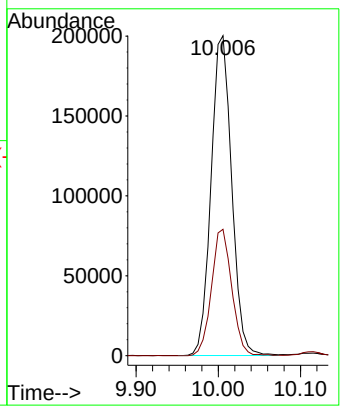




#51
4-Methyl-2-Pentanone
Concen: 216.781 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 34912

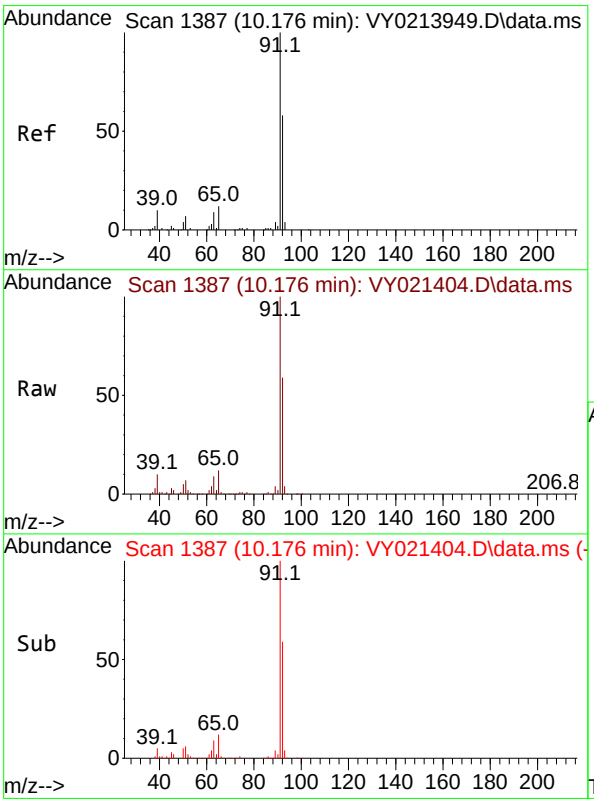
Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

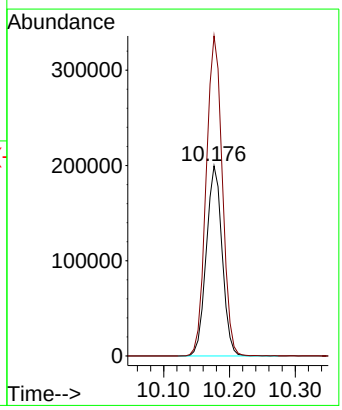
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

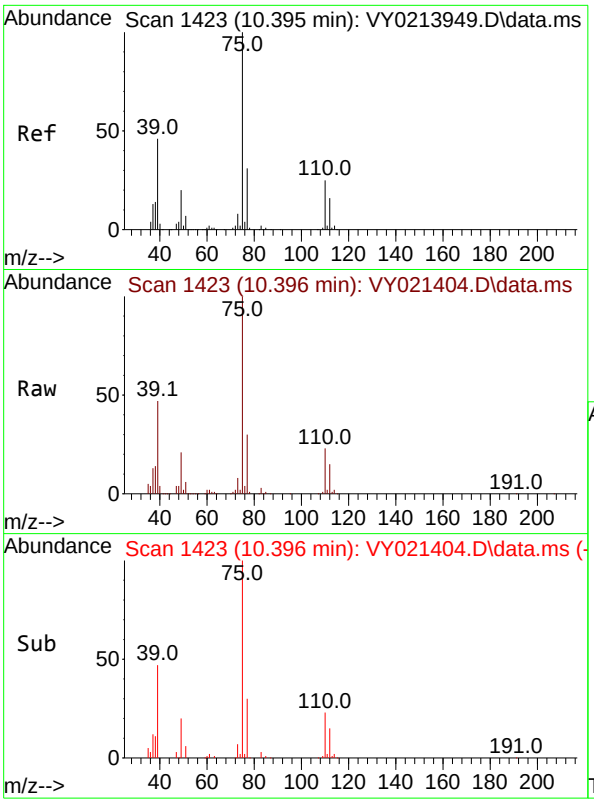


#52
Toluene
Concen: 49.486 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 92 Resp: 334342

Ion	Ratio	Lower	Upper
92	100		
91	171.6	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 47.312 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

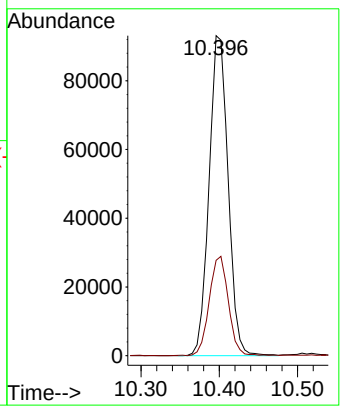
Tgt Ion: 75 Resp: 15709

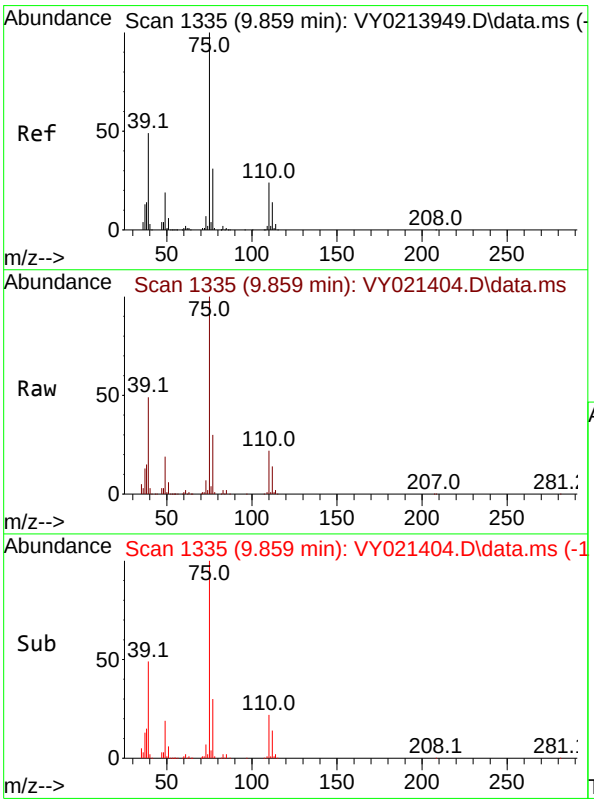
Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

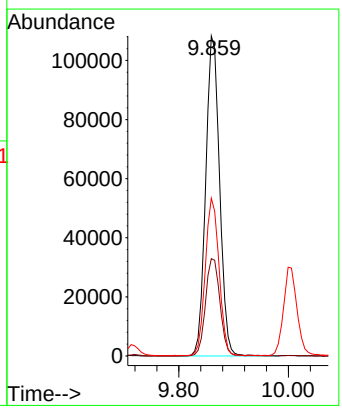


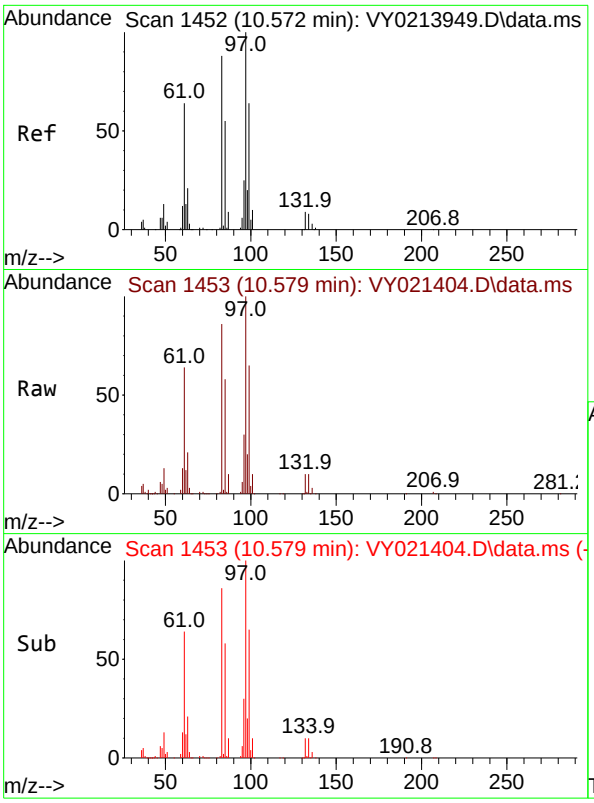


#54
cis-1,3-Dichloropropene
Concen: 48.236 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 75 Resp: 190151

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.6	37.0
39	49.2	39.4	59.2

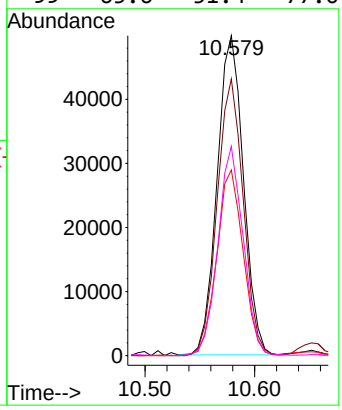




#55
1,1,2-Trichloroethane
Concen: 44.786 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 97 Resp: 8313

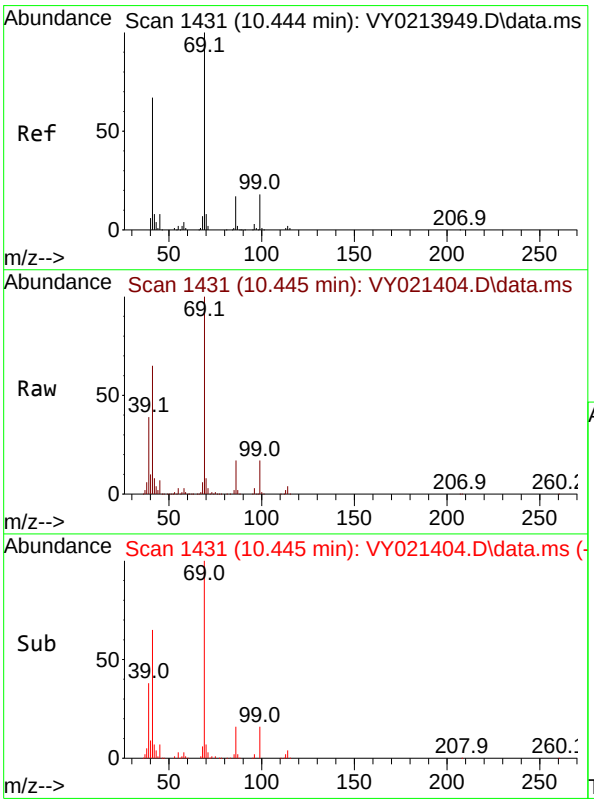
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.0	105.0
85	58.1	44.3	66.5
99	65.6	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

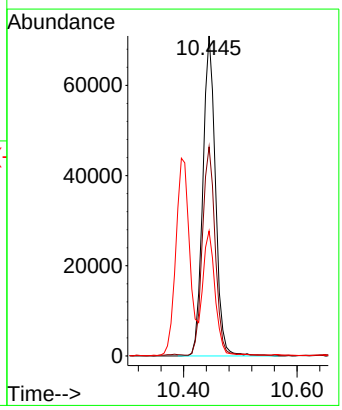
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

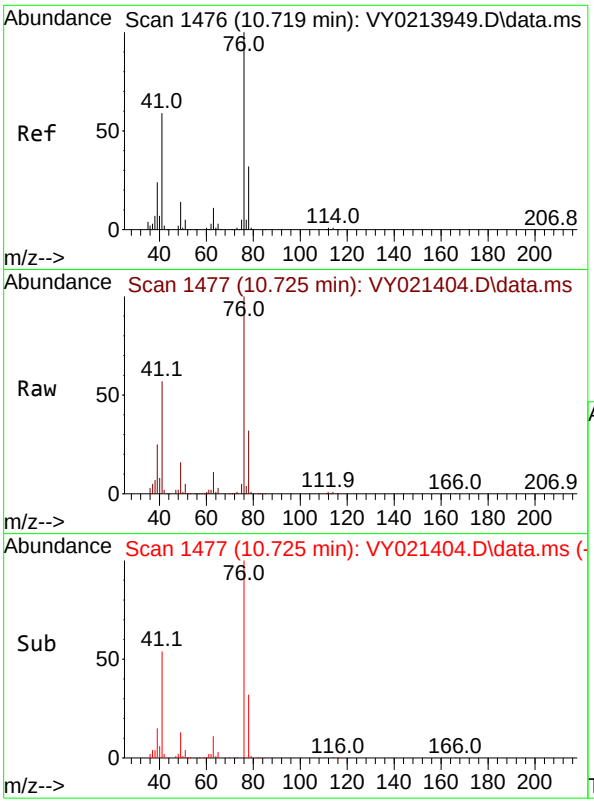


#56
Ethyl methacrylate
Concen: 46.305 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 69 Resp: 109629

Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.3	79.9
39	36.5	31.0	46.6





#57
1,3-Dichloropropane
Concen: 46.108 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

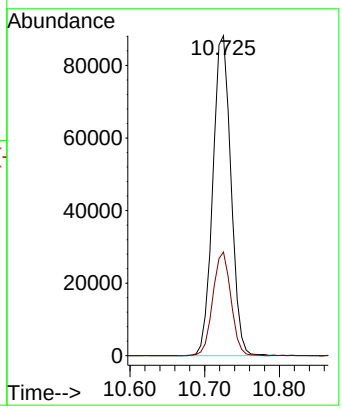
Tgt Ion: 76 Resp: 14834

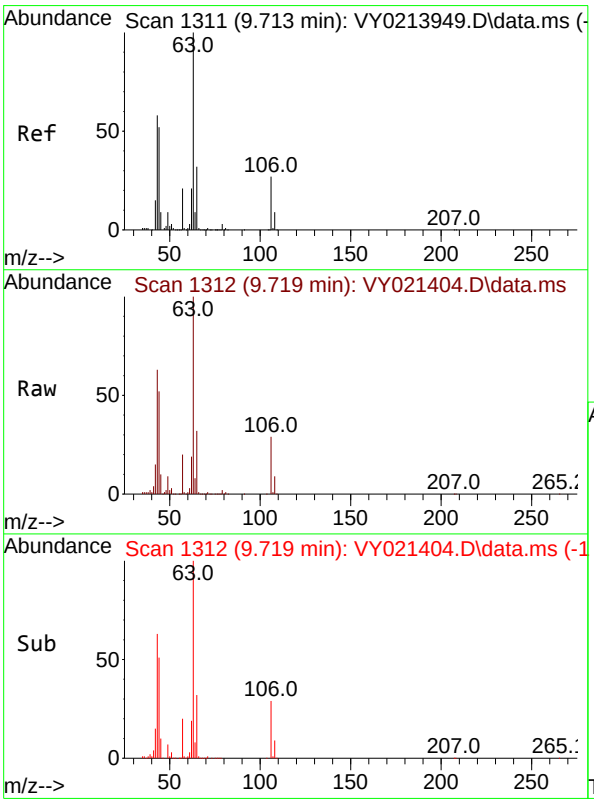
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

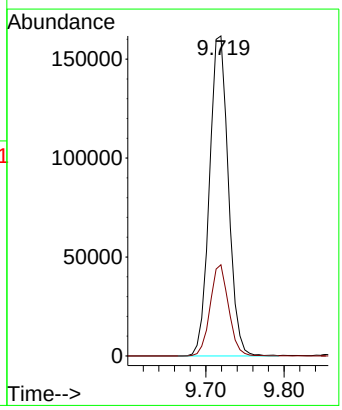


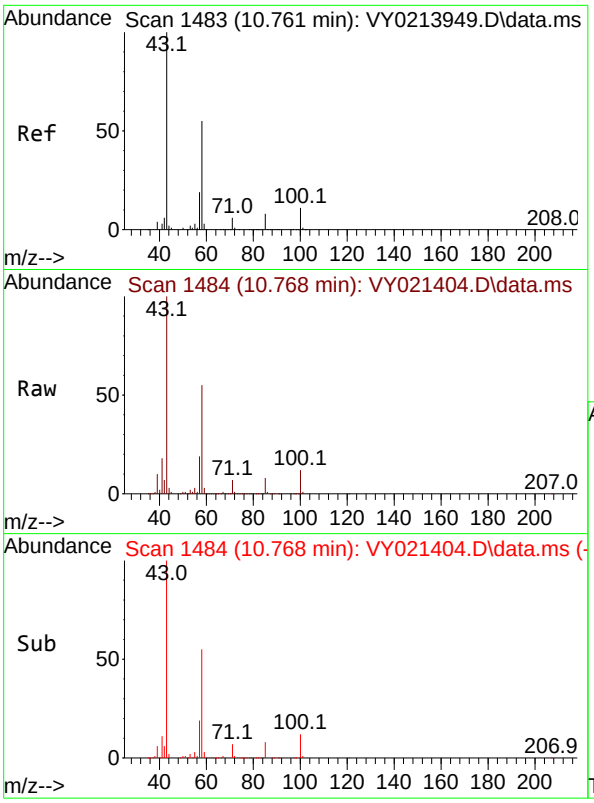


#58
2-Chloroethyl Vinyl ether
Concen: 247.869 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 63 Resp: 270898

Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.1	33.1





#59
2-Hexanone
Concen: 224.350 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

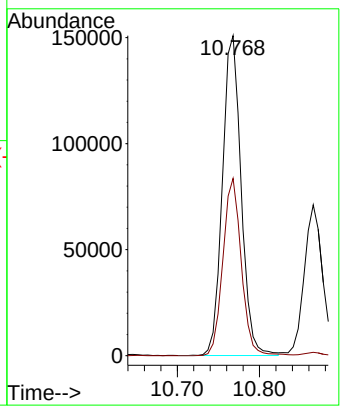
Tgt Ion: 43 Resp: 23891

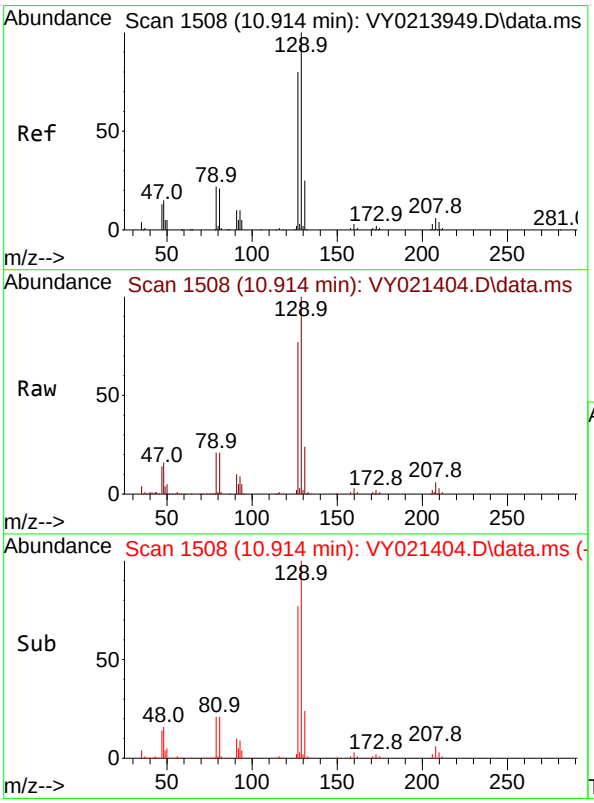
Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

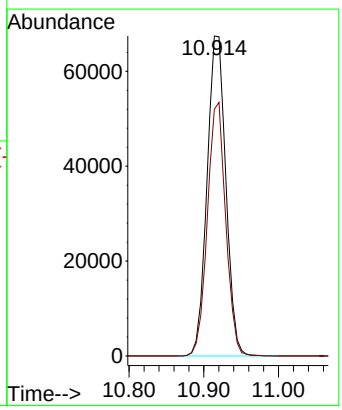


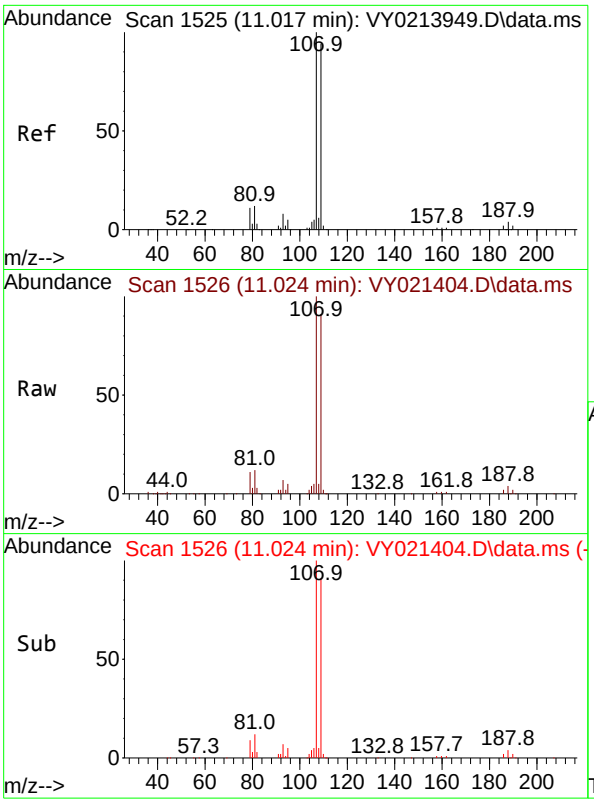


#60
Dibromochloromethane
Concen: 46.278 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:129 Resp: 117776

Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.1	117.3





#61
1,2-Dibromoethane
Concen: 45.932 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

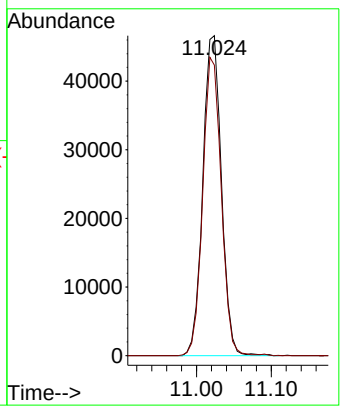
Tgt Ion:107 Resp: 8047

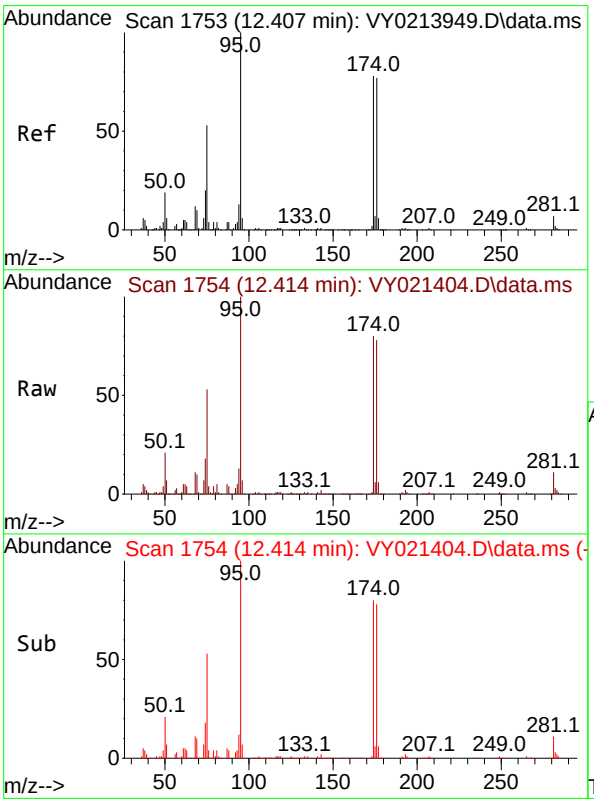
Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

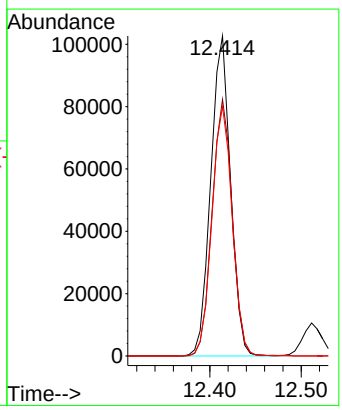


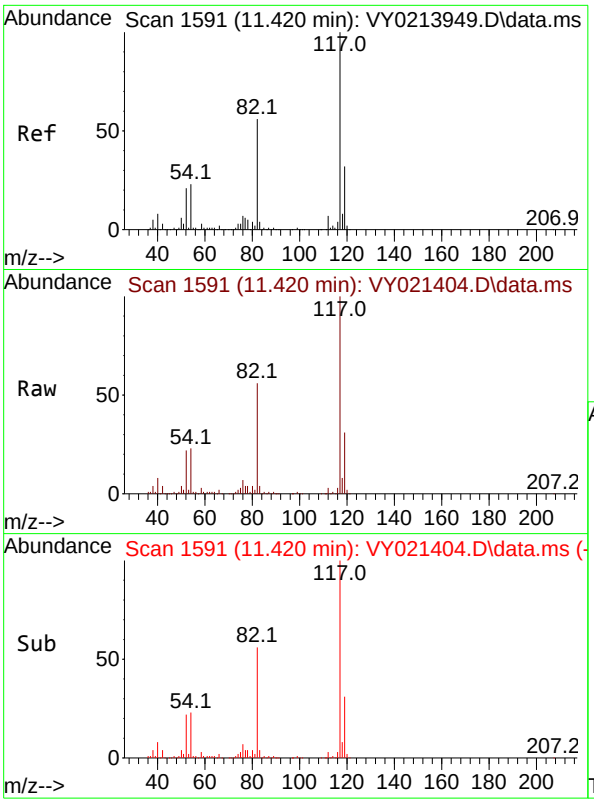


#62
4-Bromofluorobenzene
Concen: 51.560 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 95 Resp: 154333

Ion	Ratio	Lower	Upper
95	100		
174	81.9	0.0	165.0
176	80.0	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

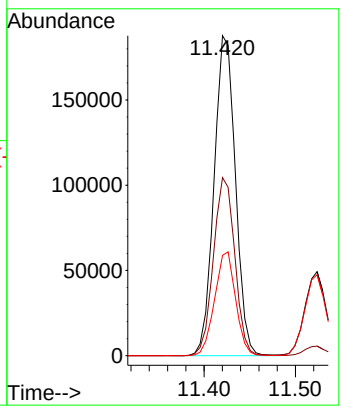
Tgt Ion:117 Resp: 30494

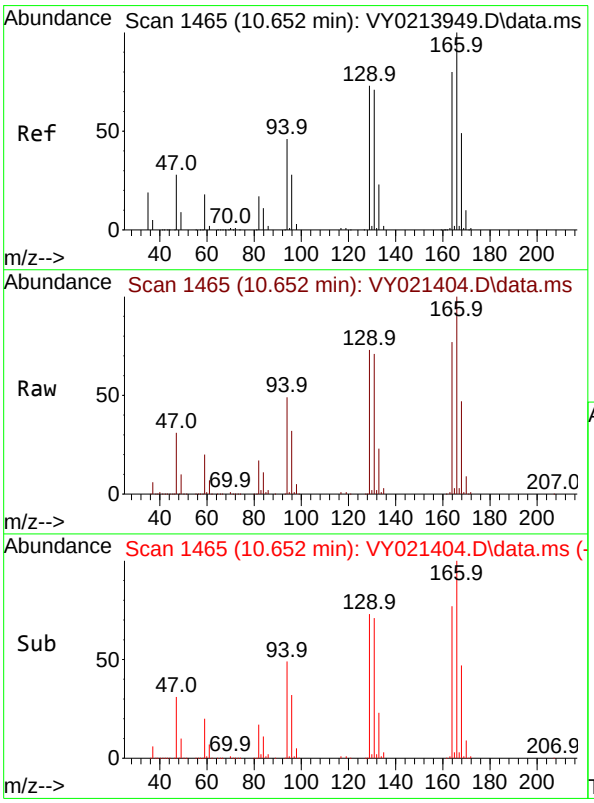
Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	67.0
119	31.3	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

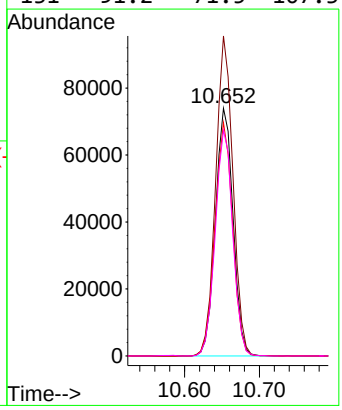


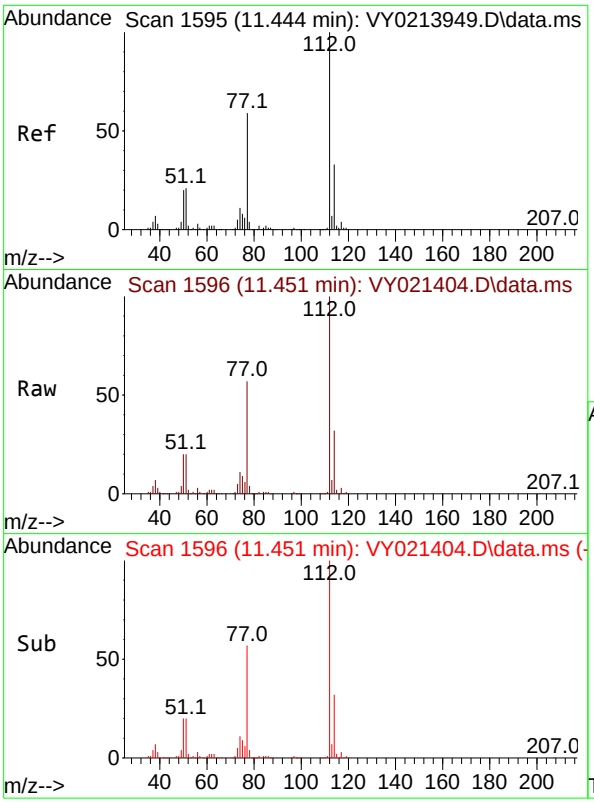


#64
Tetrachloroethene
Concen: 49.207 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:164 Resp: 122018

Ion	Ratio	Lower	Upper
164	100		
166	129.2	100.4	150.6
129	94.2	73.8	110.8
131	91.2	71.5	107.3





#65
Chlorobenzene
Concen: 48.611 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

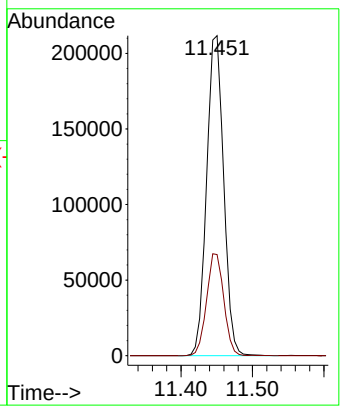
Tgt Ion:112 Resp: 35005

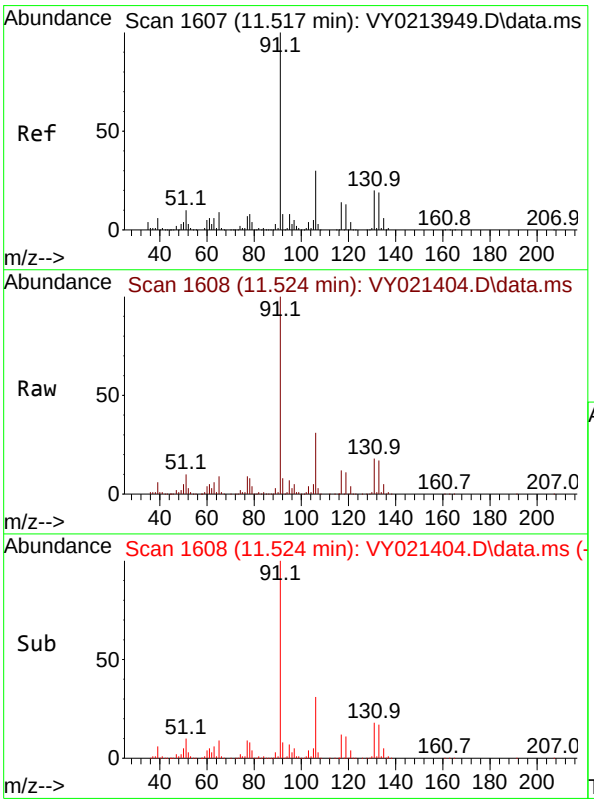
Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

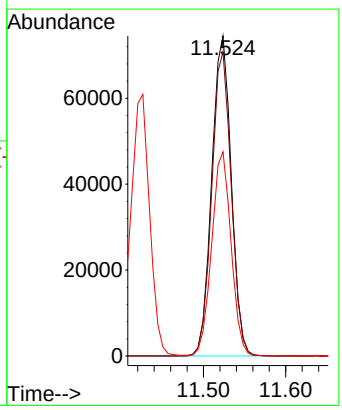


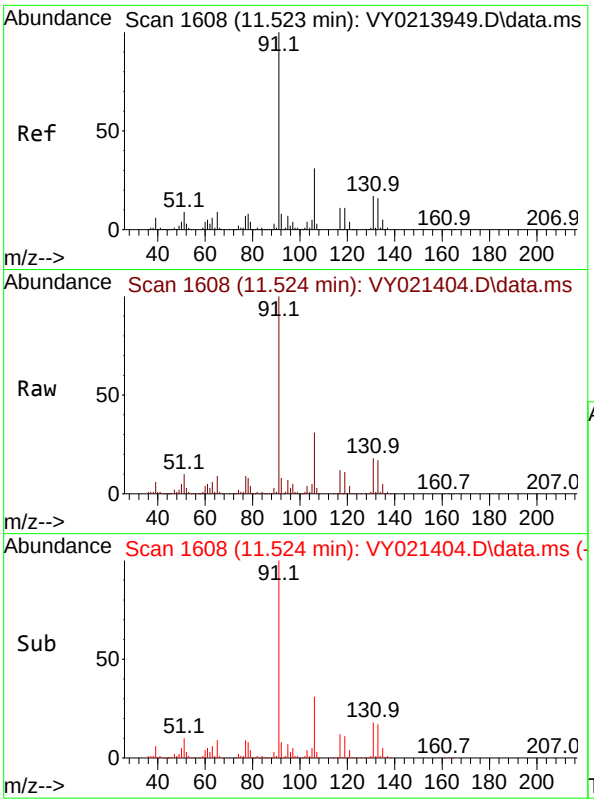


#66
1,1,1,2-Tetrachloroethane
Concen: 48.104 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:131 Resp: 122471

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.6	142.9
119	63.6	32.3	96.9





#67
Ethyl Benzene
Concen: 50.757 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

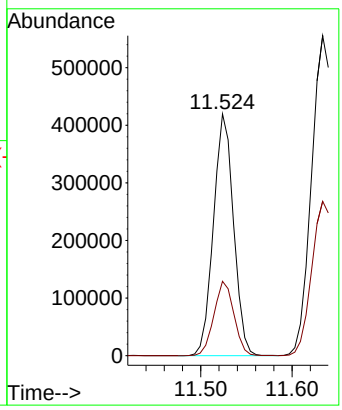
Tgt Ion: 91 Resp: 64153

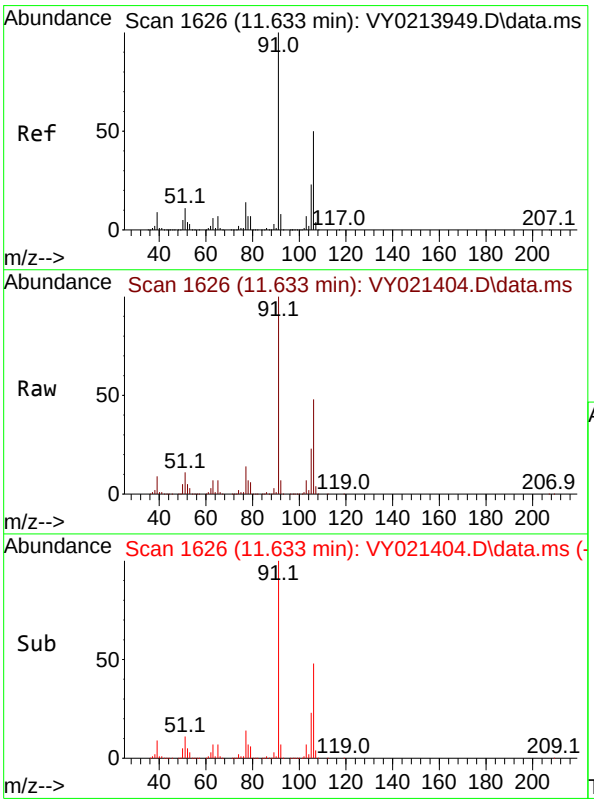
Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

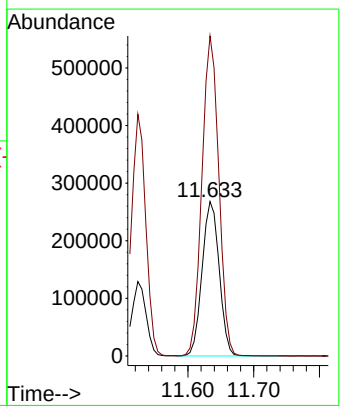


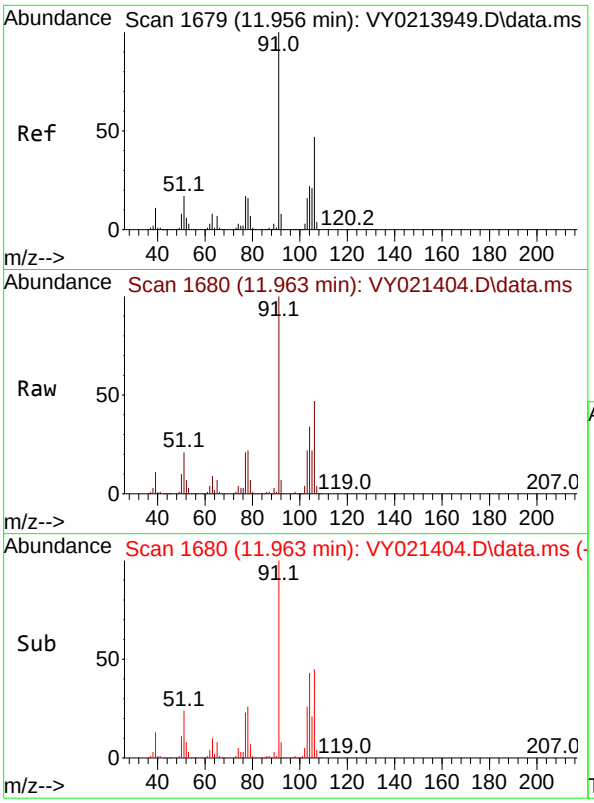


#68
m/p-Xylenes
Concen: 100.830 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:106 Resp: 483835

Ion	Ratio	Lower	Upper
106	100		
91	204.9	161.7	242.5





#69
o-Xylene
Concen: 51.096 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

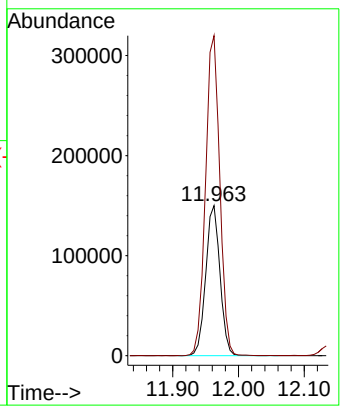
Tgt Ion:106 Resp: 22597

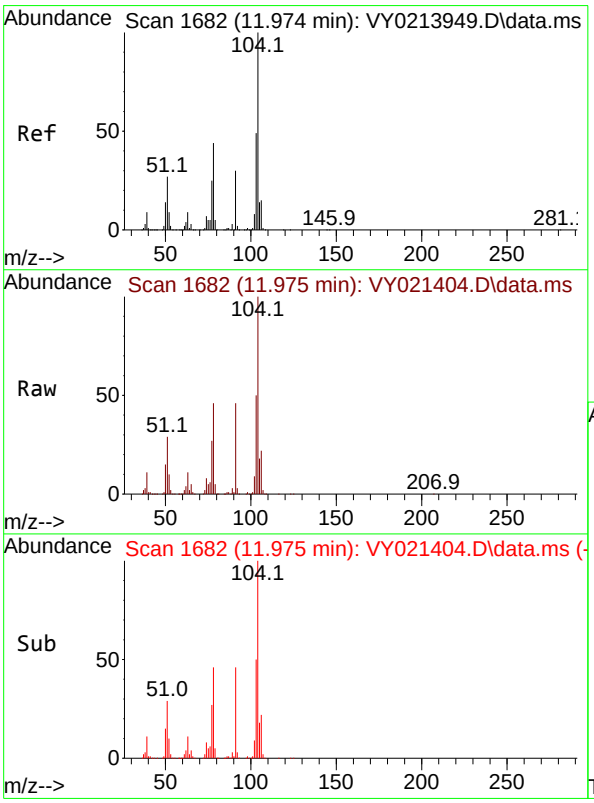
Ion	Ratio	Lower	Upper
106	100		
91	213.6	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

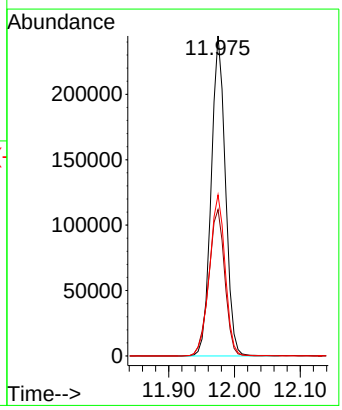


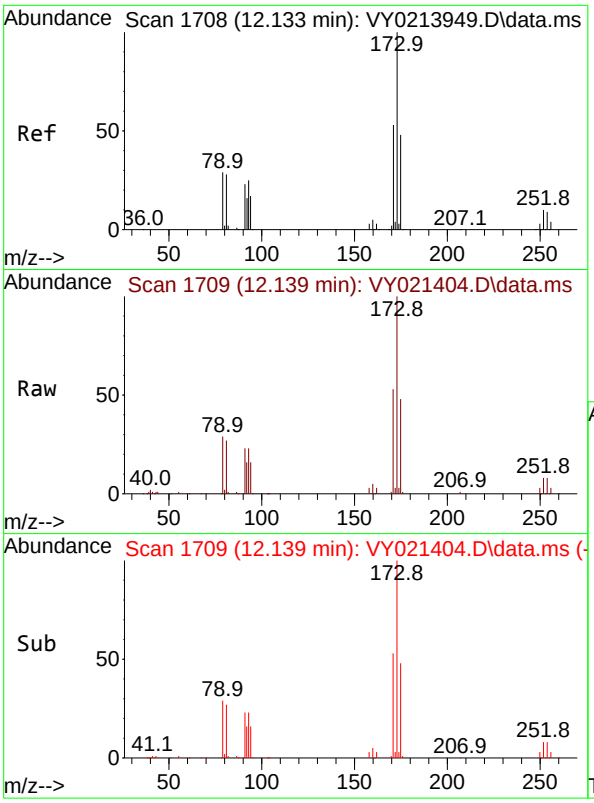


#70
Styrene
Concen: 50.400 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:104 Resp: 369770

Ion	Ratio	Lower	Upper
104	100		
78	51.2	40.7	61.1
103	55.3	44.1	66.1

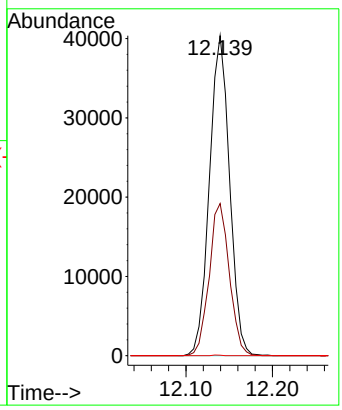




#71
Bromoform
Concen: 45.886 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:173 Resp: 6530

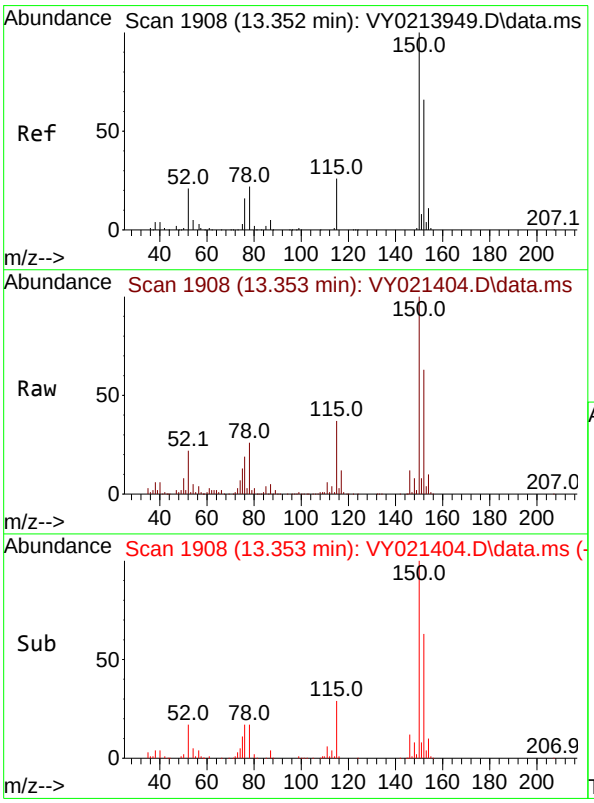
Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.9	71.7
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

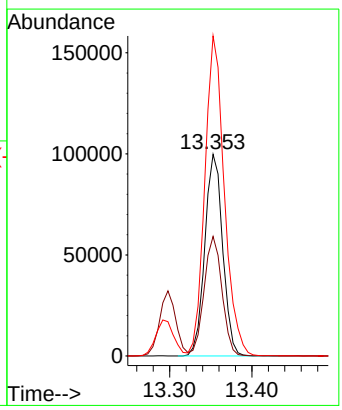
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

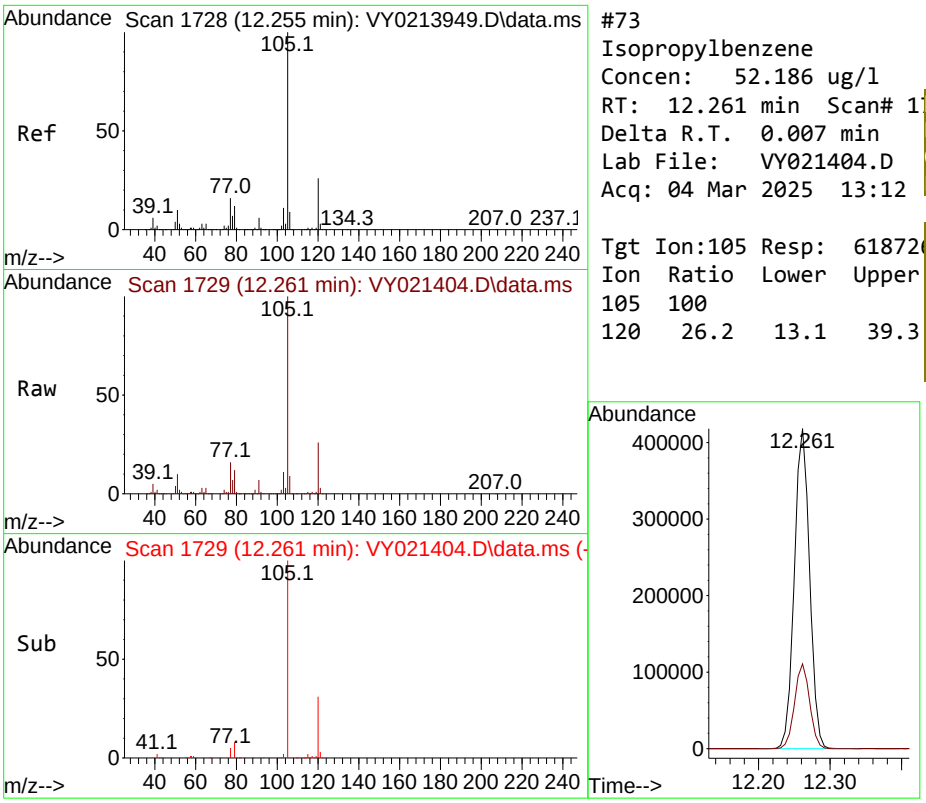


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:152 Resp: 150512

Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.0	87.0
150	172.8	0.0	347.2





#73
Isopropylbenzene
Concen: 52.186 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

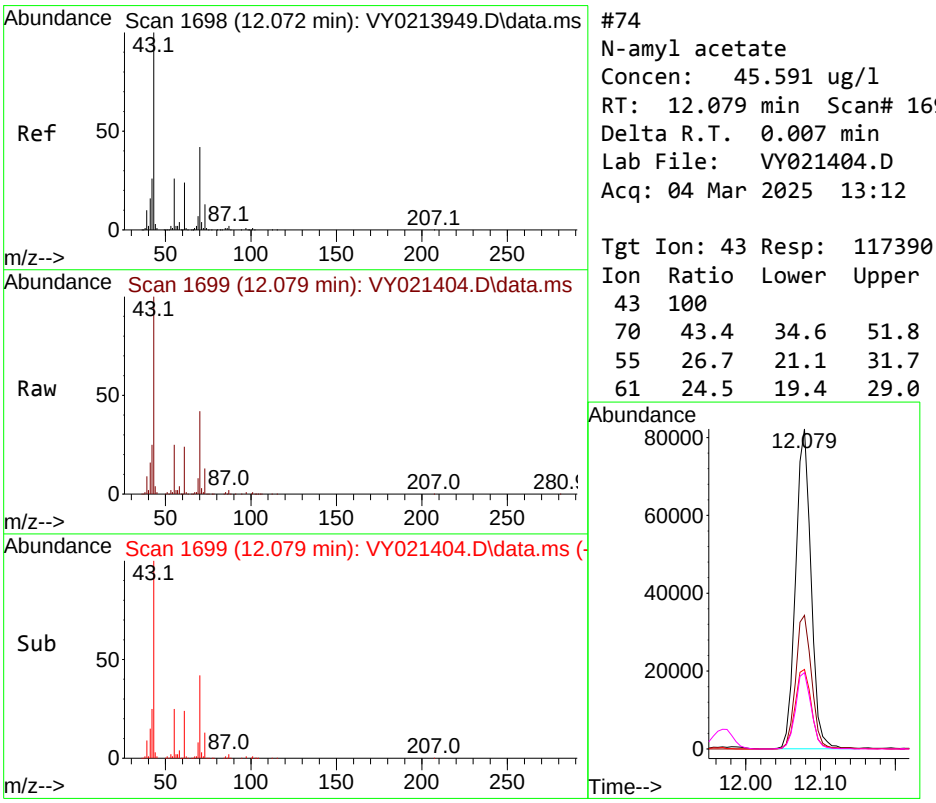
Tgt Ion:105 Resp: 61872

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

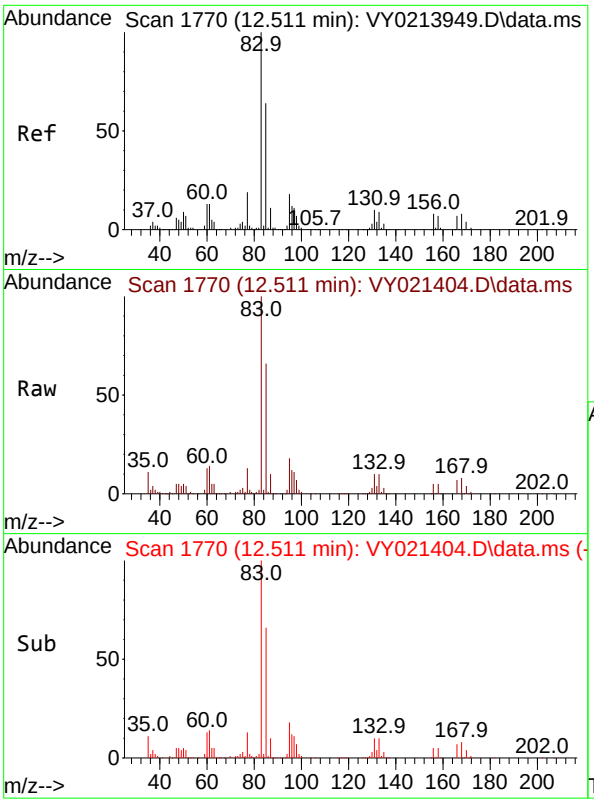
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#74
N-amyl acetate
Concen: 45.591 ug/l
RT: 12.079 min Scan# 1699
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 117390

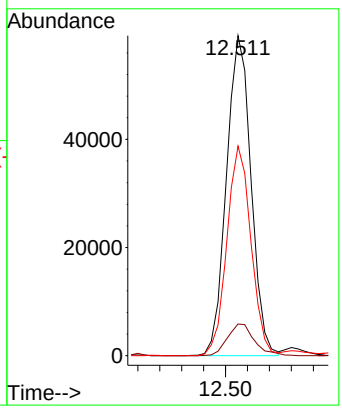
Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.6	51.8
55	26.7	21.1	31.7
61	24.5	19.4	29.0



#75
1,1,2,2-Tetrachloroethane
Concen: 44.086 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 83 Resp: 9223

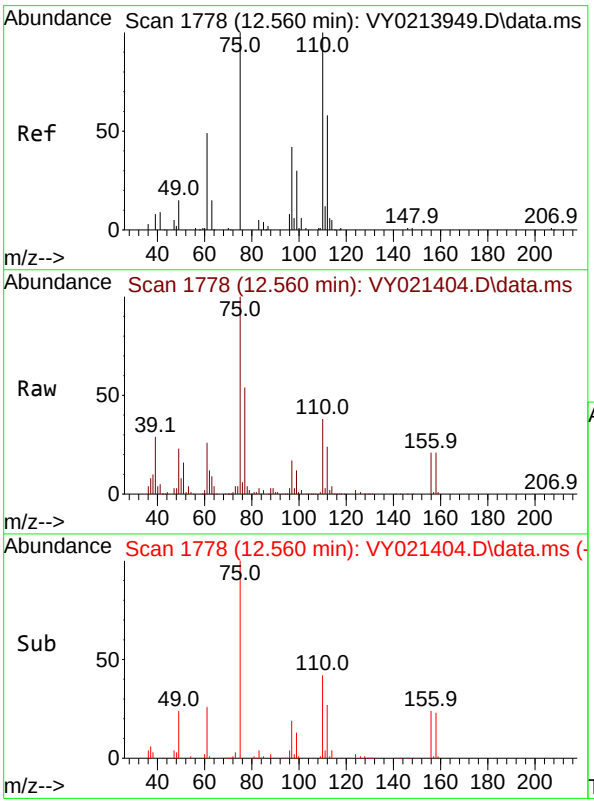
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.3	16.1
85	64.3	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

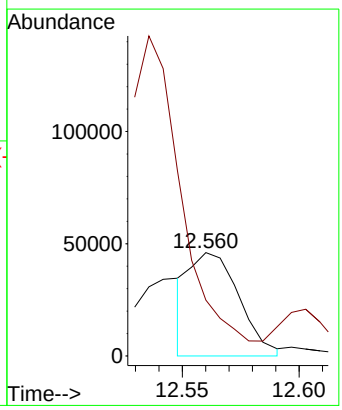
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

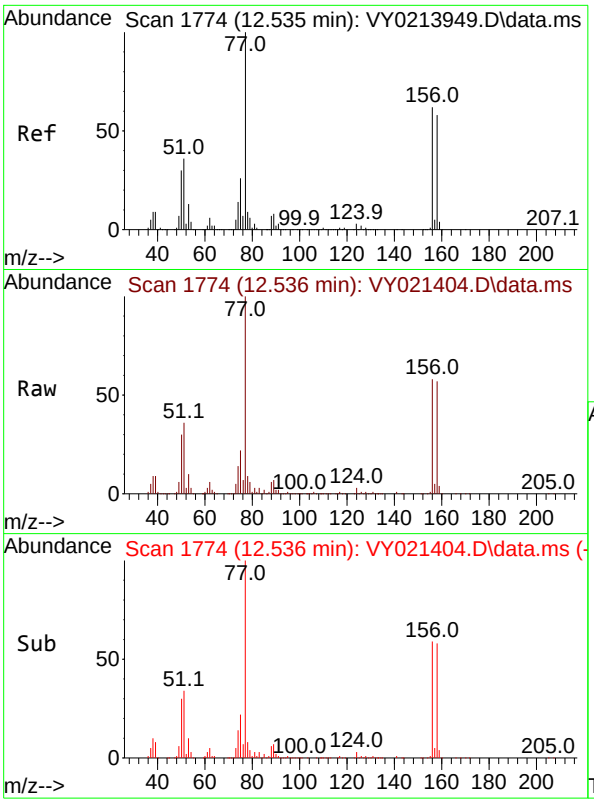


#76
1,2,3-Trichloropropane
Concen: 44.986 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 75 Resp: 68229

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 48.194 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

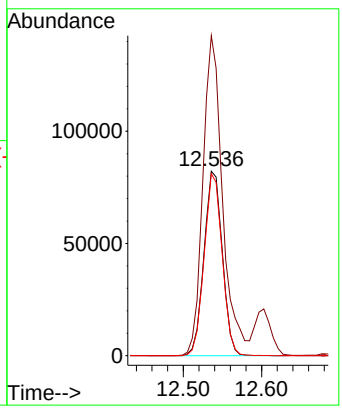
Tgt Ion:156 Resp: 13367

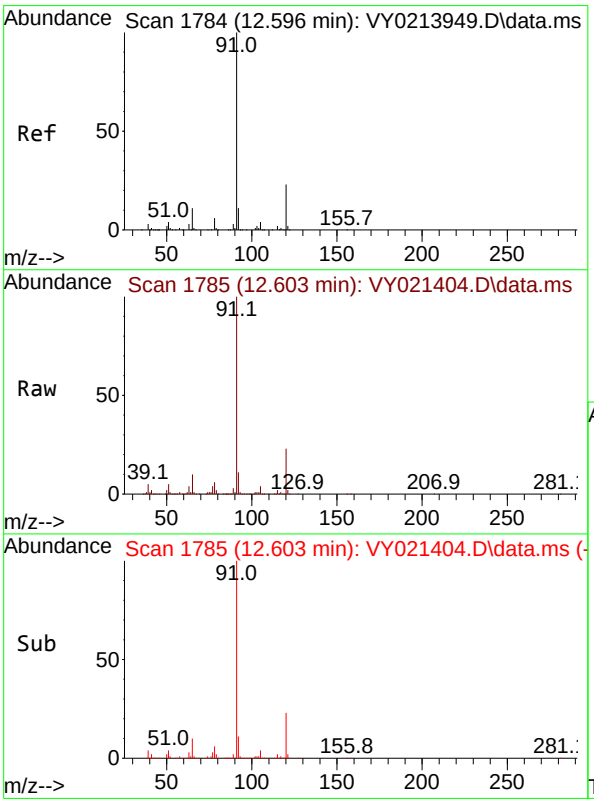
Ion	Ratio	Lower	Upper
156	100		
77	186.1	93.6	280.8
158	97.0	48.3	144.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

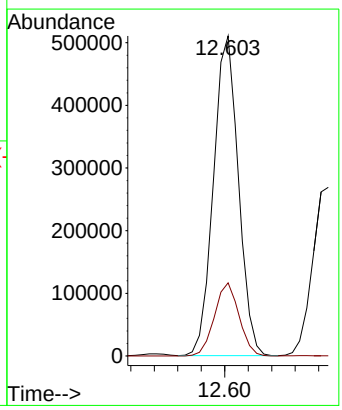


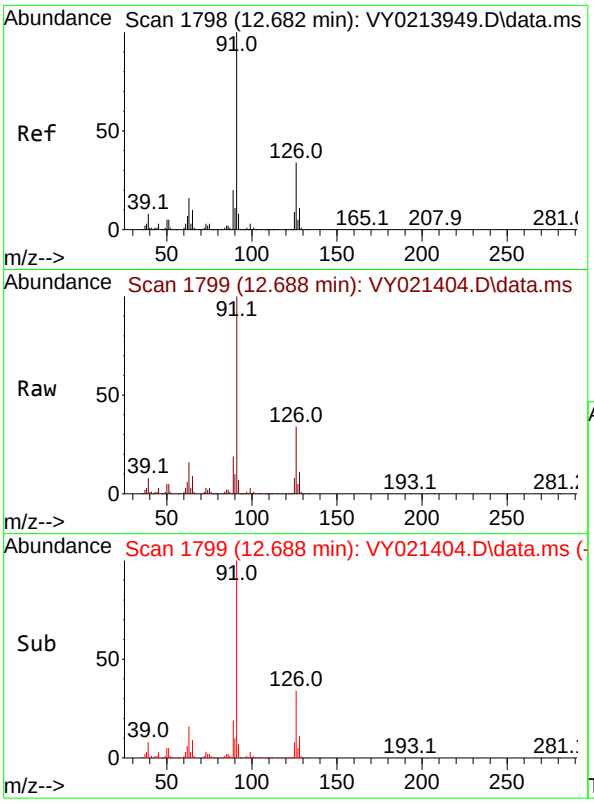


#78
n-propylbenzene
Concen: 52.233 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 91 Resp: 752110

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.8





#79
2-Chlorotoluene
Concen: 50.525 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

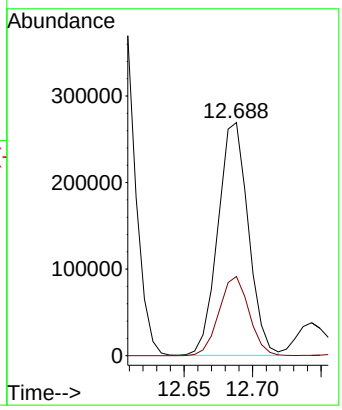
Tgt Ion: 91 Resp: 41598

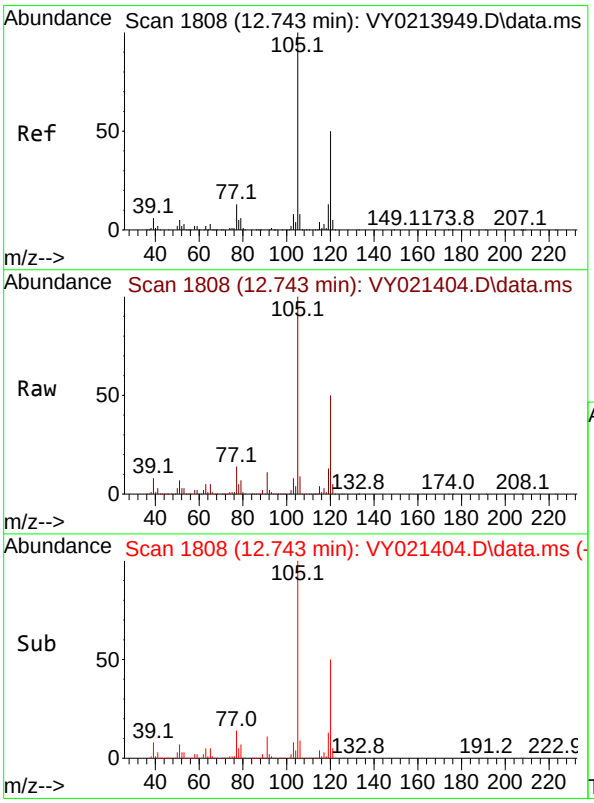
Ion	Ratio	Lower	Upper
91	100		
126	33.5	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

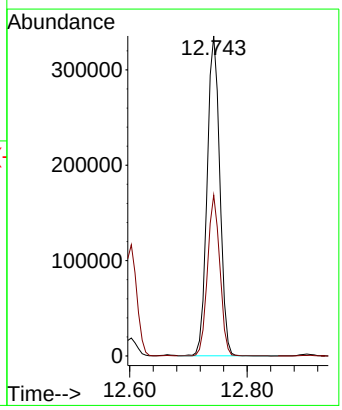


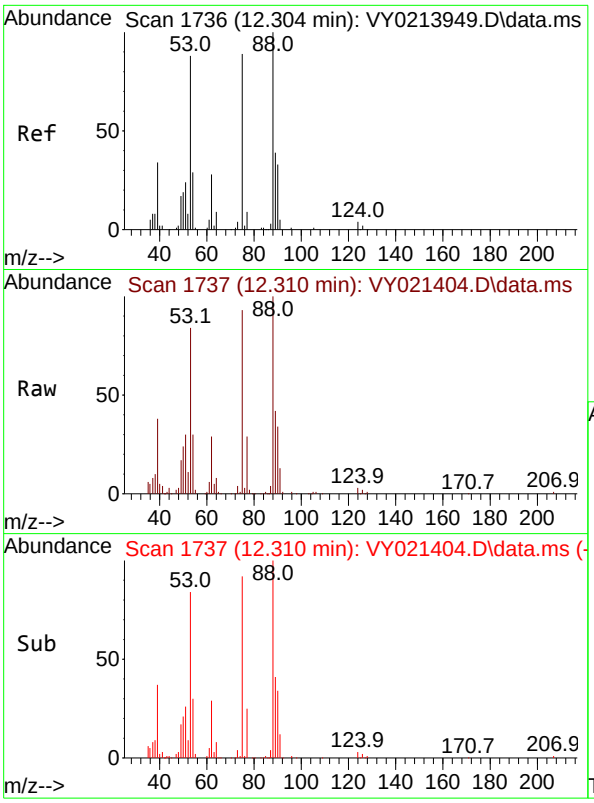


#80
1,3,5-Trimethylbenzene
Concen: 52.113 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:105 Resp: 502113

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 45.578 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

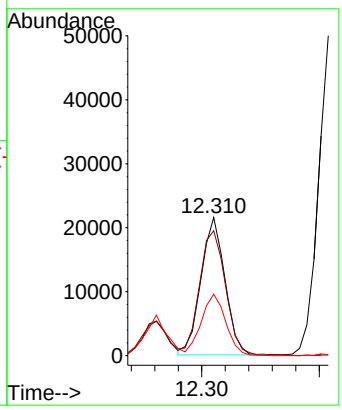
Tgt Ion: 75 Resp: 3040

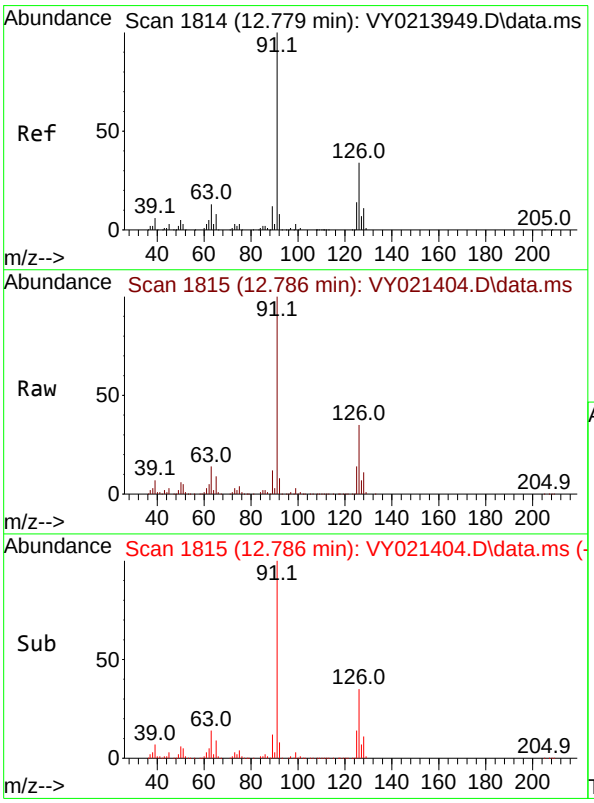
Ion	Ratio	Lower	Upper
75	100		
53	98.4	81.0	121.4
89	45.8	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

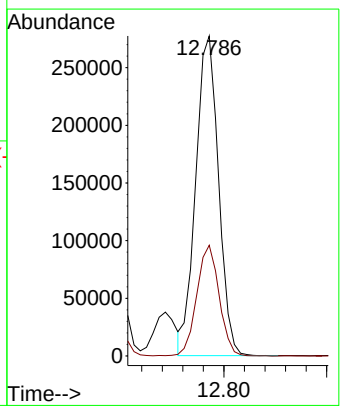


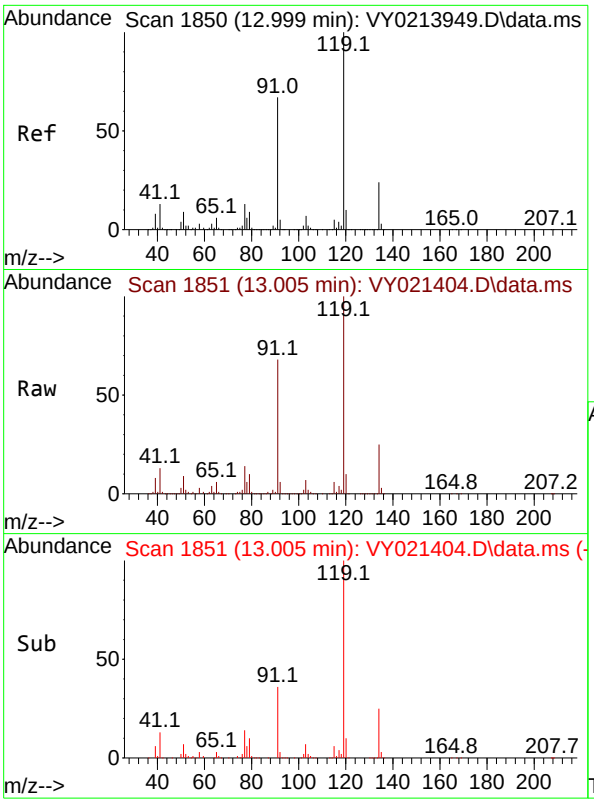


#82
4-Chlorotoluene
Concen: 50.122 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 91 Resp: 427326

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

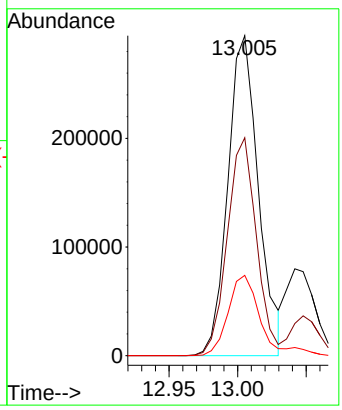




#83
tert-Butylbenzene
Concen: 53.088 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:119 Resp: 45631

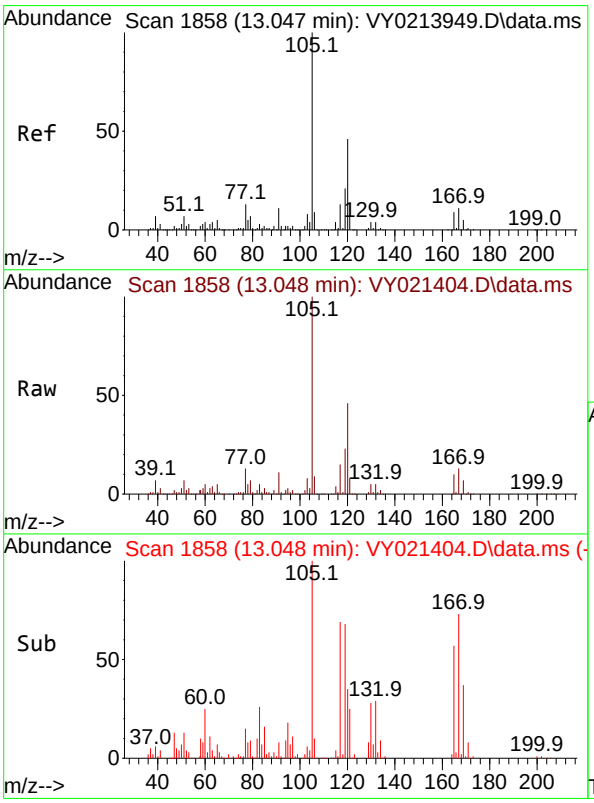
Ion	Ratio	Lower	Upper
119	100		
91	64.8	33.2	99.6
134	26.7	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

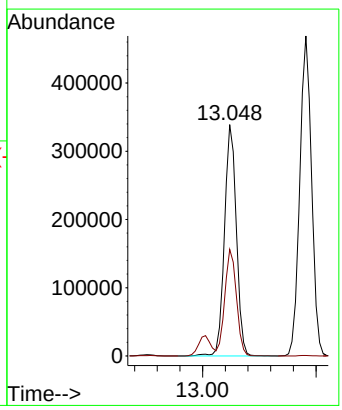
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

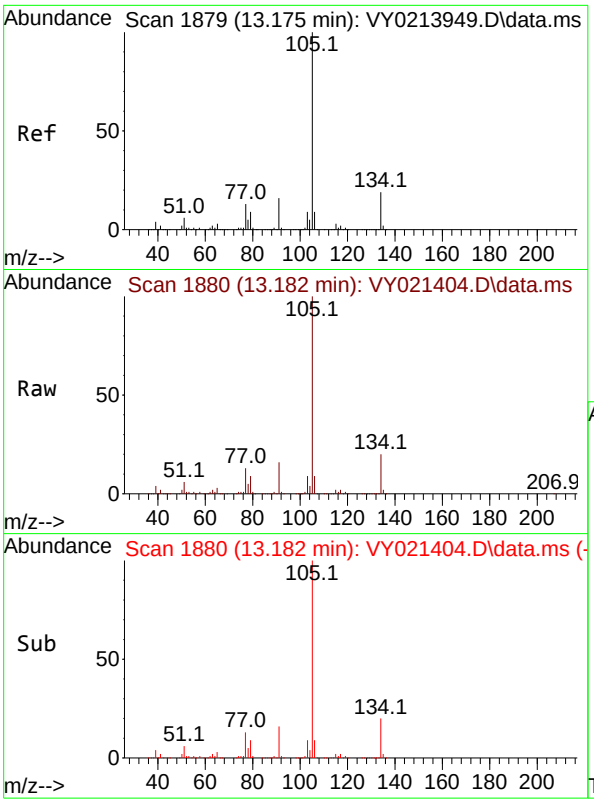


#84
1,2,4-Trimethylbenzene
Concen: 51.510 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:105 Resp: 492767

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1





#85
sec-Butylbenzene
Concen: 52.908 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

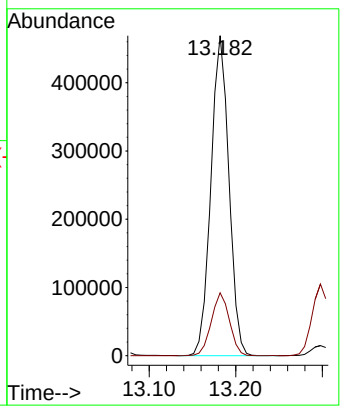
Tgt Ion:105 Resp: 67662

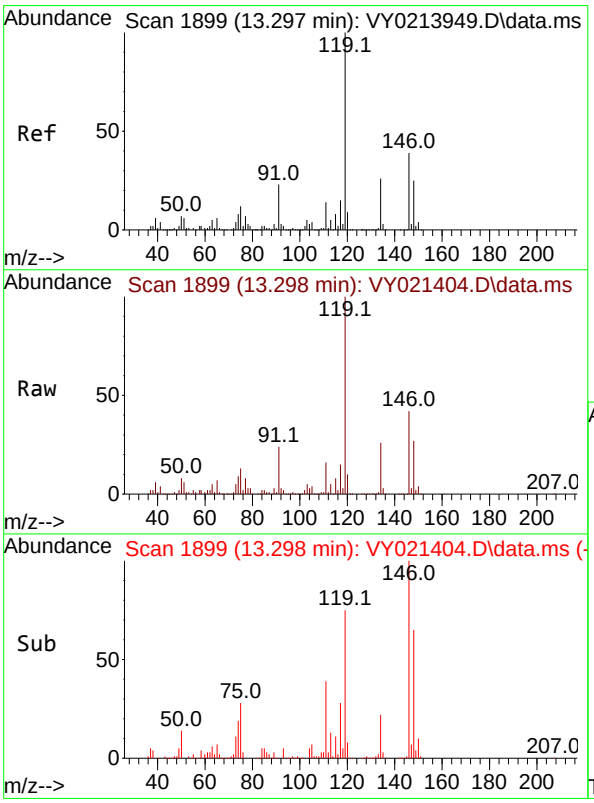
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

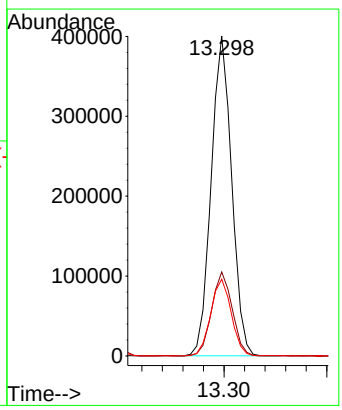


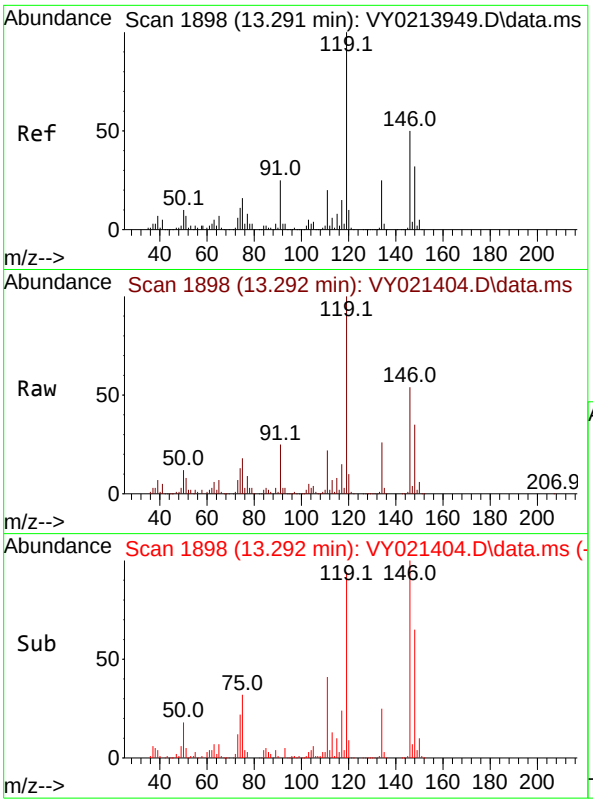


#86
p-Isopropyltoluene
Concen: 52.556 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:119 Resp: 553730

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.1	39.1
91	24.1	12.2	36.6

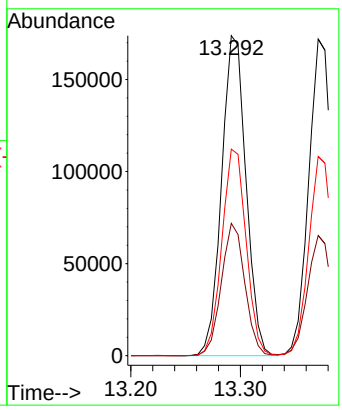




#87
1,3-Dichlorobenzene
Concen: 48.728 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:146 Resp: 26904

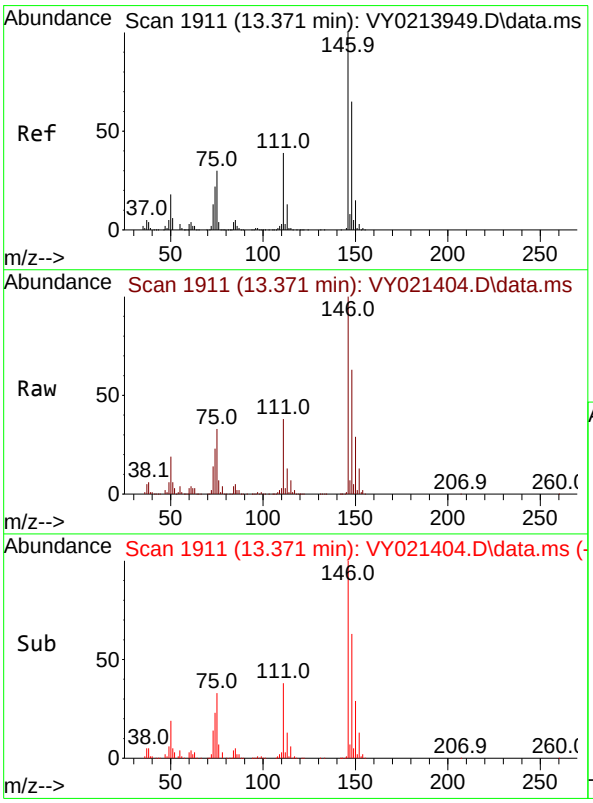
Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.1	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

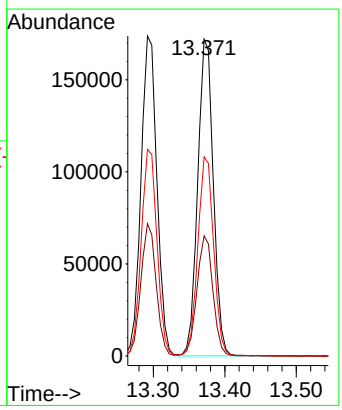
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

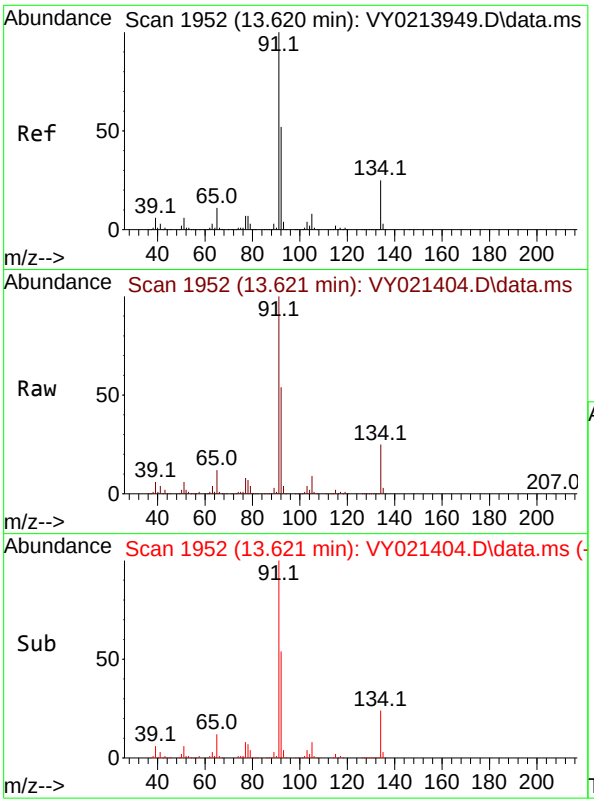


#88
1,4-Dichlorobenzene
Concen: 48.331 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:146 Resp: 260977

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	63.9	32.3	96.8





#89
n-Butylbenzene
Concen: 53.606 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

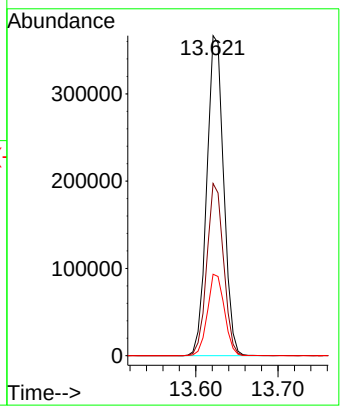
Tgt Ion: 91 Resp: 52153

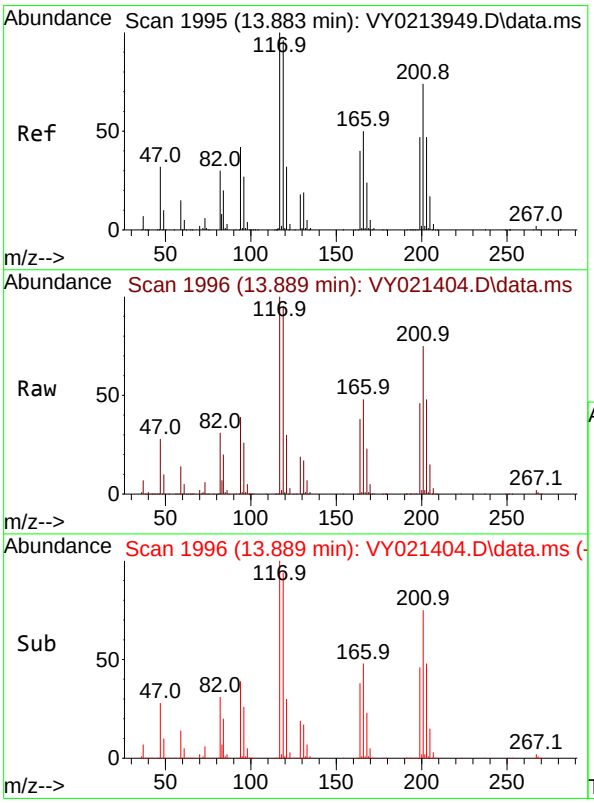
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.1	78.3
134	25.6	12.6	37.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

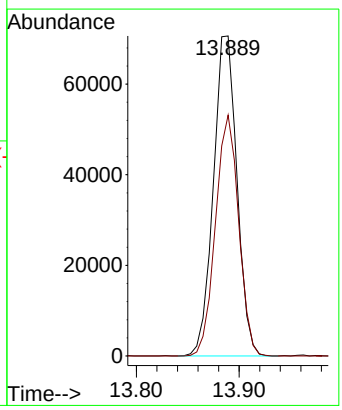


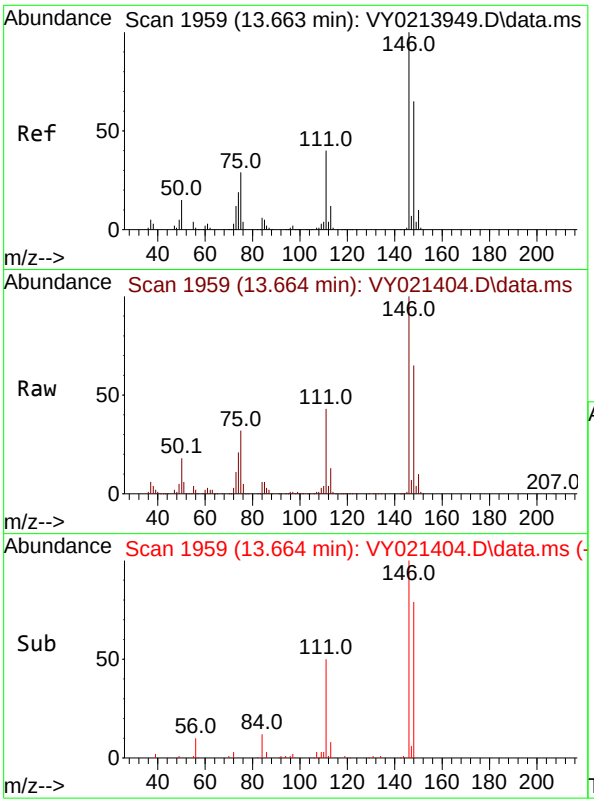


#90
Hexachloroethane
Concen: 50.084 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:117 Resp: 112571

Ion	Ratio	Lower	Upper
117	100		
201	73.7	37.4	112.2





#91
1,2-Dichlorobenzene
Concen: 47.985 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

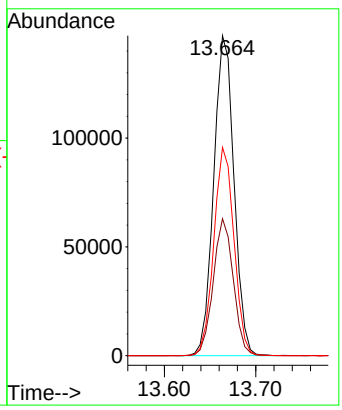
Tgt Ion:146 Resp: 22707

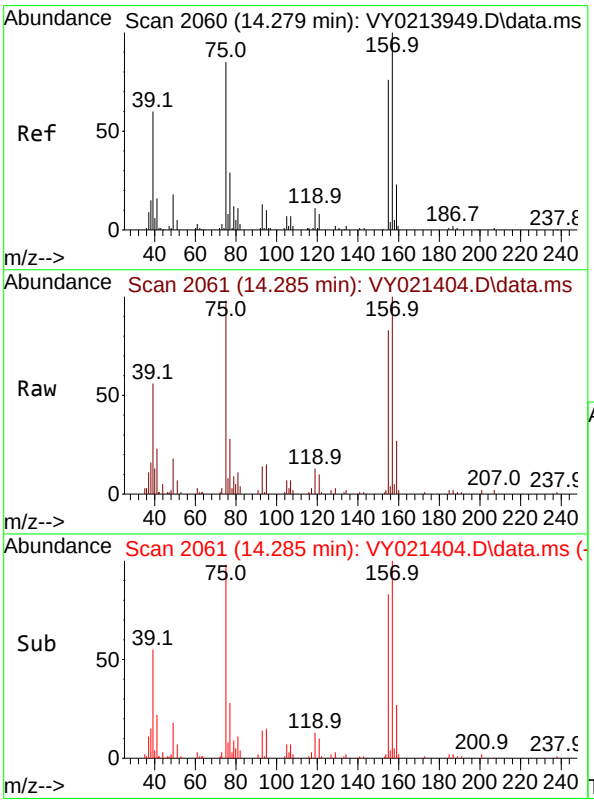
Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.7	62.1
148	64.7	32.1	96.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

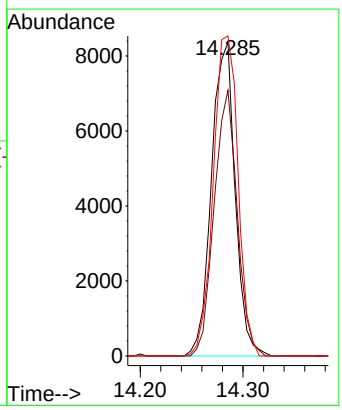


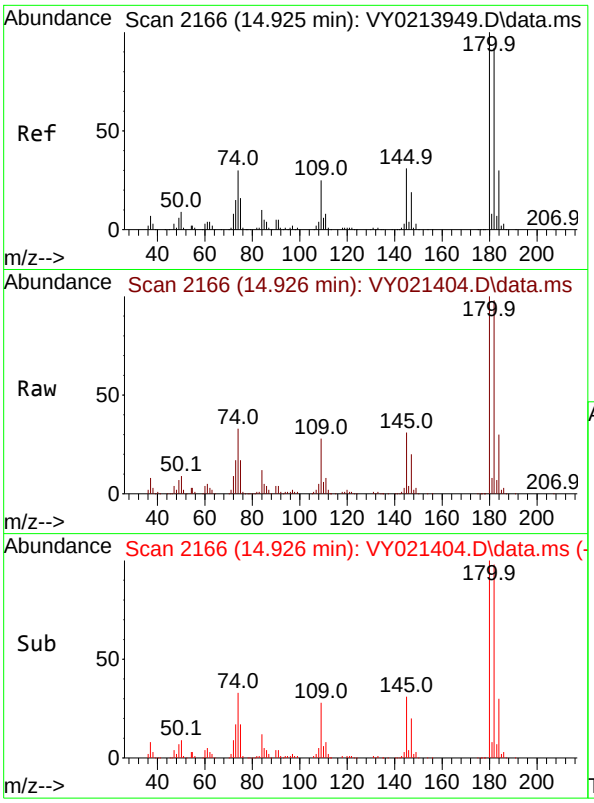


#92
1,2-Dibromo-3-Chloropropane
Concen: 42.654 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 75 Resp: 13368

Ion	Ratio	Lower	Upper
75	100		
155	82.4	43.5	130.5
157	106.4	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 49.388 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

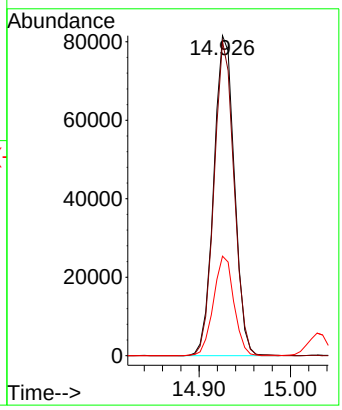
Tgt Ion:180 Resp: 12765

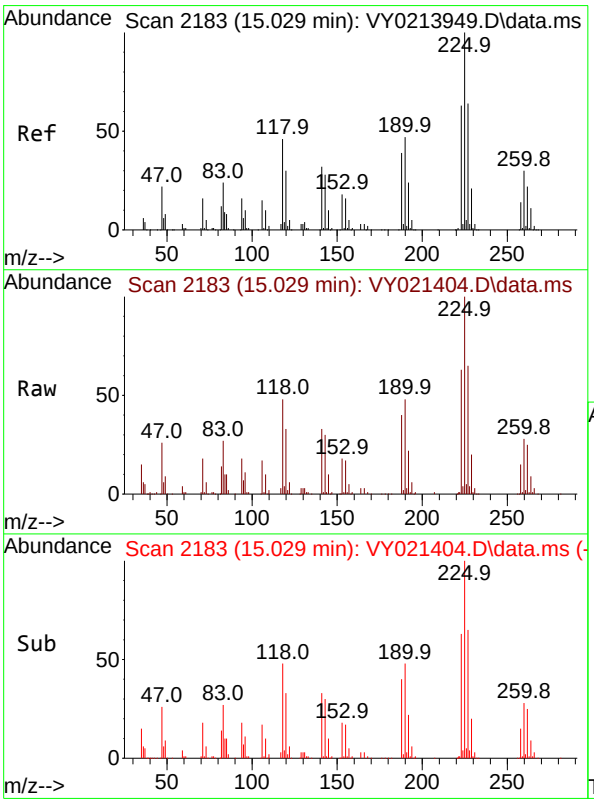
Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.7	140.0
145	30.9	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

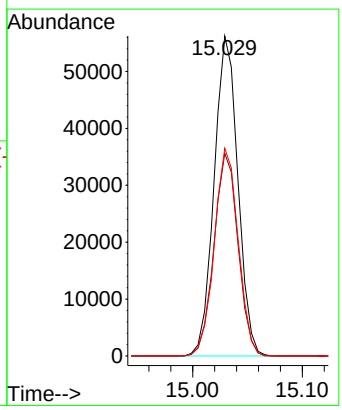


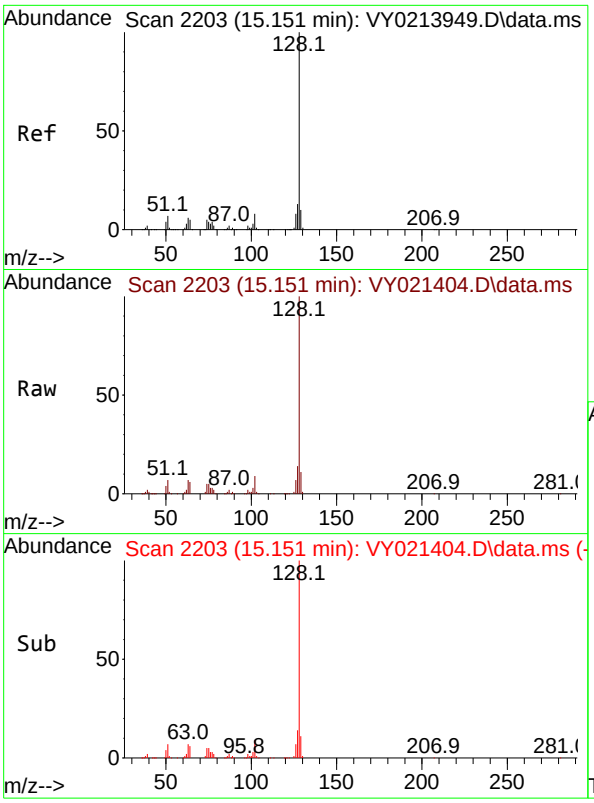


#94
Hexachlorobutadiene
Concen: 52.186 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:225 Resp: 84554

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.4	94.2
227	65.2	31.8	95.4

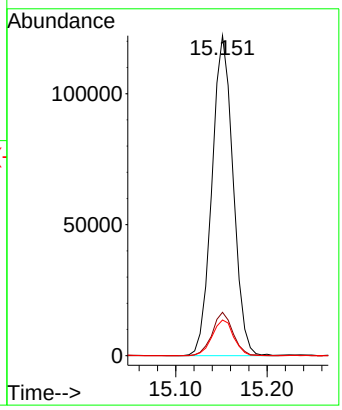




#95
Naphthalene
Concen: 45.480 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:128 Resp: 19634

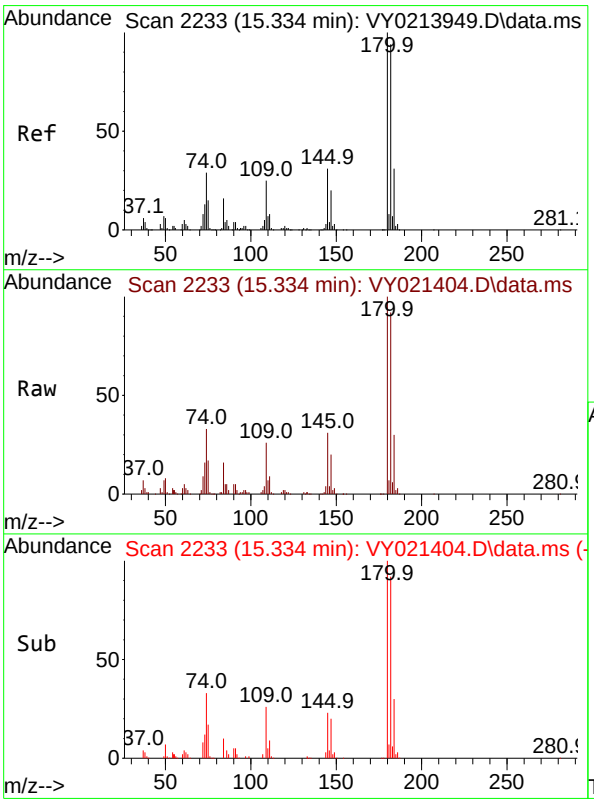
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.3	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

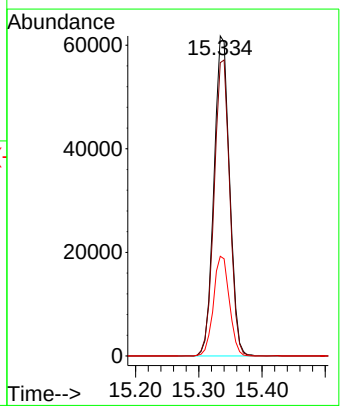
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.639 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:180 Resp: 105737

Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.2	141.6
145	31.8	16.4	49.1



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 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	97	0.00
2	T	Dichlorodifluoromethane	0.459	0.432	5.9	93	0.00
3	P	Chloromethane	0.647	0.635	1.9	99	0.00
4	C	Vinyl Chloride	0.707	0.710	-0.4#	99	0.00
5	T	Bromomethane	0.511	0.473	7.4	98	0.00
6	T	Chloroethane	0.467	0.457	2.1	96	0.00
7	T	Trichlorofluoromethane	0.987	0.967	2.0	97	0.00
8	T	Diethyl Ether	0.273	0.250	8.4	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.563	0.542	3.7	97	0.00
10	T	Methyl Iodide	0.573	0.554	3.3	85	0.00
11	T	Tert butyl alcohol	0.041	0.030	26.8#	75	0.00
12	CM	1,1-Dichloroethene	0.514	0.508	1.2#	97	0.00
13	T	Acrolein	0.027	0.005	81.5#	103	0.00
14	T	Allyl chloride	0.830	0.838	-1.0	96	0.00
15	T	Acrylonitrile	0.116	0.102	12.1	79	0.00
16	T	Acetone	0.115	0.111	3.5	80	0.00
17	T	Carbon Disulfide	1.610	1.625	-0.9	96	0.00
18	T	Methyl Acetate	0.256	0.228	10.9	77	0.00
19	T	Methyl tert-butyl Ether	1.302	1.178	9.5	83	0.00
20	T	Methylene Chloride	0.605	0.531	12.2	93	0.00
21	T	trans-1,2-Dichloroethene	0.575	0.553	3.8	95	0.00
22	T	Diisopropyl ether	1.789	1.729	3.4	90	0.00
23	T	Vinyl Acetate	1.021	0.955	6.5	83	0.00
24	P	1,1-Dichloroethane	1.056	1.019	3.5	94	0.00
25	T	2-Butanone	0.159	0.142	10.7	76	0.00
26	T	2,2-Dichloropropane	0.971	0.944	2.8	97	0.00
27	T	cis-1,2-Dichloroethene	0.653	0.634	2.9	94	0.00
28	T	Bromochloromethane	0.443	0.497	-12.2	103	0.00
29	T	Tetrahydrofuran	0.098	0.084	14.3	74	0.00
30	C	Chloroform	1.096	1.047	4.5#	93	0.00
31	T	Cyclohexane	0.990	0.945	4.5	97	0.00
32	T	1,1,1-Trichloroethane	1.004	0.978	2.6	97	0.00
33	S	1,2-Dichloroethane-d4	0.528	0.527	0.2	106	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.329	0.335	-1.8	111	0.00
36	T	1,1-Dichloropropene	0.514	0.503	2.1	95	0.00
37	T	Ethyl Acetate	0.227	0.196	13.7	78	0.00
38	T	Carbon Tetrachloride	0.592	0.577	2.5	97	0.00
39	T	Methylcyclohexane	0.631	0.653	-3.5	98	0.00
40	TM	Benzene	1.515	1.471	2.9	94	0.00
41	T	Methacrylonitrile	0.124	0.129	-4.0	96	0.03
42	TM	1,2-Dichloroethane	0.424	0.385	9.2	87	0.00
43	T	Isopropyl Acetate	0.441	0.380	13.8	77	0.00
44	TM	Trichloroethene	0.383	0.370	3.4	95	0.00
45	C	1,2-Dichloropropane	0.361	0.341	5.5#	91	0.00
46	T	Dibromomethane	0.201	0.182	9.5	84	0.00
47	T	Bromodichloromethane	0.533	0.498	6.6	89	0.00
48	T	Methyl methacrylate	0.203	0.185	8.9	79	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 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	75	0.00
50	S	Toluene-d8	1.244	1.326	-6.6	115	0.00
51	T	4-Methyl-2-Pentanone	0.228	0.197	13.6	74	0.00
52	CM	Toluene	0.955	0.946	0.9#	94	0.00
53	T	t-1,3-Dichloropropene	0.470	0.444	5.5	87	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.538	3.4	90	0.00
55	T	1,1,2-Trichloroethane	0.263	0.235	10.6	82	0.00
56	T	Ethyl methacrylate	0.335	0.310	7.5	79	0.00
57	T	1,3-Dichloropropane	0.455	0.420	7.7	86	0.00
58	T	2-Chloroethyl Vinyl ether	0.155	0.153	1.3	86	0.00
59	T	2-Hexanone	0.151	0.135	10.6	73	0.00
60	T	Dibromochloromethane	0.360	0.333	7.5	87	0.00
61	T	1,2-Dibromoethane	0.248	0.228	8.1	85	0.00
62	S	4-Bromofluorobenzene	0.423	0.436	-3.1	111	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.407	0.400	1.7	94	0.00
65	PM	Chlorobenzene	1.181	1.148	2.8	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.417	0.402	3.6	91	0.00
67	C	Ethyl Benzene	2.072	2.104	-1.5#	94	0.00
68	T	m/p-Xylenes	0.787	0.793	-0.8	92	0.00
69	T	o-Xylene	0.725	0.741	-2.2	93	0.00
70	T	Styrene	1.203	1.213	-0.8	90	0.00
71	P	Bromoform	0.233	0.214	8.2	81	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.939	4.111	-4.4	94	0.00
74	T	N-amyl acetate	0.855	0.780	8.8	76	0.00
75	P	1,1,2,2-Tetrachloroethane	0.695	0.613	11.8	78	0.00
76	T	1,2,3-Trichloropropane	0.504	0.453	10.1	85	0.00
77	T	Bromobenzene	0.921	0.888	3.6	89	0.00
78	T	n-propylbenzene	4.783	4.997	-4.5	94	0.00
79	T	2-Chlorotoluene	2.735	2.764	-1.1	93	0.00
80	T	1,3,5-Trimethylbenzene	3.201	3.336	-4.2	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.222	0.202	9.0	79	0.00
82	T	4-Chlorotoluene	2.832	2.839	-0.2	92	0.00
83	T	tert-Butylbenzene	2.855	3.032	-6.2	96	0.00
84	T	1,2,4-Trimethylbenzene	3.178	3.274	-3.0	93	0.00
85	T	sec-Butylbenzene	4.248	4.495	-5.8	96	0.00
86	T	p-Isopropyltoluene	3.500	3.679	-5.1	95	0.00
87	T	1,3-Dichlorobenzene	1.834	1.788	2.5	91	0.00
88	T	1,4-Dichlorobenzene	1.794	1.734	3.3	90	0.00
89	T	n-Butylbenzene	3.232	3.465	-7.2	95	0.00
90	T	Hexachloroethane	0.747	0.748	-0.1	95	0.00
91	T	1,2-Dichlorobenzene	1.572	1.509	4.0	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.104	0.089	14.4	76	0.00
93	T	1,2,4-Trichlorobenzene	0.859	0.848	1.3	86	0.00
94	T	Hexachlorobutadiene	0.538	0.562	-4.5	94	0.00
95	T	Naphthalene	1.390	1.305	6.1	77	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 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	0.722	0.703	2.6	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 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	97	0.00
2	T	Dichlorodifluoromethane	50.000	47.113	5.8	93	0.00
3	P	Chloromethane	50.000	49.075	1.8	99	0.00
4	C	Vinyl Chloride	50.000	50.231	-0.5#	99	0.00
5	T	Bromomethane	50.000	46.283	7.4	98	0.00
6	T	Chloroethane	50.000	48.912	2.2	96	0.00
7	T	Trichlorofluoromethane	50.000	49.011	2.0	97	0.00
8	T	Diethyl Ether	50.000	45.628	8.7	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.142	3.7	97	0.00
10	T	Methyl Iodide	50.000	48.336	3.3	85	0.00
11	T	Tert butyl alcohol	250.000	211.206	15.5	75	0.00
12	CM	1,1-Dichloroethene	50.000	49.424	1.2#	97	0.00
13	T	Acrolein	250.000	45.035	82.0#	103	0.00
14	T	Allyl chloride	50.000	50.500	-1.0	96	0.00
15	T	Acrylonitrile	250.000	218.213	12.7	79	0.00
16	T	Acetone	250.000	241.068	3.6	80	0.00
17	T	Carbon Disulfide	50.000	50.464	-0.9	96	0.00
18	T	Methyl Acetate	50.000	44.501	11.0	77	0.00
19	T	Methyl tert-butyl Ether	50.000	45.249	9.5	83	0.00
20	T	Methylene Chloride	50.000	43.913	12.2	93	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.065	3.9	95	0.00
22	T	Diisopropyl ether	50.000	48.325	3.3	90	0.00
23	T	Vinyl Acetate	250.000	233.756	6.5	83	0.00
24	P	1,1-Dichloroethane	50.000	48.243	3.5	94	0.00
25	T	2-Butanone	250.000	222.145	11.1	76	0.00
26	T	2,2-Dichloropropane	50.000	48.615	2.8	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.506	3.0	94	0.00
28	T	Bromochloromethane	50.000	56.200	-12.4	103	0.00
29	T	Tetrahydrofuran	250.000	214.177	14.3	74	0.00
30	C	Chloroform	50.000	47.758	4.5#	93	0.00
31	T	Cyclohexane	50.000	47.720	4.6	97	0.00
32	T	1,1,1-Trichloroethane	50.000	48.703	2.6	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.828	0.3	106	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	50.894	-1.8	111	0.00
36	T	1,1-Dichloropropene	50.000	48.866	2.3	95	0.00
37	T	Ethyl Acetate	50.000	43.078	13.8	78	0.00
38	T	Carbon Tetrachloride	50.000	48.800	2.4	97	0.00
39	T	Methylcyclohexane	50.000	51.724	-3.4	98	0.00
40	TM	Benzene	50.000	48.542	2.9	94	0.00
41	T	Methacrylonitrile	50.000	51.920	-3.8	96	0.03
42	TM	1,2-Dichloroethane	50.000	45.393	9.2	87	0.00
43	T	Isopropyl Acetate	50.000	43.036	13.9	77	0.00
44	TM	Trichloroethene	50.000	48.321	3.4	95	0.00
45	C	1,2-Dichloropropane	50.000	47.287	5.4#	91	0.00
46	T	Dibromomethane	50.000	45.413	9.2	84	0.00
47	T	Bromodichloromethane	50.000	46.755	6.5	89	0.00
48	T	Methyl methacrylate	50.000	45.652	8.7	79	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 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	874.634	12.5	75	0.00
50	S	Toluene-d8	50.000	53.263	-6.5	115	0.00
51	T	4-Methyl-2-Pentanone	250.000	216.781	13.3	74	0.00
52	CM	Toluene	50.000	49.486	1.0#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	47.312	5.4	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.236	3.5	90	0.00
55	T	1,1,2-Trichloroethane	50.000	44.786	10.4	82	0.00
56	T	Ethyl methacrylate	50.000	46.305	7.4	79	0.00
57	T	1,3-Dichloropropane	50.000	46.108	7.8	86	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	247.869	0.9	86	0.00
59	T	2-Hexanone	250.000	224.350	10.3	73	0.00
60	T	Dibromochloromethane	50.000	46.278	7.4	87	0.00
61	T	1,2-Dibromoethane	50.000	45.932	8.1	85	0.00
62	S	4-Bromofluorobenzene	50.000	51.560	-3.1	111	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	49.207	1.6	94	0.00
65	PM	Chlorobenzene	50.000	48.611	2.8	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.104	3.8	91	0.00
67	C	Ethyl Benzene	50.000	50.757	-1.5#	94	0.00
68	T	m/p-Xylenes	100.000	100.830	-0.8	92	0.00
69	T	o-Xylene	50.000	51.096	-2.2	93	0.00
70	T	Styrene	50.000	50.400	-0.8	90	0.00
71	P	Bromoform	50.000	45.886	8.2	81	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	52.186	-4.4	94	0.00
74	T	N-amyl acetate	50.000	45.591	8.8	76	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.086	11.8	78	0.00
76	T	1,2,3-Trichloropropane	50.000	44.986	10.0	85	0.00
77	T	Bromobenzene	50.000	48.194	3.6	89	0.00
78	T	n-propylbenzene	50.000	52.233	-4.5	94	0.00
79	T	2-Chlorotoluene	50.000	50.525	-1.0	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.113	-4.2	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.578	8.8	79	0.00
82	T	4-Chlorotoluene	50.000	50.122	-0.2	92	0.00
83	T	tert-Butylbenzene	50.000	53.088	-6.2	96	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.510	-3.0	93	0.00
85	T	sec-Butylbenzene	50.000	52.908	-5.8	96	0.00
86	T	p-Isopropyltoluene	50.000	52.556	-5.1	95	0.00
87	T	1,3-Dichlorobenzene	50.000	48.728	2.5	91	0.00
88	T	1,4-Dichlorobenzene	50.000	48.331	3.3	90	0.00
89	T	n-Butylbenzene	50.000	53.606	-7.2	95	0.00
90	T	Hexachloroethane	50.000	50.084	-0.2	95	0.00
91	T	1,2-Dichlorobenzene	50.000	47.985	4.0	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	42.654	14.7	76	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.388	1.2	86	0.00
94	T	Hexachlorobutadiene	50.000	52.186	-4.4	94	0.00
95	T	Naphthalene	50.000	45.480	9.0	77	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.639	2.7	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY021346.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG No.: Q1421

Instrument ID: MSVOA_Y Calibration Date/Time: 02/27/2025 10:13

Lab File ID: VY021346.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.474	0.413		-12.87	20
Chloromethane	0.612	0.531	0.1	-13.23	20
Vinyl Chloride	0.601	0.554		-7.82	20
Bromomethane	0.399	0.355		-11.03	20
Chloroethane	0.373	0.354		-5.09	20
Trichlorofluoromethane	0.908	0.857		-5.62	20
1,1,2-Trichlorotrifluoroethane	0.525	0.483		-8	20
1,1-Dichloroethene	0.503	0.467		-7.16	20
Acetone	0.109	0.108		-0.92	20
Carbon Disulfide	1.671	1.540		-7.84	20
Methyl tert-butyl Ether	1.329	1.304		-1.88	20
Methyl Acetate	0.266	0.254		-4.51	20
Methylene Chloride	0.588	0.523		-11.05	20
trans-1,2-Dichloroethene	0.554	0.533		-3.79	20
1,1-Dichloroethane	1.040	0.977	0.1	-6.06	20
Cyclohexane	1.000	0.858		-14.2	20
2-Butanone	0.164	0.156		-4.88	20
Carbon Tetrachloride	0.554	0.524		-5.41	20
cis-1,2-Dichloroethene	0.632	0.615		-2.69	20
Bromochloromethane	0.460	0.454		-1.3	20
Chloroform	1.054	0.999		-5.22	20
1,1,1-Trichloroethane	0.960	0.904		-5.83	20
Methylcyclohexane	0.623	0.568		-8.83	20
Benzene	1.456	1.381		-5.15	20
1,2-Dichloroethane	0.413	0.403		-2.42	20
Trichloroethene	0.364	0.350		-3.85	20
1,2-Dichloropropane	0.350	0.331		-5.43	20
Bromodichloromethane	0.511	0.501		-1.96	20
4-Methyl-2-Pentanone	0.243	0.236		-2.88	20
Toluene	0.904	0.878		-2.88	20
t-1,3-Dichloropropene	0.468	0.463		-1.07	20
cis-1,3-Dichloropropene	0.552	0.535		-3.08	20
1,1,2-Trichloroethane	0.249	0.238		-4.42	20
2-Hexanone	0.159	0.157		-1.26	20
Dibromochloromethane	0.340	0.334		-1.76	20
1,2-Dibromoethane	0.236	0.228		-3.39	20
Tetrachloroethene	0.378	0.347		-8.2	20
Chlorobenzene	1.122	1.069	0.3	-4.72	20

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

Raw Data: **VY021346.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG No.: Q1421

Instrument ID: MSVOA_Y Calibration Date/Time: 02/27/2025 10:13

Lab File ID: VY021346.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.988	1.908		-4.02	20
m/p-Xylenes	0.748	0.712		-4.81	20
o-Xylene	0.701	0.674		-3.85	20
Styrene	1.166	1.136		-2.57	20
Bromoform	0.225	0.221	0.1	-1.78	20
Isopropylbenzene	3.759	3.639		-3.19	20
1,1,2,2-Tetrachloroethane	0.663	0.638	0.3	-3.77	20
1,3-Dichlorobenzene	1.730	1.628		-5.9	20
1,4-Dichlorobenzene	1.709	1.598		-6.49	20
1,2-Dichlorobenzene	1.515	1.449		-4.36	20
1,2-Dibromo-3-Chloropropane	0.105	0.099		-5.71	20
1,2,4-Trichlorobenzene	0.925	0.872		-5.73	20
1,2,3-Trichlorobenzene	0.781	0.739		-5.38	20
1,2-Dichloroethane-d4	0.567	0.558		-1.59	20
Dibromofluoromethane	0.328	0.334		1.83	20
Toluene-d8	1.267	1.261		-0.47	20
4-Bromofluorobenzene	0.426	0.425		-0.23	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\VY022725\
Data File : VY021346.D
Acq On : 27 Feb 2025 10:13
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 28 00:39:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	216838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	336652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	146841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	121017	49.197	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.400%			
35) Dibromofluoromethane	7.634	113	112378	50.916	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.840%			
50) Toluene-d8	10.109	98	424430	49.758	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.408	95	142970	49.803	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	89451	43.510	ug/l	96
3) Chloromethane	2.068	50	115226	43.398	ug/l	98
4) Vinyl Chloride	2.202	62	120087	46.080	ug/l	98
5) Bromomethane	2.592	94	76928	44.421	ug/l	99
6) Chloroethane	2.733	64	76655	47.433	ug/l	99
7) Trichlorofluoromethane	3.056	101	185757	47.198	ug/l	96
8) Diethyl Ether	3.452	74	57510	48.685	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	104835	46.008	ug/l	99
10) Methyl Iodide	4.001	142	123304	51.435	ug/l	99
11) Tert butyl alcohol	4.860	59	38335	202.609	ug/l	99
12) 1,1-Dichloroethene	3.787	96	101275	46.418	ug/l	94
13) Acrolein	3.647	56	8893	61.335	ug/l	94
14) Allyl chloride	4.379	41	177389	45.858	ug/l	99
15) Acrylonitrile	5.055	53	122583	234.709	ug/l	100
16) Acetone	3.866	43	116573	247.053	ug/l	96
17) Carbon Disulfide	4.104	76	333979	46.099	ug/l	99
18) Methyl Acetate	4.385	43	55015	47.708	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	282838	49.066	ug/l	100
20) Methylene Chloride	4.610	84	113459	44.466	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	115652	48.151	ug/l	98
22) Diisopropyl ether	6.019	45	377852	47.204	ug/l	98
23) Vinyl Acetate	5.958	43	1144384	239.240	ug/l	100
24) 1,1-Dichloroethane	5.915	63	211938	46.976	ug/l	99
25) 2-Butanone	6.890	43	168838	237.086	ug/l	96
26) 2,2-Dichloropropane	6.878	77	190004	46.413	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	133307	48.604	ug/l	97
28) Bromochloromethane	7.244	49	98374	49.278	ug/l	98
29) Tetrahydrofuran	7.256	42	109505	235.247	ug/l	99
30) Chloroform	7.421	83	216589	47.377	ug/l	99
31) Cyclohexane	7.701	56	185986	42.885	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	196015	47.106	ug/l	99
36) 1,1-Dichloropropene	7.835	75	155190	46.810	ug/l	99
37) Ethyl Acetate	6.982	43	76874	46.614	ug/l	98
38) Carbon Tetrachloride	7.817	117	176563	47.372	ug/l	100
39) Methylcyclohexane	9.109	83	191303	45.621	ug/l	99
40) Benzene	8.079	78	465038	47.451	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021346.D
Acq On : 27 Feb 2025 10:13
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 28 00:39:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	41275	44.764	ug/l		91
42) 1,2-Dichloroethane	8.158	62	135785	48.834	ug/l		100
43) Isopropyl Acetate	8.195	43	150377	47.110	ug/l	#	86
44) Trichloroethene	8.866	130	117718	47.977	ug/l		98
45) 1,2-Dichloropropane	9.140	63	111459	47.258	ug/l		98
46) Dibromomethane	9.231	93	62998	48.866	ug/l		99
47) Bromodichloromethane	9.420	83	168603	49.049	ug/l		99
48) Methyl methacrylate	9.219	41	70974	47.548	ug/l		96
49) 1,4-Dioxane	9.225	88	14834	1034.825	ug/l		89
51) 4-Methyl-2-Pentanone	10.000	43	397113	243.033	ug/l		99
52) Toluene	10.170	92	295469	48.531	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	155924	49.509	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	180216	48.471	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	80212	47.760	ug/l		97
56) Ethyl methacrylate	10.438	69	118449	51.042	ug/l		97
57) 1,3-Dichloropropane	10.719	76	143446	48.674	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	268918	241.429	ug/l		99
59) 2-Hexanone	10.762	43	264507	246.484	ug/l		98
60) Dibromochloromethane	10.908	129	112424	49.151	ug/l		100
61) 1,2-Dibromoethane	11.018	107	76619	48.188	ug/l		97
64) Tetrachloroethene	10.646	164	103607	45.972	ug/l		98
65) Chlorobenzene	11.444	112	318660	47.611	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112125	47.843	ug/l		99
67) Ethyl Benzene	11.518	91	568987	47.994	ug/l		99
68) m/p-Xylenes	11.627	106	424503	95.197	ug/l		99
69) o-Xylene	11.957	106	201012	48.118	ug/l		98
70) Styrene	11.969	104	338828	48.749	ug/l		100
71) Bromoform	12.133	173	65877	49.136	ug/l	#	100
73) Isopropylbenzene	12.255	105	534388	48.407	ug/l		100
74) N-amyl acetate	12.072	43	137883	49.139	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	93722	48.104	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	71287m	48.501	ug/l		
77) Bromobenzene	12.530	156	124444	48.465	ug/l		98
78) n-propylbenzene	12.597	91	643447	48.033	ug/l		100
79) 2-Chlorotoluene	12.682	91	366017	47.609	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	439469	48.538	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	32102	48.545	ug/l		98
82) 4-Chlorotoluene	12.780	91	381031	47.811	ug/l		100
83) tert-Butylbenzene	12.999	119	389054	47.569	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	438264	48.670	ug/l		99
85) sec-Butylbenzene	13.176	105	563465	47.165	ug/l		100
86) p-Isopropyltoluene	13.292	119	475557	47.673	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	238997	47.054	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	234683	46.771	ug/l		100
89) n-Butylbenzene	13.621	91	447227	47.641	ug/l		100
90) Hexachloroethane	13.883	117	95176	45.677	ug/l		98
91) 1,2-Dichlorobenzene	13.664	146	212743	47.806	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	14541	47.180	ug/l		98
93) 1,2,4-Trichlorobenzene	14.926	180	127990	47.123	ug/l		99
94) Hexachlorobutadiene	15.029	225	76423	44.693	ug/l		100
95) Naphthalene	15.145	128	219783	48.854	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	108446	47.257	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021346.D
Acq On : 27 Feb 2025 10:13
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 28 00:39:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

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

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

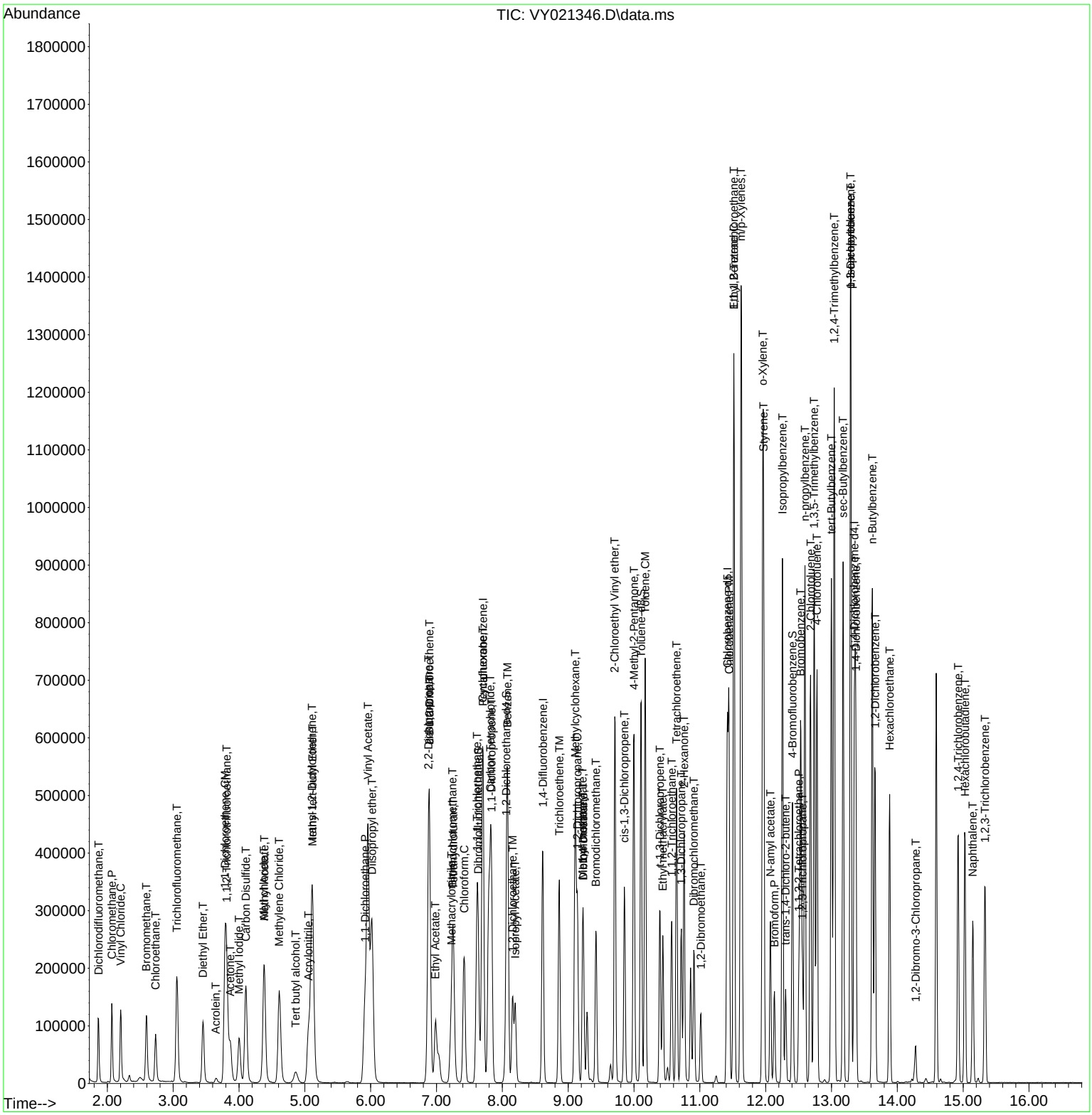
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021346.D
Acq On : 27 Feb 2025 10:13
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

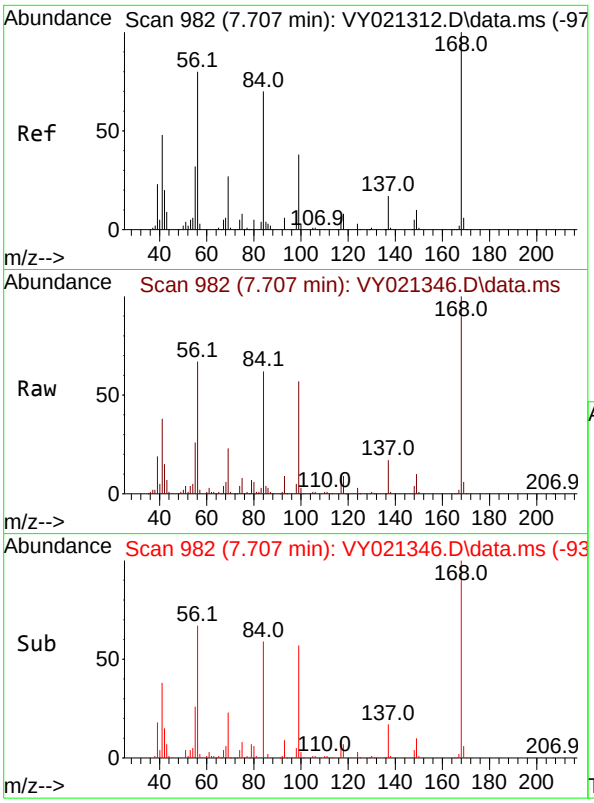
Quant Time: Feb 28 00:39:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

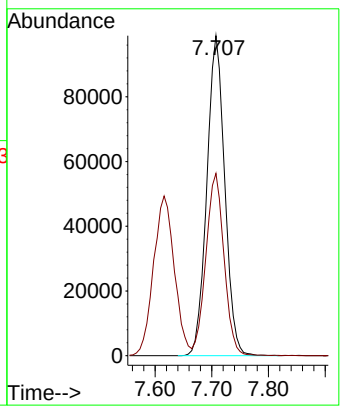




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:168 Resp: 21683

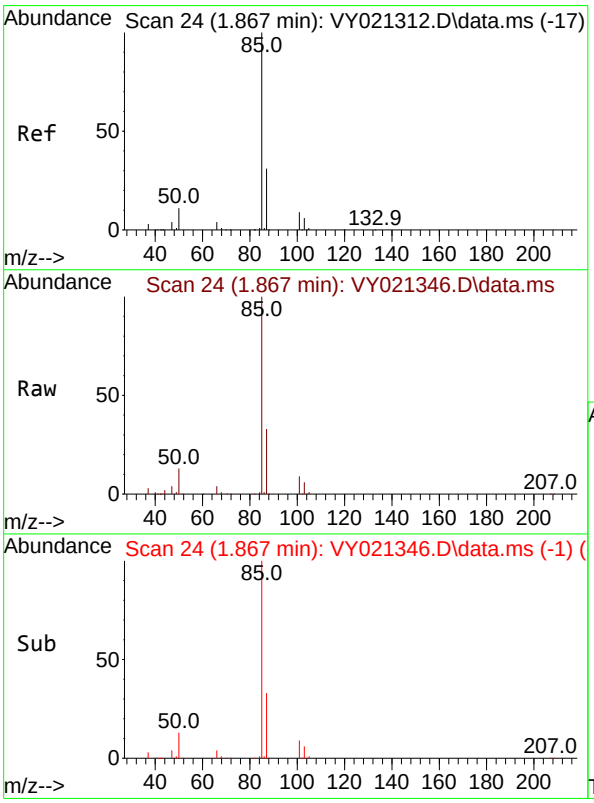
Ion	Ratio	Lower	Upper
168	100		
99	56.9	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

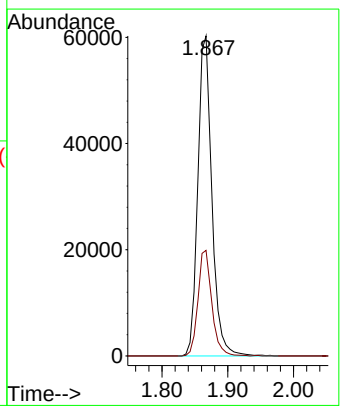
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

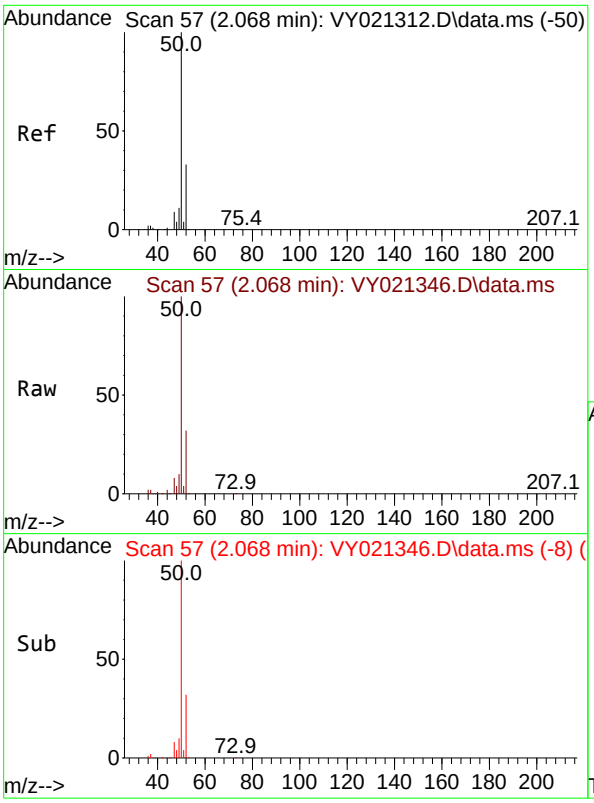


#2
Dichlorodifluoromethane
Concen: 43.510 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 85 Resp: 89451

Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.4	46.4

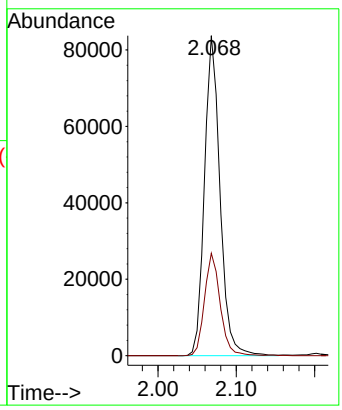




#3
Chloromethane
Concen: 43.398 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 50 Resp: 11522

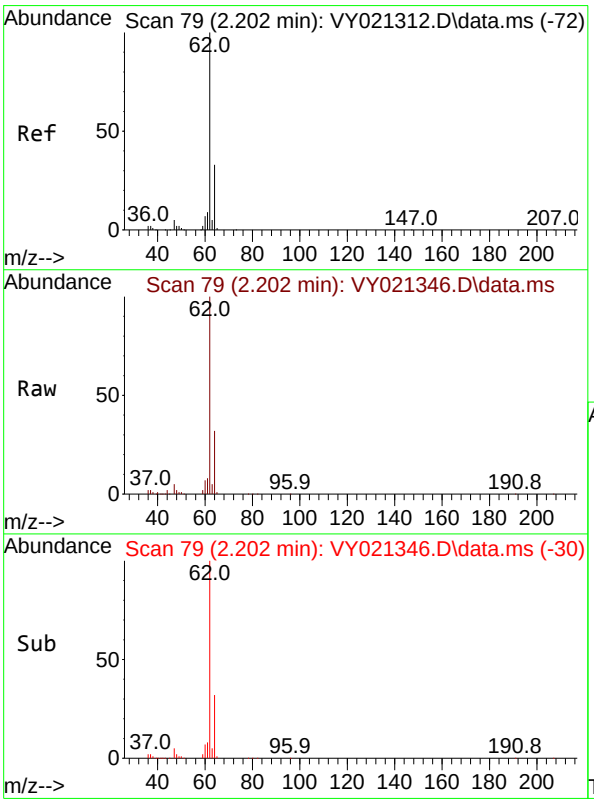
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

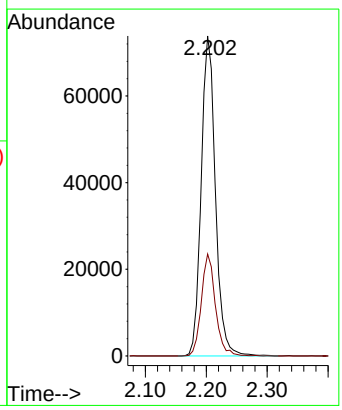
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

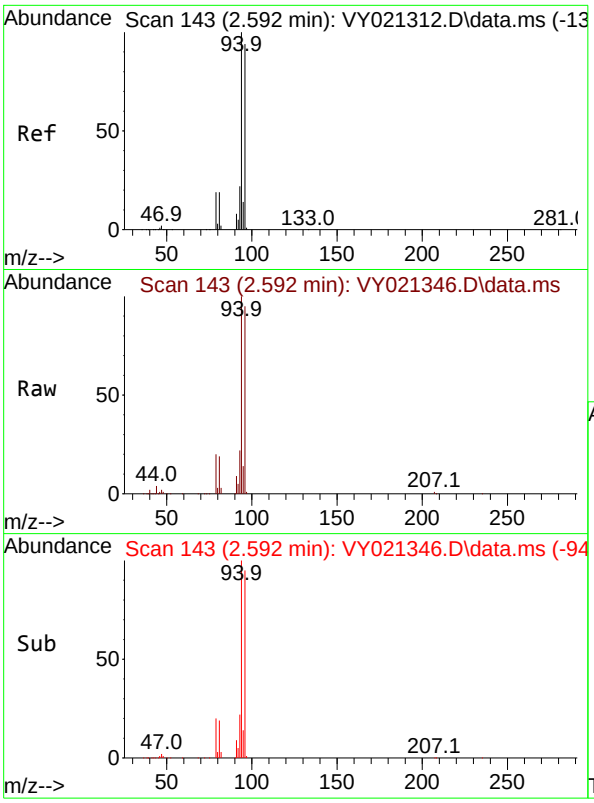


#4
Vinyl Chloride
Concen: 46.080 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 62 Resp: 120087

Ion	Ratio	Lower	Upper
62	100		
64	31.9	26.3	39.5





#5
Bromomethane
Concen: 44.421 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

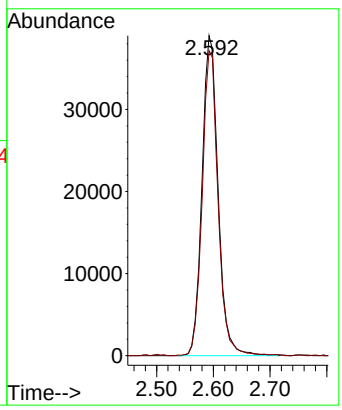
Tgt Ion: 94 Resp: 7692

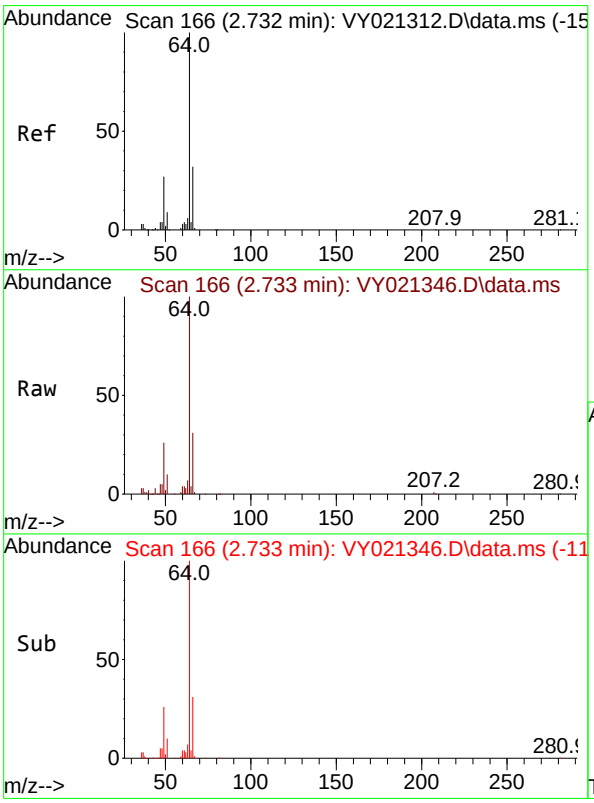
Ion	Ratio	Lower	Upper
94	100		
96	95.1	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

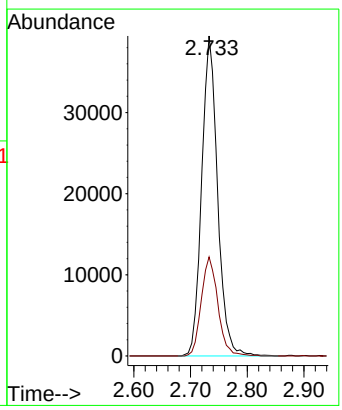


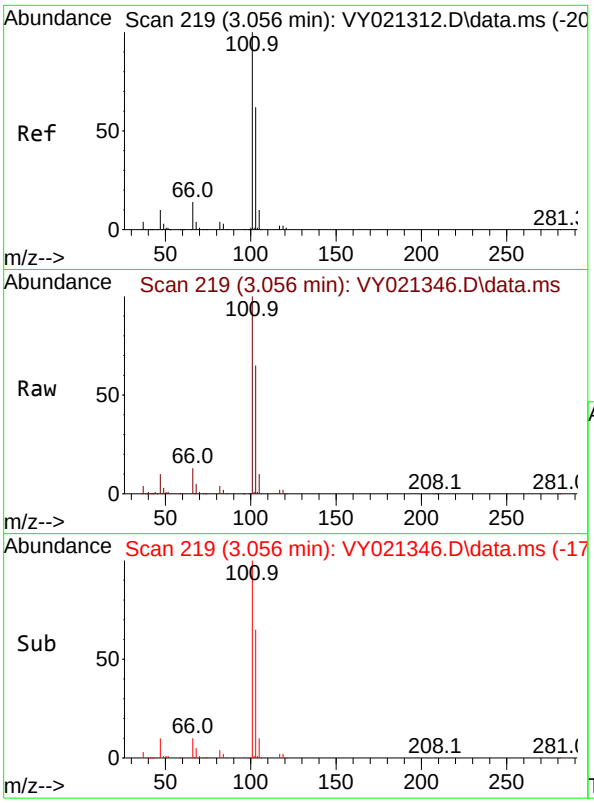


#6
Chloroethane
Concen: 47.433 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 64 Resp: 76655

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.4	38.0

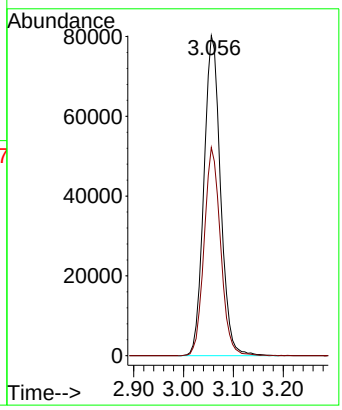




#7
Trichlorofluoromethane
Concen: 47.198 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:101 Resp: 18575

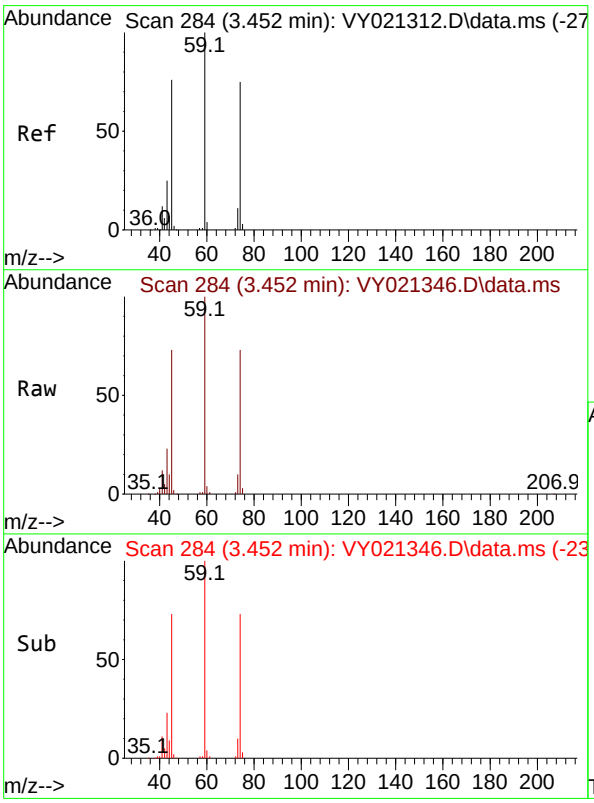
Ion	Ratio	Lower	Upper
101	100		
103	65.0	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

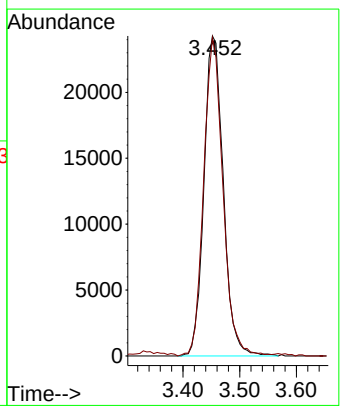
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

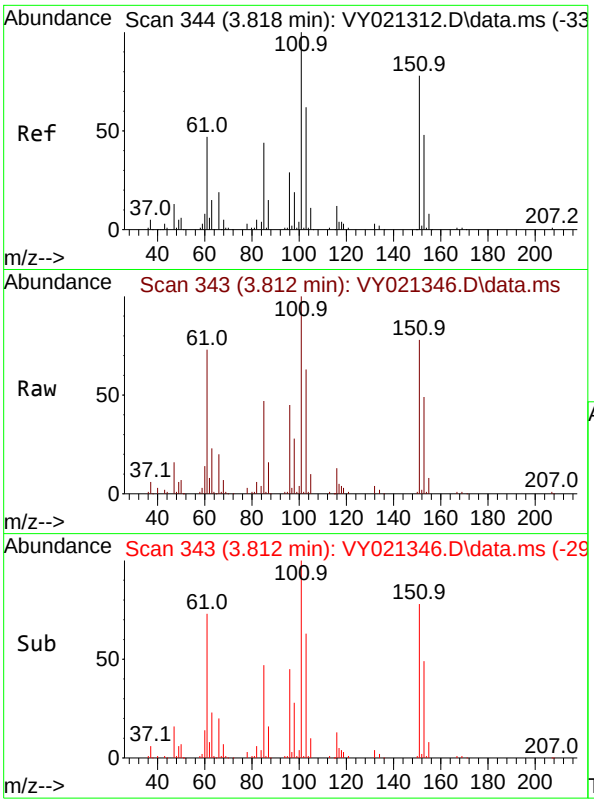


#8
Diethyl Ether
Concen: 48.685 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 74 Resp: 57510

Ion	Ratio	Lower	Upper
74	100		
45	99.0	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.008 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

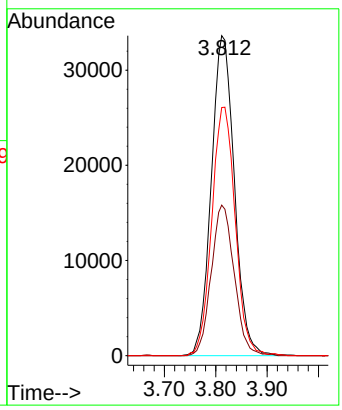
Tgt Ion:101 Resp: 10483

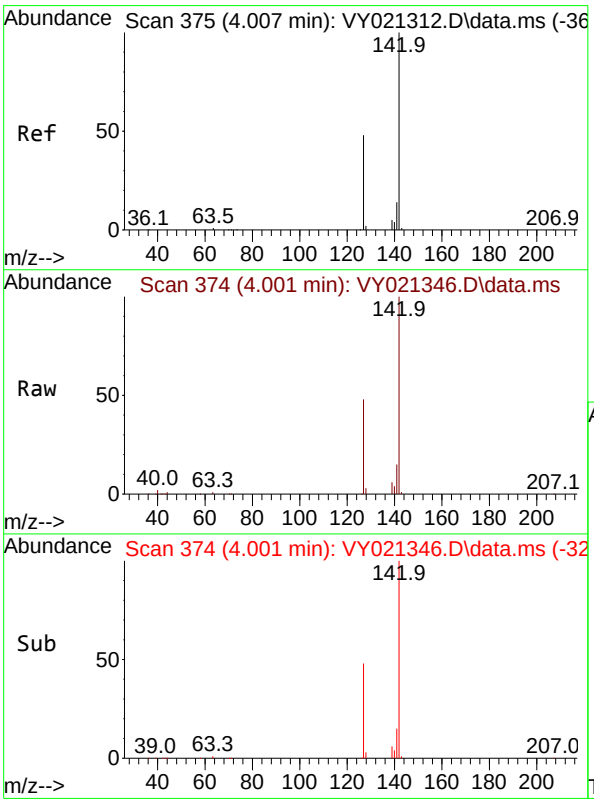
Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.7	55.1
151	78.8	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

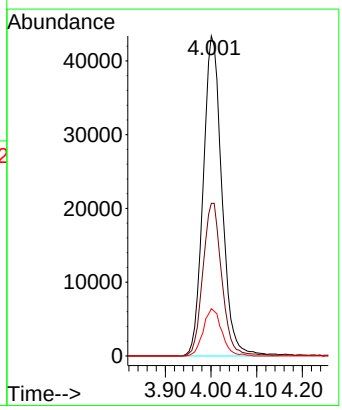


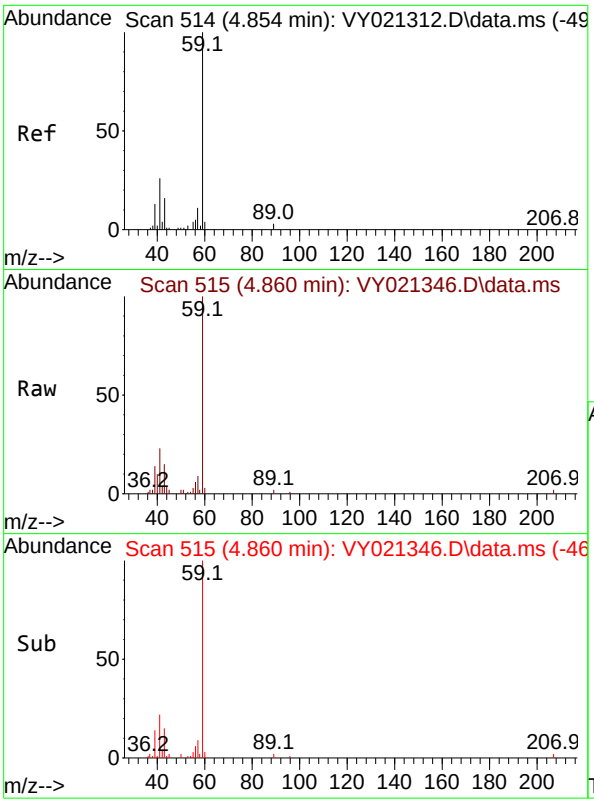


#10
Methyl Iodide
Concen: 51.435 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:142 Resp: 123304

Ion	Ratio	Lower	Upper
142	100		
127	48.2	39.2	58.8
141	14.6	11.4	17.2

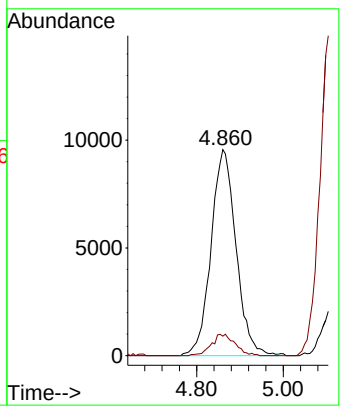




#11
Tert butyl alcohol
Concen: 202.609 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 59 Resp: 3833

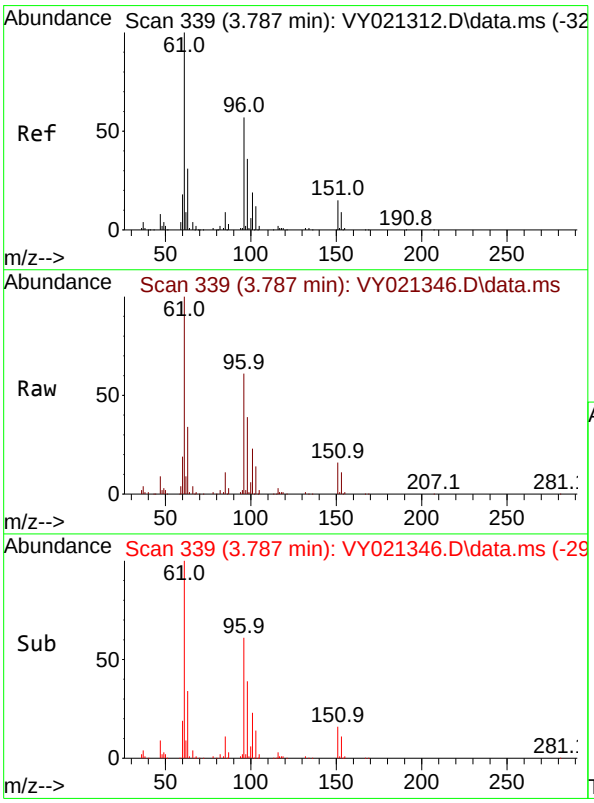
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

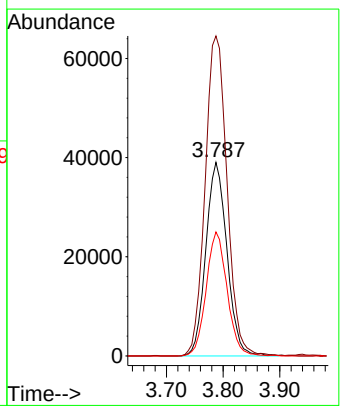
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

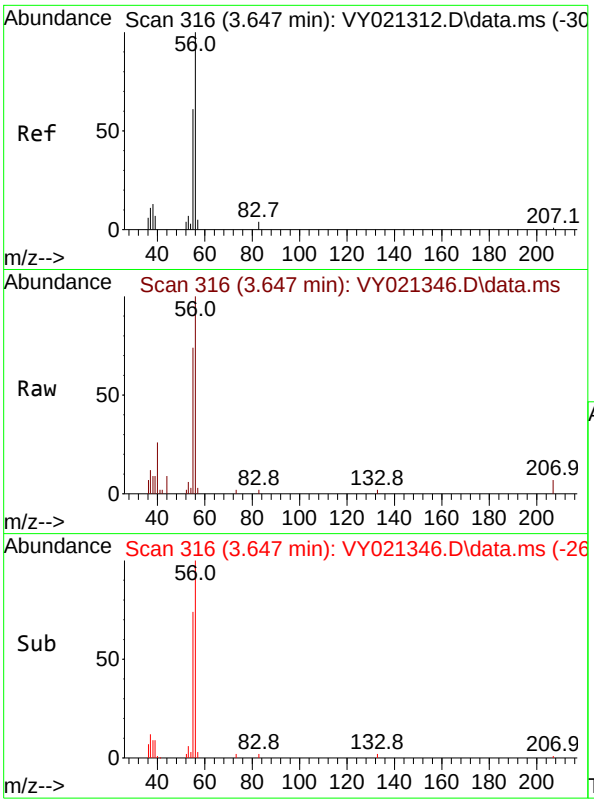


#12
1,1-Dichloroethene
Concen: 46.418 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 96 Resp: 101275

Ion	Ratio	Lower	Upper
96	100		
61	165.3	139.7	209.5
98	64.1	49.7	74.5

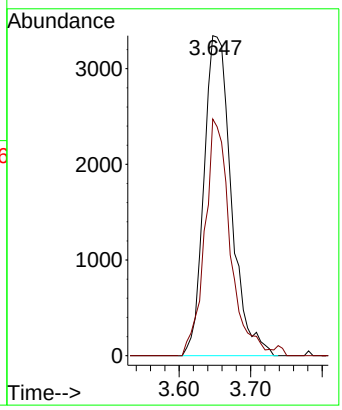




#13
Acrolein
Concen: 61.335 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 56 Resp: 889

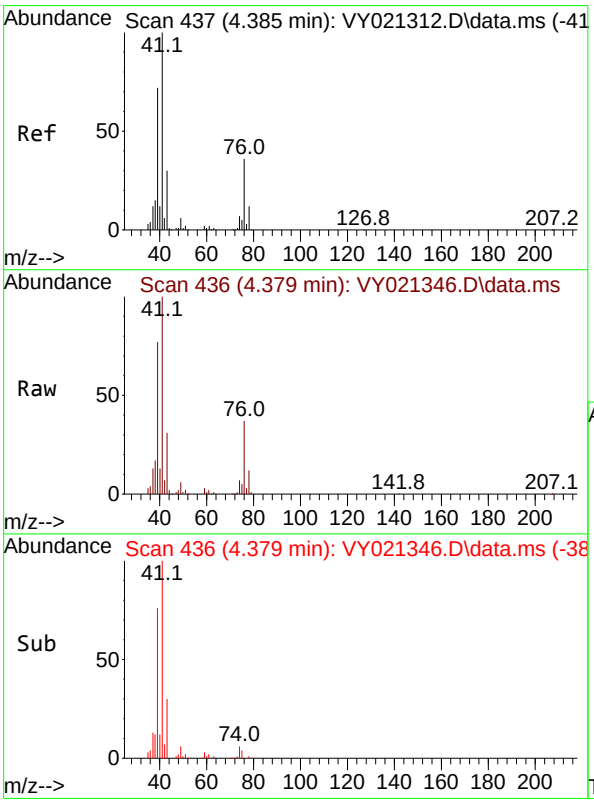
Ion	Ratio	Lower	Upper
56	100		
55	68.9	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

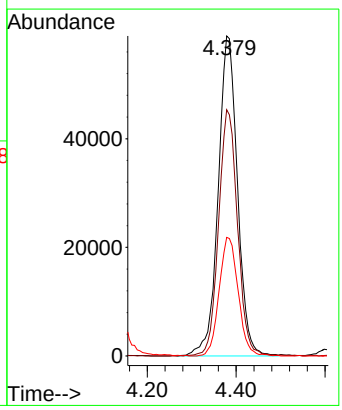
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

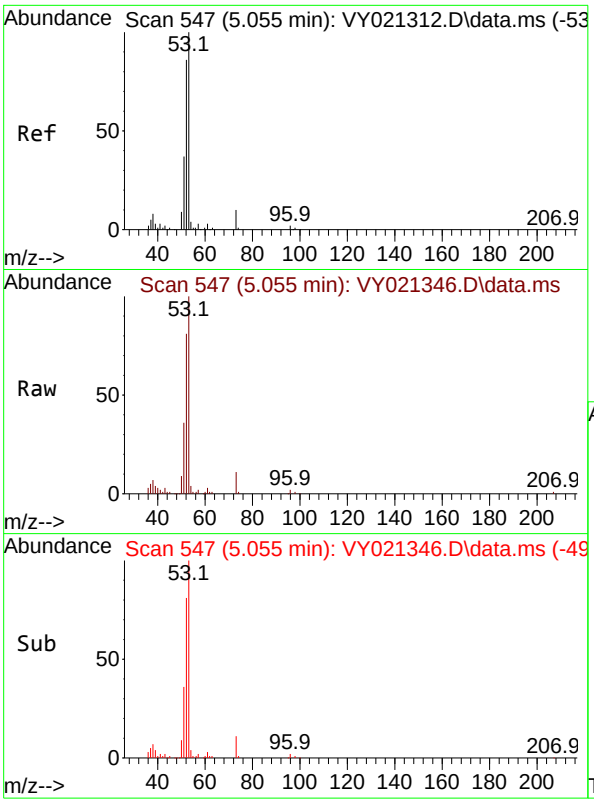


#14
Allyl chloride
Concen: 45.858 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 41 Resp: 177389

Ion	Ratio	Lower	Upper
41	100		
39	75.5	60.0	90.0
76	36.5	29.0	43.6

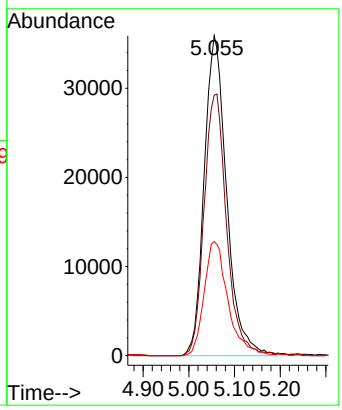




#15
Acrylonitrile
Concen: 234.709 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 53 Resp: 12258

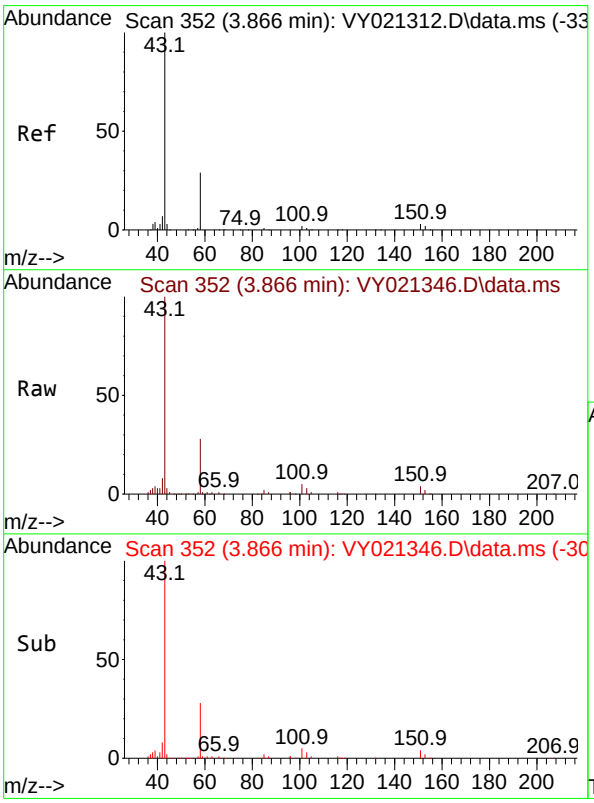
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.5	98.3
51	37.9	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

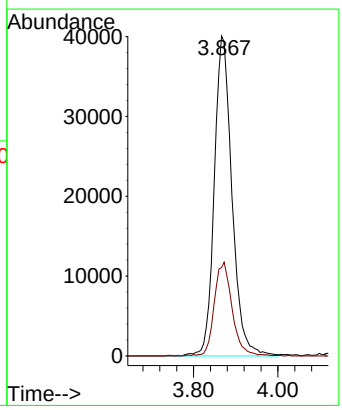
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

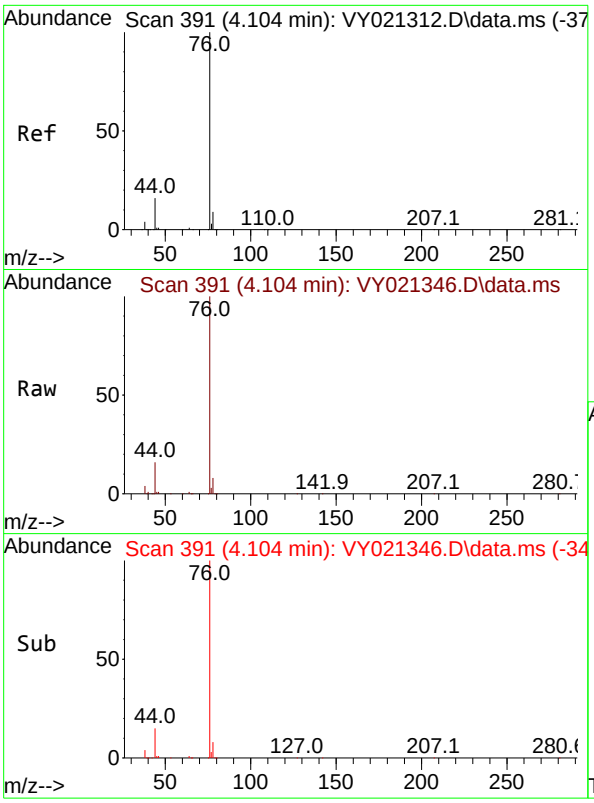


#16
Acetone
Concen: 247.053 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 43 Resp: 116573

Ion	Ratio	Lower	Upper
43	100		
58	27.4	23.5	35.3

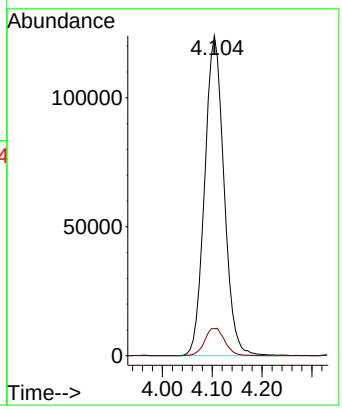




#17
Carbon Disulfide
Concen: 46.099 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 76 Resp: 33397

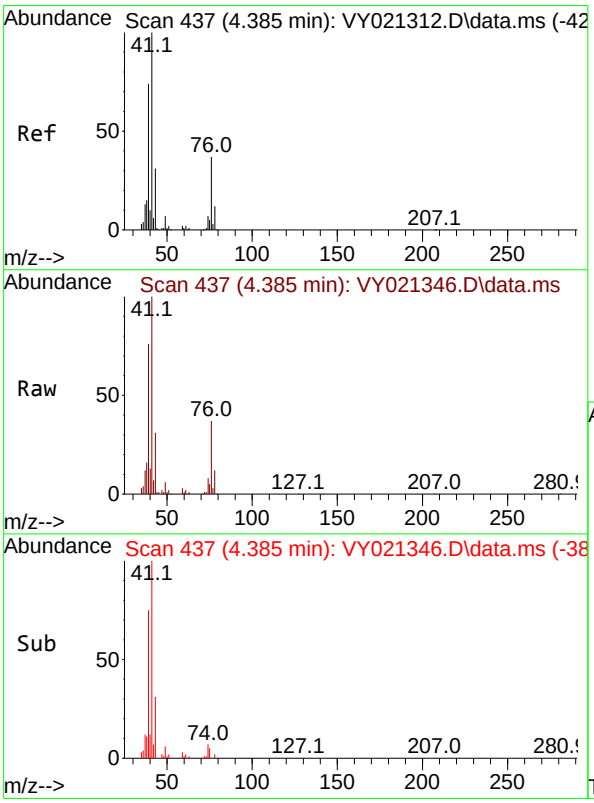
Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

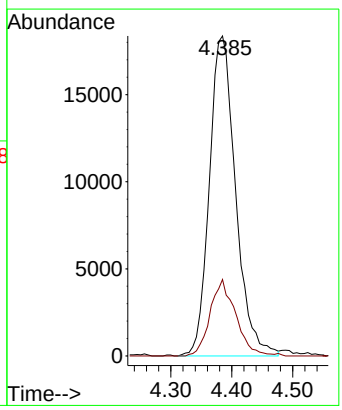
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

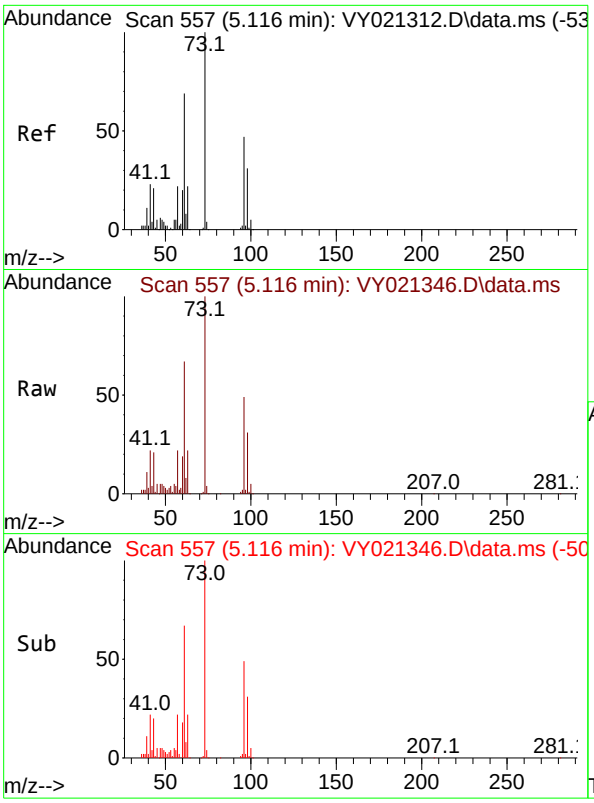


#18
Methyl Acetate
Concen: 47.708 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 43 Resp: 55015

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.7	26.5

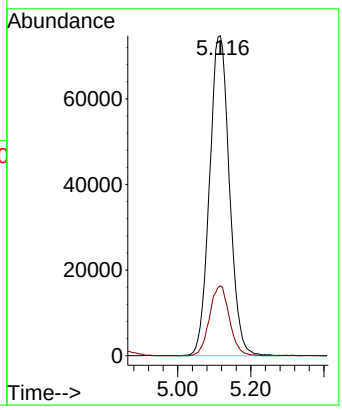




#19
Methyl tert-butyl Ether
Concen: 49.066 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 73 Resp: 28283

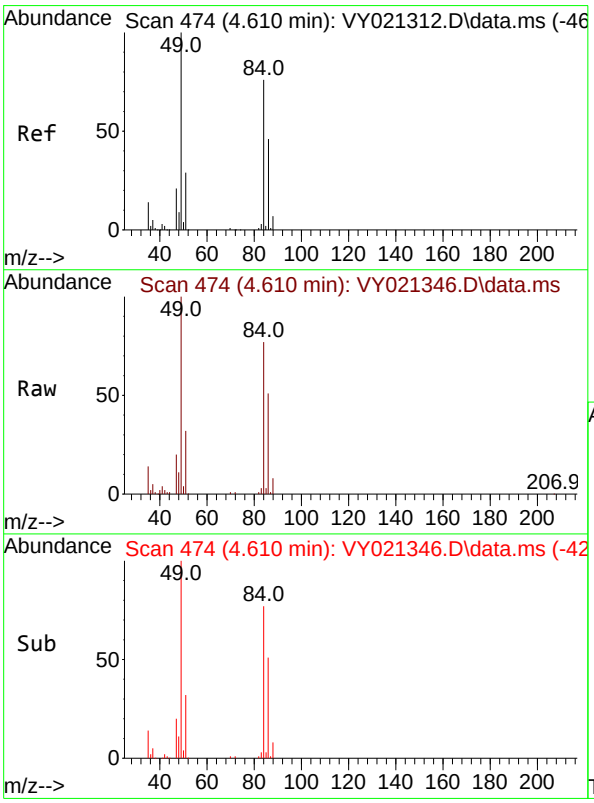
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

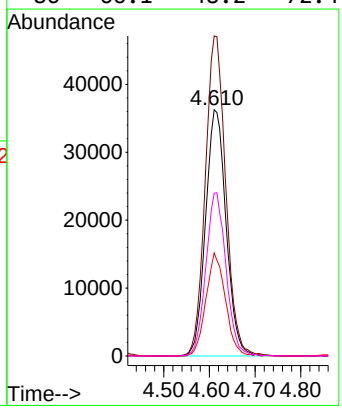
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

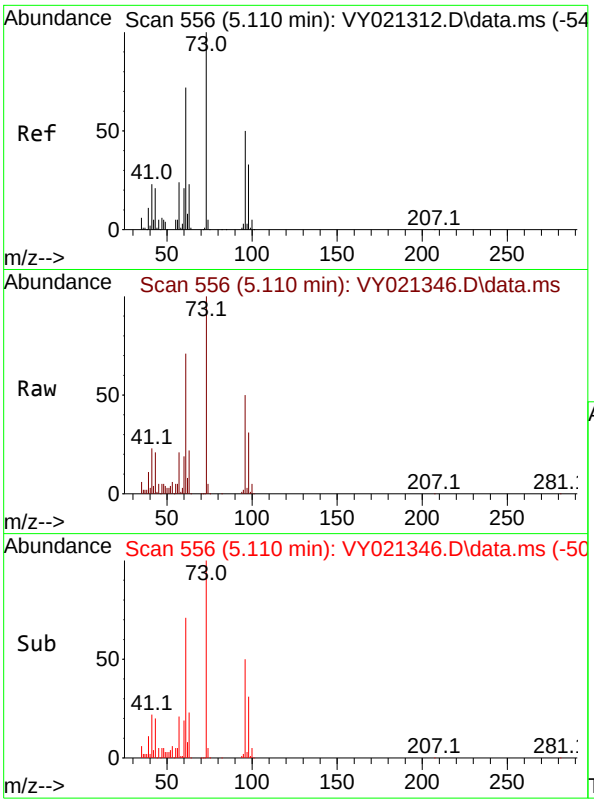


#20
Methylene Chloride
Concen: 44.466 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 84 Resp: 113459

Ion	Ratio	Lower	Upper
84	100		
49	130.0	105.1	157.7
51	41.8	31.0	46.4
86	66.1	48.2	72.4





#21
trans-1,2-Dichloroethene
Concen: 48.151 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

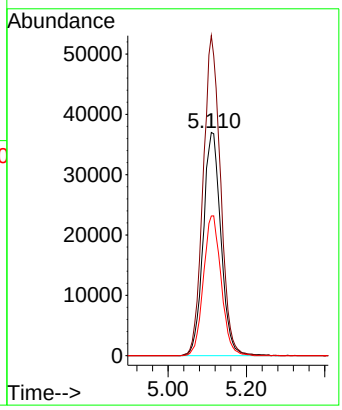
Tgt Ion: 96 Resp: 11565

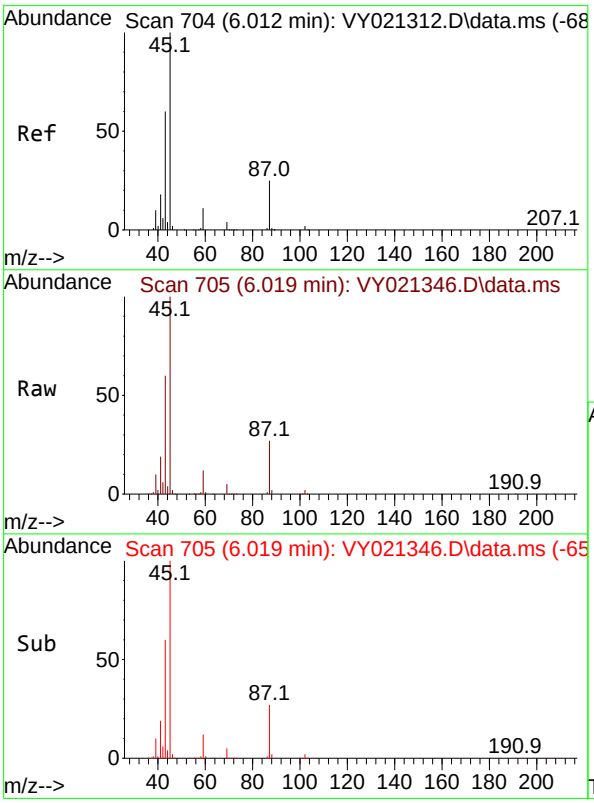
Ion	Ratio	Lower	Upper
96	100		
61	143.4	116.3	174.5
98	62.6	52.6	78.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

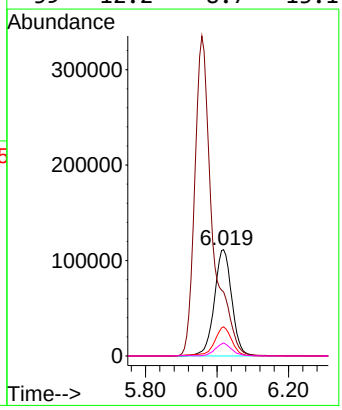


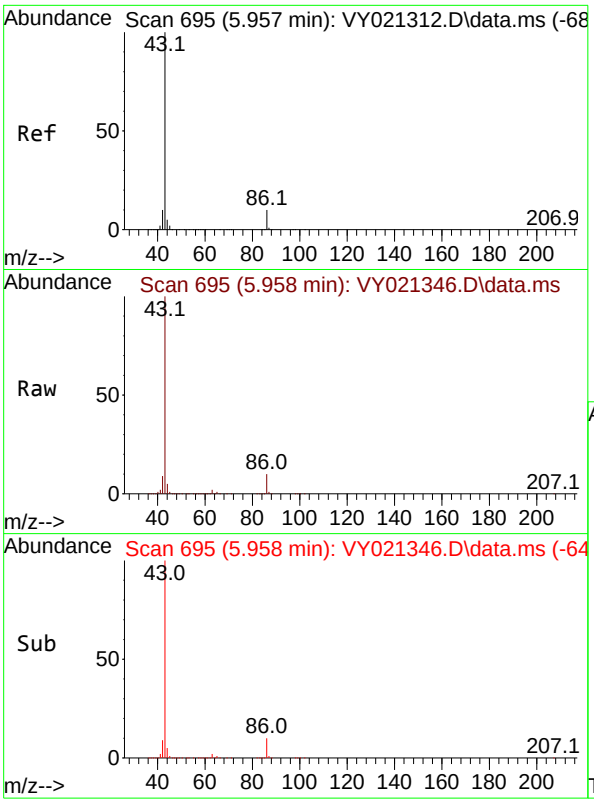


#22
Diisopropyl ether
Concen: 47.204 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 45 Resp: 377852

Ion	Ratio	Lower	Upper
45	100		
43	60.0	48.2	72.4
87	27.4	20.3	30.5
59	12.2	8.7	13.1

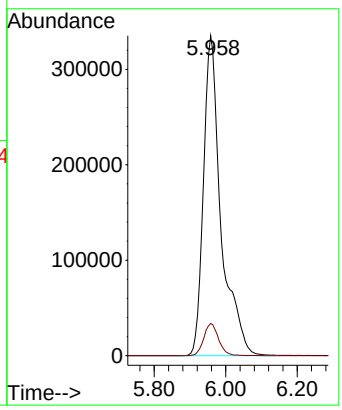




#23
Vinyl Acetate
Concen: 239.240 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 43 Resp: 114438

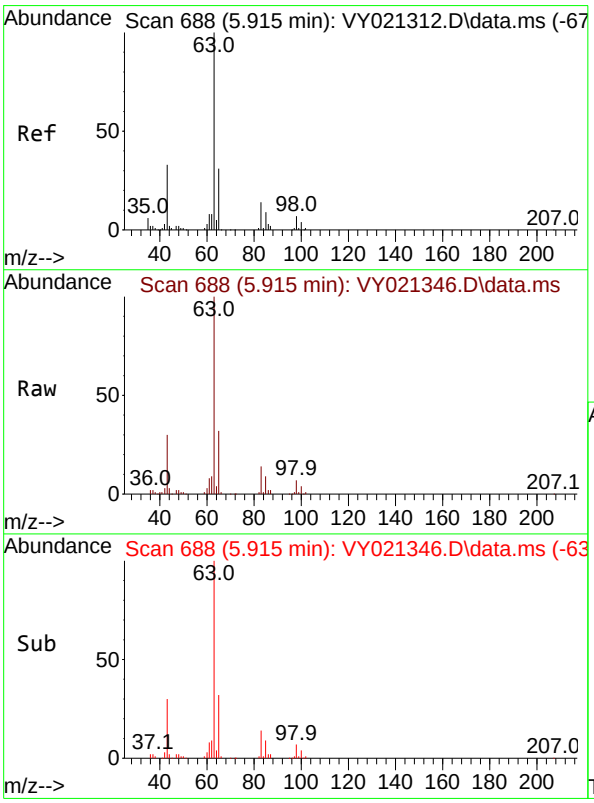
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

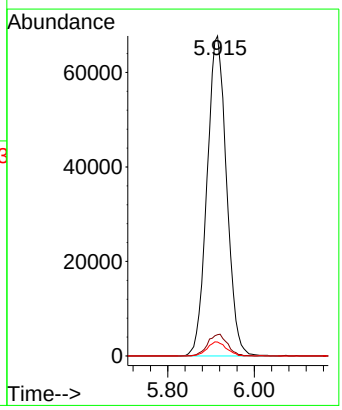
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

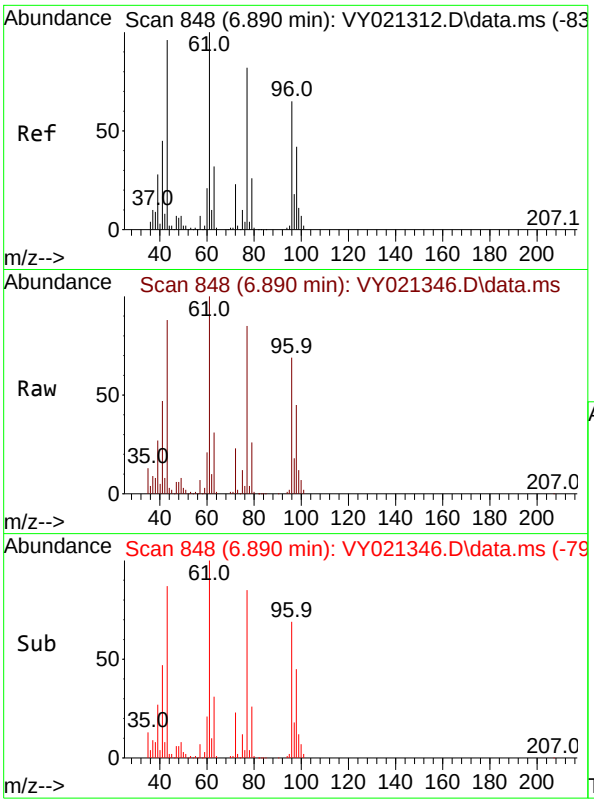


#24
1,1-Dichloroethane
Concen: 46.976 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 63 Resp: 211938

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.7	11.1
100	4.4	2.1	6.5





#25
2-Butanone
Concen: 237.086 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

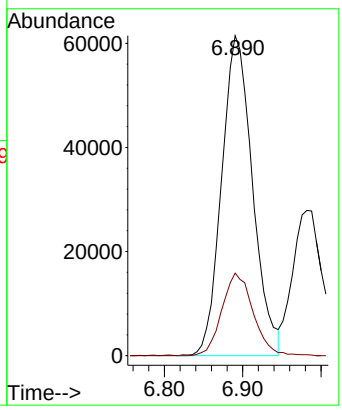
Tgt Ion: 43 Resp: 16883

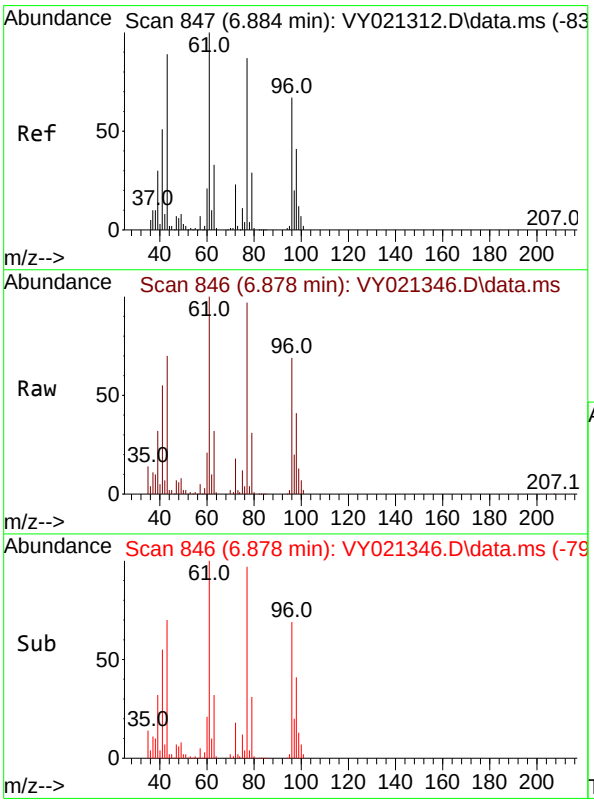
Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

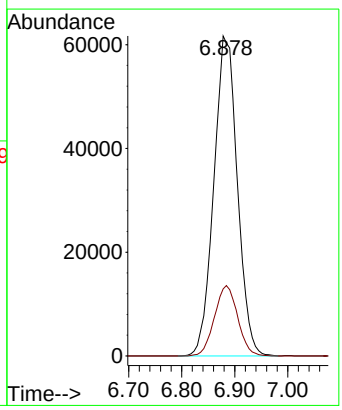


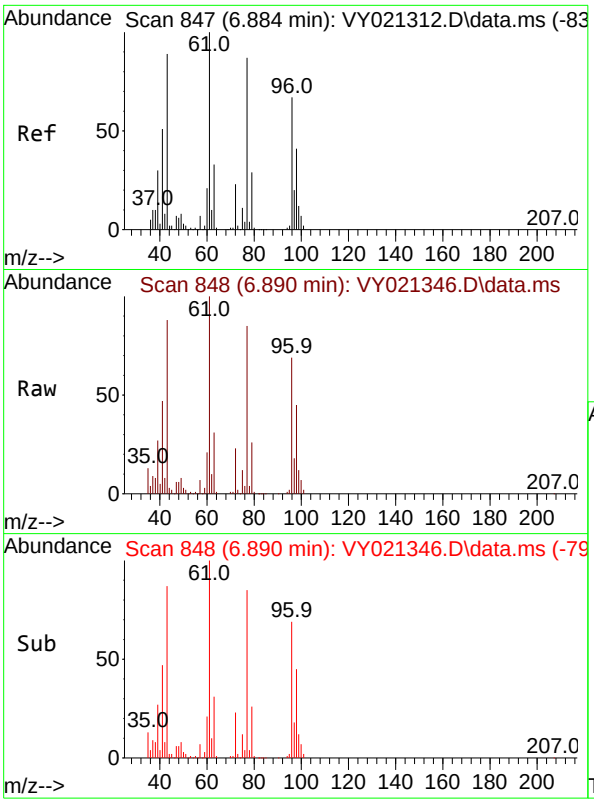


#26
2,2-Dichloropropane
Concen: 46.413 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 77 Resp: 190004

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 48.604 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

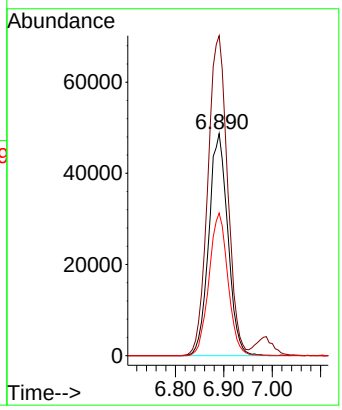
Tgt Ion: 96 Resp: 13330

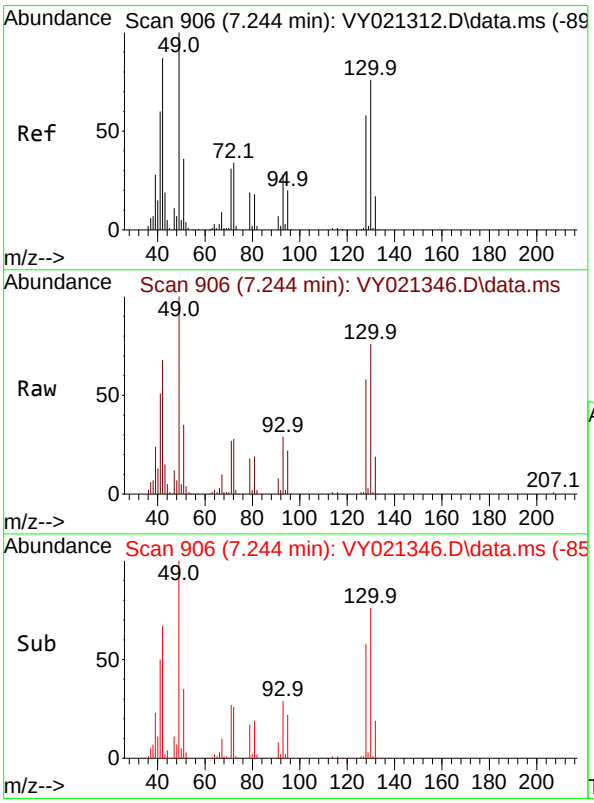
Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	308.0
98	63.8	0.0	129.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

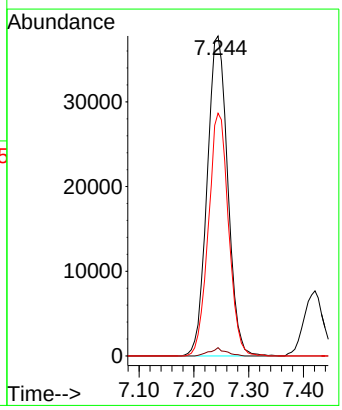


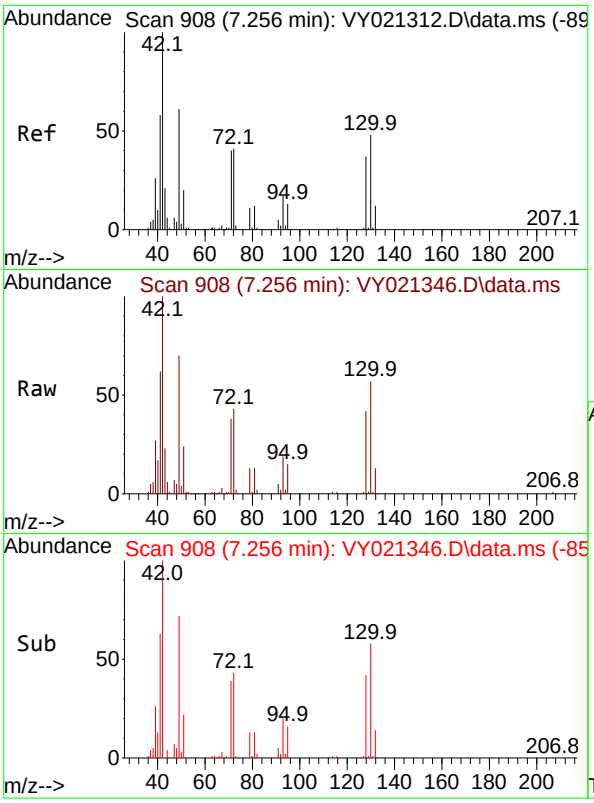


#28
Bromochloromethane
Concen: 49.278 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 49 Resp: 98374

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	74.2	57.8	86.6

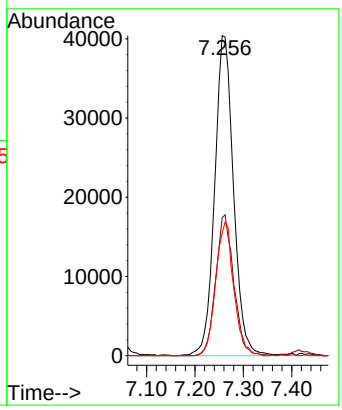




#29
Tetrahydrofuran
Concen: 235.247 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 42 Resp: 10950

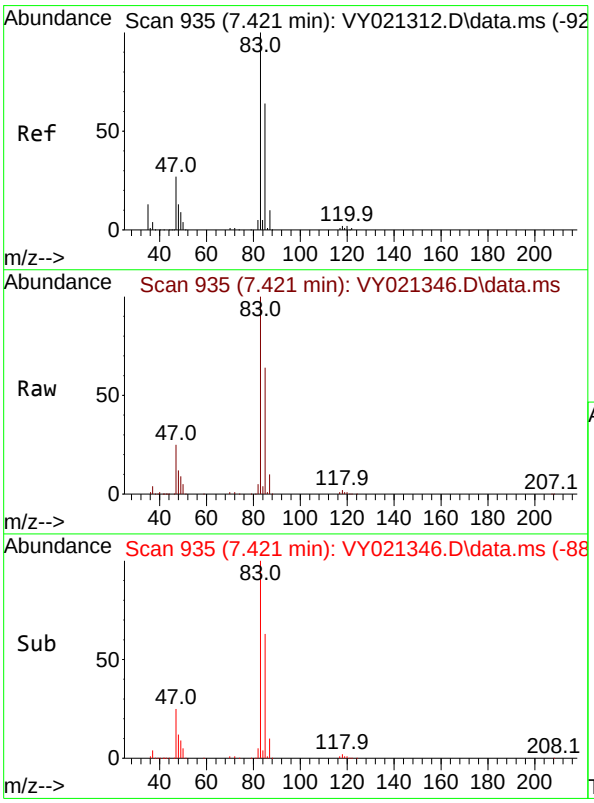
Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.1	49.7
71	39.8	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

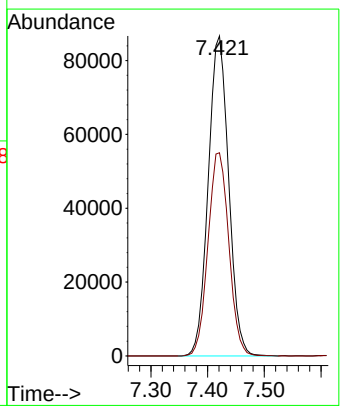
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

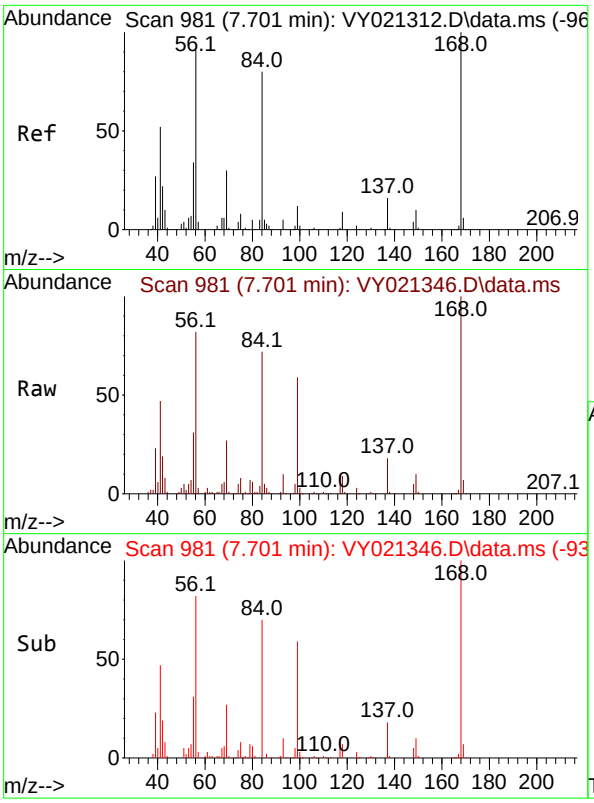


#30
Chloroform
Concen: 47.377 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 83 Resp: 216589

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.6	77.4





#31
Cyclohexane
Concen: 42.885 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

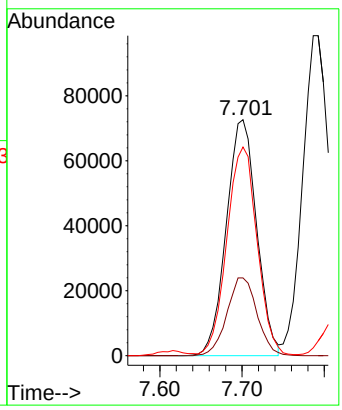
Tgt Ion: 56 Resp: 18598

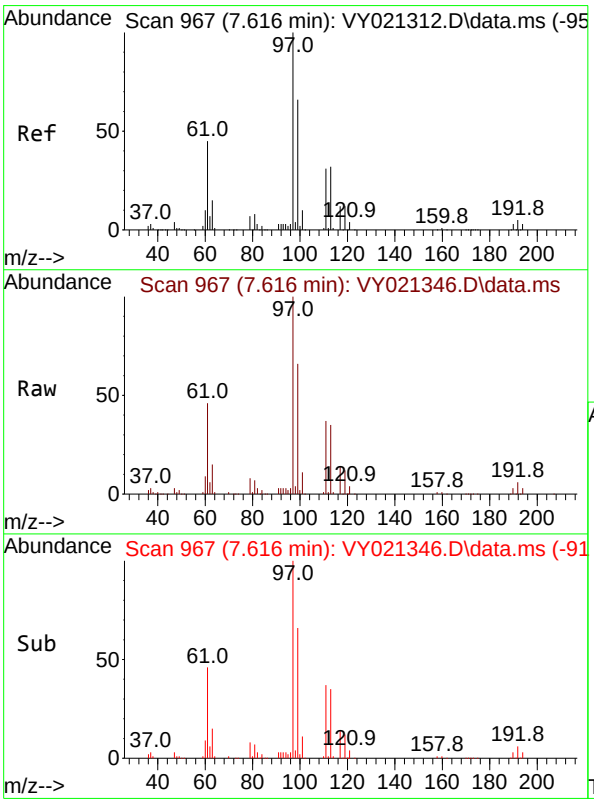
Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.2	39.4
84	86.6	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

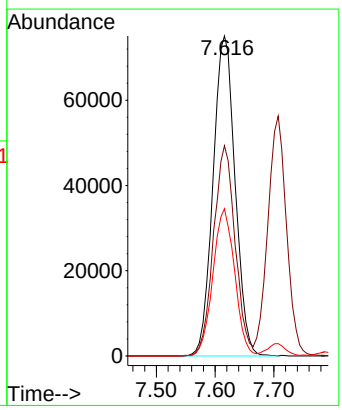


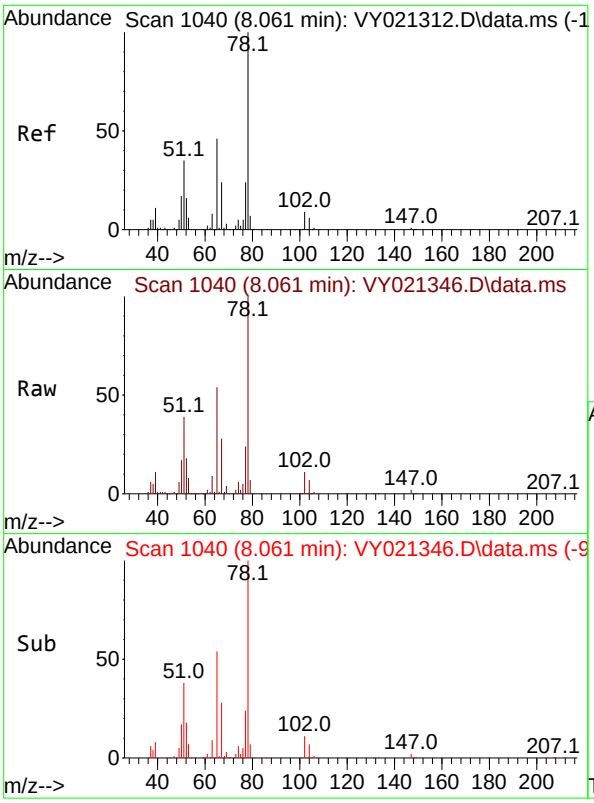


#32
1,1,1-Trichloroethane
Concen: 47.106 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 97 Resp: 196015

Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.4	78.6
61	45.4	36.2	54.2

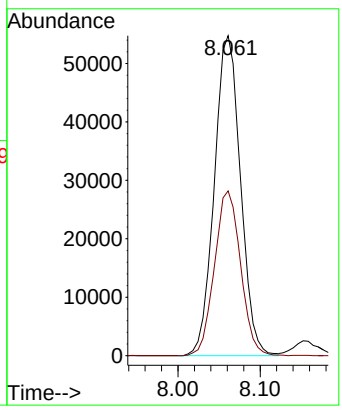




#33
1,2-Dichloroethane-d4
Concen: 49.197 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 65 Resp: 12101

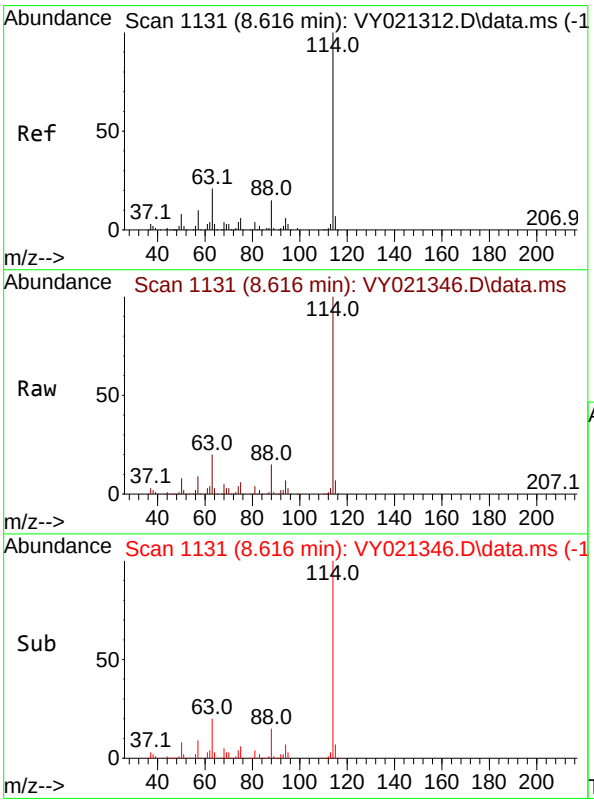
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

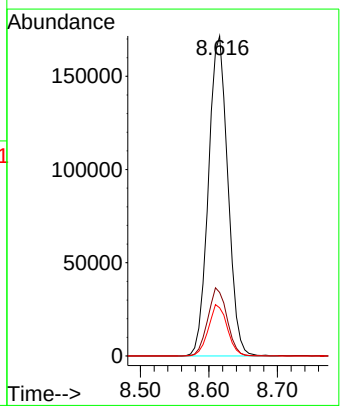
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

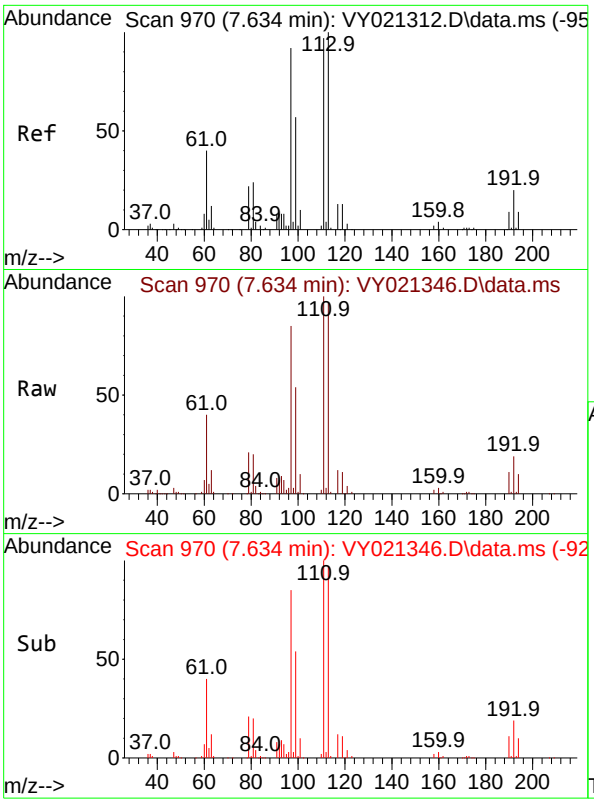


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:114 Resp: 336652

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	42.2
88	15.0	0.0	29.8

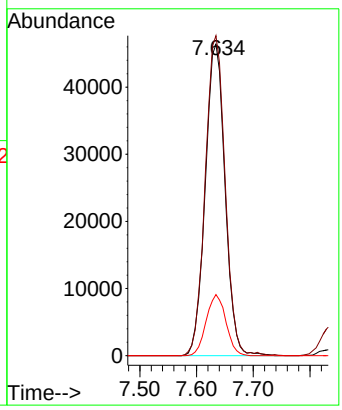




#35
Dibromofluoromethane
Concen: 50.916 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:113 Resp: 11237

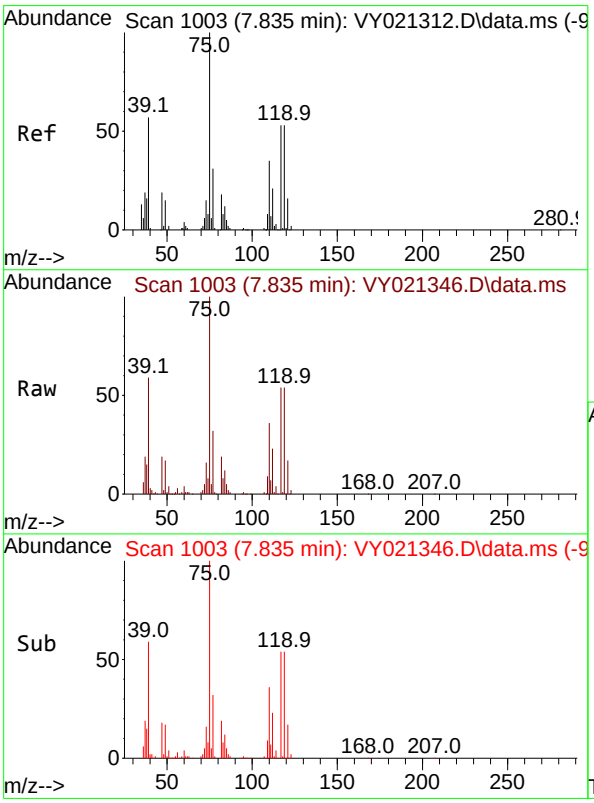
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.0	121.6
192	19.5	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

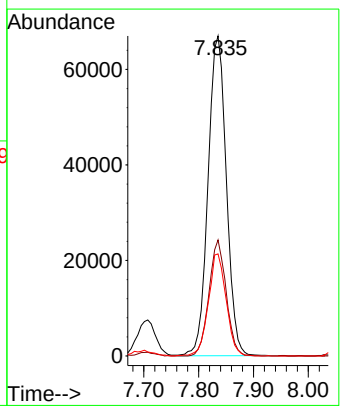
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

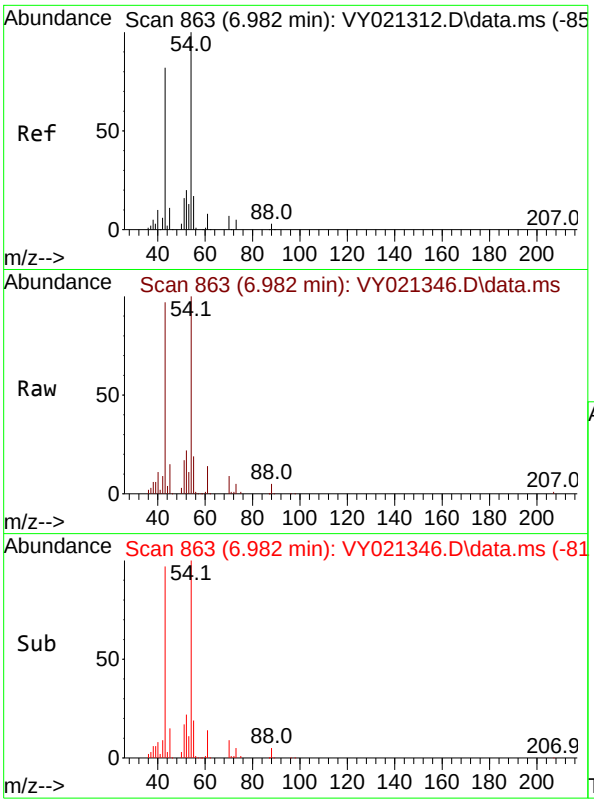


#36
1,1-Dichloropropene
Concen: 46.810 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 75 Resp: 155190

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.9	50.7
77	31.0	24.6	36.8

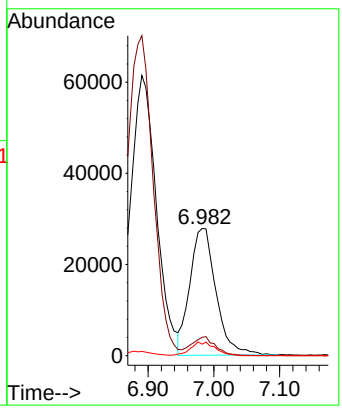




#37
Ethyl Acetate
Concen: 46.614 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 43 Resp: 7687

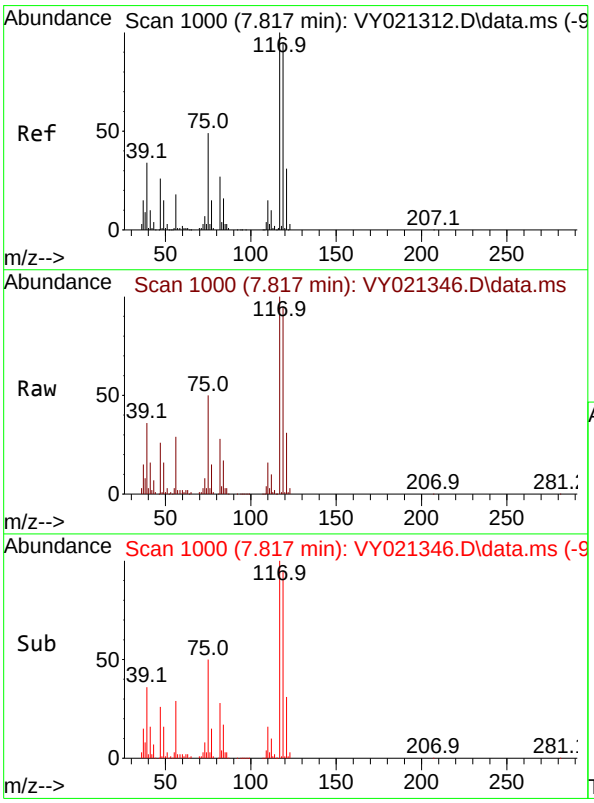
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	10.1	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

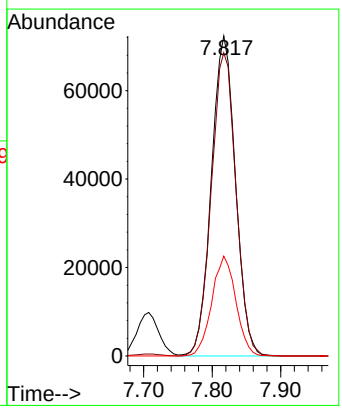
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

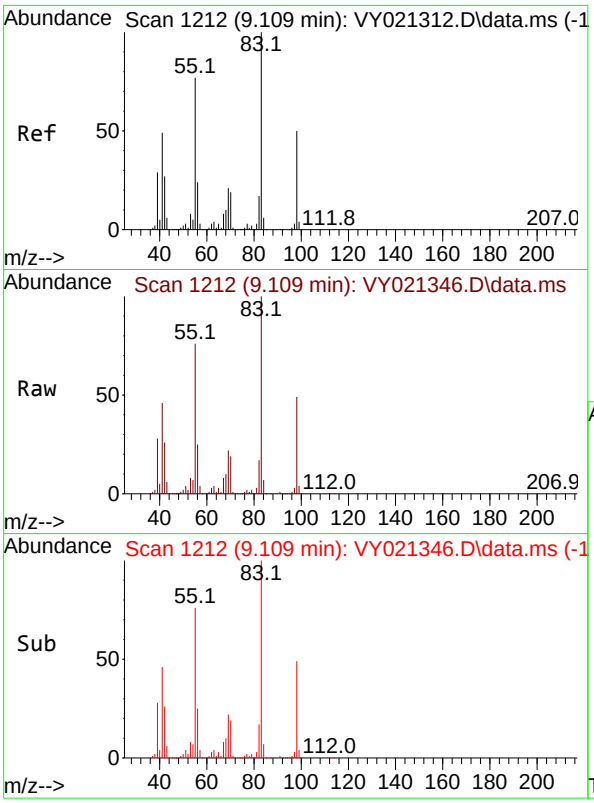


#38
Carbon Tetrachloride
Concen: 47.372 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:117 Resp: 176563

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.0	114.0
121	31.2	24.9	37.3





#39
Methylcyclohexane
Concen: 45.621 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

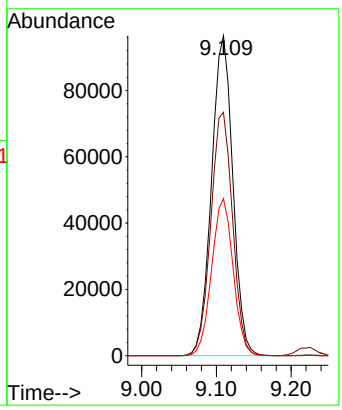
Tgt Ion: 83 Resp: 19130

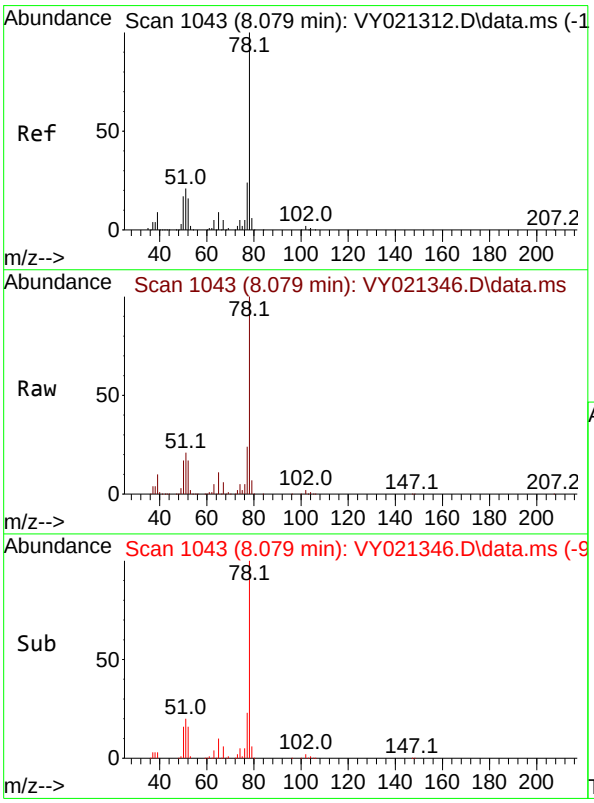
Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.3	91.9
98	49.1	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

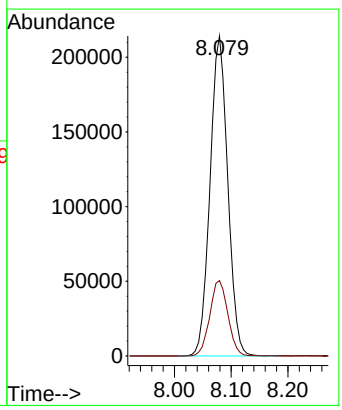


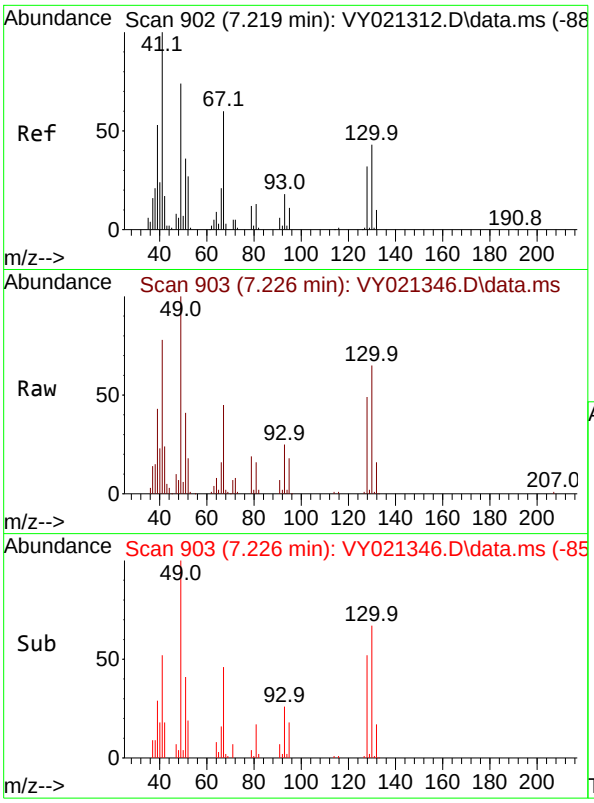


#40
Benzene
Concen: 47.451 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 78 Resp: 465038

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8

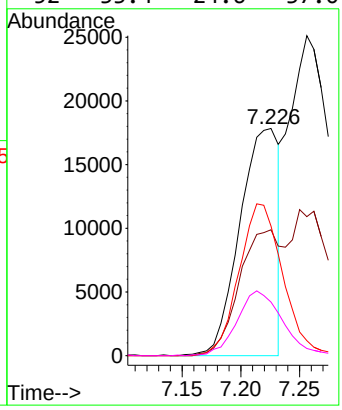




#41
Methacrylonitrile
Concen: 44.764 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 41 Resp: 4127

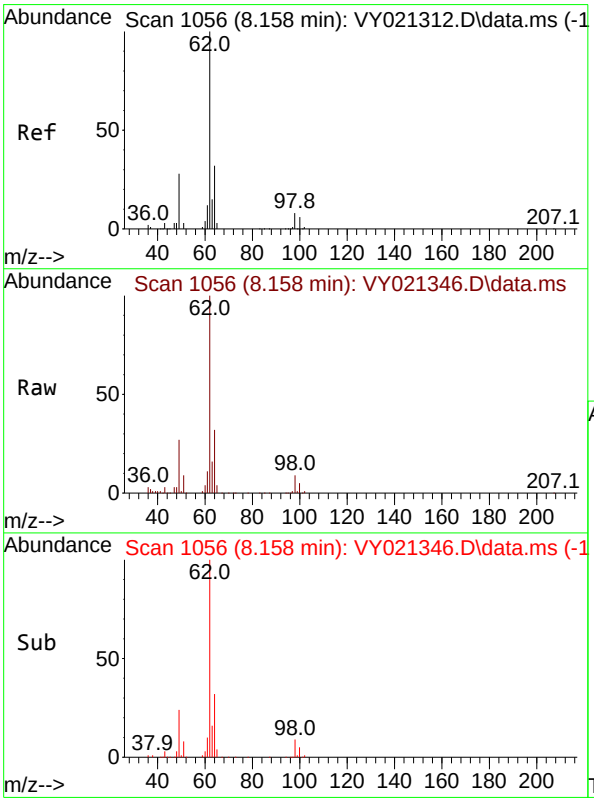
Ion	Ratio	Lower	Upper
41	100		
39	62.9	42.3	63.5
67	74.7	54.8	82.2
52	33.4	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

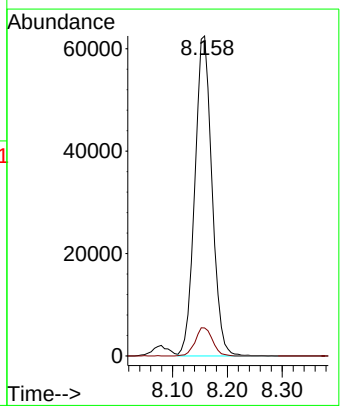
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

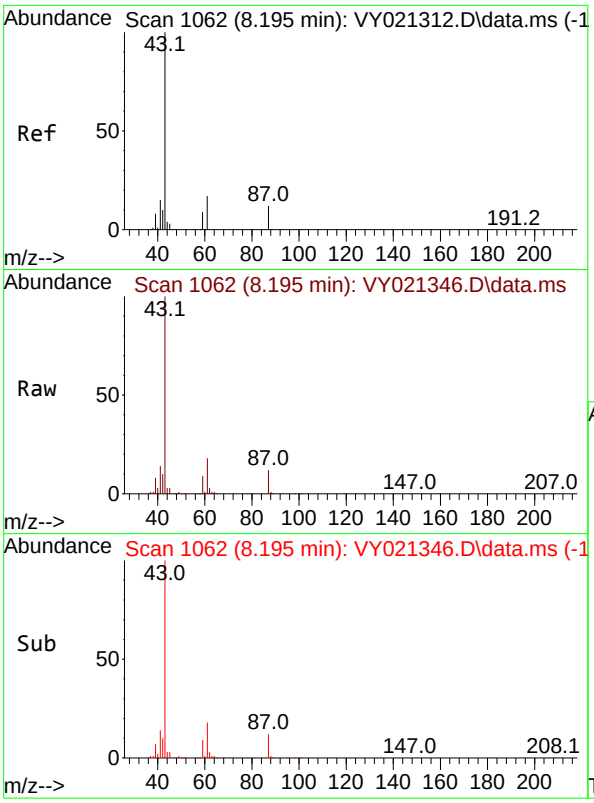


#42
1,2-Dichloroethane
Concen: 48.834 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 62 Resp: 135785

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6

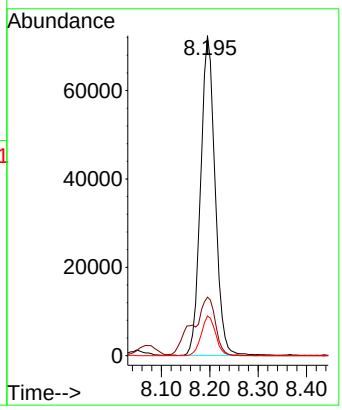




#43
Isopropyl Acetate
Concen: 47.110 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 43 Resp: 15037

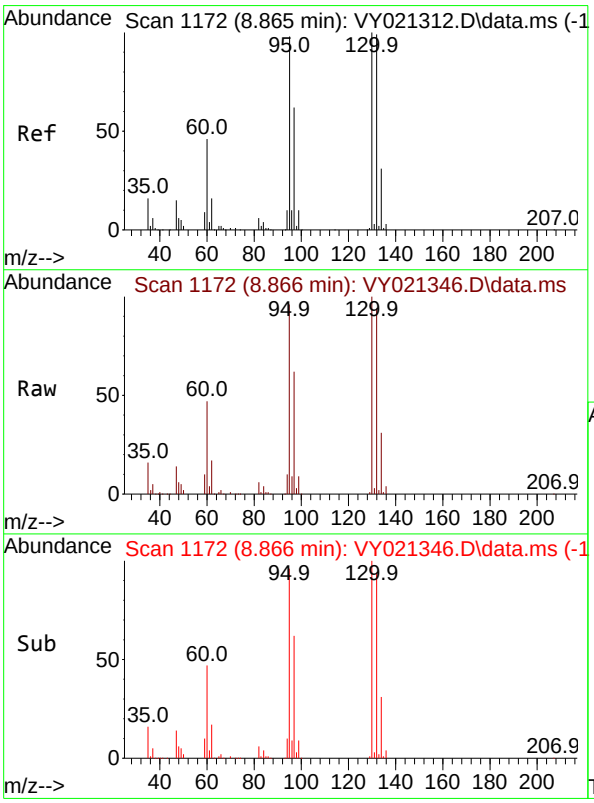
Ion	Ratio	Lower	Upper
43	100		
61	28.8	15.0	22.6
87	12.3	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

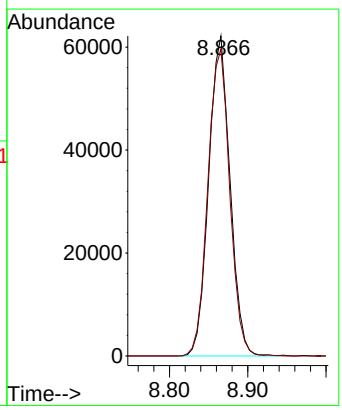
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

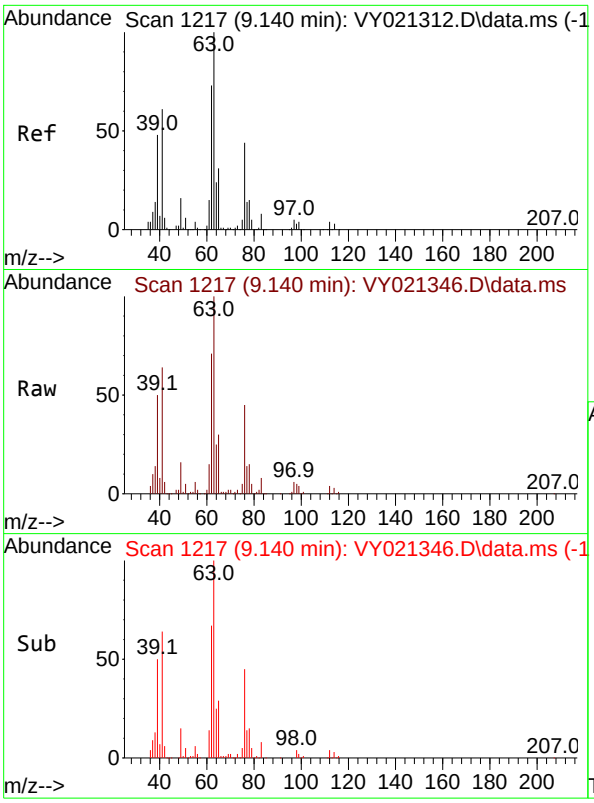


#44
Trichloroethene
Concen: 47.977 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:130 Resp: 117718

Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	196.0

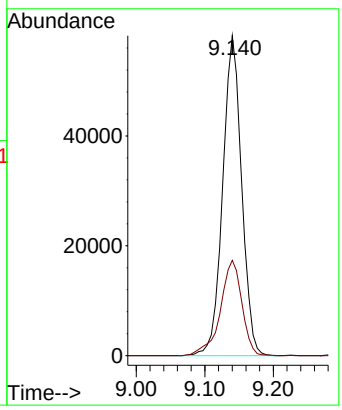




#45
1,2-Dichloropropane
Concen: 47.258 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 63 Resp: 11145

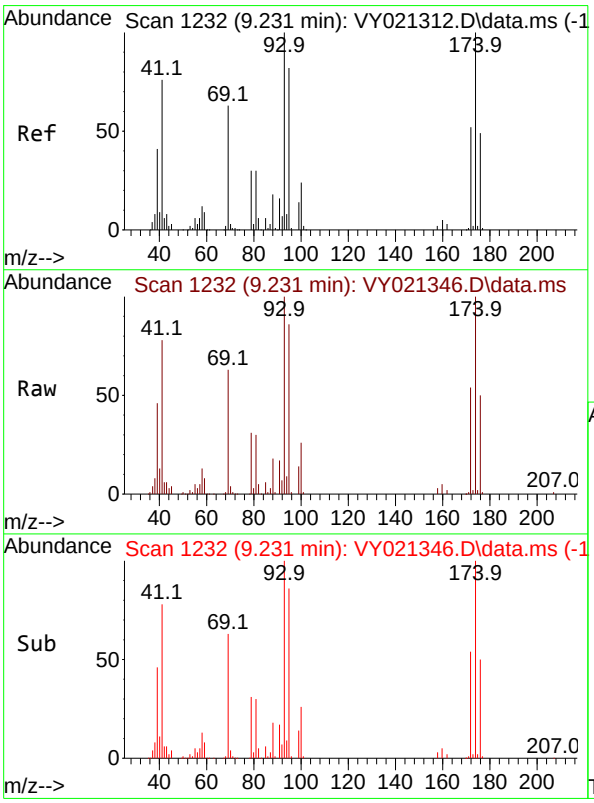
Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

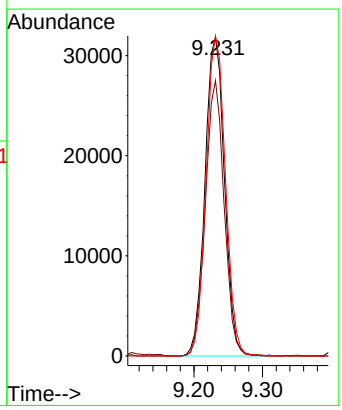
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

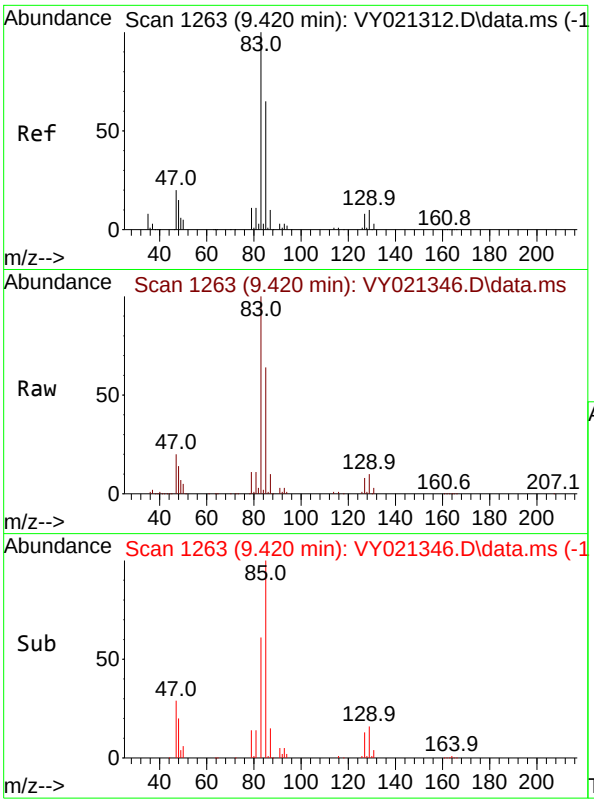


#46
Dibromomethane
Concen: 48.866 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 93 Resp: 62998

Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.4	99.6
174	99.6	78.2	117.2

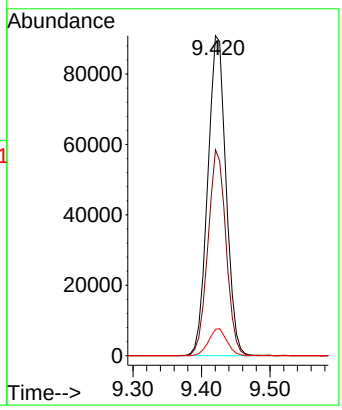




#47
Bromodichloromethane
Concen: 49.049 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 83 Resp: 16860

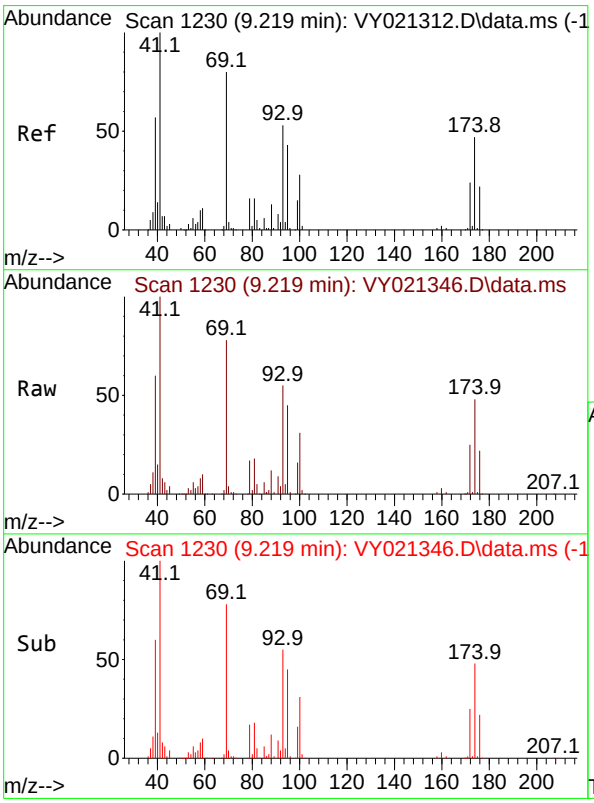
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8
127	8.3	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

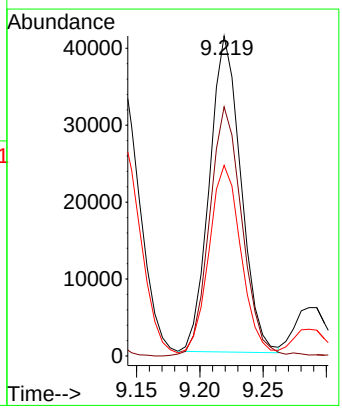
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

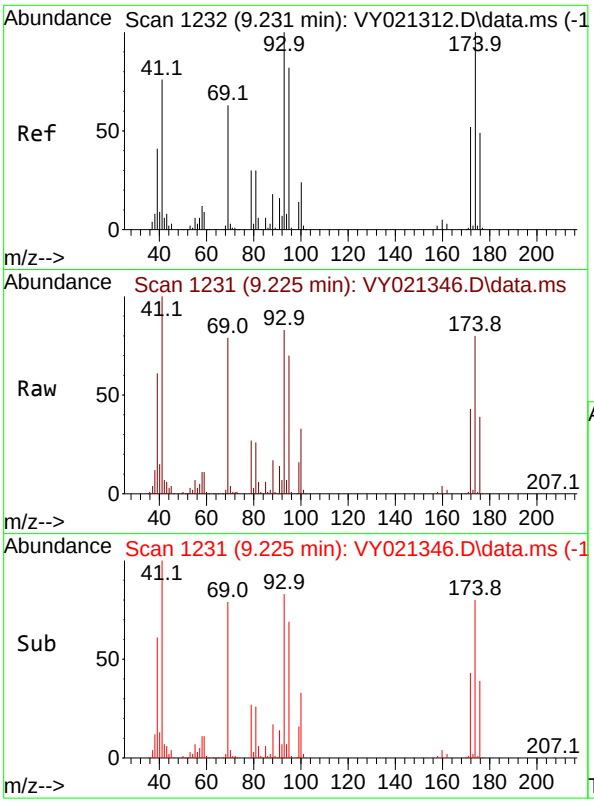


#48
Methyl methacrylate
Concen: 47.548 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 41 Resp: 70974

Ion	Ratio	Lower	Upper
41	100		
69	82.0	63.3	94.9
39	60.3	45.0	67.6

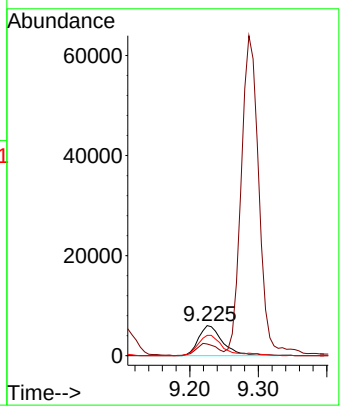




#49
1,4-Dioxane
Concen: 1034.825 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 88 Resp: 1483

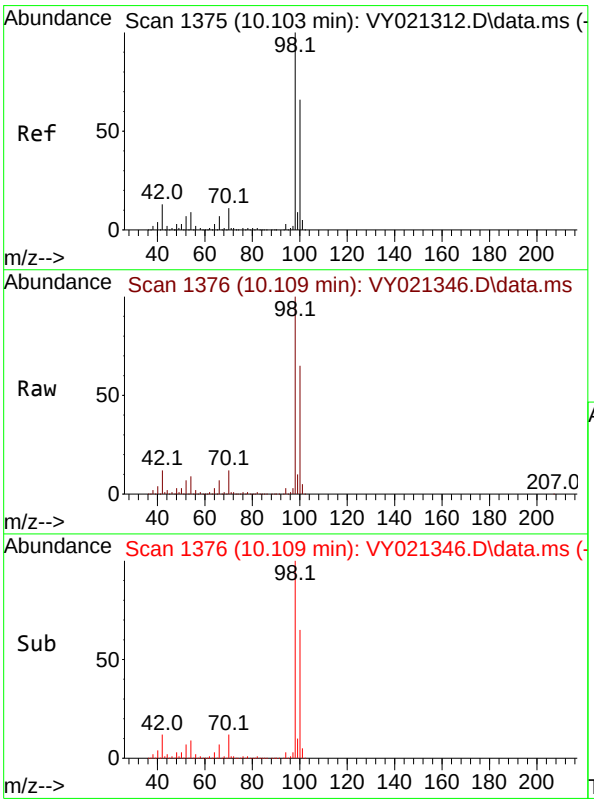
Ion	Ratio	Lower	Upper
88	100		
43	35.2	34.8	52.2
58	66.3	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

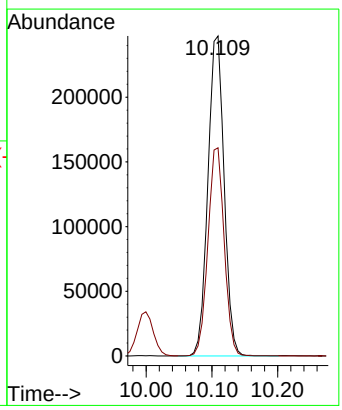
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

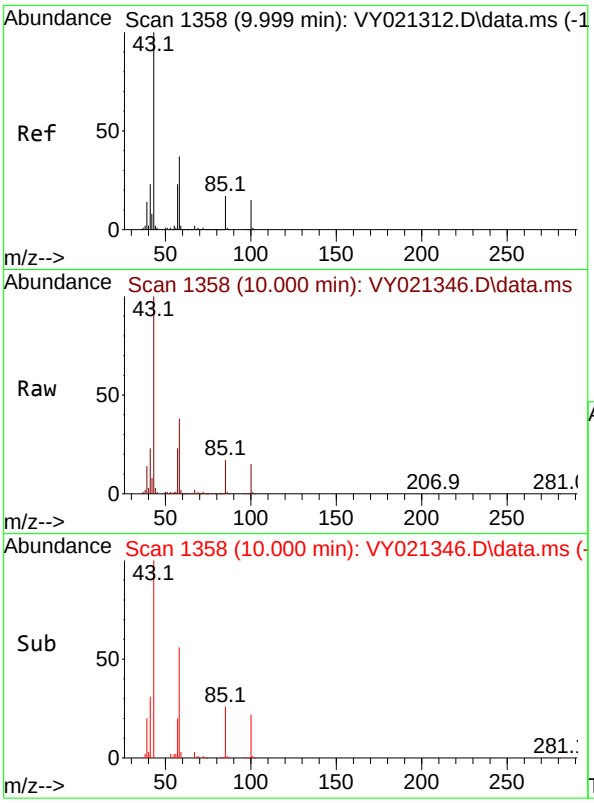


#50
Toluene-d8
Concen: 49.758 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 98 Resp: 424430

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6





#51
4-Methyl-2-Pentanone
Concen: 243.033 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

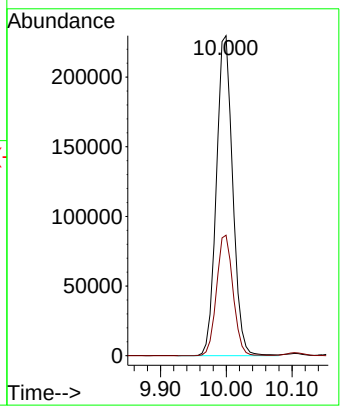
Tgt Ion: 43 Resp: 39711

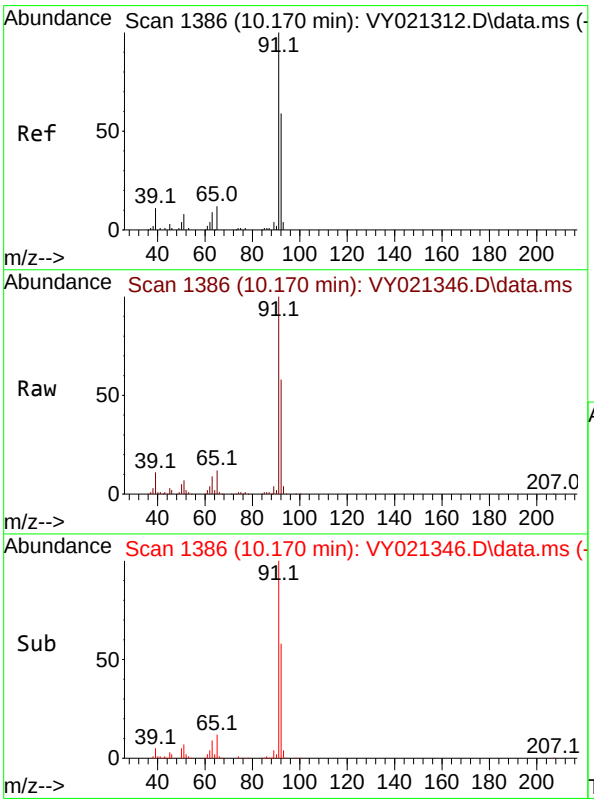
Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

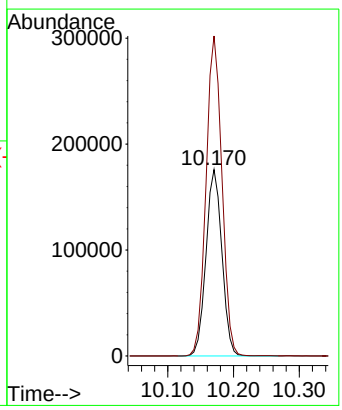


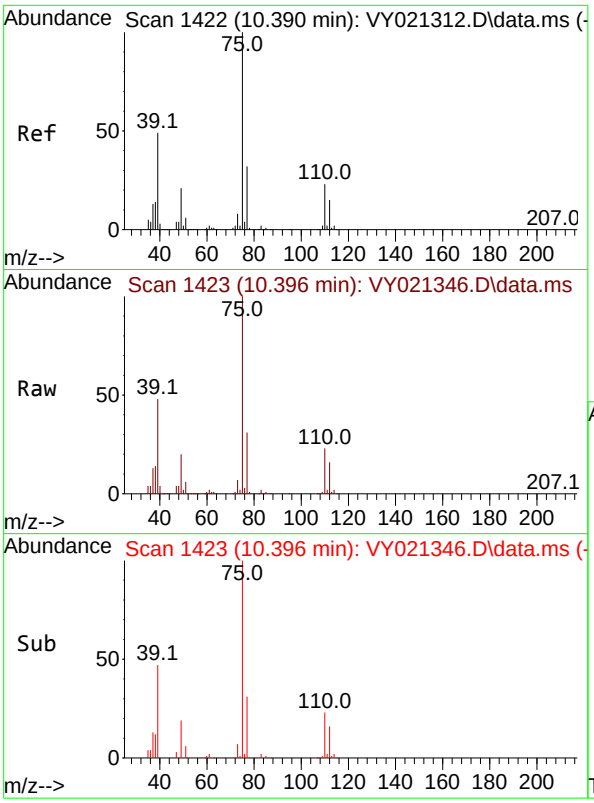


#52
Toluene
Concen: 48.531 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 92 Resp: 295469

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.8	206.8

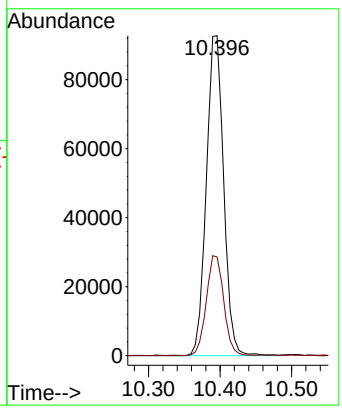




#53
t-1,3-Dichloropropene
Concen: 49.509 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 75 Resp: 15592

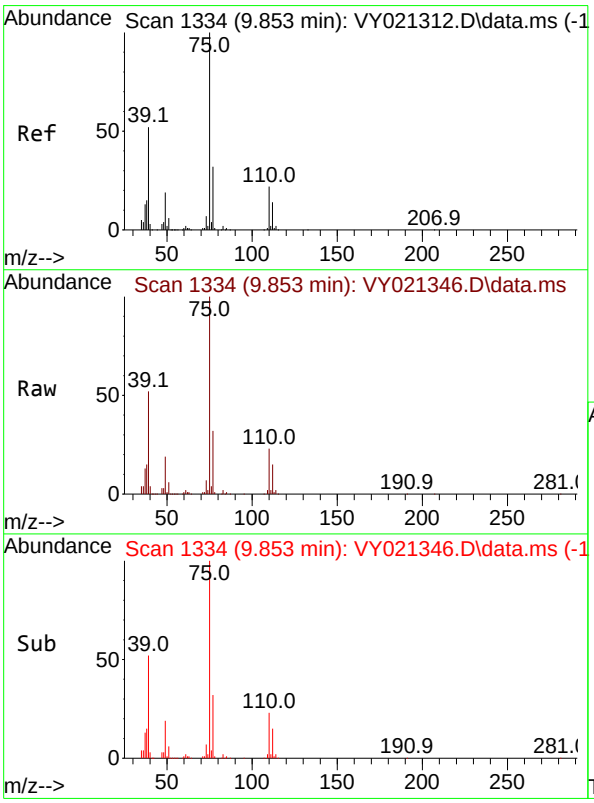
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

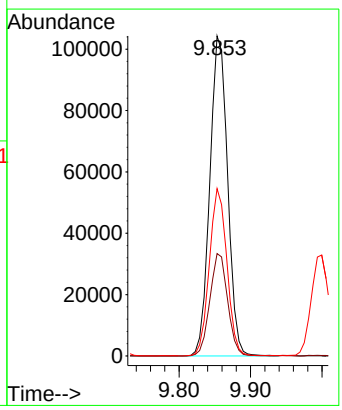
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

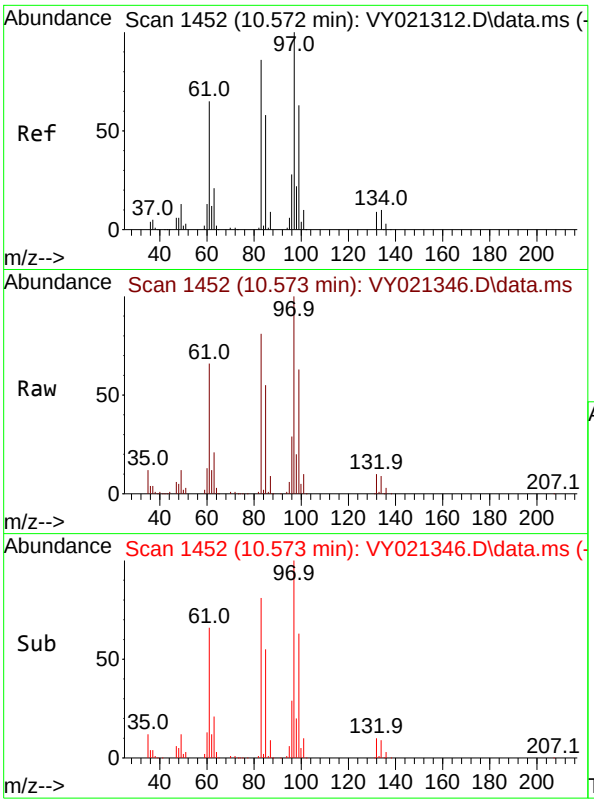


#54
cis-1,3-Dichloropropene
Concen: 48.471 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 75 Resp: 180216

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.7	38.5
39	52.3	41.8	62.6

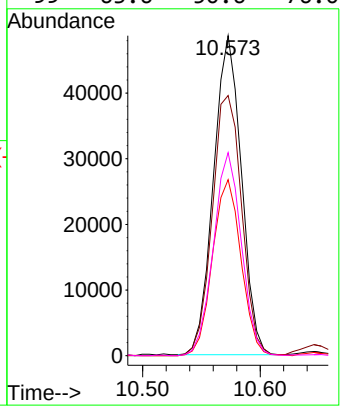




#55
1,1,2-Trichloroethane
Concen: 47.760 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 97 Resp: 8021

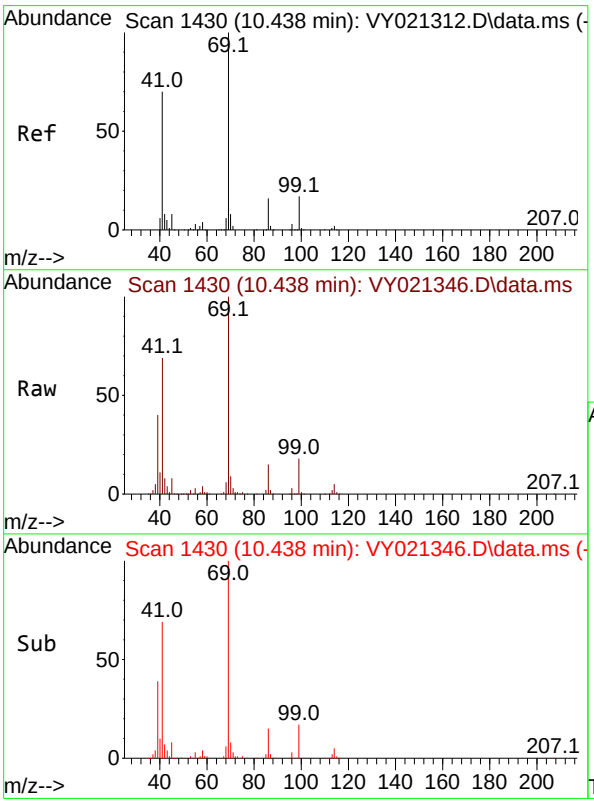
Ion	Ratio	Lower	Upper
97	100		
83	81.5	68.7	103.1
85	55.1	46.3	69.5
99	63.6	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

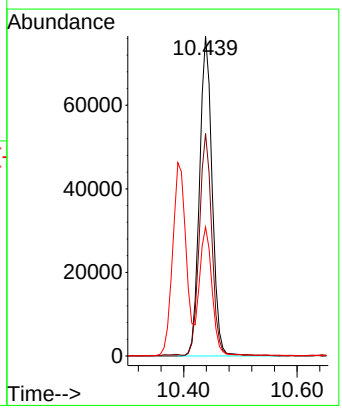
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

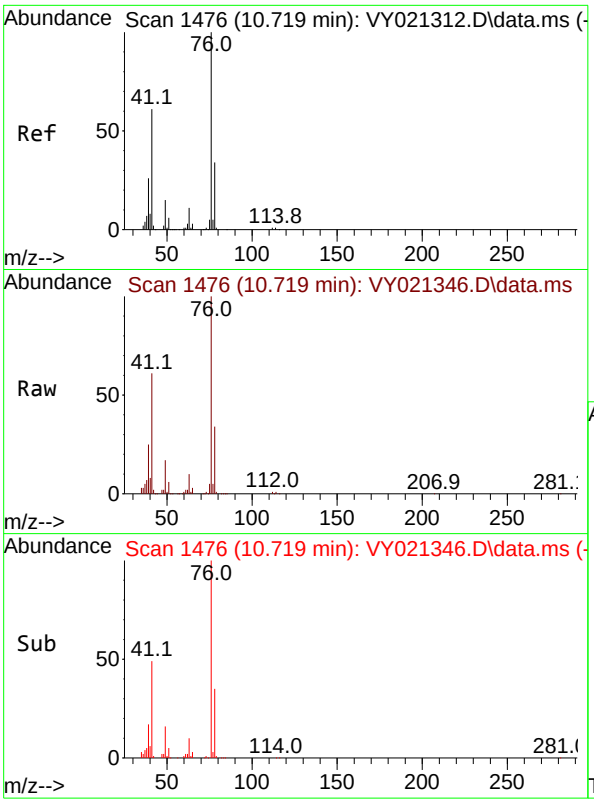


#56
Ethyl methacrylate
Concen: 51.042 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 69 Resp: 118449

Ion	Ratio	Lower	Upper
69	100		
41	68.3	56.2	84.4
39	38.5	32.7	49.1

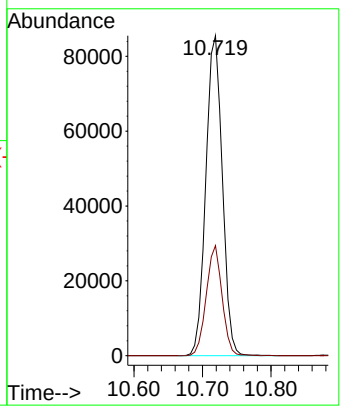




#57
1,3-Dichloropropane
Concen: 48.674 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 76 Resp: 14344

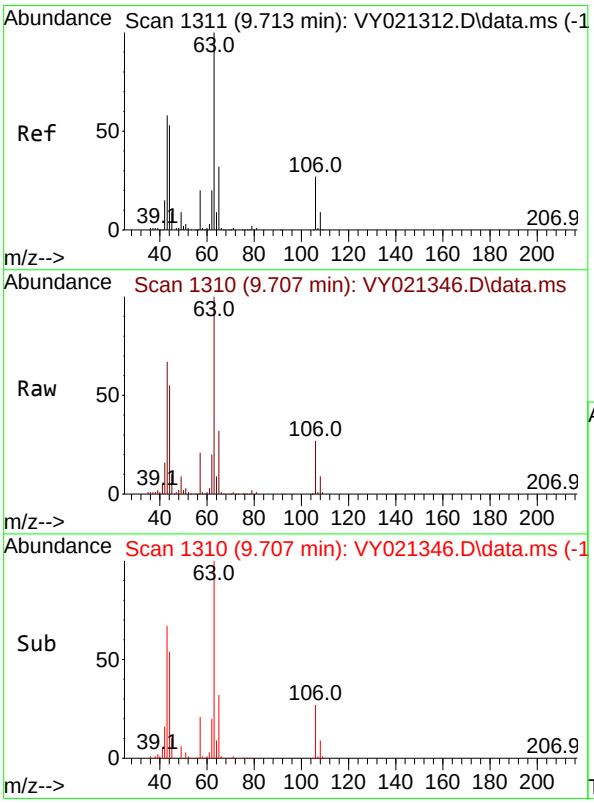
Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

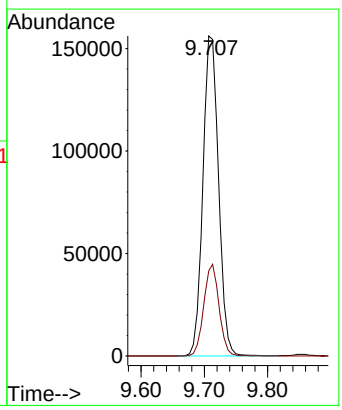
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

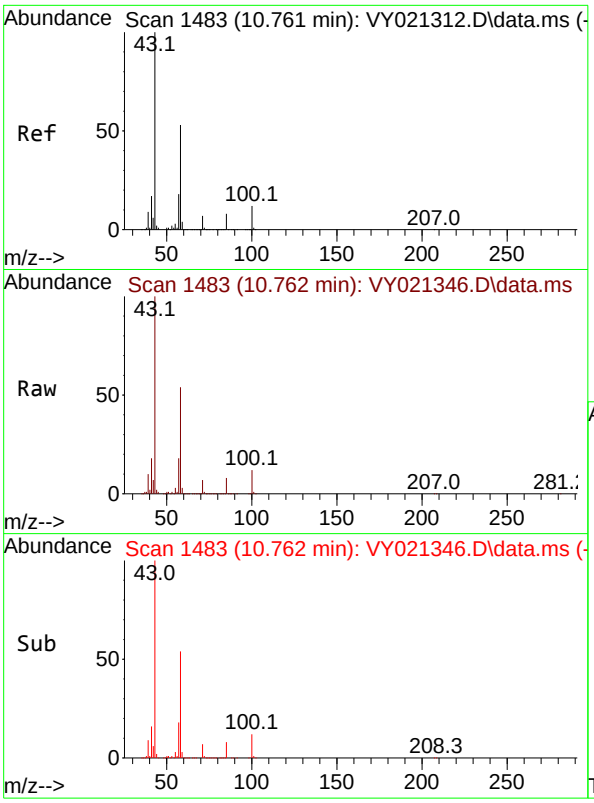


#58
2-Chloroethyl Vinyl ether
Concen: 241.429 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 63 Resp: 268918

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.7	32.5





#59
2-Hexanone
Concen: 246.484 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

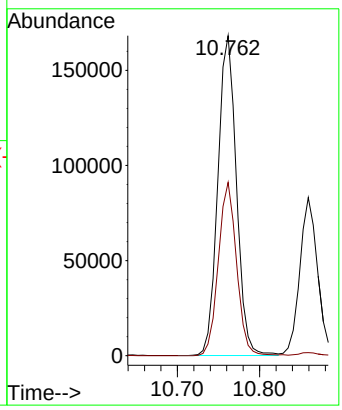
Tgt Ion: 43 Resp: 26450

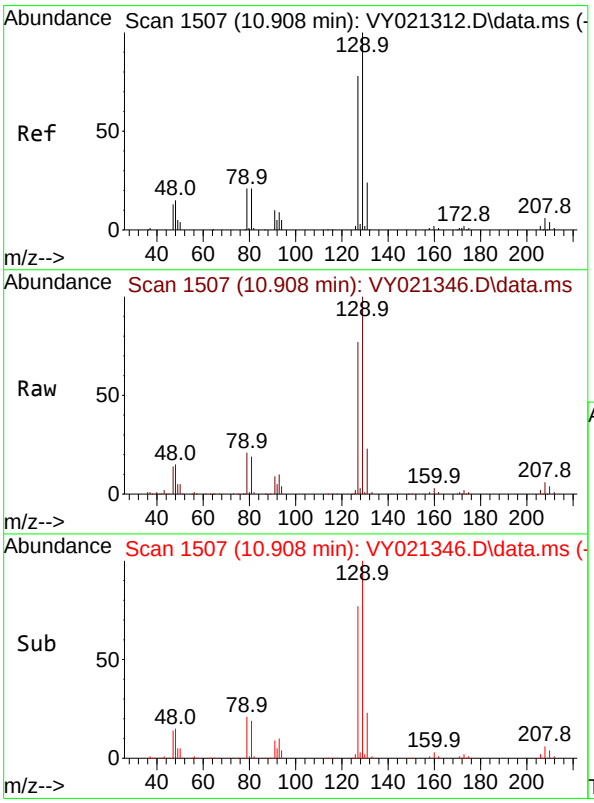
Ion	Ratio	Lower	Upper
43	100		
58	53.1	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

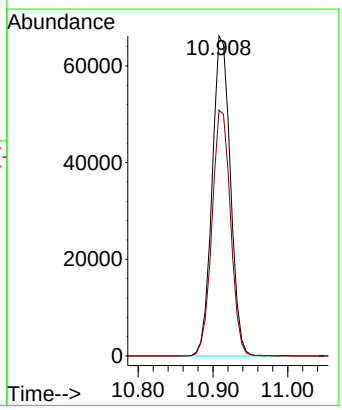


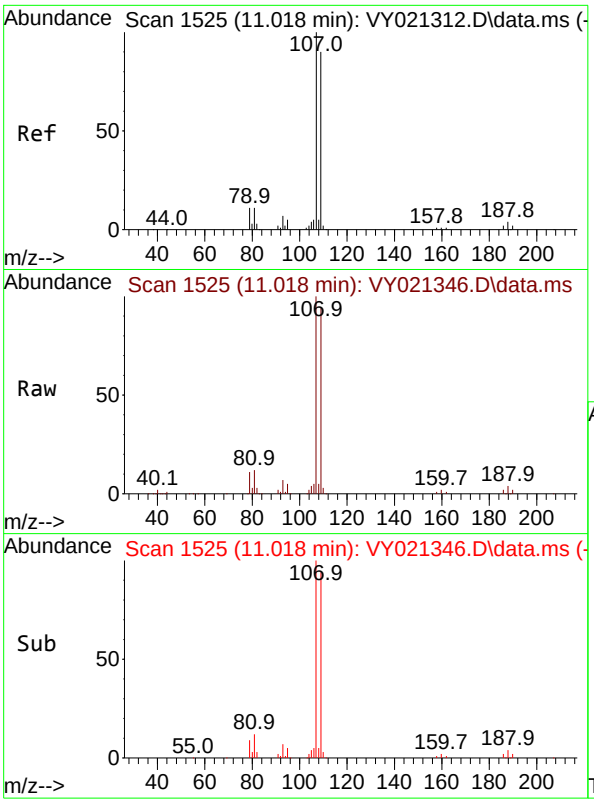


#60
Dibromochloromethane
Concen: 49.151 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:129 Resp: 112424

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.8	116.4

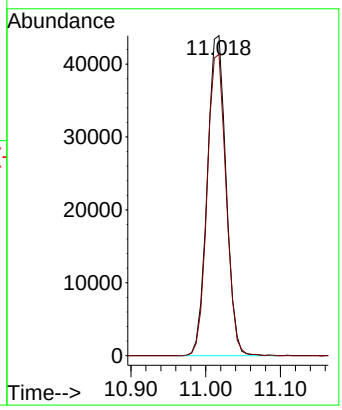




#61
1,2-Dibromoethane
Concen: 48.188 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:107 Resp: 7661

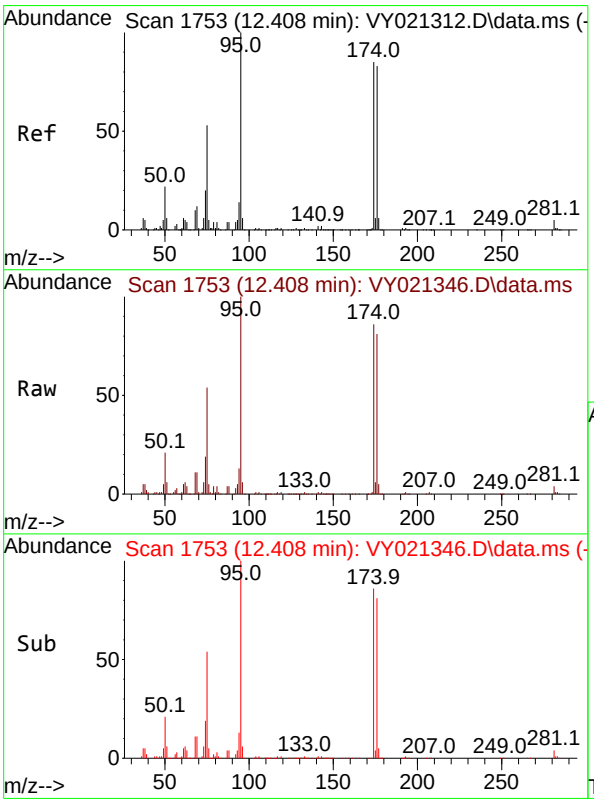
Ion	Ratio	Lower	Upper
107	100		
109	94.9	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

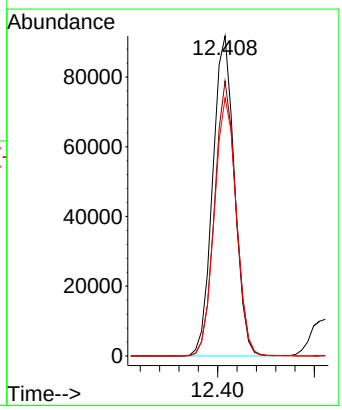
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

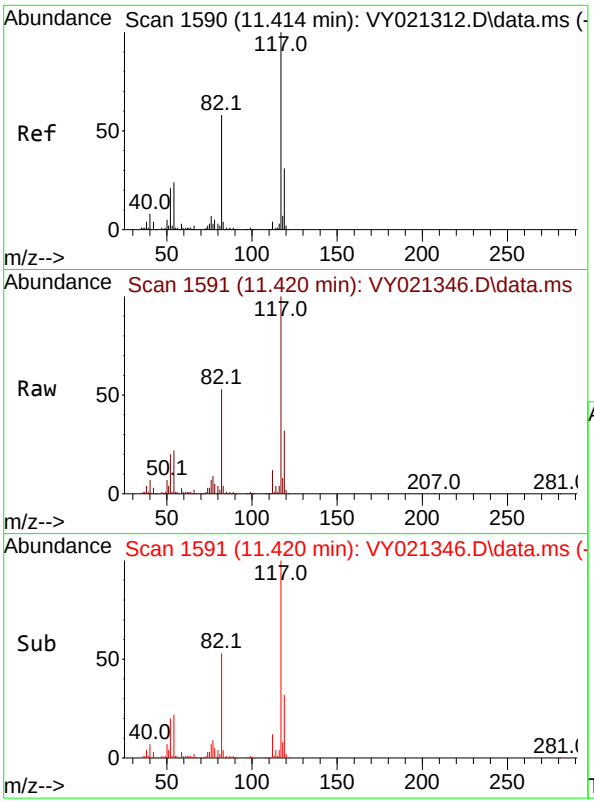


#62
4-Bromofluorobenzene
Concen: 49.803 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 95 Resp: 142970

Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	168.0
176	81.6	0.0	162.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

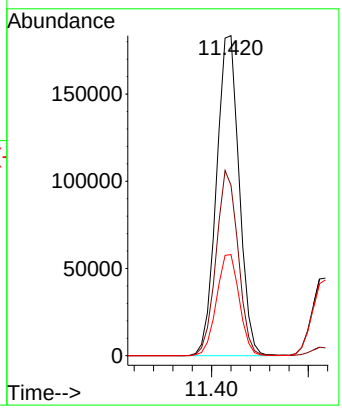
Tgt Ion:117 Resp: 29816

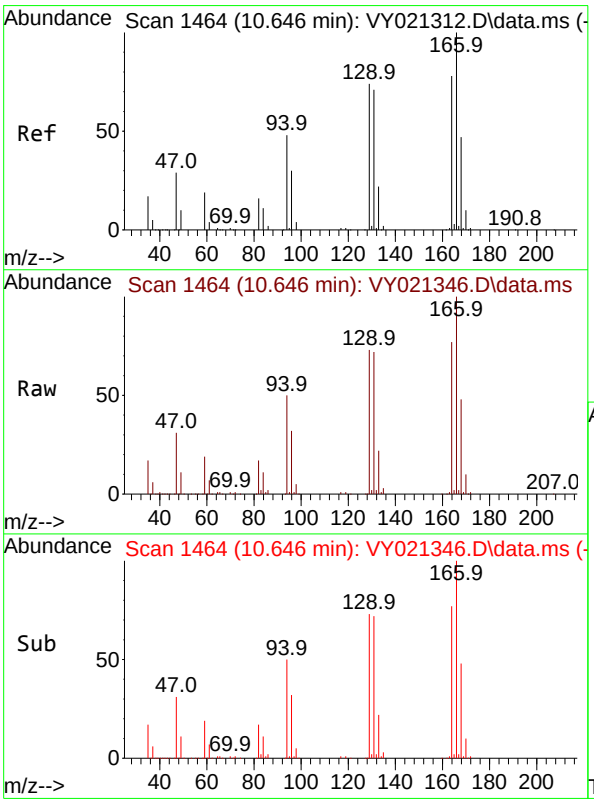
Ion	Ratio	Lower	Upper
117	100		
82	53.3	46.2	69.4
119	31.6	24.9	37.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

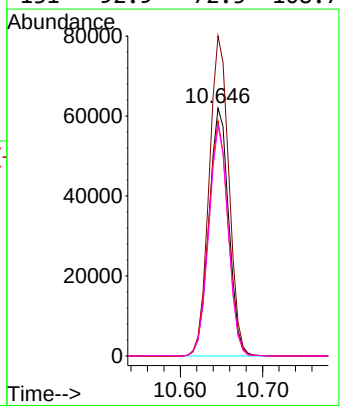


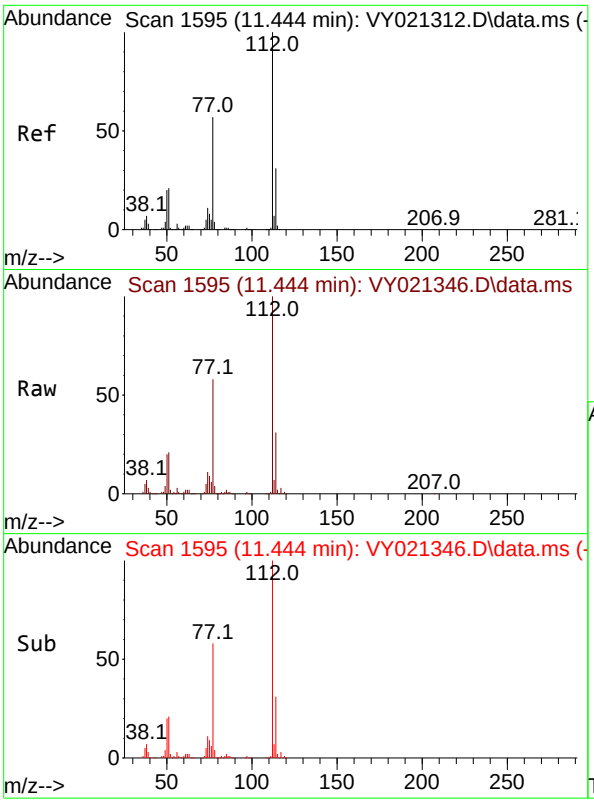


#64
Tetrachloroethene
Concen: 45.972 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:164 Resp: 103607

Ion	Ratio	Lower	Upper
164	100		
166	129.2	101.9	152.9
129	94.9	75.5	113.3
131	92.9	72.5	108.7

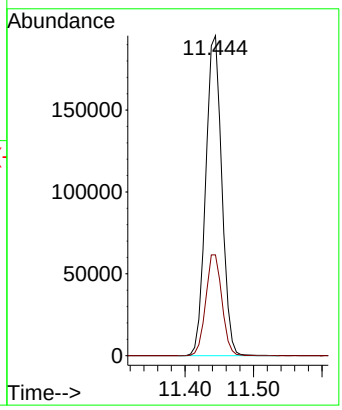




#65
Chlorobenzene
Concen: 47.611 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:112 Resp: 31866

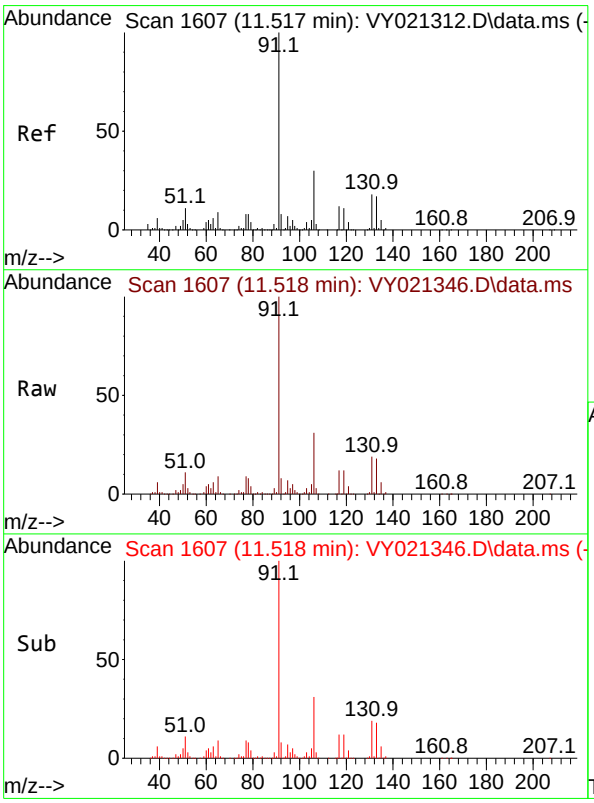
Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

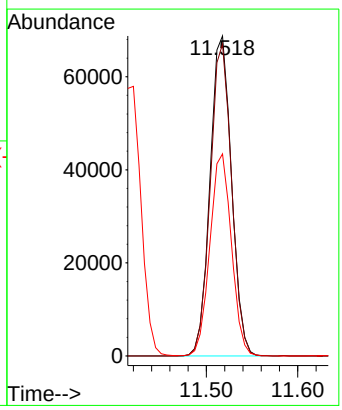
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

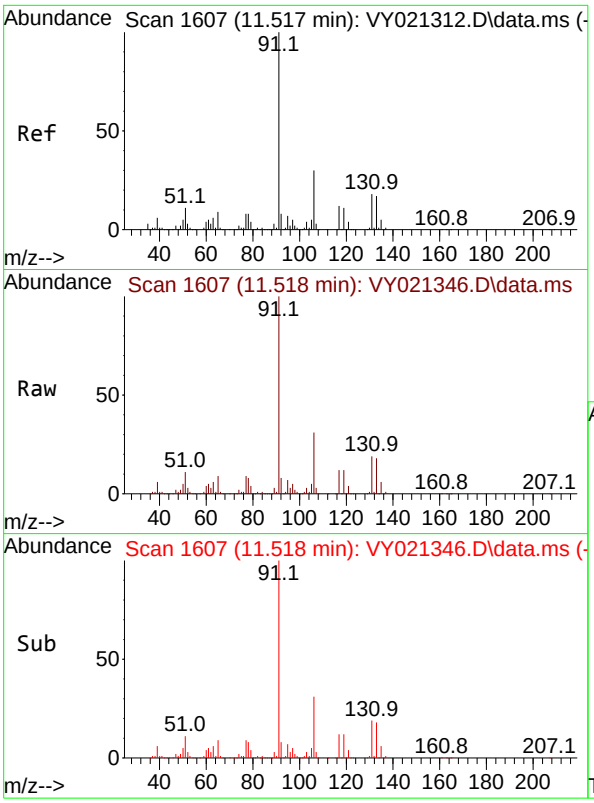


#66
1,1,1,2-Tetrachloroethane
Concen: 47.843 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:131 Resp: 112125

Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.9	143.6
119	63.4	31.7	95.1

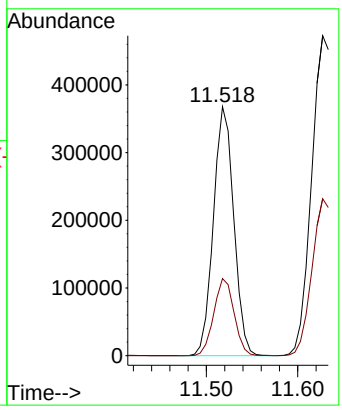




#67
Ethyl Benzene
Concen: 47.994 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 91 Resp: 5689

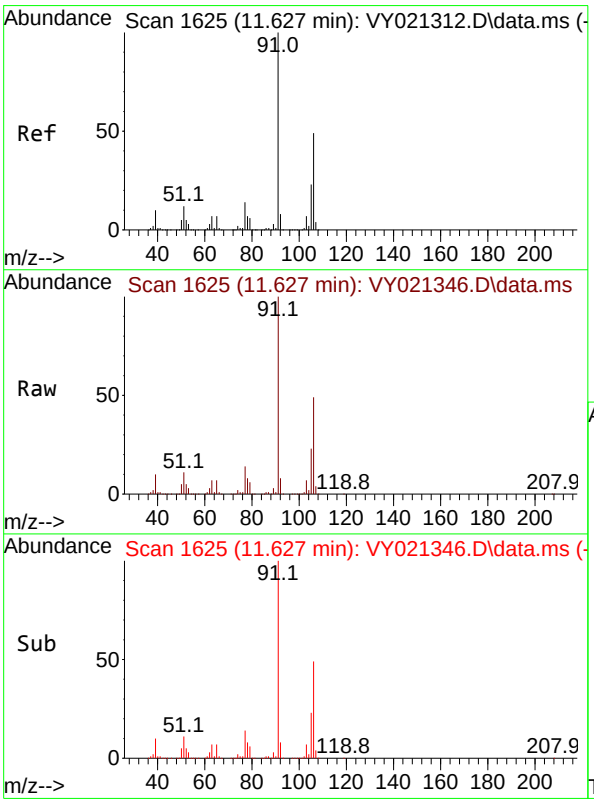
Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

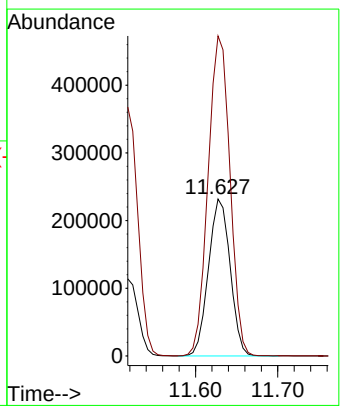
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

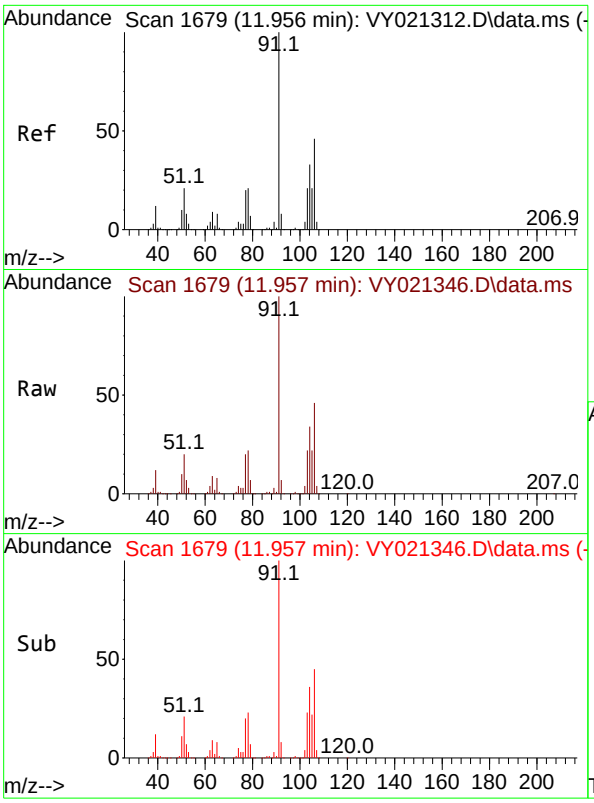


#68
m/p-Xylenes
Concen: 95.197 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:106 Resp: 424503

Ion	Ratio	Lower	Upper
106	100		
91	206.6	163.9	245.9





#69
o-Xylene
Concen: 48.118 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

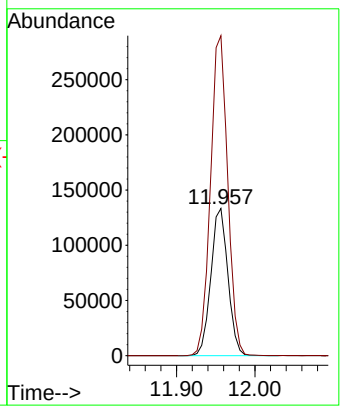
Tgt Ion:106 Resp: 20101

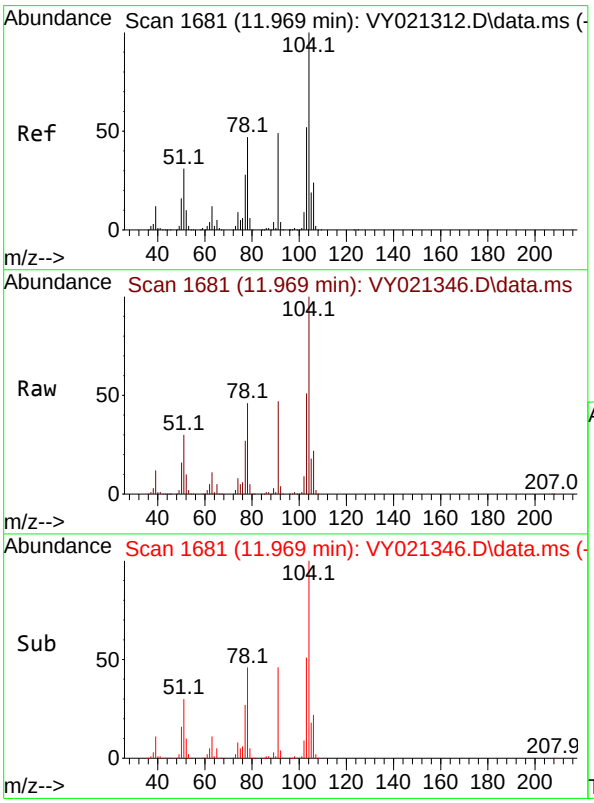
Ion	Ratio	Lower	Upper
106	100		
91	219.8	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

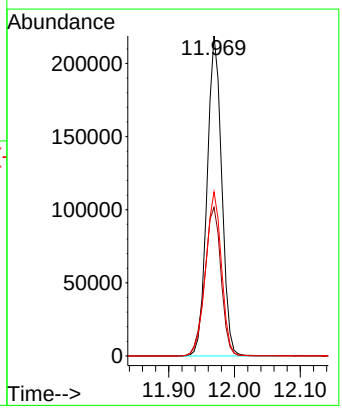


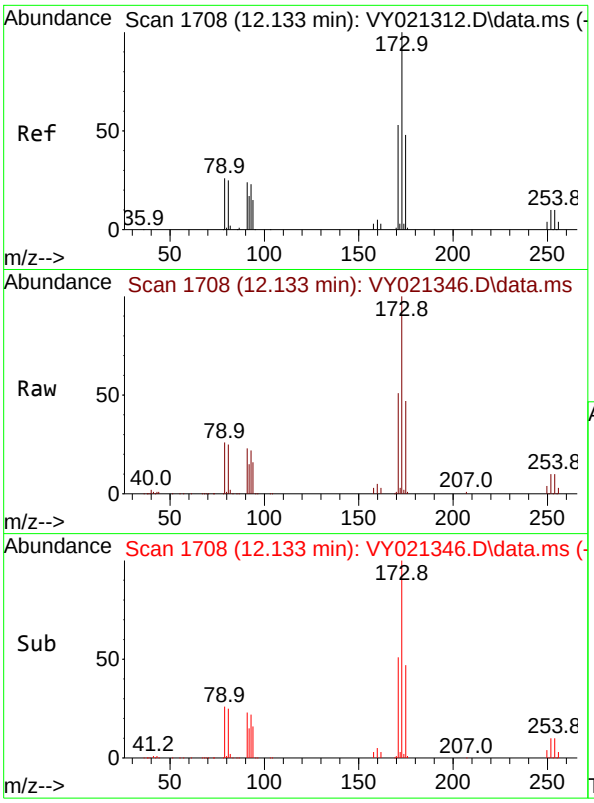


#70
Styrene
Concen: 48.749 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:104 Resp: 338828

Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.3	61.9
103	55.4	43.9	65.9

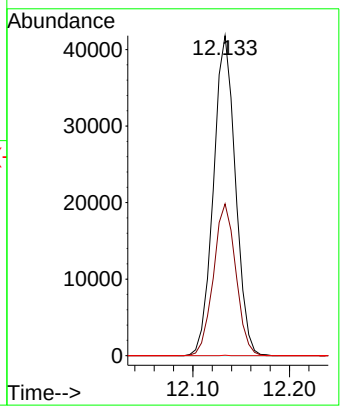




#71
Bromoform
Concen: 49.136 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:173 Resp: 6587

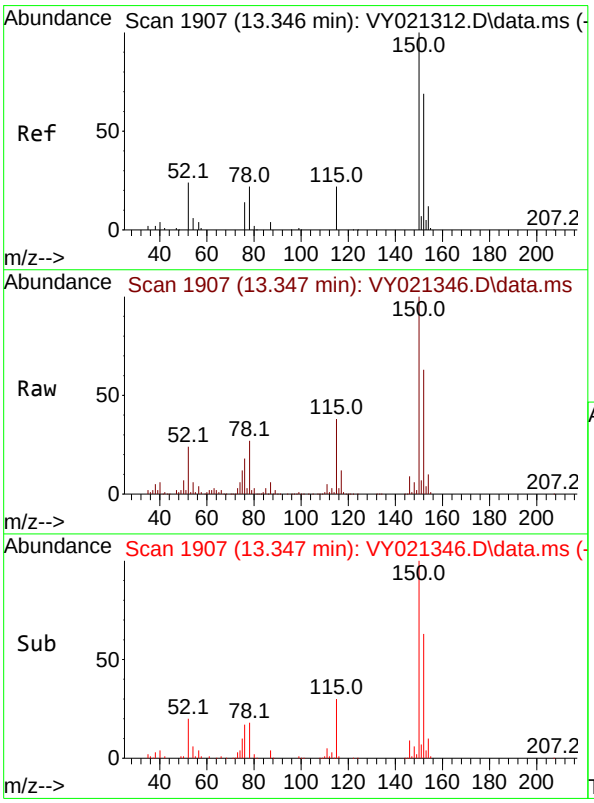
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

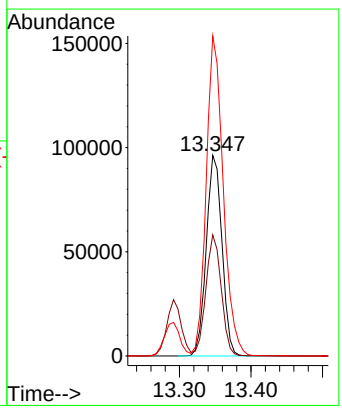
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

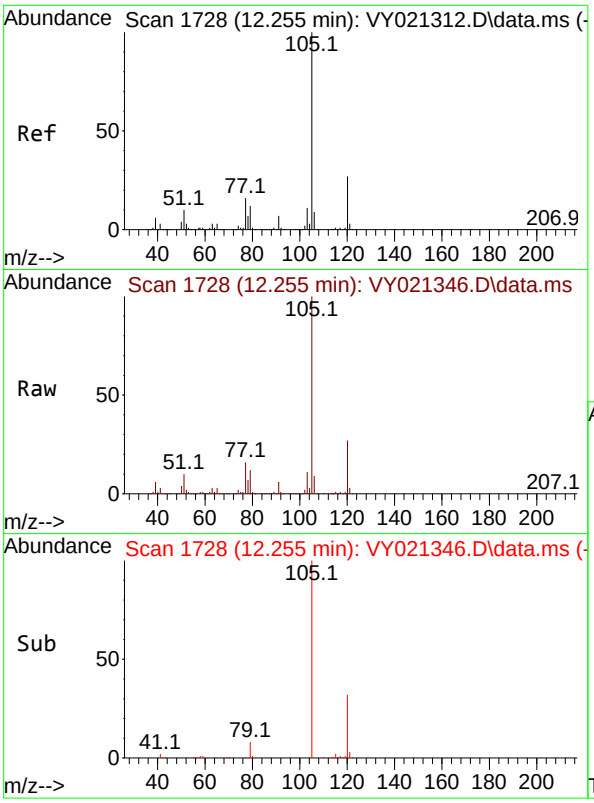


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:152 Resp: 146841

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	172.7	0.0	347.4

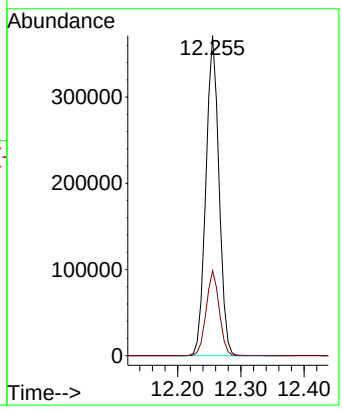




#73
Isopropylbenzene
Concen: 48.407 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:105 Resp: 53438

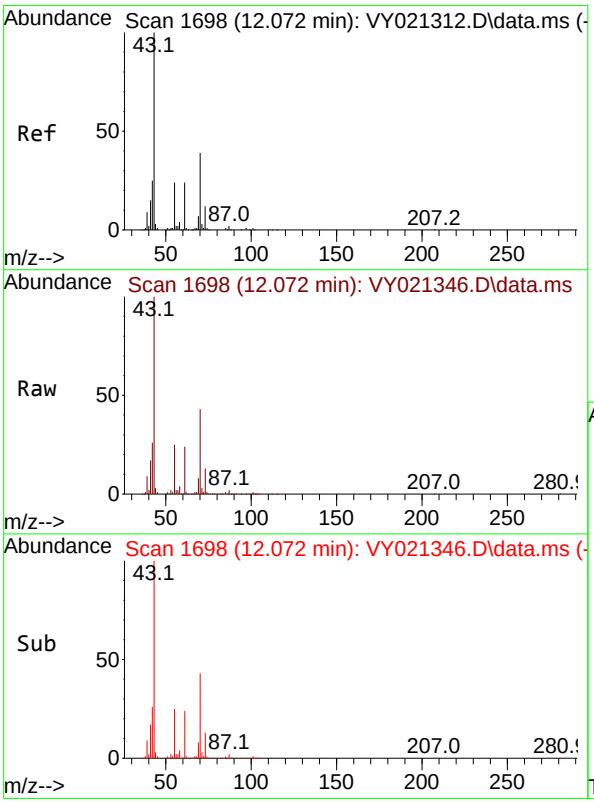
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

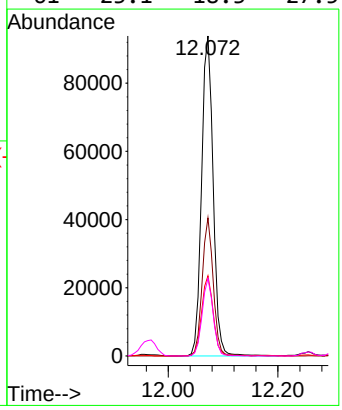
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

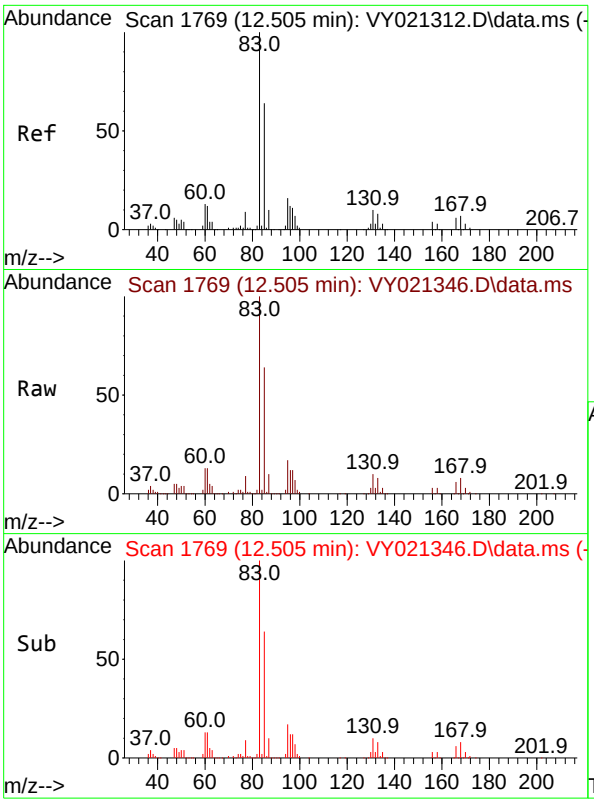


#74
N-amyl acetate
Concen: 49.139 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 43 Resp: 137883

Ion	Ratio	Lower	Upper
43	100		
70	41.0	32.2	48.2
55	25.0	19.6	29.4
61	23.1	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 48.104 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

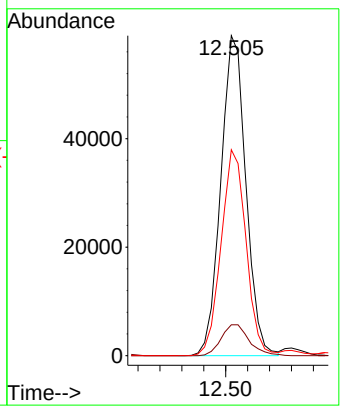
Tgt Ion: 83 Resp: 9372

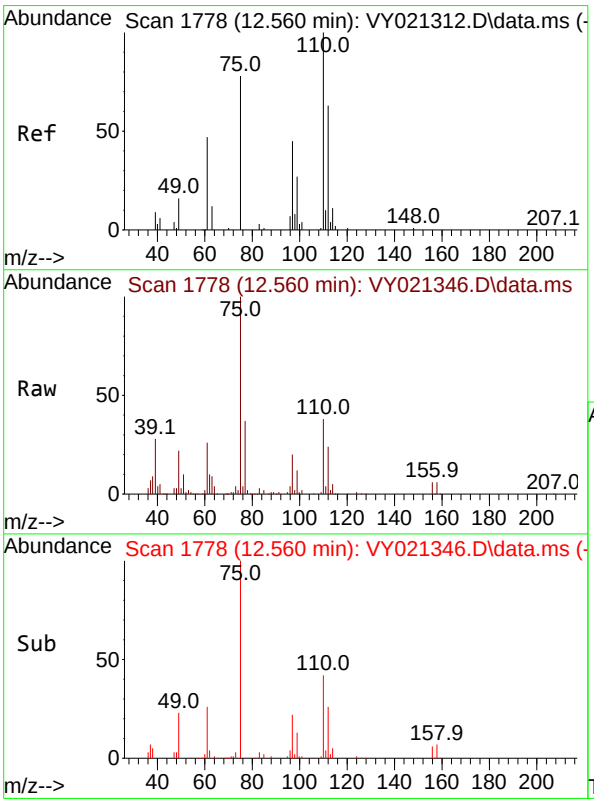
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	64.1	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

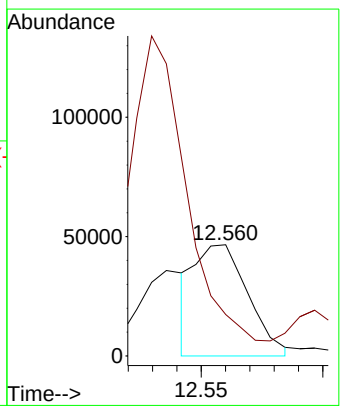


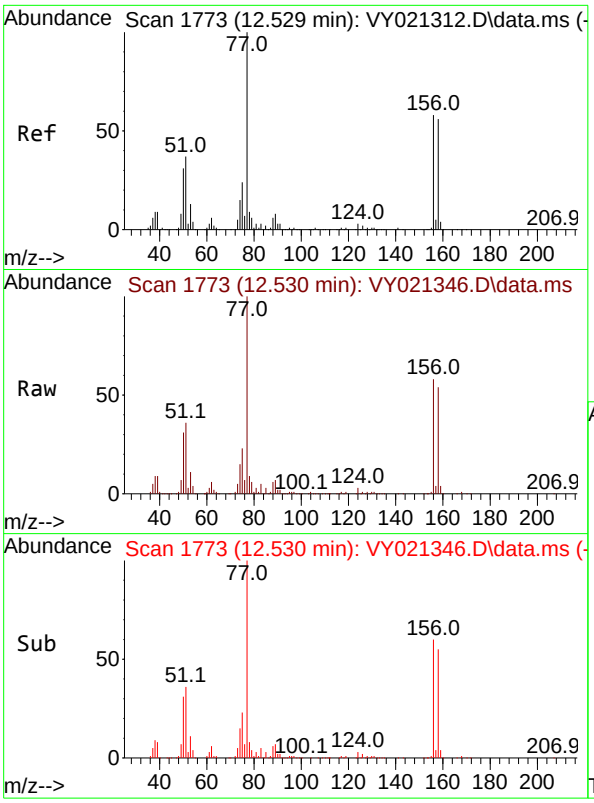


#76
1,2,3-Trichloropropane
Concen: 48.501 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 75 Resp: 71287

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

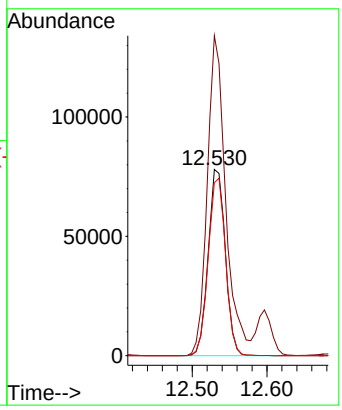




#77
Bromobenzene
Concen: 48.465 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:156 Resp: 12444

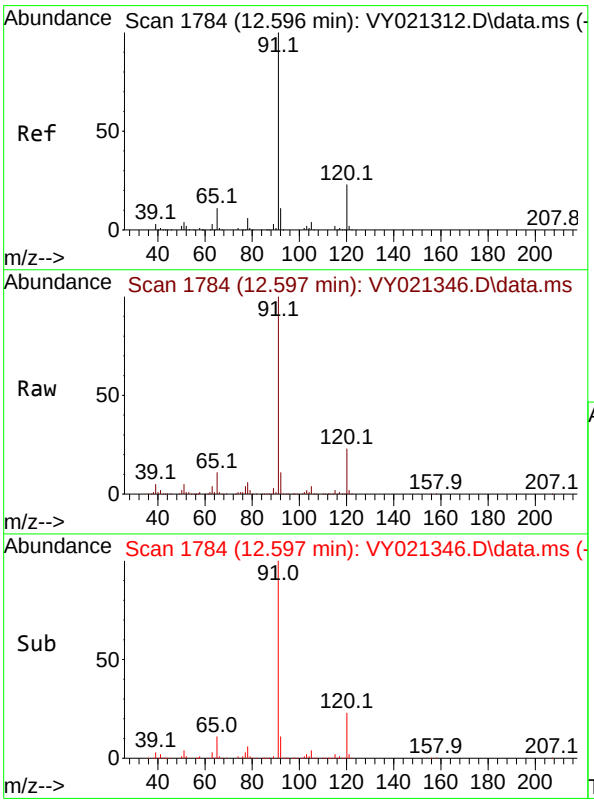
Ion	Ratio	Lower	Upper
156	100		
77	185.1	94.0	282.1
158	96.5	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

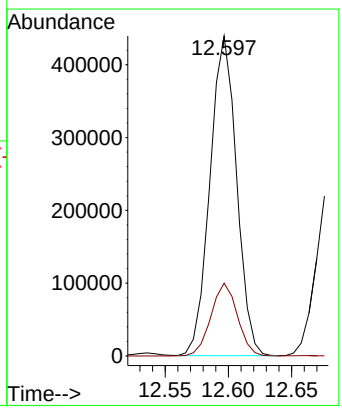
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

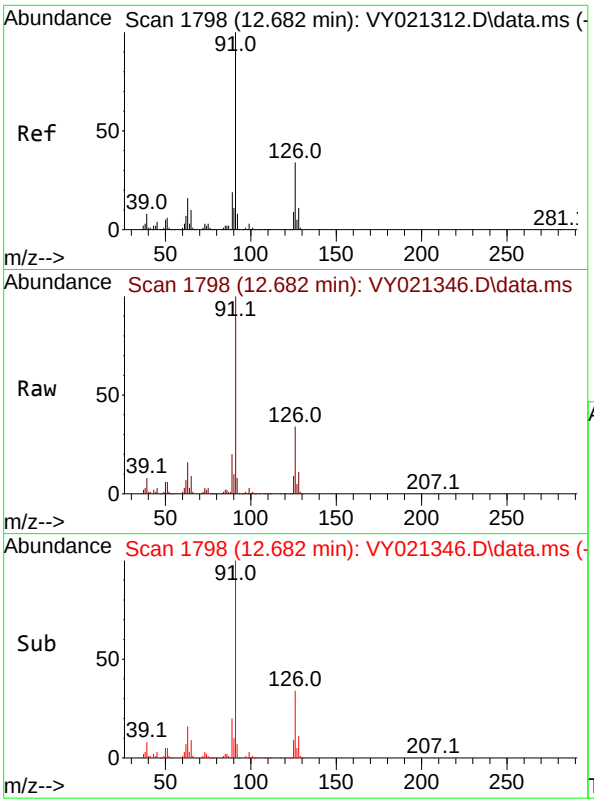


#78
n-propylbenzene
Concen: 48.033 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 91 Resp: 643447

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5





#79
2-Chlorotoluene
Concen: 47.609 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

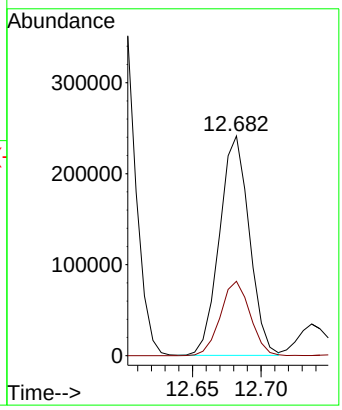
Tgt Ion: 91 Resp: 36601

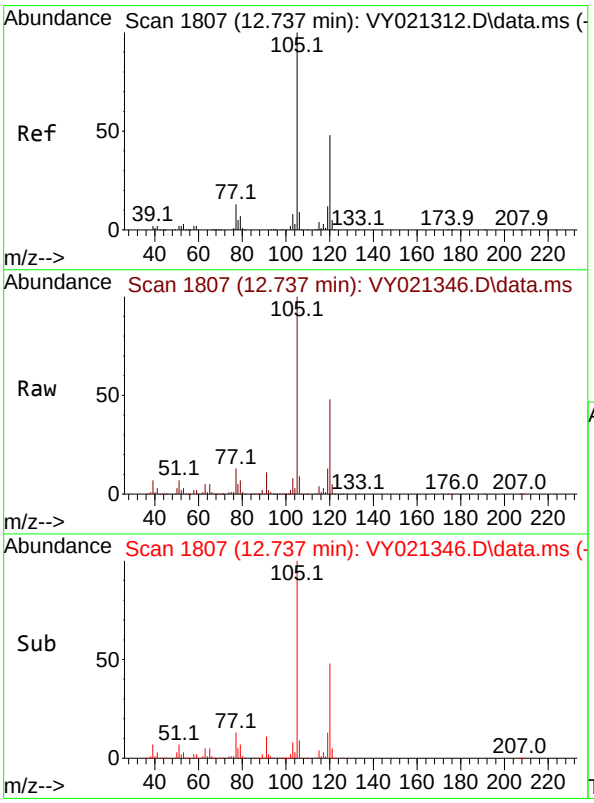
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

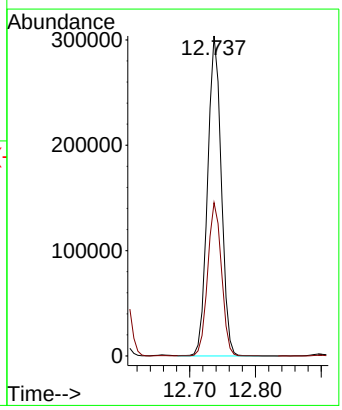


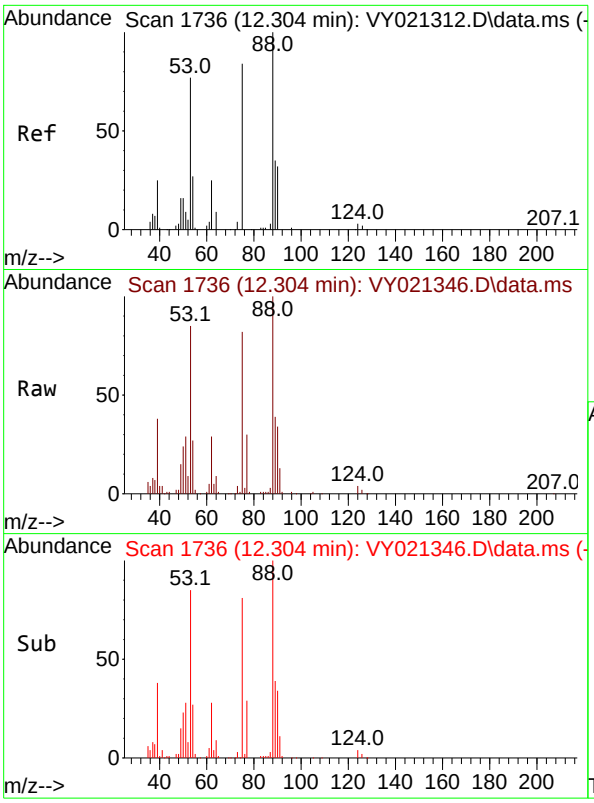


#80
1,3,5-Trimethylbenzene
Concen: 48.538 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:105 Resp: 439469

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 48.545 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

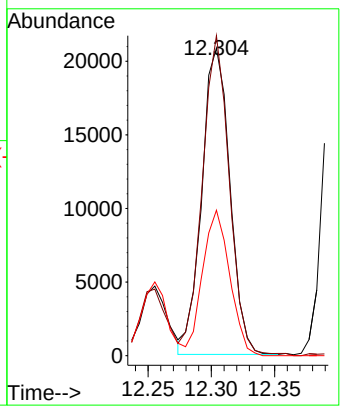
Tgt Ion: 75 Resp: 3210

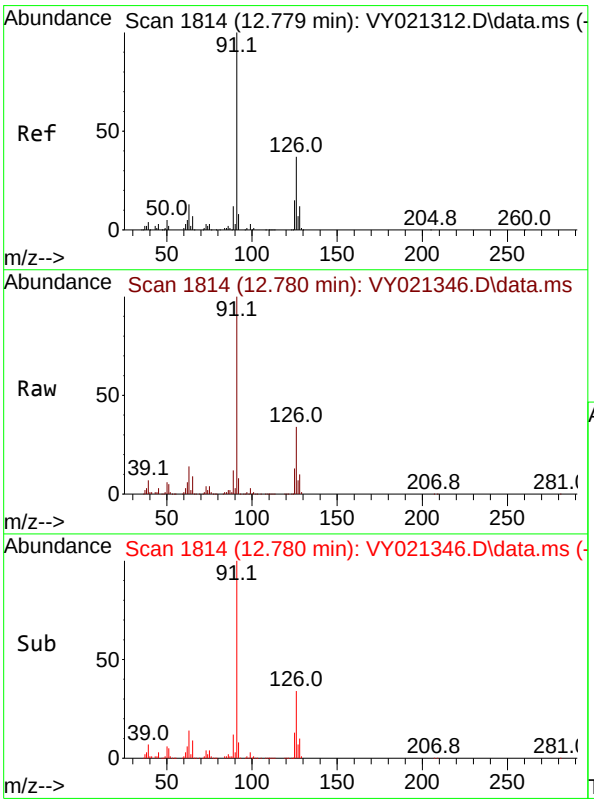
Ion	Ratio	Lower	Upper
75	100		
53	101.1	79.1	118.7
89	45.8	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

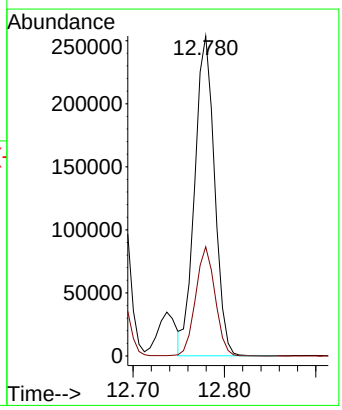


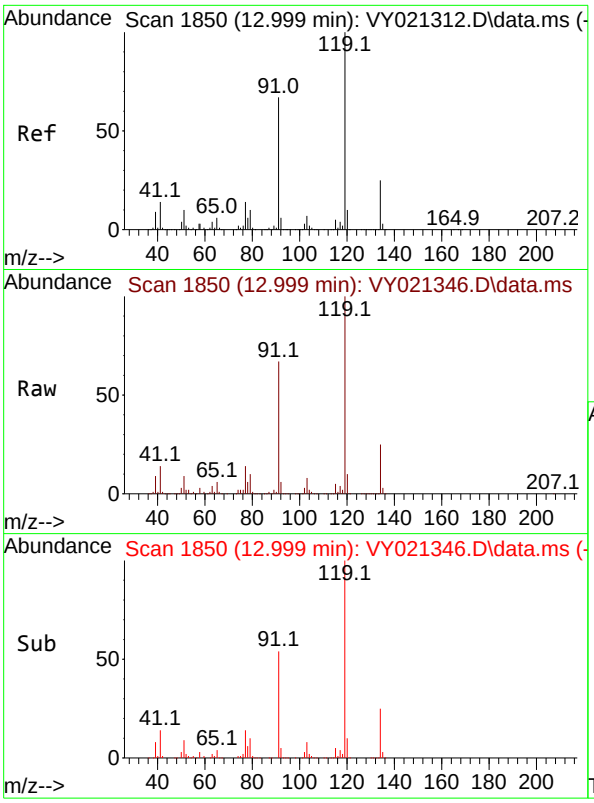


#82
4-Chlorotoluene
Concen: 47.811 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 91 Resp: 381031

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

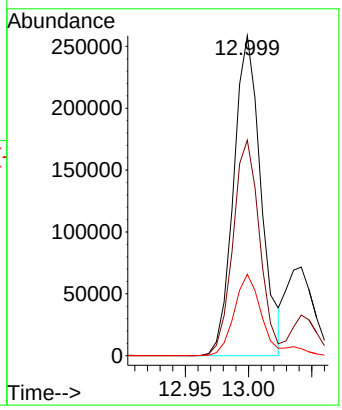




#83
tert-Butylbenzene
Concen: 47.569 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:119 Resp: 38905

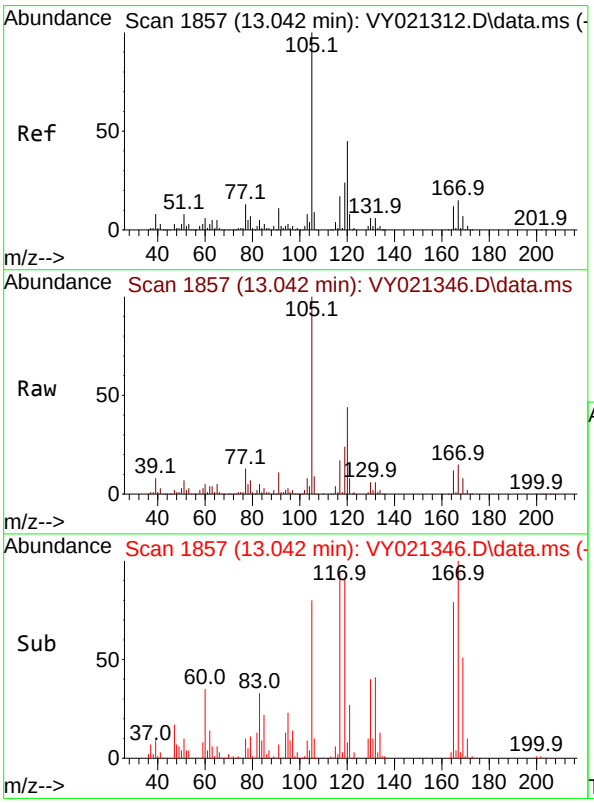
Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.7	98.1
134	26.9	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

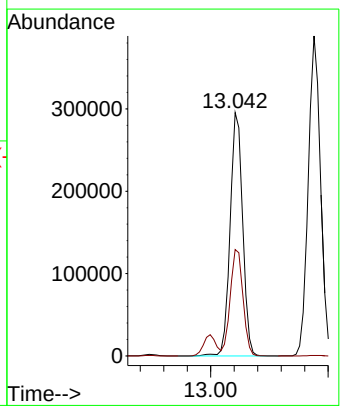
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

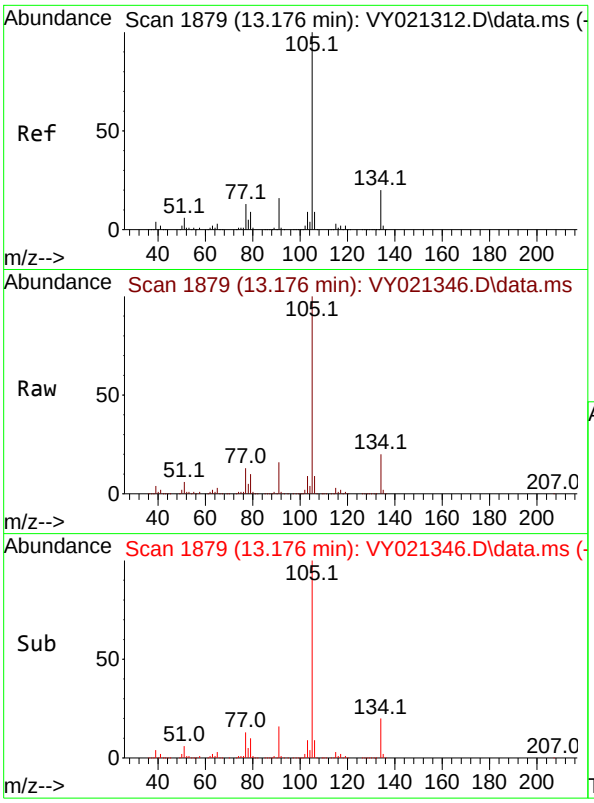


#84
1,2,4-Trimethylbenzene
Concen: 48.670 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:105 Resp: 438264

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.3





#85
sec-Butylbenzene
Concen: 47.165 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

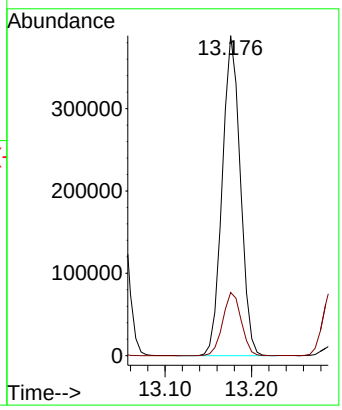
Tgt Ion:105 Resp: 56346

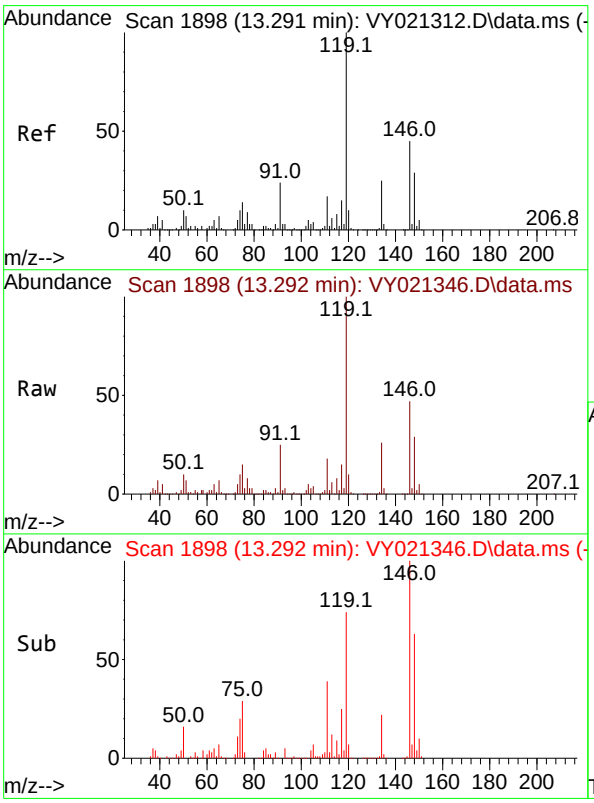
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

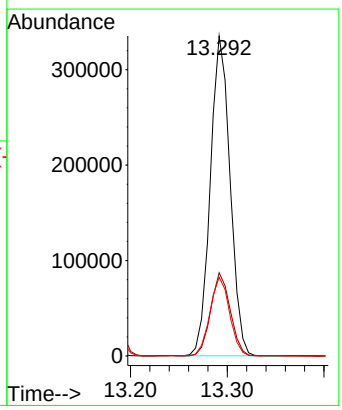


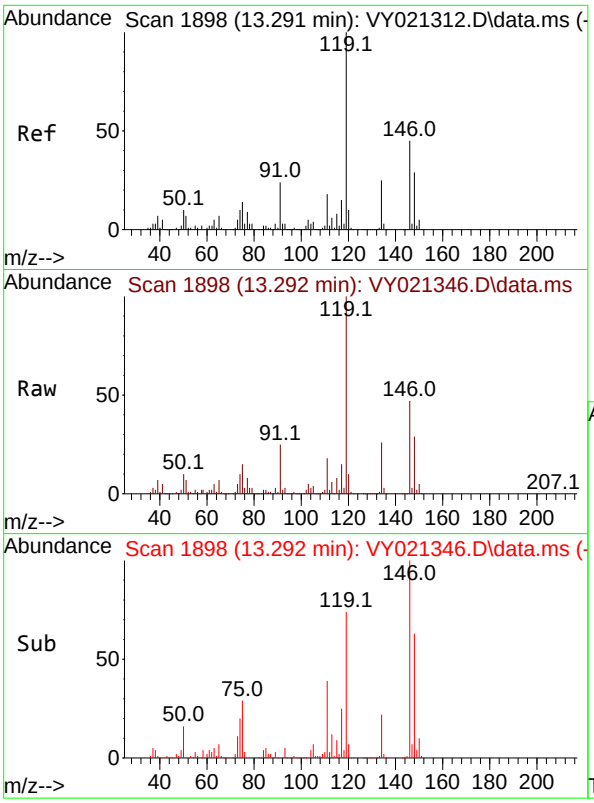


#86
p-Isopropyltoluene
Concen: 47.673 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:119 Resp: 475557

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	24.3	12.0	36.1

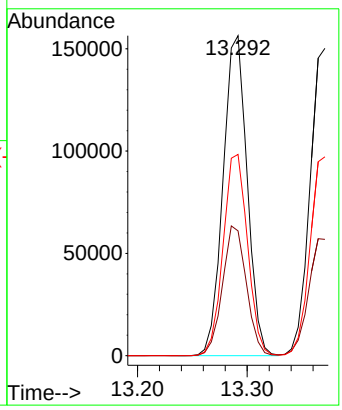




#87
1,3-Dichlorobenzene
Concen: 47.054 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:146 Resp: 23899

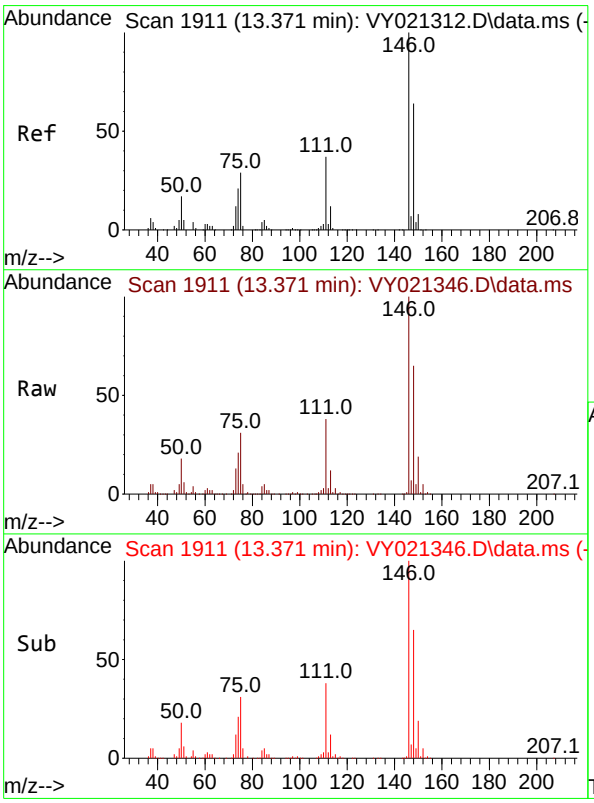
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	63.6	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

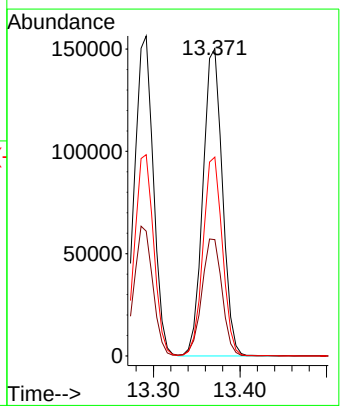
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

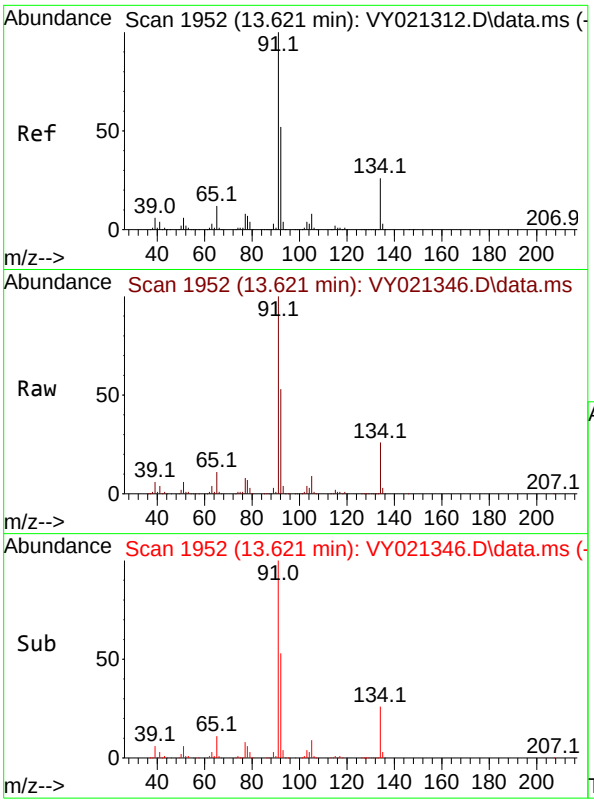


#88
1,4-Dichlorobenzene
Concen: 46.771 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:146 Resp: 234683

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.5	58.5
148	64.2	32.0	96.2

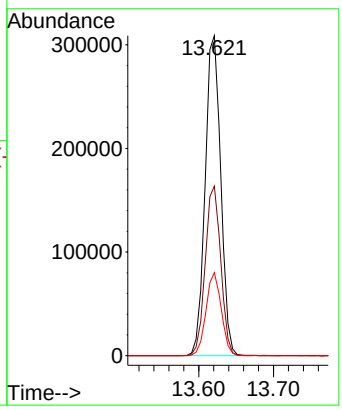




#89
n-Butylbenzene
Concen: 47.641 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 91 Resp: 44722

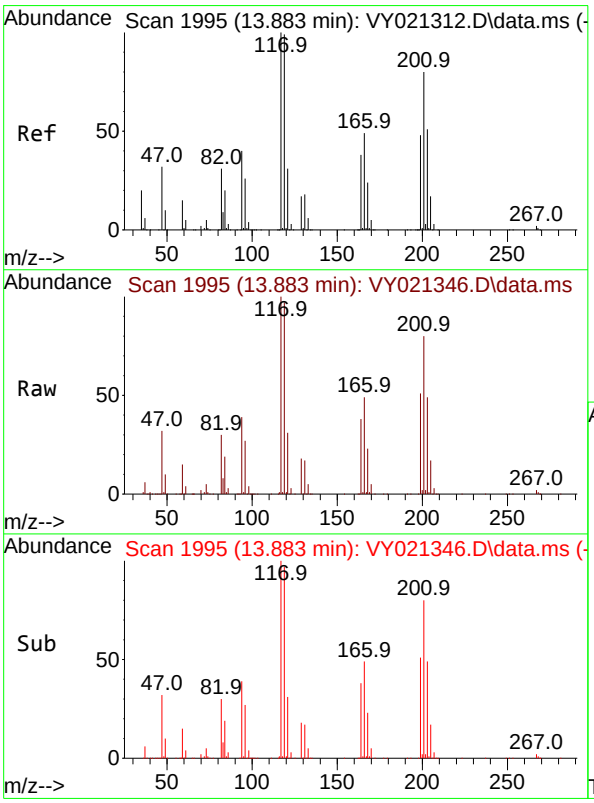
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.2
134	25.4	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

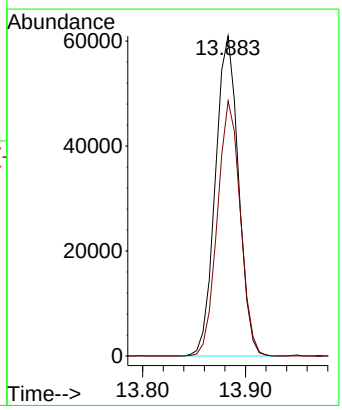
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

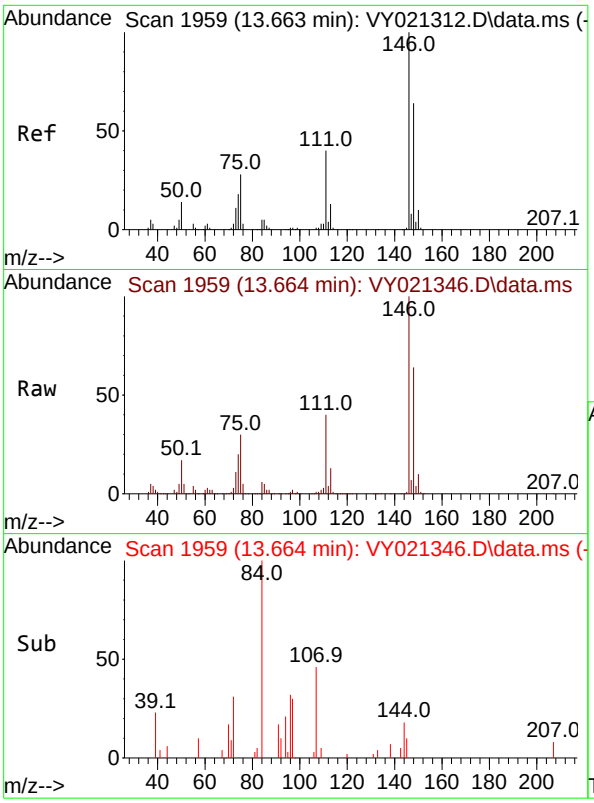


#90
Hexachloroethane
Concen: 45.677 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:117 Resp: 95176

Ion	Ratio	Lower	Upper
117	100		
201	78.9	38.4	115.2

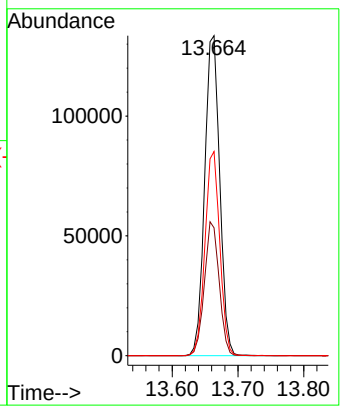




#91
1,2-Dichlorobenzene
Concen: 47.806 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:146 Resp: 21274

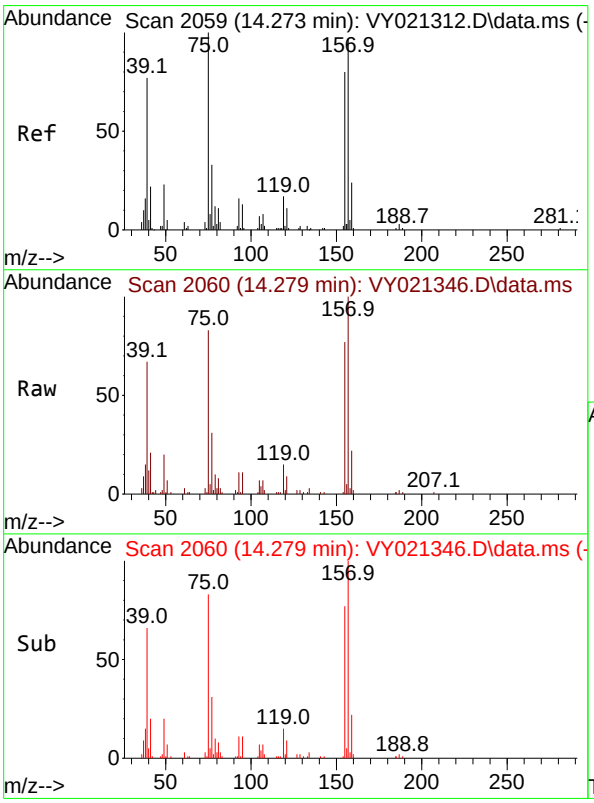
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.7	62.1
148	62.7	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

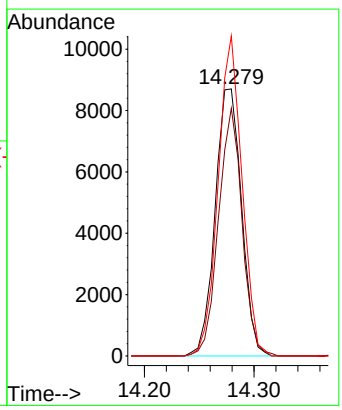
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

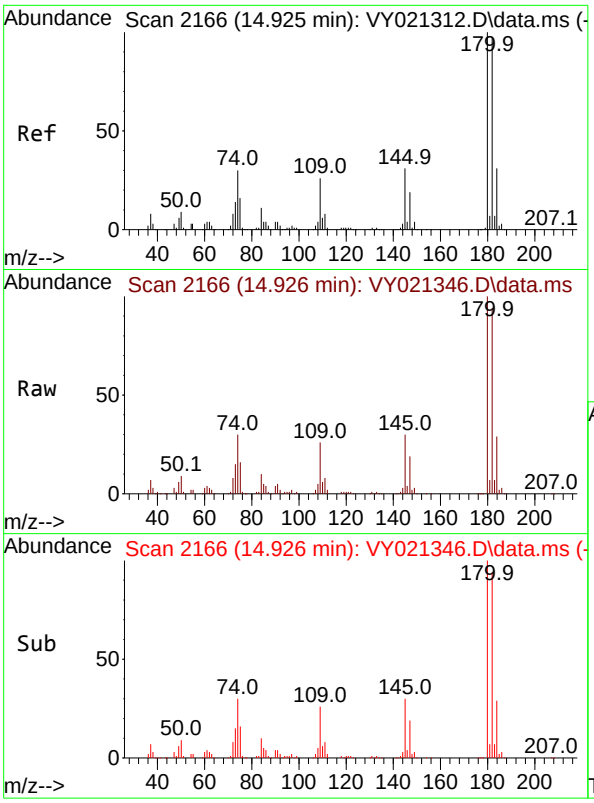


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.180 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion: 75 Resp: 14541

Ion	Ratio	Lower	Upper
75	100		
155	83.1	41.9	125.6
157	108.7	52.5	157.6

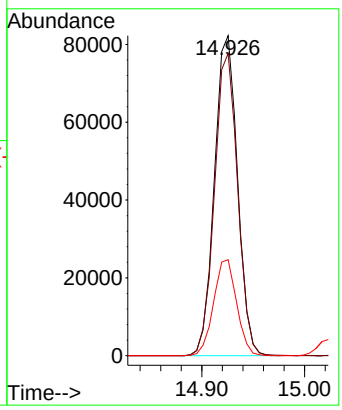




#93
1,2,4-Trichlorobenzene
Concen: 47.123 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:180 Resp: 12799

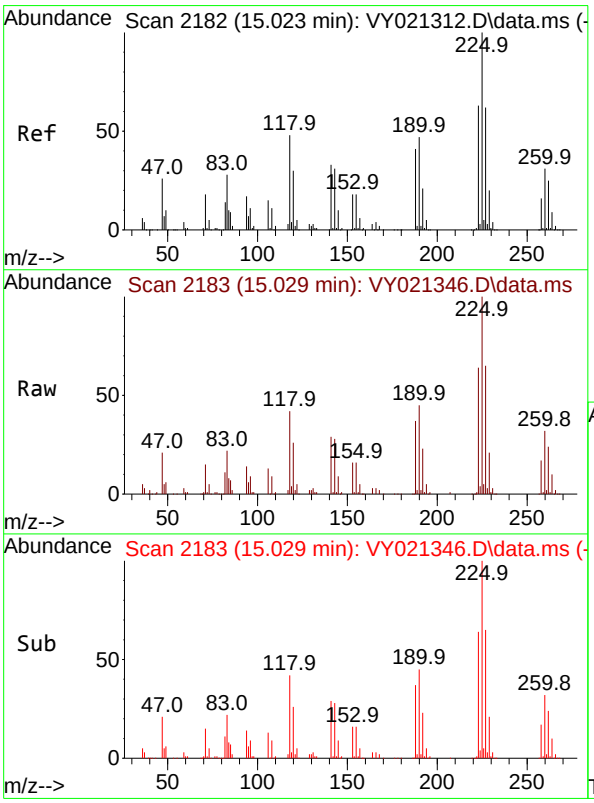
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.7
145	30.0	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

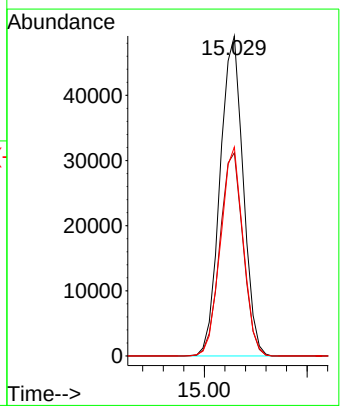
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

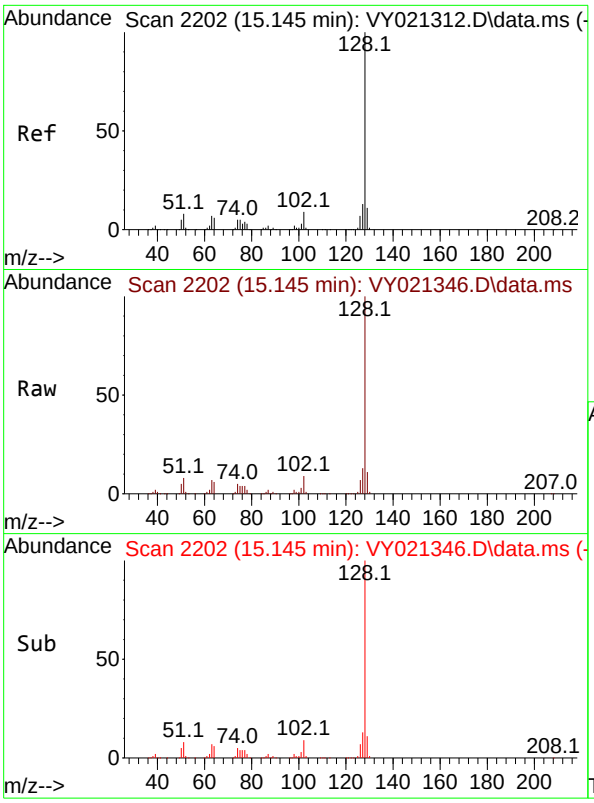


#94
Hexachlorobutadiene
Concen: 44.693 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:225 Resp: 76423

Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.8	95.4
227	63.9	31.9	95.7

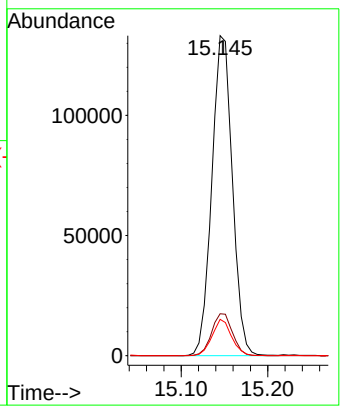




#95
Naphthalene
Concen: 48.854 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:128 Resp: 21978

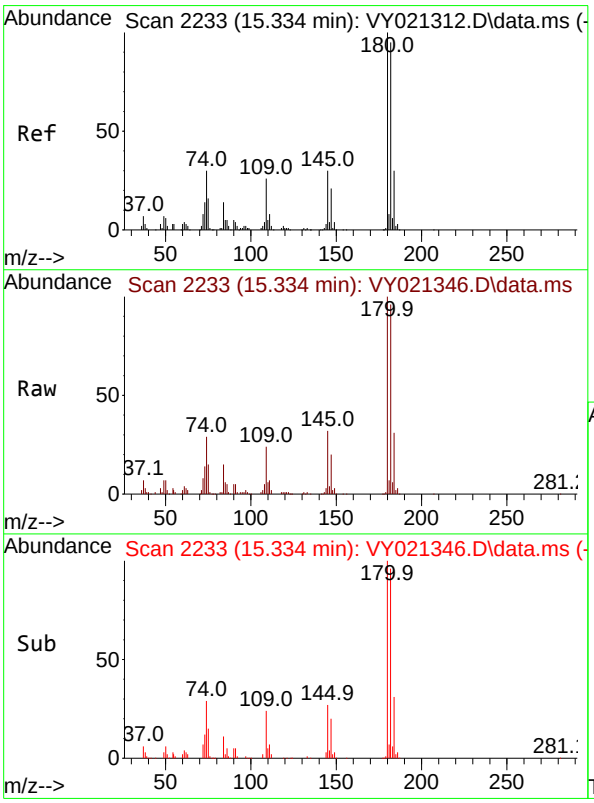
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.8	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

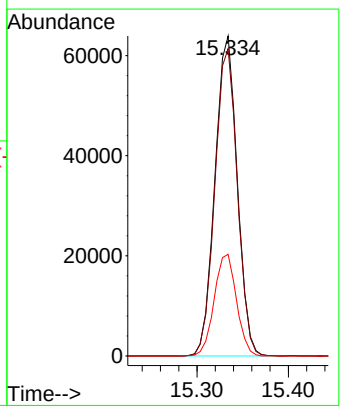
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.257 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021346.D
Acq: 27 Feb 2025 10:13

Tgt Ion:180 Resp: 108446

Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	31.7	16.1	48.3



Sample Results: **VY021346.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021346.D
Acq On : 27 Feb 2025 10:13
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: Feb 28 00:39:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	124	0.00
2	T	Dichlorodifluoromethane	0.474	0.413	12.9	104	0.00
3	P	Chloromethane	0.612	0.531	13.2	109	0.00
4	C	Vinyl Chloride	0.601	0.554	7.8#	109	0.00
5	T	Bromomethane	0.399	0.355	11.0	113	0.00
6	T	Chloroethane	0.373	0.354	5.1	112	0.00
7	T	Trichlorofluoromethane	0.908	0.857	5.6	113	0.00
8	T	Diethyl Ether	0.272	0.265	2.6	115	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.525	0.483	8.0	111	0.00
10	T	Methyl Iodide	0.553	0.569	-2.9	110	0.00
11	T	Tert butyl alcohol	0.044	0.035	20.5	109	0.00
12	CM	1,1-Dichloroethene	0.503	0.467	7.2#	112	0.00
13	T	Acrolein	0.033	0.008	75.8#	152#	0.00
14	T	Allyl chloride	0.892	0.818	8.3	109	0.00
15	T	Acrylonitrile	0.120	0.113	5.8	110	0.00
16	T	Acetone	0.109	0.108	0.9	104	0.00
17	T	Carbon Disulfide	1.671	1.540	7.8	110	0.00
18	T	Methyl Acetate	0.266	0.254	4.5	114	0.00
19	T	Methyl tert-butyl Ether	1.329	1.304	1.9	114	0.00
20	T	Methylene Chloride	0.588	0.523	11.1	111	0.00
21	T	trans-1,2-Dichloroethene	0.554	0.533	3.8	115	0.00
22	T	Diisopropyl ether	1.846	1.743	5.6	110	0.00
23	T	Vinyl Acetate	1.103	1.056	4.3	110	0.00
24	P	1,1-Dichloroethane	1.040	0.977	6.1	112	0.00
25	T	2-Butanone	0.164	0.156	4.9	105	0.00
26	T	2,2-Dichloropropane	0.944	0.876	7.2	111	0.00
27	T	cis-1,2-Dichloroethene	0.632	0.615	2.7	114	0.00
28	T	Bromochloromethane	0.460	0.454	1.3	123	0.00
29	T	Tetrahydrofuran	0.107	0.101	5.6	109	0.00
30	C	Chloroform	1.054	0.999	5.2#	113	0.00
31	T	Cyclohexane	1.000	0.858	14.2	107	0.00
32	T	1,1,1-Trichloroethane	0.960	0.904	5.8	113	0.00
33	S	1,2-Dichloroethane-d4	0.567	0.558	1.6	125	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	124	0.00
35	S	Dibromofluoromethane	0.328	0.334	-1.8	127	0.00
36	T	1,1-Dichloropropene	0.492	0.461	6.3	110	0.00
37	T	Ethyl Acetate	0.245	0.228	6.9	110	0.00
38	T	Carbon Tetrachloride	0.554	0.524	5.4	112	0.00
39	T	Methylcyclohexane	0.623	0.568	8.8	106	0.00
40	TM	Benzene	1.456	1.381	5.2	111	0.00
41	T	Methacrylonitrile	0.137	0.123	10.2	103	0.00
42	TM	1,2-Dichloroethane	0.413	0.403	2.4	115	0.00
43	T	Isopropyl Acetate	0.474	0.447	5.7	108	0.00
44	TM	Trichloroethene	0.364	0.350	3.8	113	0.00
45	C	1,2-Dichloropropane	0.350	0.331	5.4#	110	0.00
46	T	Dibromomethane	0.191	0.187	2.1	114	0.00
47	T	Bromodichloromethane	0.511	0.501	2.0	114	0.00
48	T	Methyl methacrylate	0.222	0.211	5.0	105	0.00

Sample Results: **VY021346.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021346.D
Acq On : 27 Feb 2025 10:13
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: Feb 28 00:39:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	122	0.00
50	S	Toluene-d8	1.267	1.261	0.5	124	0.00
51	T	4-Methyl-2-Pentanone	0.243	0.236	2.9	109	0.00
52	CM	Toluene	0.904	0.878	2.9#	112	0.00
53	T	t-1,3-Dichloropropene	0.468	0.463	1.1	111	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.535	3.1	112	0.00
55	T	1,1,2-Trichloroethane	0.249	0.238	4.4	110	0.00
56	T	Ethyl methacrylate	0.345	0.352	-2.0	111	0.00
57	T	1,3-Dichloropropane	0.438	0.426	2.7	112	0.00
58	T	2-Chloroethyl Vinyl ether	0.165	0.160	3.0	103	0.00
59	T	2-Hexanone	0.159	0.157	1.3	106	0.00
60	T	Dibromochloromethane	0.340	0.334	1.8	112	0.00
61	T	1,2-Dibromoethane	0.236	0.228	3.4	111	0.00
62	S	4-Bromofluorobenzene	0.426	0.425	0.2	124	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	124	0.00
64	T	Tetrachloroethene	0.378	0.347	8.2	111	0.00
65	PM	Chlorobenzene	1.122	1.069	4.7	113	0.00
66	T	1,1,1,2-Tetrachloroethane	0.393	0.376	4.3	113	0.00
67	C	Ethyl Benzene	1.988	1.908	4.0#	111	0.00
68	T	m/p-Xylenes	0.748	0.712	4.8	110	0.00
69	T	o-Xylene	0.701	0.674	3.9	111	0.00
70	T	Styrene	1.166	1.136	2.6	111	0.00
71	P	Bromoform	0.225	0.221	1.8	112	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00
73	T	Isopropylbenzene	3.759	3.639	3.2	110	0.00
74	T	N-amyl acetate	0.955	0.939	1.7	107	0.00
75	P	1,1,2,2-Tetrachloroethane	0.663	0.638	3.8	110	0.00
76	T	1,2,3-Trichloropropane	0.500	0.485	3.0	112	0.00
77	T	Bromobenzene	0.874	0.847	3.1	113	0.00
78	T	n-propylbenzene	4.561	4.382	3.9	109	0.00
79	T	2-Chlorotoluene	2.618	2.493	4.8	111	0.00
80	T	1,3,5-Trimethylbenzene	3.083	2.993	2.9	111	0.00
81	T	trans-1,4-Dichloro-2-butene	0.225	0.219	2.7	108	0.00
82	T	4-Chlorotoluene	2.714	2.595	4.4	111	0.00
83	T	tert-Butylbenzene	2.785	2.649	4.9	111	0.00
84	T	1,2,4-Trimethylbenzene	3.066	2.985	2.6	111	0.00
85	T	sec-Butylbenzene	4.068	3.837	5.7	109	0.00
86	T	p-Isopropyltoluene	3.397	3.239	4.7	109	0.00
87	T	1,3-Dichlorobenzene	1.730	1.628	5.9	110	0.00
88	T	1,4-Dichlorobenzene	1.709	1.598	6.5	110	0.00
89	T	n-Butylbenzene	3.196	3.046	4.7	107	0.00
90	T	Hexachloroethane	0.710	0.648	8.7	108	0.00
91	T	1,2-Dichlorobenzene	1.515	1.449	4.4	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.105	0.099	5.7	106	0.00
93	T	1,2,4-Trichlorobenzene	0.925	0.872	5.7	109	0.00
94	T	Hexachlorobutadiene	0.582	0.520	10.7	106	0.00
95	T	Naphthalene	1.532	1.497	2.3	105	0.00

Sample Results: **VY021346.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021346.D
Acq On : 27 Feb 2025 10:13
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: Feb 28 00:39:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	0.781	0.739	5.4	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY021346.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021346.D
Acq On : 27 Feb 2025 10:13
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: Feb 28 00:39:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	124	0.00
2	T	Dichlorodifluoromethane	50.000	43.510	13.0	104	0.00
3	P	Chloromethane	50.000	43.398	13.2	109	0.00
4	C	Vinyl Chloride	50.000	46.080	7.8#	109	0.00
5	T	Bromomethane	50.000	44.421	11.2	113	0.00
6	T	Chloroethane	50.000	47.433	5.1	112	0.00
7	T	Trichlorofluoromethane	50.000	47.198	5.6	113	0.00
8	T	Diethyl Ether	50.000	48.685	2.6	115	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.008	8.0	111	0.00
10	T	Methyl Iodide	50.000	51.435	-2.9	110	0.00
11	T	Tert butyl alcohol	250.000	202.609	19.0	109	0.00
12	CM	1,1-Dichloroethene	50.000	46.418	7.2#	112	0.00
13	T	Acrolein	250.000	61.335	75.5#	152	0.00
14	T	Allyl chloride	50.000	45.858	8.3	109	0.00
15	T	Acrylonitrile	250.000	234.709	6.1	110	0.00
16	T	Acetone	250.000	247.053	1.2	104	0.00
17	T	Carbon Disulfide	50.000	46.099	7.8	110	0.00
18	T	Methyl Acetate	50.000	47.708	4.6	114	0.00
19	T	Methyl tert-butyl Ether	50.000	49.066	1.9	114	0.00
20	T	Methylene Chloride	50.000	44.466	11.1	111	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.151	3.7	115	0.00
22	T	Diisopropyl ether	50.000	47.204	5.6	110	0.00
23	T	Vinyl Acetate	250.000	239.240	4.3	110	0.00
24	P	1,1-Dichloroethane	50.000	46.976	6.0	112	0.00
25	T	2-Butanone	250.000	237.086	5.2	105	0.00
26	T	2,2-Dichloropropane	50.000	46.413	7.2	111	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.604	2.8	114	0.00
28	T	Bromochloromethane	50.000	49.278	1.4	123	0.00
29	T	Tetrahydrofuran	250.000	235.247	5.9	109	0.00
30	C	Chloroform	50.000	47.377	5.2#	113	0.00
31	T	Cyclohexane	50.000	42.885	14.2	107	0.00
32	T	1,1,1-Trichloroethane	50.000	47.106	5.8	113	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.197	1.6	125	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	124	0.00
35	S	Dibromofluoromethane	50.000	50.916	-1.8	127	0.00
36	T	1,1-Dichloropropene	50.000	46.810	6.4	110	0.00
37	T	Ethyl Acetate	50.000	46.614	6.8	110	0.00
38	T	Carbon Tetrachloride	50.000	47.372	5.3	112	0.00
39	T	Methylcyclohexane	50.000	45.621	8.8	106	0.00
40	TM	Benzene	50.000	47.451	5.1	111	0.00
41	T	Methacrylonitrile	50.000	44.764	10.5	103	0.00
42	TM	1,2-Dichloroethane	50.000	48.834	2.3	115	0.00
43	T	Isopropyl Acetate	50.000	47.110	5.8	108	0.00
44	TM	Trichloroethene	50.000	47.977	4.0	113	0.00
45	C	1,2-Dichloropropane	50.000	47.258	5.5#	110	0.00
46	T	Dibromomethane	50.000	48.866	2.3	114	0.00
47	T	Bromodichloromethane	50.000	49.049	1.9	114	0.00
48	T	Methyl methacrylate	50.000	47.548	4.9	105	0.00

Sample Results: **VY021346.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021346.D
Acq On : 27 Feb 2025 10:13
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: Feb 28 00:39:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	1034.825	-3.5	122	0.00
50	S	Toluene-d8	50.000	49.758	0.5	124	0.00
51	T	4-Methyl-2-Pentanone	250.000	243.033	2.8	109	0.00
52	CM	Toluene	50.000	48.531	2.9#	112	0.00
53	T	t-1,3-Dichloropropene	50.000	49.509	1.0	111	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.471	3.1	112	0.00
55	T	1,1,2-Trichloroethane	50.000	47.760	4.5	110	0.00
56	T	Ethyl methacrylate	50.000	51.042	-2.1	111	0.00
57	T	1,3-Dichloropropane	50.000	48.674	2.7	112	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	241.429	3.4	103	0.00
59	T	2-Hexanone	250.000	246.484	1.4	106	0.00
60	T	Dibromochloromethane	50.000	49.151	1.7	112	0.00
61	T	1,2-Dibromoethane	50.000	48.188	3.6	111	0.00
62	S	4-Bromofluorobenzene	50.000	49.803	0.4	124	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	124	0.00
64	T	Tetrachloroethene	50.000	45.972	8.1	111	0.00
65	PM	Chlorobenzene	50.000	47.611	4.8	113	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.843	4.3	113	0.00
67	C	Ethyl Benzene	50.000	47.994	4.0#	111	0.00
68	T	m/p-Xylenes	100.000	95.197	4.8	110	0.00
69	T	o-Xylene	50.000	48.118	3.8	111	0.00
70	T	Styrene	50.000	48.749	2.5	111	0.00
71	P	Bromoform	50.000	49.136	1.7	112	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	121	0.00
73	T	Isopropylbenzene	50.000	48.407	3.2	110	0.00
74	T	N-amyl acetate	50.000	49.139	1.7	107	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.104	3.8	110	0.00
76	T	1,2,3-Trichloropropane	50.000	48.501	3.0	112	0.00
77	T	Bromobenzene	50.000	48.465	3.1	113	0.00
78	T	n-propylbenzene	50.000	48.033	3.9	109	0.00
79	T	2-Chlorotoluene	50.000	47.609	4.8	111	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.538	2.9	111	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.545	2.9	108	0.00
82	T	4-Chlorotoluene	50.000	47.811	4.4	111	0.00
83	T	tert-Butylbenzene	50.000	47.569	4.9	111	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.670	2.7	111	0.00
85	T	sec-Butylbenzene	50.000	47.165	5.7	109	0.00
86	T	p-Isopropyltoluene	50.000	47.673	4.7	109	0.00
87	T	1,3-Dichlorobenzene	50.000	47.054	5.9	110	0.00
88	T	1,4-Dichlorobenzene	50.000	46.771	6.5	110	0.00
89	T	n-Butylbenzene	50.000	47.641	4.7	107	0.00
90	T	Hexachloroethane	50.000	45.677	8.6	108	0.00
91	T	1,2-Dichlorobenzene	50.000	47.806	4.4	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.180	5.6	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.123	5.8	109	0.00
94	T	Hexachlorobutadiene	50.000	44.693	10.6	106	0.00
95	T	Naphthalene	50.000	48.854	2.3	105	0.00

Sample Results: **VY021346.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021346.D
Acq On : 27 Feb 2025 10:13
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: Feb 28 00:39:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	47.257	5.5	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY021375.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG No.: Q1421

Instrument ID: MSVOA_Y Calibration Date/Time: 02/28/2025 09:44

Lab File ID: VY021375.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.474	0.440		-7.17	20
Chloromethane	0.612	0.566	0.1	-7.52	20
Vinyl Chloride	0.601	0.616		2.5	20
Bromomethane	0.399	0.411		3.01	20
Chloroethane	0.373	0.400		7.24	20
Trichlorofluoromethane	0.908	0.936		3.08	20
1,1,2-Trichlorotrifluoroethane	0.525	0.511		-2.67	20
1,1-Dichloroethene	0.503	0.487		-3.18	20
Acetone	0.109	0.132		21.1	20
Carbon Disulfide	1.671	1.585		-5.15	20
Methyl tert-butyl Ether	1.329	1.304		-1.88	20
Methyl Acetate	0.266	0.247		-7.14	20
Methylene Chloride	0.588	0.547		-6.97	20
trans-1,2-Dichloroethene	0.554	0.549		-0.9	20
1,1-Dichloroethane	1.040	1.009	0.1	-2.98	20
Cyclohexane	1.000	0.868		-13.2	20
2-Butanone	0.164	0.166		1.22	20
Carbon Tetrachloride	0.554	0.578		4.33	20
cis-1,2-Dichloroethene	0.632	0.635		0.47	20
Bromochloromethane	0.460	0.462		0.44	20
Chloroform	1.054	1.043		-1.04	20
1,1,1-Trichloroethane	0.960	0.951		-0.94	20
Methylcyclohexane	0.623	0.607		-2.57	20
Benzene	1.456	1.487		2.13	20
1,2-Dichloroethane	0.413	0.436		5.57	20
Trichloroethene	0.364	0.375		3.02	20
1,2-Dichloropropane	0.350	0.356		1.71	20
Bromodichloromethane	0.511	0.537		5.09	20
4-Methyl-2-Pentanone	0.243	0.242		-0.41	20
Toluene	0.904	0.955		5.64	20
t-1,3-Dichloropropene	0.468	0.488		4.27	20
cis-1,3-Dichloropropene	0.552	0.565		2.36	20
1,1,2-Trichloroethane	0.249	0.254		2.01	20
2-Hexanone	0.159	0.168		5.66	20
Dibromochloromethane	0.340	0.362		6.47	20
1,2-Dibromoethane	0.236	0.241		2.12	20
Tetrachloroethene	0.378	0.394		4.23	20
Chlorobenzene	1.122	1.154	0.3	2.85	20

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

Raw Data: **VY021375.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG No.: Q1421

Instrument ID: MSVOA_Y Calibration Date/Time: 02/28/2025 09:44

Lab File ID: VY021375.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.988	2.041		2.67	20
m/p-Xylenes	0.748	0.775		3.61	20
o-Xylene	0.701	0.722		3	20
Styrene	1.166	1.235		5.92	20
Bromoform	0.225	0.232	0.1	3.11	20
Isopropylbenzene	3.759	3.861		2.71	20
1,1,2,2-Tetrachloroethane	0.663	0.654	0.3	-1.36	20
1,3-Dichlorobenzene	1.730	1.775		2.6	20
1,4-Dichlorobenzene	1.709	1.709		0	20
1,2-Dichlorobenzene	1.515	1.525		0.66	20
1,2-Dibromo-3-Chloropropane	0.105	0.101		-3.81	20
1,2,4-Trichlorobenzene	0.925	0.898		-2.92	20
1,2,3-Trichlorobenzene	0.781	0.738		-5.51	20
1,2-Dichloroethane-d4	0.567	0.567		0	20
Dibromofluoromethane	0.328	0.351		7.01	20
Toluene-d8	1.267	1.327		4.74	20
4-Bromofluorobenzene	0.426	0.441		3.52	20

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

Sample Results: **VY021375.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021375.D
Acq On : 28 Feb 2025 09:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 28 22:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	170466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	255493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	227302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	113605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96586	49.947	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.900%			
35) Dibromofluoromethane	7.634	113	89708	53.556	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.120%			
50) Toluene-d8	10.109	98	339126	52.386	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.780%			
62) 4-Bromofluorobenzene	12.408	95	112745	51.750	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	75054	46.438	ug/l	96
3) Chloromethane	2.074	50	96481	46.223	ug/l	98
4) Vinyl Chloride	2.208	62	105085	51.293	ug/l	97
5) Bromomethane	2.598	94	70059	51.460	ug/l	98
6) Chloroethane	2.739	64	68130	53.626	ug/l	98
7) Trichlorofluoromethane	3.062	101	159574	51.575	ug/l	98
8) Diethyl Ether	3.458	74	45896	49.423	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	87137	48.644	ug/l	99
10) Methyl Iodide	4.007	142	102242	54.252	ug/l	100
11) Tert butyl alcohol	4.860	59	28013	188.331	ug/l	99
12) 1,1-Dichloroethene	3.793	96	82975	48.376	ug/l	96
13) Acrolein	3.647	56	5316	46.638	ug/l	96
14) Allyl chloride	4.391	41	138693	45.608	ug/l	95
15) Acrylonitrile	5.061	53	96955	236.139	ug/l	99
16) Acetone	3.867	43	112372	302.934	ug/l	100
17) Carbon Disulfide	4.110	76	270242	47.448	ug/l	99
18) Methyl Acetate	4.385	43	42108	46.449	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	222369	49.070	ug/l	98
20) Methylene Chloride	4.622	84	93282	46.504	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	93555	49.547	ug/l	93
22) Diisopropyl ether	6.019	45	301755	47.952	ug/l	99
23) Vinyl Acetate	5.964	43	896702	238.456	ug/l	100
24) 1,1-Dichloroethane	5.915	63	171936	48.476	ug/l	99
25) 2-Butanone	6.896	43	141900	253.463	ug/l	94
26) 2,2-Dichloropropane	6.890	77	157120	48.821	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	108215	50.189	ug/l	98
28) Bromochloromethane	7.244	49	78777	50.196	ug/l	97
29) Tetrahydrofuran	7.262	42	83194	227.342	ug/l	97
30) Chloroform	7.421	83	177778	49.466	ug/l	100
31) Cyclohexane	7.707	56	147922	43.387	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	162031	49.532	ug/l	99
36) 1,1-Dichloropropene	7.835	75	127843	50.810	ug/l	99
37) Ethyl Acetate	6.982	43	59548	47.578	ug/l	100
38) Carbon Tetrachloride	7.817	117	147719	52.223	ug/l	99
39) Methylcyclohexane	9.109	83	155039	48.718	ug/l	99
40) Benzene	8.079	78	379868	51.073	ug/l	100

Sample Results: **VY021375.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021375.D
Acq On : 28 Feb 2025 09:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 28 22:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	34886	49.854	ug/l		97
42) 1,2-Dichloroethane	8.158	62	111336	52.760	ug/l		100
43) Isopropyl Acetate	8.201	43	117081	48.330	ug/l	#	86
44) Trichloroethene	8.866	130	95880	51.489	ug/l		99
45) 1,2-Dichloropropane	9.146	63	90953	50.814	ug/l		99
46) Dibromomethane	9.231	93	50657	51.775	ug/l		98
47) Bromodichloromethane	9.426	83	137097	52.552	ug/l		97
48) Methyl methacrylate	9.225	41	55255	48.776	ug/l		94
49) 1,4-Dioxane	9.231	88	10744	987.591	ug/l		91
51) 4-Methyl-2-Pentanone	10.000	43	309430	249.526	ug/l		100
52) Toluene	10.170	92	243944	52.795	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	124583	52.124	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	144293	51.138	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	64837	50.869	ug/l		97
56) Ethyl methacrylate	10.445	69	91017	51.680	ug/l		99
57) 1,3-Dichloropropane	10.719	76	115030	51.430	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	218026	257.917	ug/l		98
59) 2-Hexanone	10.762	43	214799	263.746	ug/l		99
60) Dibromochloromethane	10.914	129	92375	53.214	ug/l		100
61) 1,2-Dibromoethane	11.018	107	61490	50.958	ug/l		98
64) Tetrachloroethene	10.646	164	89648	52.180	ug/l		95
65) Chlorobenzene	11.444	112	262227	51.394	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	93678	52.434	ug/l		99
67) Ethyl Benzene	11.524	91	463868	51.326	ug/l		100
68) m/p-Xylenes	11.633	106	352476	103.688	ug/l		100
69) o-Xylene	11.957	106	164095	51.528	ug/l		99
70) Styrene	11.975	104	280622	52.962	ug/l		99
71) Bromoform	12.133	173	52761	51.622	ug/l	#	98
73) Isopropylbenzene	12.255	105	438599	51.354	ug/l		99
74) N-amyl acetate	12.072	43	105812	48.742	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	74349	49.325	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	48460m	42.616	ug/l		
77) Bromobenzene	12.536	156	103195	51.947	ug/l		95
78) n-propylbenzene	12.597	91	526975	50.847	ug/l		99
79) 2-Chlorotoluene	12.682	91	298498	50.185	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	357472	51.032	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	24043	46.995	ug/l		93
82) 4-Chlorotoluene	12.780	91	306178	49.658	ug/l		99
83) tert-Butylbenzene	12.999	119	314049	49.632	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	354550	50.892	ug/l		99
85) sec-Butylbenzene	13.176	105	460459	49.819	ug/l		100
86) p-Isopropyltoluene	13.292	119	389522	50.472	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	201633	51.311	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	194197	50.025	ug/l		100
89) n-Butylbenzene	13.621	91	364238	50.152	ug/l		99
90) Hexachloroethane	13.883	117	78439	48.657	ug/l		98
91) 1,2-Dichlorobenzene	13.664	146	173292	50.334	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11525	48.334	ug/l		95
93) 1,2,4-Trichlorobenzene	14.926	180	101991	48.537	ug/l		99
94) Hexachlorobutadiene	15.029	225	65020	49.149	ug/l		99
95) Naphthalene	15.151	128	168433	48.393	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	83821	47.212	ug/l		99

Sample Results: **VY021375.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021375.D
Acq On : 28 Feb 2025 09:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 28 22:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

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

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

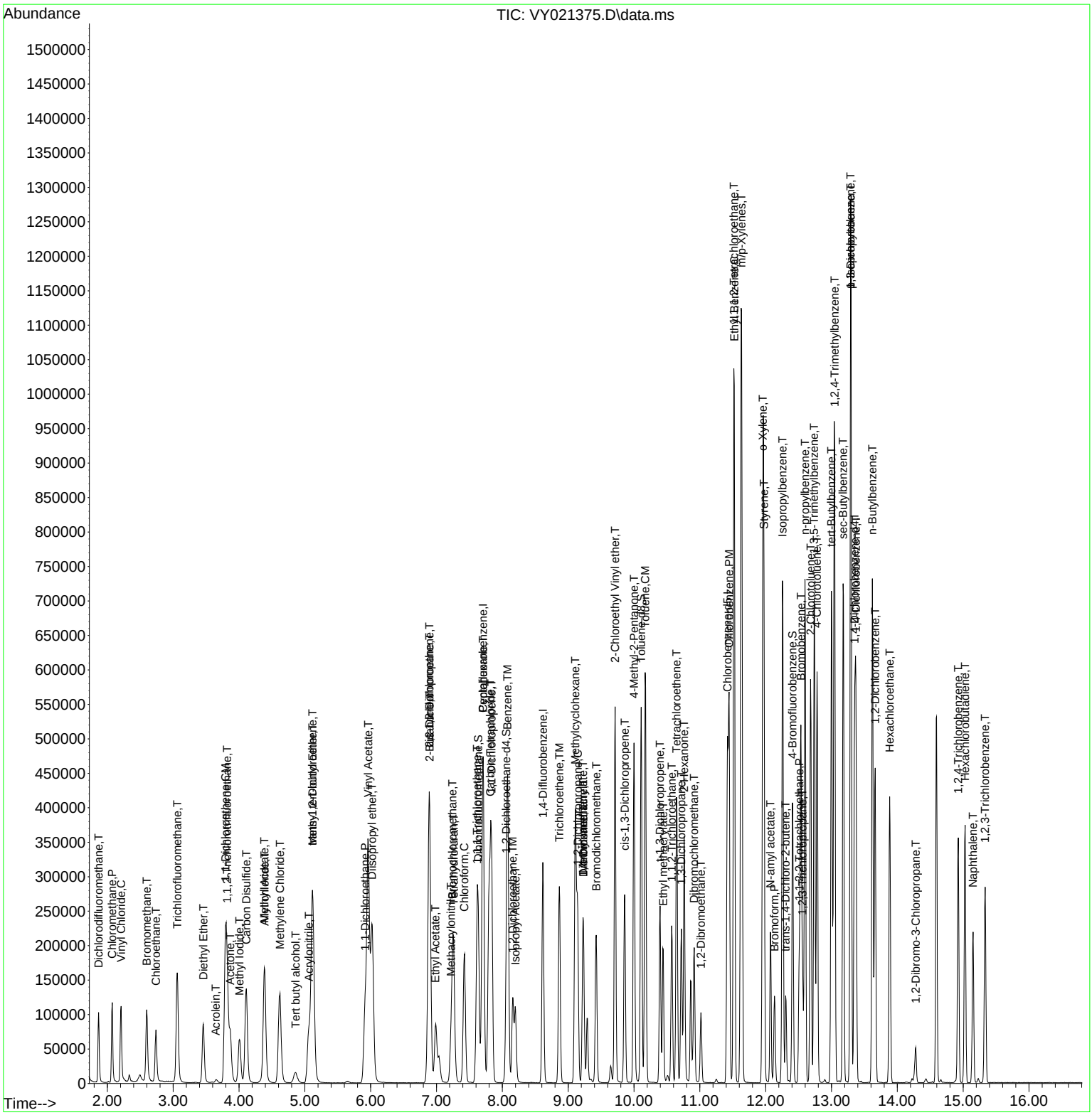
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021375.D
Acq On : 28 Feb 2025 09:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

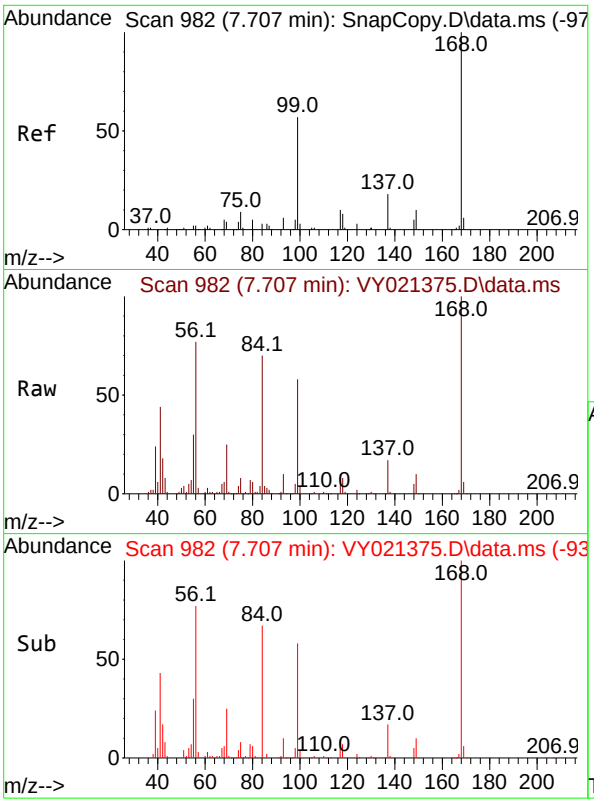
Quant Time: Feb 28 22:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

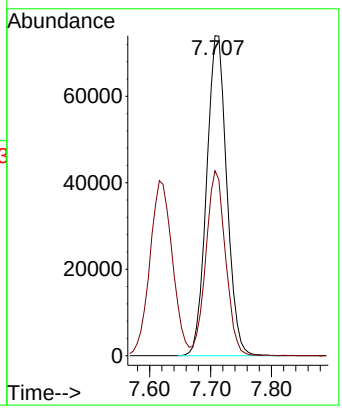




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:168 Resp: 17046

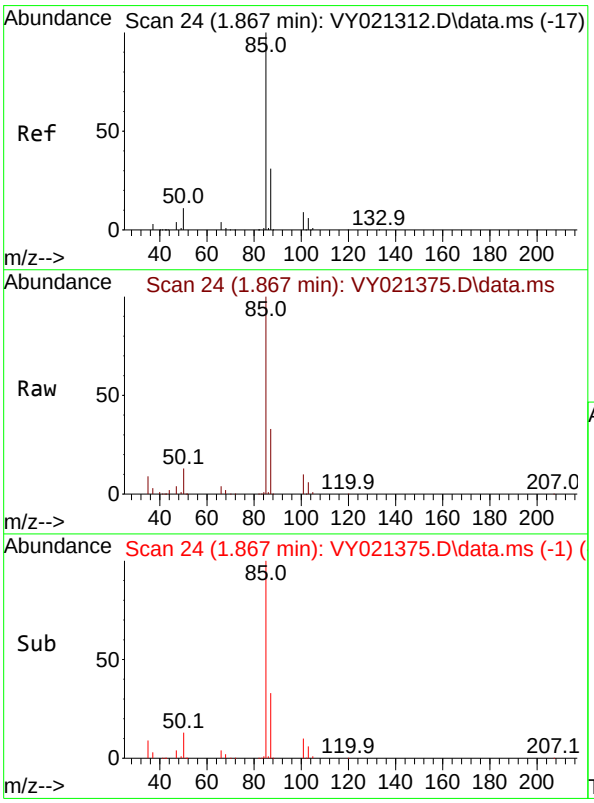
Ion	Ratio	Lower	Upper
168	100		
99	57.8	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

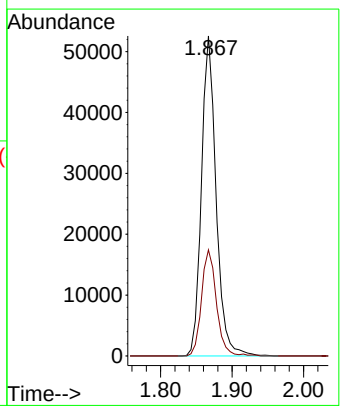
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

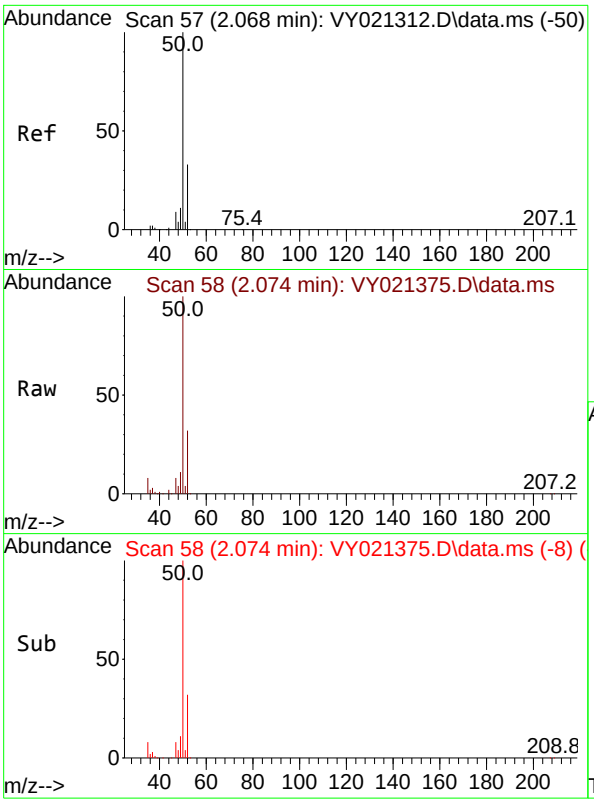


#2
Dichlorodifluoromethane
Concen: 46.438 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 85 Resp: 75054

Ion	Ratio	Lower	Upper
85	100		
87	33.2	15.4	46.4

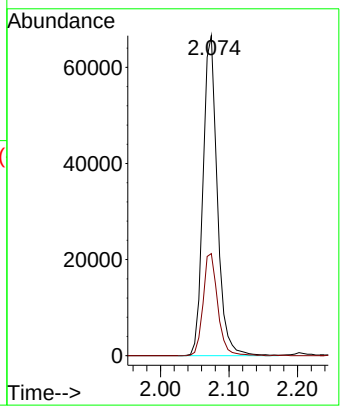




#3
Chloromethane
Concen: 46.223 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 50 Resp: 9648

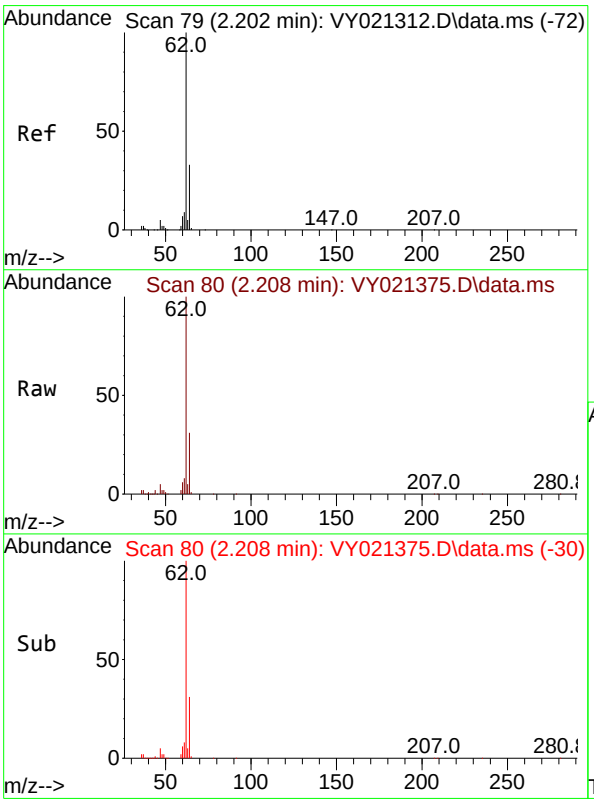
Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

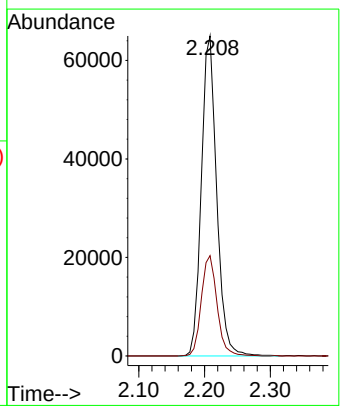
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

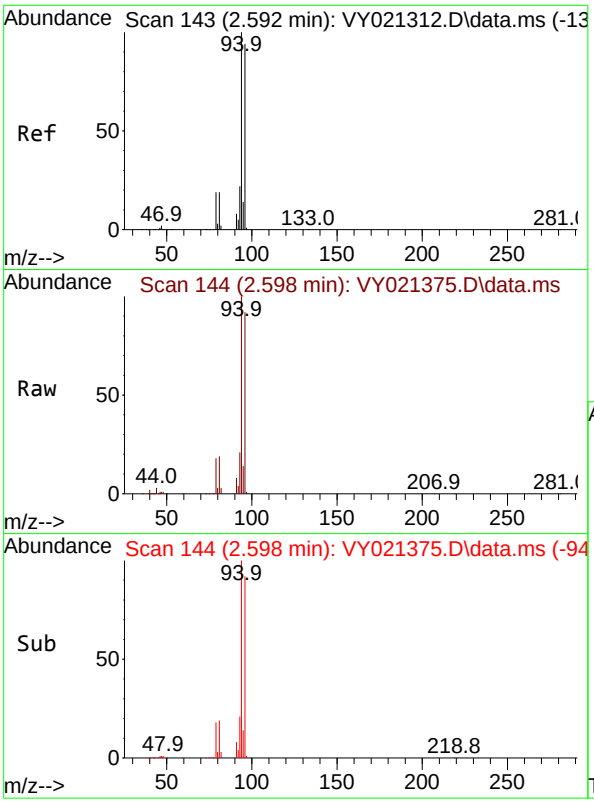


#4
Vinyl Chloride
Concen: 51.293 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 62 Resp: 105085

Ion	Ratio	Lower	Upper
62	100		
64	31.4	26.3	39.5

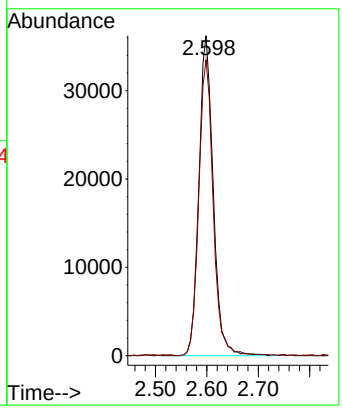




#5
Bromomethane
Concen: 51.460 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 94 Resp: 7005

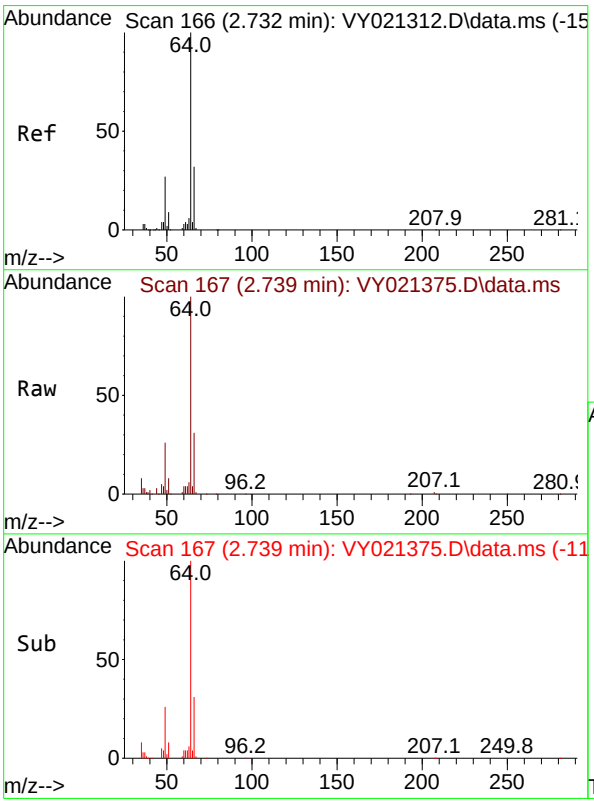
Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

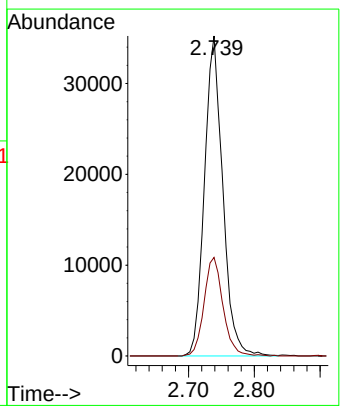
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

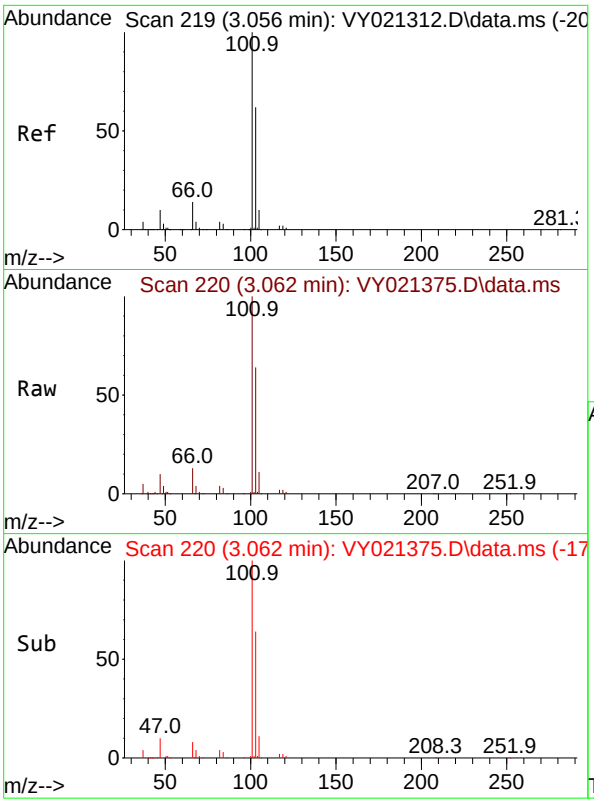


#6
Chloroethane
Concen: 53.626 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 64 Resp: 68130

Ion	Ratio	Lower	Upper
64	100		
66	30.8	25.4	38.0

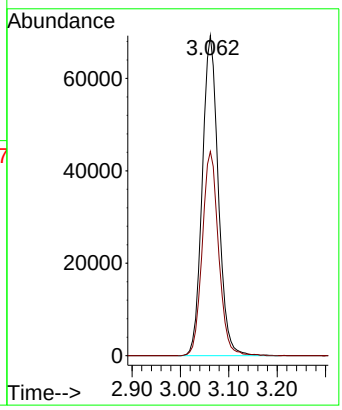




#7
Trichlorofluoromethane
Concen: 51.575 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:101 Resp: 15957

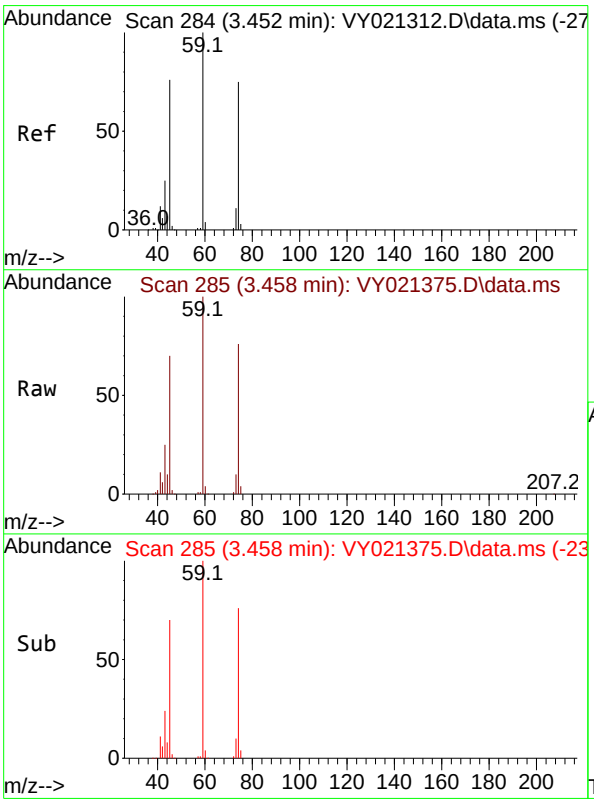
Ion	Ratio	Lower	Upper
101	100		
103	63.8	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

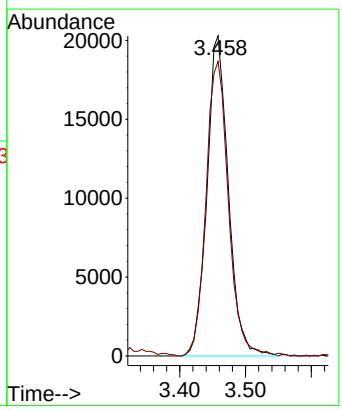
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

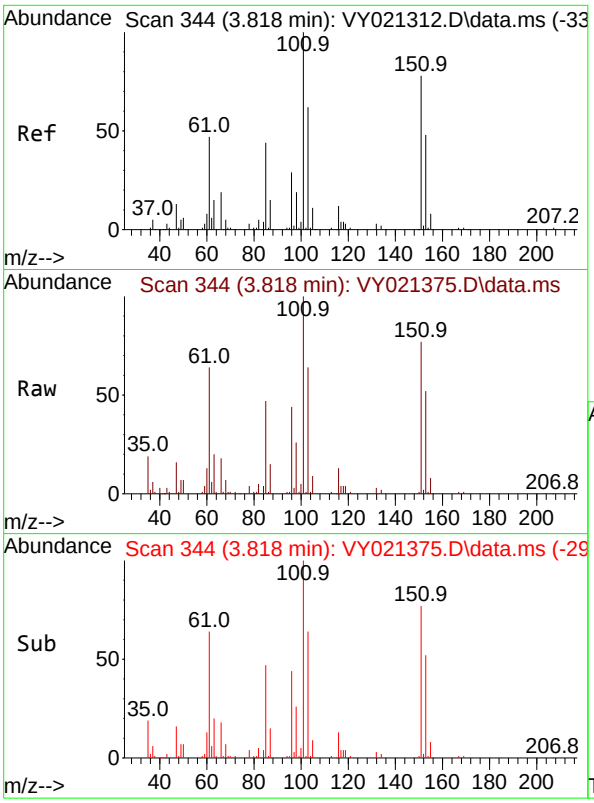


#8
Diethyl Ether
Concen: 49.423 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 74 Resp: 45896

Ion	Ratio	Lower	Upper
74	100		
45	96.6	50.3	150.9

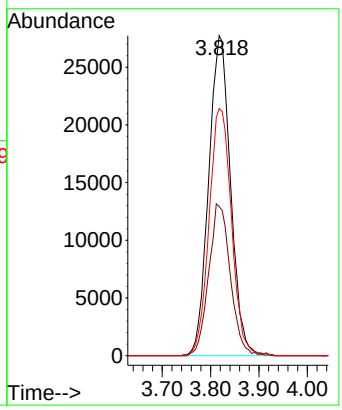




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.644 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:101 Resp: 8713

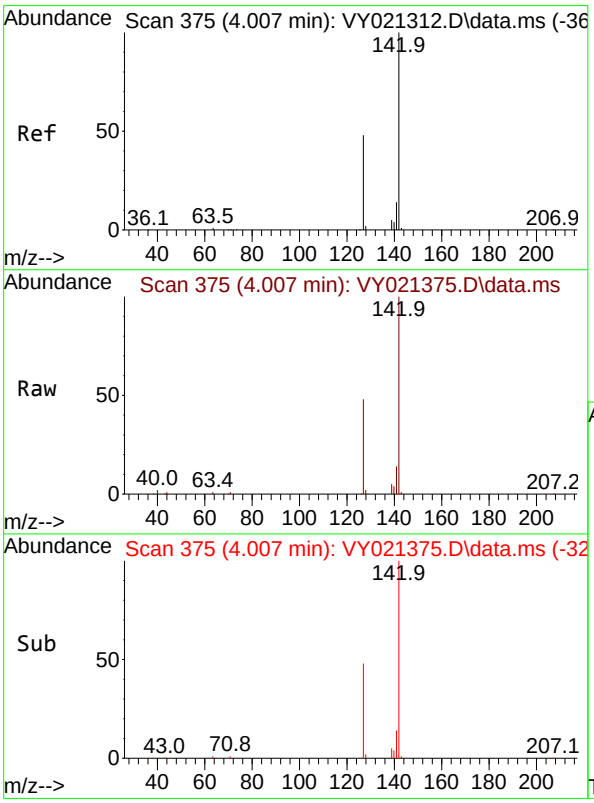
Ion	Ratio	Lower	Upper
101	100		
85	46.8	36.7	55.1
151	79.2	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

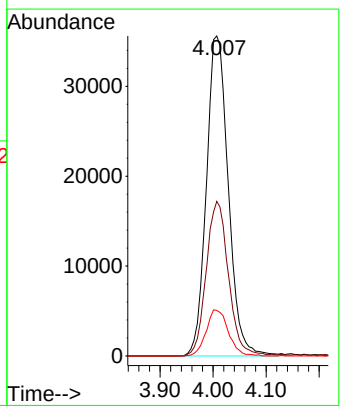
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

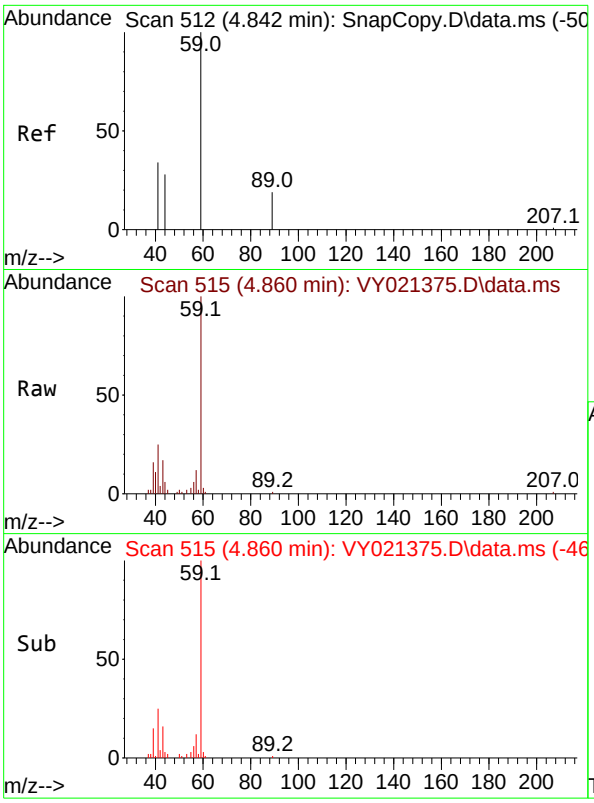


#10
Methyl Iodide
Concen: 54.252 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:142 Resp: 102242

Ion	Ratio	Lower	Upper
142	100		
127	48.9	39.2	58.8
141	14.6	11.4	17.2

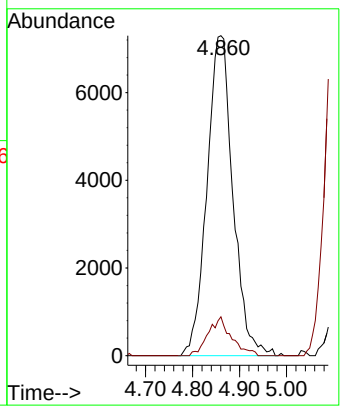




#11
Tert butyl alcohol
Concen: 188.331 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 59 Resp: 2801

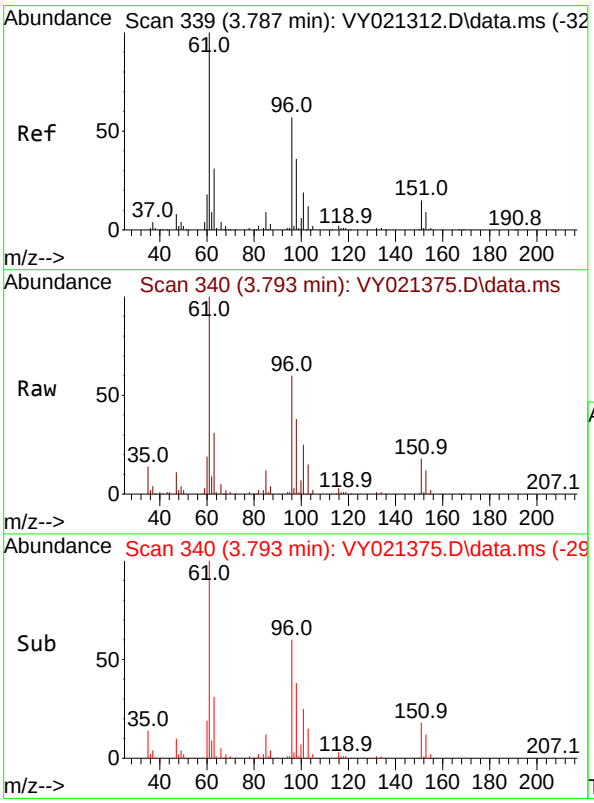
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

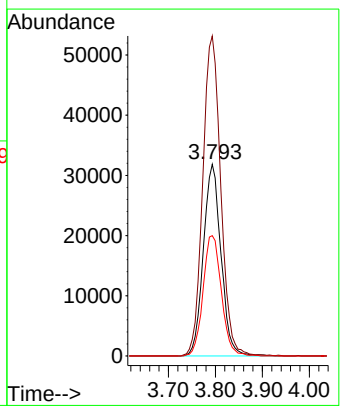
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

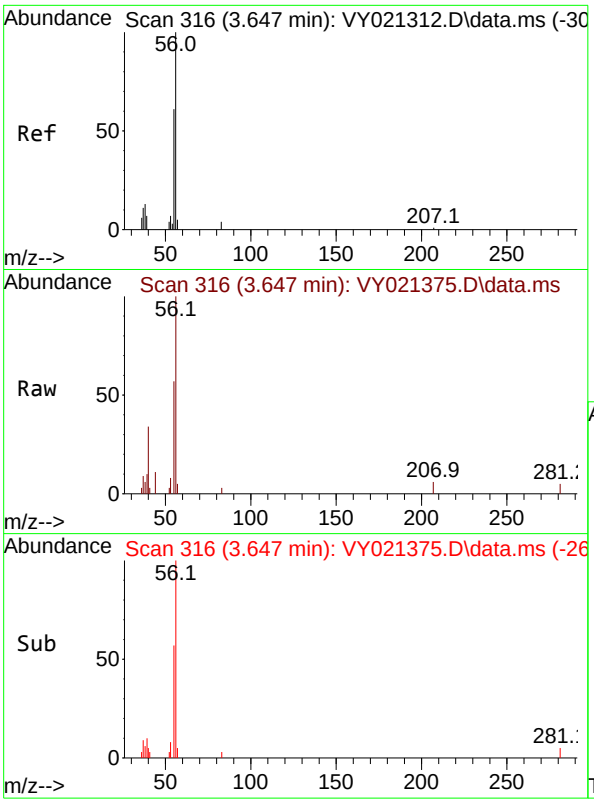


#12
1,1-Dichloroethene
Concen: 48.376 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 96 Resp: 82975

Ion	Ratio	Lower	Upper
96	100		
61	167.0	139.7	209.5
98	62.8	49.7	74.5

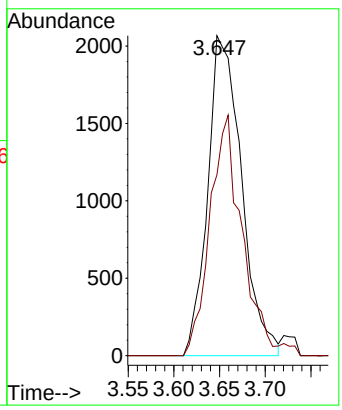




#13
Acrolein
Concen: 46.638 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 56 Resp: 531

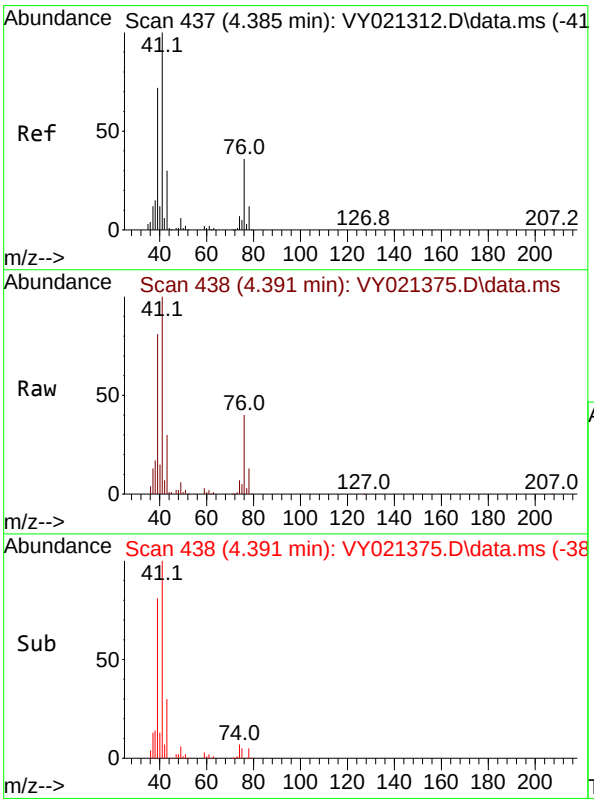
Ion	Ratio	Lower	Upper
56	100		
55	70.8	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

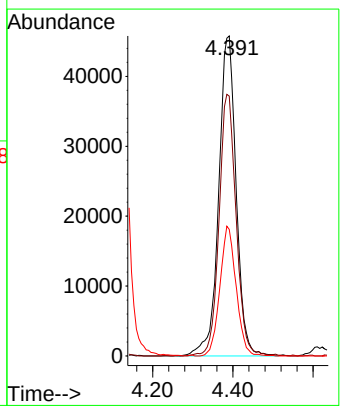
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

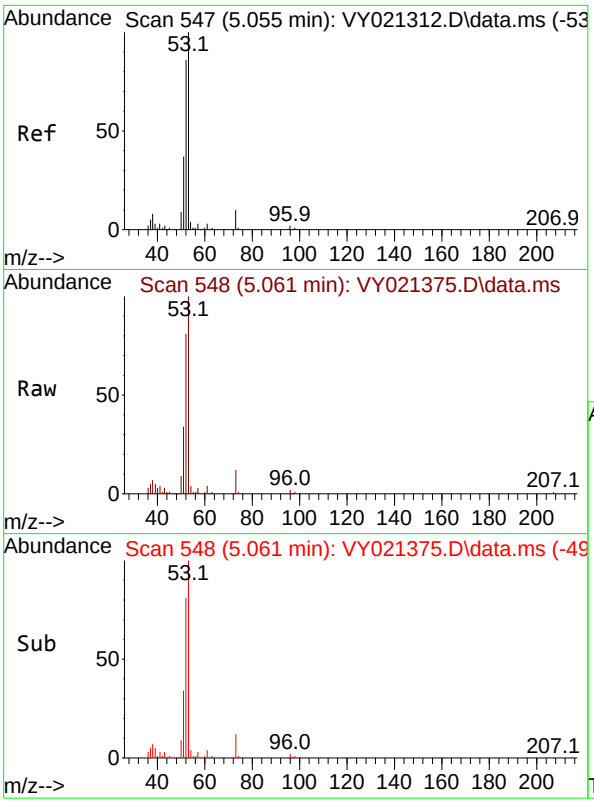


#14
Allyl chloride
Concen: 45.608 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 41 Resp: 138693

Ion	Ratio	Lower	Upper
41	100		
39	79.7	60.0	90.0
76	37.7	29.0	43.6





#15
Acrylonitrile
Concen: 236.139 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

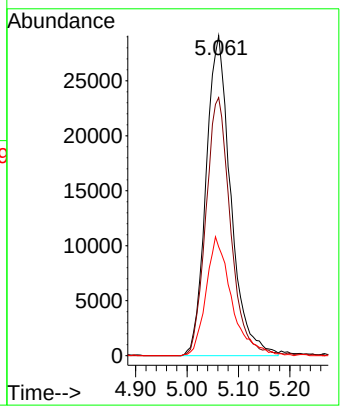
Tgt Ion: 53 Resp: 9695

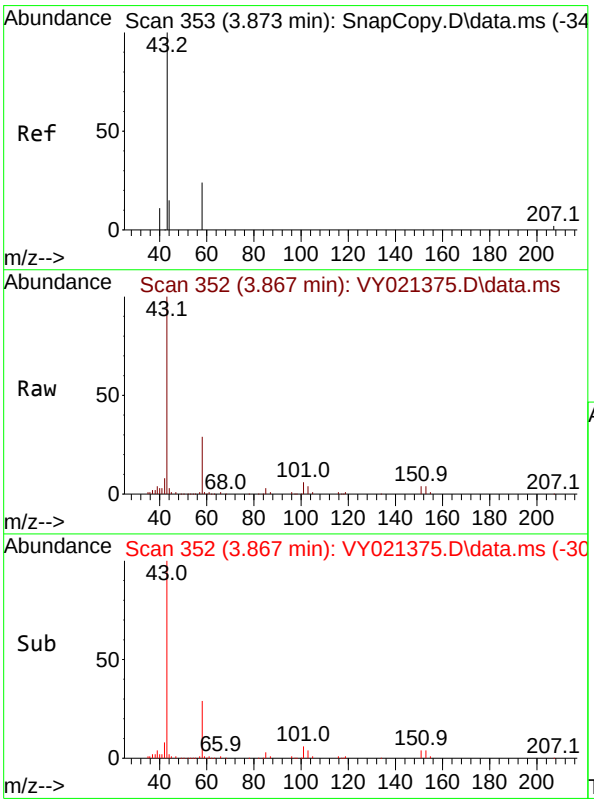
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.5	98.3
51	38.7	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

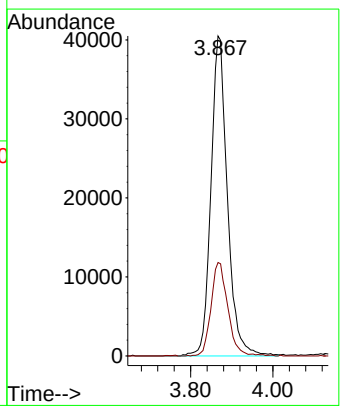


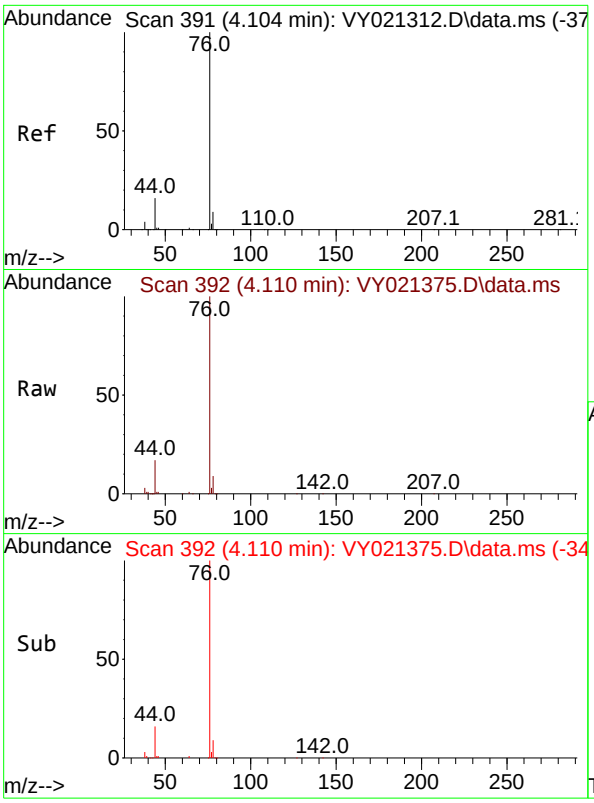


#16
Acetone
Concen: 302.934 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 43 Resp: 112372

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.5	35.3





#17
Carbon Disulfide
Concen: 47.448 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

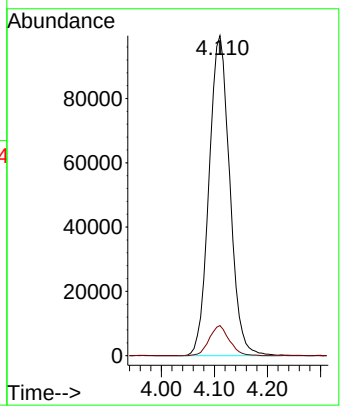
Tgt Ion: 76 Resp: 27024

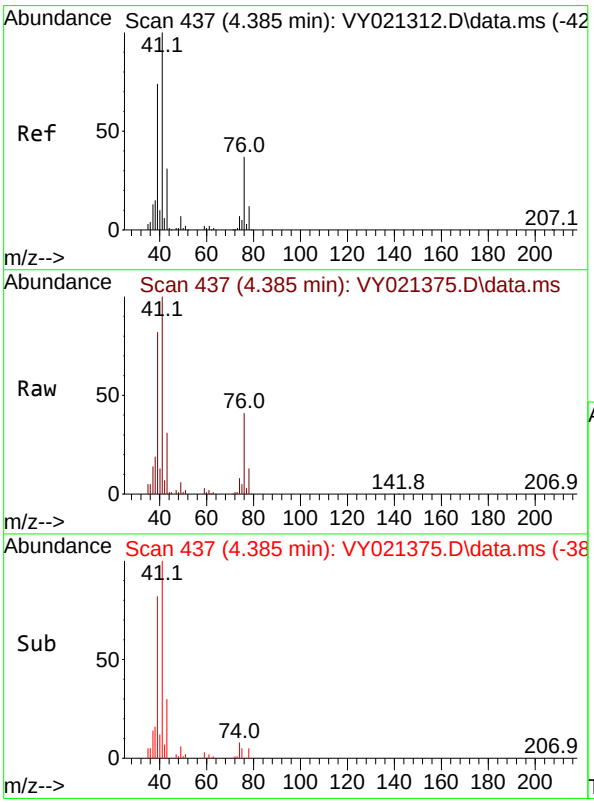
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

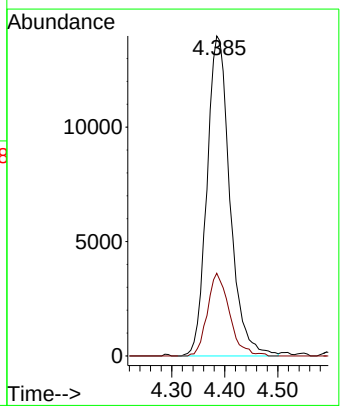


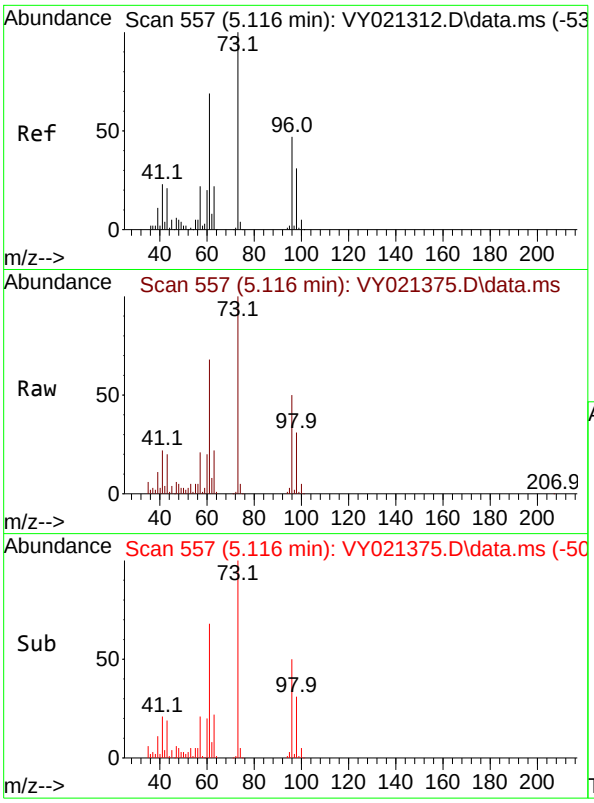


#18
Methyl Acetate
Concen: 46.449 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 43 Resp: 42108

Ion	Ratio	Lower	Upper
43	100		
74	24.8	17.7	26.5

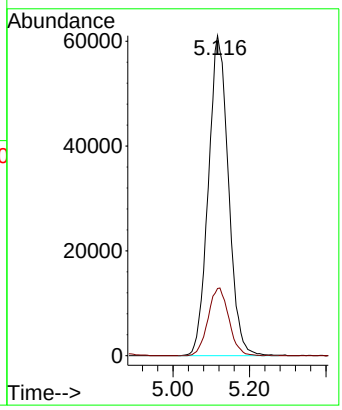




#19
Methyl tert-butyl Ether
Concen: 49.070 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 73 Resp: 22236

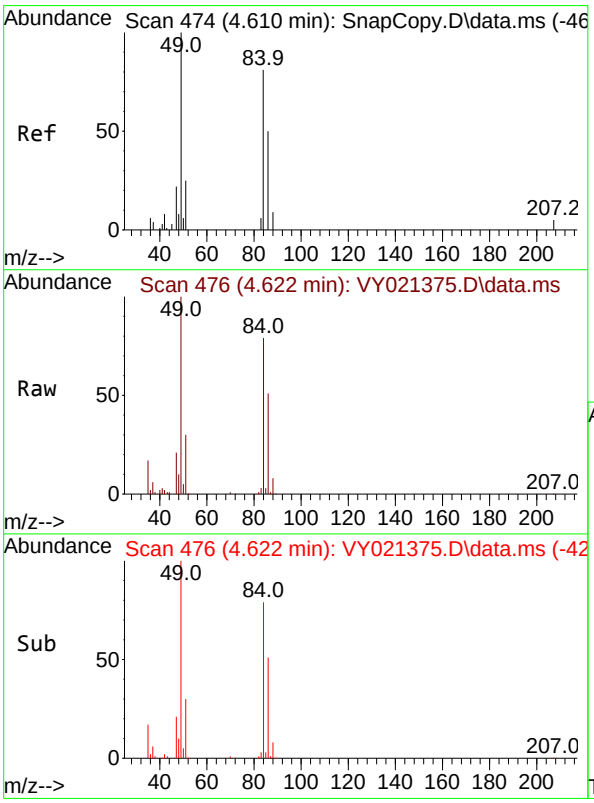
Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

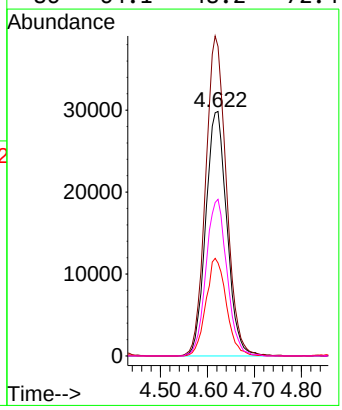
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

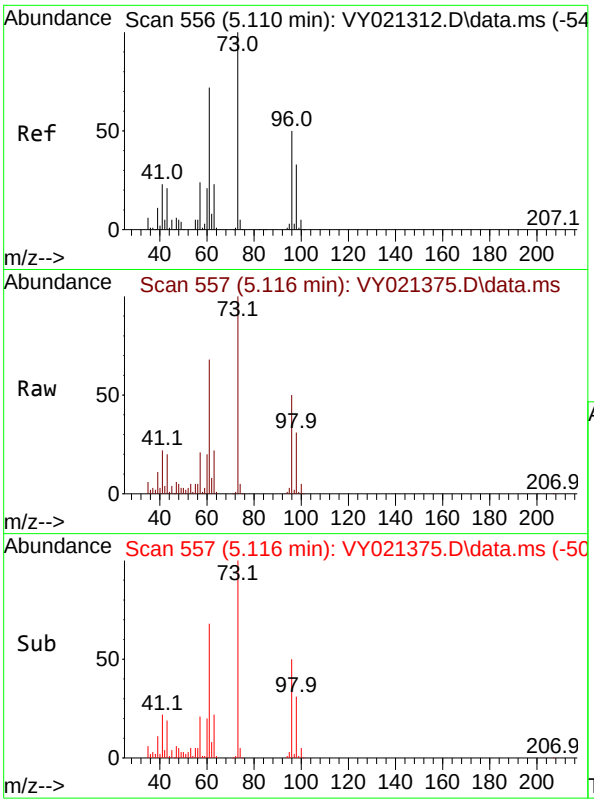


#20
Methylene Chloride
Concen: 46.504 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 84 Resp: 93282

Ion	Ratio	Lower	Upper
84	100		
49	126.5	105.1	157.7
51	38.0	31.0	46.4
86	64.1	48.2	72.4

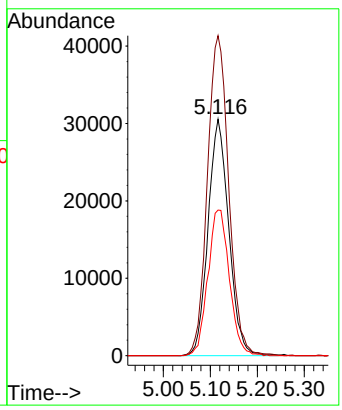




#21
trans-1,2-Dichloroethene
Concen: 49.547 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 96 Resp: 9355

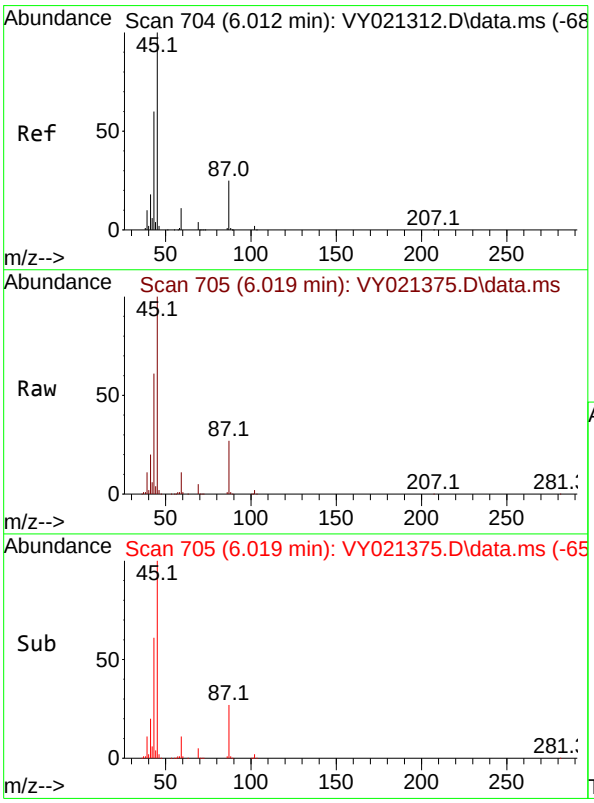
Ion	Ratio	Lower	Upper
96	100		
61	135.3	116.3	174.5
98	61.6	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

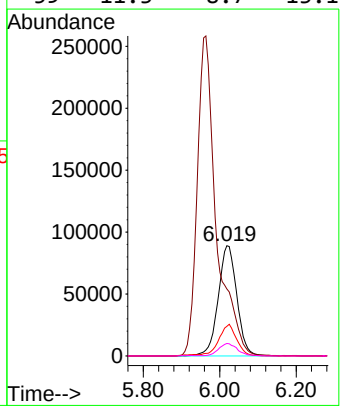
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

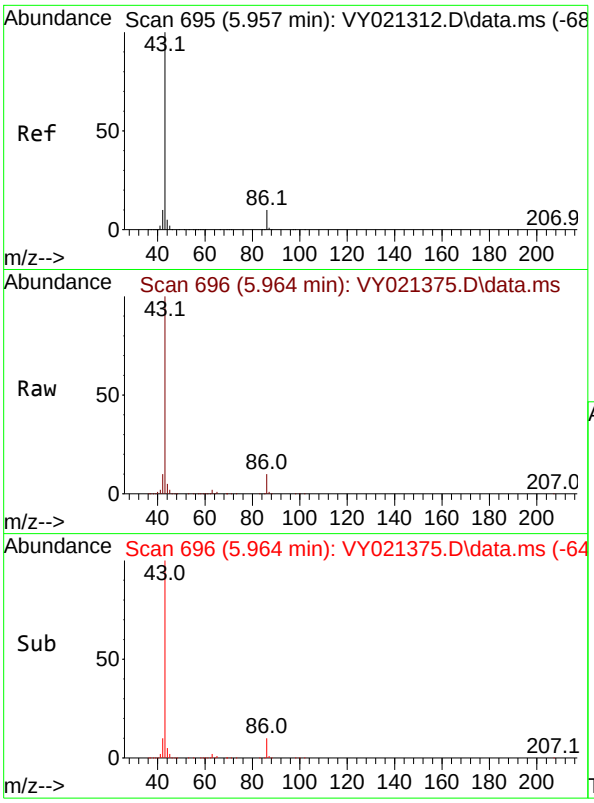


#22
Diisopropyl ether
Concen: 47.952 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 45 Resp: 301755

Ion	Ratio	Lower	Upper
45	100		
43	60.6	48.2	72.4
87	26.9	20.3	30.5
59	11.3	8.7	13.1





#23
Vinyl Acetate
Concen: 238.456 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

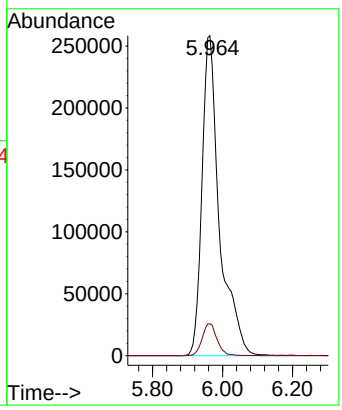
Tgt Ion: 43 Resp: 89670

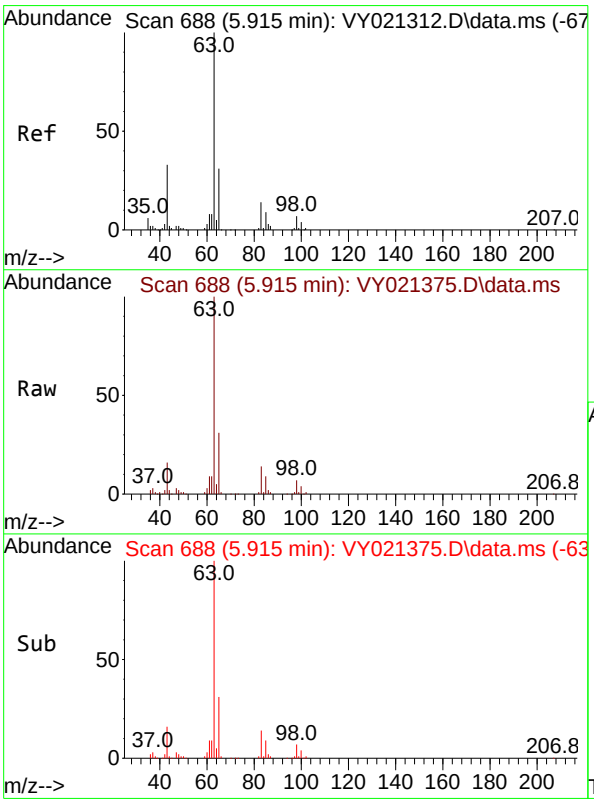
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

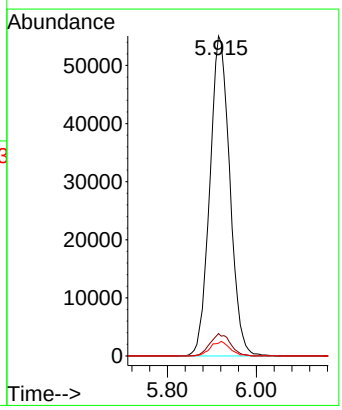


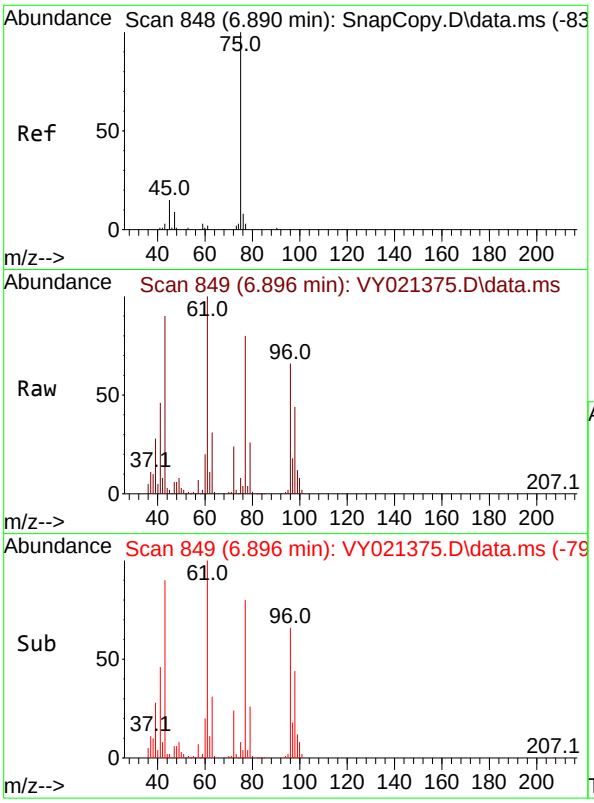


#24
1,1-Dichloroethane
Concen: 48.476 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 63 Resp: 171936

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.7	11.1
100	4.0	2.1	6.5





#25
2-Butanone
Concen: 253.463 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

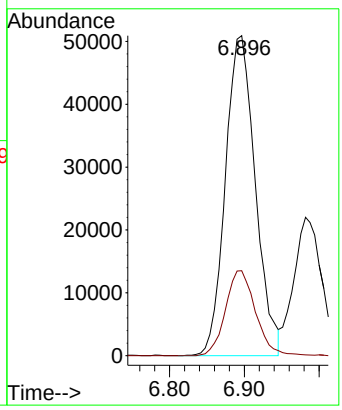
Tgt Ion: 43 Resp: 14190

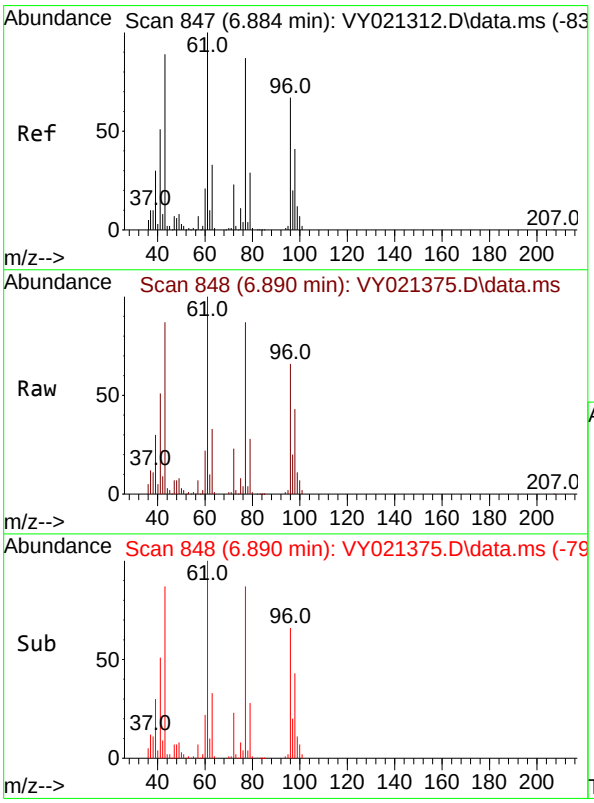
Ion	Ratio	Lower	Upper
43	100		
72	26.6	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

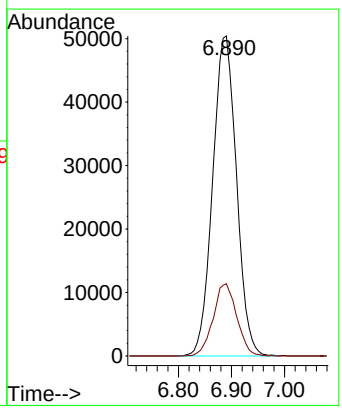


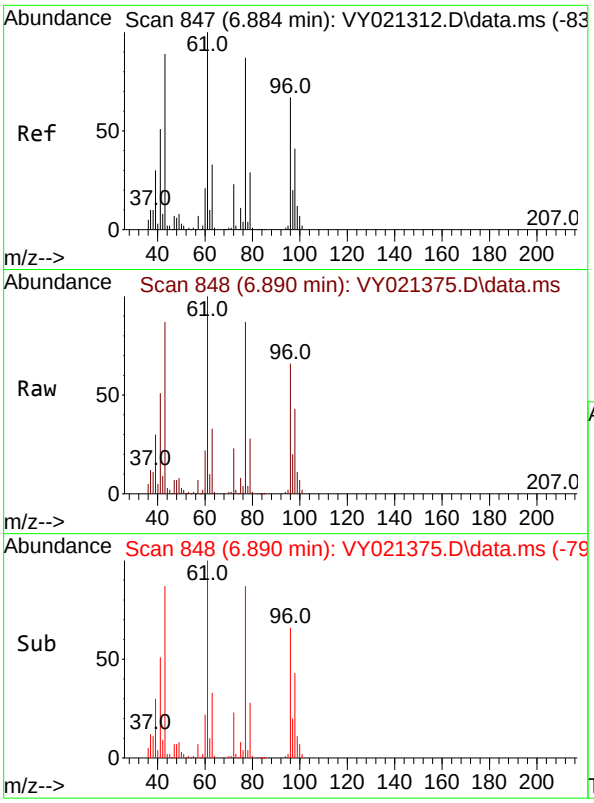


#26
2,2-Dichloropropane
Concen: 48.821 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 77 Resp: 157120

Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.9	32.7

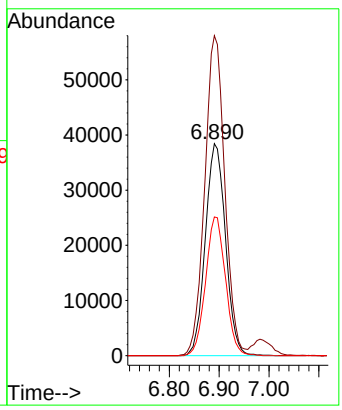




#27
cis-1,2-Dichloroethene
Concen: 50.189 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 96 Resp: 10821

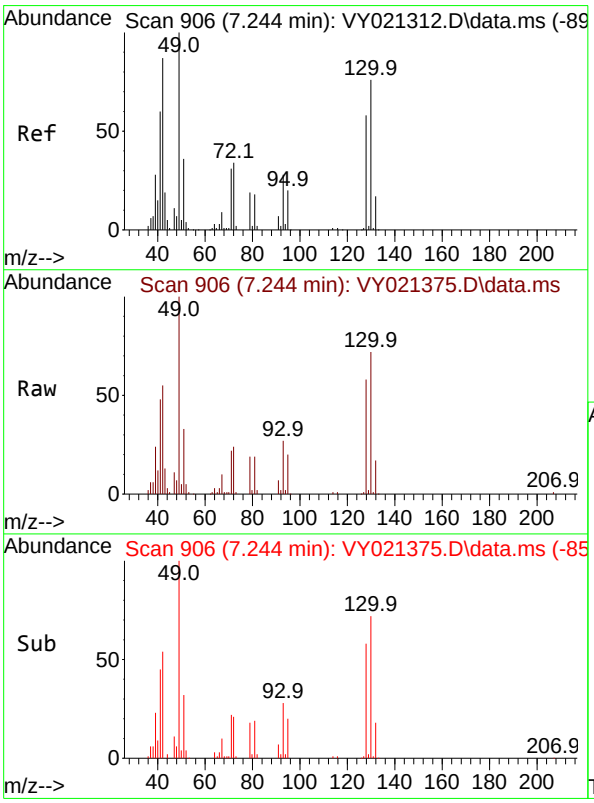
Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	308.0
98	64.5	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

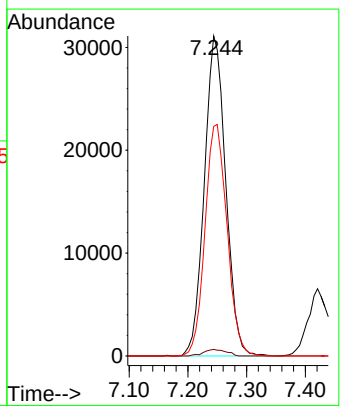
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

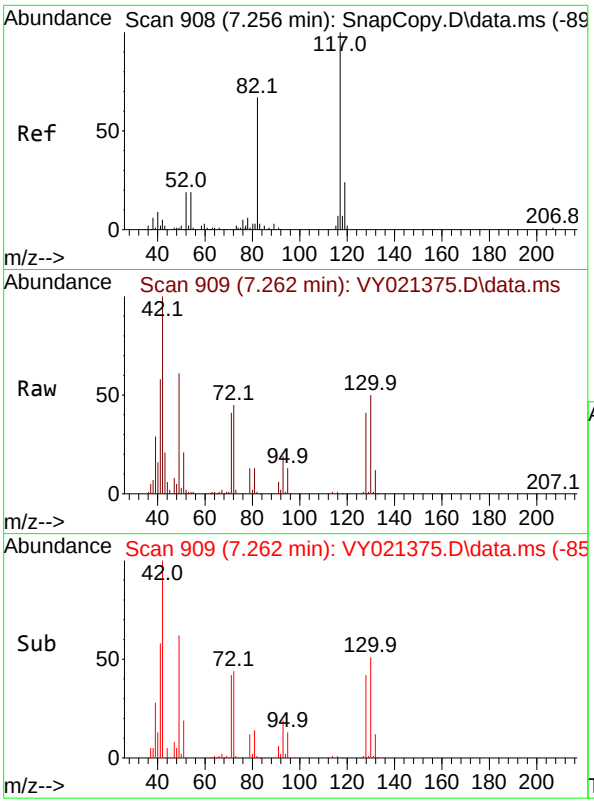


#28
Bromochloromethane
Concen: 50.196 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 49 Resp: 78777

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	74.5	57.8	86.6

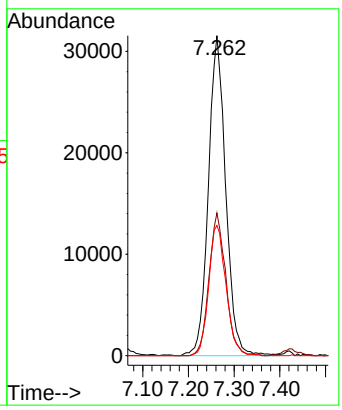




#29
Tetrahydrofuran
Concen: 227.342 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 42 Resp: 8319

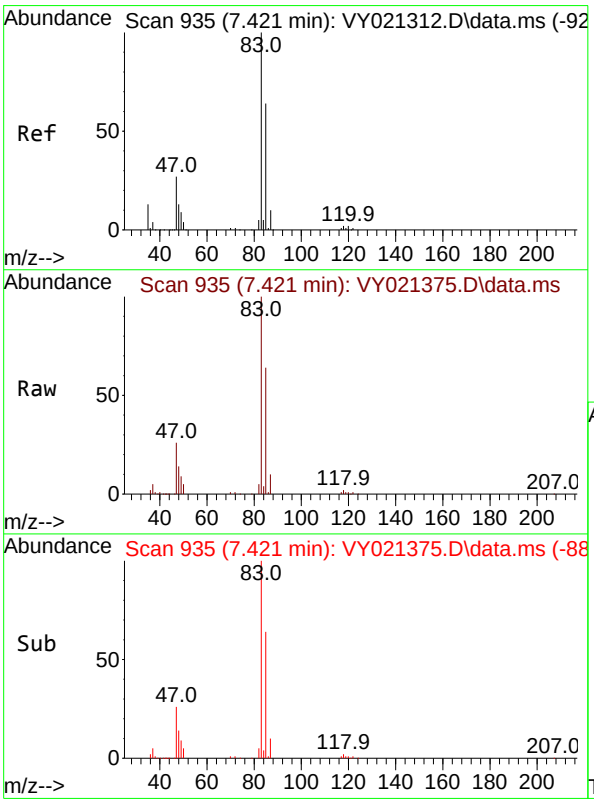
Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.1	49.7
71	40.5	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

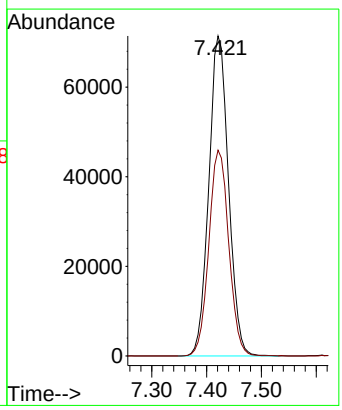
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

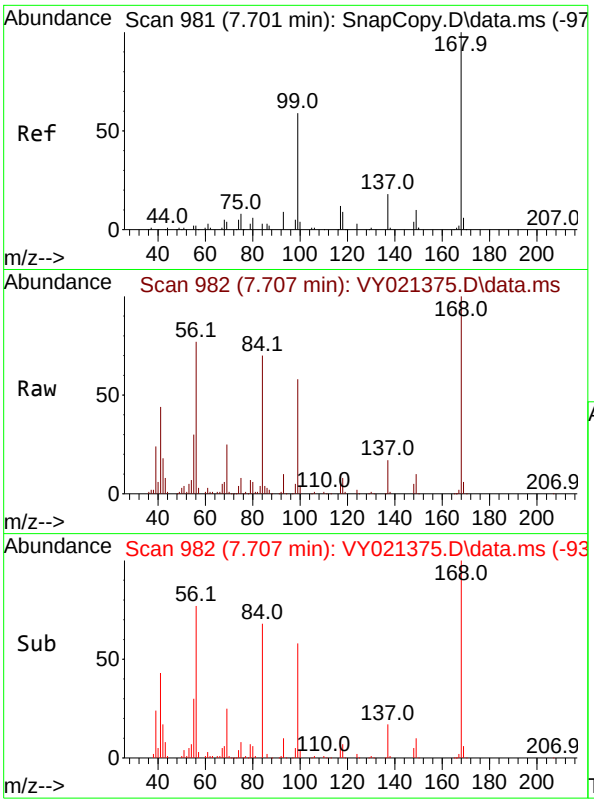


#30
Chloroform
Concen: 49.466 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 83 Resp: 177778

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.6	77.4





#31
Cyclohexane
Concen: 43.387 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

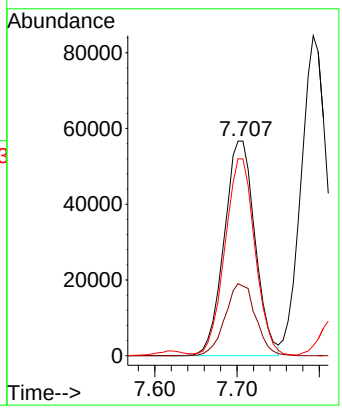
Tgt Ion: 56 Resp: 14792

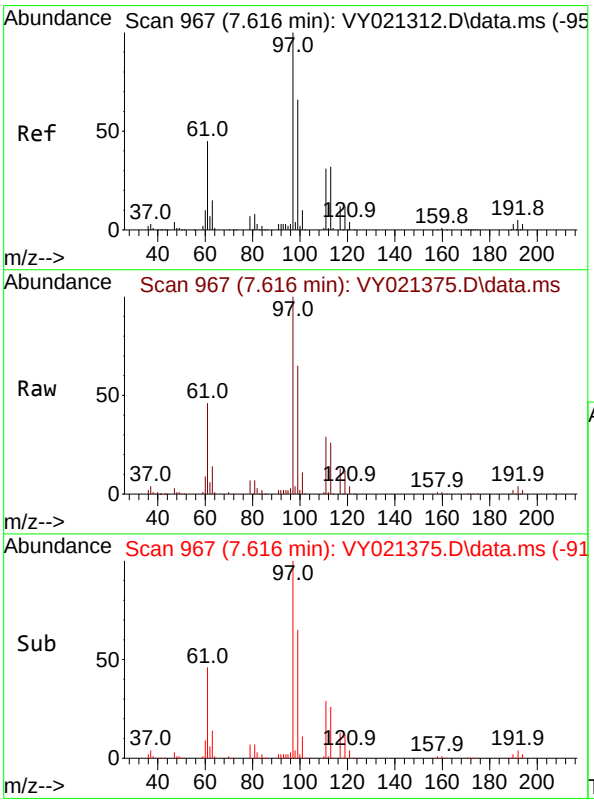
Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.2	39.4
84	89.8	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

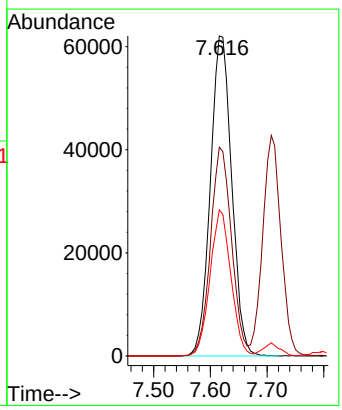


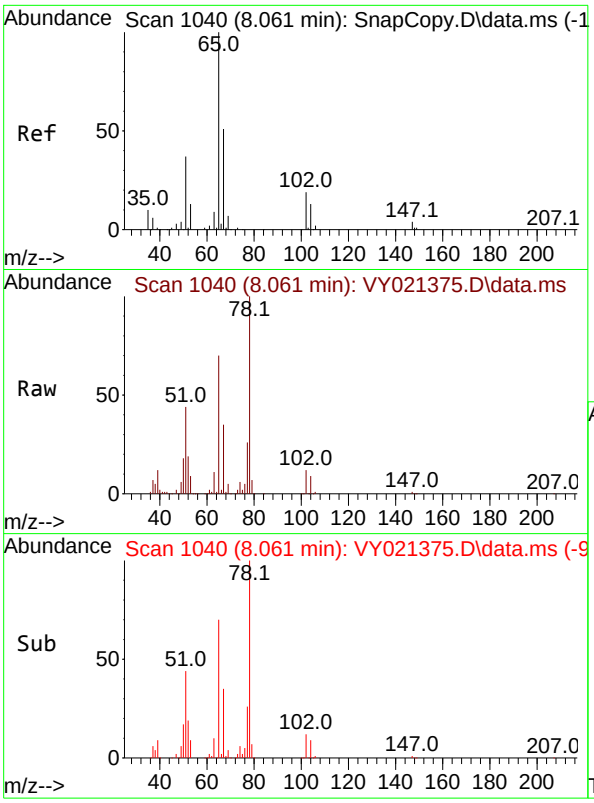


#32
1,1,1-Trichloroethane
Concen: 49.532 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 97 Resp: 162031

Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.4	78.6
61	44.7	36.2	54.2





#33
1,2-Dichloroethane-d4
Concen: 49.947 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

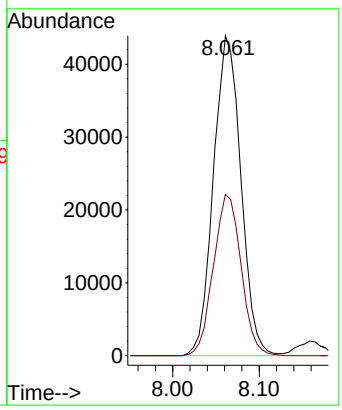
Tgt Ion: 65 Resp: 9658

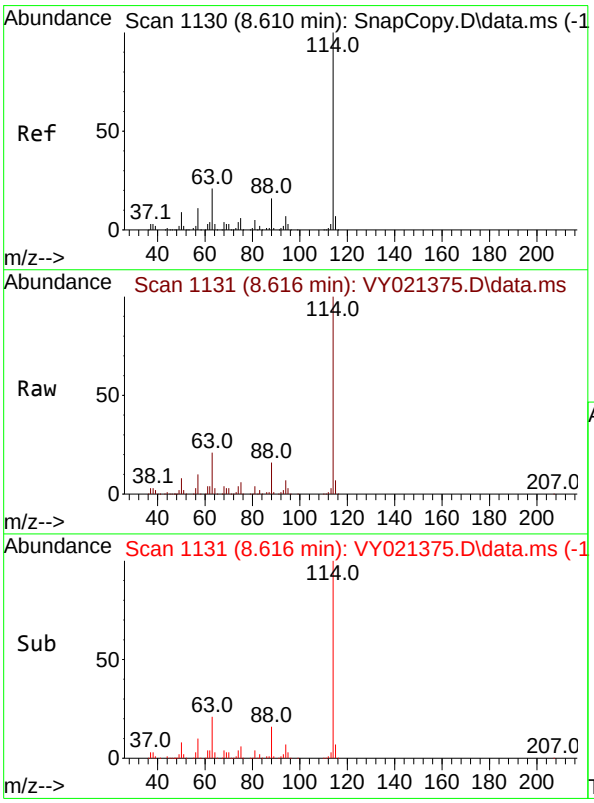
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	103.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

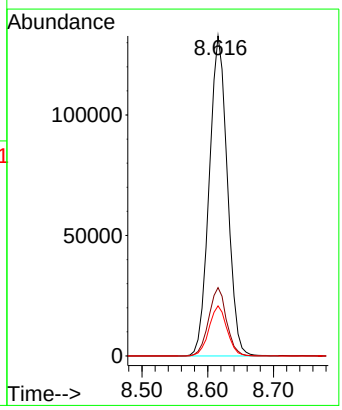


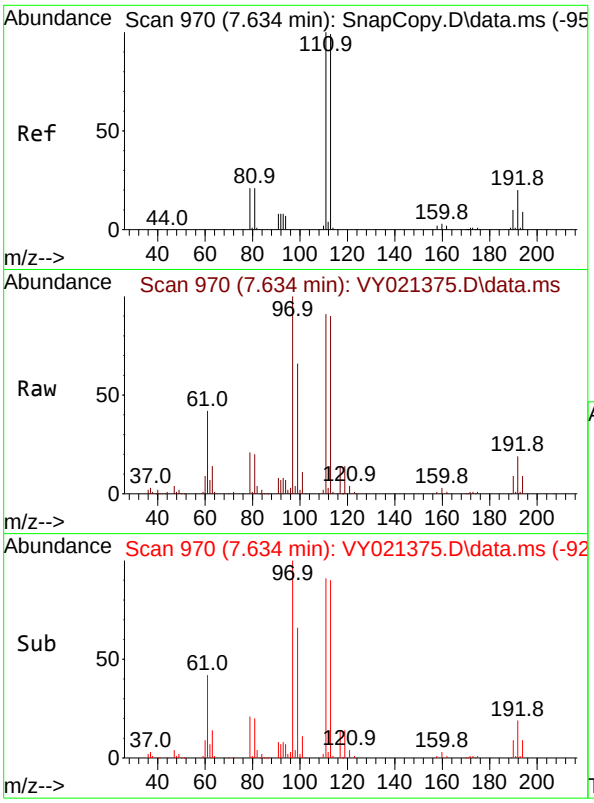


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:114 Resp: 255493

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.2
88	15.6	0.0	29.8

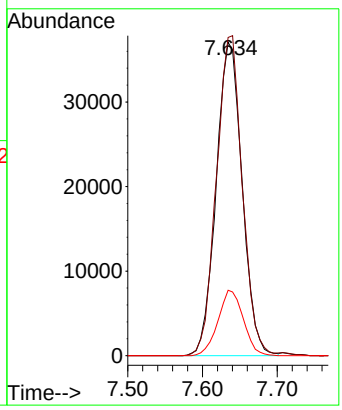




#35
Dibromofluoromethane
Concen: 53.556 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:113 Resp: 8970

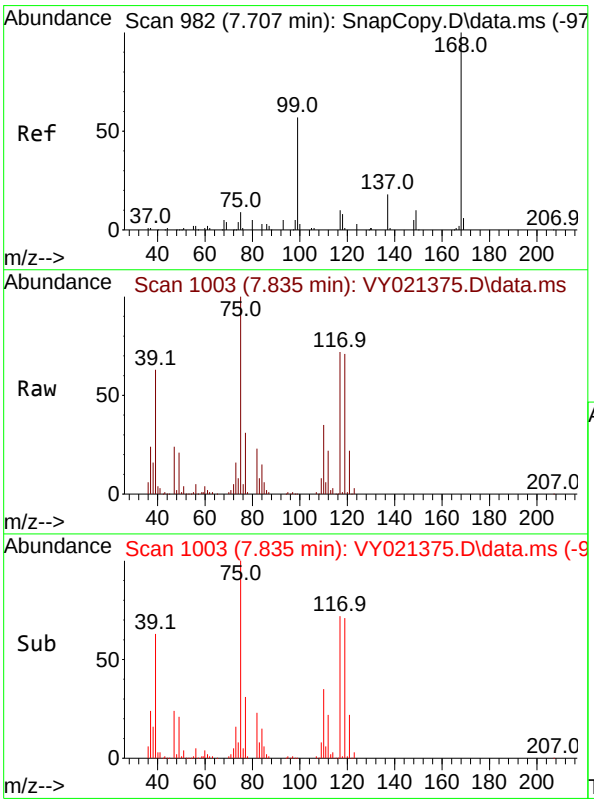
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.6
192	20.3	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

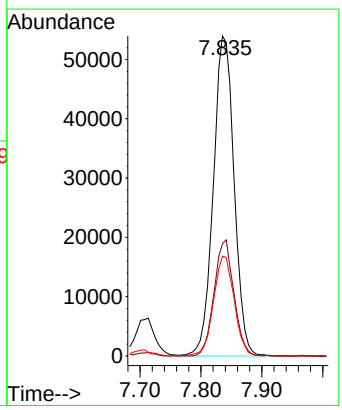
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

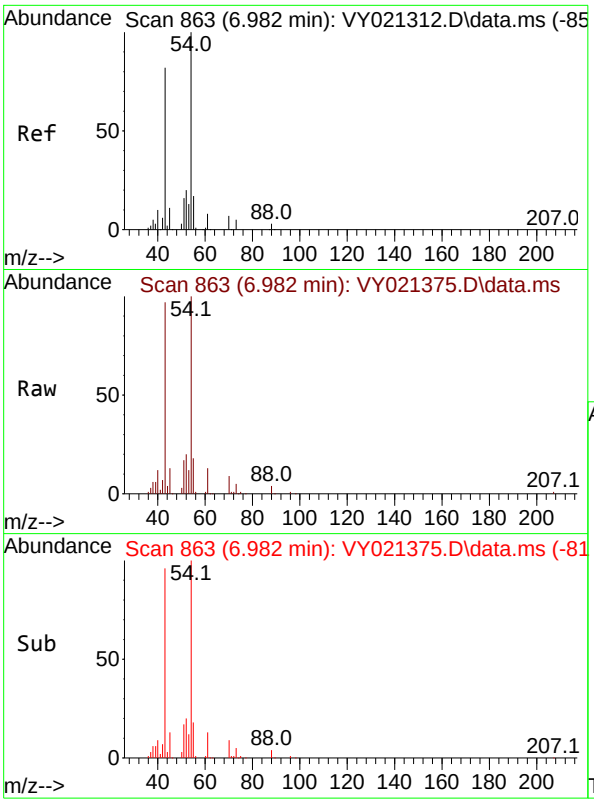


#36
1,1-Dichloropropene
Concen: 50.810 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 75 Resp: 127843

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.7
77	31.0	24.6	36.8





#37
Ethyl Acetate
Concen: 47.578 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

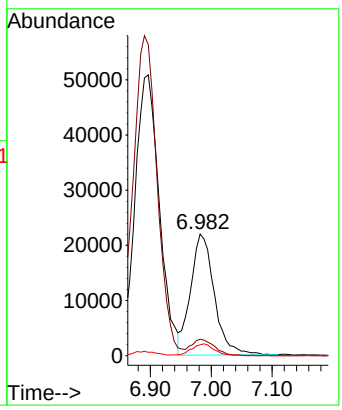
Tgt Ion: 43 Resp: 5954

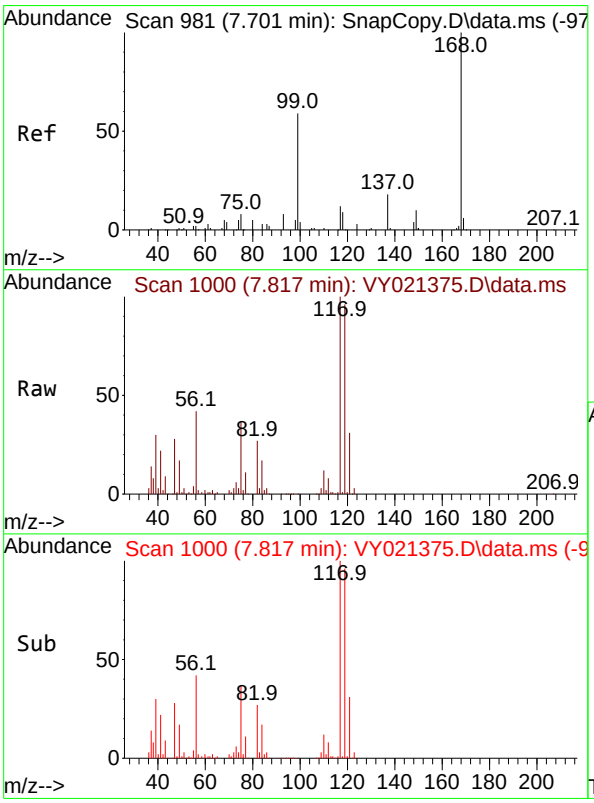
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	9.5	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

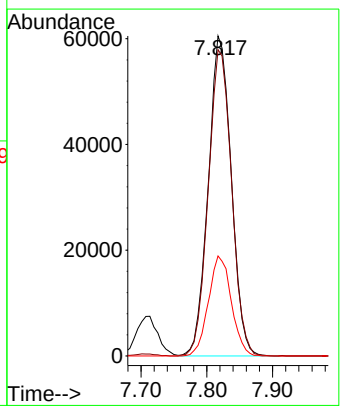


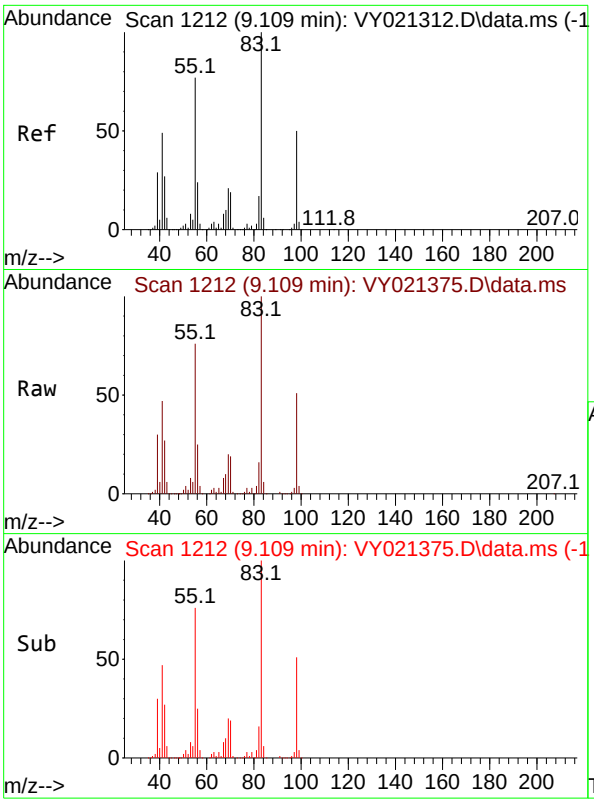


#38
Carbon Tetrachloride
Concen: 52.223 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:117 Resp: 147719

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.0	114.0
121	31.2	24.9	37.3





#39
Methylcyclohexane
Concen: 48.718 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

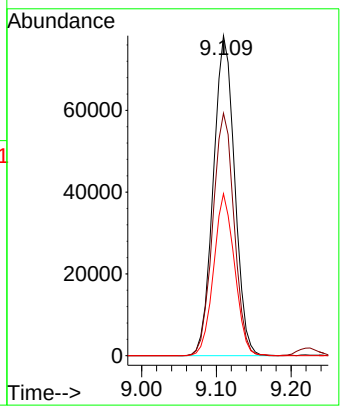
Tgt Ion: 83 Resp: 15503

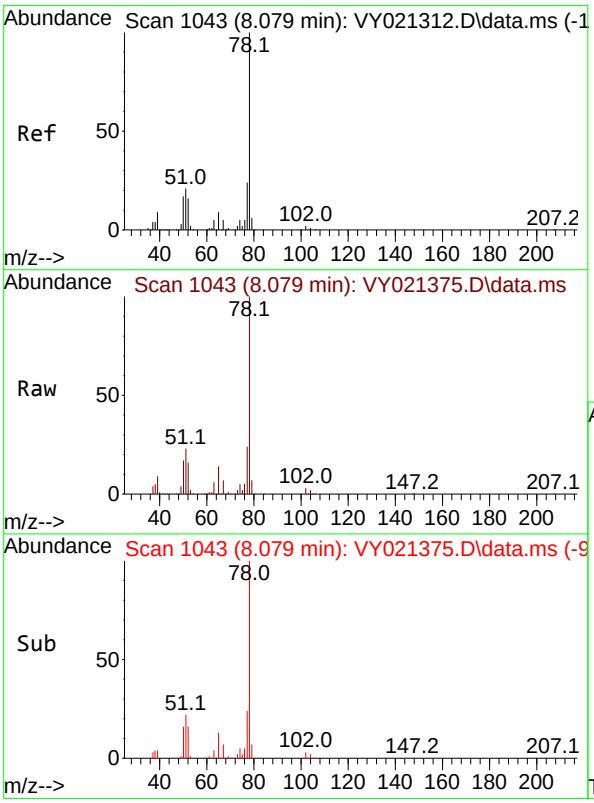
Ion	Ratio	Lower	Upper
83	100		
55	75.8	61.3	91.9
98	50.6	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

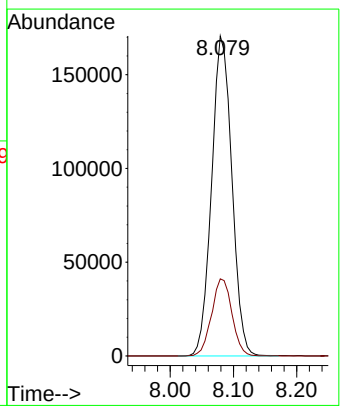


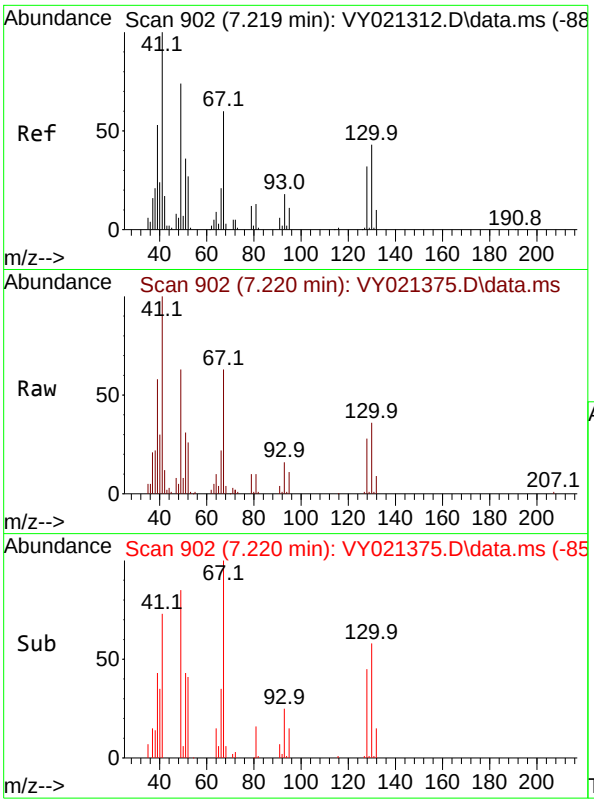


#40
Benzene
Concen: 51.073 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 78 Resp: 379868

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8

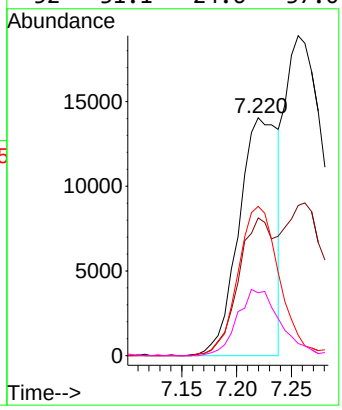




#41
Methacrylonitrile
Concen: 49.854 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 41 Resp: 3488

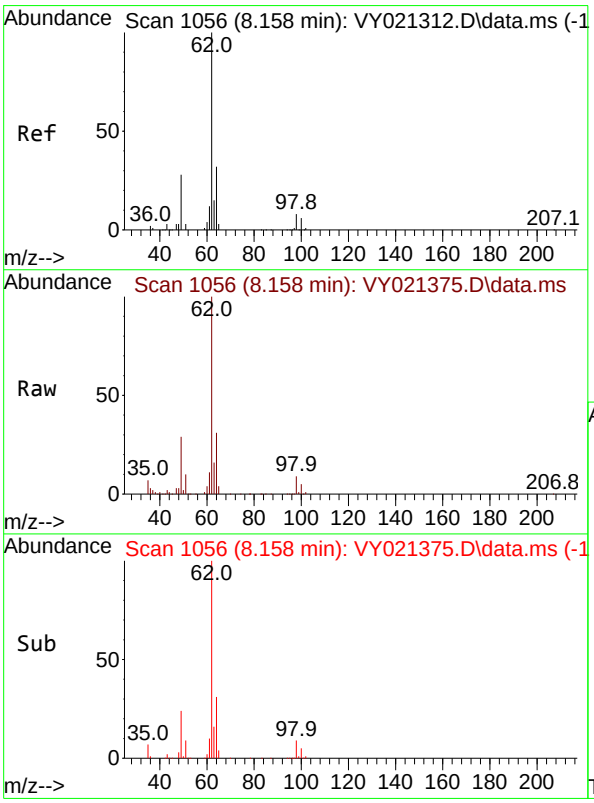
Ion	Ratio	Lower	Upper
41	100		
39	49.0	42.3	63.5
67	67.4	54.8	82.2
52	31.1	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

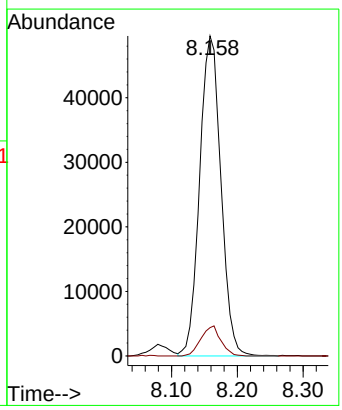
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

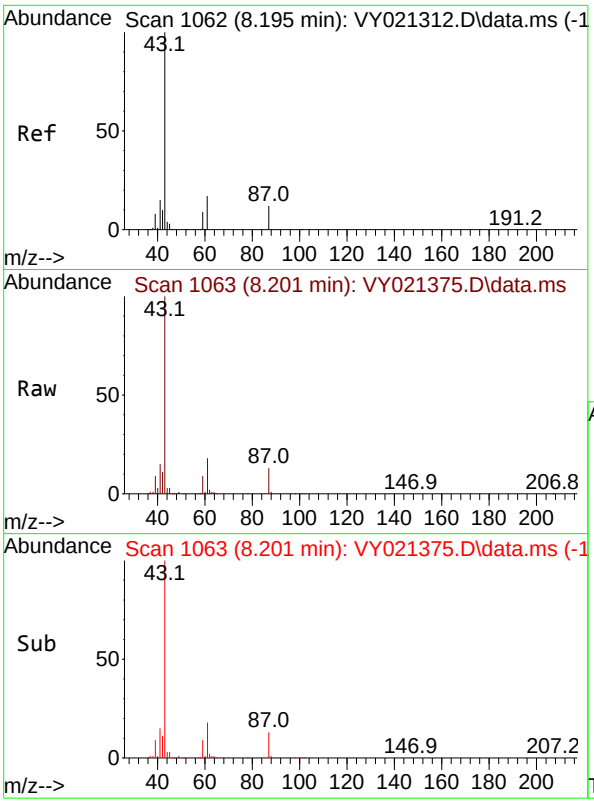


#42
1,2-Dichloroethane
Concen: 52.760 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 62 Resp: 111336

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6

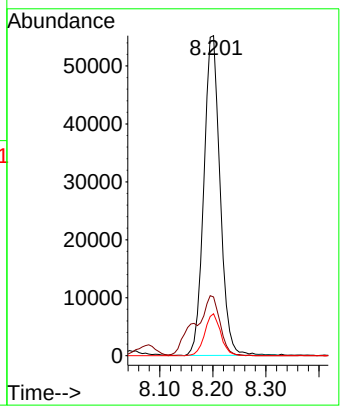




#43
Isopropyl Acetate
Concen: 48.330 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 43 Resp: 11708

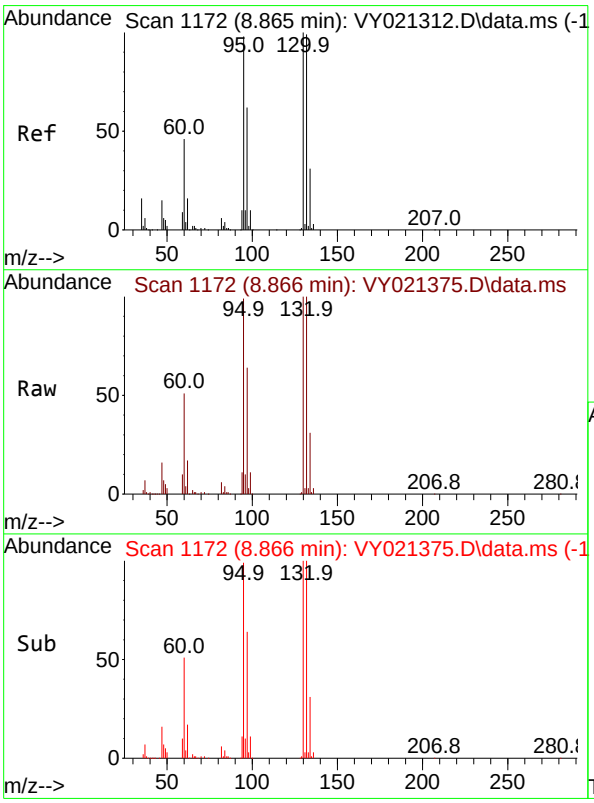
Ion	Ratio	Lower	Upper
43	100		
61	28.8	15.0	22.6
87	13.0	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

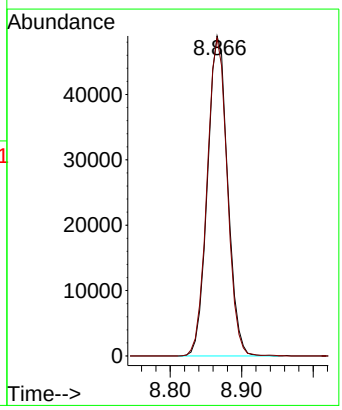
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

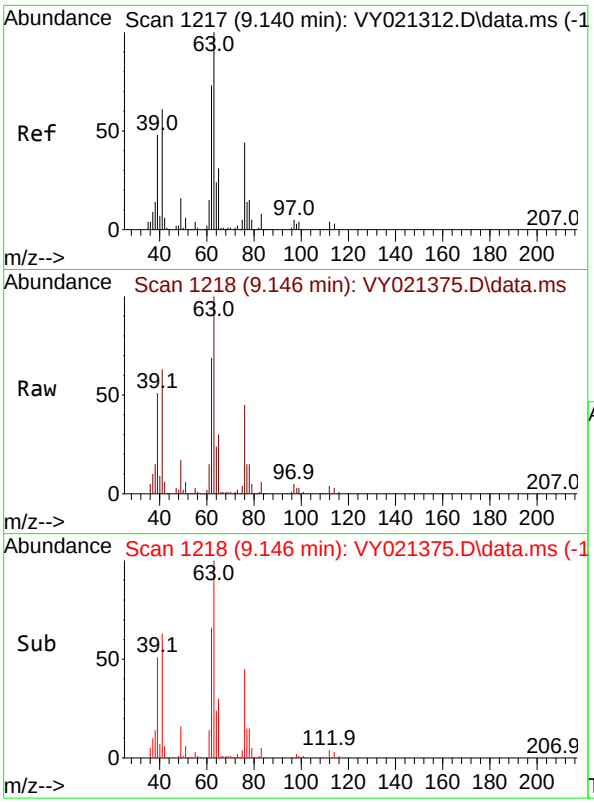


#44
Trichloroethene
Concen: 51.489 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:130 Resp: 95880

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	196.0





#45
1,2-Dichloropropane
Concen: 50.814 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

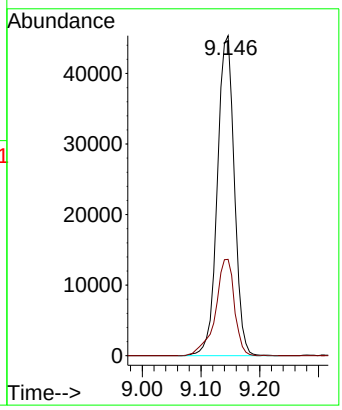
Tgt Ion: 63 Resp: 9095

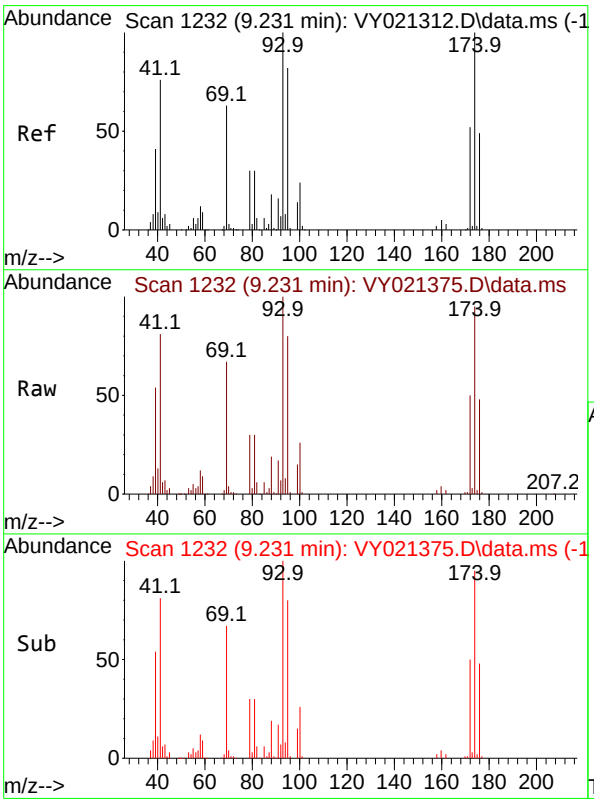
Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

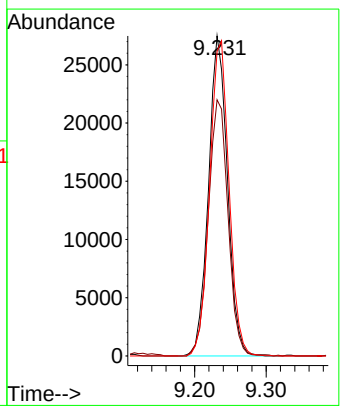


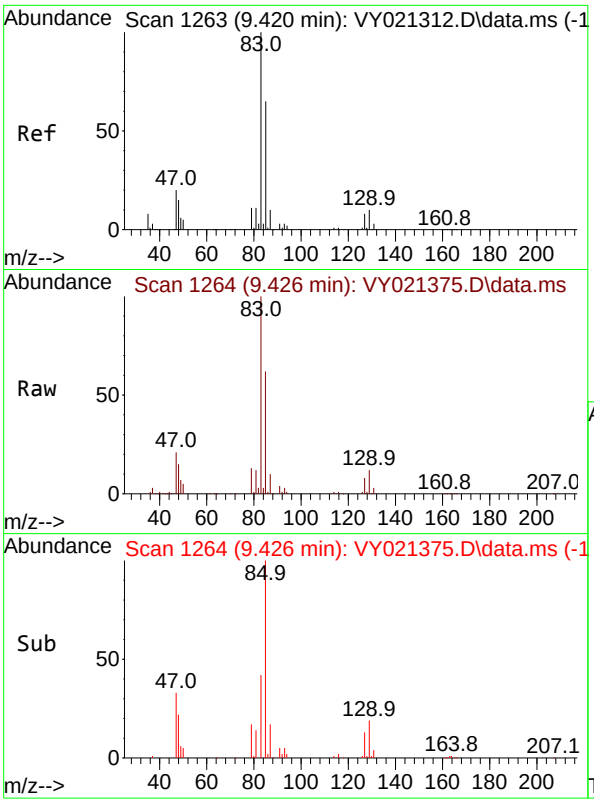


#46
Dibromomethane
Concen: 51.775 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 93 Resp: 50657

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	100.6	78.2	117.2

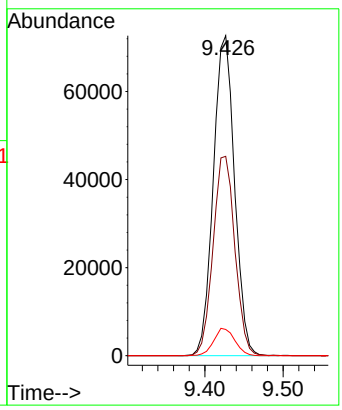




#47
Bromodichloromethane
Concen: 52.552 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 83 Resp: 13709

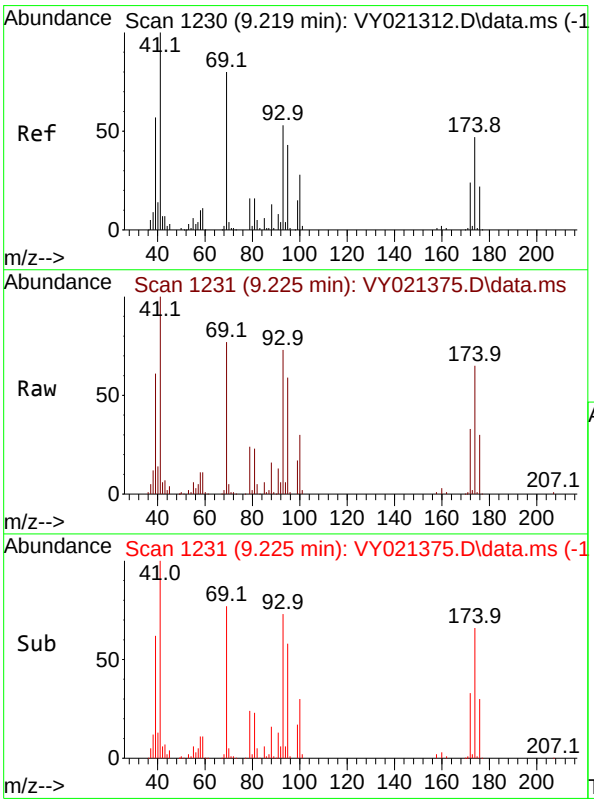
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.8	77.8
127	8.2	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

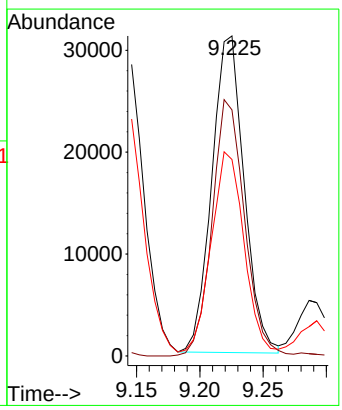
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

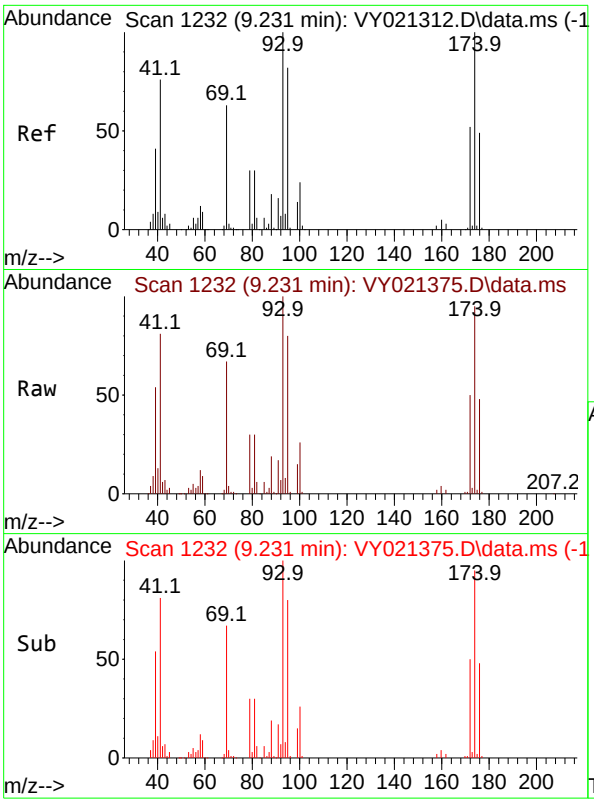


#48
Methyl methacrylate
Concen: 48.776 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 41 Resp: 55255

Ion	Ratio	Lower	Upper
41	100		
69	81.1	63.3	94.9
39	63.9	45.0	67.6





#49
1,4-Dioxane
Concen: 987.591 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

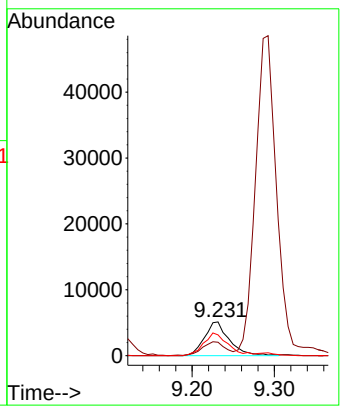
Tgt Ion: 88 Resp: 1074

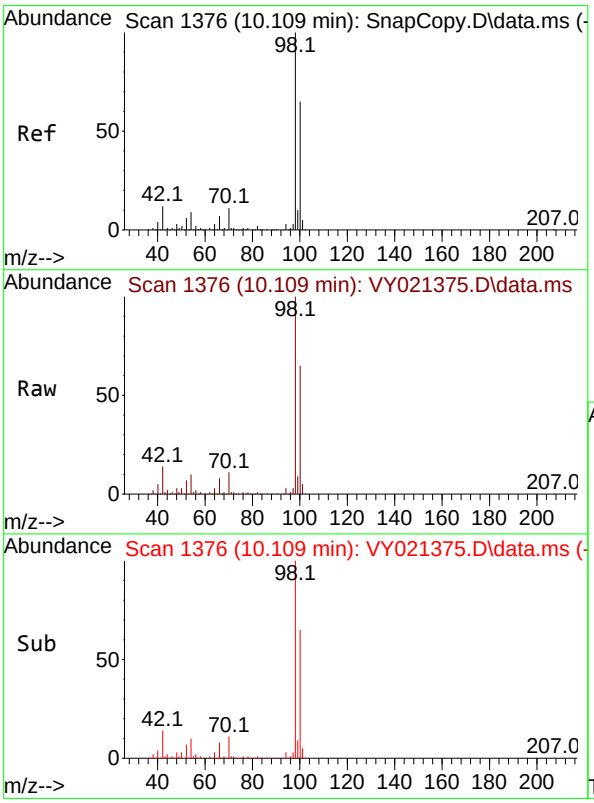
Ion	Ratio	Lower	Upper
88	100		
43	39.0	34.8	52.2
58	65.8	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

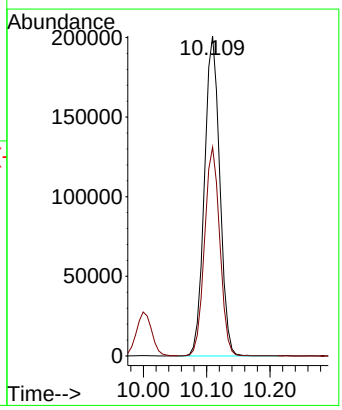


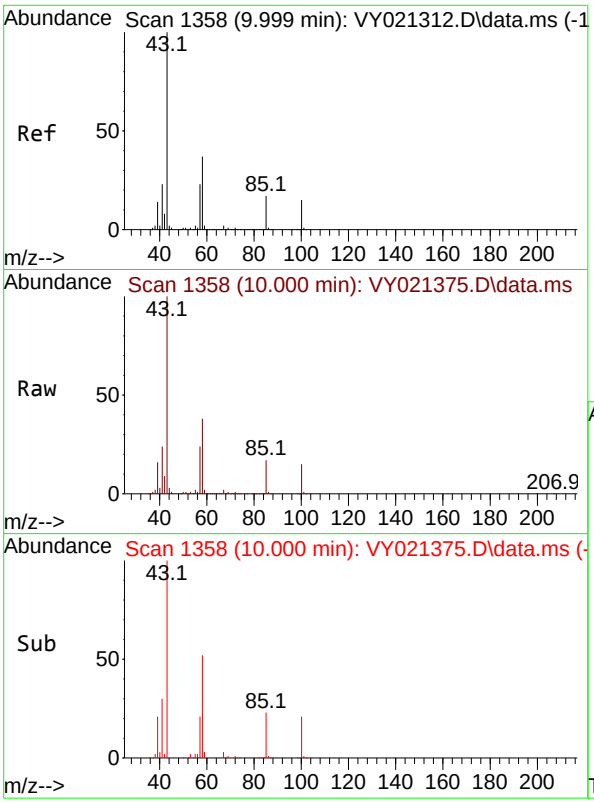


#50
Toluene-d8
Concen: 52.386 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 98 Resp: 339126

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6

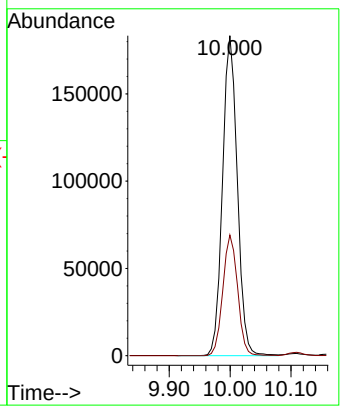




#51
4-Methyl-2-Pentanone
Concen: 249.526 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 43 Resp: 30943

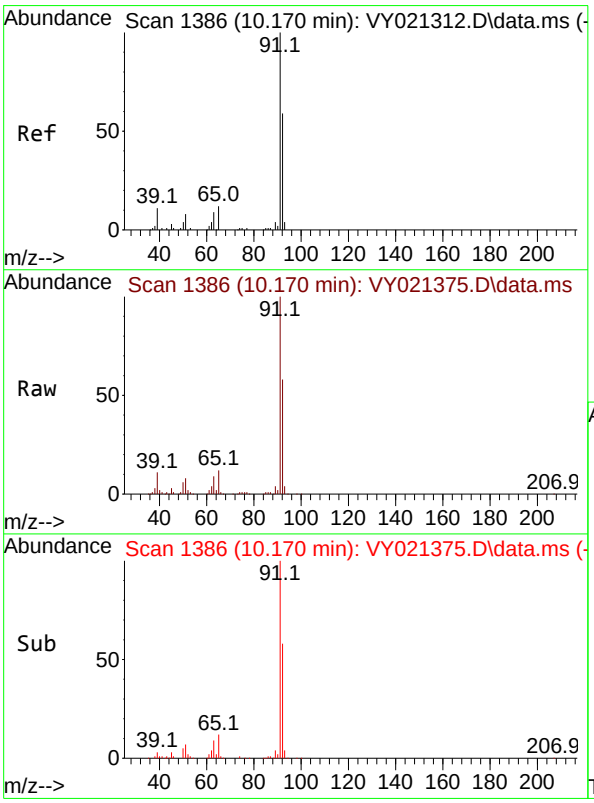
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

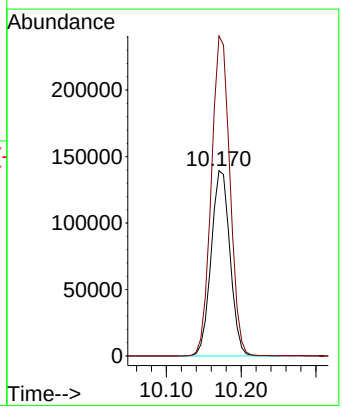
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

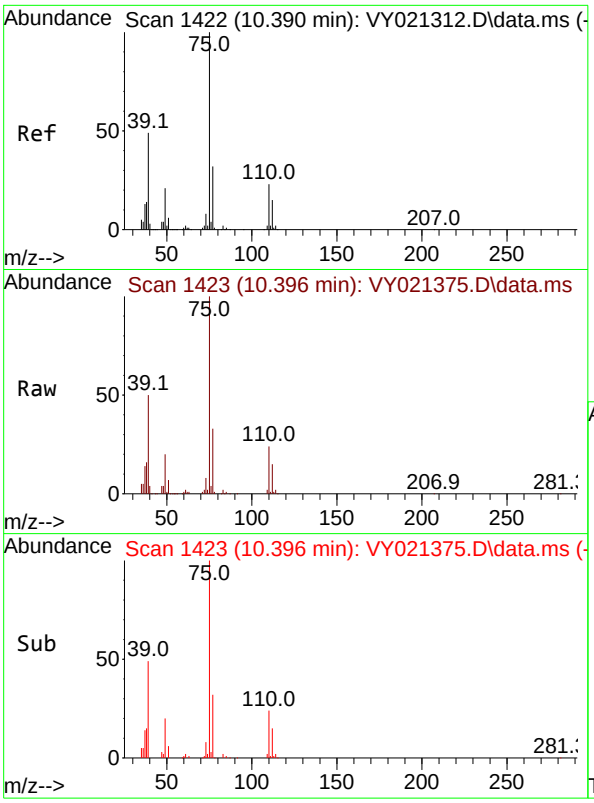


#52
Toluene
Concen: 52.795 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 92 Resp: 243944

Ion	Ratio	Lower	Upper
92	100		
91	170.6	137.8	206.8





#53
t-1,3-Dichloropropene
Concen: 52.124 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

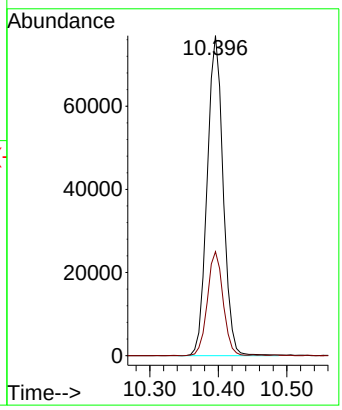
Tgt Ion: 75 Resp: 12458

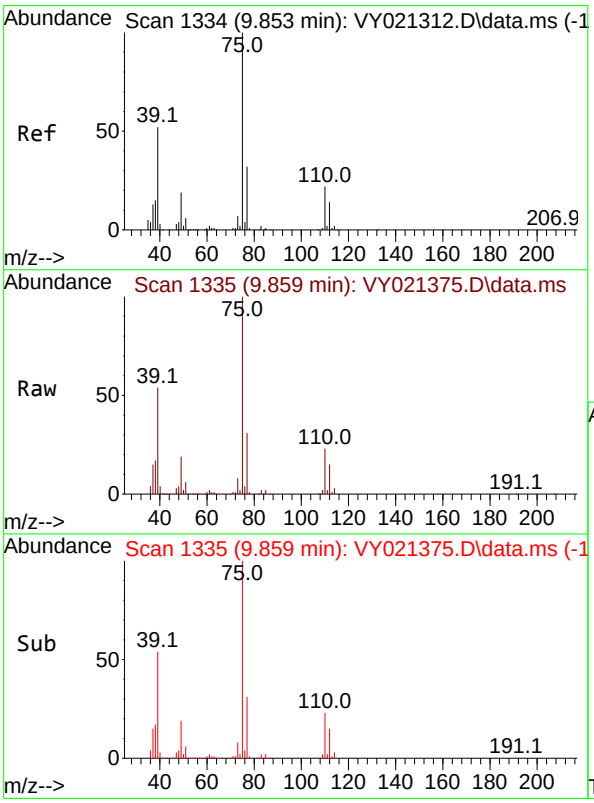
Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.3	37.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

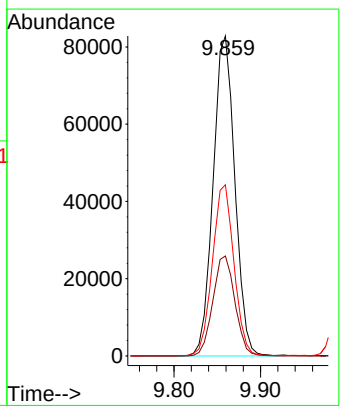


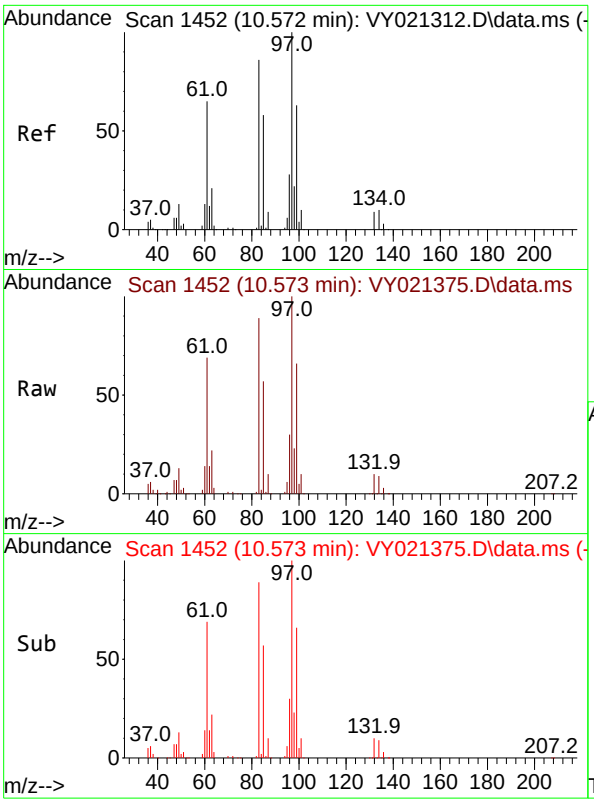


#54
cis-1,3-Dichloropropene
Concen: 51.138 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 75 Resp: 144293

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.7	38.5
39	53.4	41.8	62.6

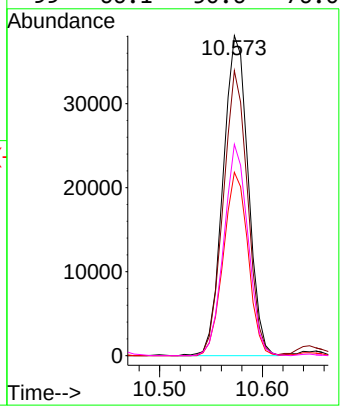




#55
1,1,2-Trichloroethane
Concen: 50.869 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 97 Resp: 6483

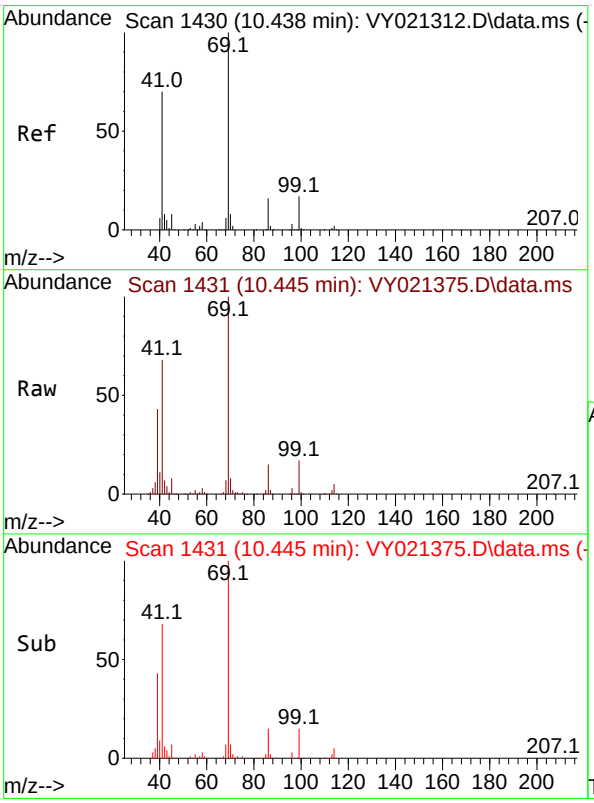
Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.7	103.1
85	57.3	46.3	69.5
99	66.1	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

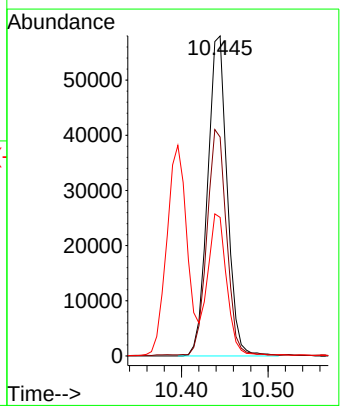
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

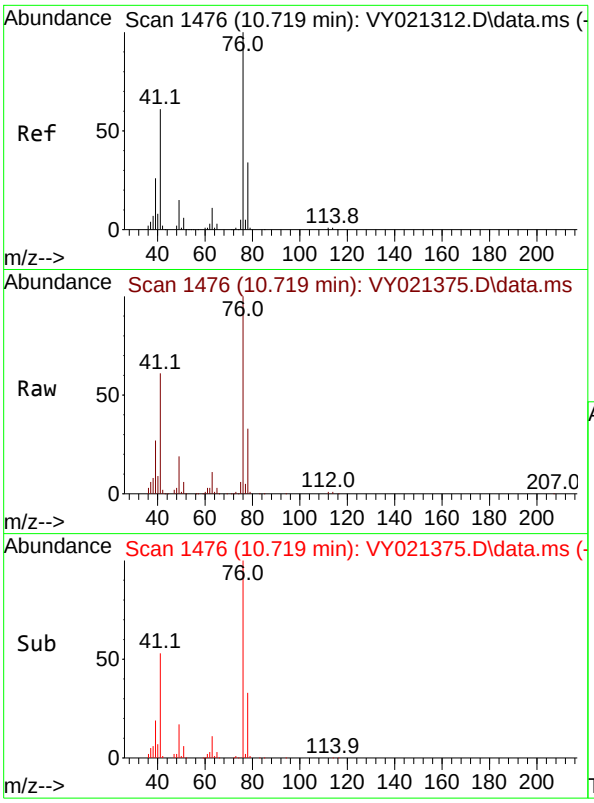


#56
Ethyl methacrylate
Concen: 51.680 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 69 Resp: 91017

Ion	Ratio	Lower	Upper
69	100		
41	71.1	56.2	84.4
39	42.1	32.7	49.1





#57
1,3-Dichloropropane
Concen: 51.430 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

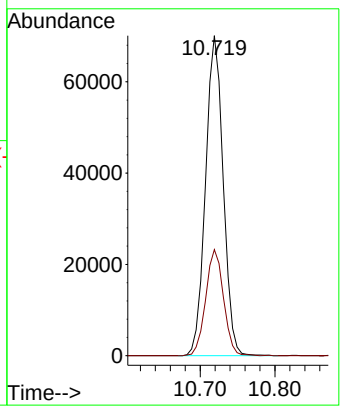
Tgt Ion: 76 Resp: 11503

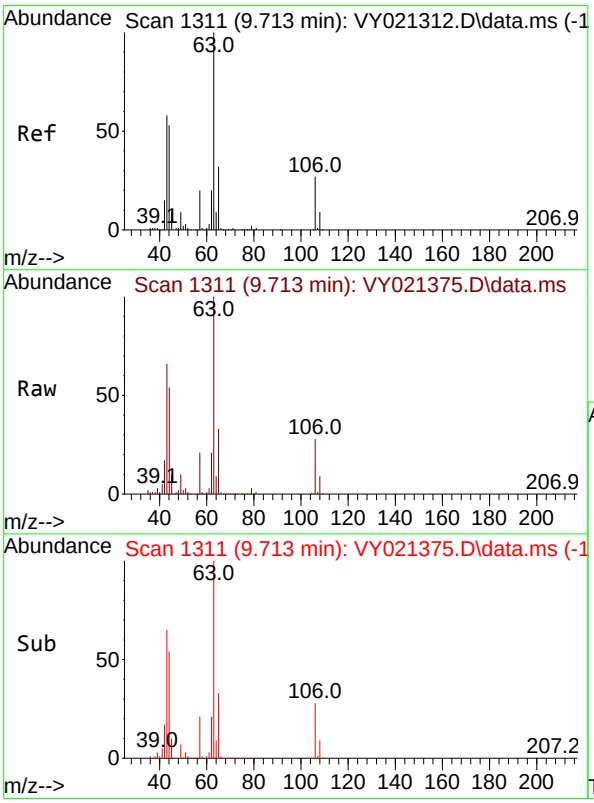
Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

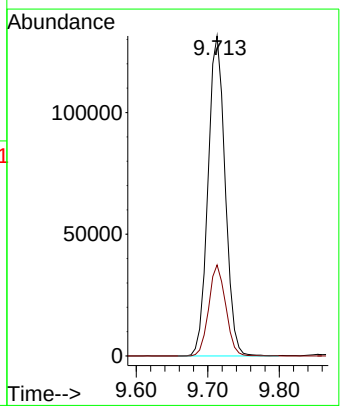


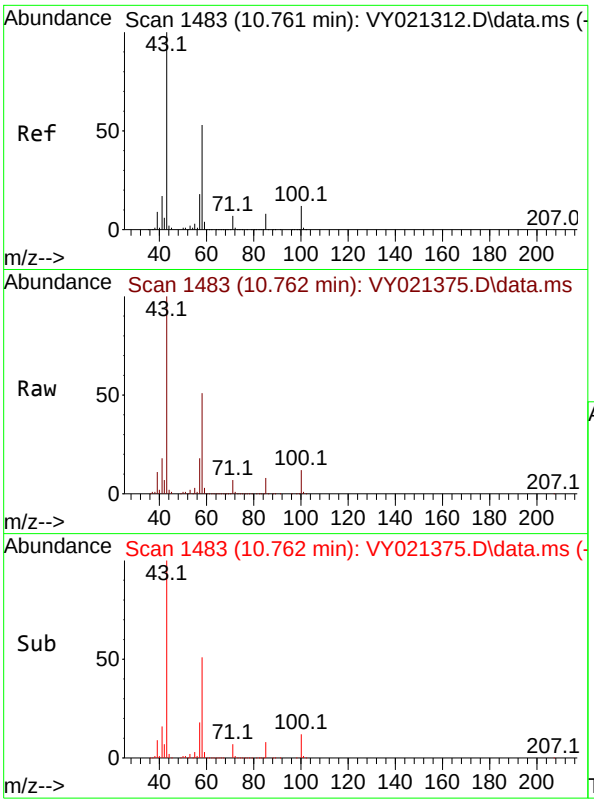


#58
2-Chloroethyl Vinyl ether
Concen: 257.917 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 63 Resp: 218026

Ion	Ratio	Lower	Upper
63	100		
106	28.1	21.7	32.5





#59
2-Hexanone
Concen: 263.746 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

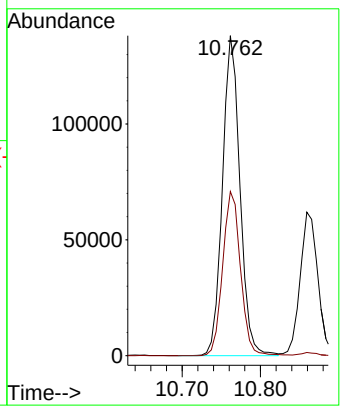
Tgt Ion: 43 Resp: 214799

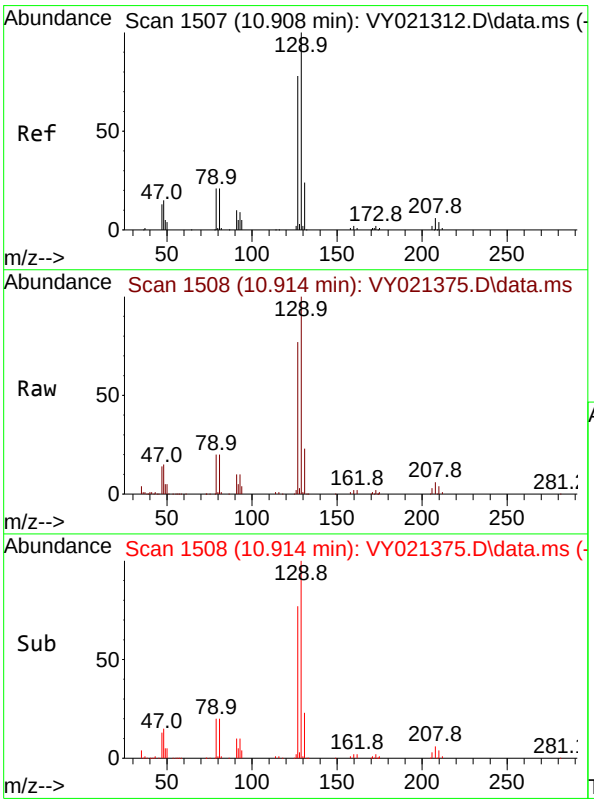
Ion	Ratio	Lower	Upper
43	100		
58	52.4	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

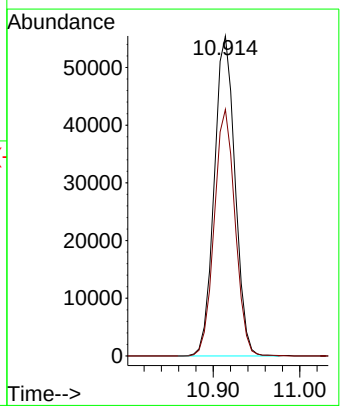


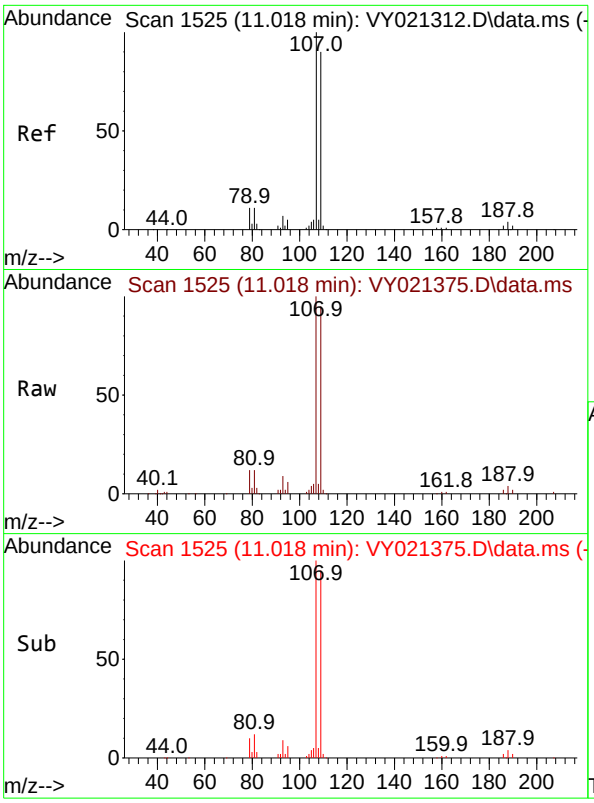


#60
Dibromochloromethane
Concen: 53.214 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:129 Resp: 92375

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.8	116.4





#61
1,2-Dibromoethane
Concen: 50.958 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

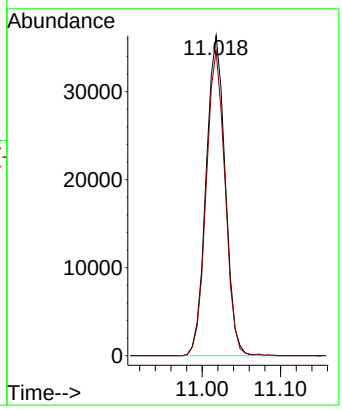
Tgt Ion:107 Resp: 6149

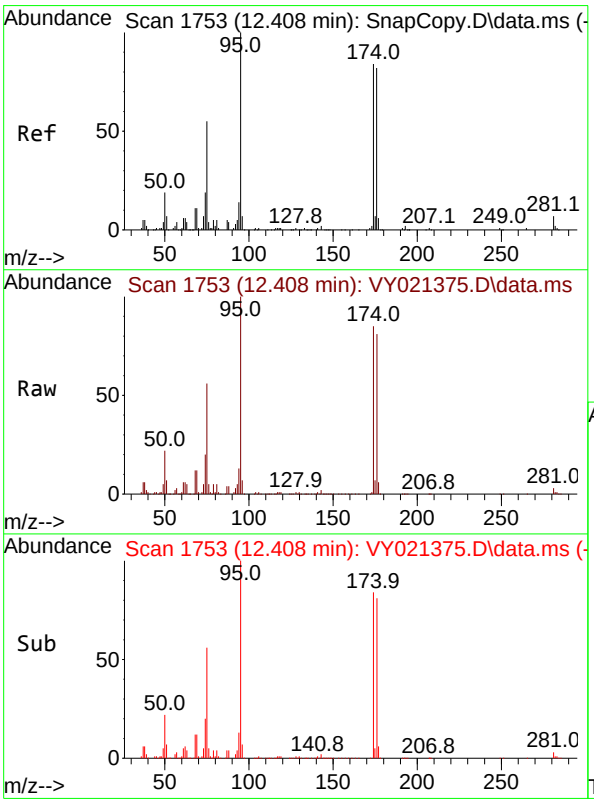
Ion	Ratio	Lower	Upper
107	100		
109	93.9	73.8	110.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

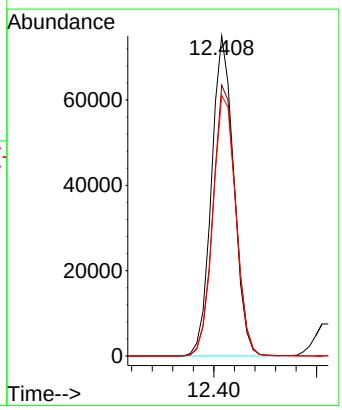


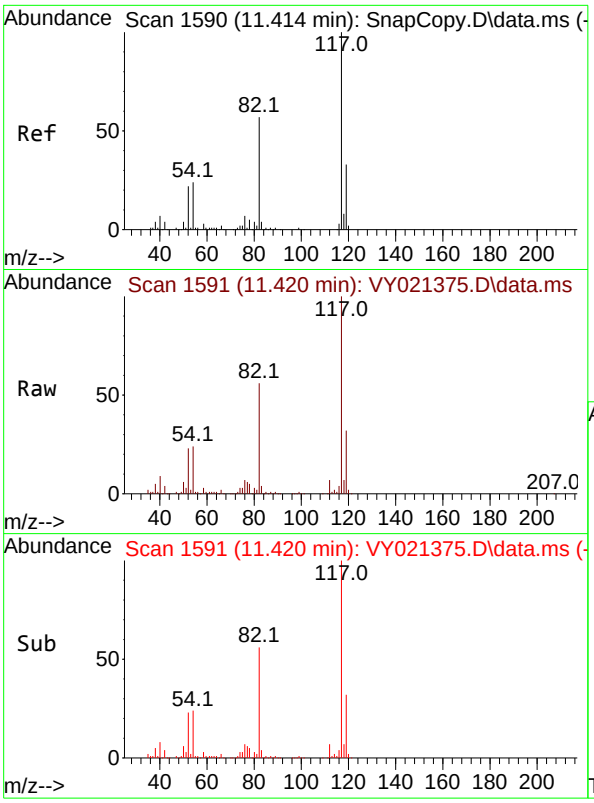


#62
4-Bromofluorobenzene
Concen: 51.750 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 95 Resp: 112745

Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	168.0
176	83.8	0.0	162.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

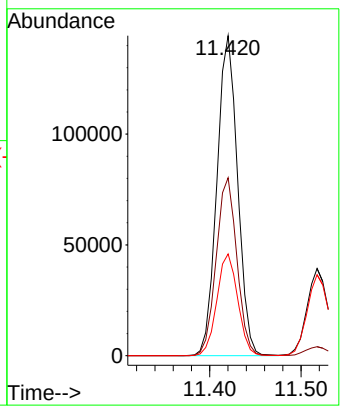
Tgt Ion:117 Resp: 22730

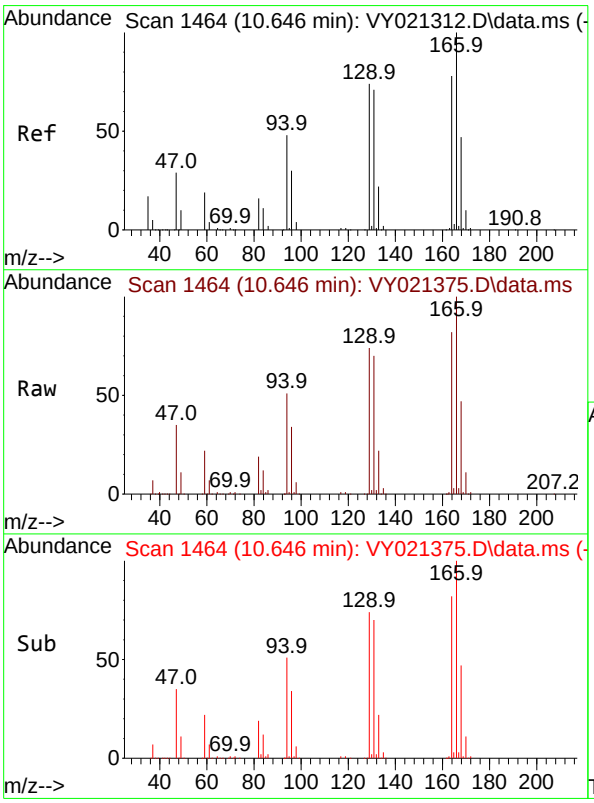
Ion	Ratio	Lower	Upper
117	100		
82	55.6	46.2	69.4
119	31.8	24.9	37.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

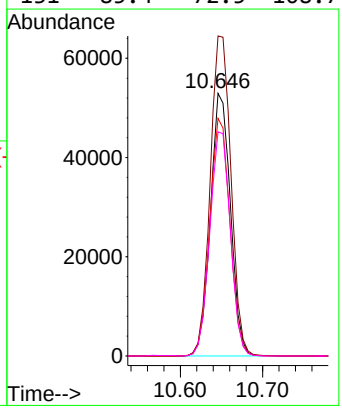


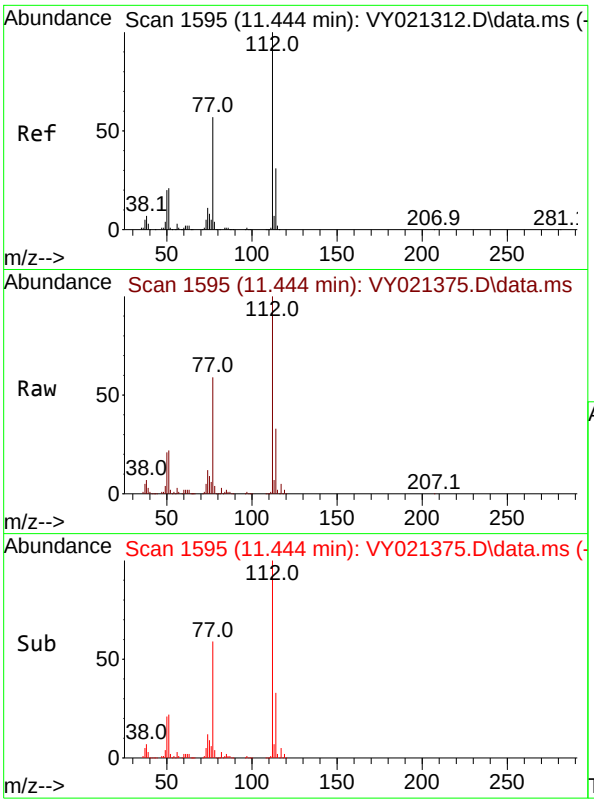


#64
Tetrachloroethene
Concen: 52.180 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:164 Resp: 89648

Ion	Ratio	Lower	Upper
164	100		
166	121.8	101.9	152.9
129	90.4	75.5	113.3
131	85.4	72.5	108.7

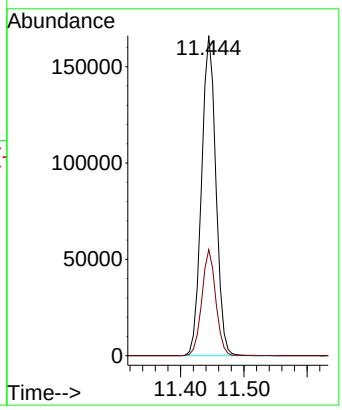




#65
Chlorobenzene
Concen: 51.394 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:112 Resp: 26222

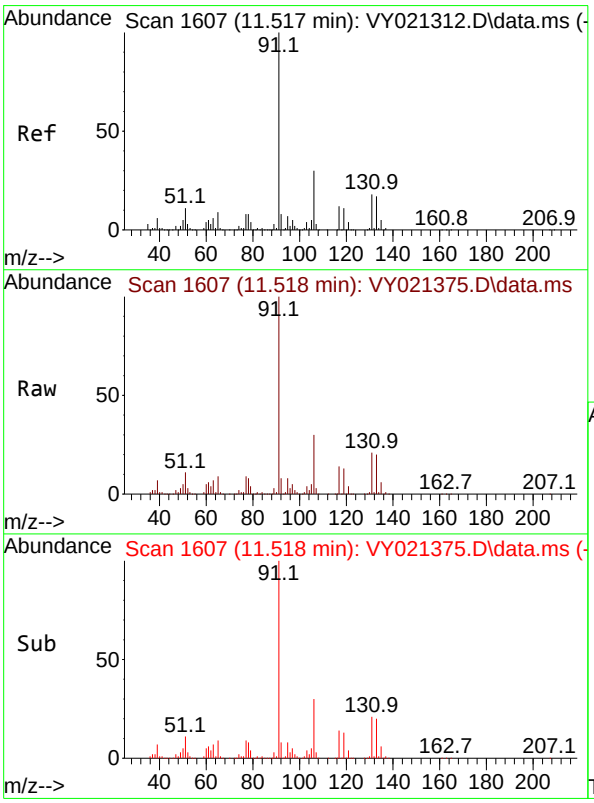
Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

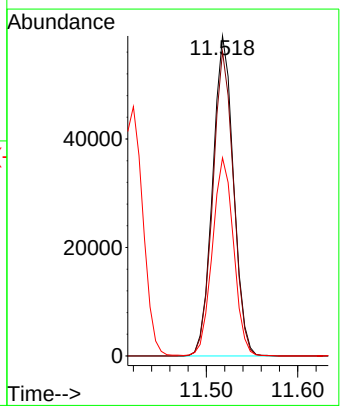
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

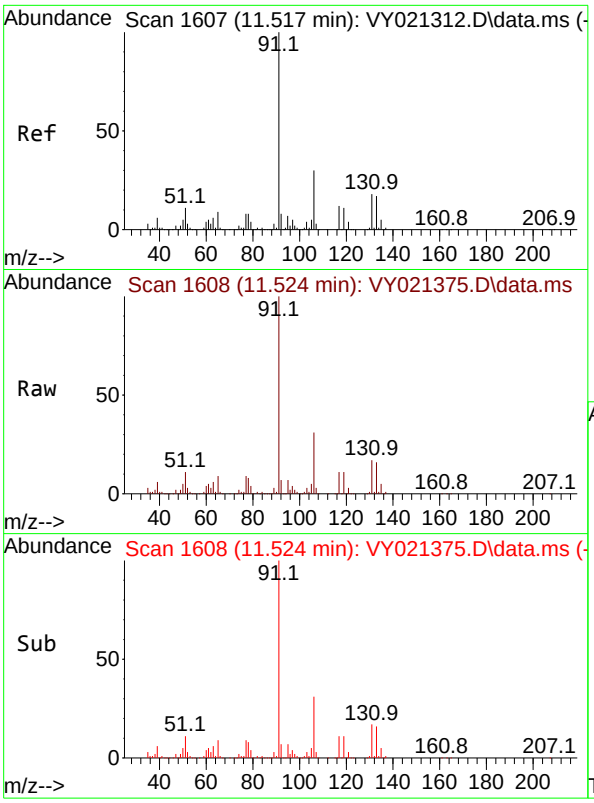


#66
1,1,1,2-Tetrachloroethane
Concen: 52.434 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:131 Resp: 93678

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.9	143.6
119	62.8	31.7	95.1

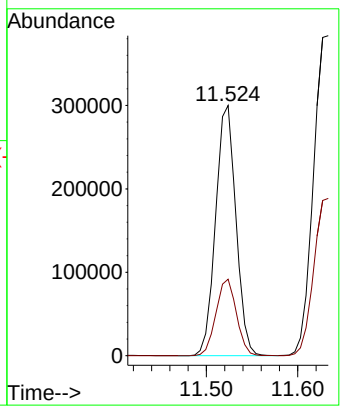




#67
Ethyl Benzene
Concen: 51.326 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 91 Resp: 46386

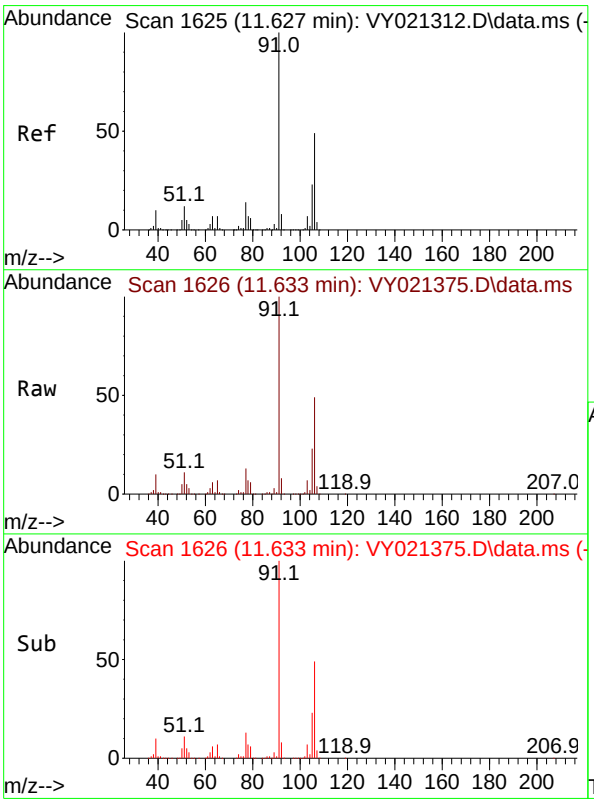
Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

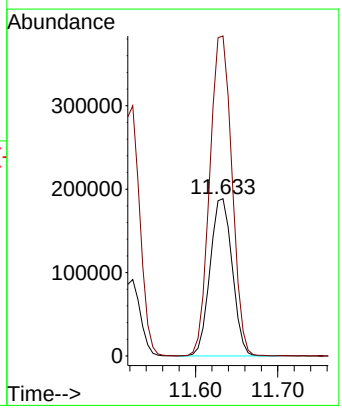
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

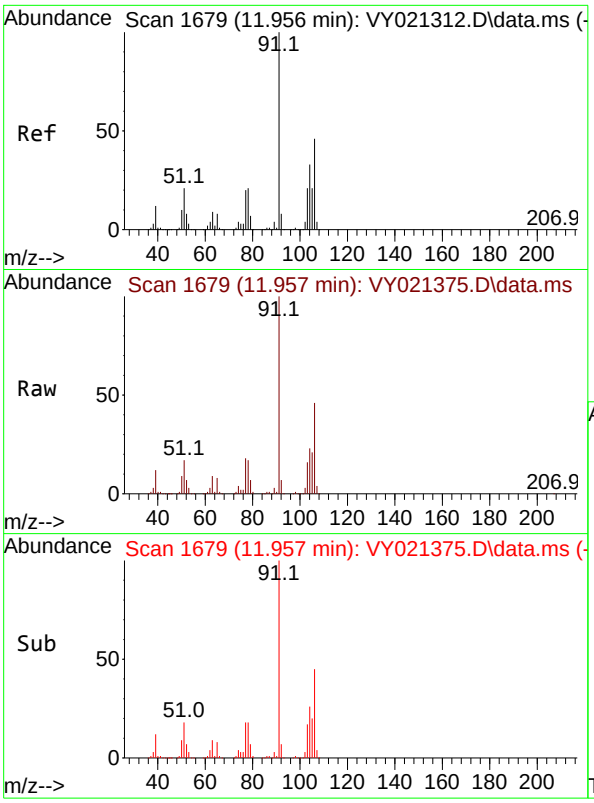


#68
m/p-Xylenes
Concen: 103.688 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:106 Resp: 352476

Ion	Ratio	Lower	Upper
106	100		
91	204.6	163.9	245.9

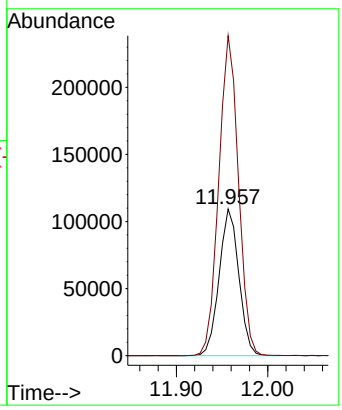




#69
o-Xylene
Concen: 51.528 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:106 Resp: 16409

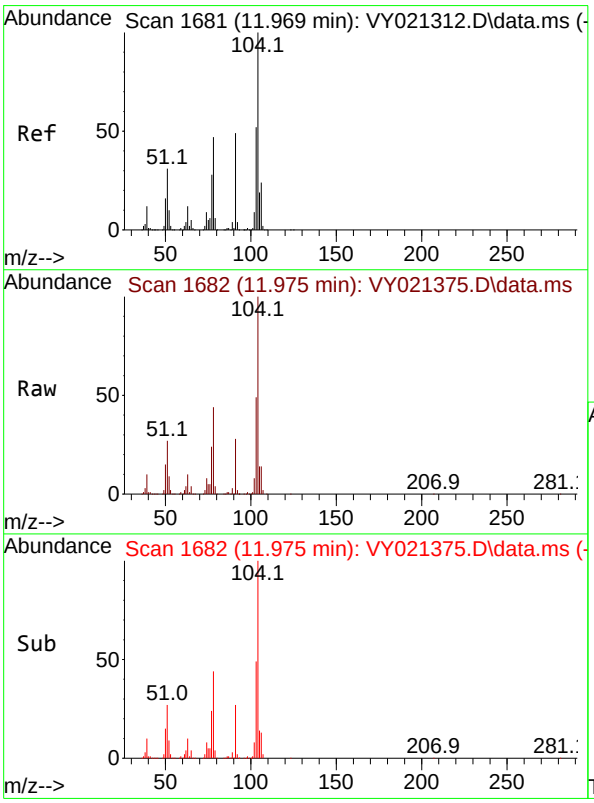
Ion	Ratio	Lower	Upper
106	100		
91	217.9	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

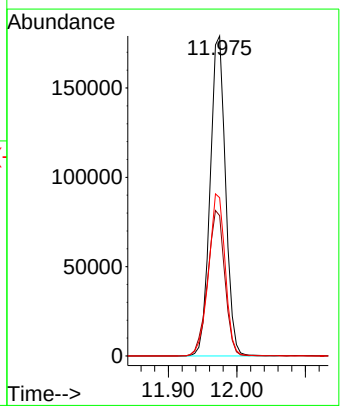
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

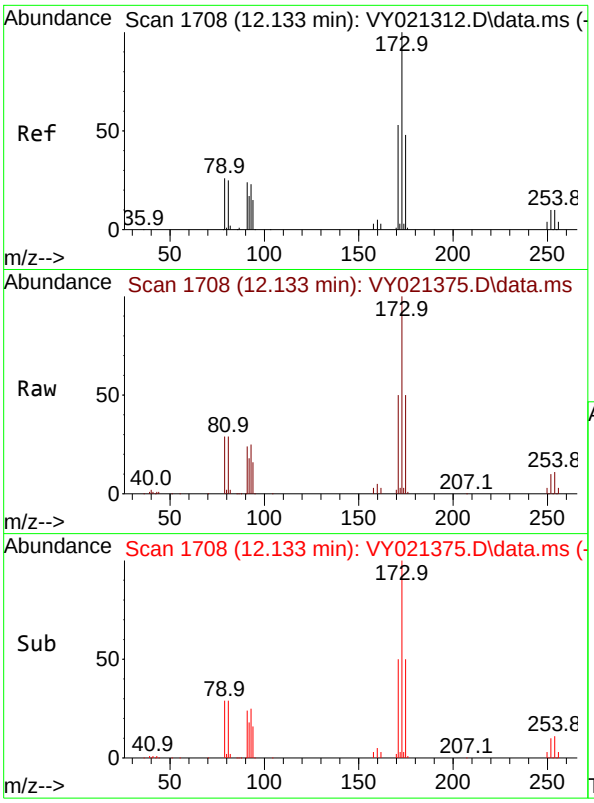


#70
Styrene
Concen: 52.962 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:104 Resp: 280622

Ion	Ratio	Lower	Upper
104	100		
78	50.7	41.3	61.9
103	54.7	43.9	65.9

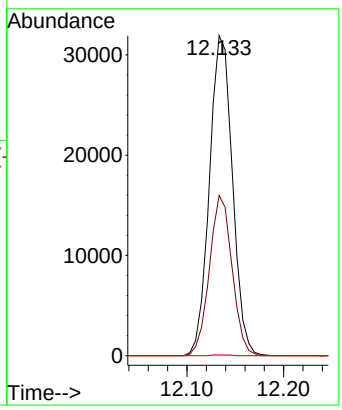




#71
Bromoform
Concen: 51.622 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:173 Resp: 5276

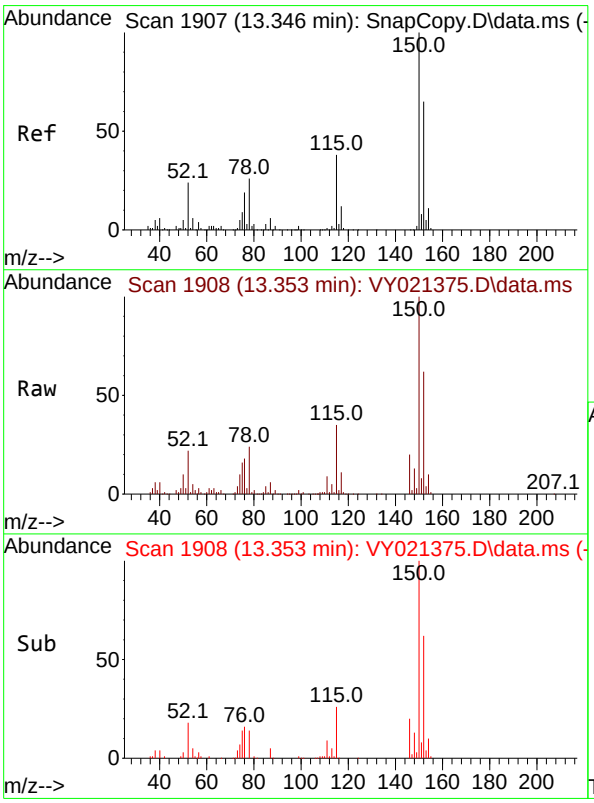
Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

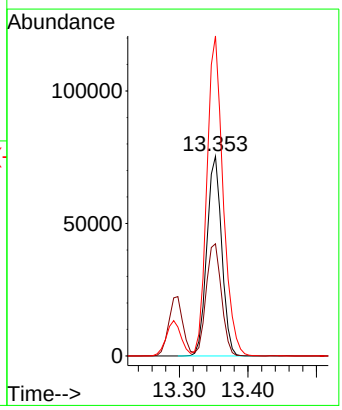
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

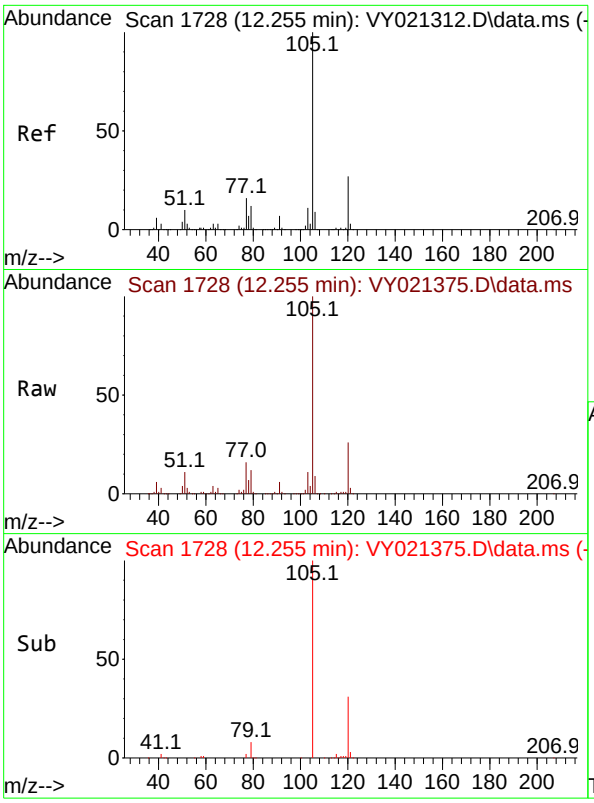


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:152 Resp: 113605

Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.3	88.0
150	174.6	0.0	347.4

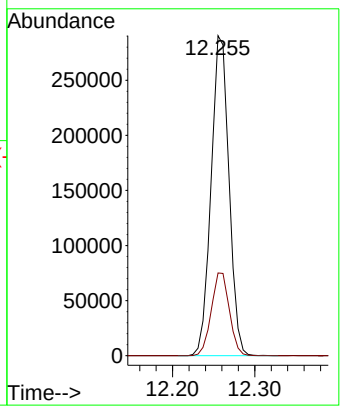




#73
Isopropylbenzene
Concen: 51.354 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:105 Resp: 43859

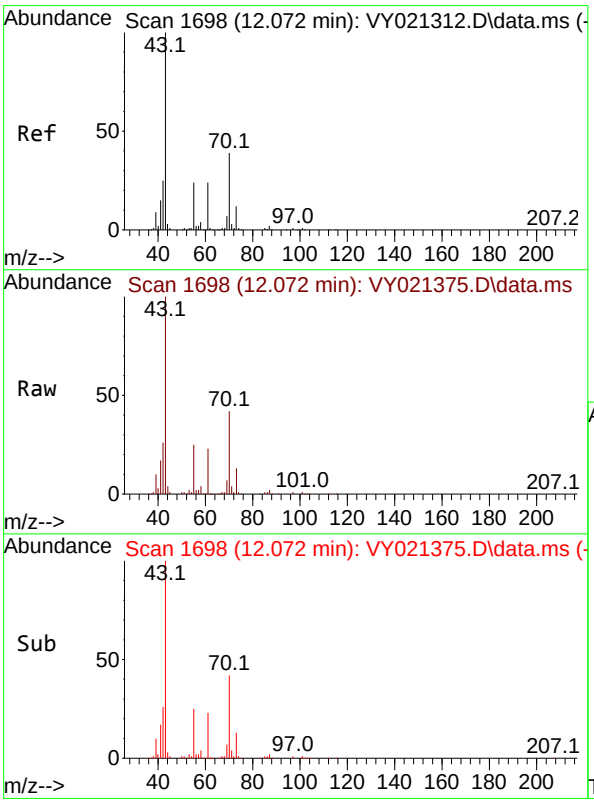
Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

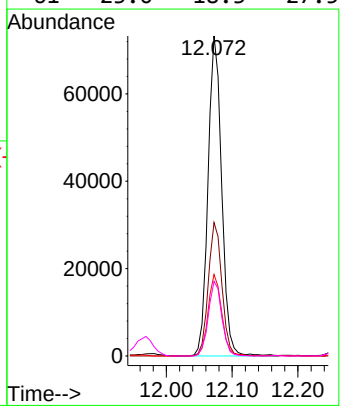
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

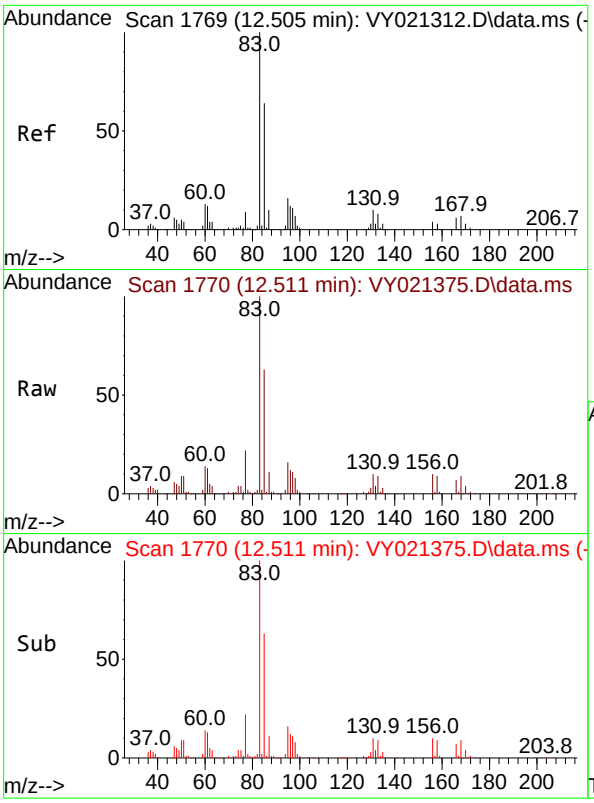


#74
N-amyl acetate
Concen: 48.742 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 43 Resp: 105812

Ion	Ratio	Lower	Upper
43	100		
70	41.4	32.2	48.2
55	25.5	19.6	29.4
61	23.0	18.3	27.5

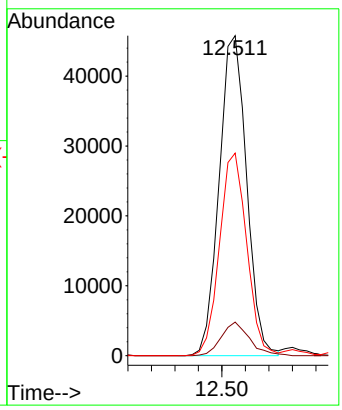




#75
1,1,2,2-Tetrachloroethane
Concen: 49.325 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 83 Resp: 7434

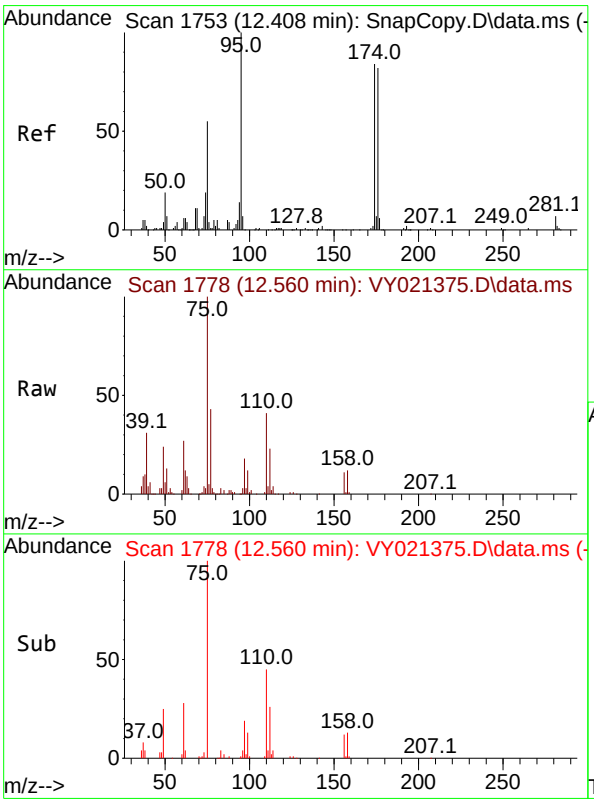
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	62.7	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

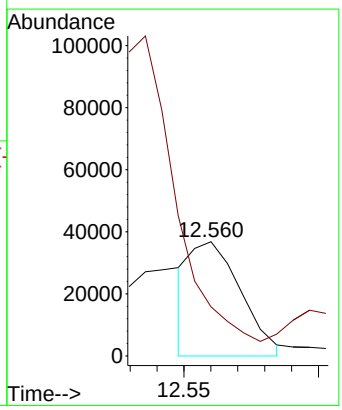
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

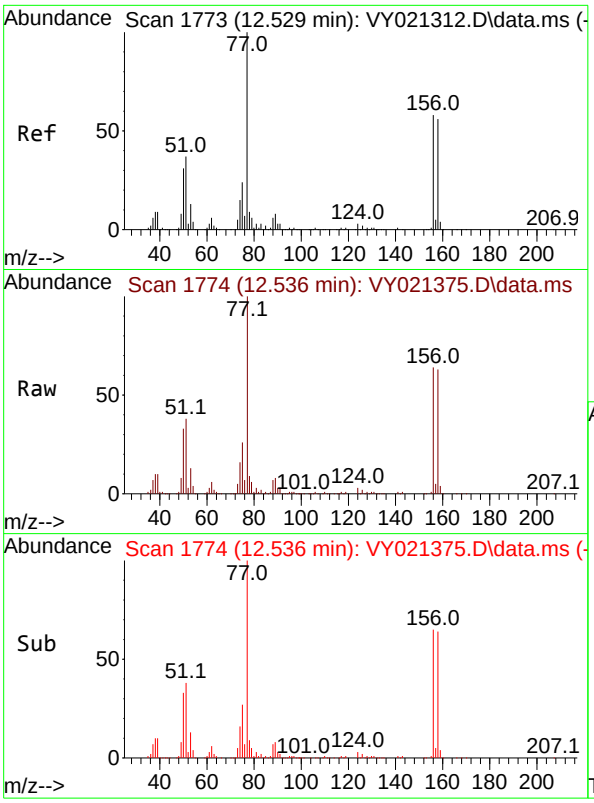


#76
1,2,3-Trichloropropane
Concen: 42.616 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 75 Resp: 48460

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

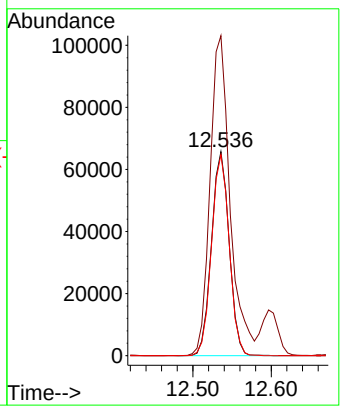




#77
Bromobenzene
Concen: 51.947 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:156 Resp: 10319

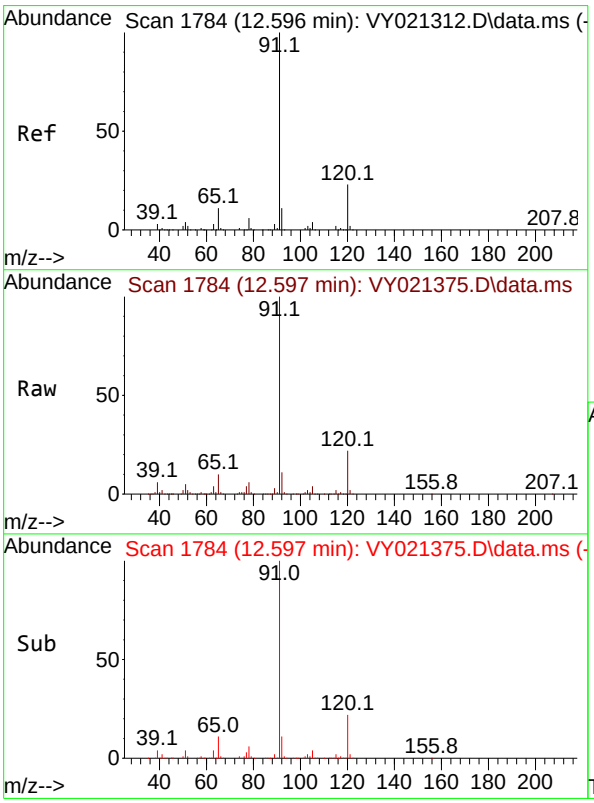
Ion	Ratio	Lower	Upper
156	100		
77	177.0	94.0	282.1
158	98.3	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

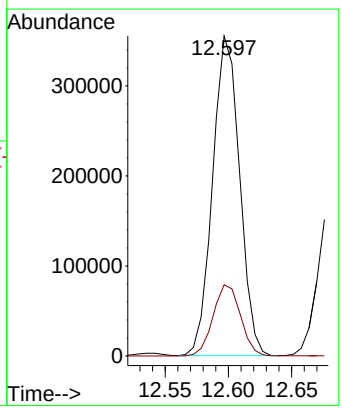
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

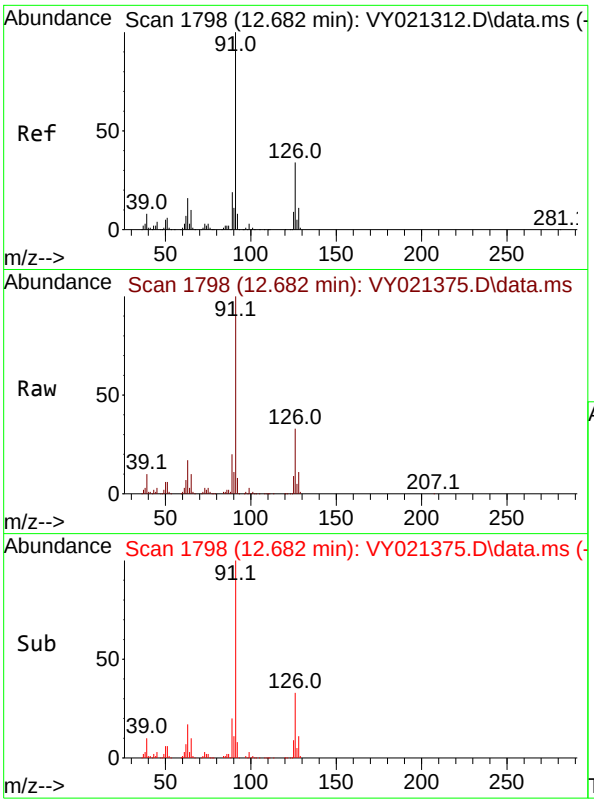


#78
n-propylbenzene
Concen: 50.847 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 91 Resp: 526975

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.5

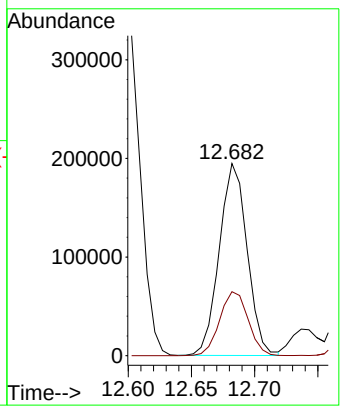




#79
2-Chlorotoluene
Concen: 50.185 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 91 Resp: 29849

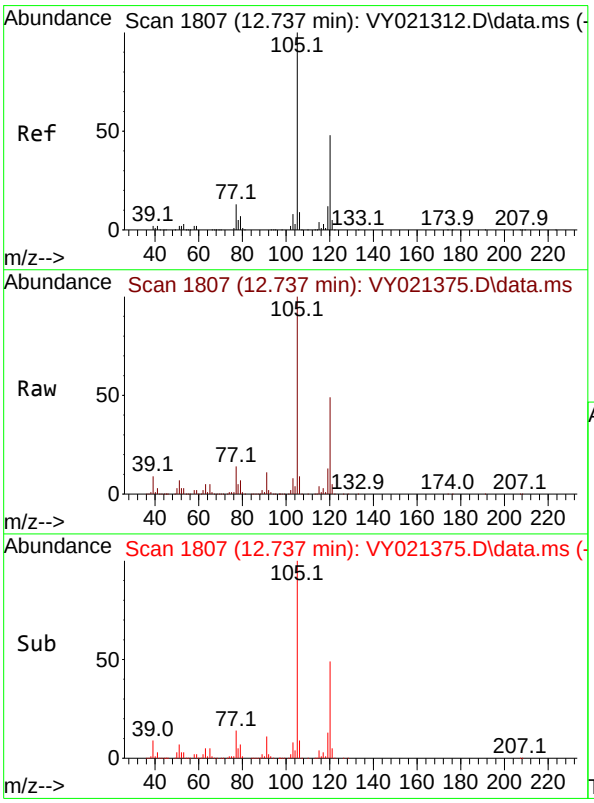
Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

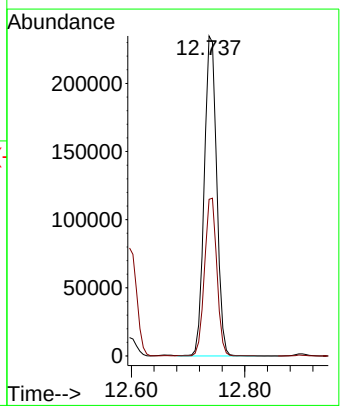
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

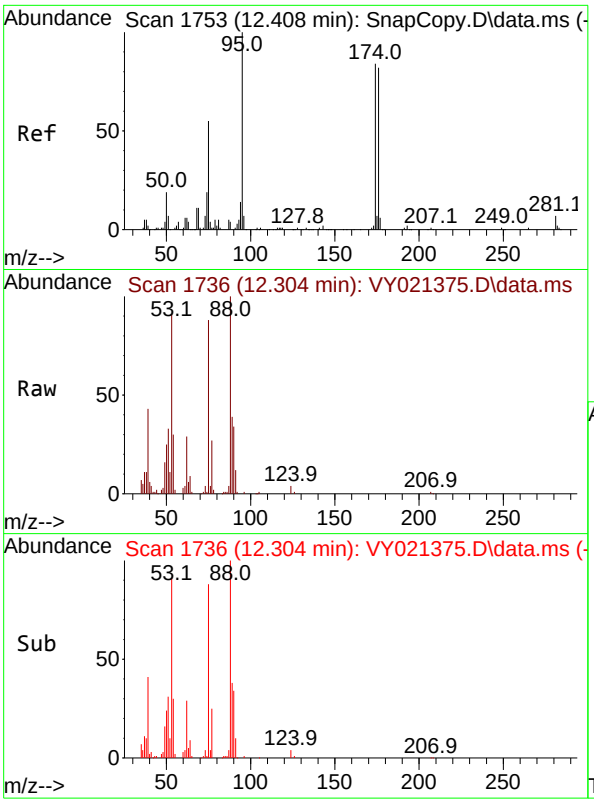


#80
1,3,5-Trimethylbenzene
Concen: 51.032 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:105 Resp: 357472

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 46.995 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

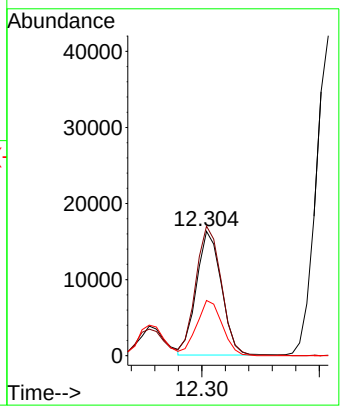
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

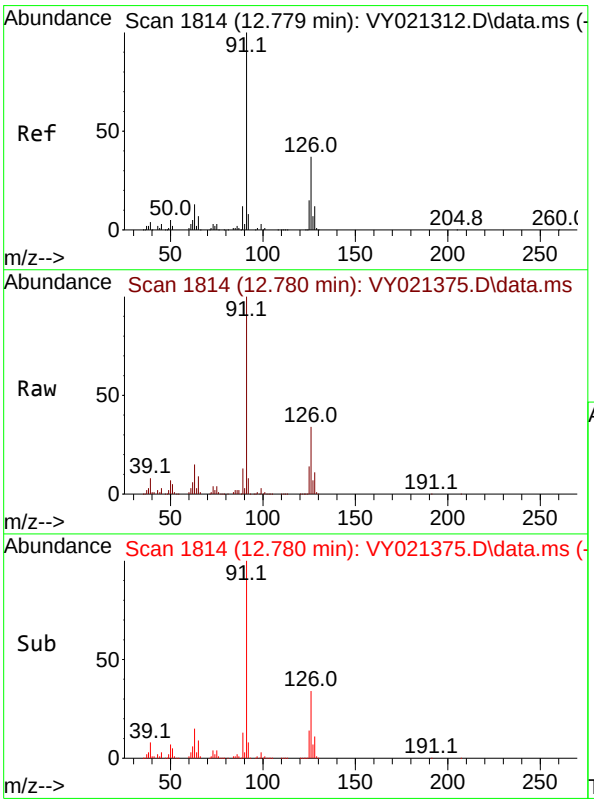
Tgt Ion: 75 Resp: 2404

Ion	Ratio	Lower	Upper
75	100		
53	107.6	79.1	118.7
89	46.0	35.6	53.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

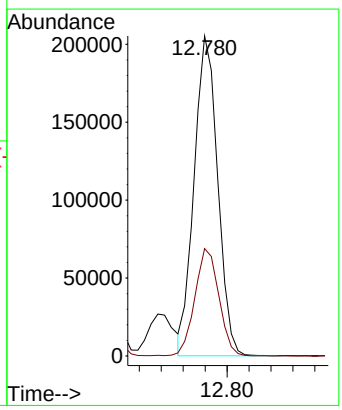


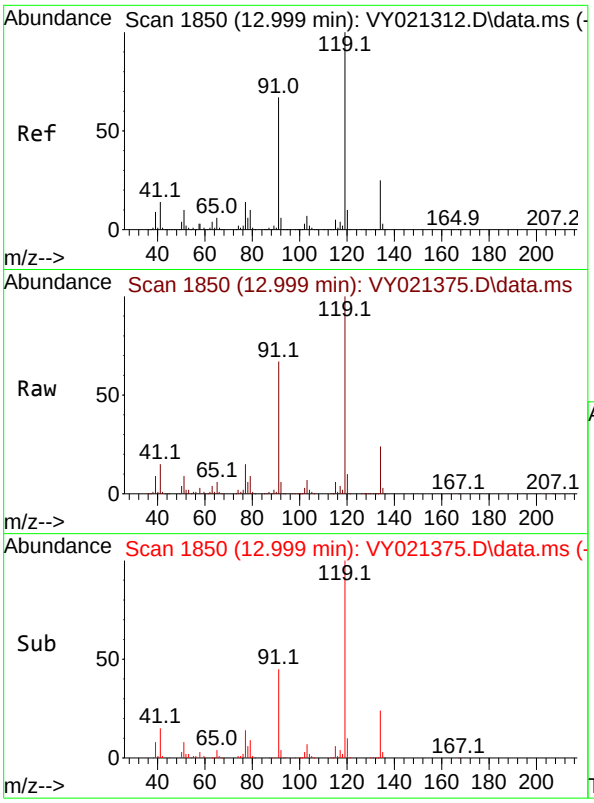


#82
4-Chlorotoluene
Concen: 49.658 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 91 Resp: 306178

Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.8	50.4





#83
tert-Butylbenzene
Concen: 49.632 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

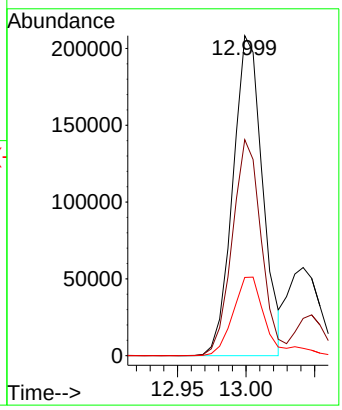
Tgt Ion:119 Resp: 31404

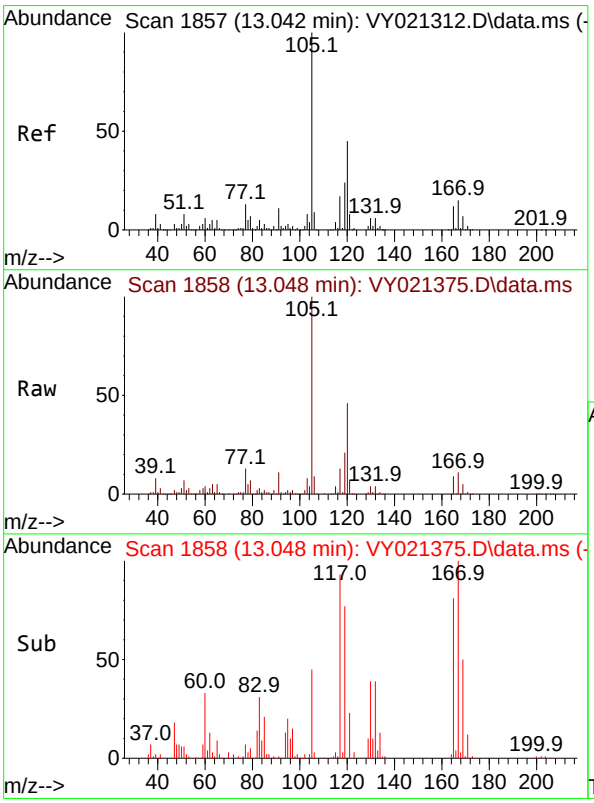
Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.7	98.1
134	27.4	13.3	39.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

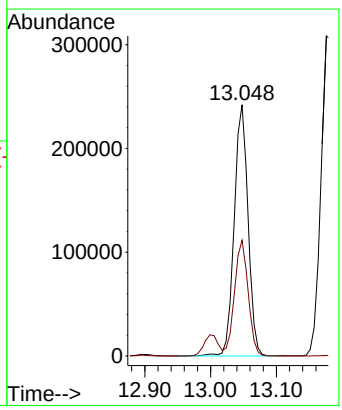


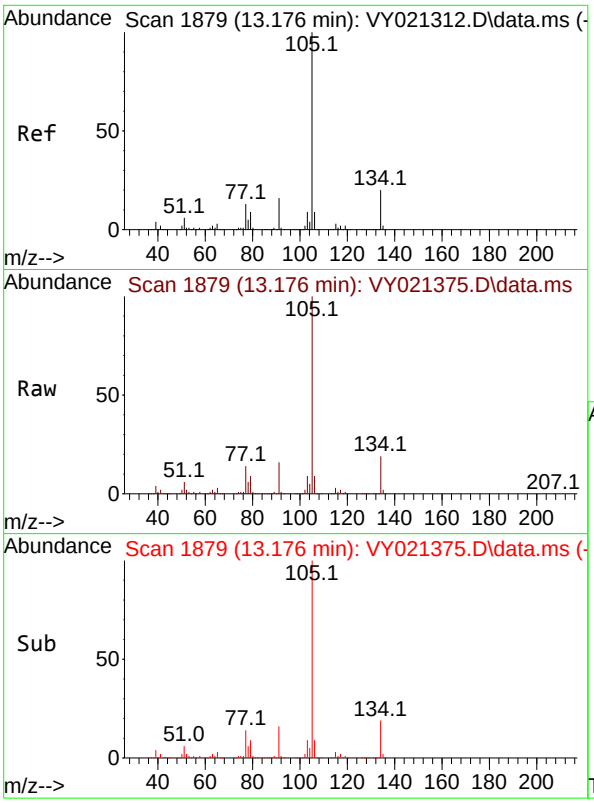


#84
1,2,4-Trimethylbenzene
Concen: 50.892 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:105 Resp: 354550

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.4	67.3





#85
sec-Butylbenzene
Concen: 49.819 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

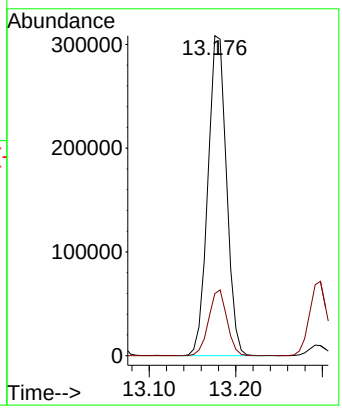
Tgt Ion:105 Resp: 46045

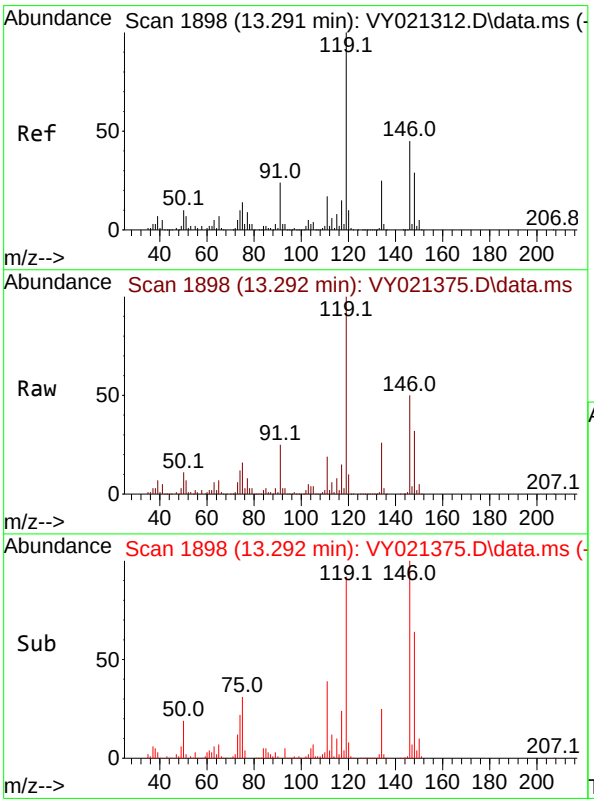
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

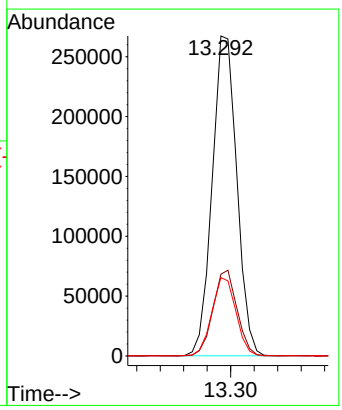


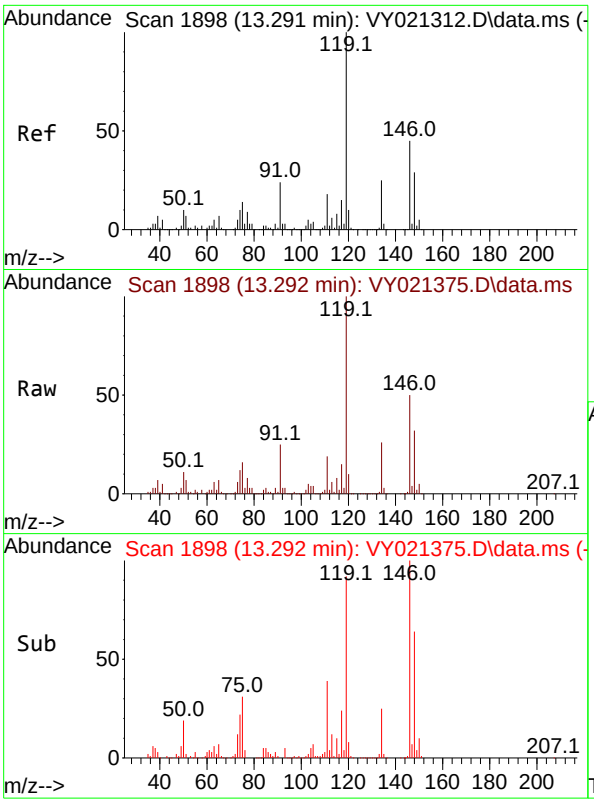


#86
p-Isopropyltoluene
Concen: 50.472 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:119 Resp: 389522

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	23.9	12.0	36.1

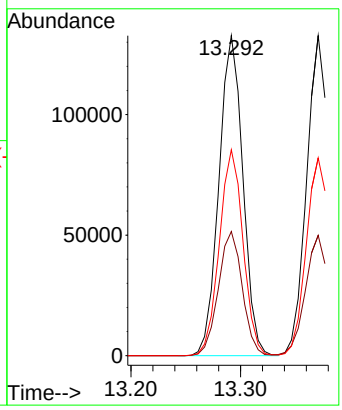




#87
1,3-Dichlorobenzene
Concen: 51.311 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:146 Resp: 20163

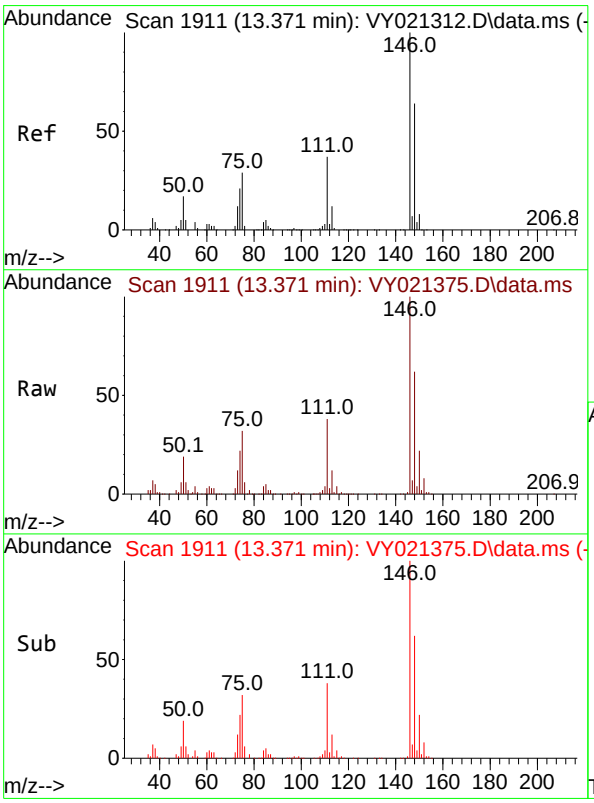
Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.0	59.9
148	63.8	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

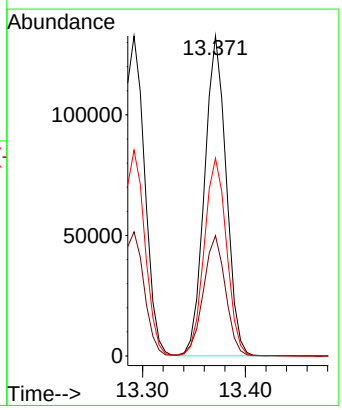
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

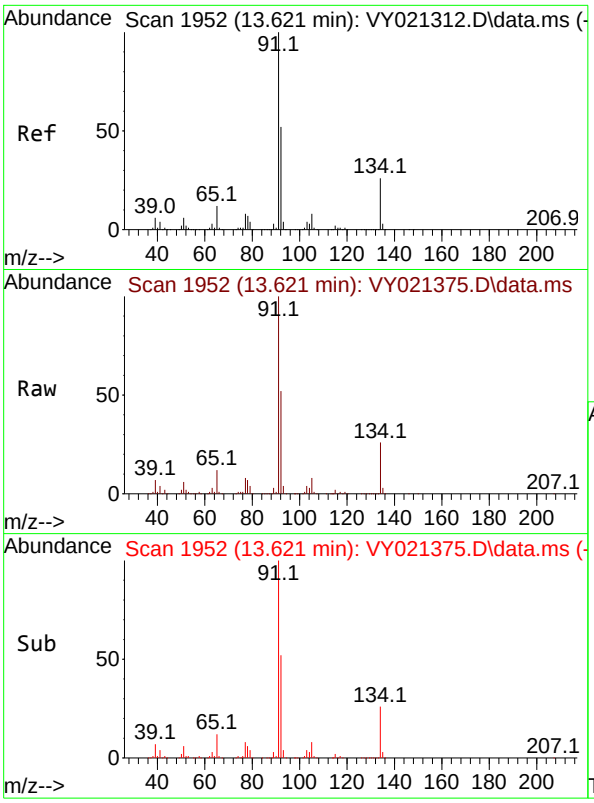


#88
1,4-Dichlorobenzene
Concen: 50.025 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:146 Resp: 194197

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	64.0	32.0	96.2





#89
n-Butylbenzene
Concen: 50.152 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

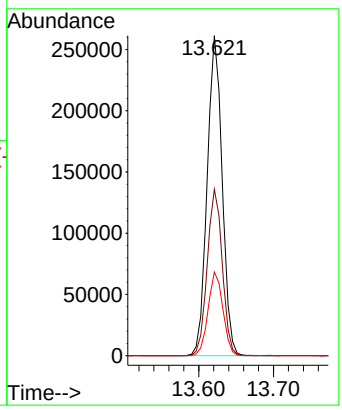
Tgt Ion: 91 Resp: 36423

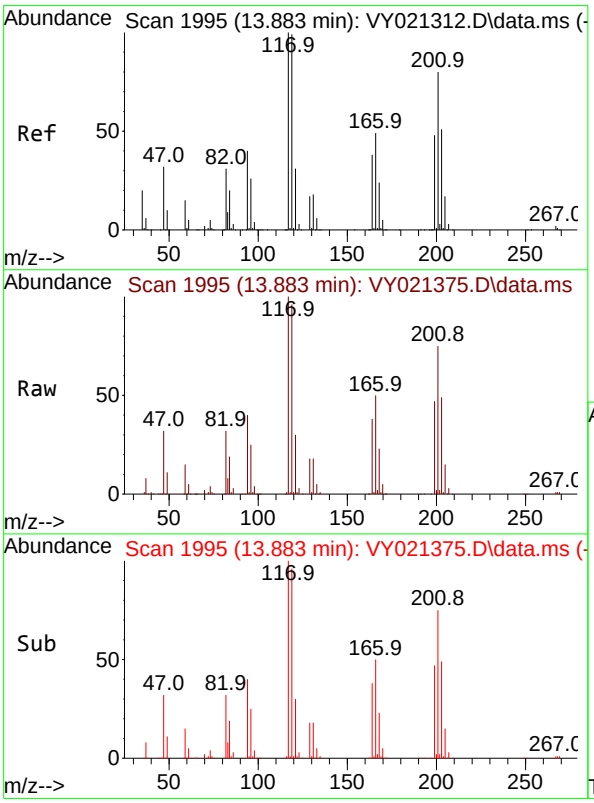
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.2
134	25.8	12.7	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

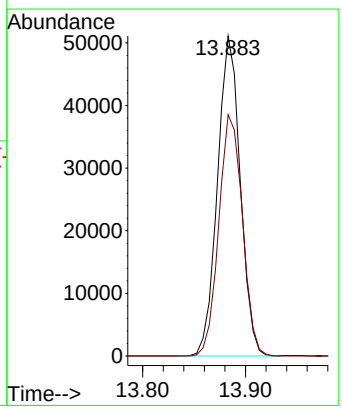


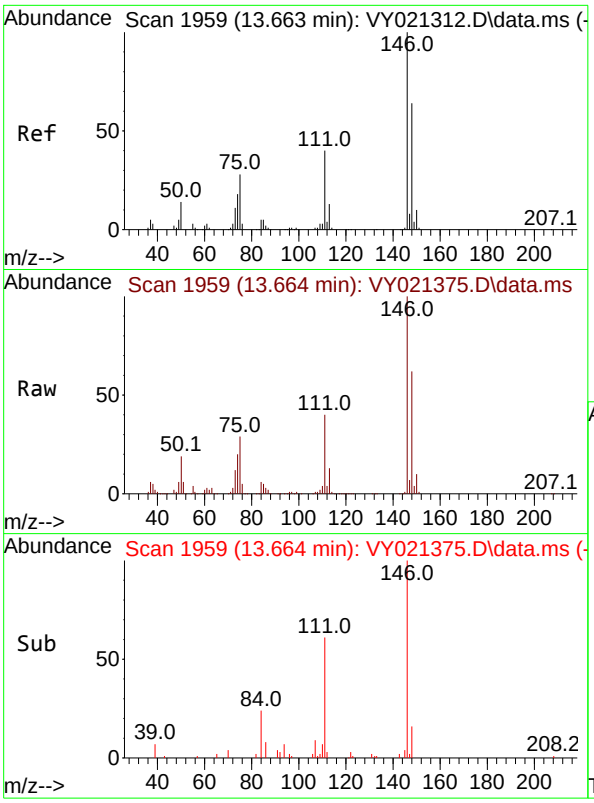


#90
Hexachloroethane
Concen: 48.657 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:117 Resp: 78439

Ion	Ratio	Lower	Upper
117	100		
201	78.3	38.4	115.2

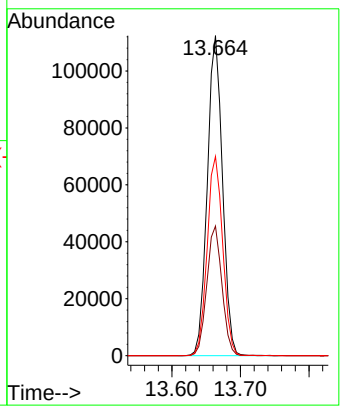




#91
1,2-Dichlorobenzene
Concen: 50.334 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:146 Resp: 17329

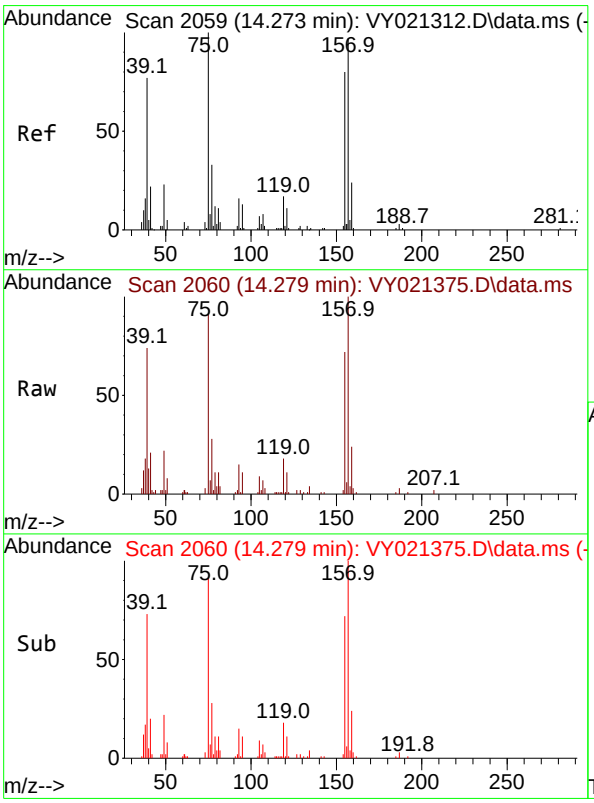
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.7	62.1
148	63.7	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

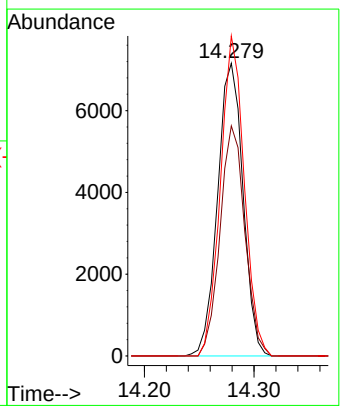
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

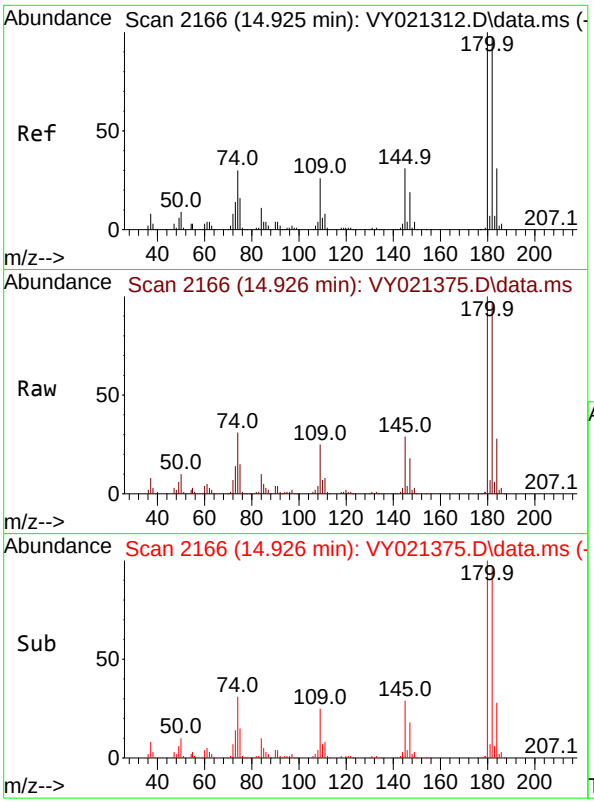


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.334 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion: 75 Resp: 11525

Ion	Ratio	Lower	Upper
75	100		
155	76.8	41.9	125.6
157	102.5	52.5	157.6

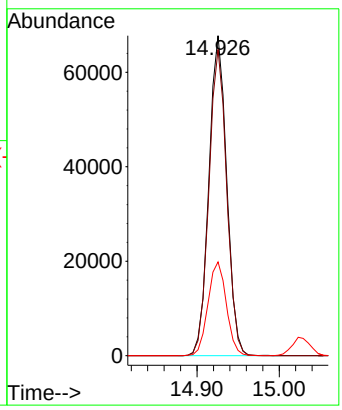




#93
1,2,4-Trichlorobenzene
Concen: 48.537 ug/l
RT: 14.926 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:180 Resp: 10199

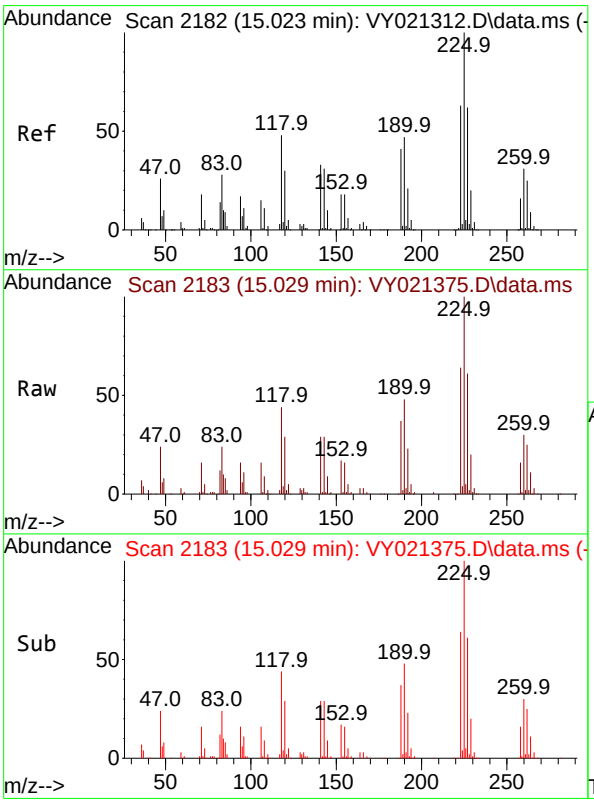
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	30.2	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

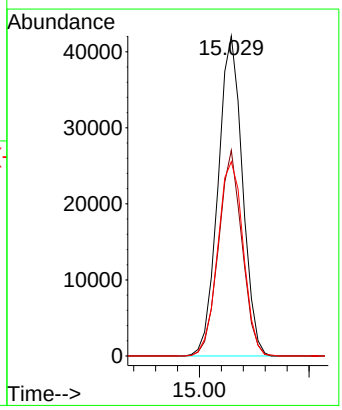
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

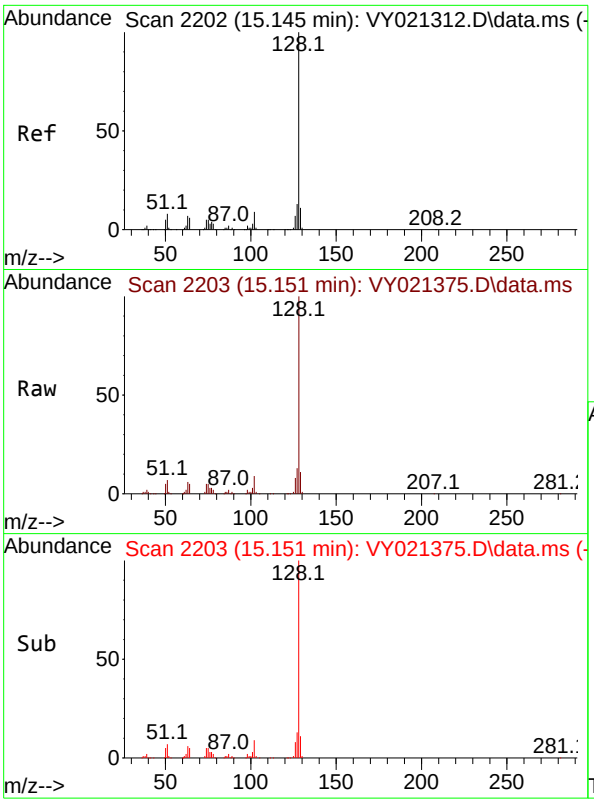


#94
Hexachlorobutadiene
Concen: 49.149 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:225 Resp: 65020

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.8	95.4
227	63.7	31.9	95.7

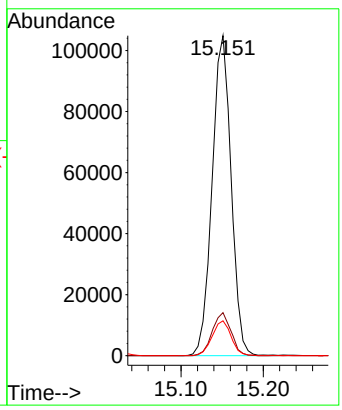




#95
Naphthalene
Concen: 48.393 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:128 Resp: 16843

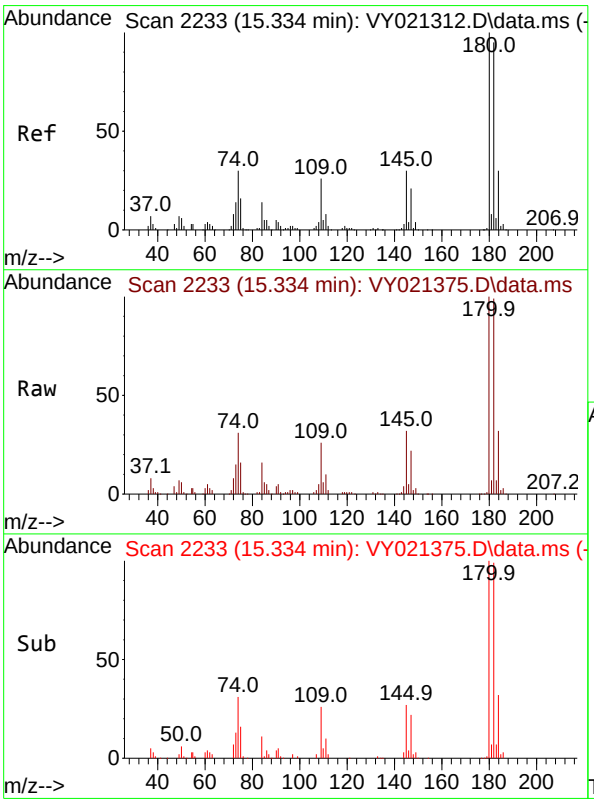
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

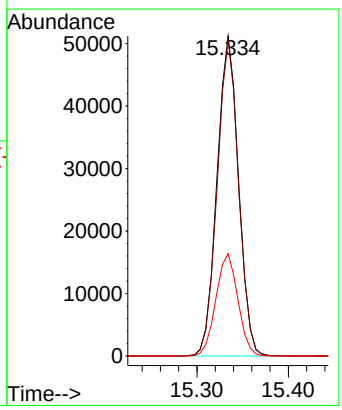
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.212 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021375.D
Acq: 28 Feb 2025 09:44

Tgt Ion:180 Resp: 83821

Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.3	144.9
145	32.6	16.1	48.3



Evaluate Continuing Calibration Report

Sample Results: **VY021375.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021375.D
Acq On : 28 Feb 2025 09:44
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: Feb 28 22:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	97	0.00
2	T	Dichlorodifluoromethane	0.474	0.440	7.2	87	0.00
3	P	Chloromethane	0.612	0.566	7.5	91	0.00
4	C	Vinyl Chloride	0.601	0.616	-2.5#	96	0.00
5	T	Bromomethane	0.399	0.411	-3.0	103	0.00
6	T	Chloroethane	0.373	0.400	-7.2	100	0.00
7	T	Trichlorofluoromethane	0.908	0.936	-3.1	97	0.00
8	T	Diethyl Ether	0.272	0.269	1.1	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.525	0.511	2.7	93	0.00
10	T	Methyl Iodide	0.553	0.600	-8.5	92	0.00
11	T	Tert butyl alcohol	0.044	0.033	25.0	79	0.00
12	CM	1,1-Dichloroethene	0.503	0.487	3.2#	92	0.00
13	T	Acrolein	0.033	0.006	81.8#	91	0.00
14	T	Allyl chloride	0.892	0.814	8.7	85	0.00
15	T	Acrylonitrile	0.120	0.114	5.0	87	0.00
16	T	Acetone	0.109	0.132	-21.1	100	0.00
17	T	Carbon Disulfide	1.671	1.585	5.1	89	0.00
18	T	Methyl Acetate	0.266	0.247	7.1	87	0.00
19	T	Methyl tert-butyl Ether	1.329	1.304	1.9	90	0.00
20	T	Methylene Chloride	0.588	0.547	7.0	91	0.01
21	T	trans-1,2-Dichloroethene	0.554	0.549	0.9	93	0.00
22	T	Diisopropyl ether	1.846	1.770	4.1	88	0.00
23	T	Vinyl Acetate	1.103	1.052	4.6	86	0.00
24	P	1,1-Dichloroethane	1.040	1.009	3.0	91	0.00
25	T	2-Butanone	0.164	0.166	-1.2	89	0.00
26	T	2,2-Dichloropropane	0.944	0.922	2.3	92	0.00
27	T	cis-1,2-Dichloroethene	0.632	0.635	-0.5	93	0.00
28	T	Bromochloromethane	0.460	0.462	-0.4	99	0.00
29	T	Tetrahydrofuran	0.107	0.098	8.4	83	0.00
30	C	Chloroform	1.054	1.043	1.0#	93	0.00
31	T	Cyclohexane	1.000	0.868	13.2	85	0.00
32	T	1,1,1-Trichloroethane	0.960	0.951	0.9	94	0.00
33	S	1,2-Dichloroethane-d4	0.567	0.567	0.0	100	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35	S	Dibromofluoromethane	0.328	0.351	-7.0	101	0.00
36	T	1,1-Dichloropropene	0.492	0.500	-1.6	91	0.00
37	T	Ethyl Acetate	0.245	0.233	4.9	85	0.00
38	T	Carbon Tetrachloride	0.554	0.578	-4.3	93	0.00
39	T	Methylcyclohexane	0.623	0.607	2.6	86	0.00
40	TM	Benzene	1.456	1.487	-2.1	91	0.00
41	T	Methacrylonitrile	0.137	0.137	0.0	87	0.00
42	TM	1,2-Dichloroethane	0.413	0.436	-5.6	94	0.00
43	T	Isopropyl Acetate	0.474	0.458	3.4	84	0.00
44	TM	Trichloroethene	0.364	0.375	-3.0	92	0.00
45	C	1,2-Dichloropropane	0.350	0.356	-1.7#	90	0.00
46	T	Dibromomethane	0.191	0.198	-3.7	91	0.00
47	T	Bromodichloromethane	0.511	0.537	-5.1	93	0.00
48	T	Methyl methacrylate	0.222	0.216	2.7	82	0.00

Sample Results: **VY021375.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021375.D
Acq On : 28 Feb 2025 09:44
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: Feb 28 22:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	88	0.00
50	S	Toluene-d8	1.267	1.327	-4.7	99	0.00
51	T	4-Methyl-2-Pentanone	0.243	0.242	0.4	85	0.00
52	CM	Toluene	0.904	0.955	-5.6#	93	0.00
53	T	t-1,3-Dichloropropene	0.468	0.488	-4.3	89	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.565	-2.4	90	0.00
55	T	1,1,2-Trichloroethane	0.249	0.254	-2.0	89	0.00
56	T	Ethyl methacrylate	0.345	0.356	-3.2	85	0.00
57	T	1,3-Dichloropropane	0.438	0.450	-2.7	90	0.00
58	T	2-Chloroethyl Vinyl ether	0.165	0.171	-3.6	84	0.00
59	T	2-Hexanone	0.159	0.168	-5.7	86	0.00
60	T	Dibromochloromethane	0.340	0.362	-6.5	92	0.00
61	T	1,2-Dibromoethane	0.236	0.241	-2.1	89	0.00
62	S	4-Bromofluorobenzene	0.426	0.441	-3.5	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.378	0.394	-4.2	96	0.00
65	PM	Chlorobenzene	1.122	1.154	-2.9	93	0.00
66	T	1,1,1,2-Tetrachloroethane	0.393	0.412	-4.8	94	0.00
67	C	Ethyl Benzene	1.988	2.041	-2.7#	91	0.00
68	T	m/p-Xylenes	0.748	0.775	-3.6	92	0.00
69	T	o-Xylene	0.701	0.722	-3.0	90	0.00
70	T	Styrene	1.166	1.235	-5.9	92	0.00
71	P	Bromoform	0.225	0.232	-3.1	90	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.759	3.861	-2.7	91	0.00
74	T	N-amyl acetate	0.955	0.931	2.5	82	0.00
75	P	1,1,2,2-Tetrachloroethane	0.663	0.654	1.4	88	0.00
76	T	1,2,3-Trichloropropane	0.500	0.427	14.6	76	0.00
77	T	Bromobenzene	0.874	0.908	-3.9	93	0.00
78	T	n-propylbenzene	4.561	4.639	-1.7	90	0.00
79	T	2-Chlorotoluene	2.618	2.628	-0.4	90	0.00
80	T	1,3,5-Trimethylbenzene	3.083	3.147	-2.1	90	0.00
81	T	trans-1,4-Dichloro-2-butene	0.225	0.212	5.8	81	0.00
82	T	4-Chlorotoluene	2.714	2.695	0.7	89	0.00
83	T	tert-Butylbenzene	2.785	2.764	0.8	89	0.00
84	T	1,2,4-Trimethylbenzene	3.066	3.121	-1.8	90	0.00
85	T	sec-Butylbenzene	4.068	4.053	0.4	89	0.00
86	T	p-Isopropyltoluene	3.397	3.429	-0.9	89	0.00
87	T	1,3-Dichlorobenzene	1.730	1.775	-2.6	92	0.00
88	T	1,4-Dichlorobenzene	1.709	1.709	0.0	91	0.00
89	T	n-Butylbenzene	3.196	3.206	-0.3	87	0.00
90	T	Hexachloroethane	0.710	0.690	2.8	89	0.00
91	T	1,2-Dichlorobenzene	1.515	1.525	-0.7	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.105	0.101	3.8	84	0.00
93	T	1,2,4-Trichlorobenzene	0.925	0.898	2.9	87	0.00
94	T	Hexachlorobutadiene	0.582	0.572	1.7	90	0.00
95	T	Naphthalene	1.532	1.483	3.2	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021375.D
Acq On : 28 Feb 2025 09:44
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: Feb 28 22:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	0.781	0.738	5.5	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY021375.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021375.D
Acq On : 28 Feb 2025 09:44
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: Feb 28 22:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	97	0.00
2	T	Dichlorodifluoromethane	50.000	46.438	7.1	87	0.00
3	P	Chloromethane	50.000	46.223	7.6	91	0.00
4	C	Vinyl Chloride	50.000	51.293	-2.6#	96	0.00
5	T	Bromomethane	50.000	51.460	-2.9	103	0.00
6	T	Chloroethane	50.000	53.626	-7.3	100	0.00
7	T	Trichlorofluoromethane	50.000	51.575	-3.2	97	0.00
8	T	Diethyl Ether	50.000	49.423	1.2	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.644	2.7	93	0.00
10	T	Methyl Iodide	50.000	54.252	-8.5	92	0.00
11	T	Tert butyl alcohol	250.000	188.331	24.7	79	0.00
12	CM	1,1-Dichloroethene	50.000	48.376	3.2#	92	0.00
13	T	Acrolein	250.000	46.638	81.3#	91	0.00
14	T	Allyl chloride	50.000	45.608	8.8	85	0.00
15	T	Acrylonitrile	250.000	236.139	5.5	87	0.00
16	T	Acetone	250.000	302.934	-21.2	100	0.00
17	T	Carbon Disulfide	50.000	47.448	5.1	89	0.00
18	T	Methyl Acetate	50.000	46.449	7.1	87	0.00
19	T	Methyl tert-butyl Ether	50.000	49.070	1.9	90	0.00
20	T	Methylene Chloride	50.000	46.504	7.0	91	0.01
21	T	trans-1,2-Dichloroethene	50.000	49.547	0.9	93	0.00
22	T	Diisopropyl ether	50.000	47.952	4.1	88	0.00
23	T	Vinyl Acetate	250.000	238.456	4.6	86	0.00
24	P	1,1-Dichloroethane	50.000	48.476	3.0	91	0.00
25	T	2-Butanone	250.000	253.463	-1.4	89	0.00
26	T	2,2-Dichloropropane	50.000	48.821	2.4	92	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.189	-0.4	93	0.00
28	T	Bromochloromethane	50.000	50.196	-0.4	99	0.00
29	T	Tetrahydrofuran	250.000	227.342	9.1	83	0.00
30	C	Chloroform	50.000	49.466	1.1#	93	0.00
31	T	Cyclohexane	50.000	43.387	13.2	85	0.00
32	T	1,1,1-Trichloroethane	50.000	49.532	0.9	94	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.947	0.1	100	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35	S	Dibromofluoromethane	50.000	53.556	-7.1	101	0.00
36	T	1,1-Dichloropropene	50.000	50.810	-1.6	91	0.00
37	T	Ethyl Acetate	50.000	47.578	4.8	85	0.00
38	T	Carbon Tetrachloride	50.000	52.223	-4.4	93	0.00
39	T	Methylcyclohexane	50.000	48.718	2.6	86	0.00
40	TM	Benzene	50.000	51.073	-2.1	91	0.00
41	T	Methacrylonitrile	50.000	49.854	0.3	87	0.00
42	TM	1,2-Dichloroethane	50.000	52.760	-5.5	94	0.00
43	T	Isopropyl Acetate	50.000	48.330	3.3	84	0.00
44	TM	Trichloroethene	50.000	51.489	-3.0	92	0.00
45	C	1,2-Dichloropropane	50.000	50.814	-1.6#	90	0.00
46	T	Dibromomethane	50.000	51.775	-3.5	91	0.00
47	T	Bromodichloromethane	50.000	52.552	-5.1	93	0.00
48	T	Methyl methacrylate	50.000	48.776	2.4	82	0.00

Sample Results: **VY021375.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021375.D
Acq On : 28 Feb 2025 09:44
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: Feb 28 22:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	987.591	1.2	88	0.00
50	S	Toluene-d8	50.000	52.386	-4.8	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	249.526	0.2	85	0.00
52	CM	Toluene	50.000	52.795	-5.6#	93	0.00
53	T	t-1,3-Dichloropropene	50.000	52.124	-4.2	89	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.138	-2.3	90	0.00
55	T	1,1,2-Trichloroethane	50.000	50.869	-1.7	89	0.00
56	T	Ethyl methacrylate	50.000	51.680	-3.4	85	0.00
57	T	1,3-Dichloropropane	50.000	51.430	-2.9	90	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	257.917	-3.2	84	0.00
59	T	2-Hexanone	250.000	263.746	-5.5	86	0.00
60	T	Dibromochloromethane	50.000	53.214	-6.4	92	0.00
61	T	1,2-Dibromoethane	50.000	50.958	-1.9	89	0.00
62	S	4-Bromofluorobenzene	50.000	51.750	-3.5	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	52.180	-4.4	96	0.00
65	PM	Chlorobenzene	50.000	51.394	-2.8	93	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.434	-4.9	94	0.00
67	C	Ethyl Benzene	50.000	51.326	-2.7#	91	0.00
68	T	m/p-Xylenes	100.000	103.688	-3.7	92	0.00
69	T	o-Xylene	50.000	51.528	-3.1	90	0.00
70	T	Styrene	50.000	52.962	-5.9	92	0.00
71	P	Bromoform	50.000	51.622	-3.2	90	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	51.354	-2.7	91	0.00
74	T	N-amyl acetate	50.000	48.742	2.5	82	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.325	1.3	88	0.00
76	T	1,2,3-Trichloropropane	50.000	42.616	14.8	76	0.00
77	T	Bromobenzene	50.000	51.947	-3.9	93	0.00
78	T	n-propylbenzene	50.000	50.847	-1.7	90	0.00
79	T	2-Chlorotoluene	50.000	50.185	-0.4	90	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.032	-2.1	90	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.995	6.0	81	0.00
82	T	4-Chlorotoluene	50.000	49.658	0.7	89	0.00
83	T	tert-Butylbenzene	50.000	49.632	0.7	89	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.892	-1.8	90	0.00
85	T	sec-Butylbenzene	50.000	49.819	0.4	89	0.00
86	T	p-Isopropyltoluene	50.000	50.472	-0.9	89	0.00
87	T	1,3-Dichlorobenzene	50.000	51.311	-2.6	92	0.00
88	T	1,4-Dichlorobenzene	50.000	50.025	-0.0	91	0.00
89	T	n-Butylbenzene	50.000	50.152	-0.3	87	0.00
90	T	Hexachloroethane	50.000	48.657	2.7	89	0.00
91	T	1,2-Dichlorobenzene	50.000	50.334	-0.7	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.334	3.3	84	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.537	2.9	87	0.00
94	T	Hexachlorobutadiene	50.000	49.149	1.7	90	0.00
95	T	Naphthalene	50.000	48.393	3.2	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021375.D
Acq On : 28 Feb 2025 09:44
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: Feb 28 22:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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	47.212	5.6	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY021426.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG No.: Q1421

Instrument ID: MSVOA_Y Calibration Date/Time: 03/06/2025 10:10

Lab File ID: VY021426.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.459	0.403		-12.2	20
Chloromethane	0.647	0.644	0.1	-0.46	20
Vinyl Chloride	0.707	0.731		3.39	20
Bromomethane	0.511	0.498		-2.54	20
Chloroethane	0.467	0.503		7.71	20
Trichlorofluoromethane	0.987	0.975		-1.22	20
1,1,2-Trichlorotrifluoroethane	0.563	0.524		-6.93	20
1,1-Dichloroethene	0.514	0.484		-5.84	20
Acetone	0.115	0.095		-17.39	20
Carbon Disulfide	1.610	1.552		-3.6	20
Methyl tert-butyl Ether	1.302	1.385		6.38	20
Methyl Acetate	0.256	0.295		15.23	20
Methylene Chloride	0.605	0.568		-6.12	20
trans-1,2-Dichloroethene	0.575	0.563		-2.09	20
1,1-Dichloroethane	1.056	1.061	0.1	0.47	20
Cyclohexane	0.990	0.888		-10.3	20
2-Butanone	0.159	0.160		0.63	20
Carbon Tetrachloride	0.592	0.577		-2.53	20
cis-1,2-Dichloroethene	0.653	0.658		0.77	20
Bromochloromethane	0.443	0.470		6.09	20
Chloroform	1.096	1.107		1	20
1,1,1-Trichloroethane	1.004	0.973		-3.09	20
Methylcyclohexane	0.631	0.612		-3.01	20
Benzene	1.515	1.544		1.91	20
1,2-Dichloroethane	0.424	0.447		5.43	20
Trichloroethene	0.383	0.378		-1.3	20
1,2-Dichloropropane	0.361	0.373		3.32	20
Bromodichloromethane	0.533	0.559		4.88	20
4-Methyl-2-Pentanone	0.228	0.266		16.67	20
Toluene	0.955	0.975		2.09	20
t-1,3-Dichloropropene	0.470	0.512		8.94	20
cis-1,3-Dichloropropene	0.557	0.587		5.39	20
1,1,2-Trichloroethane	0.263	0.285		8.36	20
2-Hexanone	0.151	0.180		19.2	20
Dibromochloromethane	0.360	0.391		8.61	20
1,2-Dibromoethane	0.248	0.270		8.87	20
Tetrachloroethene	0.407	0.384		-5.65	20
Chlorobenzene	1.181	1.160	0.3	-1.78	20

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

Raw Data: **VY021426.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG No.: Q1421

Instrument ID: MSVOA_Y Calibration Date/Time: 03/06/2025 10:10

Lab File ID: VY021426.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.072	2.064		-0.39	20
m/p-Xylenes	0.787	0.784		-0.38	20
o-Xylene	0.725	0.733		1.1	20
Styrene	1.203	1.259		4.66	20
Bromoform	0.233	0.247	0.1	6.01	20
Isopropylbenzene	3.939	3.682		-6.52	20
1,1,2,2-Tetrachloroethane	0.695	0.694	0.3	-0.14	20
1,3-Dichlorobenzene	1.834	1.710		-6.76	20
1,4-Dichlorobenzene	1.794	1.700		-5.24	20
1,2-Dichlorobenzene	1.572	1.520		-3.31	20
1,2-Dibromo-3-Chloropropane	0.104	0.106		1.92	20
1,2,4-Trichlorobenzene	0.859	0.856		-0.35	20
1,2,3-Trichlorobenzene	0.722	0.742		2.77	20
1,2-Dichloroethane-d4	0.528	0.564		6.82	20
Dibromofluoromethane	0.329	0.349		6.08	20
Toluene-d8	1.244	1.310		5.3	20
4-Bromofluorobenzene	0.423	0.469		10.88	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\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	228274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	348529	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	321426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	168733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	128835	53.398	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.800%			
35) Dibromofluoromethane	7.634	113	121683	53.115	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.240%			
50) Toluene-d8	10.103	98	456517	52.629	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.260%			
62) 4-Bromofluorobenzene	12.408	95	163454	55.397	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	91968	43.903	ug/l	96
3) Chloromethane	2.068	50	147009	49.777	ug/l	100
4) Vinyl Chloride	2.202	62	166975	51.736	ug/l	100
5) Bromomethane	2.592	94	113687	48.738	ug/l	100
6) Chloroethane	2.733	64	114896	53.870	ug/l	98
7) Trichlorofluoromethane	3.056	101	222462	49.383	ug/l	99
8) Diethyl Ether	3.452	74	64391	51.579	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	119686	46.535	ug/l	98
10) Methyl Iodide	4.007	142	134207	51.334	ug/l	100
11) Tert butyl alcohol	4.866	59	42449	272.642	ug/l	100
12) 1,1-Dichloroethene	3.787	96	110585	47.161	ug/l	99
13) Acrolein	3.653	56	6322	51.516	ug/l	86
14) Allyl chloride	4.379	41	186983	49.343	ug/l	100
15) Acrylonitrile	5.055	53	145349	273.503	ug/l	98
16) Acetone	3.873	43	108373	205.940	ug/l	95
17) Carbon Disulfide	4.104	76	354351	48.220	ug/l	98
18) Methyl Acetate	4.385	43	67392	57.717	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	316217	53.206	ug/l	98
20) Methylene Chloride	4.616	84	129572	46.907	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	128481	48.926	ug/l	97
22) Diisopropyl ether	6.019	45	430531	52.719	ug/l	96
23) Vinyl Acetate	5.958	43	1272788	273.089	ug/l	100
24) 1,1-Dichloroethane	5.915	63	242268	50.264	ug/l	100
25) 2-Butanone	6.890	43	182935	251.304	ug/l	100
26) 2,2-Dichloropropane	6.884	77	202350	45.627	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	150170	50.337	ug/l	98
28) Bromochloromethane	7.244	49	107278	53.090	ug/l	97
29) Tetrahydrofuran	7.256	42	127276	283.216	ug/l	100
30) Chloroform	7.415	83	252791	50.508	ug/l	98
31) Cyclohexane	7.701	56	202739	44.867	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	222183	48.483	ug/l	99
36) 1,1-Dichloropropene	7.835	75	175296	48.883	ug/l	99
37) Ethyl Acetate	6.982	43	90495	57.095	ug/l	97
38) Carbon Tetrachloride	7.817	117	200999	48.736	ug/l	99
39) Methylcyclohexane	9.109	83	213278	48.487	ug/l	98
40) Benzene	8.079	78	538095	50.938	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	46184	53.514	ug/l	#	92
42) 1,2-Dichloroethane	8.152	62	155915	52.759	ug/l		99
43) Isopropyl Acetate	8.195	43	171475	55.731	ug/l	#	87
44) Trichloroethene	8.866	130	131758	49.358	ug/l		100
45) 1,2-Dichloropropane	9.140	63	130077	51.738	ug/l		96
46) Dibromomethane	9.231	93	76964	55.018	ug/l		98
47) Bromodichloromethane	9.420	83	194661	52.398	ug/l		99
48) Methyl methacrylate	9.219	41	78849	55.808	ug/l		96
49) 1,4-Dioxane	9.231	88	17549	1278.089	ug/l		99
51) 4-Methyl-2-Pentanone	10.000	43	464408	292.531	ug/l		99
52) Toluene	10.170	92	339723	51.010	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	178453	54.523	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	204560	52.641	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	99287	54.258	ug/l		98
56) Ethyl methacrylate	10.438	69	135282	57.967	ug/l		98
57) 1,3-Dichloropropane	10.713	76	172201	54.296	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	326106	302.700	ug/l		99
59) 2-Hexanone	10.762	43	313862	298.994	ug/l		99
60) Dibromochloromethane	10.908	129	136186	54.286	ug/l		98
61) 1,2-Dibromoethane	11.012	107	94094	54.483	ug/l		99
64) Tetrachloroethene	10.646	164	123553	47.271	ug/l		99
65) Chlorobenzene	11.444	112	372978	49.139	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	133738	49.836	ug/l		99
67) Ethyl Benzene	11.518	91	663345	49.791	ug/l		100
68) m/p-Xylenes	11.627	106	504274	99.700	ug/l		98
69) o-Xylene	11.956	106	235466	50.512	ug/l		100
70) Styrene	11.969	104	404739	52.337	ug/l		100
71) Bromoform	12.133	173	79480	52.982	ug/l	#	99
73) Isopropylbenzene	12.255	105	621268	46.741	ug/l		99
74) N-amyl acetate	12.072	43	157019	54.396	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	117052	49.905	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	86639m	50.955	ug/l		
77) Bromobenzene	12.530	156	146642	47.159	ug/l		99
78) n-propylbenzene	12.597	91	761668	47.185	ug/l		100
79) 2-Chlorotoluene	12.682	91	434018	47.022	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	513200	47.512	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	38754	51.814	ug/l		96
82) 4-Chlorotoluene	12.780	91	451424	47.230	ug/l		99
83) tert-Butylbenzene	12.999	119	458801	47.613	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	516598	48.169	ug/l		100
85) sec-Butylbenzene	13.176	105	672802	46.928	ug/l		99
86) p-Isopropyltoluene	13.292	119	562725	47.642	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	288529	46.614	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	286896	47.394	ug/l		98
89) n-Butylbenzene	13.621	91	530559	48.645	ug/l		100
90) Hexachloroethane	13.883	117	115729	45.929	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	256501	48.350	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17841	50.779	ug/l		97
93) 1,2,4-Trichlorobenzene	14.925	180	144430	49.844	ug/l		98
94) Hexachlorobutadiene	15.029	225	87656	48.258	ug/l		100
95) Naphthalene	15.145	128	254945	51.817	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	125217	51.380	ug/l		99

Sample Results: **VY021426.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

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

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

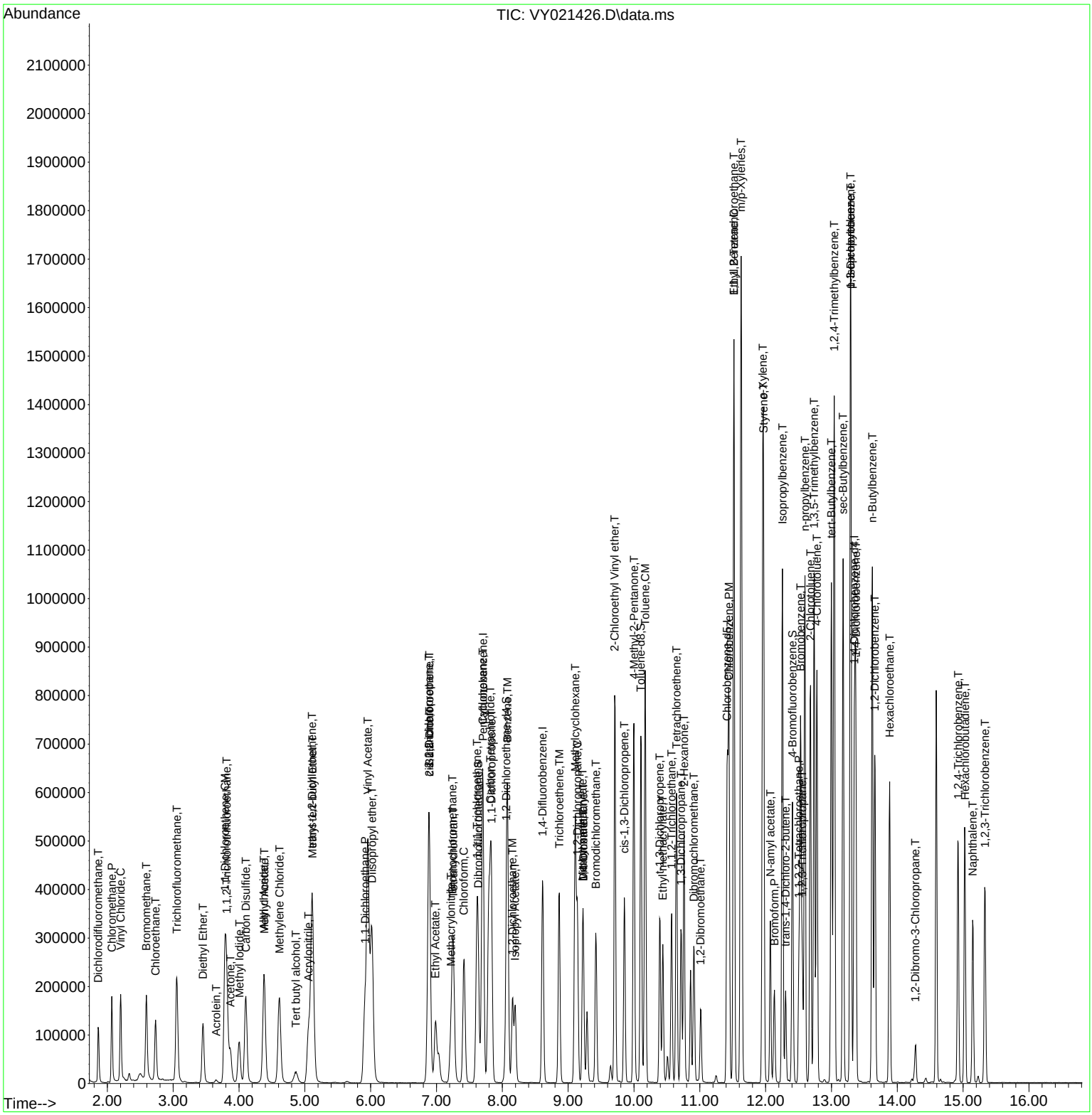
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

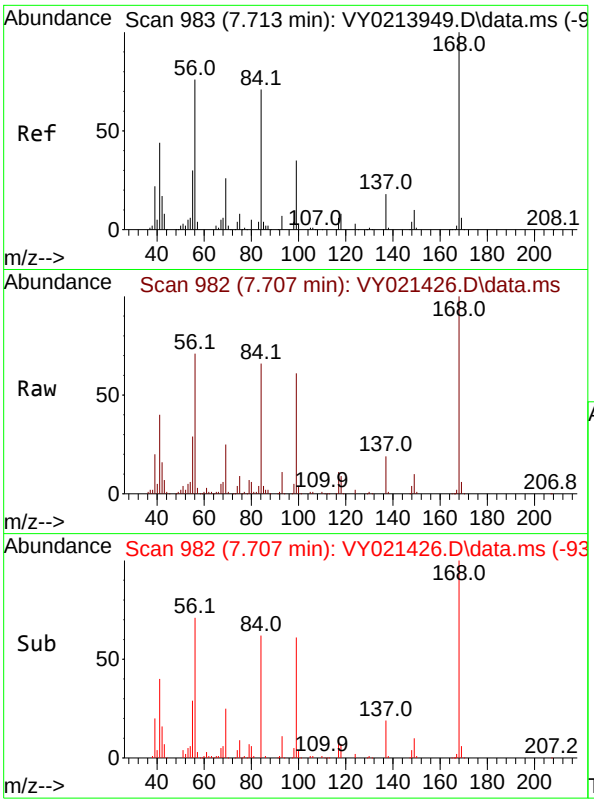
Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

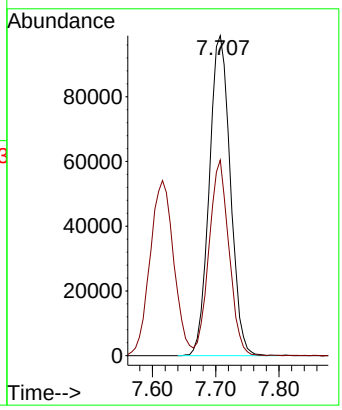




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:168 Resp: 22827

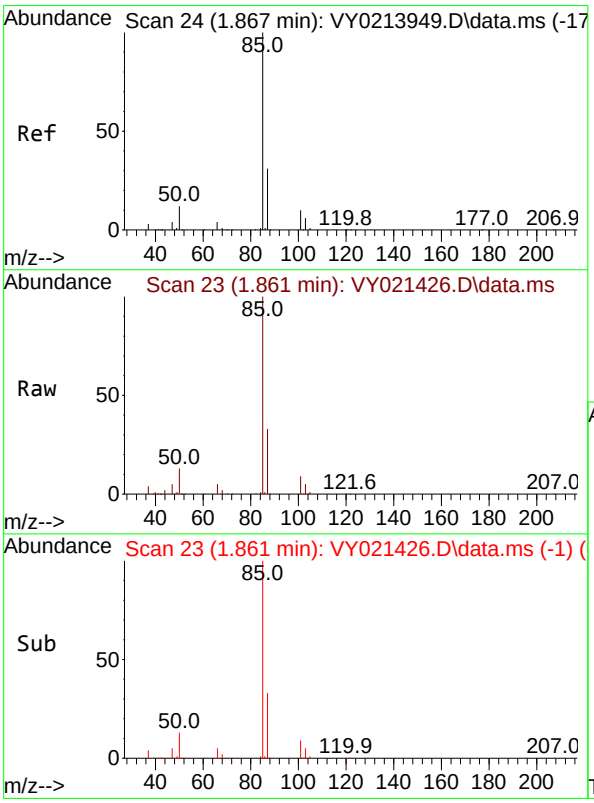
Ion	Ratio	Lower	Upper
168	100		
99	61.1	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

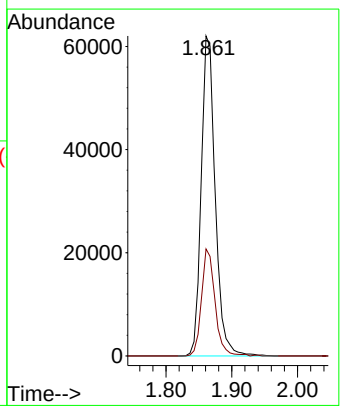
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

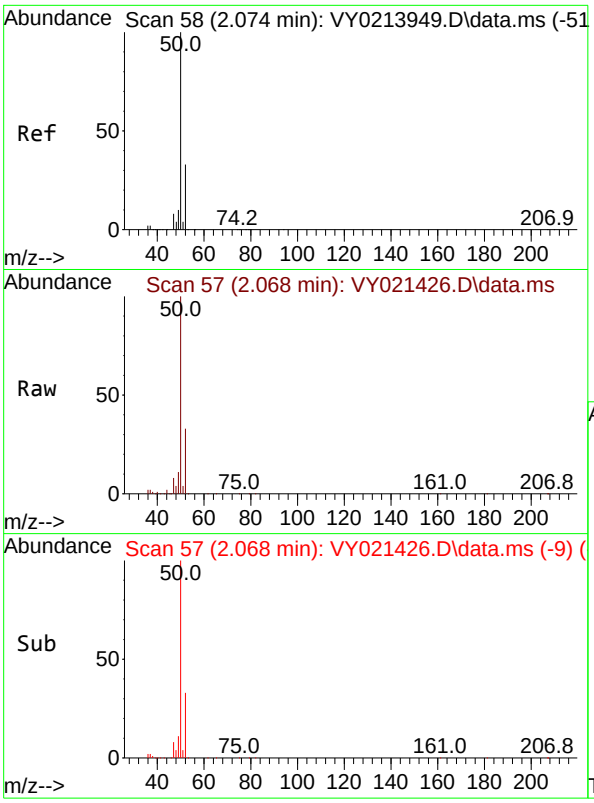


#2
Dichlorodifluoromethane
Concen: 43.903 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 85 Resp: 91968

Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.7	47.0

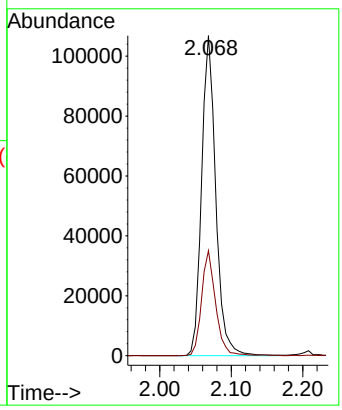




#3
Chloromethane
Concen: 49.777 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 50 Resp: 14700

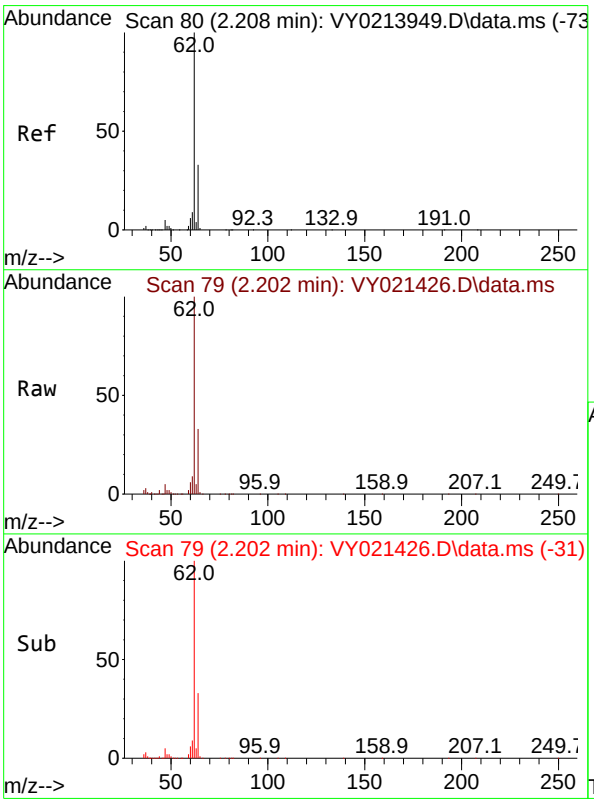
Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

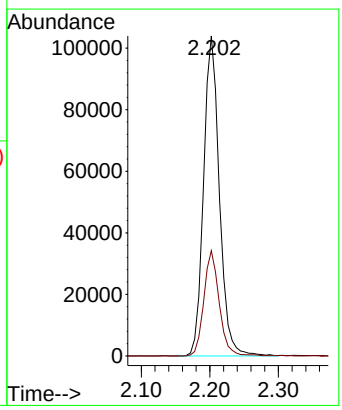
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

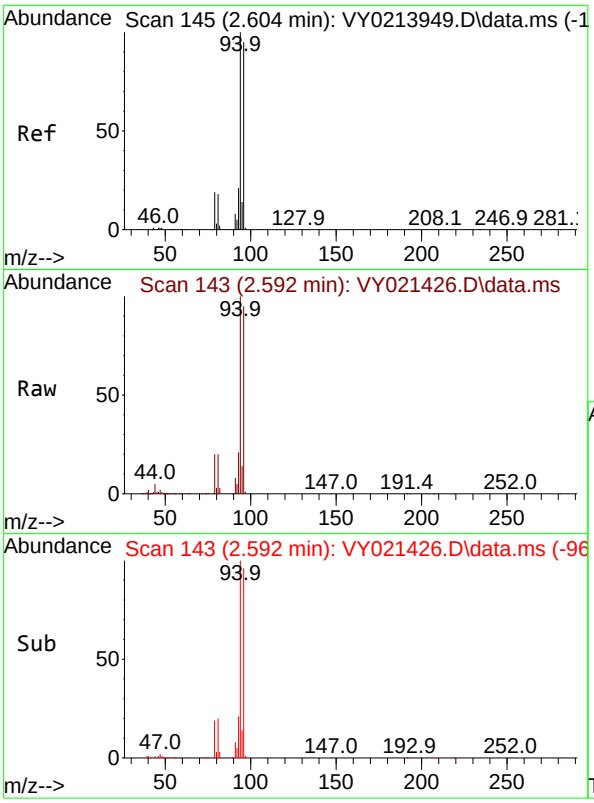


#4
Vinyl Chloride
Concen: 51.736 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 62 Resp: 166975

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.2	39.2

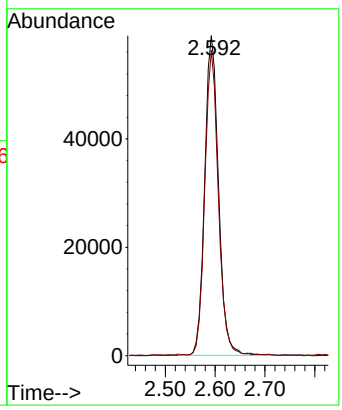




#5
Bromomethane
Concen: 48.738 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 94 Resp: 11368

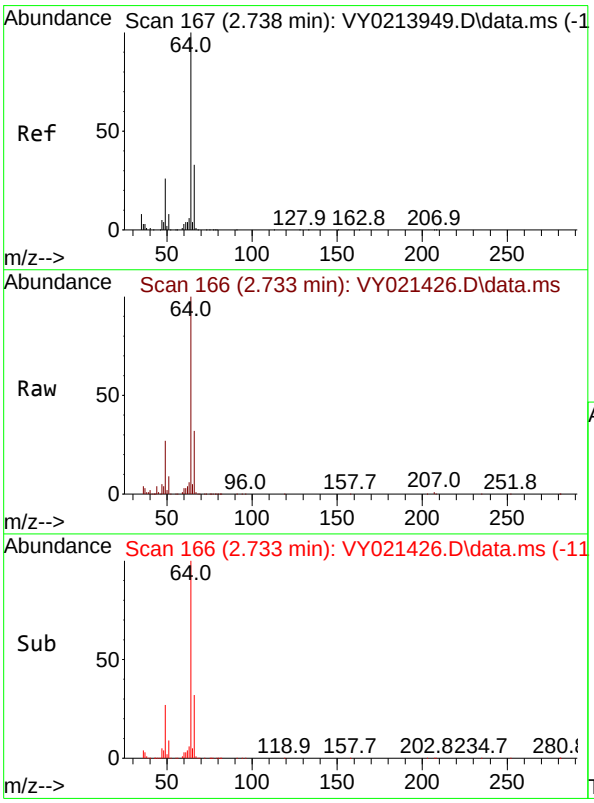
Ion	Ratio	Lower	Upper
94	100		
96	95.4	76.3	114.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

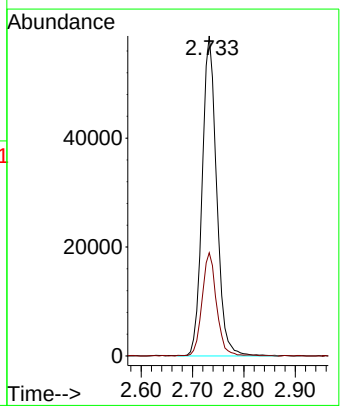
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

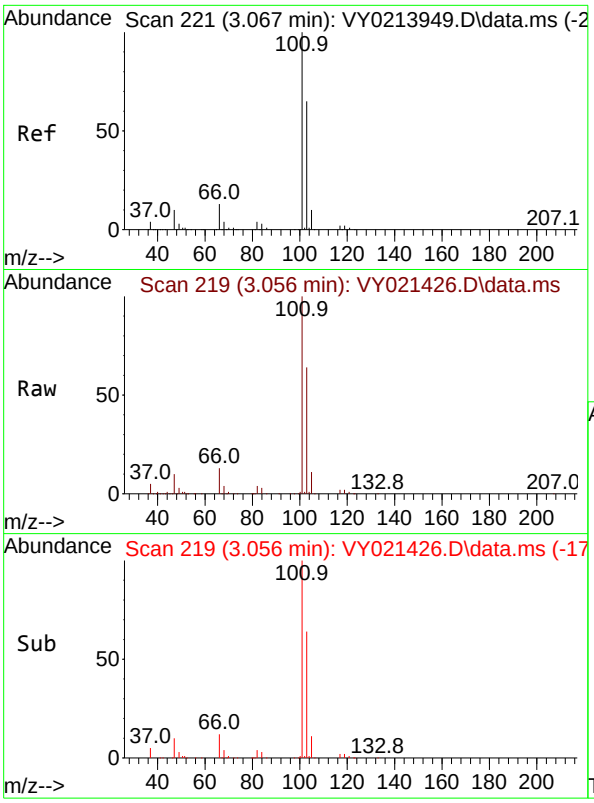


#6
Chloroethane
Concen: 53.870 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 64 Resp: 114896

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.7	40.1





#7
Trichlorofluoromethane
Concen: 49.383 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

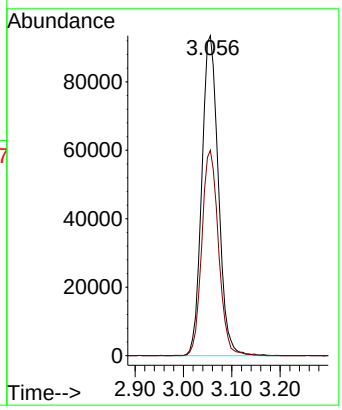
Tgt Ion:101 Resp: 22246

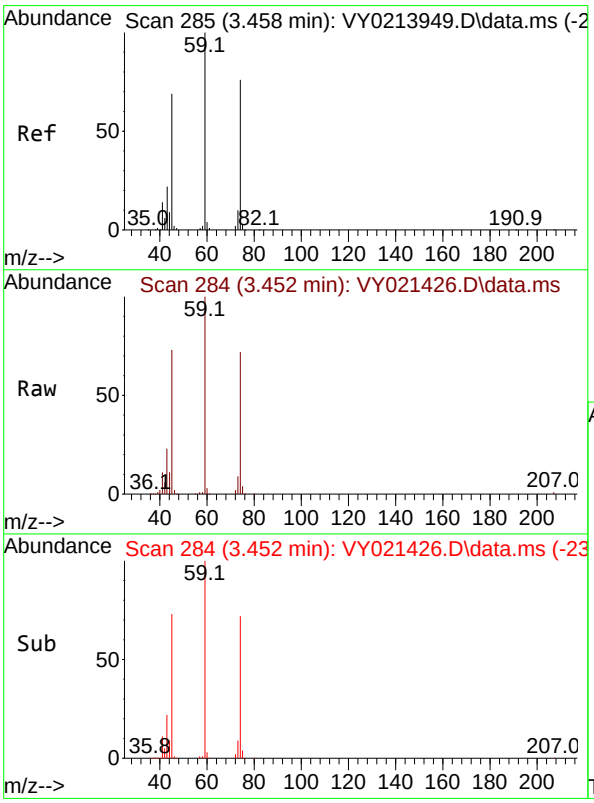
Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

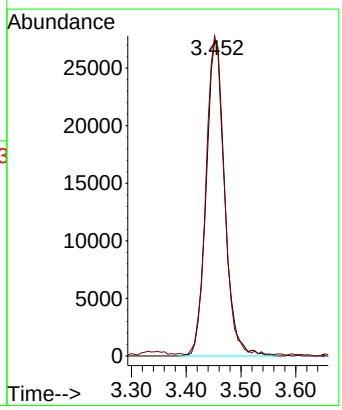


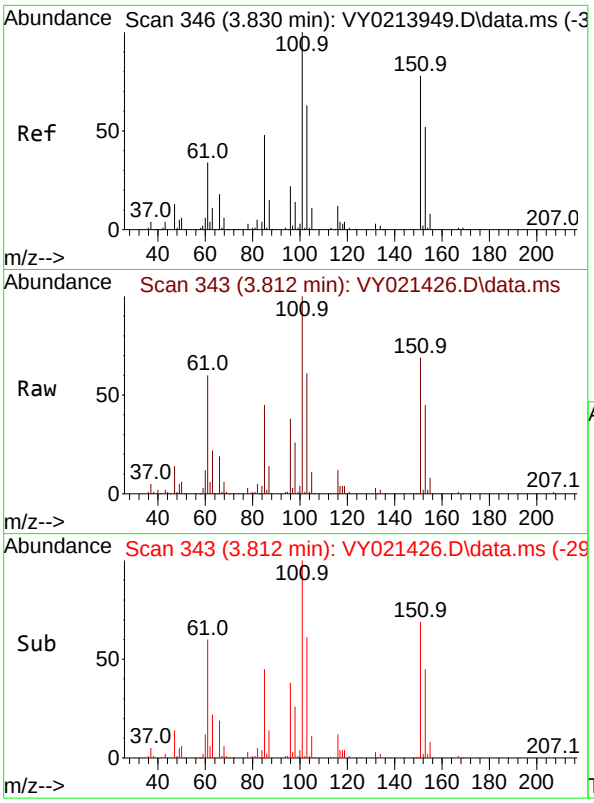


#8
Diethyl Ether
Concen: 51.579 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 74 Resp: 64391

Ion	Ratio	Lower	Upper
74	100		
45	98.9	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.535 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.018 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

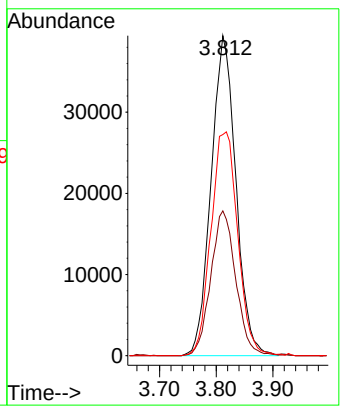
Tgt Ion:101 Resp: 11968

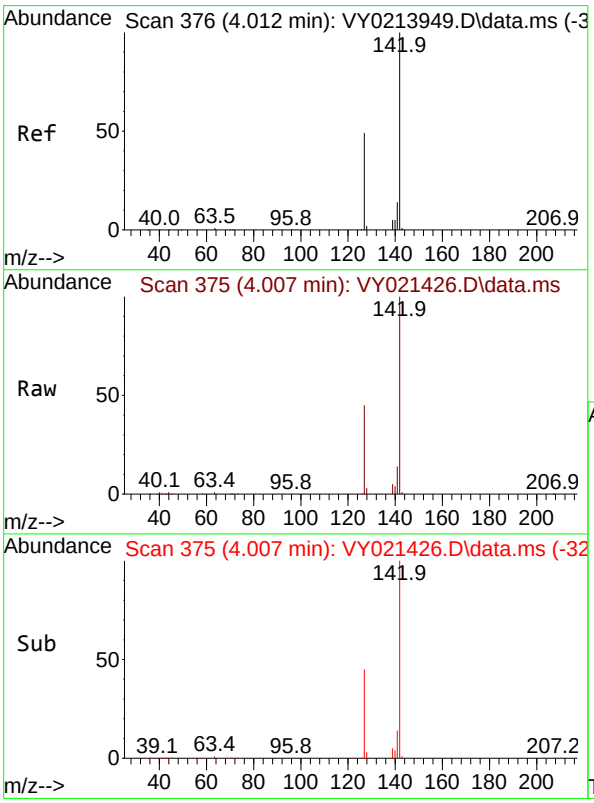
Ion	Ratio	Lower	Upper
101	100		
85	45.7	37.1	55.7
151	75.6	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

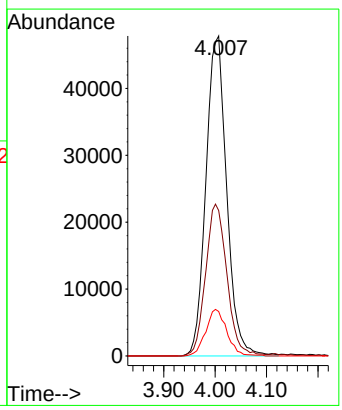


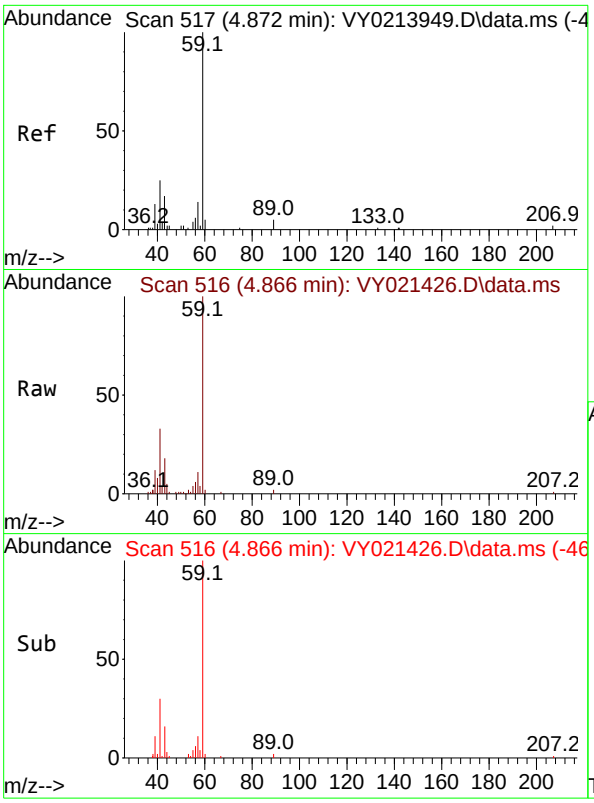


#10
Methyl Iodide
Concen: 51.334 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:142 Resp: 134207

Ion	Ratio	Lower	Upper
142	100		
127	48.8	39.1	58.7
141	14.8	11.8	17.6

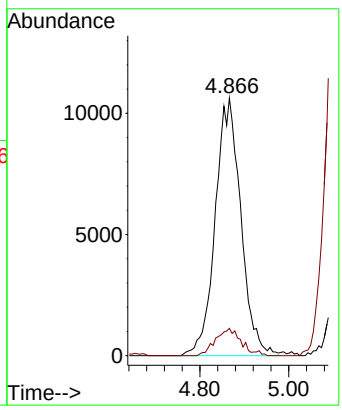




#11
Tert butyl alcohol
Concen: 272.642 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 59 Resp: 4244

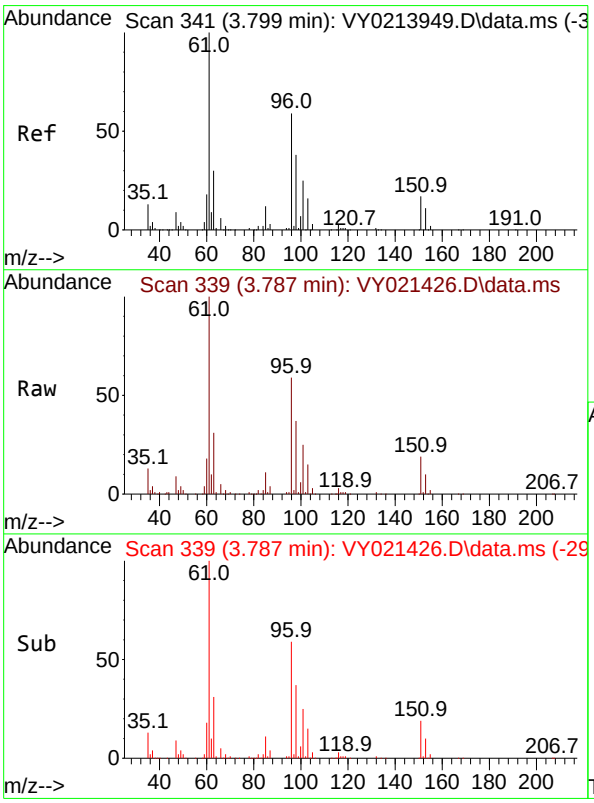
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

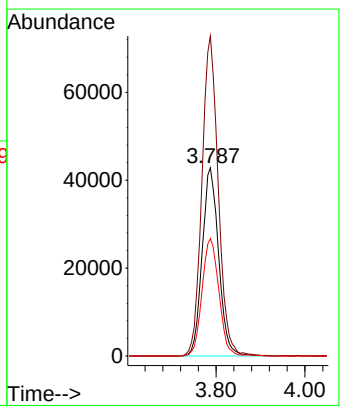
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

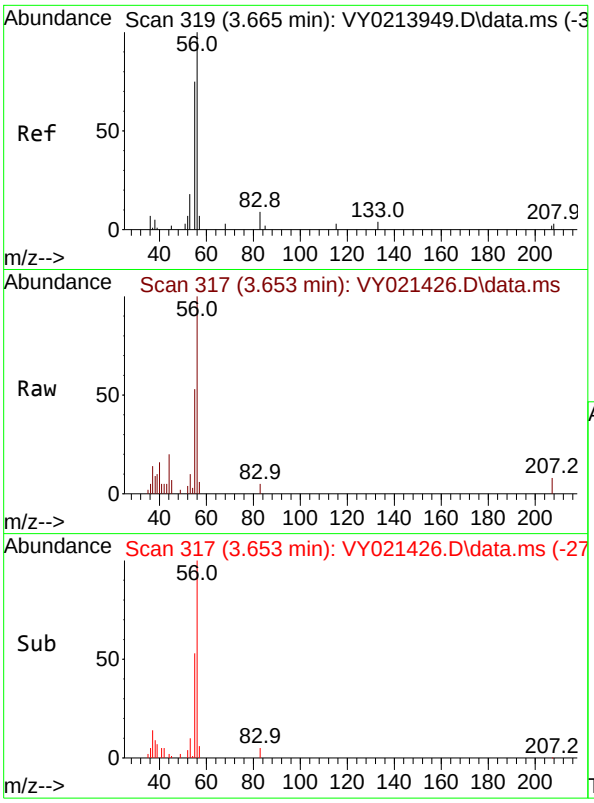


#12
1,1-Dichloroethene
Concen: 47.161 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 96 Resp: 110585

Ion	Ratio	Lower	Upper
96	100		
61	170.0	135.2	202.8
98	62.4	51.4	77.2





#13
Acrolein
Concen: 51.516 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

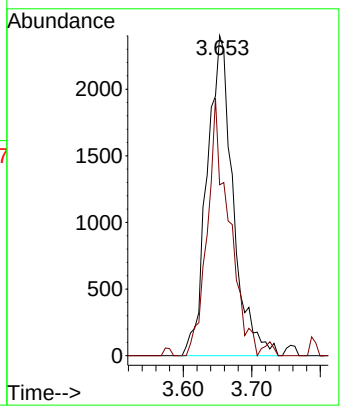
Tgt Ion: 56 Resp: 632

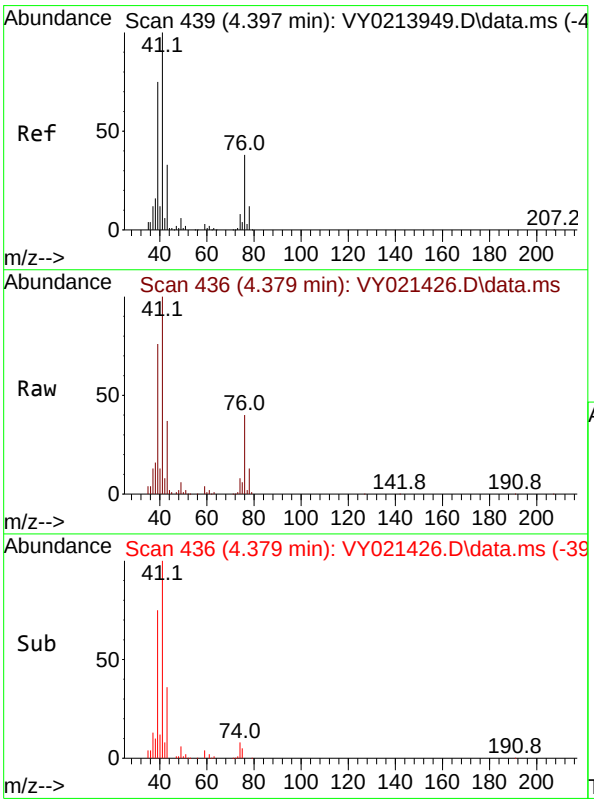
Ion	Ratio	Lower	Upper
56	100		
55	66.9	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

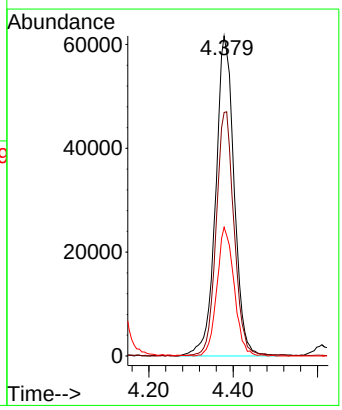


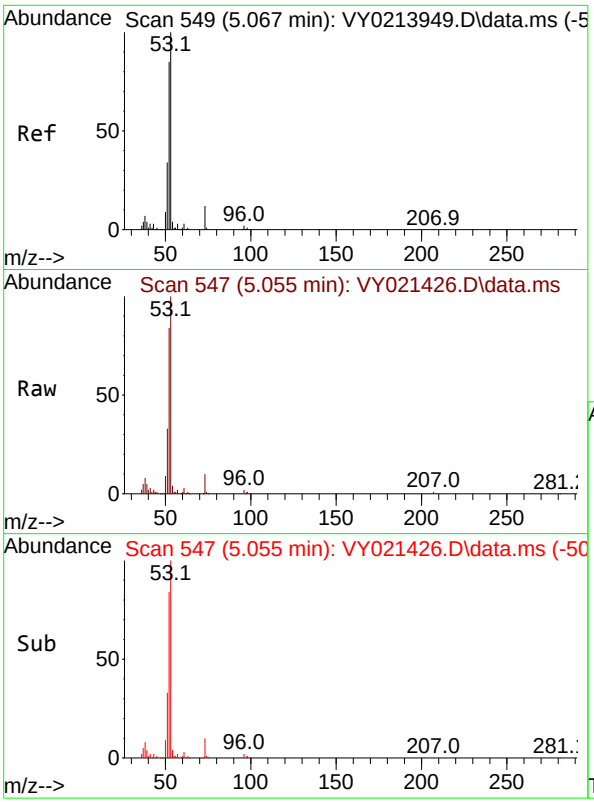


#14
Allyl chloride
Concen: 49.343 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.018 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 41 Resp: 186983

Ion	Ratio	Lower	Upper
41	100		
39	73.9	59.3	88.9
76	37.5	29.8	44.8

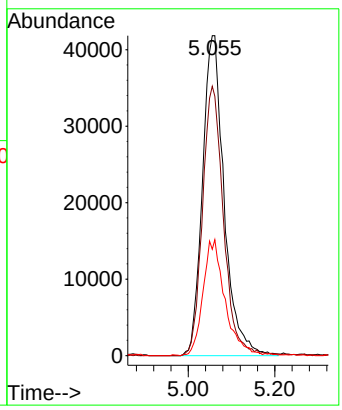




#15
Acrylonitrile
Concen: 273.503 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 53 Resp: 145349

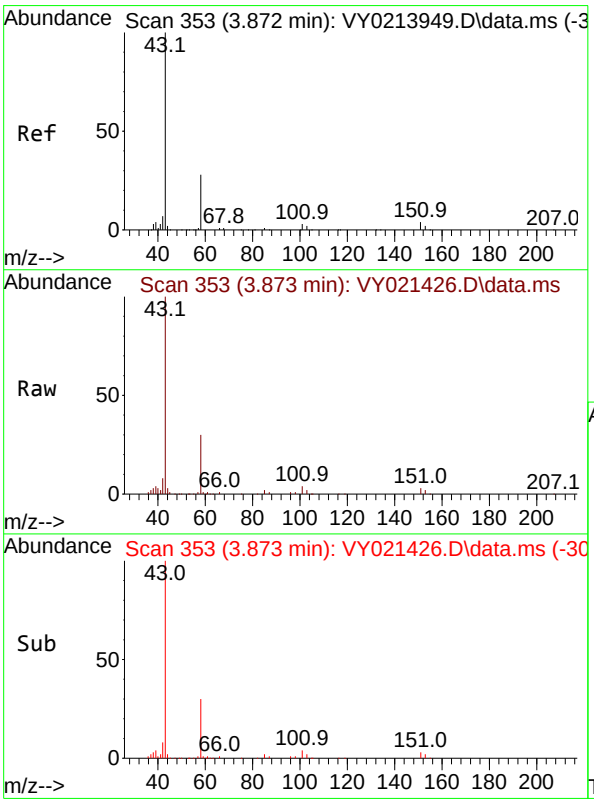
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.3	99.5
51	36.7	30.3	45.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

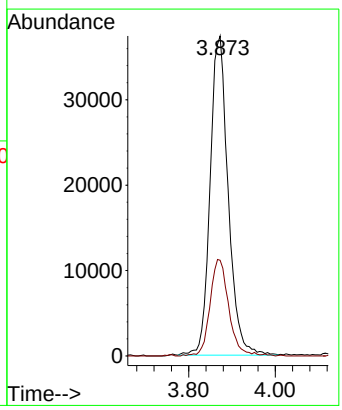
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

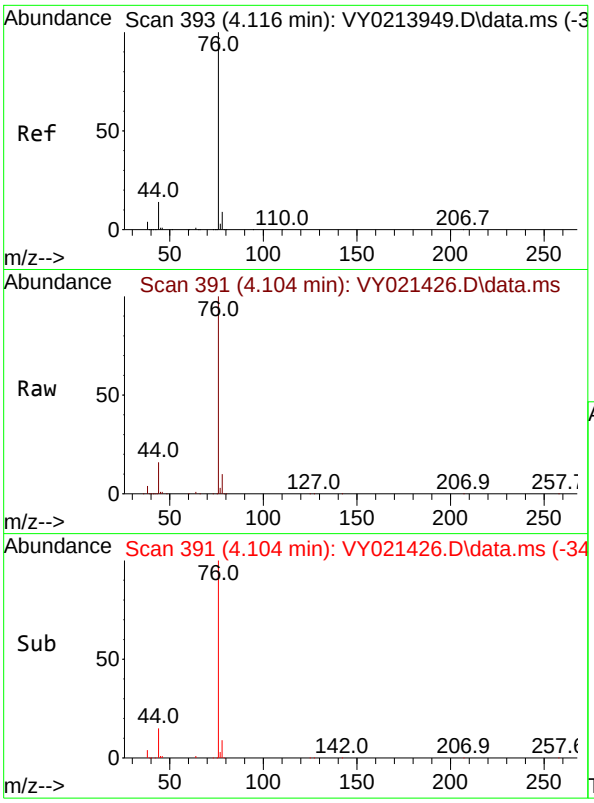


#16
Acetone
Concen: 205.940 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.001 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 43 Resp: 108373

Ion	Ratio	Lower	Upper
43	100		
58	30.0	22.1	33.1

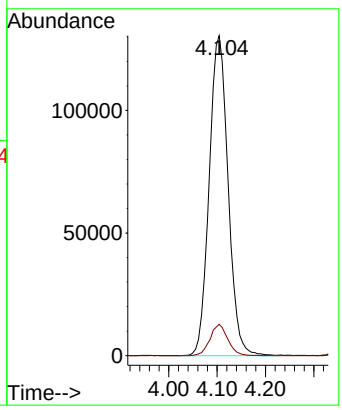




#17
Carbon Disulfide
Concen: 48.220 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 76 Resp: 35435

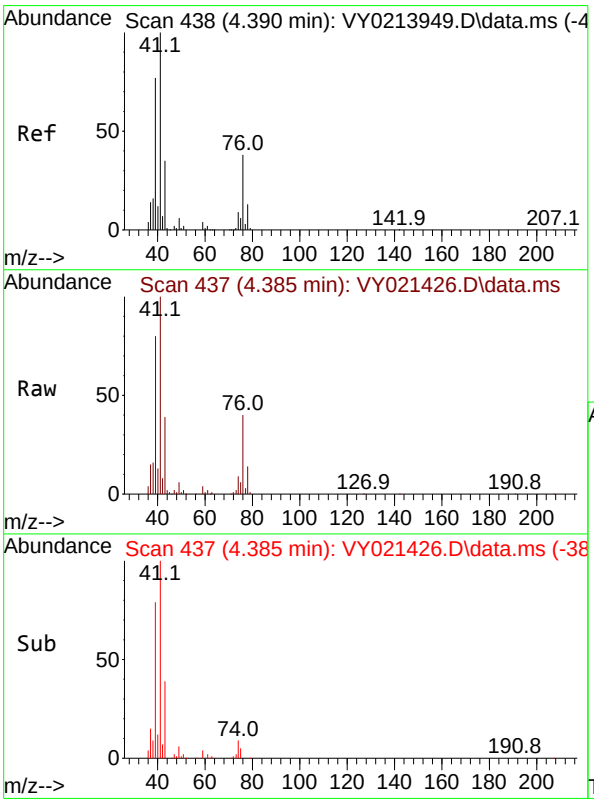
Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

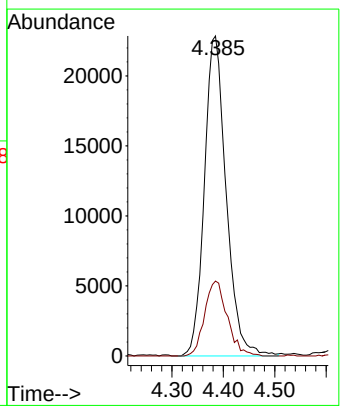
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

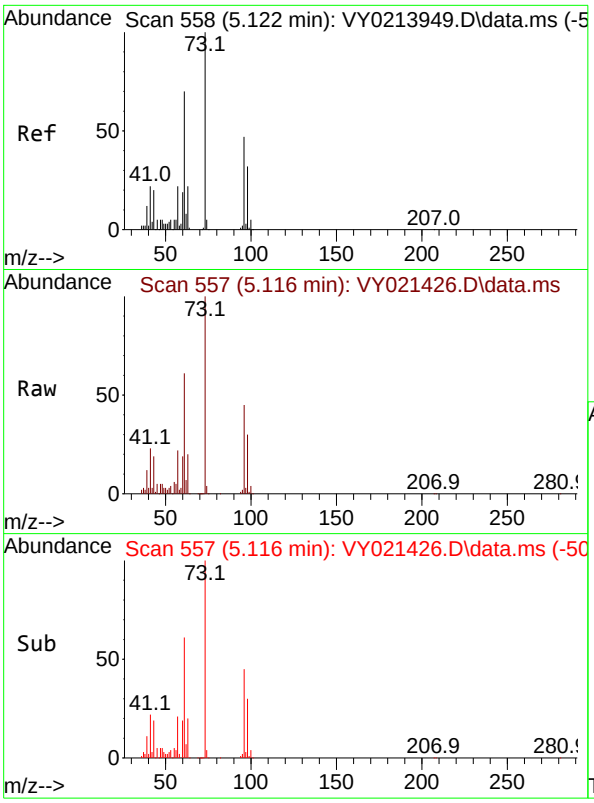


#18
Methyl Acetate
Concen: 57.717 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 43 Resp: 67392

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.0

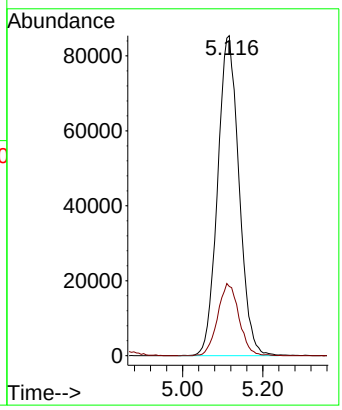




#19
Methyl tert-butyl Ether
Concen: 53.206 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 73 Resp: 31621

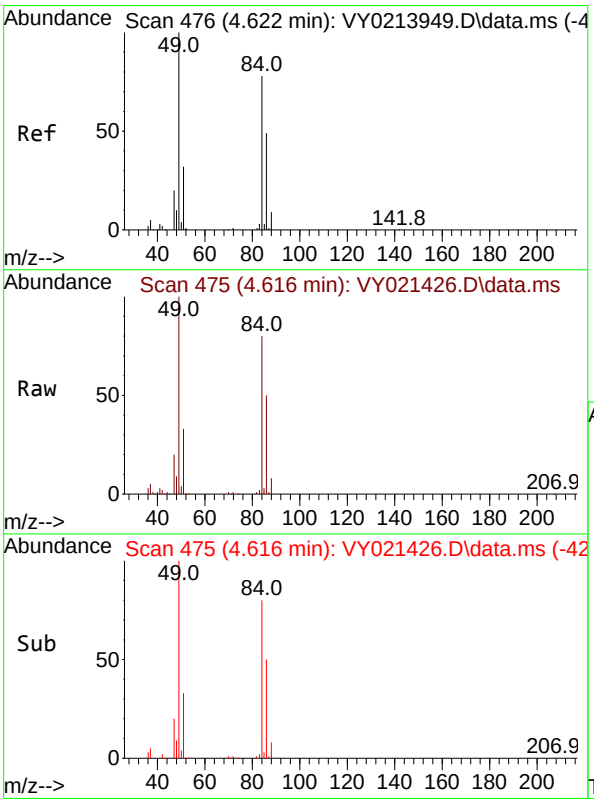
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

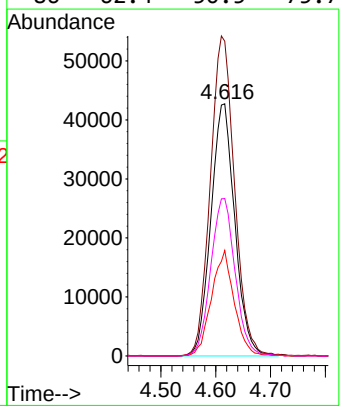
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

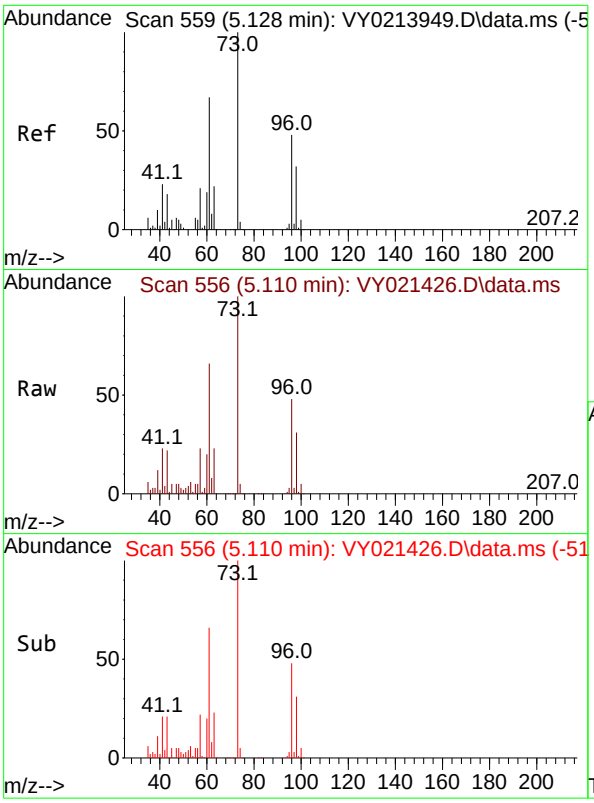


#20
Methylene Chloride
Concen: 46.907 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 84 Resp: 129572

Ion	Ratio	Lower	Upper
84	100		
49	124.8	102.0	153.0
51	41.8	33.0	49.6
86	62.4	50.5	75.7

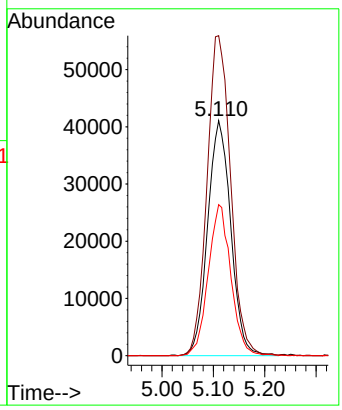




#21
trans-1,2-Dichloroethene
Concen: 48.926 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 96 Resp: 12848

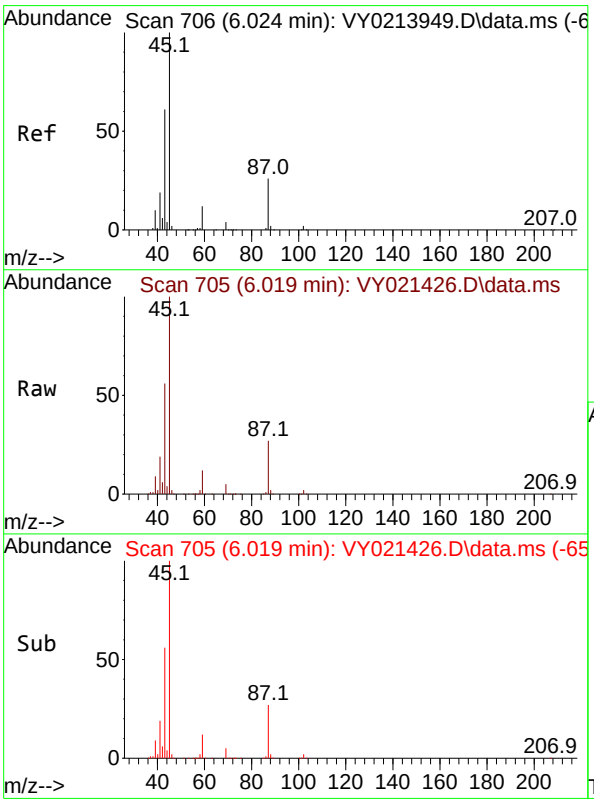
Ion	Ratio	Lower	Upper
96	100		
61	136.1	111.5	167.3
98	64.3	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

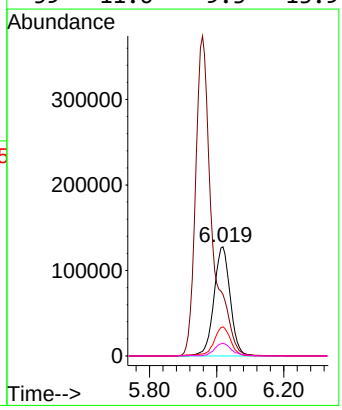
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

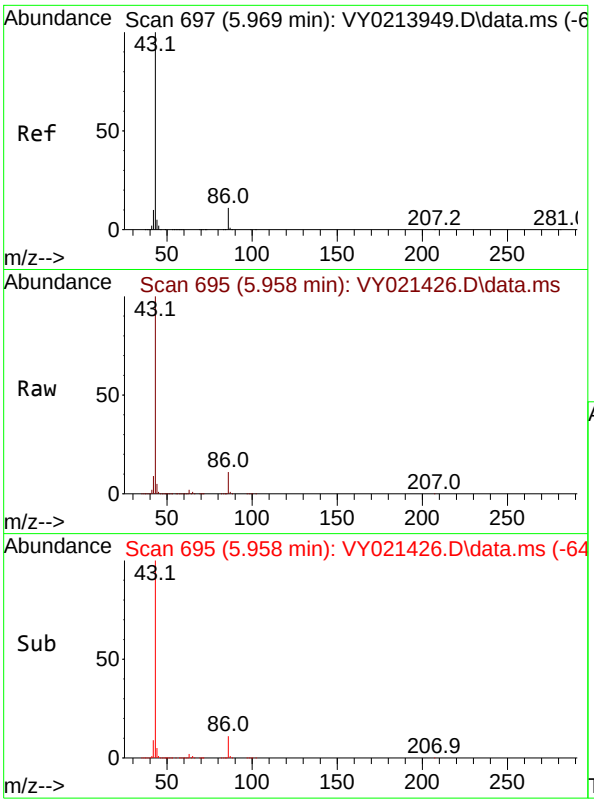


#22
Diisopropyl ether
Concen: 52.719 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 45 Resp: 430531

Ion	Ratio	Lower	Upper
45	100		
43	56.2	48.7	73.1
87	26.7	21.5	32.3
59	11.6	9.3	13.9





#23
Vinyl Acetate
Concen: 273.089 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

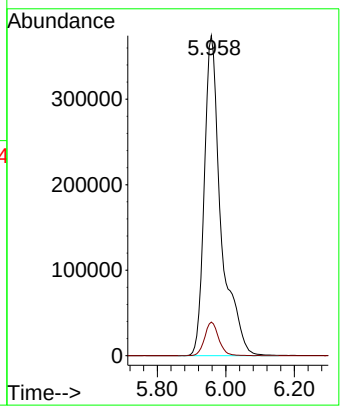
Tgt Ion: 43 Resp: 127278

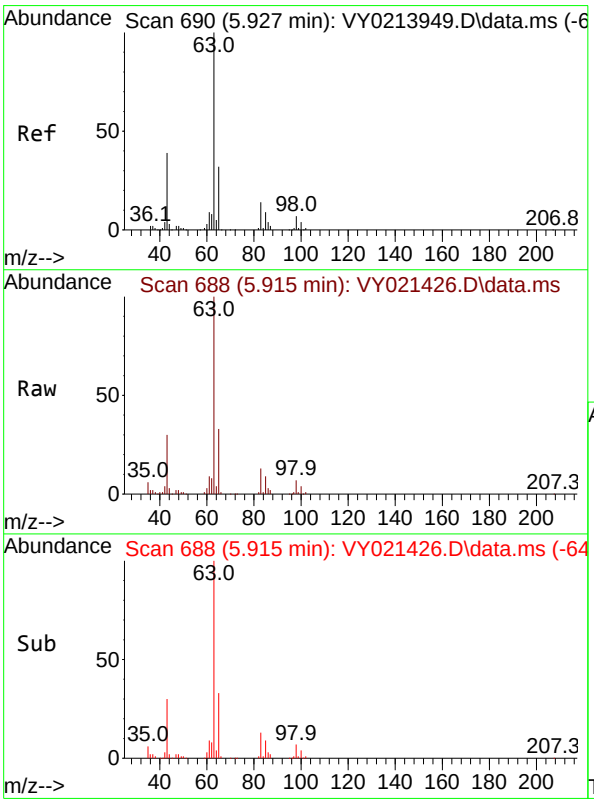
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

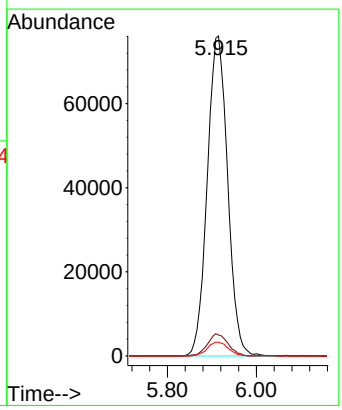


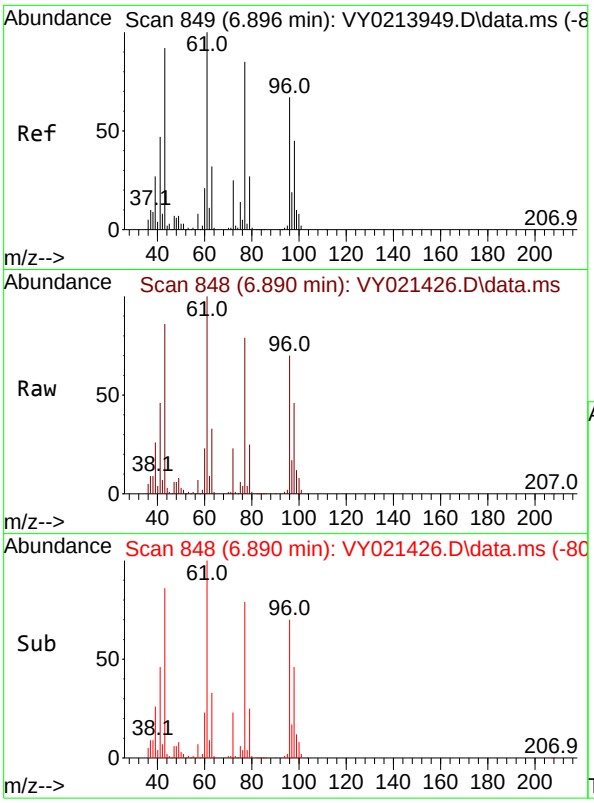


#24
1,1-Dichloroethane
Concen: 50.264 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 63 Resp: 242268

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.9
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 251.304 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

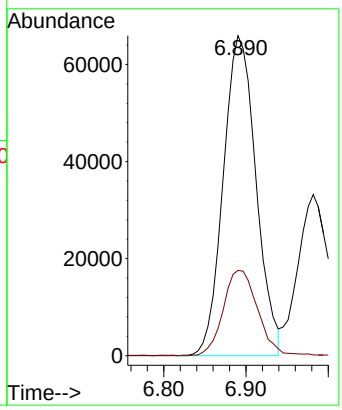
Tgt Ion: 43 Resp: 18293

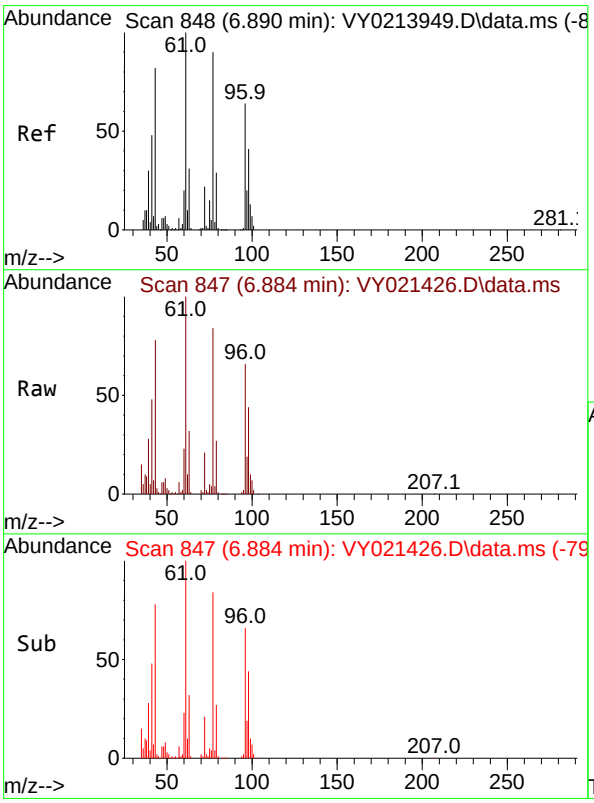
Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

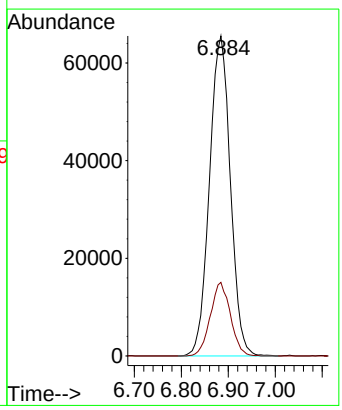


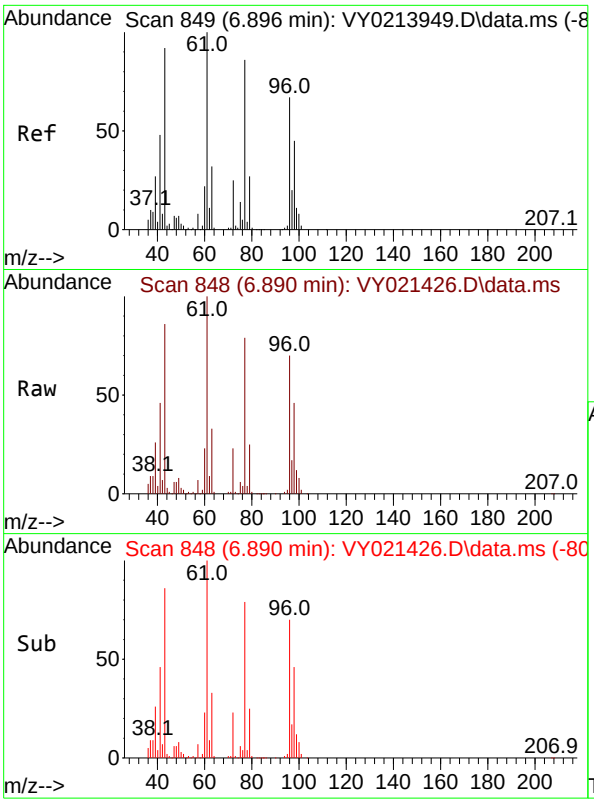


#26
2,2-Dichloropropane
Concen: 45.627 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 77 Resp: 202350

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 50.337 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

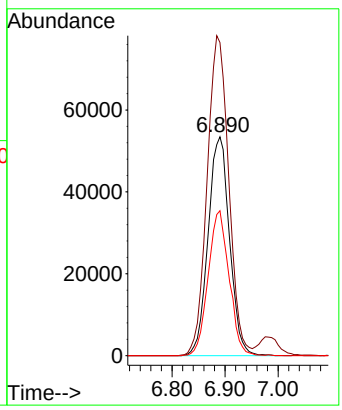
Tgt Ion: 96 Resp: 15017

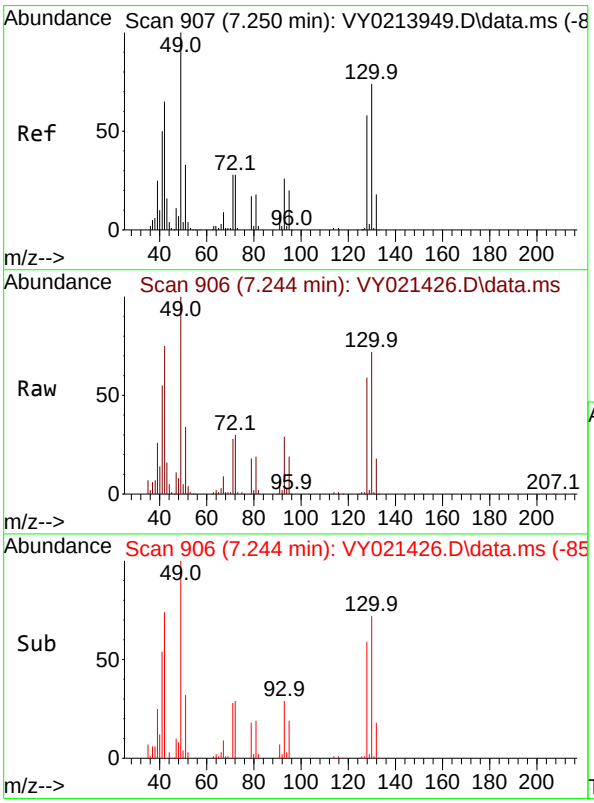
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	300.8
98	64.6	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

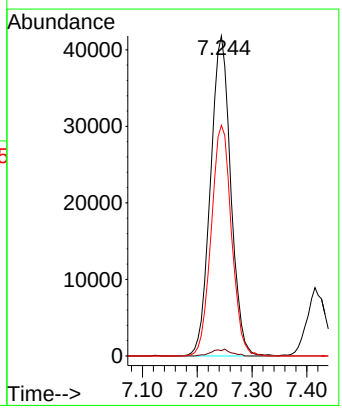


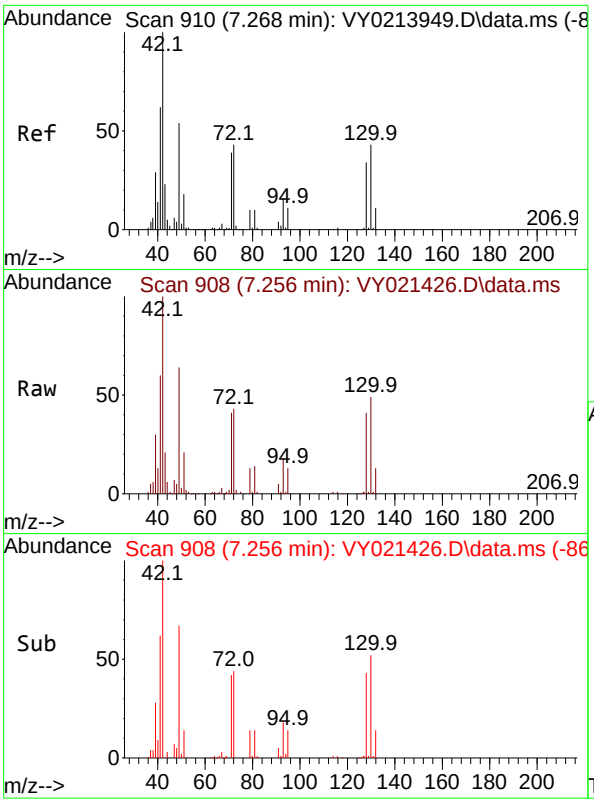


#28
Bromochloromethane
Concen: 53.090 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 49 Resp: 107278

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	72.0	59.6	89.4





#29
Tetrahydrofuran
Concen: 283.216 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

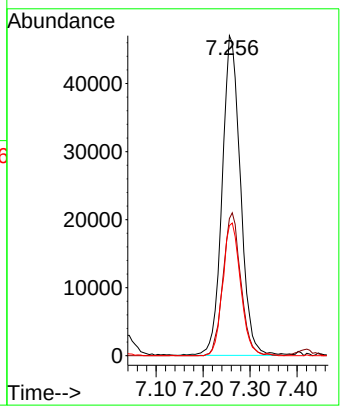
Tgt Ion: 42 Resp: 12727

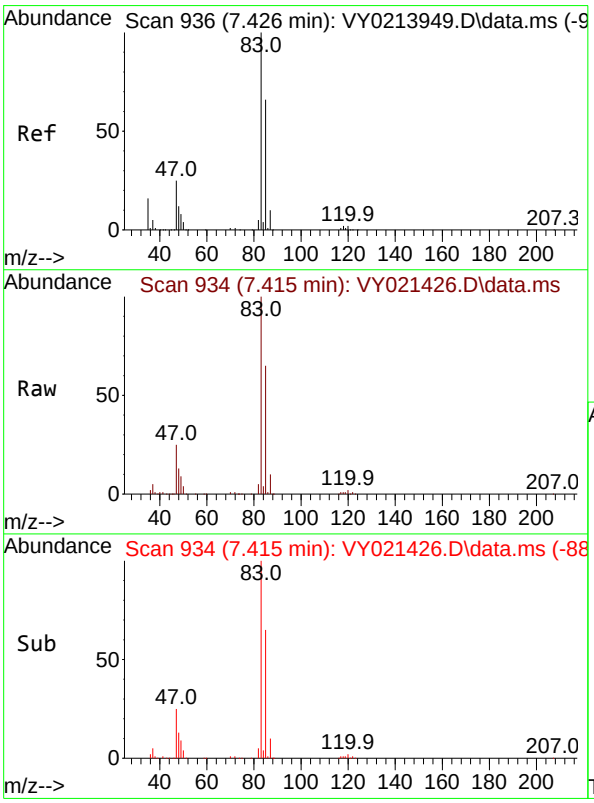
Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.8	52.2
71	40.7	32.6	48.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

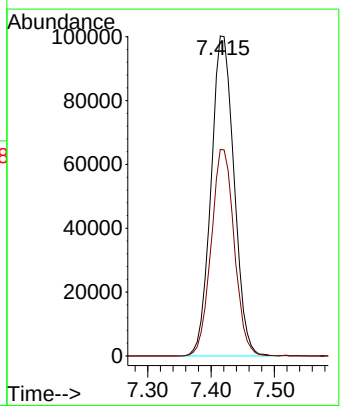


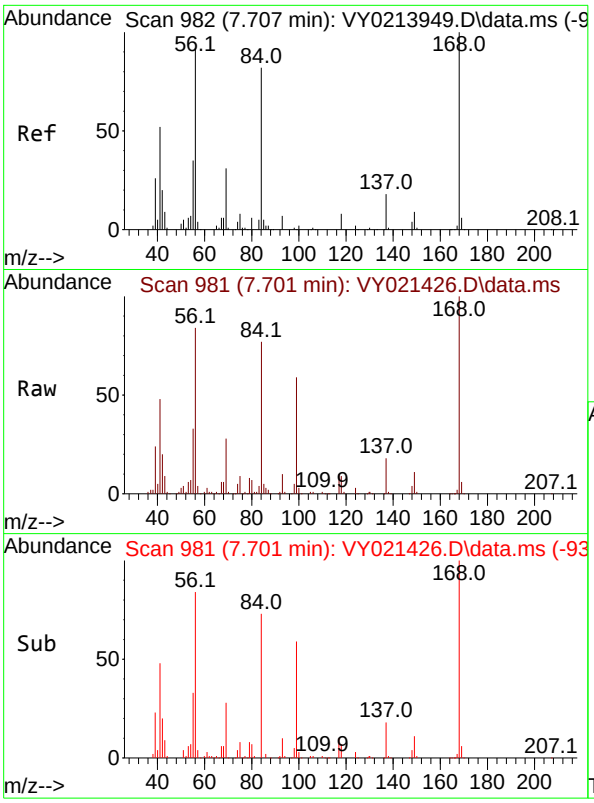


#30
Chloroform
Concen: 50.508 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 83 Resp: 252791

Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.1	79.7

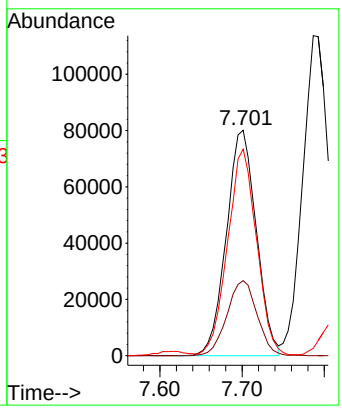




#31
Cyclohexane
Concen: 44.867 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 56 Resp: 20273

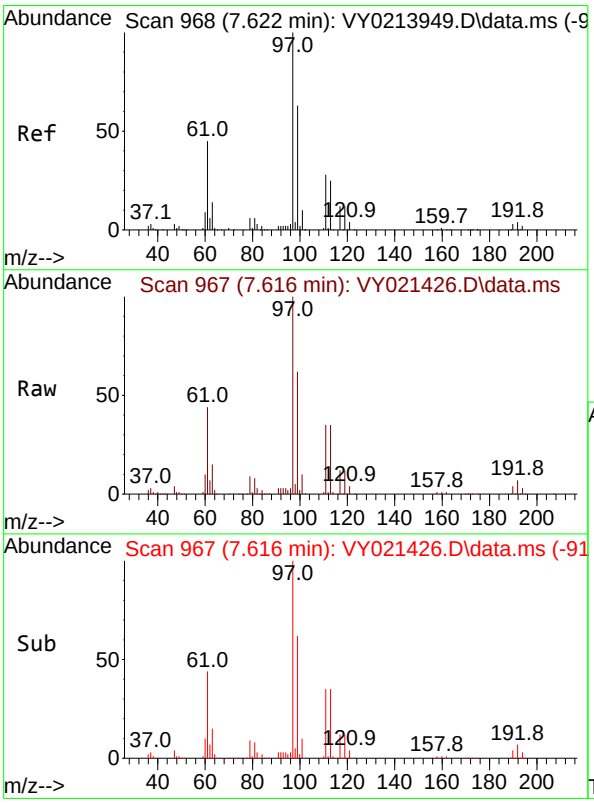
Ion	Ratio	Lower	Upper
56	100		
69	33.3	27.0	40.4
84	89.8	71.1	106.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

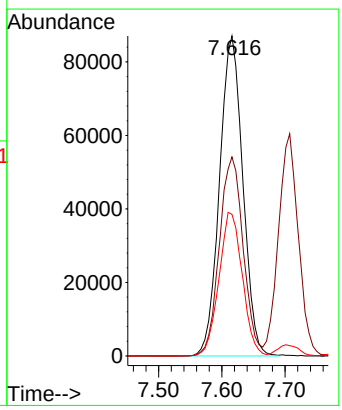
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

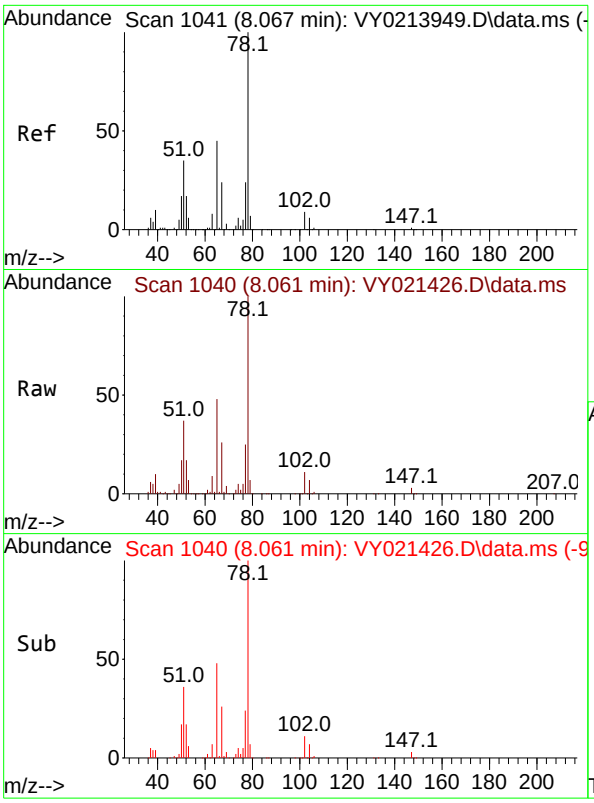


#32
1,1,1-Trichloroethane
Concen: 48.483 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 97 Resp: 222183

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.7	77.5
61	45.1	35.7	53.5

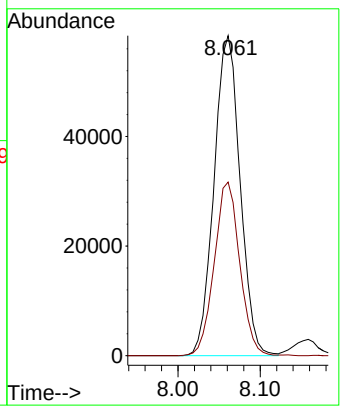




#33
1,2-Dichloroethane-d4
Concen: 53.398 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 65 Resp: 12883

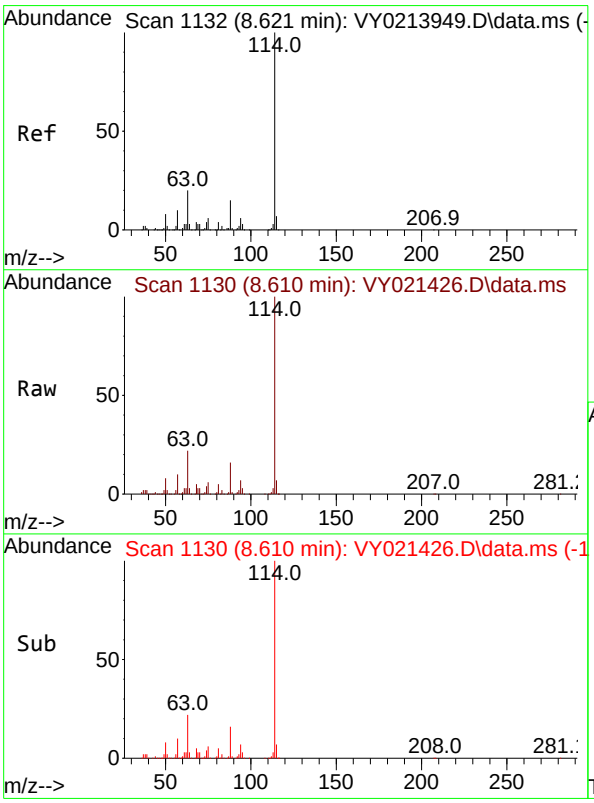
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	102.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

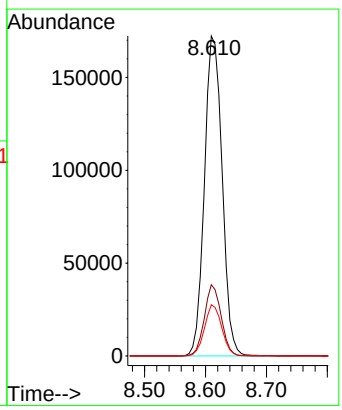
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

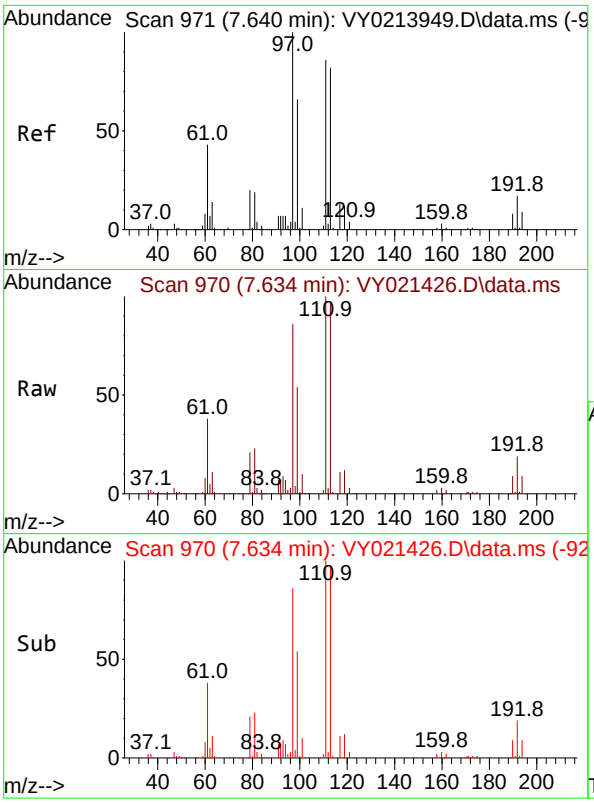


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:114 Resp: 348529

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	40.8
88	16.0	0.0	30.8

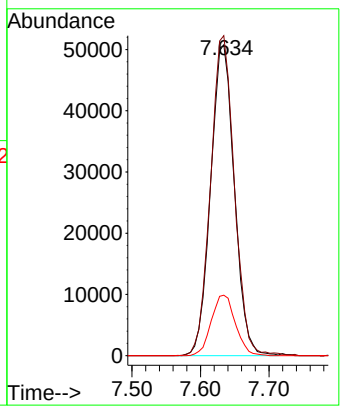




#35
Dibromofluoromethane
Concen: 53.115 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:113 Resp: 12168

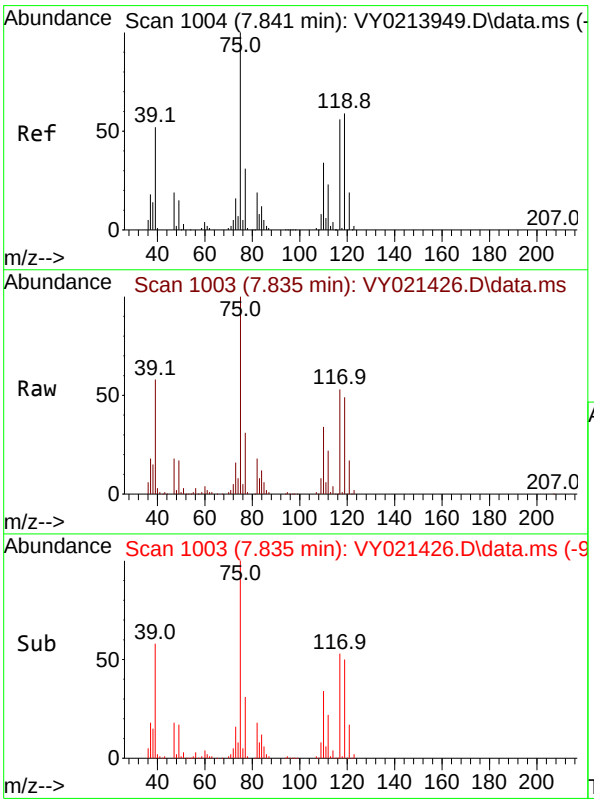
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.0	123.0
192	19.9	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

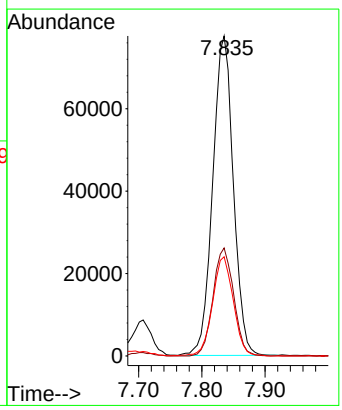
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

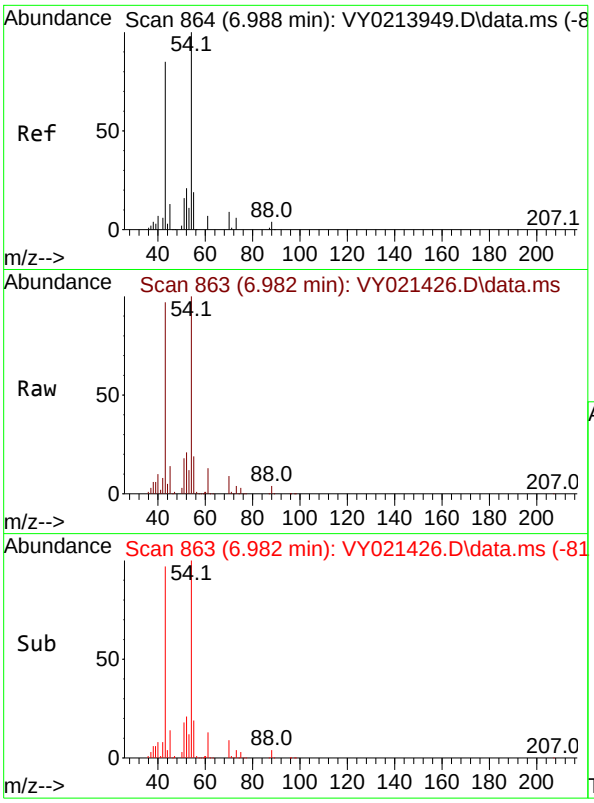


#36
1,1-Dichloropropene
Concen: 48.883 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 75 Resp: 175296

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.3	51.7
77	31.3	25.4	38.2





#37
Ethyl Acetate
Concen: 57.095 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

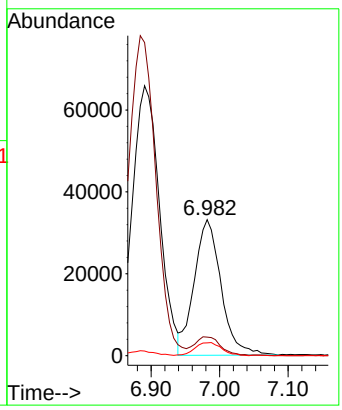
Tgt Ion: 43 Resp: 9049

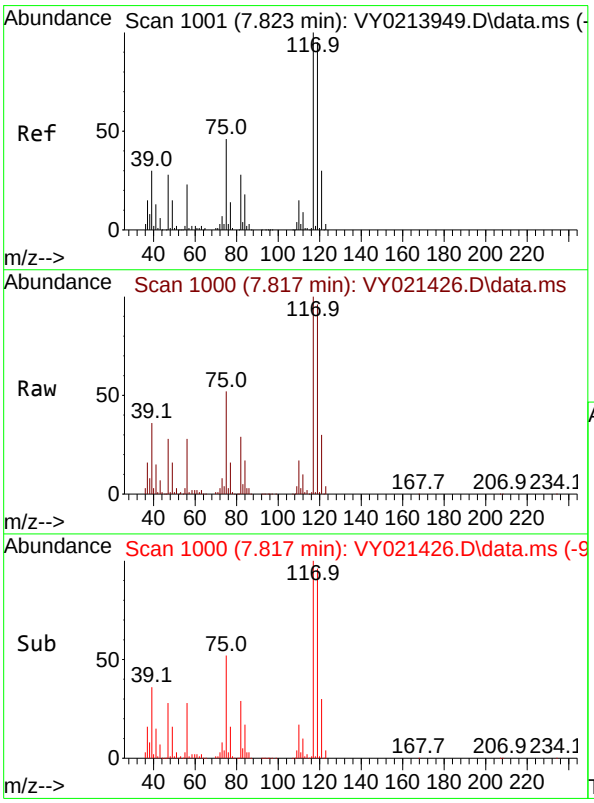
Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.4	17.0
70	9.6	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

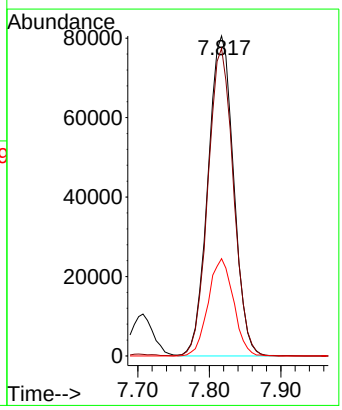


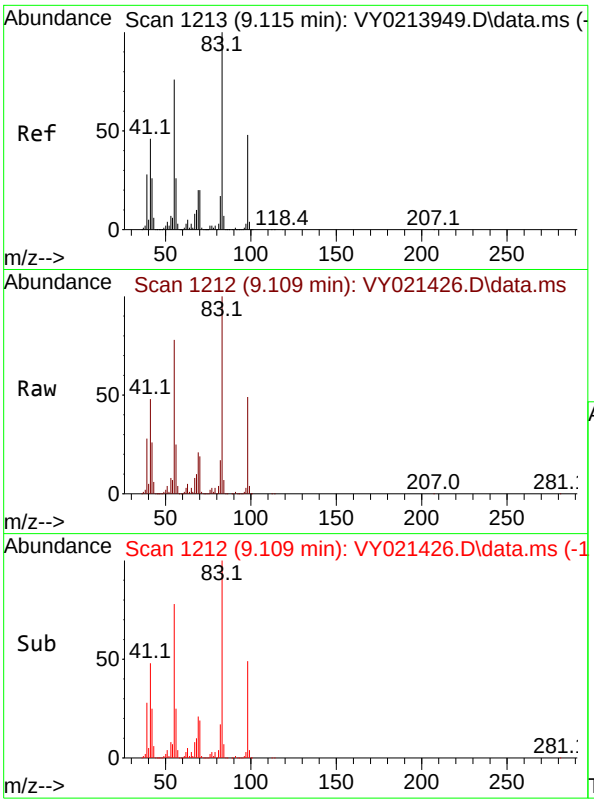


#38
Carbon Tetrachloride
Concen: 48.736 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:117 Resp: 200999

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.8	113.8
121	30.4	23.9	35.9





#39
Methylcyclohexane
Concen: 48.487 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

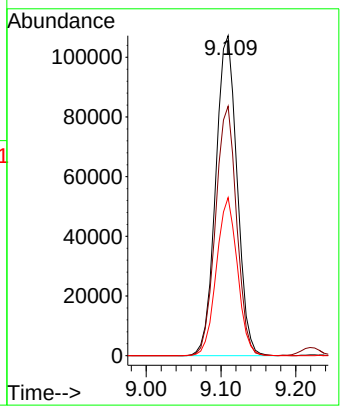
Tgt Ion: 83 Resp: 21327

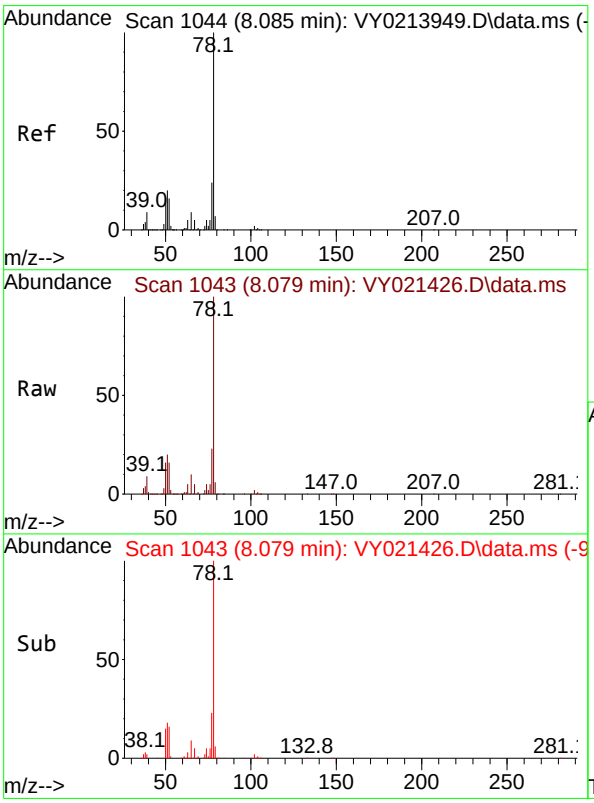
Ion	Ratio	Lower	Upper
83	100		
55	78.0	60.7	91.1
98	49.4	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

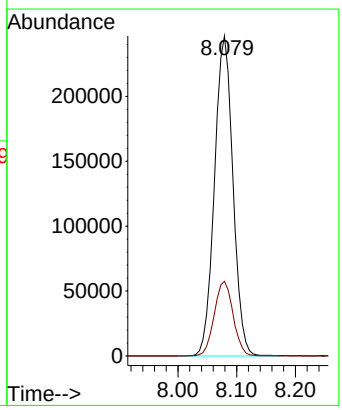


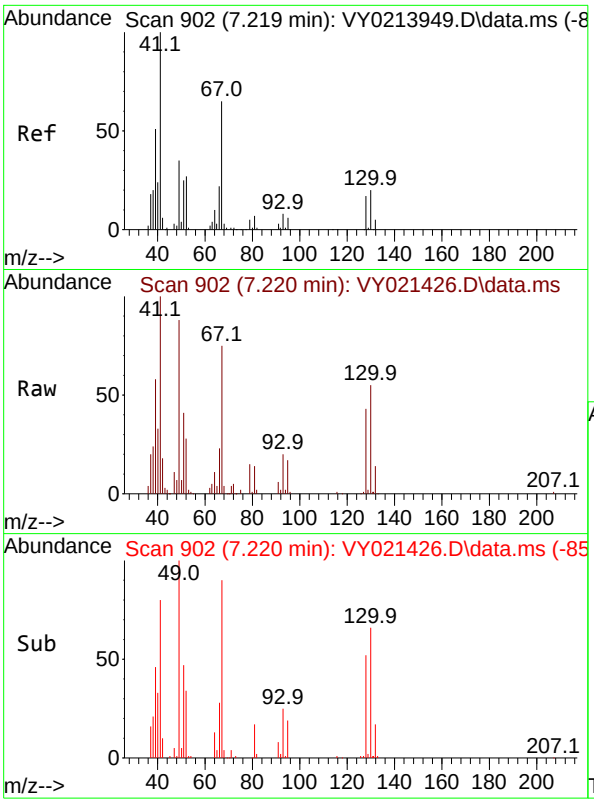


#40
Benzene
Concen: 50.938 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 78 Resp: 538095

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4

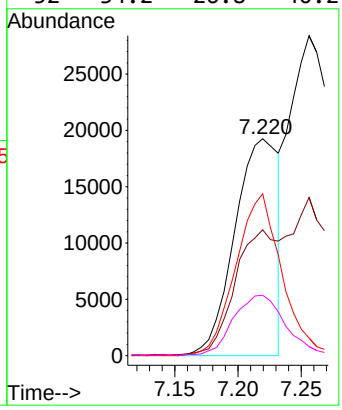




#41
Methacrylonitrile
Concen: 53.514 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 41 Resp: 4618

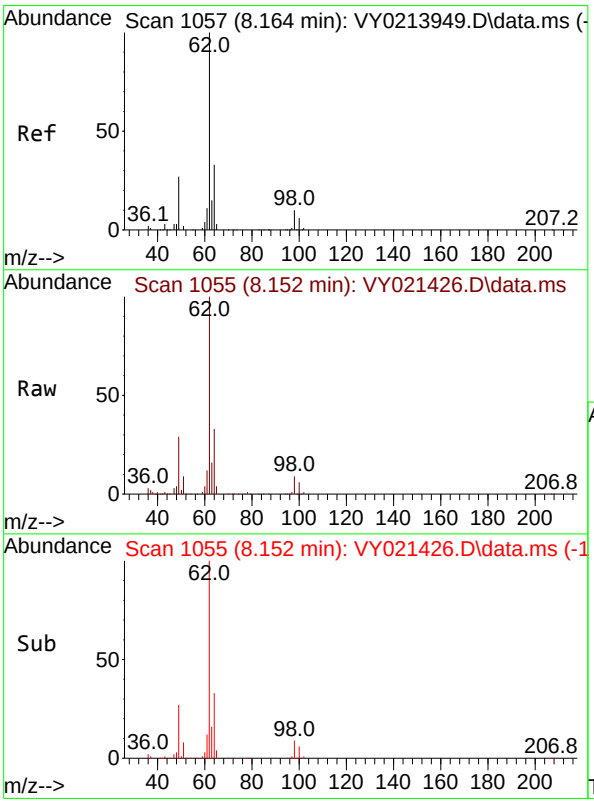
Ion	Ratio	Lower	Upper
41	100		
39	57.5	35.0	52.6
67	78.8	61.2	91.8
52	34.2	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

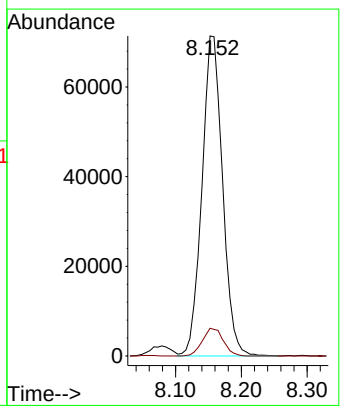
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

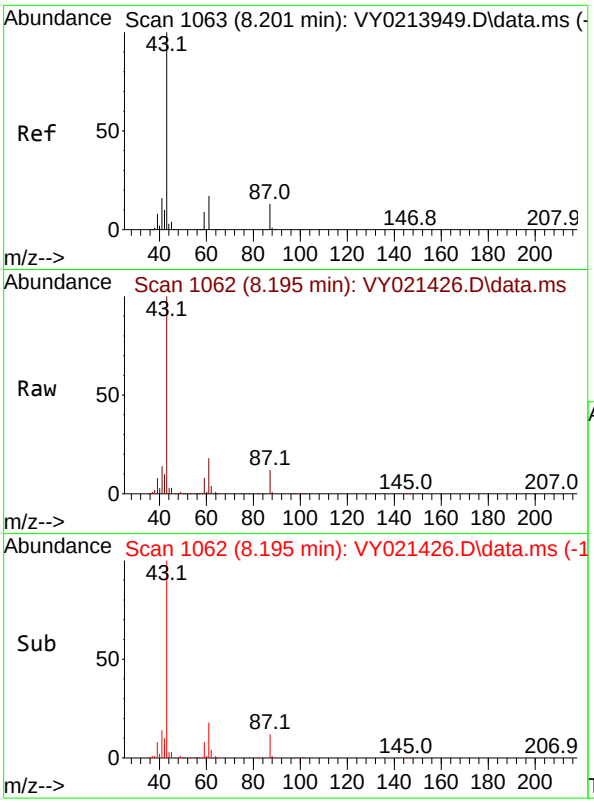


#42
1,2-Dichloroethane
Concen: 52.759 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 62 Resp: 155915

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2





#43
Isopropyl Acetate
Concen: 55.731 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

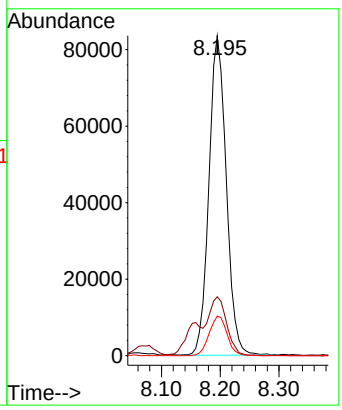
Tgt Ion: 43 Resp: 17147

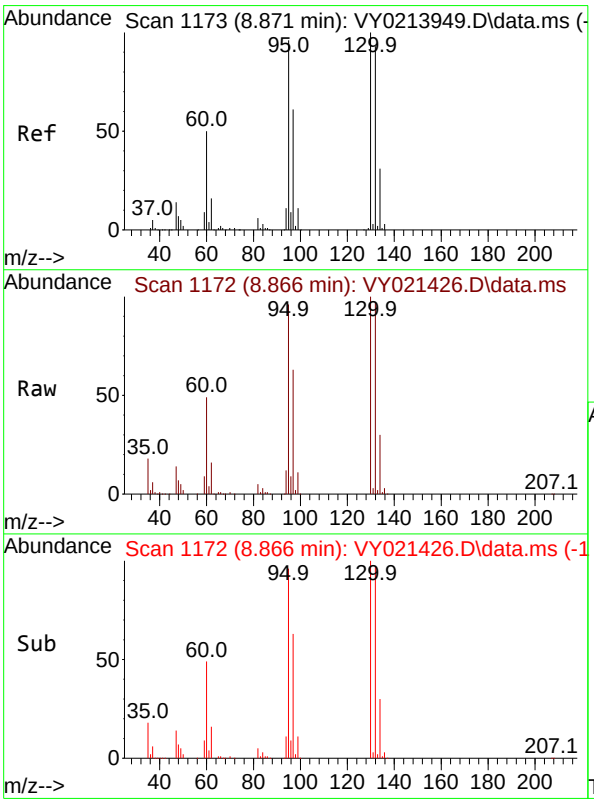
Ion	Ratio	Lower	Upper
43	100		
61	19.2	23.4	35.0#
87	12.8	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

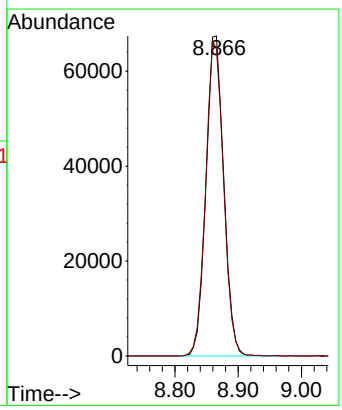


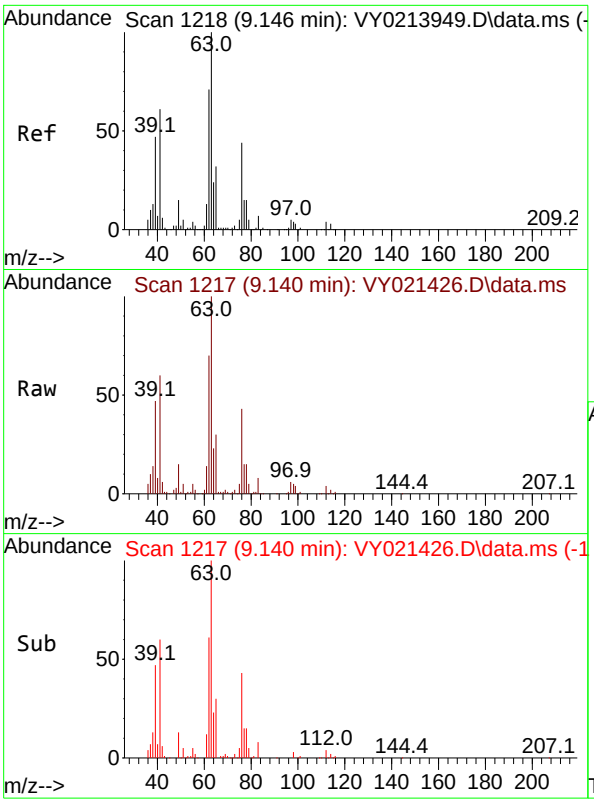


#44
Trichloroethene
Concen: 49.358 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:130 Resp: 131758

Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	191.6





#45
1,2-Dichloropropane
Concen: 51.738 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

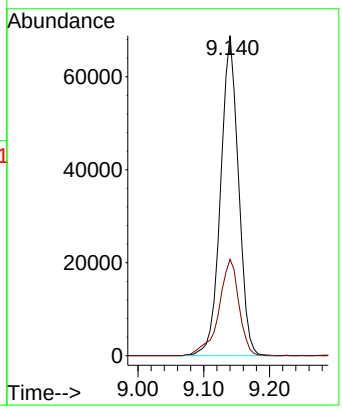
Tgt Ion: 63 Resp: 13007

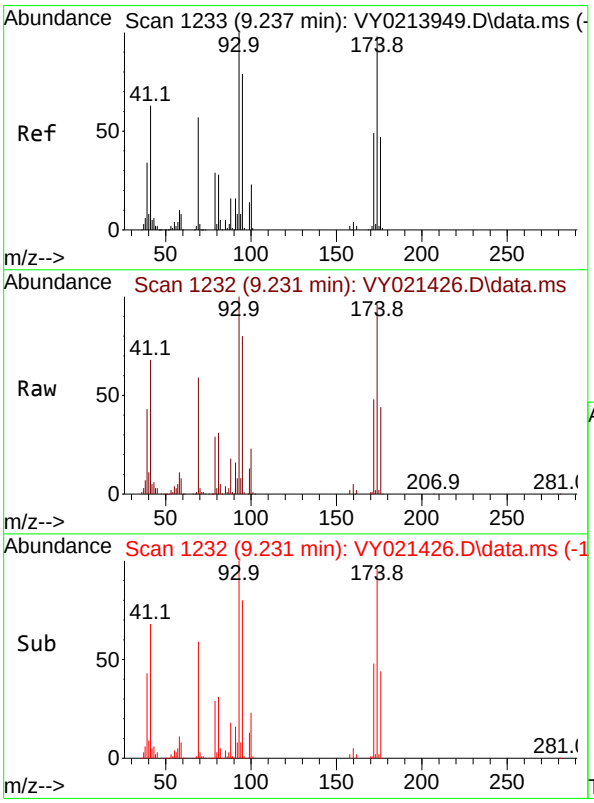
Ion	Ratio	Lower	Upper
63	100		
65	30.1	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

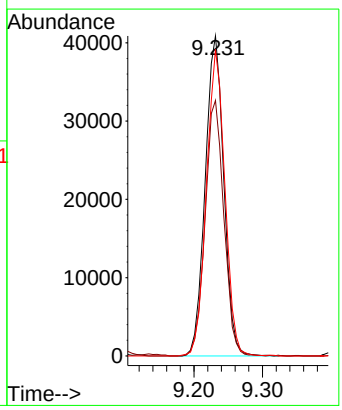


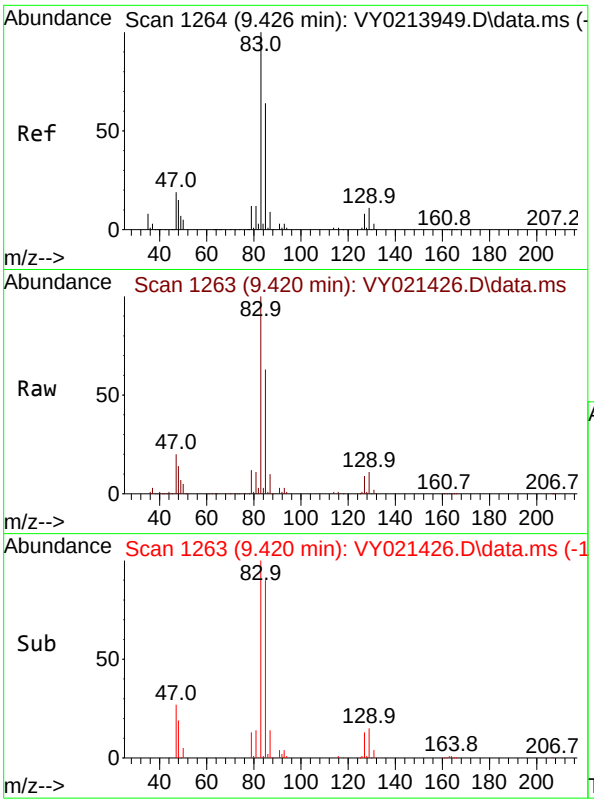


#46
Dibromomethane
Concen: 55.018 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 93 Resp: 76964

Ion	Ratio	Lower	Upper
93	100		
95	80.5	65.8	98.8
174	95.1	77.9	116.9

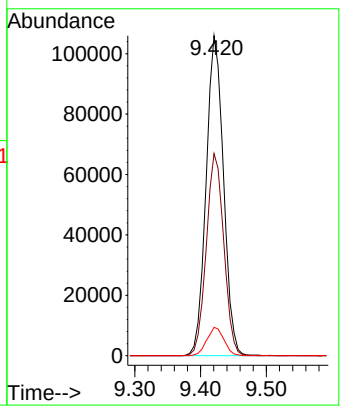




#47
Bromodichloromethane
Concen: 52.398 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 83 Resp: 19466

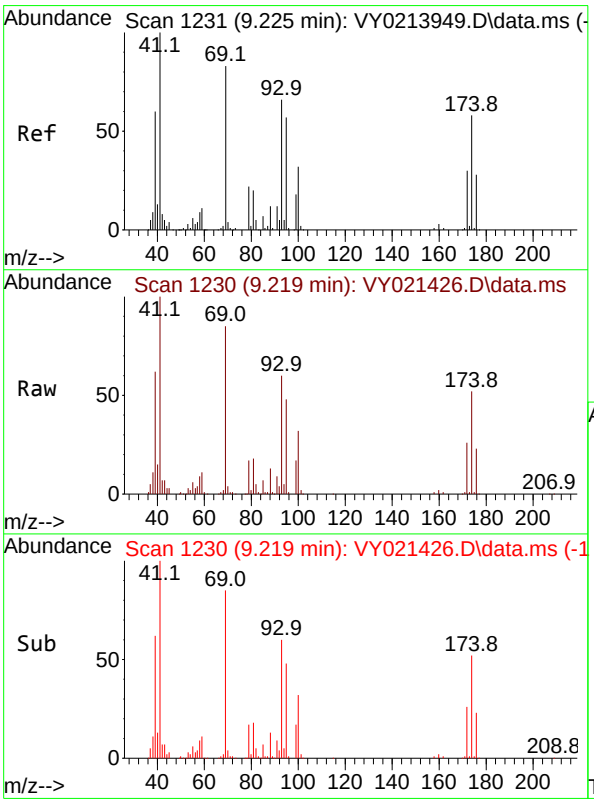
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	8.9	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

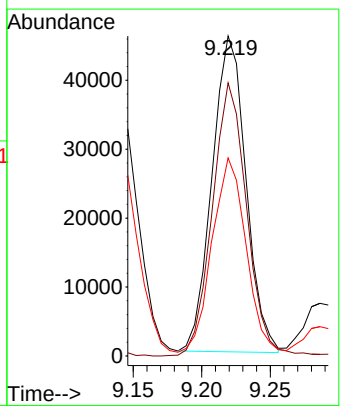
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

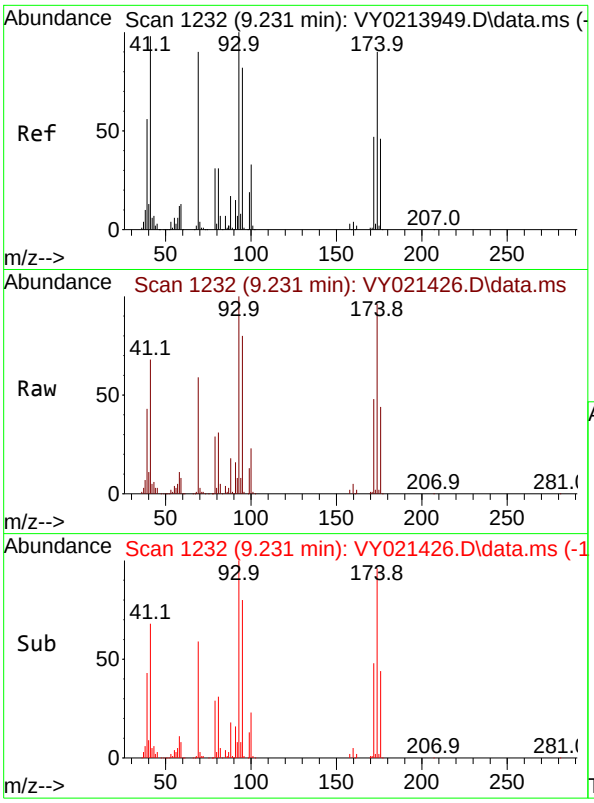


#48
Methyl methacrylate
Concen: 55.808 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 41 Resp: 78849

Ion	Ratio	Lower	Upper
41	100		
69	88.1	67.8	101.8
39	61.6	46.4	69.6





#49
1,4-Dioxane
Concen: 1278.089 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

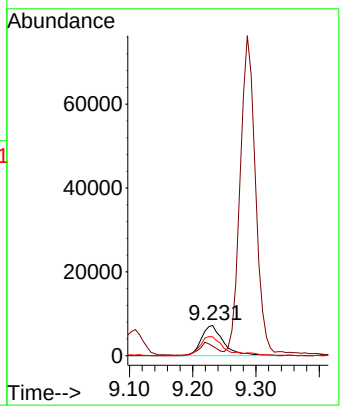
Tgt Ion: 88 Resp: 1754

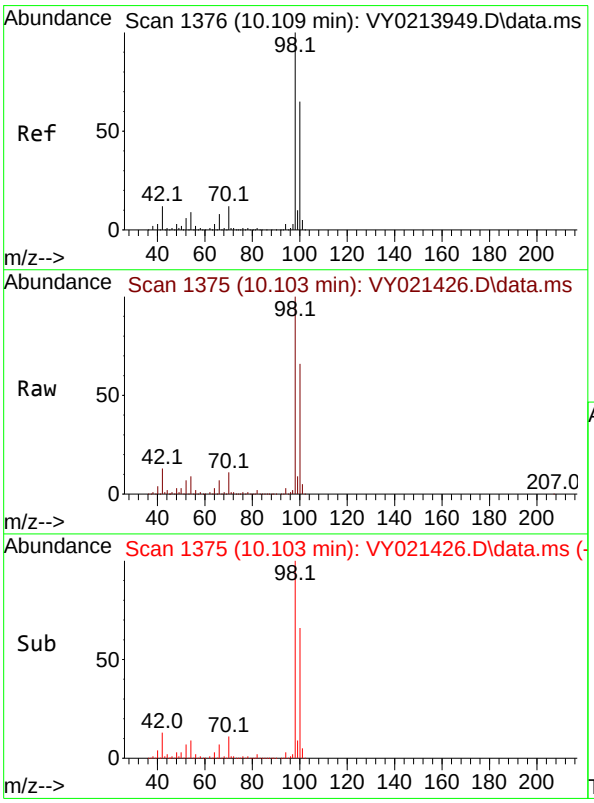
Ion	Ratio	Lower	Upper
88	100		
43	31.5	25.0	37.4
58	71.9	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

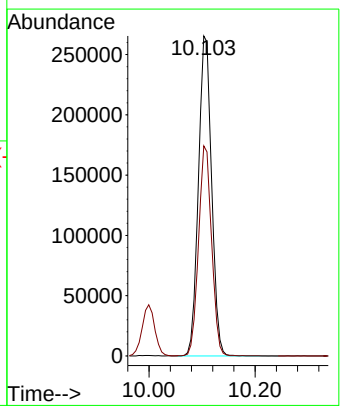


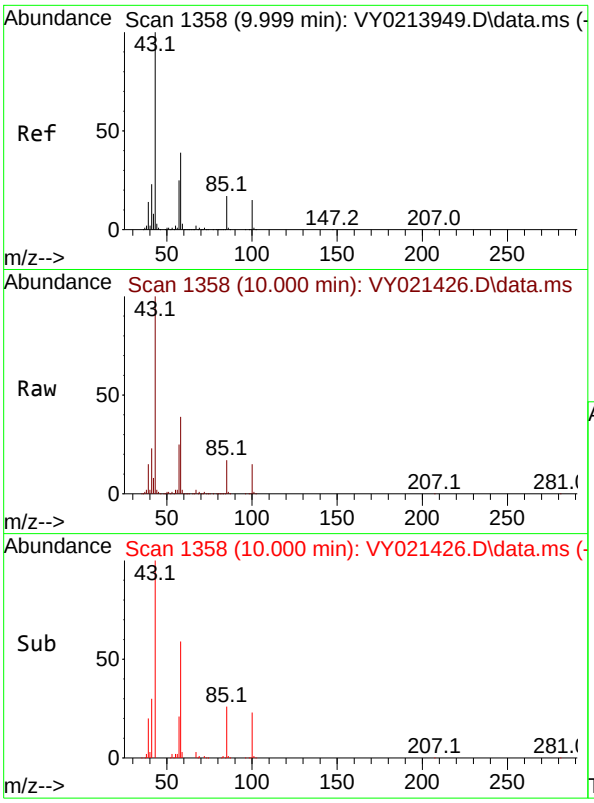


#50
Toluene-d8
Concen: 52.629 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 98 Resp: 456517

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 292.531 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

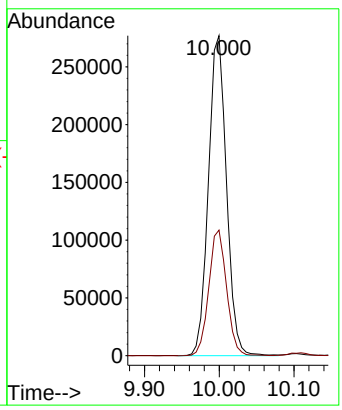
Tgt Ion: 43 Resp: 46440

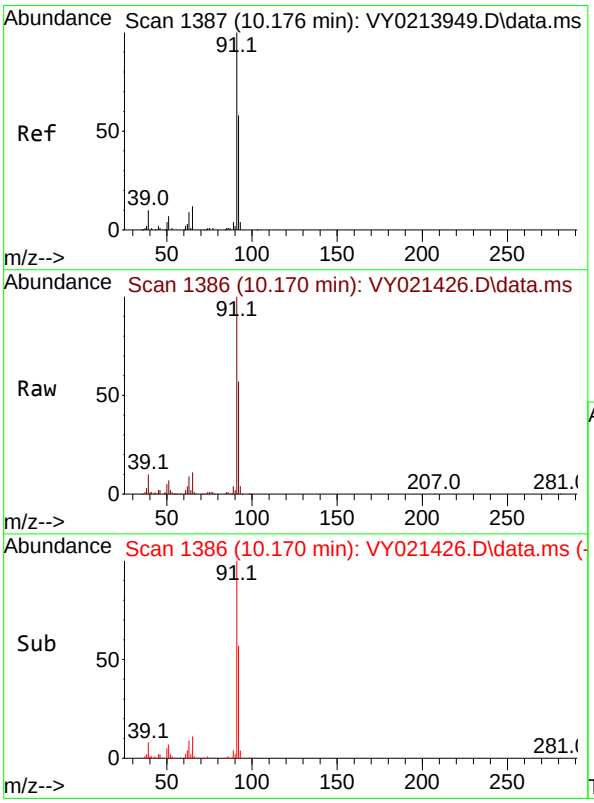
Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

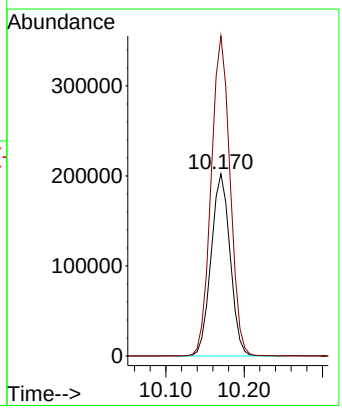


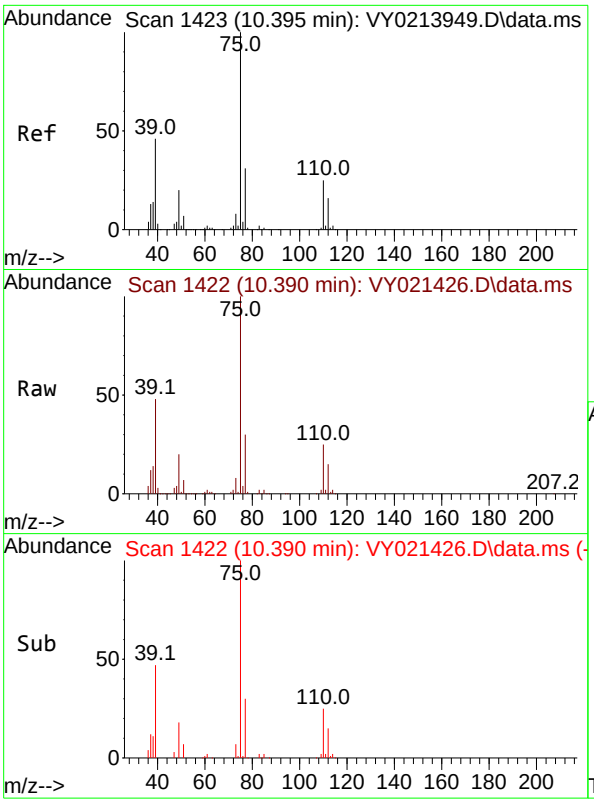


#52
Toluene
Concen: 51.010 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 92 Resp: 339723

Ion	Ratio	Lower	Upper
92	100		
91	175.8	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 54.523 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

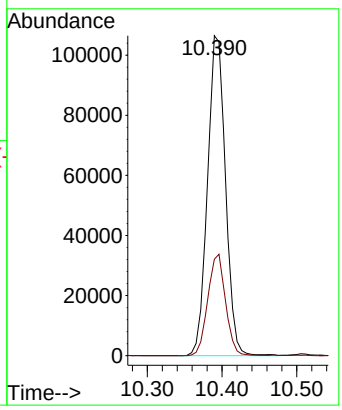
Tgt Ion: 75 Resp: 17845

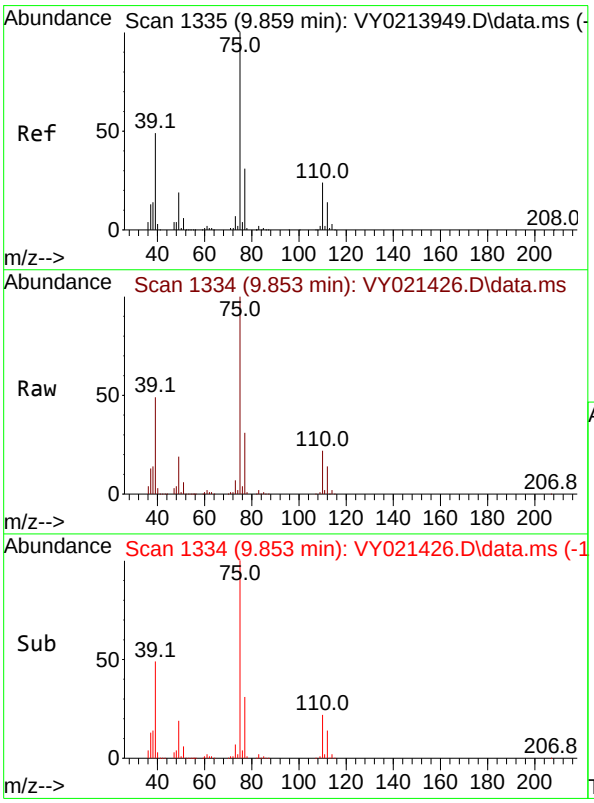
Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

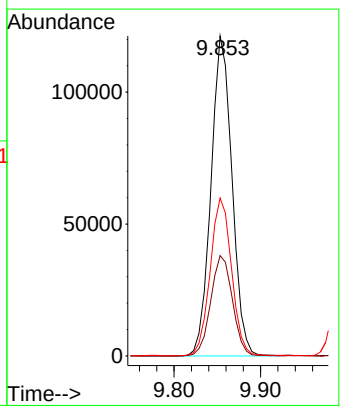


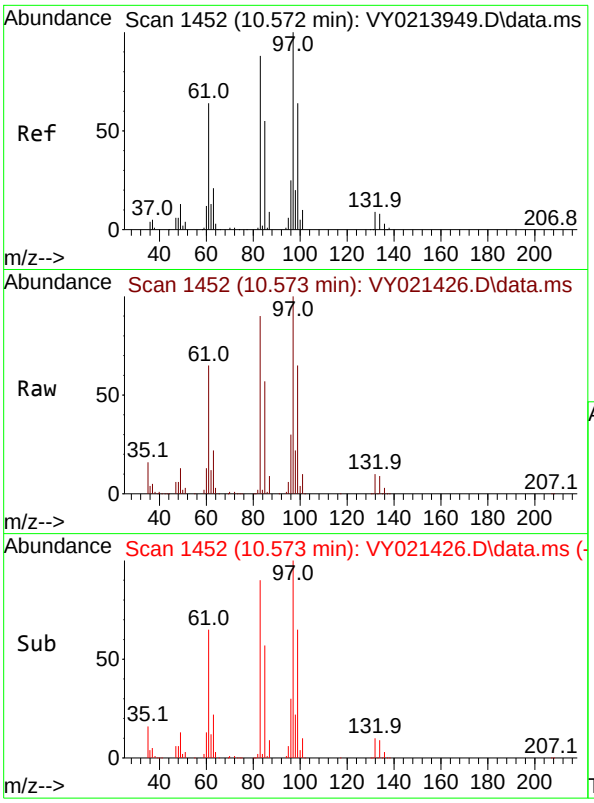


#54
cis-1,3-Dichloropropene
Concen: 52.641 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 75 Resp: 204560

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	37.0
39	49.3	39.4	59.2

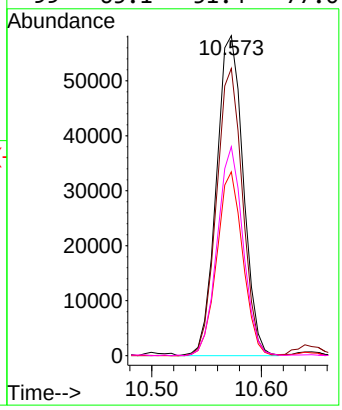




#55
1,1,2-Trichloroethane
Concen: 54.258 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 97 Resp: 9928

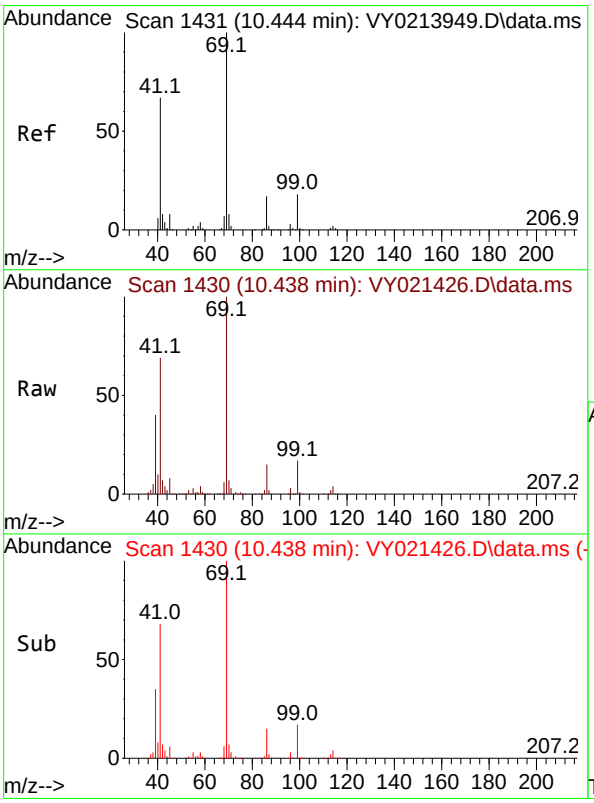
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.0	105.0
85	57.5	44.3	66.5
99	65.1	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

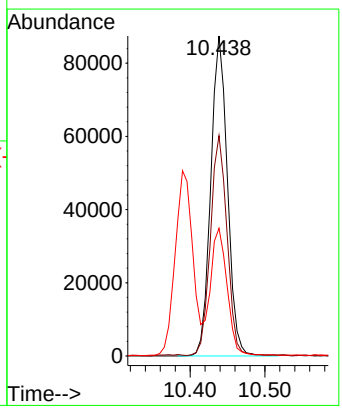
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

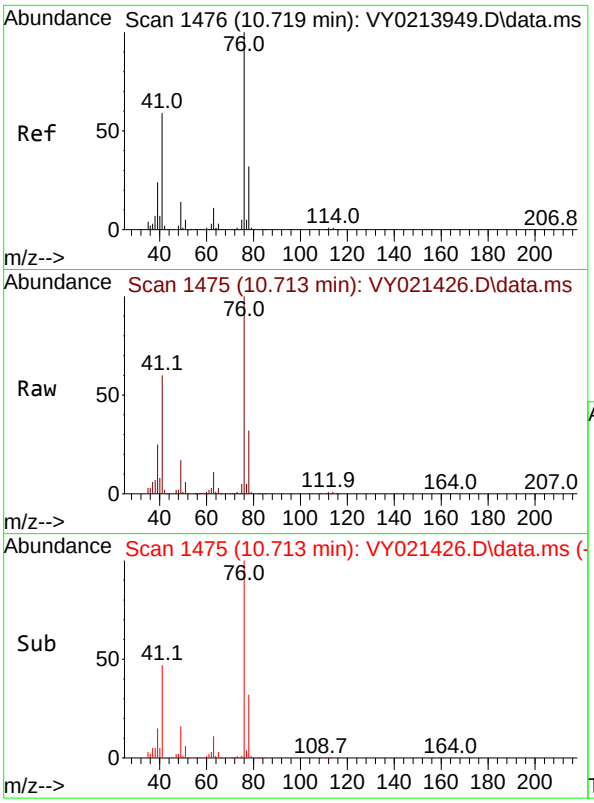


#56
Ethyl methacrylate
Concen: 57.967 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 69 Resp: 135282

Ion	Ratio	Lower	Upper
69	100		
41	68.5	53.3	79.9
39	40.2	31.0	46.6





#57
1,3-Dichloropropane
Concen: 54.296 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

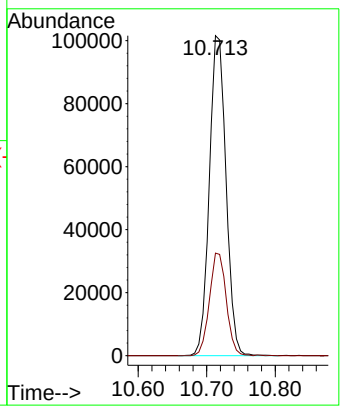
Tgt Ion: 76 Resp: 17220

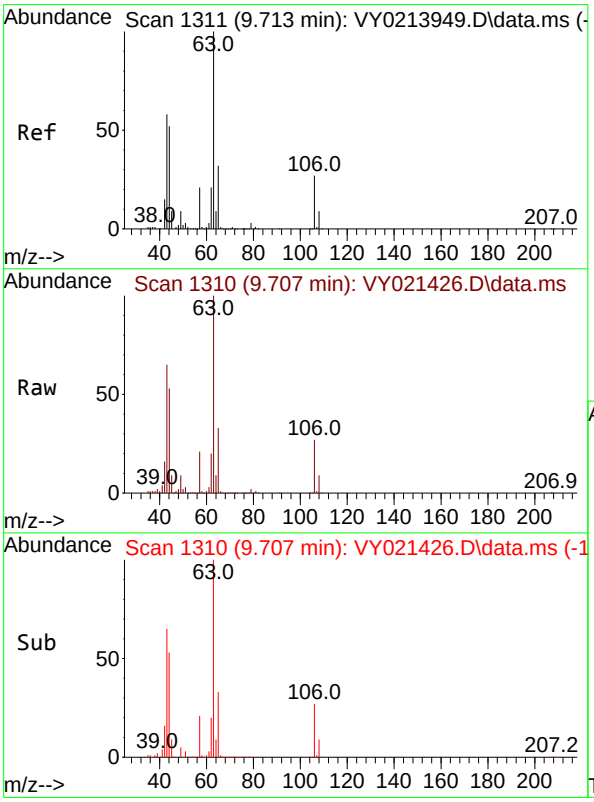
Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

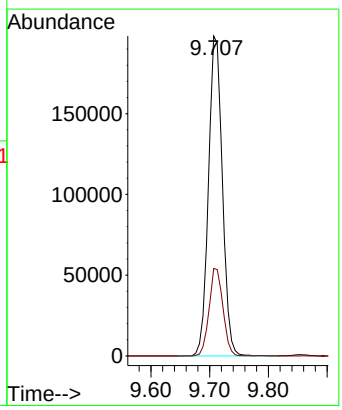


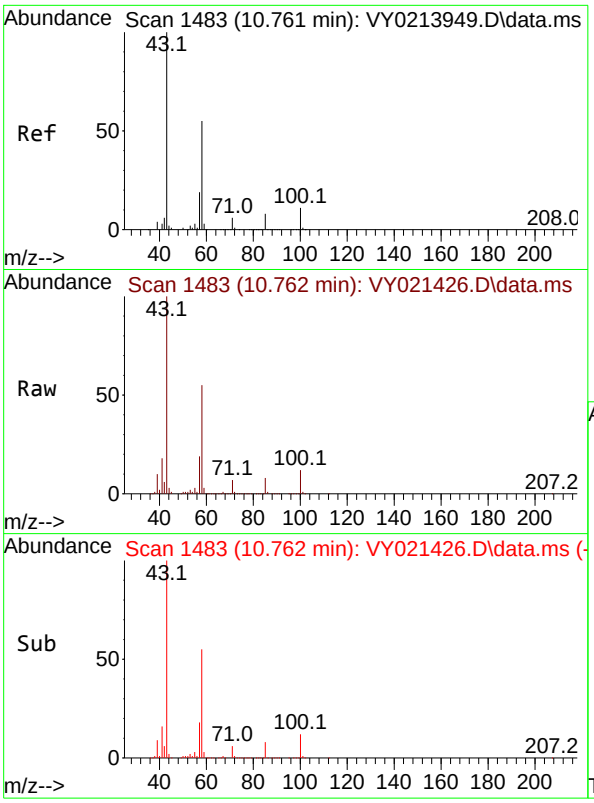


#58
2-Chloroethyl Vinyl ether
Concen: 302.700 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 63 Resp: 326106

Ion	Ratio	Lower	Upper
63	100		
106	27.2	22.1	33.1





#59
2-Hexanone
Concen: 298.994 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

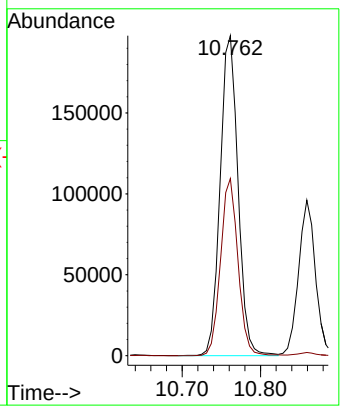
Tgt Ion: 43 Resp: 31386

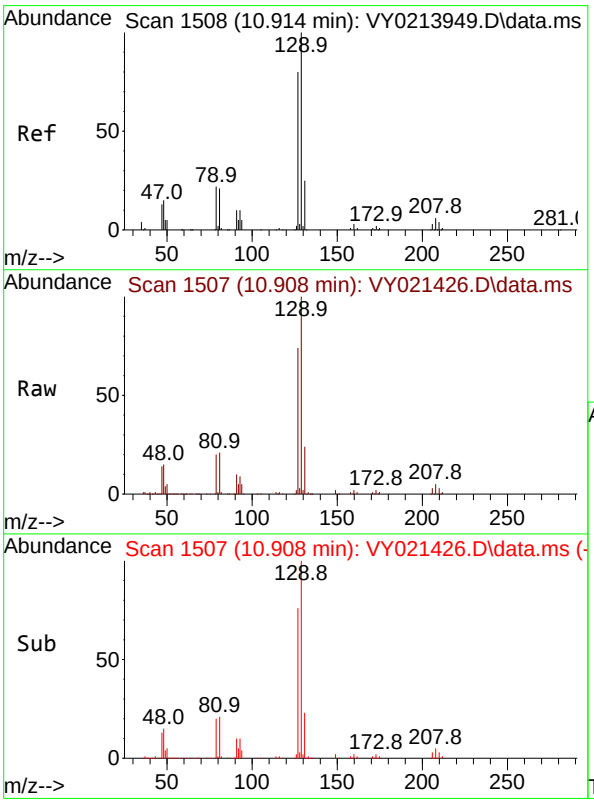
Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

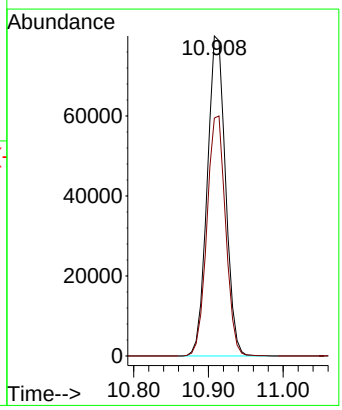


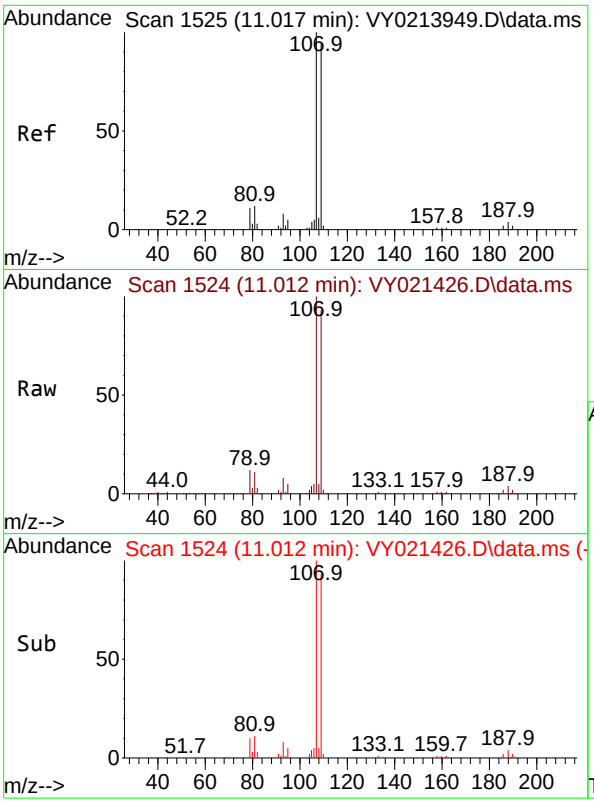


#60
Dibromochloromethane
Concen: 54.286 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:129 Resp: 136186

Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.1	117.3





#61
1,2-Dibromoethane
Concen: 54.483 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

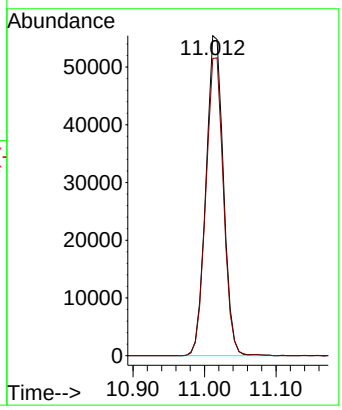
Tgt Ion:107 Resp: 9409

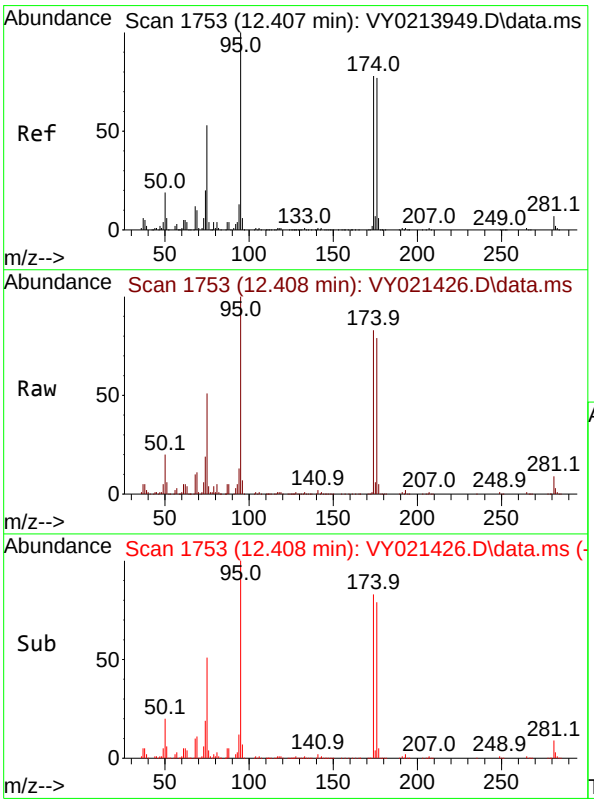
Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

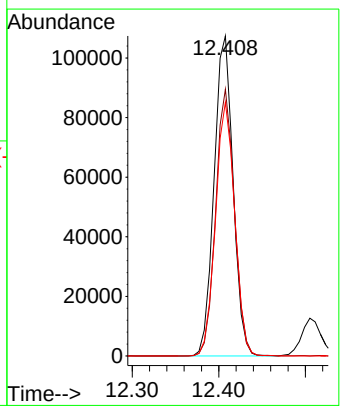


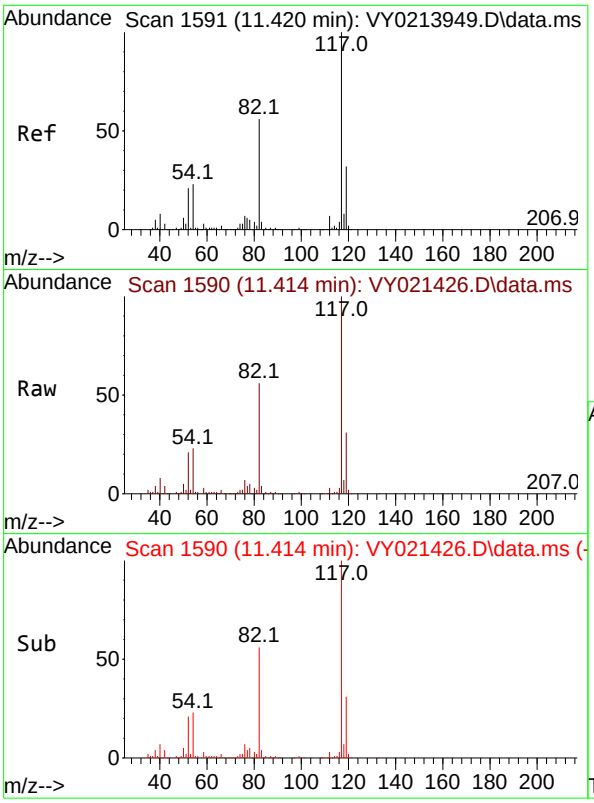


#62
4-Bromofluorobenzene
Concen: 55.397 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 95 Resp: 163454

Ion	Ratio	Lower	Upper
95	100		
174	82.4	0.0	165.0
176	80.0	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

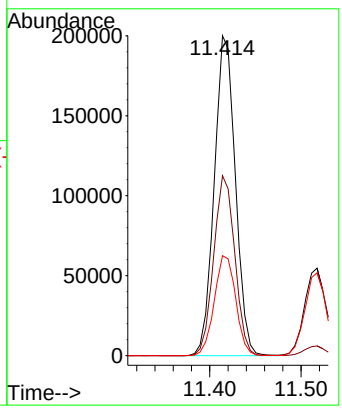
Tgt Ion:117 Resp: 32142

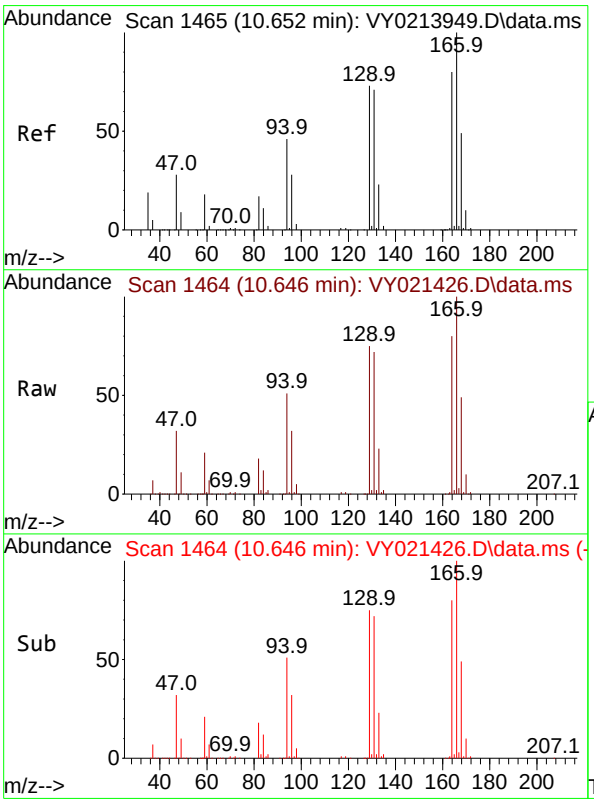
Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.6	67.0
119	31.2	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

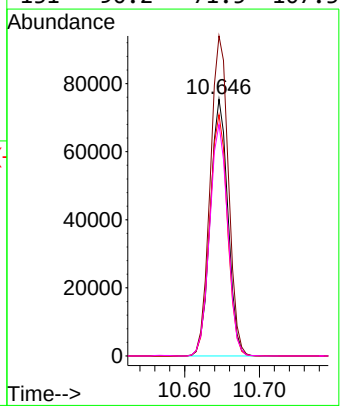


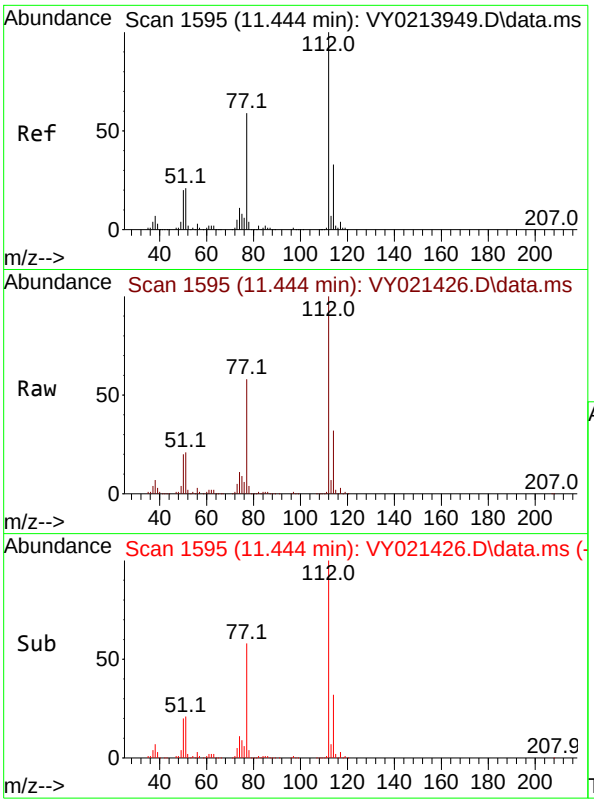


#64
Tetrachloroethene
Concen: 47.271 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:164 Resp: 123553

Ion	Ratio	Lower	Upper
164	100		
166	124.6	100.4	150.6
129	94.0	73.8	110.8
131	90.2	71.5	107.3





#65
Chlorobenzene
Concen: 49.139 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

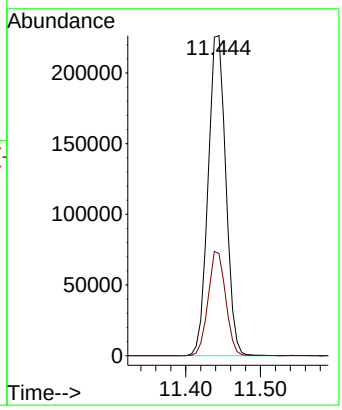
Tgt Ion:112 Resp: 37297

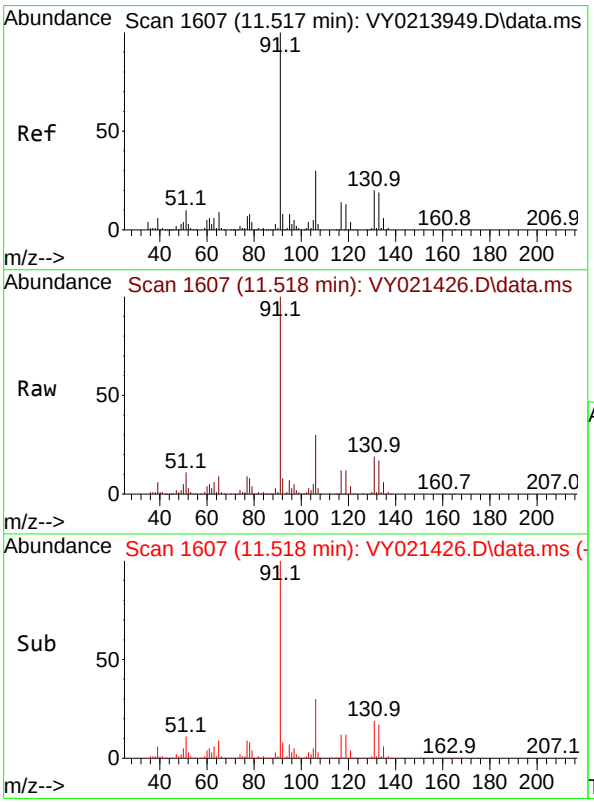
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

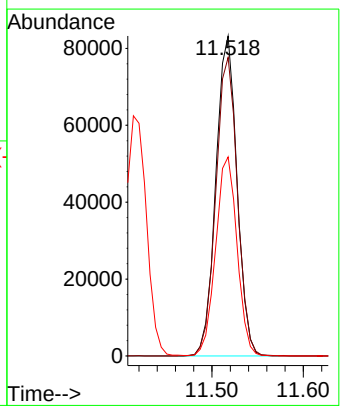


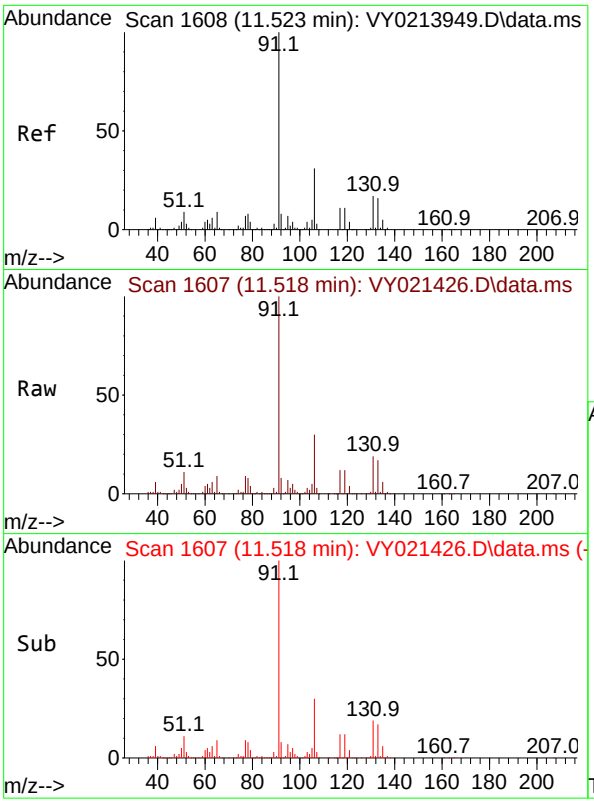


#66
1,1,1,2-Tetrachloroethane
Concen: 49.836 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:131 Resp: 133738

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.6	142.9
119	63.1	32.3	96.9





#67
Ethyl Benzene
Concen: 49.791 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

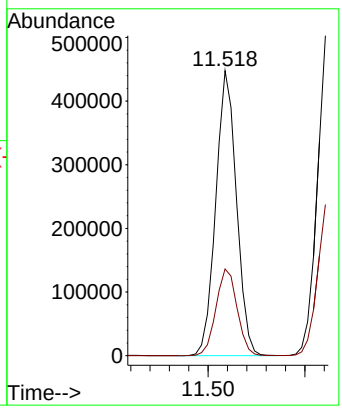
Tgt Ion: 91 Resp: 66334

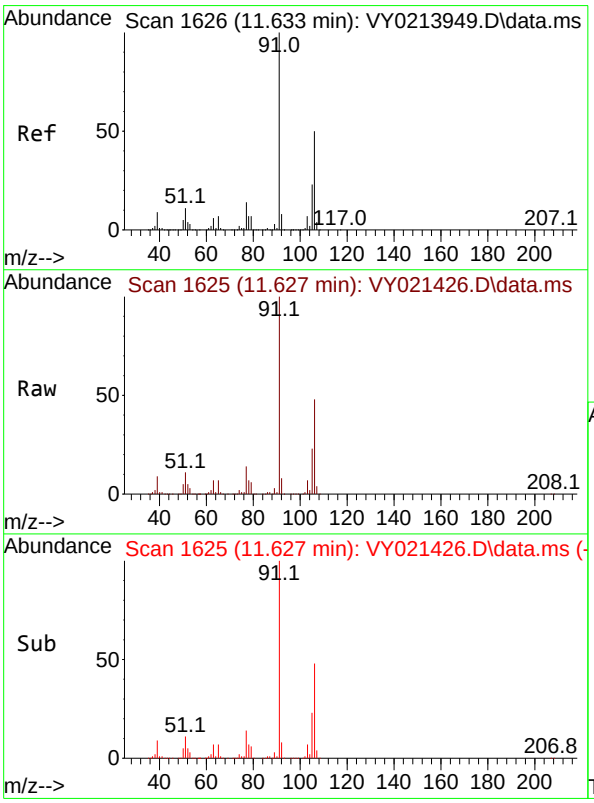
Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

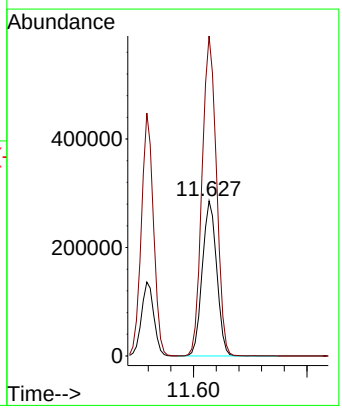


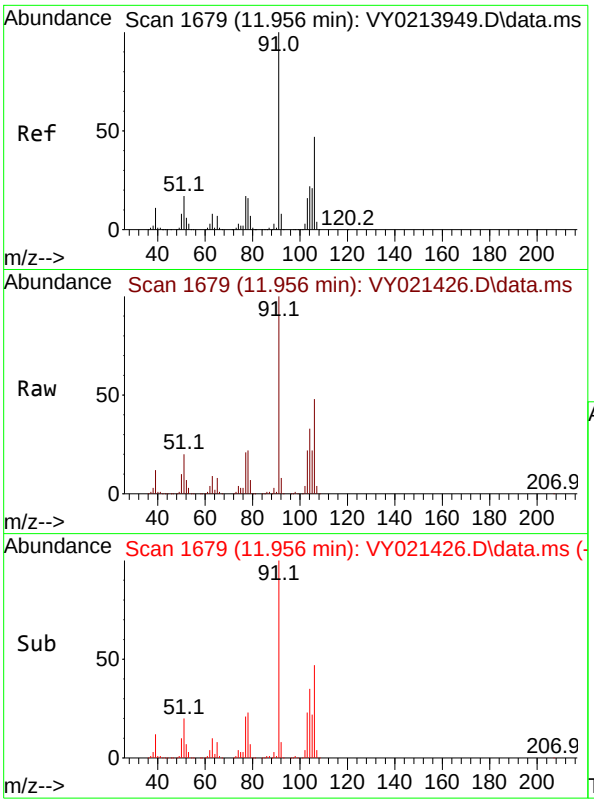


#68
m/p-Xylenes
Concen: 99.700 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:106 Resp: 504274

Ion	Ratio	Lower	Upper
106	100		
91	205.9	161.7	242.5





#69
o-Xylene
Concen: 50.512 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

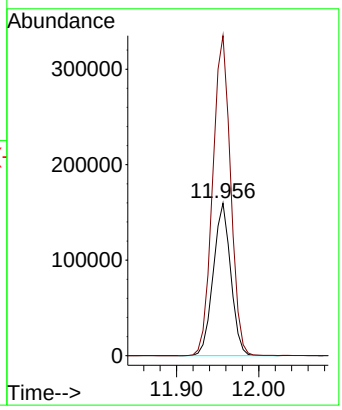
Tgt Ion:106 Resp: 23546

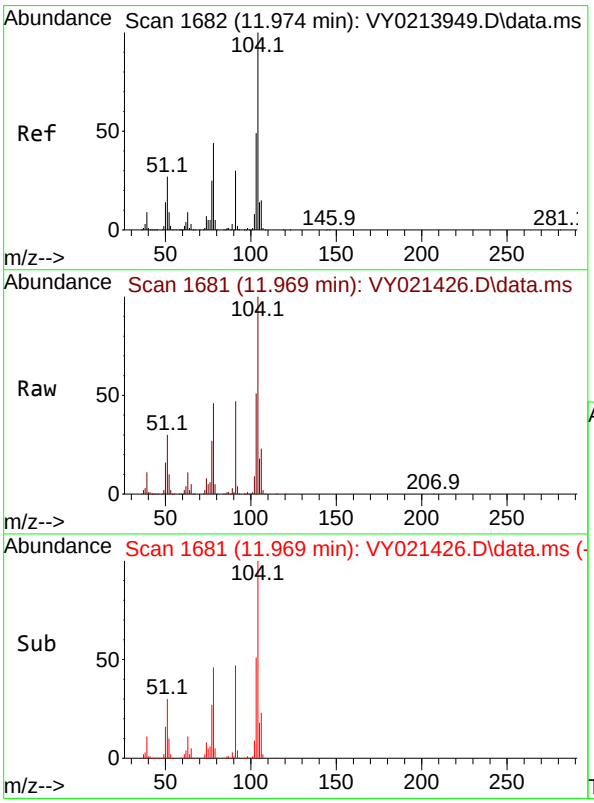
Ion	Ratio	Lower	Upper
106	100		
91	215.0	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

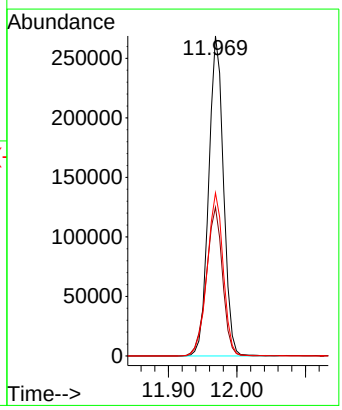


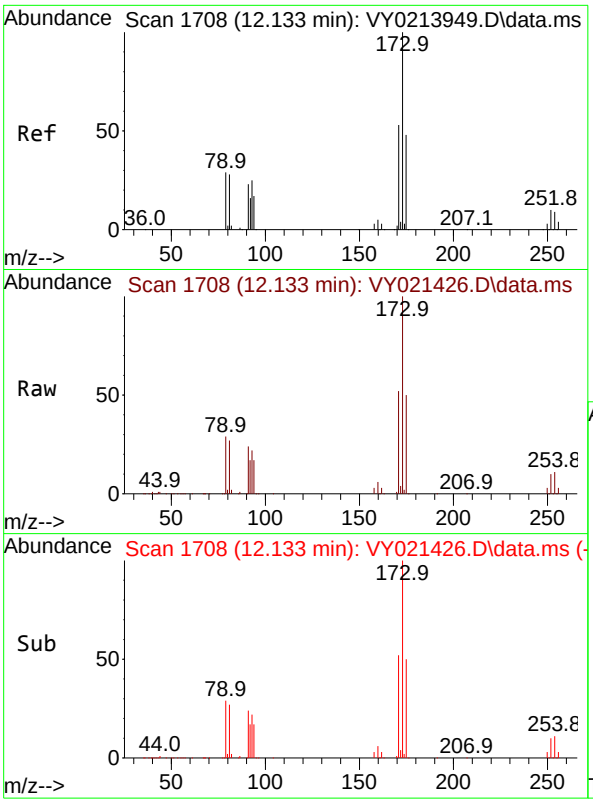


#70
Styrene
Concen: 52.337 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:104 Resp: 404739

Ion	Ratio	Lower	Upper
104	100		
78	50.8	40.7	61.1
103	55.2	44.1	66.1

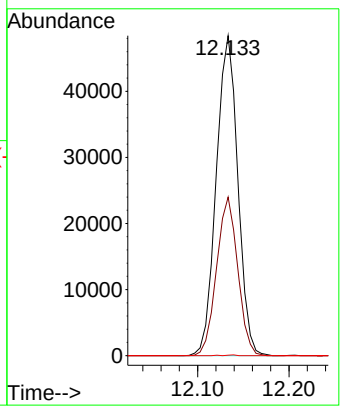




#71
Bromoform
Concen: 52.982 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:173 Resp: 7948

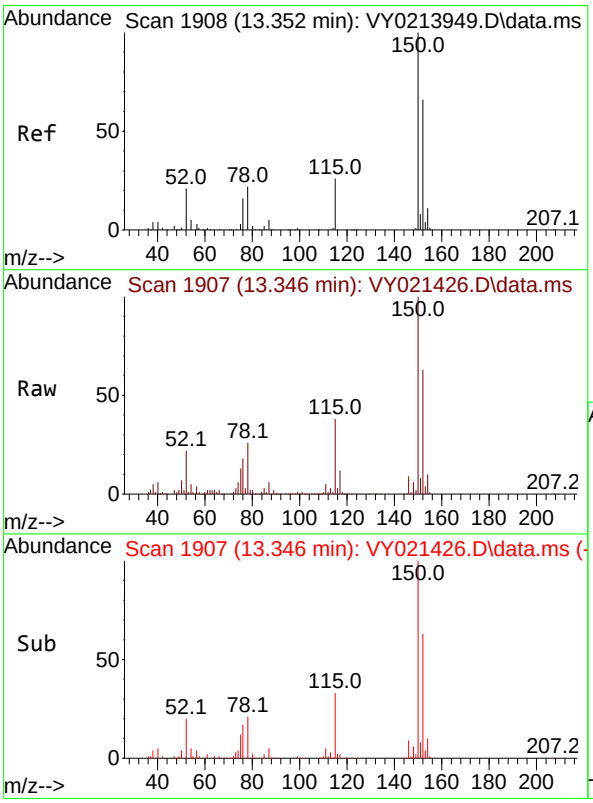
Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.9	71.7
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

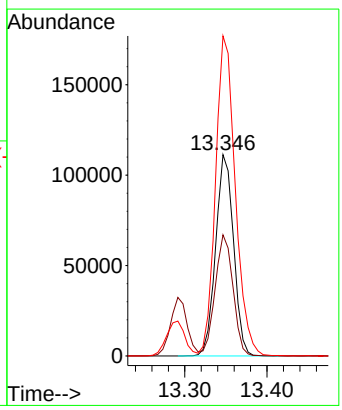
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

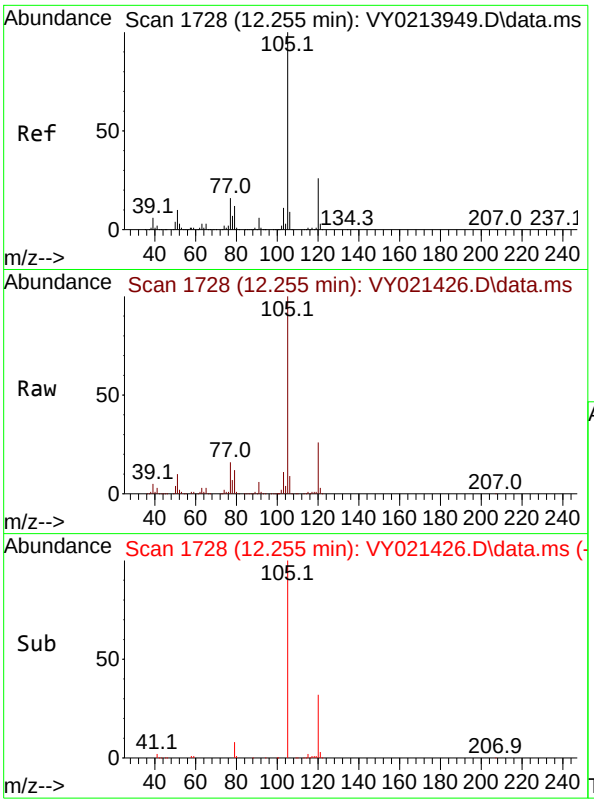


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:152 Resp: 168733

Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.0	87.0
150	175.2	0.0	347.2





#73
Isopropylbenzene
Concen: 46.741 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

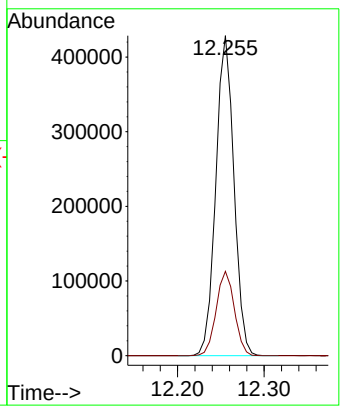
Tgt Ion:105 Resp: 62126

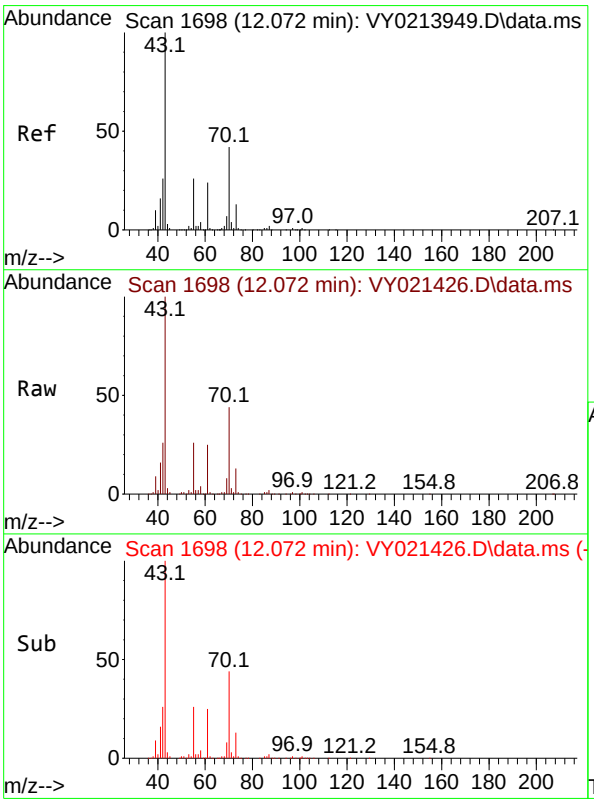
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

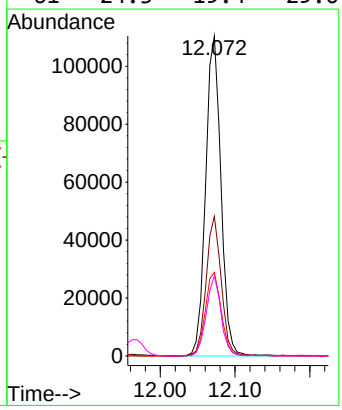


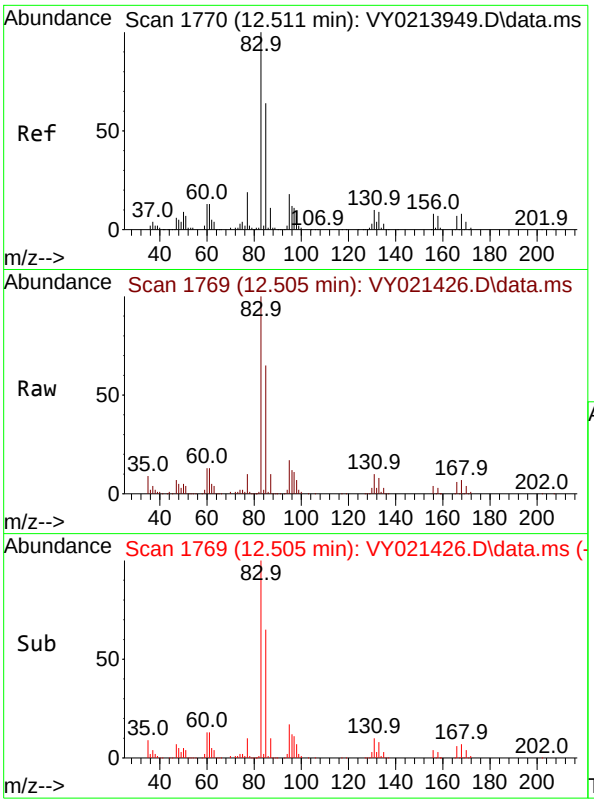


#74
N-amyl acetate
Concen: 54.396 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 43 Resp: 157019

Ion	Ratio	Lower	Upper
43	100		
70	43.0	34.6	51.8
55	27.5	21.1	31.7
61	24.3	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 49.905 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

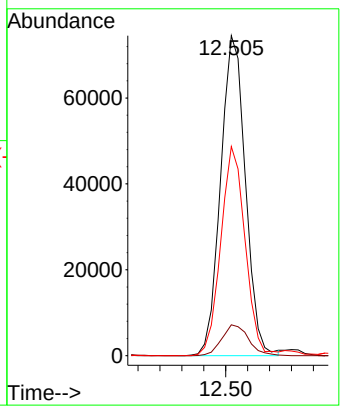
Tgt Ion: 83 Resp: 11705

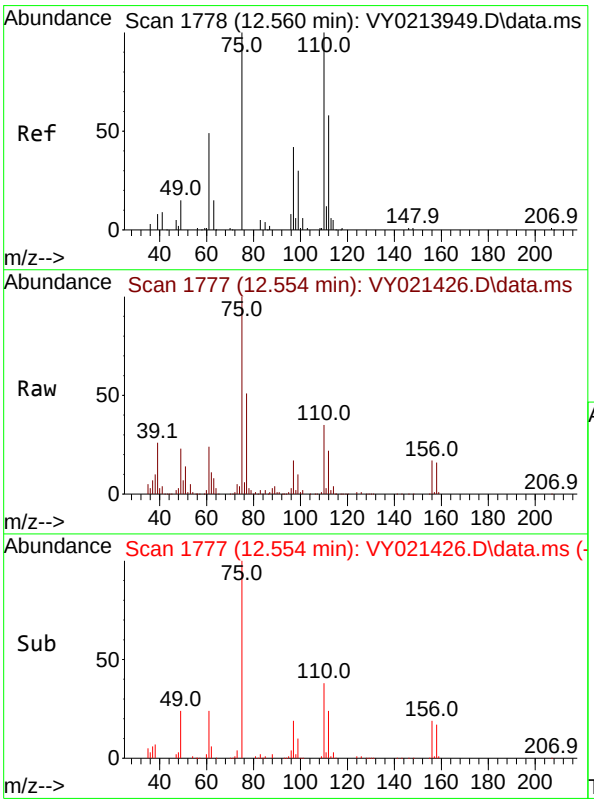
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	16.1
85	64.1	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

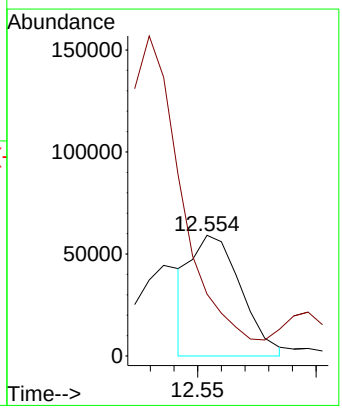


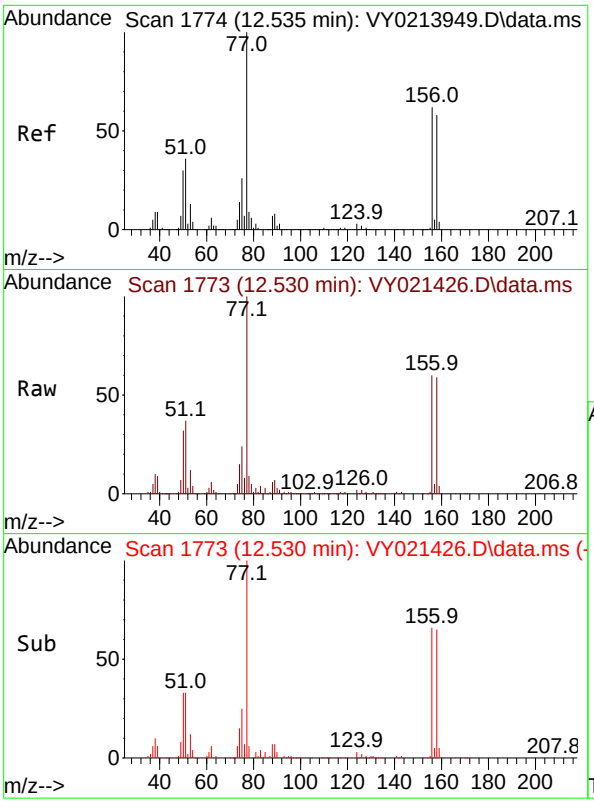


#76
1,2,3-Trichloropropane
Concen: 50.955 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 75 Resp: 86639

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 47.159 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

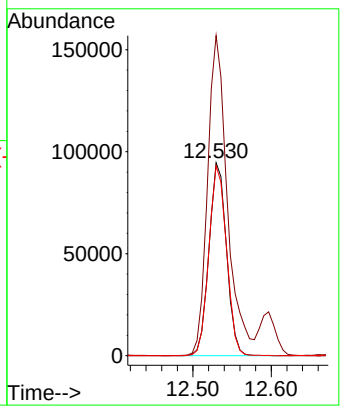
Tgt Ion:156 Resp: 14664

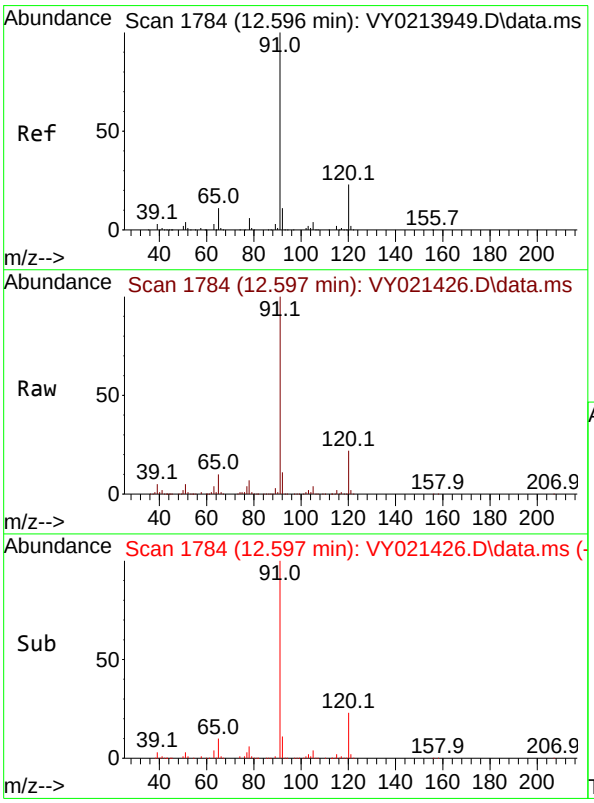
Ion	Ratio	Lower	Upper
156	100		
77	188.3	93.6	280.8
158	99.3	48.3	144.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

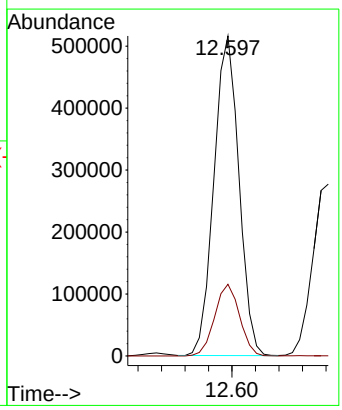


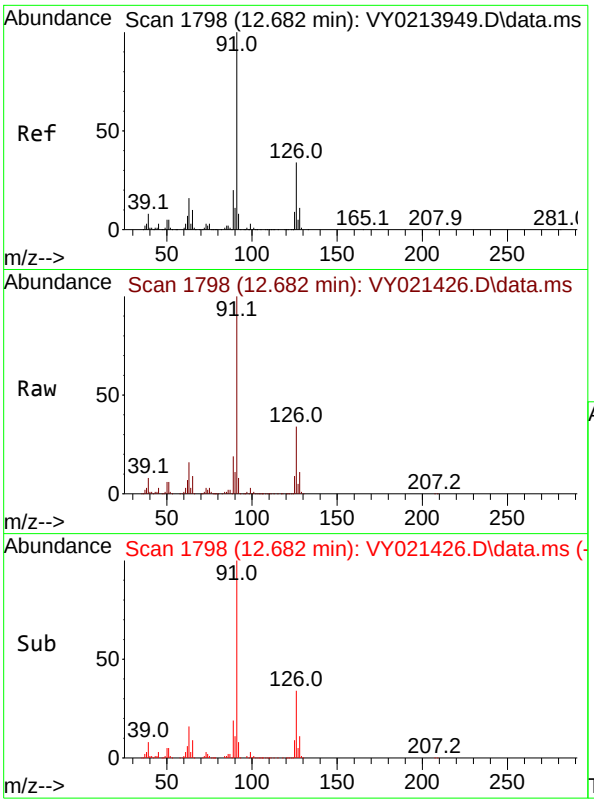


#78
n-propylbenzene
Concen: 47.185 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 91 Resp: 761668

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.8





#79
2-Chlorotoluene
Concen: 47.022 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

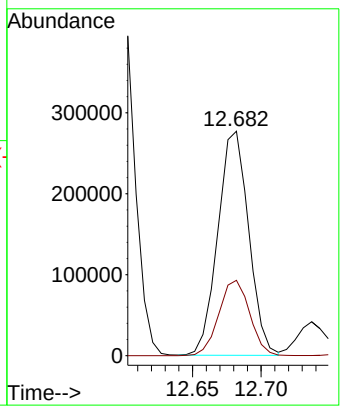
Tgt Ion: 91 Resp: 43401

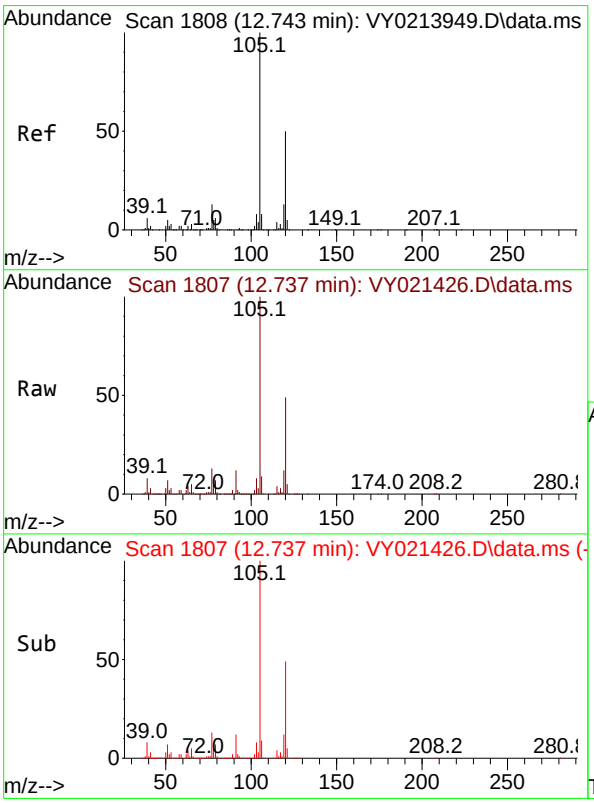
Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

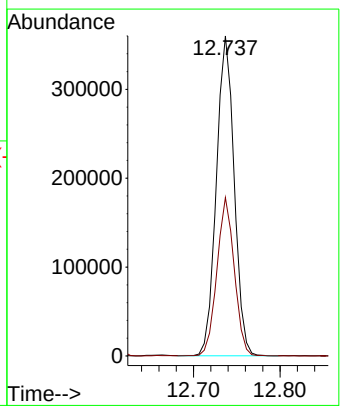


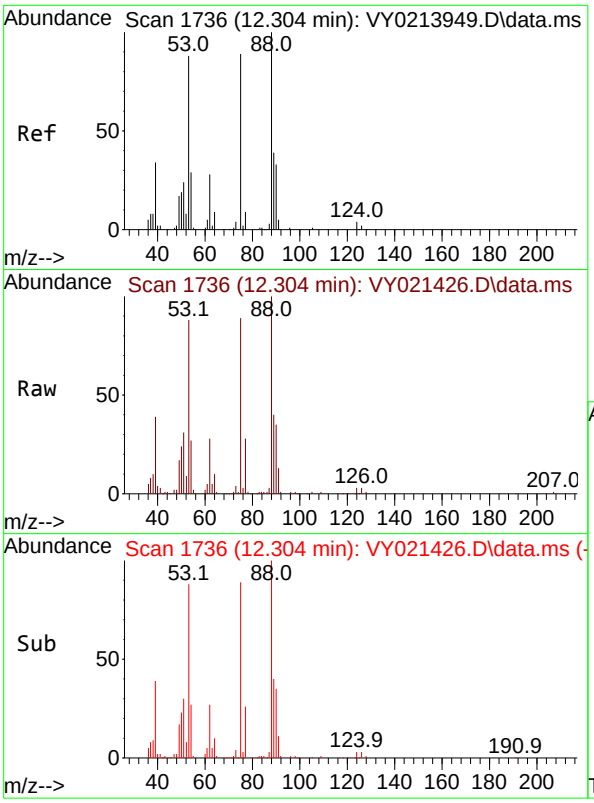


#80
1,3,5-Trimethylbenzene
Concen: 47.512 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:105 Resp: 513200

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 51.814 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

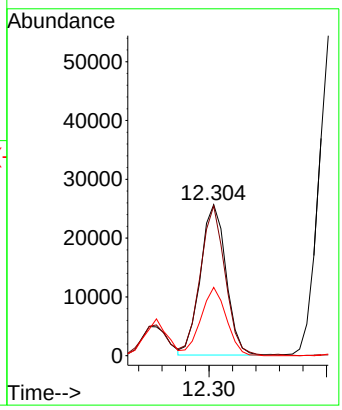
Tgt Ion: 75 Resp: 3875

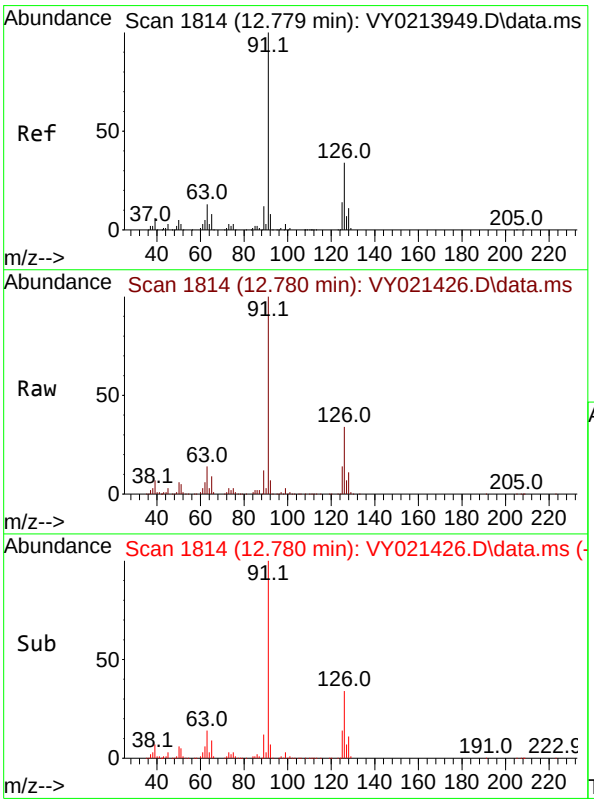
Ion	Ratio	Lower	Upper
75	100		
53	95.9	81.0	121.4
89	45.6	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

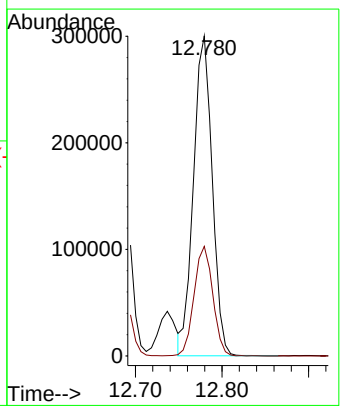


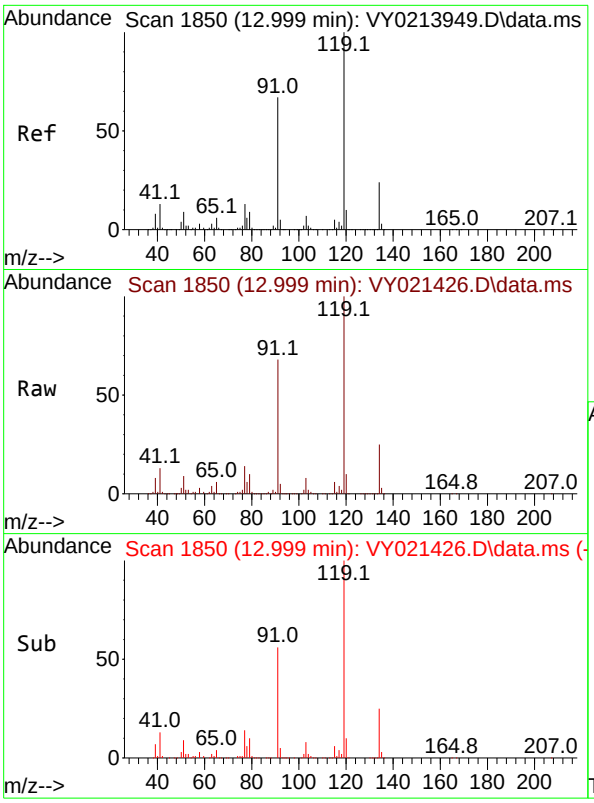


#82
4-Chlorotoluene
Concen: 47.230 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 91 Resp: 451424

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	51.0

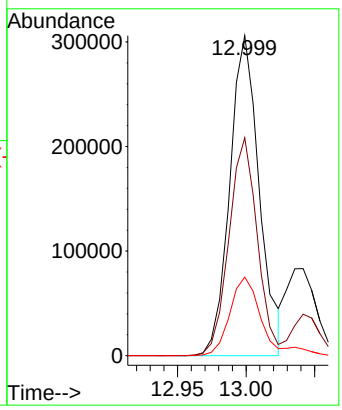




#83
tert-Butylbenzene
Concen: 47.613 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:119 Resp: 45880

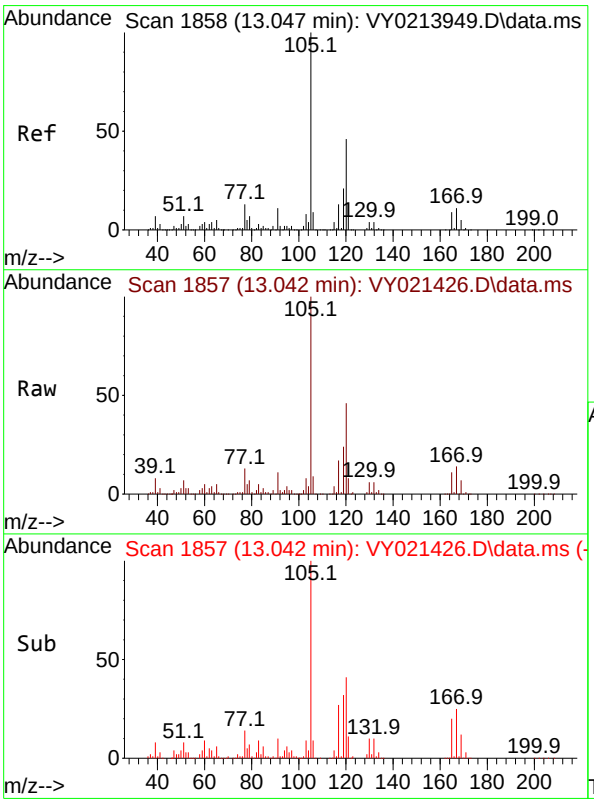
Ion	Ratio	Lower	Upper
119	100		
91	65.3	33.2	99.6
134	26.6	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

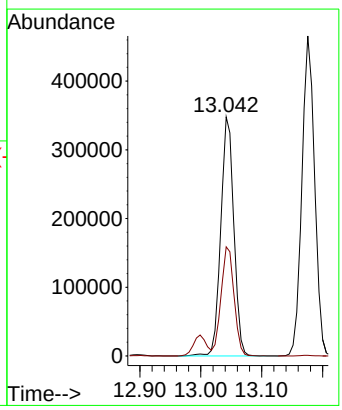
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

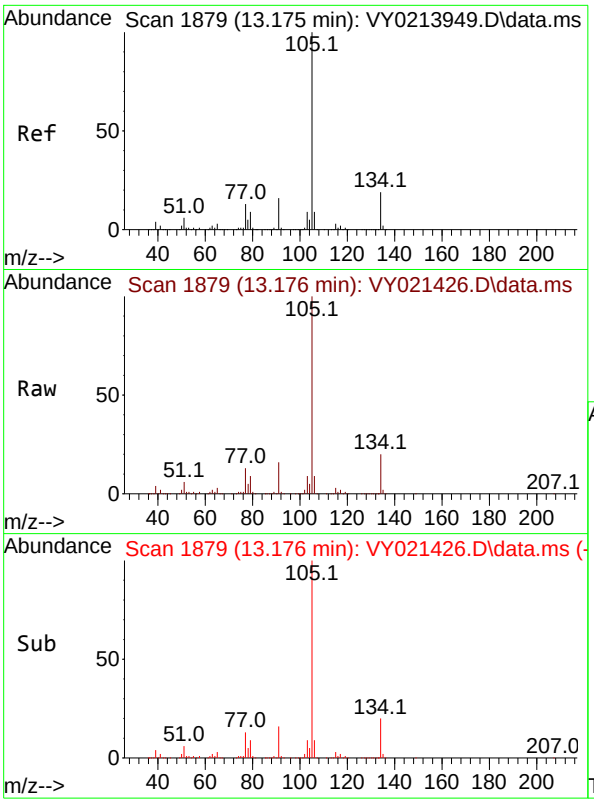


#84
1,2,4-Trimethylbenzene
Concen: 48.169 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:105 Resp: 516598

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1





#85
sec-Butylbenzene
Concen: 46.928 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

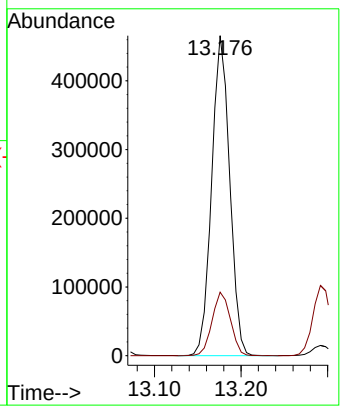
Tgt Ion:105 Resp: 67280

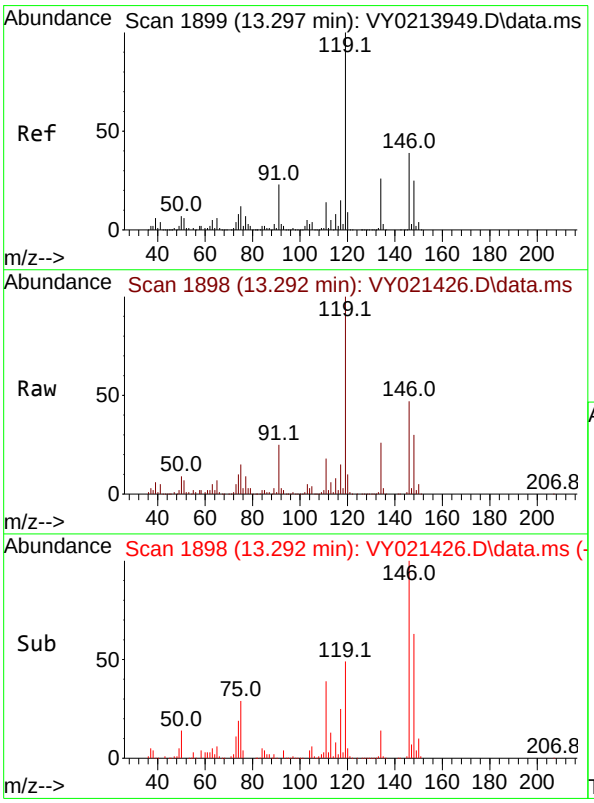
Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

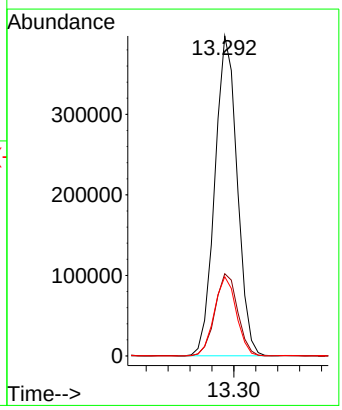


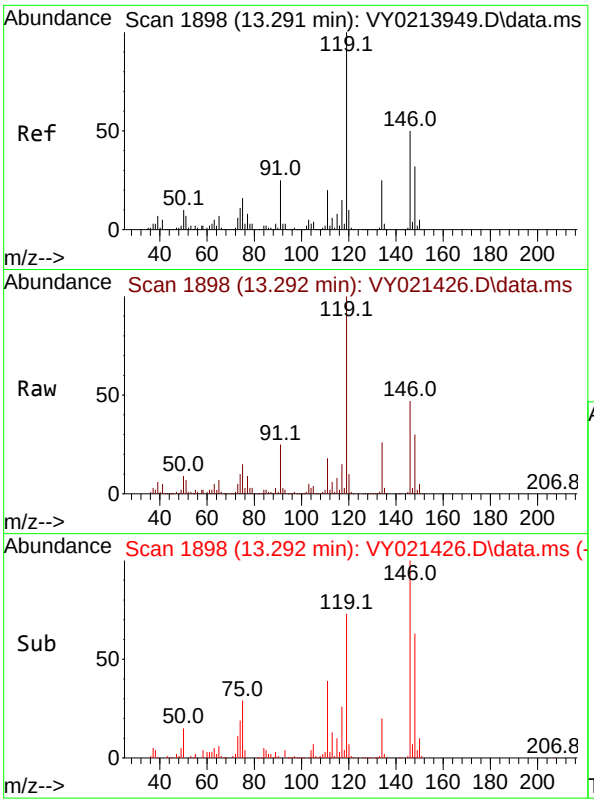


#86
p-Isopropyltoluene
Concen: 47.642 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:119 Resp: 562725

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	24.3	12.2	36.6

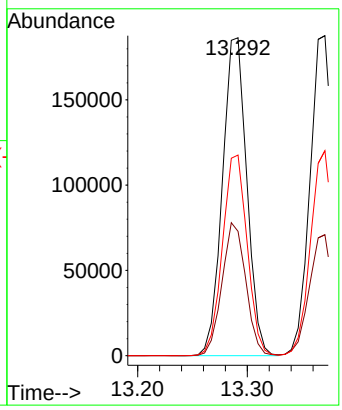




#87
1,3-Dichlorobenzene
Concen: 46.614 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:146 Resp: 28852

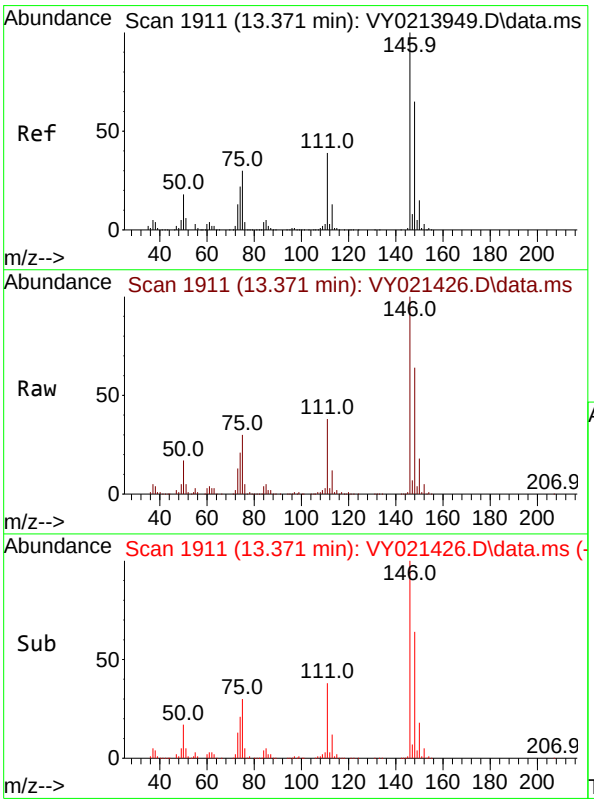
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	63.9	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

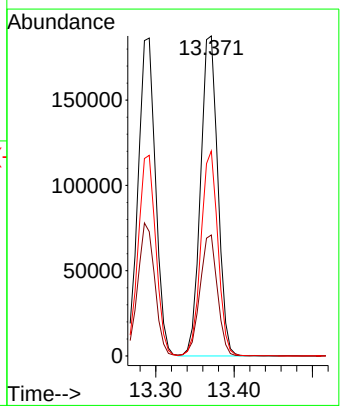
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

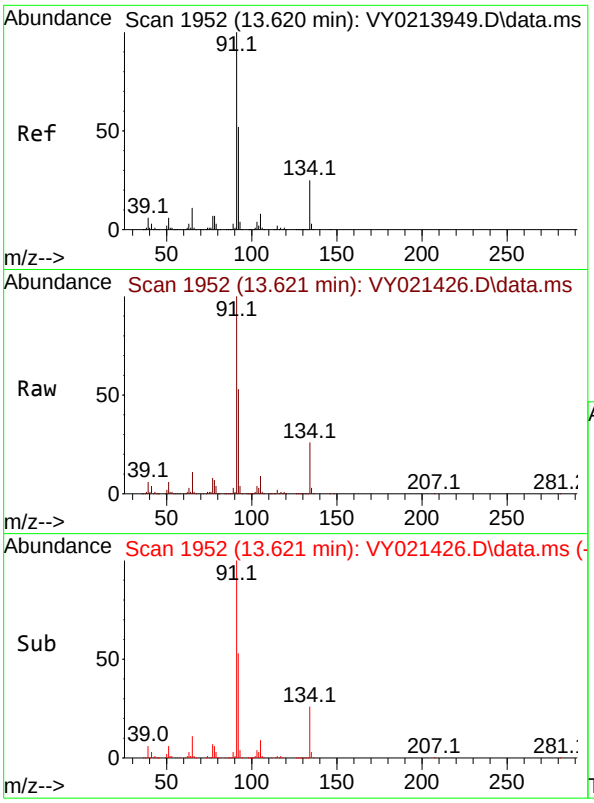


#88
1,4-Dichlorobenzene
Concen: 47.394 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:146 Resp: 286896

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.6	58.8
148	63.0	32.3	96.8

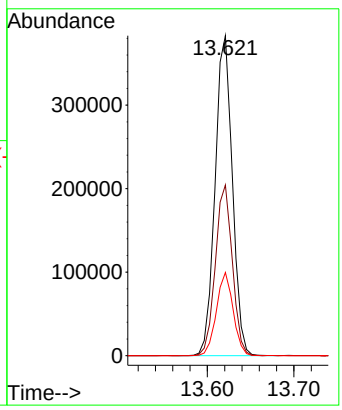




#89
n-Butylbenzene
Concen: 48.645 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 91 Resp: 53055

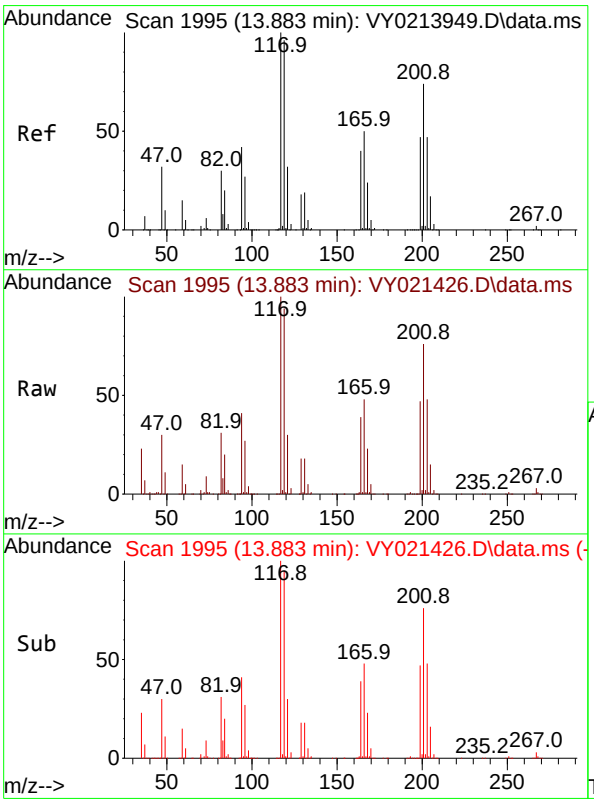
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.3
134	25.2	12.6	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

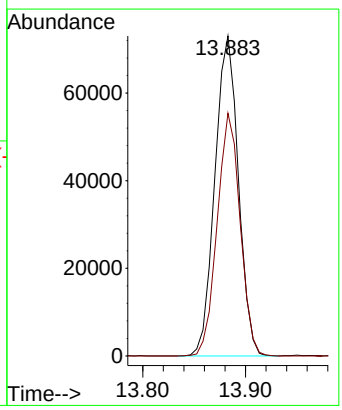
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

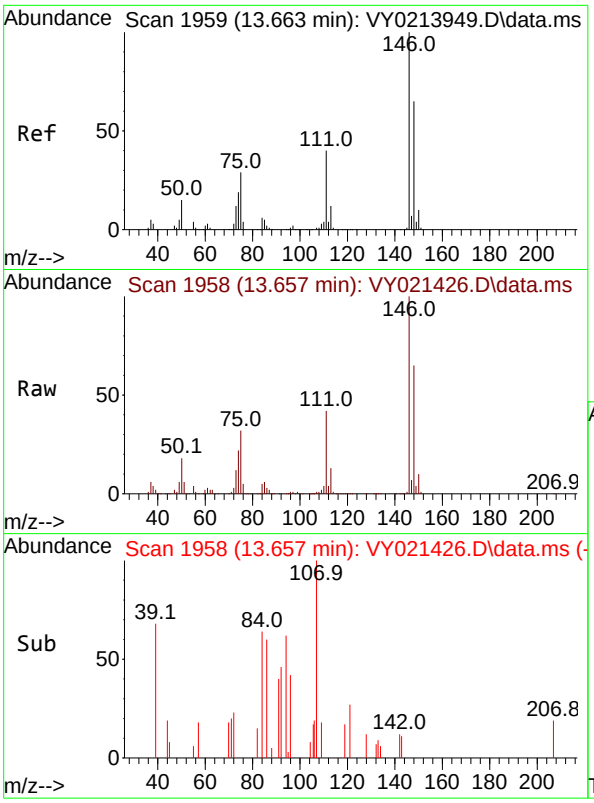


#90
Hexachloroethane
Concen: 45.929 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:117 Resp: 115729

Ion	Ratio	Lower	Upper
117	100		
201	74.1	37.4	112.2

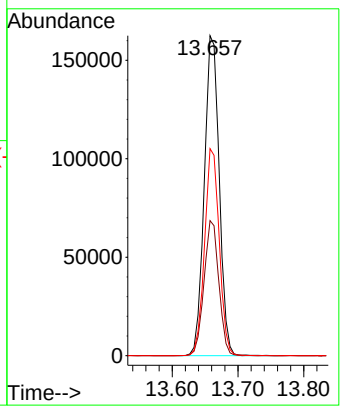




#91
1,2-Dichlorobenzene
Concen: 48.350 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:146 Resp: 25650

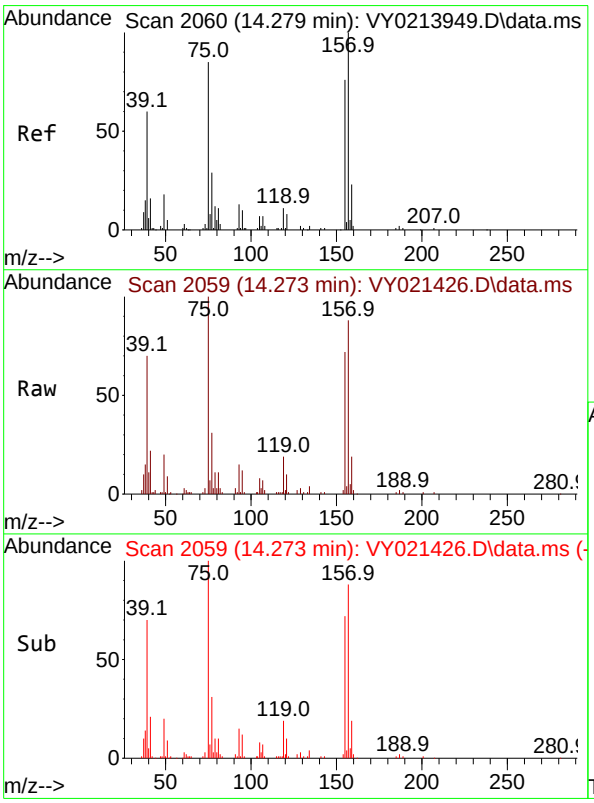
Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	63.6	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

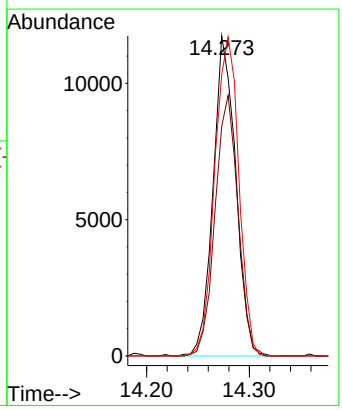
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

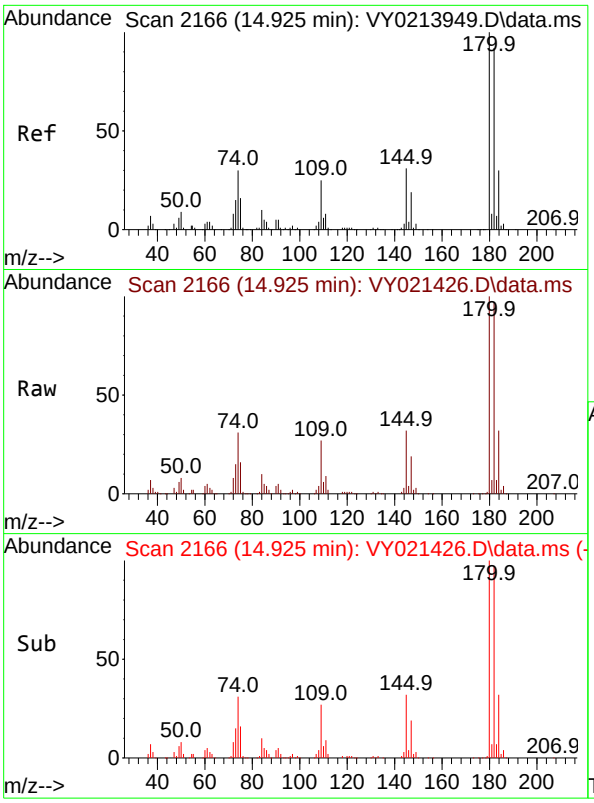


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.779 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 75 Resp: 17841

Ion	Ratio	Lower	Upper
75	100		
155	82.7	43.5	130.5
157	106.5	54.4	163.2

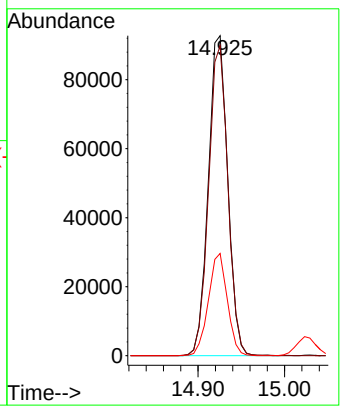




#93
1,2,4-Trichlorobenzene
Concen: 49.844 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:180 Resp: 14443

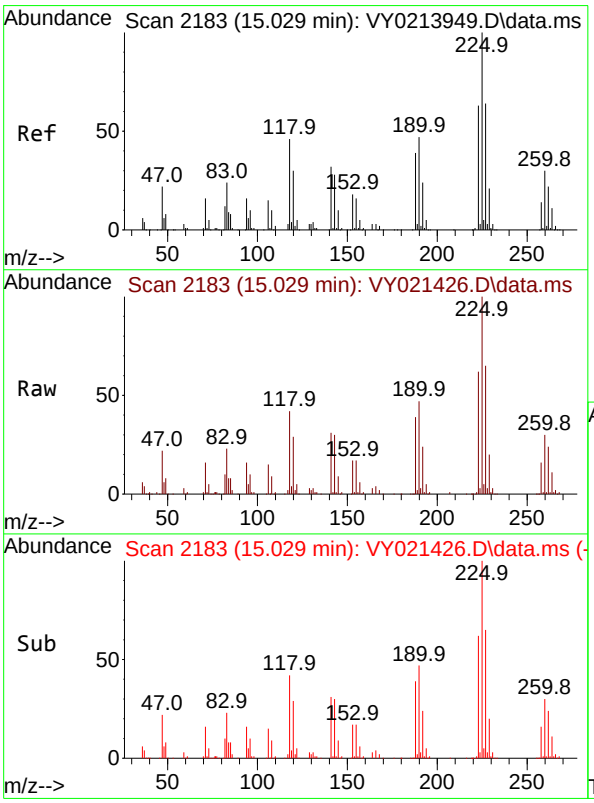
Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.7	140.0
145	31.2	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

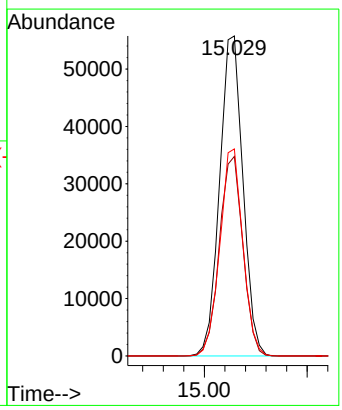
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

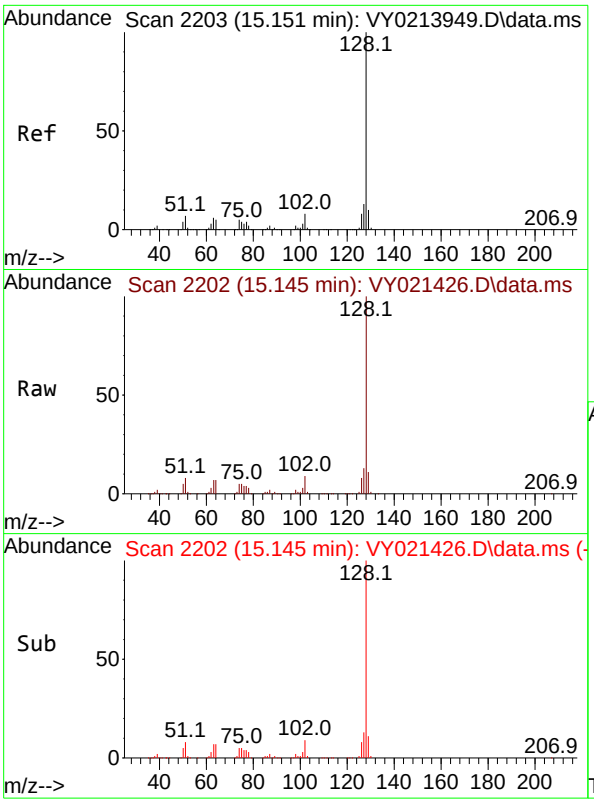


#94
Hexachlorobutadiene
Concen: 48.258 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:225 Resp: 87656

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	63.9	31.8	95.4

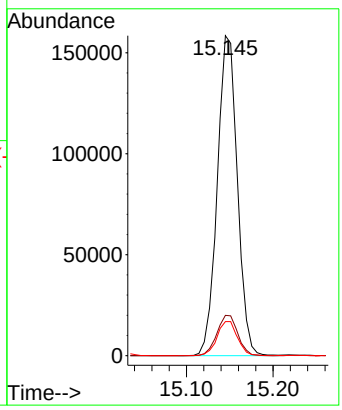




#95
Naphthalene
Concen: 51.817 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:128 Resp: 25494

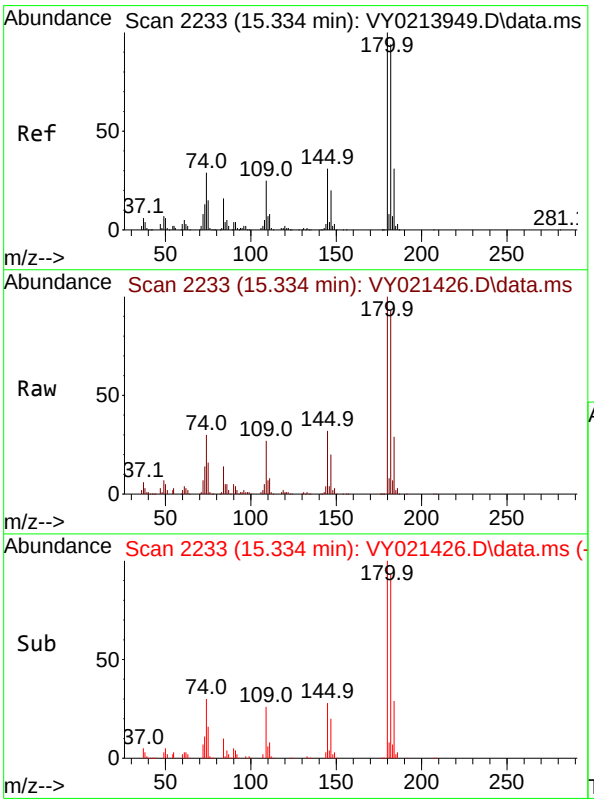
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

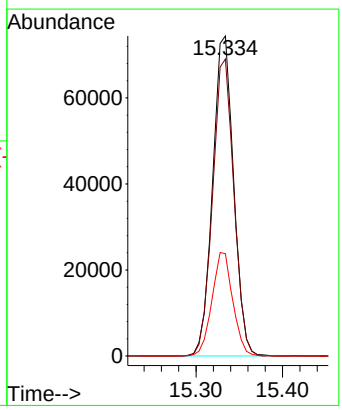
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.380 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:180 Resp: 125217

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.2	141.6
145	32.1	16.4	49.1



Sample Results: **VY021426.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 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	97	0.00
2	T	Dichlorodifluoromethane	0.459	0.403	12.2	87	0.00
3	P	Chloromethane	0.647	0.644	0.5	101	0.00
4	C	Vinyl Chloride	0.707	0.731	-3.4#	103	0.00
5	T	Bromomethane	0.511	0.498	2.5	103	-0.01
6	T	Chloroethane	0.467	0.503	-7.7	106	0.00
7	T	Trichlorofluoromethane	0.987	0.975	1.2	98	-0.01
8	T	Diethyl Ether	0.273	0.282	-3.3	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.563	0.524	6.9	95	-0.02
10	T	Methyl Iodide	0.573	0.588	-2.6	90	0.00
11	T	Tert butyl alcohol	0.041	0.037	9.8	95	0.00
12	CM	1,1-Dichloroethene	0.514	0.484	5.8#	93	-0.01
13	T	Acrolein	0.027	0.006	77.8#	118	-0.01
14	T	Allyl chloride	0.830	0.819	1.3	94	-0.02
15	T	Acrylonitrile	0.116	0.127	-9.5	99	-0.01
16	T	Acetone	0.115	0.095	17.4	69	0.00
17	T	Carbon Disulfide	1.610	1.552	3.6	92	-0.01
18	T	Methyl Acetate	0.256	0.295	-15.2	101	0.00
19	T	Methyl tert-butyl Ether	1.302	1.385	-6.4	98	0.00
20	T	Methylene Chloride	0.605	0.568	6.1	100	0.00
21	T	trans-1,2-Dichloroethene	0.575	0.563	2.1	97	-0.02
22	T	Diisopropyl ether	1.789	1.886	-5.4	99	0.00
23	T	Vinyl Acetate	1.021	1.115	-9.2	97	-0.01
24	P	1,1-Dichloroethane	1.056	1.061	-0.5	98	-0.01
25	T	2-Butanone	0.159	0.160	-0.6	86	0.00
26	T	2,2-Dichloropropane	0.971	0.886	8.8	92	0.00
27	T	cis-1,2-Dichloroethene	0.653	0.658	-0.8	98	0.00
28	T	Bromochloromethane	0.443	0.470	-6.1	98	0.00
29	T	Tetrahydrofuran	0.098	0.112	-14.3	98	-0.01
30	C	Chloroform	1.096	1.107	-1.0#	99	-0.01
31	T	Cyclohexane	0.990	0.888	10.3	92	0.00
32	T	1,1,1-Trichloroethane	1.004	0.973	3.1	97	0.00
33	S	1,2-Dichloroethane-d4	0.528	0.564	-6.8	114	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	-0.01
35	S	Dibromofluoromethane	0.329	0.349	-6.1	114	0.00
36	T	1,1-Dichloropropene	0.514	0.503	2.1	94	0.00
37	T	Ethyl Acetate	0.227	0.260	-14.5	101	0.00
38	T	Carbon Tetrachloride	0.592	0.577	2.5	95	0.00
39	T	Methylcyclohexane	0.631	0.612	3.0	91	0.00
40	TM	Benzene	1.515	1.544	-1.9	97	0.00
41	T	Methacrylonitrile	0.124	0.133	-7.3	98	0.00
42	TM	1,2-Dichloroethane	0.424	0.447	-5.4	99	-0.01
43	T	Isopropyl Acetate	0.441	0.492	-11.6	99	0.00
44	TM	Trichloroethene	0.383	0.378	1.3	96	0.00
45	C	1,2-Dichloropropane	0.361	0.373	-3.3#	98	0.00
46	T	Dibromomethane	0.201	0.221	-10.0	101	0.00
47	T	Bromodichloromethane	0.533	0.559	-4.9	99	0.00
48	T	Methyl methacrylate	0.203	0.226	-11.3	96	0.00

Sample Results: **VY021426.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 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	0.003	-50.0#	108	0.00
50	S	Toluene-d8	1.244	1.310	-5.3	112	0.00
51	T	4-Methyl-2-Pentanone	0.228	0.266	-16.7	98	0.00
52	CM	Toluene	0.955	0.975	-2.1#	95	0.00
53	T	t-1,3-Dichloropropene	0.470	0.512	-8.9	99	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.587	-5.4	97	0.00
55	T	1,1,2-Trichloroethane	0.263	0.285	-8.4	97	0.00
56	T	Ethyl methacrylate	0.335	0.388	-15.8	98	0.00
57	T	1,3-Dichloropropane	0.455	0.494	-8.6	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.155	0.187	-20.6	104	0.00
59	T	2-Hexanone	0.151	0.180	-19.2	96	0.00
60	T	Dibromochloromethane	0.360	0.391	-8.6	100	0.00
61	T	1,2-Dibromoethane	0.248	0.270	-8.9	100	0.00
62	S	4-Bromofluorobenzene	0.423	0.469	-10.9	117	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64	T	Tetrachloroethene	0.407	0.384	5.7	95	0.00
65	PM	Chlorobenzene	1.181	1.160	1.8	98	0.00
66	T	1,1,1,2-Tetrachloroethane	0.417	0.416	0.2	99	0.00
67	C	Ethyl Benzene	2.072	2.064	0.4#	97	0.00
68	T	m/p-Xylenes	0.787	0.784	0.4	95	0.00
69	T	o-Xylene	0.725	0.733	-1.1	97	0.00
70	T	Styrene	1.203	1.259	-4.7	99	0.00
71	P	Bromoform	0.233	0.247	-6.0	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	3.939	3.682	6.5	95	0.00
74	T	N-amyl acetate	0.855	0.931	-8.9	102	0.00
75	P	1,1,2,2-Tetrachloroethane	0.695	0.694	0.1	99	0.00
76	T	1,2,3-Trichloropropane	0.504	0.513	-1.8	109	0.00
77	T	Bromobenzene	0.921	0.869	5.6	97	0.00
78	T	n-propylbenzene	4.783	4.514	5.6	96	0.00
79	T	2-Chlorotoluene	2.735	2.572	6.0	97	0.00
80	T	1,3,5-Trimethylbenzene	3.201	3.041	5.0	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.222	0.230	-3.6	100	0.00
82	T	4-Chlorotoluene	2.832	2.675	5.5	98	0.00
83	T	tert-Butylbenzene	2.855	2.719	4.8	97	0.00
84	T	1,2,4-Trimethylbenzene	3.178	3.062	3.7	97	0.00
85	T	sec-Butylbenzene	4.248	3.987	6.1	95	0.00
86	T	p-Isopropyltoluene	3.500	3.335	4.7	96	0.00
87	T	1,3-Dichlorobenzene	1.834	1.710	6.8	98	0.00
88	T	1,4-Dichlorobenzene	1.794	1.700	5.2	99	0.00
89	T	n-Butylbenzene	3.232	3.144	2.7	96	0.00
90	T	Hexachloroethane	0.747	0.686	8.2	98	0.00
91	T	1,2-Dichlorobenzene	1.572	1.520	3.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.104	0.106	-1.9	102	0.00
93	T	1,2,4-Trichlorobenzene	0.859	0.856	0.3	98	0.00
94	T	Hexachlorobutadiene	0.538	0.519	3.5	98	0.00
95	T	Naphthalene	1.390	1.511	-8.7	99	0.00

Sample Results: **VY021426.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 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	0.722	0.742	-2.8	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY021426.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 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	97	0.00
2	T	Dichlorodifluoromethane	50.000	43.903	12.2	87	0.00
3	P	Chloromethane	50.000	49.777	0.4	101	0.00
4	C	Vinyl Chloride	50.000	51.736	-3.5#	103	0.00
5	T	Bromomethane	50.000	48.738	2.5	103	-0.01
6	T	Chloroethane	50.000	53.870	-7.7	106	0.00
7	T	Trichlorofluoromethane	50.000	49.383	1.2	98	-0.01
8	T	Diethyl Ether	50.000	51.579	-3.2	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.535	6.9	95	-0.02
10	T	Methyl Iodide	50.000	51.334	-2.7	90	0.00
11	T	Tert butyl alcohol	250.000	272.642	-9.1	95	0.00
12	CM	1,1-Dichloroethene	50.000	47.161	5.7#	93	-0.01
13	T	Acrolein	250.000	51.516	79.4#	118	-0.01
14	T	Allyl chloride	50.000	49.343	1.3	94	-0.02
15	T	Acrylonitrile	250.000	273.503	-9.4	99	-0.01
16	T	Acetone	250.000	205.940	17.6	69	0.00
17	T	Carbon Disulfide	50.000	48.220	3.6	92	-0.01
18	T	Methyl Acetate	50.000	57.717	-15.4	101	0.00
19	T	Methyl tert-butyl Ether	50.000	53.206	-6.4	98	0.00
20	T	Methylene Chloride	50.000	46.907	6.2	100	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.926	2.1	97	-0.02
22	T	Diisopropyl ether	50.000	52.719	-5.4	99	0.00
23	T	Vinyl Acetate	250.000	273.089	-9.2	97	-0.01
24	P	1,1-Dichloroethane	50.000	50.264	-0.5	98	-0.01
25	T	2-Butanone	250.000	251.304	-0.5	86	0.00
26	T	2,2-Dichloropropane	50.000	45.627	8.7	92	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.337	-0.7	98	0.00
28	T	Bromochloromethane	50.000	53.090	-6.2	98	0.00
29	T	Tetrahydrofuran	250.000	283.216	-13.3	98	-0.01
30	C	Chloroform	50.000	50.508	-1.0#	99	-0.01
31	T	Cyclohexane	50.000	44.867	10.3	92	0.00
32	T	1,1,1-Trichloroethane	50.000	48.483	3.0	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.398	-6.8	114	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	-0.01
35	S	Dibromofluoromethane	50.000	53.115	-6.2	114	0.00
36	T	1,1-Dichloropropene	50.000	48.883	2.2	94	0.00
37	T	Ethyl Acetate	50.000	57.095	-14.2	101	0.00
38	T	Carbon Tetrachloride	50.000	48.736	2.5	95	0.00
39	T	Methylcyclohexane	50.000	48.487	3.0	91	0.00
40	TM	Benzene	50.000	50.938	-1.9	97	0.00
41	T	Methacrylonitrile	50.000	53.514	-7.0	98	0.00
42	TM	1,2-Dichloroethane	50.000	52.759	-5.5	99	-0.01
43	T	Isopropyl Acetate	50.000	55.731	-11.5	99	0.00
44	TM	Trichloroethene	50.000	49.358	1.3	96	0.00
45	C	1,2-Dichloropropane	50.000	51.738	-3.5#	98	0.00
46	T	Dibromomethane	50.000	55.018	-10.0	101	0.00
47	T	Bromodichloromethane	50.000	52.398	-4.8	99	0.00
48	T	Methyl methacrylate	50.000	55.808	-11.6	96	0.00

Sample Results: **VY021426.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 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	1278.089	-27.8#	108	0.00
50	S	Toluene-d8	50.000	52.629	-5.3	112	0.00
51	T	4-Methyl-2-Pentanone	250.000	292.531	-17.0	98	0.00
52	CM	Toluene	50.000	51.010	-2.0#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	54.523	-9.0	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.641	-5.3	97	0.00
55	T	1,1,2-Trichloroethane	50.000	54.258	-8.5	97	0.00
56	T	Ethyl methacrylate	50.000	57.967	-15.9	98	0.00
57	T	1,3-Dichloropropane	50.000	54.296	-8.6	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	302.700	-21.1	104	0.00
59	T	2-Hexanone	250.000	298.994	-19.6	96	0.00
60	T	Dibromochloromethane	50.000	54.286	-8.6	100	0.00
61	T	1,2-Dibromoethane	50.000	54.483	-9.0	100	0.00
62	S	4-Bromofluorobenzene	50.000	55.397	-10.8	117	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64	T	Tetrachloroethene	50.000	47.271	5.5	95	0.00
65	PM	Chlorobenzene	50.000	49.139	1.7	98	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.836	0.3	99	0.00
67	C	Ethyl Benzene	50.000	49.791	0.4#	97	0.00
68	T	m/p-Xylenes	100.000	99.700	0.3	95	0.00
69	T	o-Xylene	50.000	50.512	-1.0	97	0.00
70	T	Styrene	50.000	52.337	-4.7	99	0.00
71	P	Bromoform	50.000	52.982	-6.0	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	46.741	6.5	95	0.00
74	T	N-amyl acetate	50.000	54.396	-8.8	102	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.905	0.2	99	0.00
76	T	1,2,3-Trichloropropane	50.000	50.955	-1.9	109	0.00
77	T	Bromobenzene	50.000	47.159	5.7	97	0.00
78	T	n-propylbenzene	50.000	47.185	5.6	96	0.00
79	T	2-Chlorotoluene	50.000	47.022	6.0	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.512	5.0	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.814	-3.6	100	0.00
82	T	4-Chlorotoluene	50.000	47.230	5.5	98	0.00
83	T	tert-Butylbenzene	50.000	47.613	4.8	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.169	3.7	97	0.00
85	T	sec-Butylbenzene	50.000	46.928	6.1	95	0.00
86	T	p-Isopropyltoluene	50.000	47.642	4.7	96	0.00
87	T	1,3-Dichlorobenzene	50.000	46.614	6.8	98	0.00
88	T	1,4-Dichlorobenzene	50.000	47.394	5.2	99	0.00
89	T	n-Butylbenzene	50.000	48.645	2.7	96	0.00
90	T	Hexachloroethane	50.000	45.929	8.1	98	0.00
91	T	1,2-Dichlorobenzene	50.000	48.350	3.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.779	-1.6	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.844	0.3	98	0.00
94	T	Hexachlorobutadiene	50.000	48.258	3.5	98	0.00
95	T	Naphthalene	50.000	51.817	-3.6	99	0.00

Sample Results: **VY021426.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.380	-2.8	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

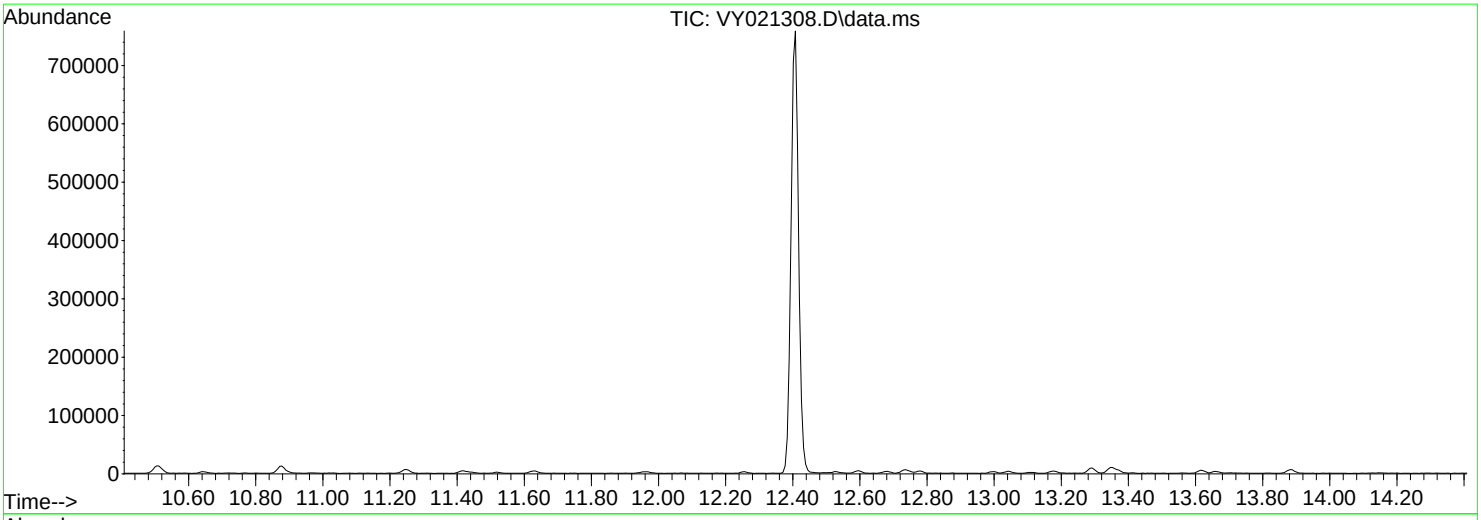
Sample Results: **VY021308.D**

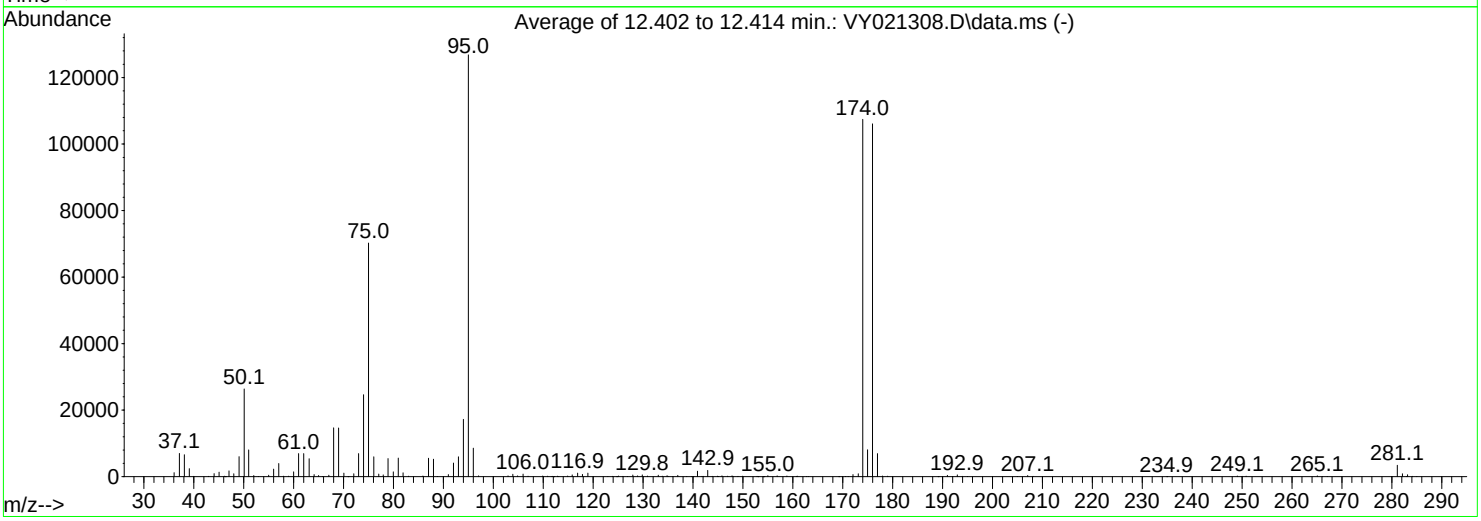
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021308.D
Acq On : 25 Feb 2025 12:10
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Title : SW846 8260
Last Update : Wed Feb 26 02:09:13 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	20.8	26379	PASS
75	95	30	60	55.4	70224	PASS
95	95	100	100	100.0	126829	PASS
96	95	5	9	6.7	8546	PASS
173	174	0.00	2	0.8	855	PASS
174	95	50	100	84.7	107419	PASS
175	174	5	9	7.5	8085	PASS
176	174	95	101	98.8	106077	PASS
177	176	5	9	6.5	6929	PASS

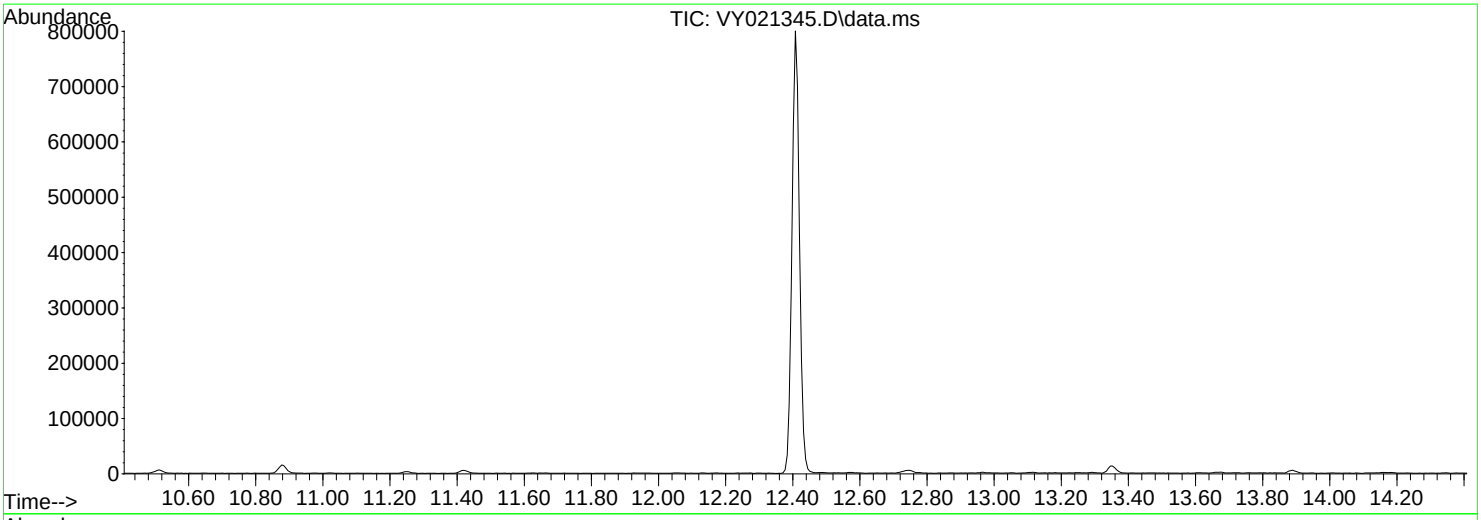
Sample Results: **VY021345.D**

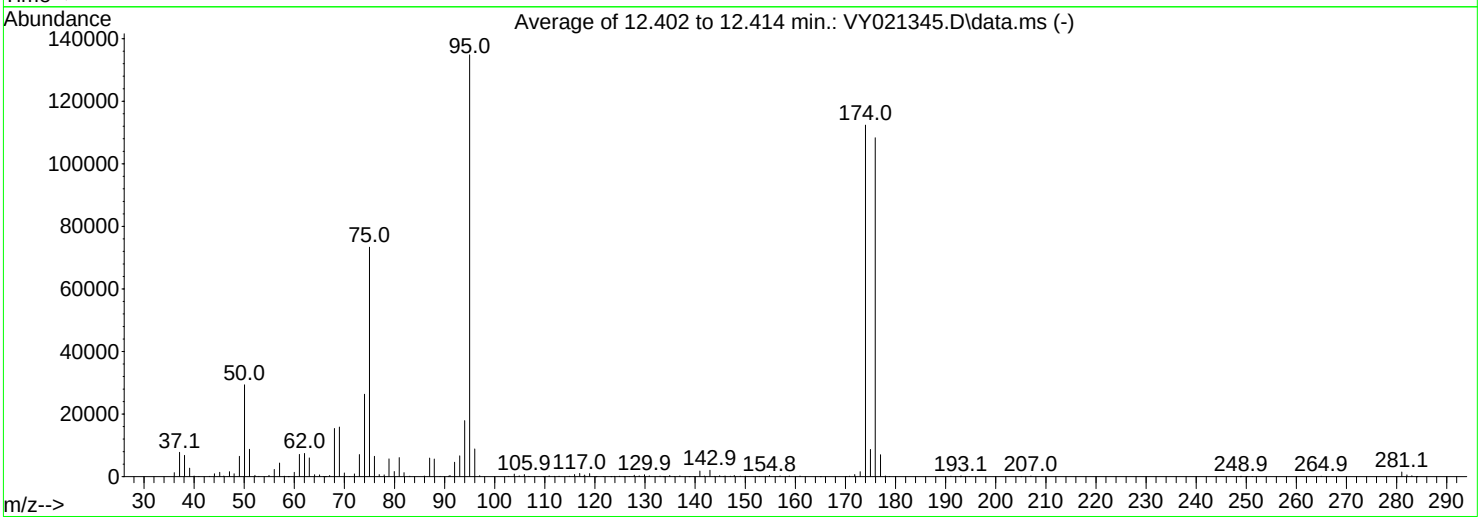
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021345.D
Acq On : 27 Feb 2025 09:41
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Title : SW846 8260
Last Update : Wed Feb 26 02:09:13 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	21.8	29339	PASS
75	95	30	60	54.4	73368	PASS
95	95	100	100	100.0	134840	PASS
96	95	5	9	6.6	8843	PASS
173	174	0.00	2	1.4	1606	PASS
174	95	50	100	83.3	112365	PASS
175	174	5	9	7.8	8726	PASS
176	174	95	101	96.4	108357	PASS
177	176	5	9	6.5	7010	PASS

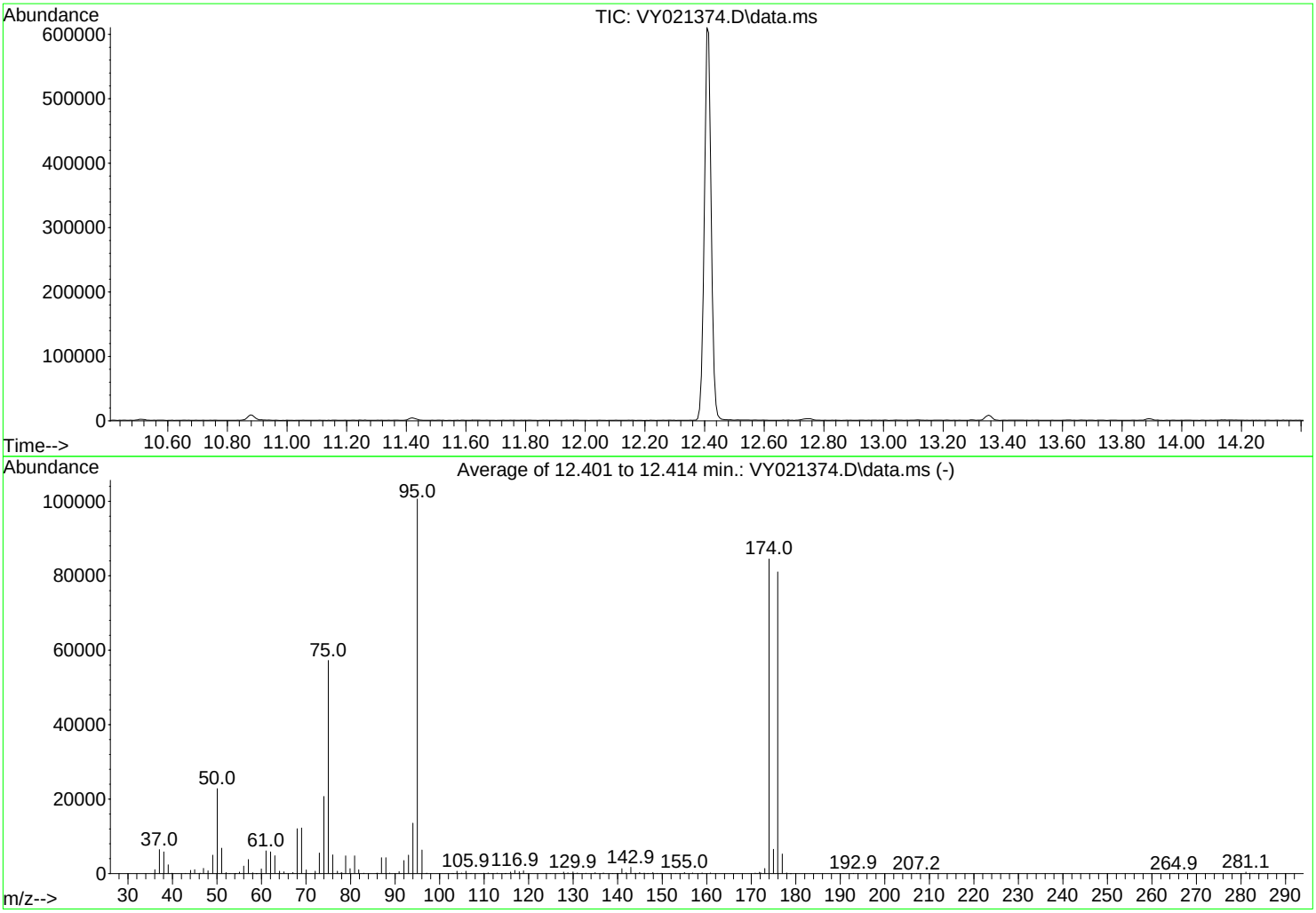
Sample Results: **VY021374.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021374.D
Acq On : 28 Feb 2025 09:03
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\82Y022525S.M
Title : SW846 8260
Last Update : Wed Feb 26 02:09:13 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.7	22835	PASS
75	95	30	60	56.9	57275	PASS
95	95	100	100	100.0	100624	PASS
96	95	5	9	6.3	6358	PASS
173	174	0.00	2	1.6	1366	PASS
174	95	50	100	84.0	84512	PASS
175	174	5	9	7.7	6516	PASS
176	174	95	101	95.9	81021	PASS
177	176	5	9	6.5	5274	PASS

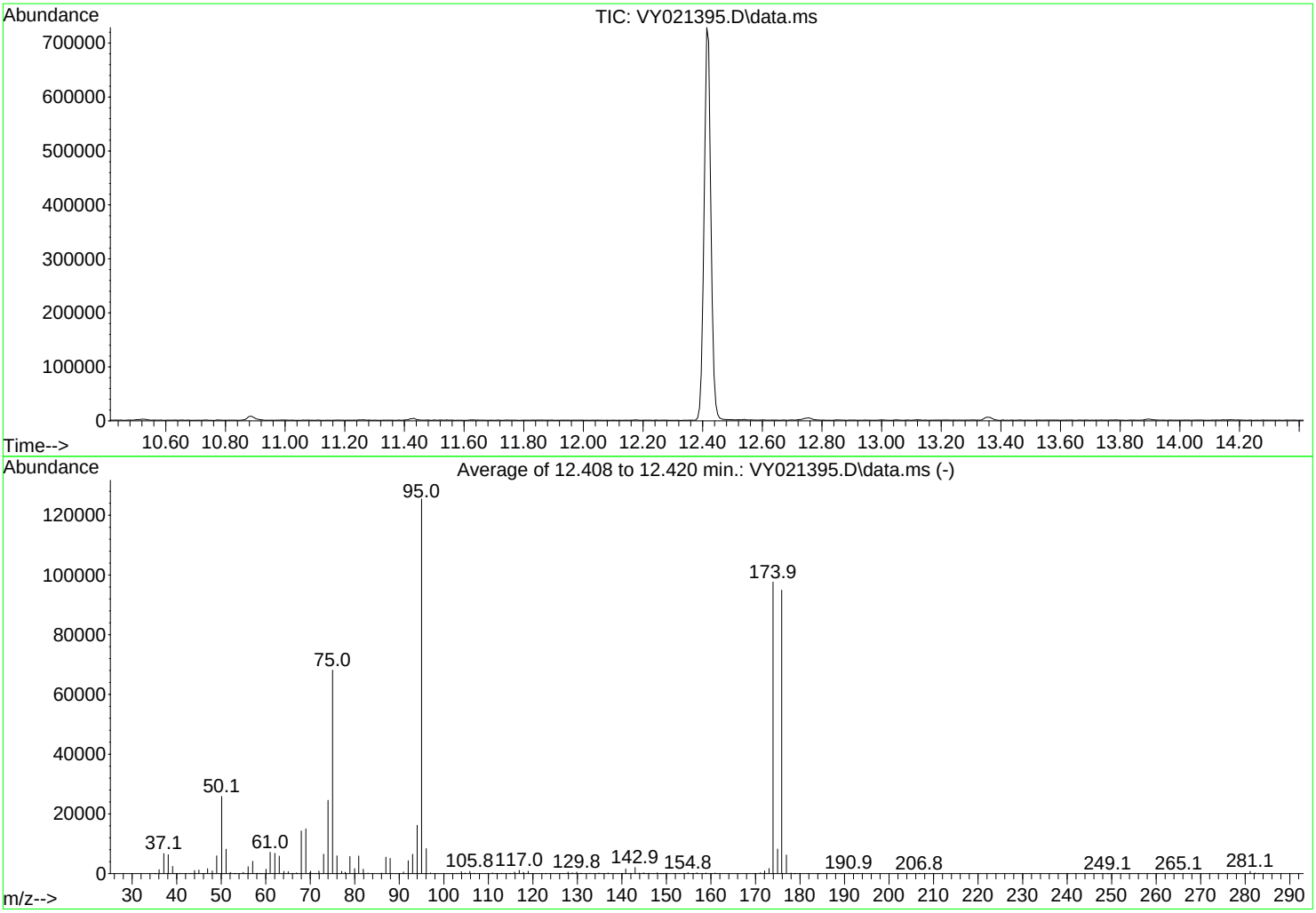
Sample Results: **VY021395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021395.D
Acq On : 04 Mar 2025 08:52
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Title : SW846 8260
Last Update : Wed Mar 05 12:42:45 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	25853	PASS
75	95	30	60	54.3	68152	PASS
95	95	100	100	100.0	125459	PASS
96	95	5	9	6.7	8382	PASS
173	174	0.00	2	1.8	1721	PASS
174	95	50	100	77.8	97645	PASS
175	174	5	9	8.4	8226	PASS
176	174	95	101	97.2	94957	PASS
177	176	5	9	6.6	6262	PASS

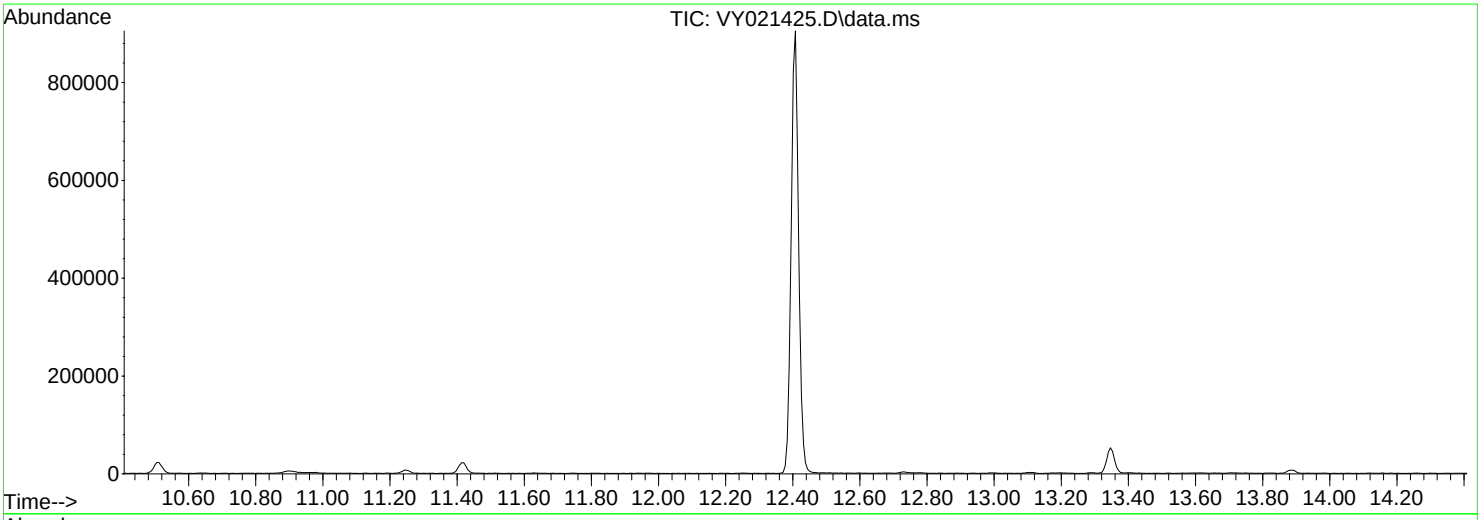
Sample Results: **VY021425.D**

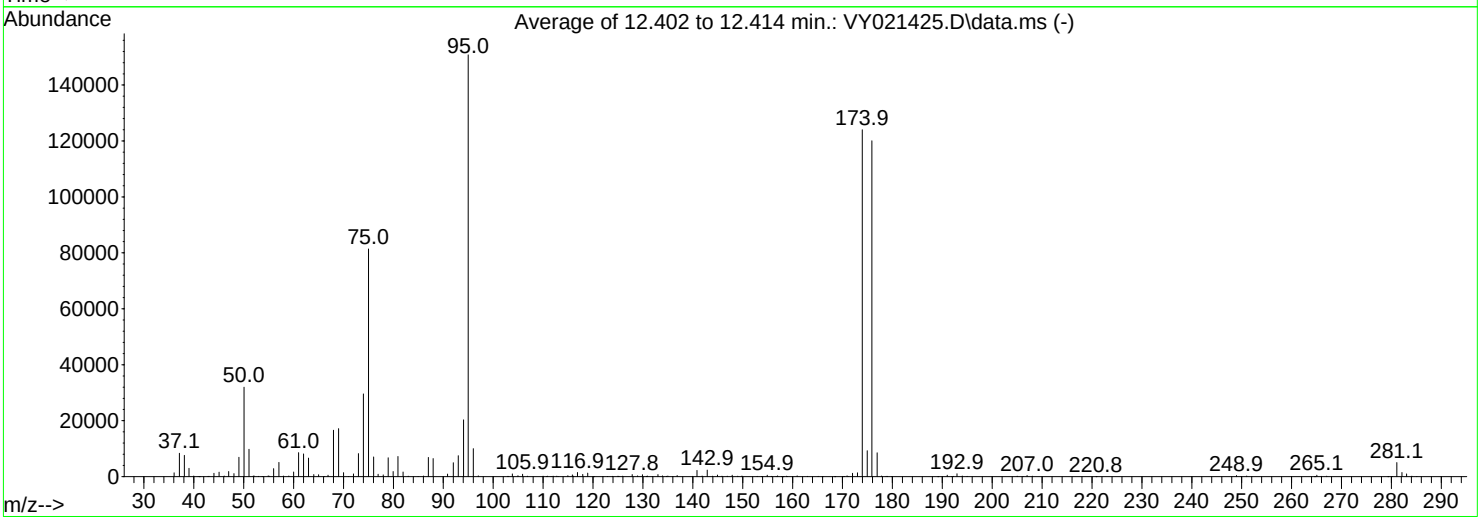
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021425.D
Acq On : 06 Mar 2025 09:39
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Title : SW846 8260
Last Update : Wed Mar 05 12:42:45 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.2	31960	PASS
75	95	30	60	54.0	81405	PASS
95	95	100	100	100.0	150795	PASS
96	95	5	9	6.6	10000	PASS
173	174	0.00	2	1.1	1384	PASS
174	95	50	100	82.3	124032	PASS
175	174	5	9	7.5	9302	PASS
176	174	95	101	96.8	120088	PASS
177	176	5	9	7.1	8525	PASS

Raw Data: **VY021347.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0227SBL01	SDG No.:	Q1421
Lab Sample ID:	VY0227SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021347.D	1		02/27/25 10:42	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

Raw Data: **VY021347.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0227SBL01	SDG No.:	Q1421
Lab Sample ID:	VY0227SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021347.D	1		02/27/25 10:42	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.2		63 - 155	118%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	48.2		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		38 - 136	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140000	7.707			
540-36-3	1,4-Difluorobenzene	264000	8.615			
3114-55-4	Chlorobenzene-d5	255000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	107000	13.346			

Raw Data: **VY021347.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0227SBL01	SDG No.:	Q1421
Lab Sample ID:	VY0227SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021347.D	1		02/27/25 10:42	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021347.D
Acq On : 27 Feb 2025 10:42
Operator : SY/MD
Sample : VY0227SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

Quant Time: Feb 28 00:40:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	140233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	264026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	255103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	107368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	94225	59.230	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.460%			
35) Dibromofluoromethane	7.634	113	90944	52.539	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.080%			
50) Toluene-d8	10.109	98	322284	48.176	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.360%			
62) 4-Bromofluorobenzene	12.407	95	111519	49.533	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.060%			

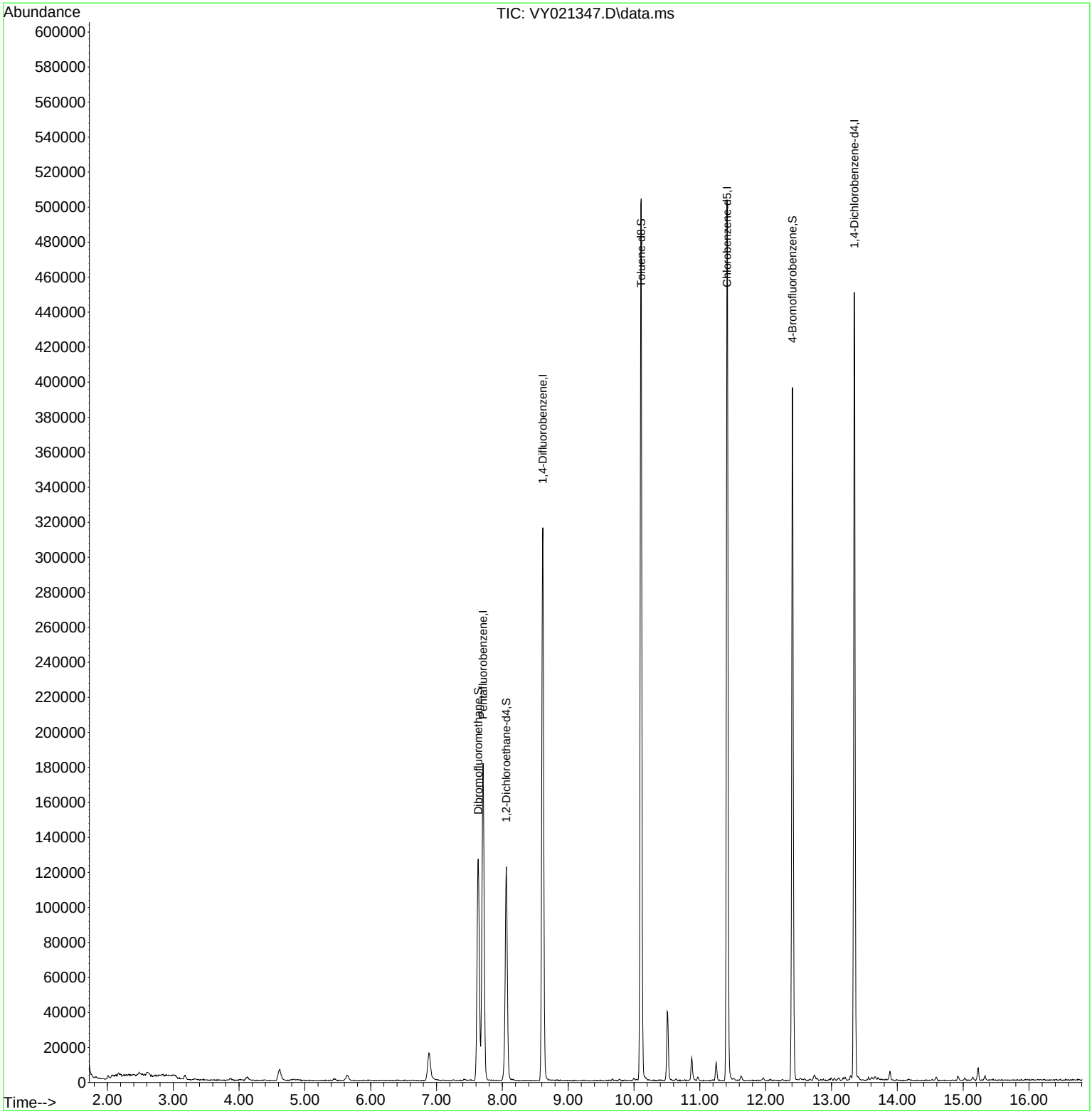
Target Compounds Qvalue

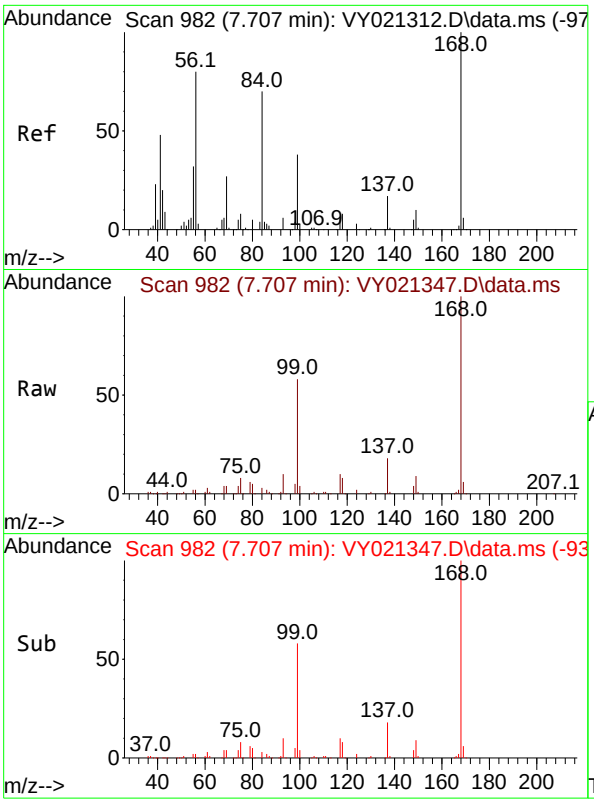
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021347.D
Acq On : 27 Feb 2025 10:42
Operator : SY/MD
Sample : VY0227SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

Quant Time: Feb 28 00:40:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



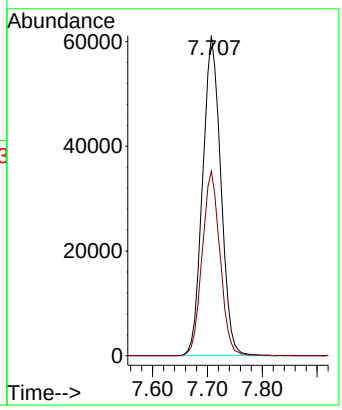


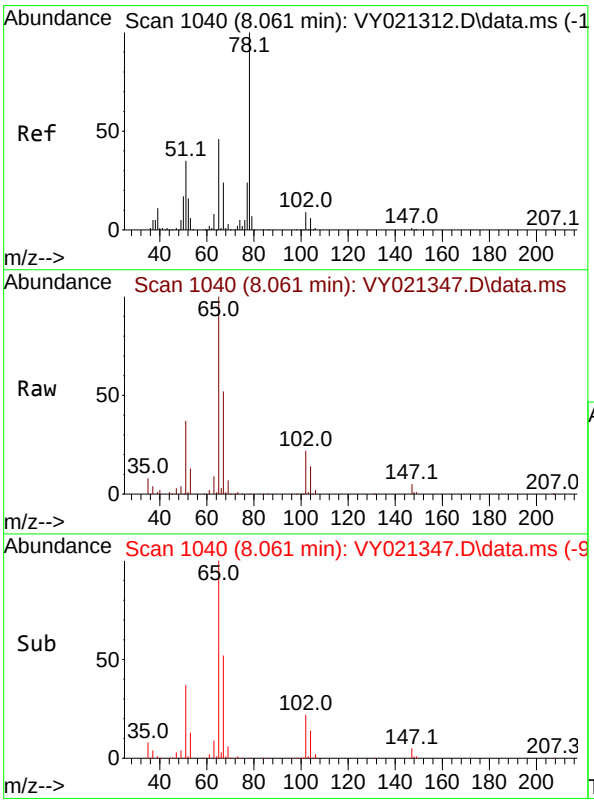
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

Tgt Ion:168 Resp: 140233

Ion	Ratio	Lower	Upper
168	100		
99	57.6	47.1	70.7

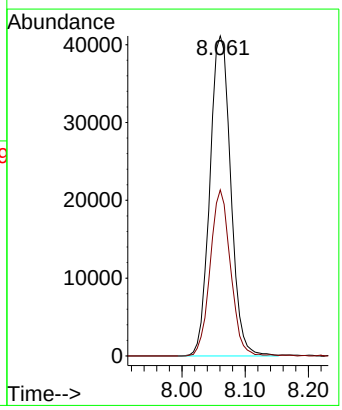


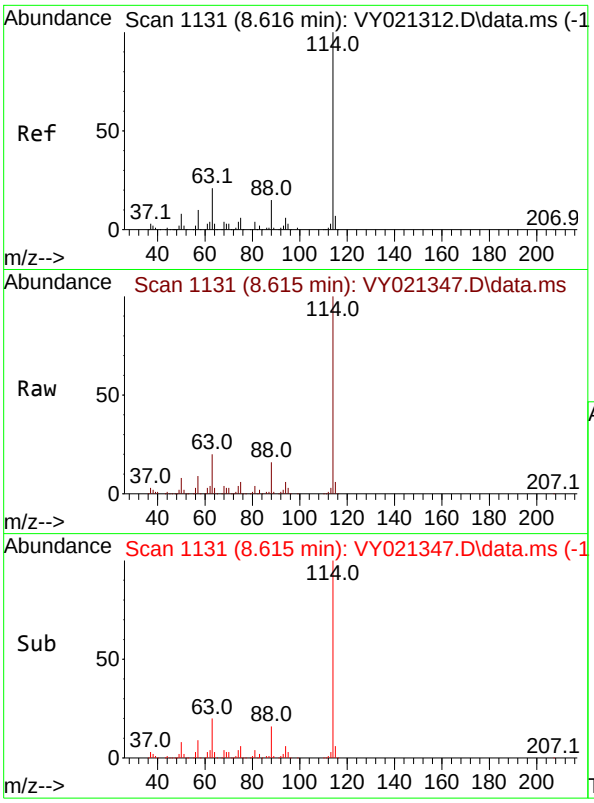


#33
1,2-Dichloroethane-d4
Concen: 59.230 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Tgt Ion: 65 Resp: 94225

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	103.6



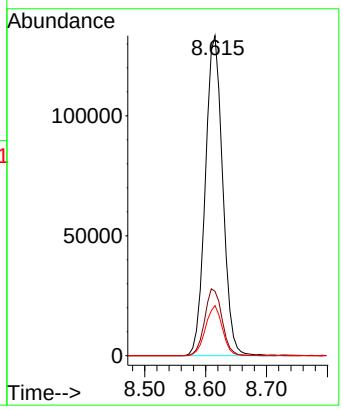


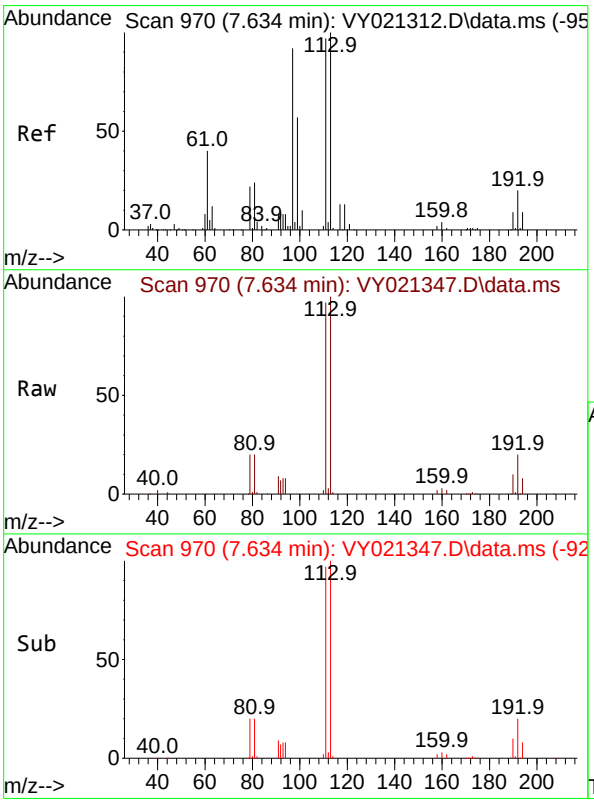
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

Tgt Ion:114 Resp: 264026

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	42.2
88	15.7	0.0	29.8

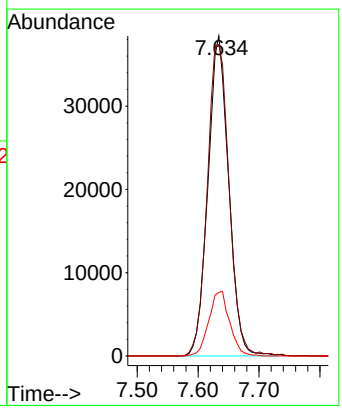


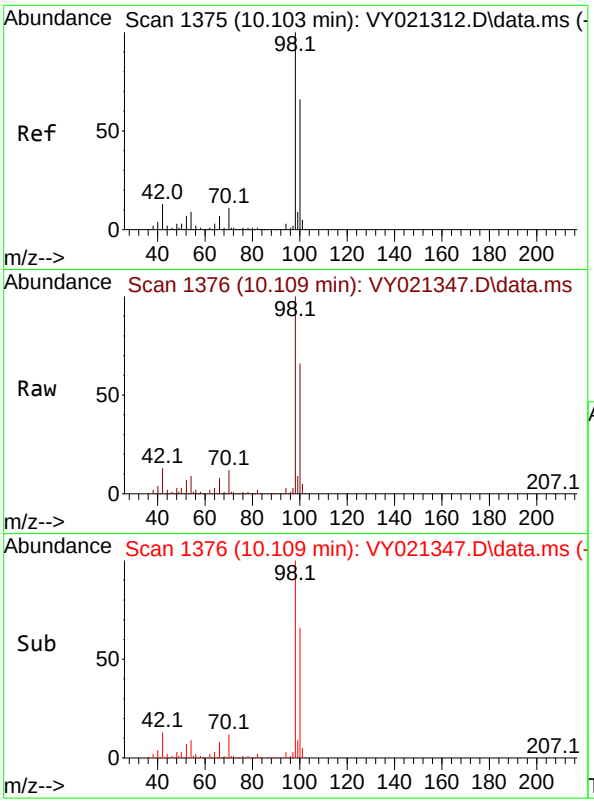


#35
Dibromofluoromethane
Concen: 52.539 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Tgt Ion:113 Resp: 90944

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.0	121.6
192	20.3	15.8	23.8



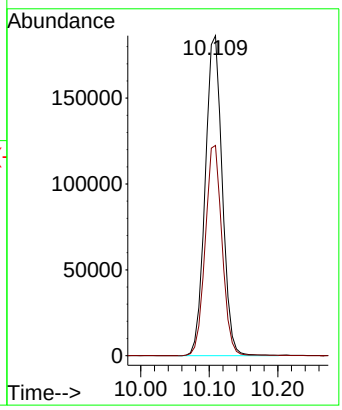


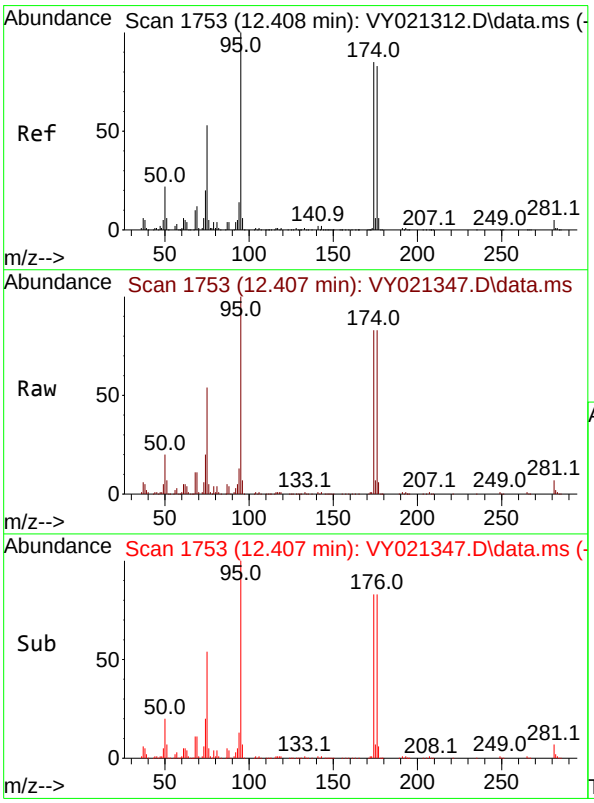
#50
Toluene-d8
Concen: 48.176 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

Tgt Ion: 98 Resp: 322284

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6

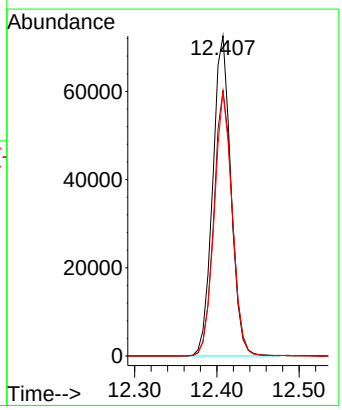


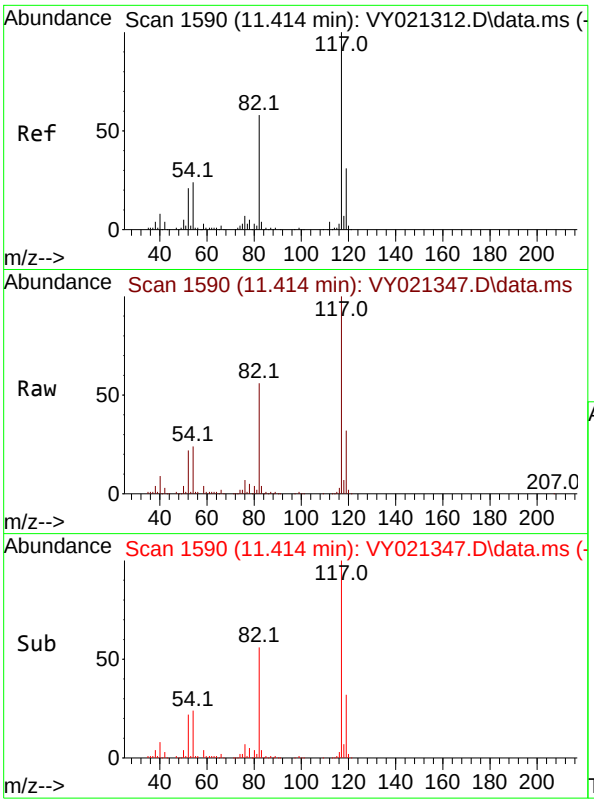


#62
4-Bromofluorobenzene
Concen: 49.533 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Tgt Ion: 95 Resp: 111519

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	168.0
176	81.7	0.0	162.6



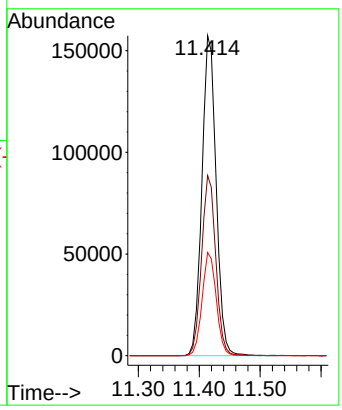


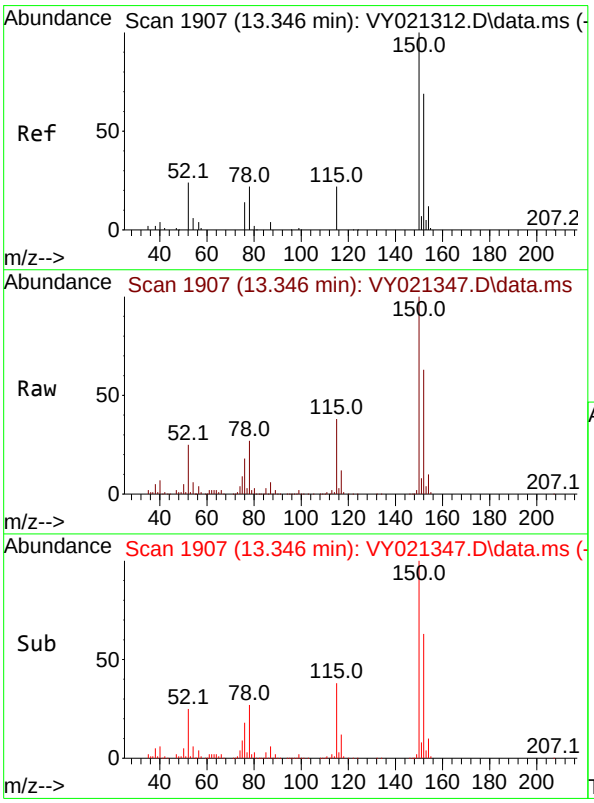
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

Tgt Ion:117 Resp: 255103

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.2	69.4
119	32.3	24.9	37.3

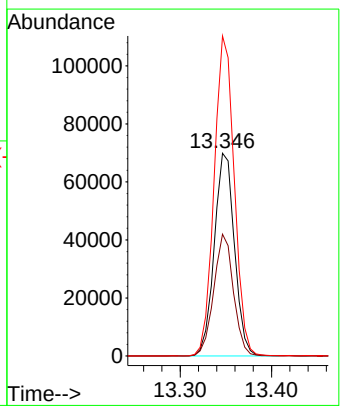




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Tgt Ion:152 Resp: 107368

Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.3	88.0
150	157.4	0.0	347.4



Sample Results: **VY021347.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021347.D
Acq On : 27 Feb 2025 10:42
Operator : SY/MD
Sample : VY0227SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

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\82Y022525S.M
Title : SW846 8260

Signal : TIC: VY021347.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% of max.	% of total
1	4.616	467	475	492	rVB2	6284	21235	2.42%	0.437%
2	5.640	632	643	655	rBV5	3017	9750	1.11%	0.201%
3	6.884	837	847	865	rBV	15930	53856	6.14%	1.109%
4	7.634	960	970	976	rBV2	126557	309026	35.24%	6.363%
5	7.707	976	982	996	rVB	181083	418824	47.76%	8.623%
6	8.061	1027	1040	1051	rBV	122099	283283	32.30%	5.833%
7	8.615	1122	1131	1145	rBV	315845	630977	71.95%	12.992%
8	10.109	1368	1376	1392	rVB	503363	876938	100.00%	18.056%
9	10.505	1434	1441	1450	rBV	39488	72341	8.25%	1.489%
10	10.877	1492	1502	1510	rBV	13045	22855	2.61%	0.471%
11	11.249	1558	1563	1570	rVB	10227	16372	1.87%	0.337%
12	11.414	1583	1590	1603	rBV	503205	815091	92.95%	16.782%
13	12.407	1746	1753	1762	rBV2	395816	641394	73.14%	13.206%
14	13.346	1901	1907	1915	rBV	448635	672738	76.71%	13.851%
15	15.230	2210	2216	2220	rBV3	7340	12145	1.38%	0.250%

Sum of corrected areas: 4856825

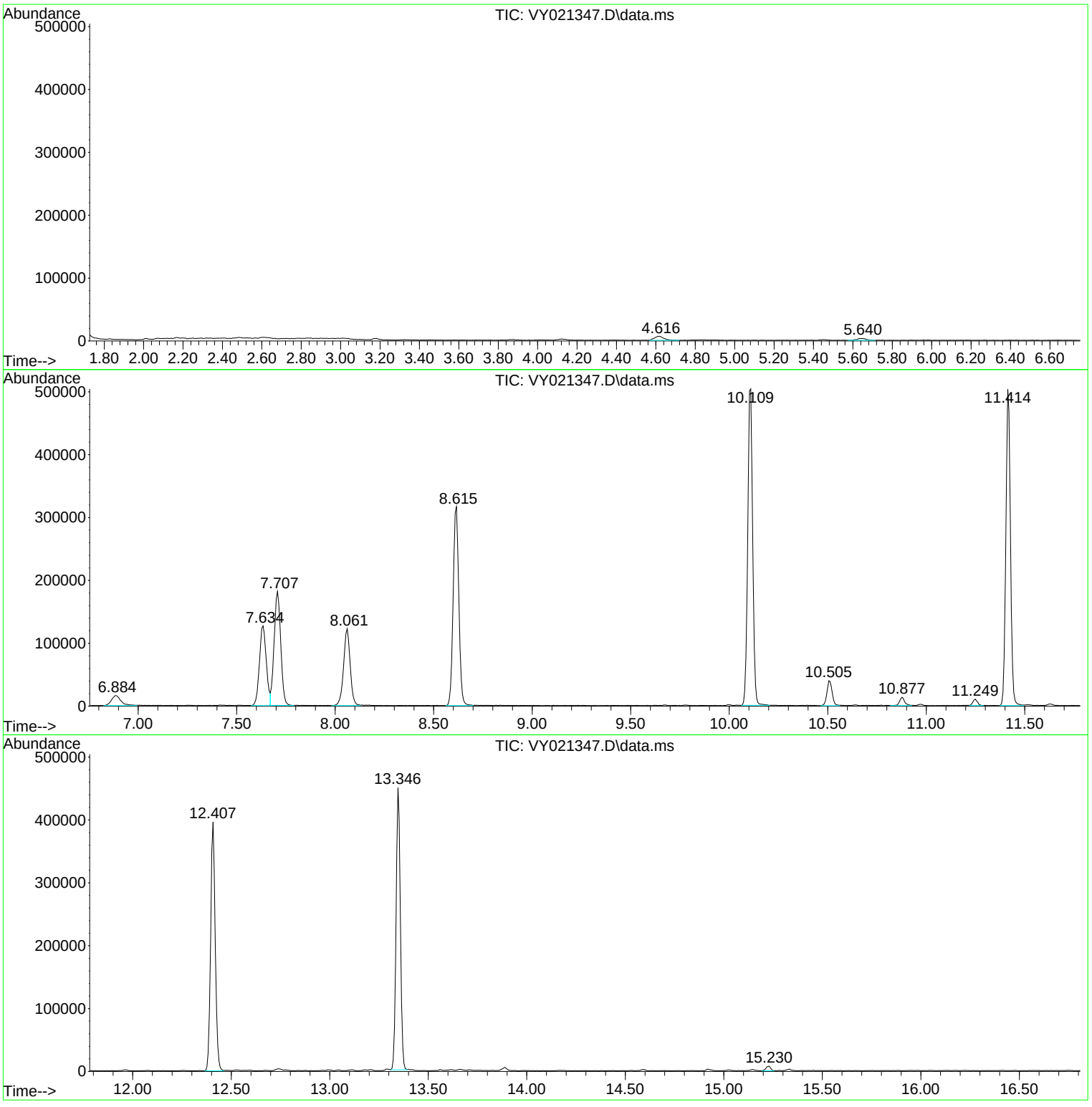
Sample Results: **VY021347.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021347.D
Acq On : 27 Feb 2025 10:42
Operator : SY/MD
Sample : VY0227SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY021347.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021347.D
Acq On : 27 Feb 2025 10:42
Operator : SY/MD
Sample : VY0227SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.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\VY022725\
Data File : VY021347.D
Acq On : 27 Feb 2025 10:42
Operator : SY/MD
Sample : VY0227SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY021376.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0228SBL01	SDG No.:	Q1421
Lab Sample ID:	VY0228SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021376.D	1		02/28/25 10:59	VY022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

Raw Data: **VY021376.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0228SBL01	SDG No.:	Q1421
Lab Sample ID:	VY0228SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021376.D	1		02/28/25 10:59	VY022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	47.1		74 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.7		38 - 136	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	106000	7.713			
540-36-3	1,4-Difluorobenzene	181000	8.616			
3114-55-4	Chlorobenzene-d5	159000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	59400	13.353			

Raw Data: **VY021376.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0228SBL01	SDG No.:	Q1421
Lab Sample ID:	VY0228SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021376.D	1		02/28/25 10:59	VY022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021376.D
Acq On : 28 Feb 2025 10:59
Operator : SY/MD
Sample : VY0228SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBL01

Quant Time: Feb 28 22:18:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	105534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	180558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	159029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	59388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	62494	52.201	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.400%			
35) Dibromofluoromethane	7.634	113	61564	52.007	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.020%			
50) Toluene-d8	10.109	98	215695	47.148	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.300%			
62) 4-Bromofluorobenzene	12.408	95	62690	40.717	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.440%			

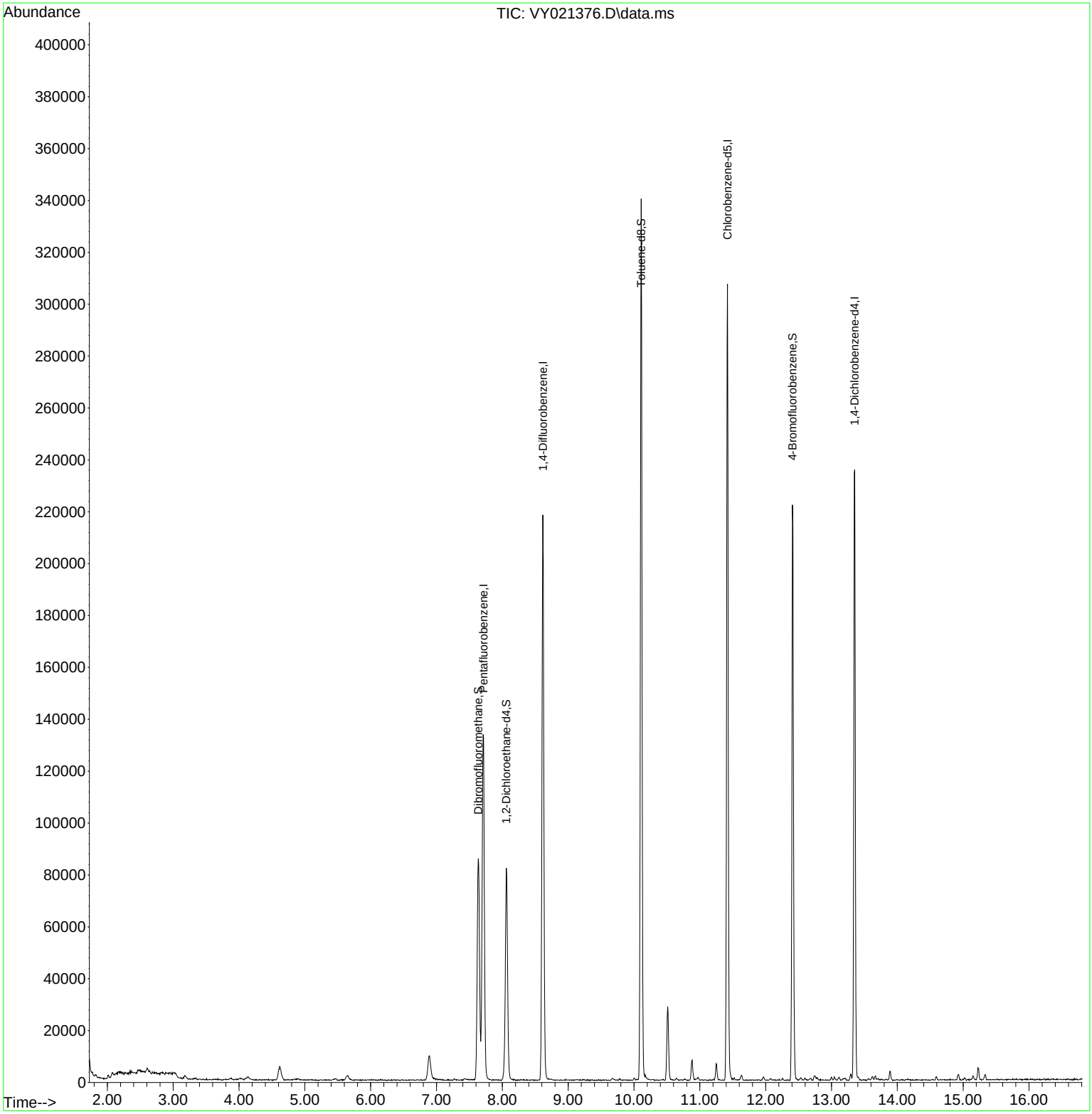
Target Compounds Qvalue

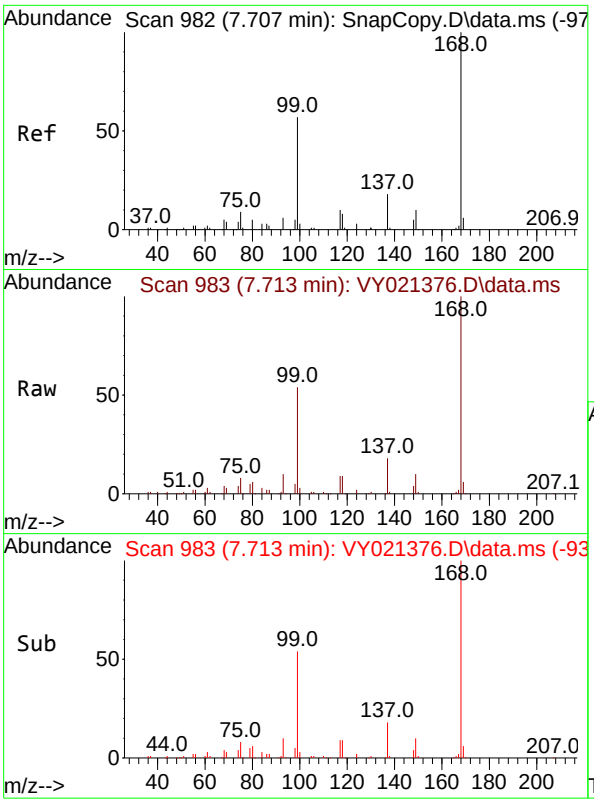
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021376.D
Acq On : 28 Feb 2025 10:59
Operator : SY/MD
Sample : VY0228SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBL01

Quant Time: Feb 28 22:18:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



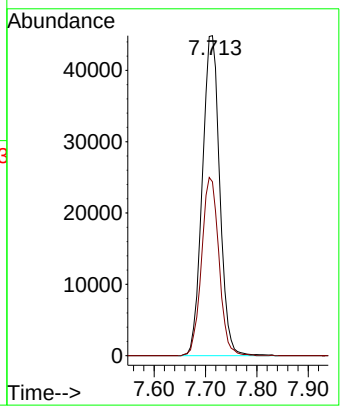


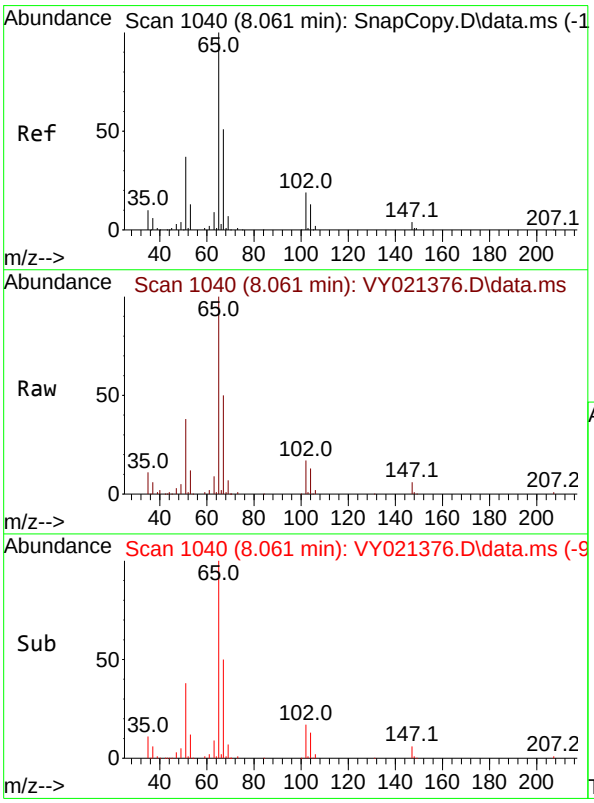
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021376.D
Acq: 28 Feb 2025 10:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBL01

Tgt Ion:168 Resp: 105534

Ion	Ratio	Lower	Upper
168	100		
99	54.4	47.1	70.7

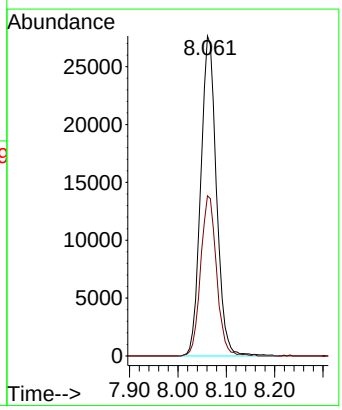


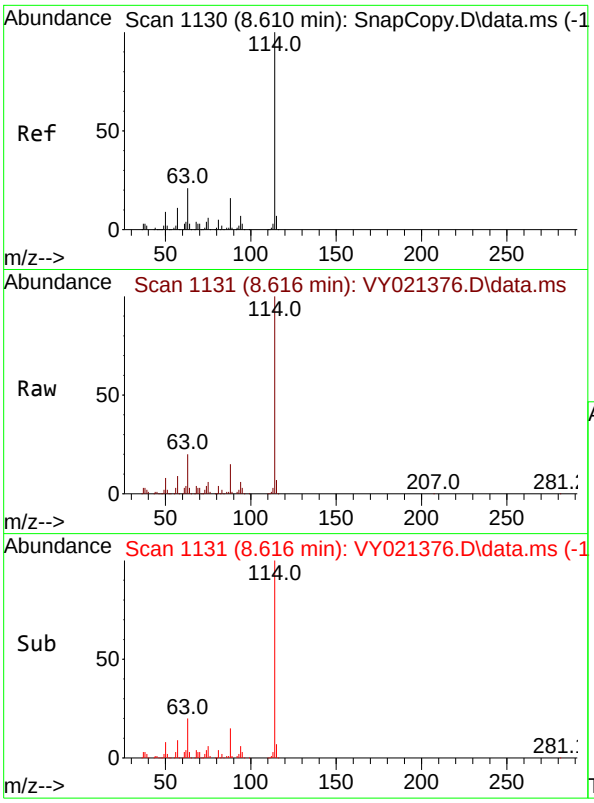


#33
1,2-Dichloroethane-d4
Concen: 52.201 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021376.D
Acq: 28 Feb 2025 10:59

Tgt Ion: 65 Resp: 62494

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	103.6



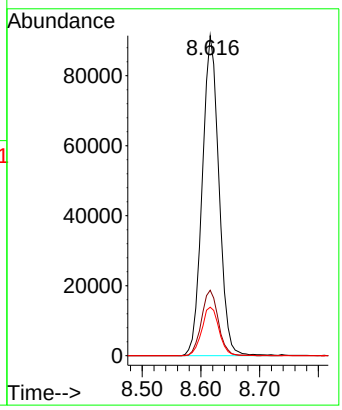


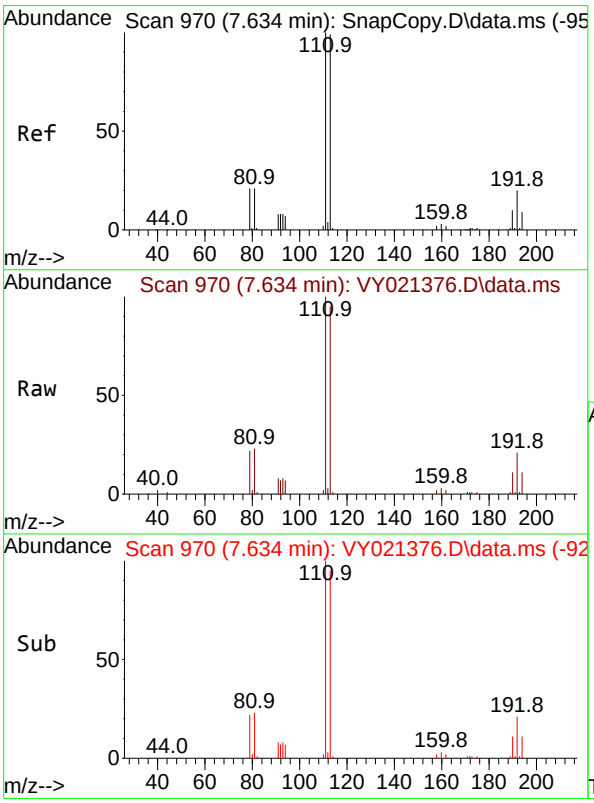
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021376.D
Acq: 28 Feb 2025 10:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBL01

Tgt Ion:114 Resp: 180558

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.2
88	15.2	0.0	29.8

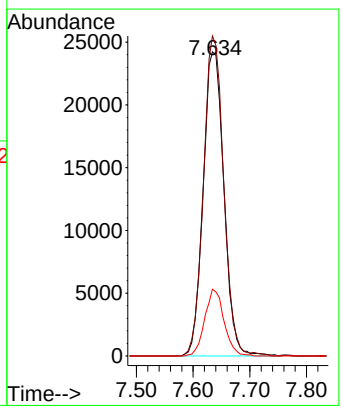


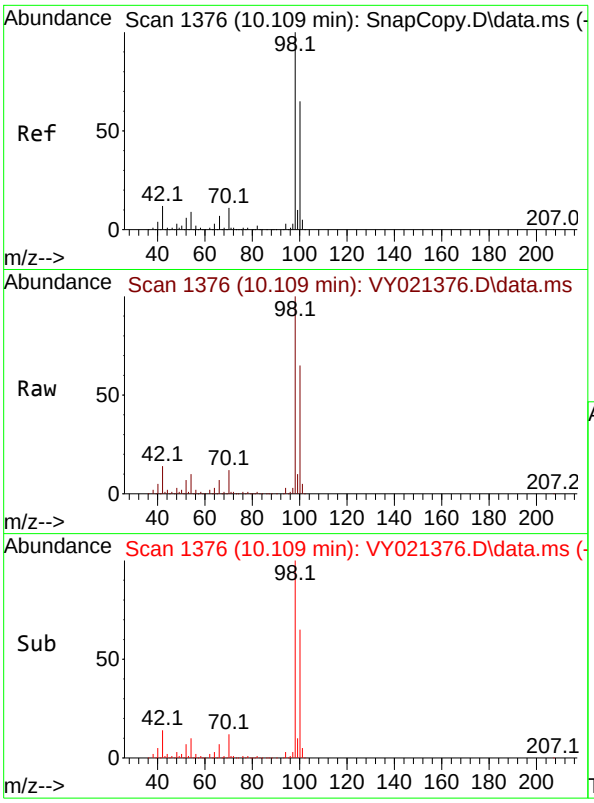


#35
Dibromofluoromethane
Concen: 52.007 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021376.D
Acq: 28 Feb 2025 10:59

Tgt Ion:113 Resp: 61564

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.0	121.6
192	20.3	15.8	23.8



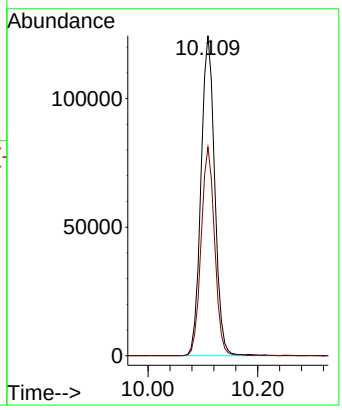


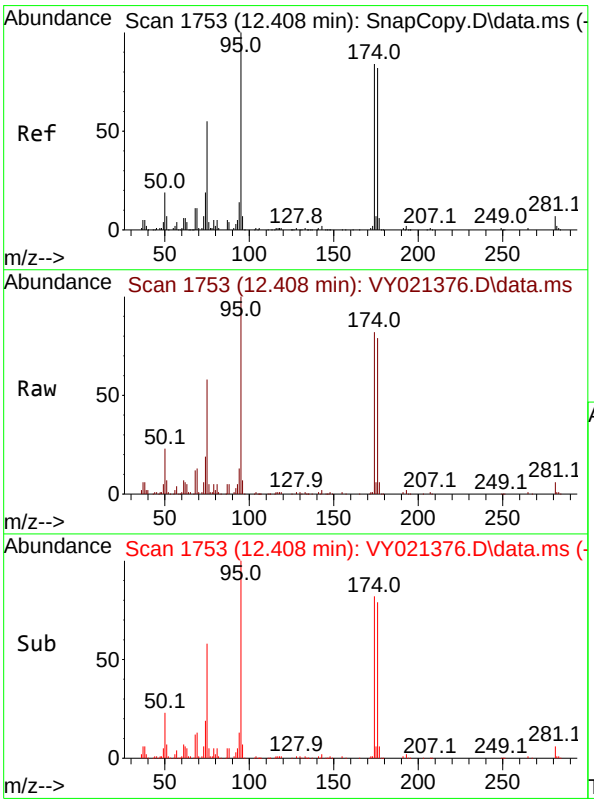
#50
Toluene-d8
Concen: 47.148 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021376.D
Acq: 28 Feb 2025 10:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBL01

Tgt Ion: 98 Resp: 215695

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.4	78.6

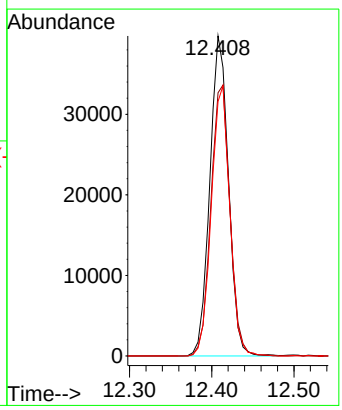


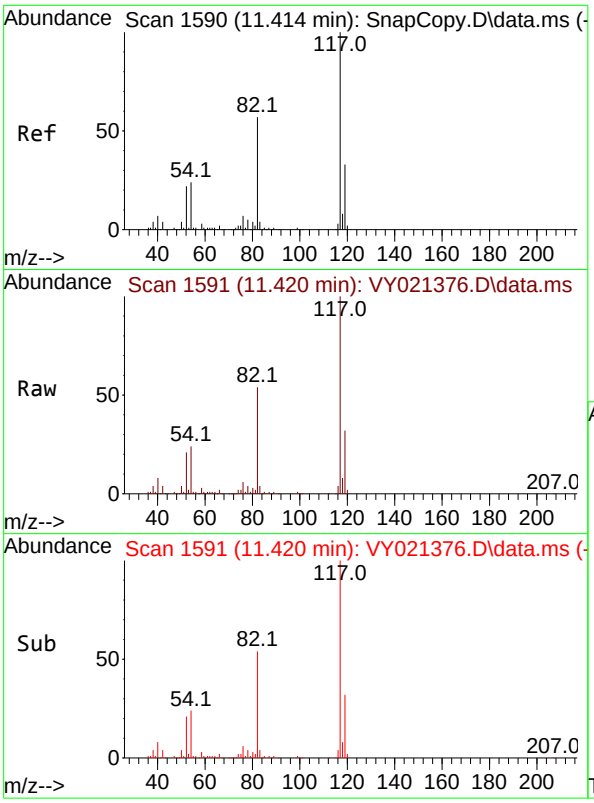


#62
4-Bromofluorobenzene
Concen: 40.717 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021376.D
Acq: 28 Feb 2025 10:59

Tgt Ion: 95 Resp: 62690

Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	168.0
176	83.6	0.0	162.6



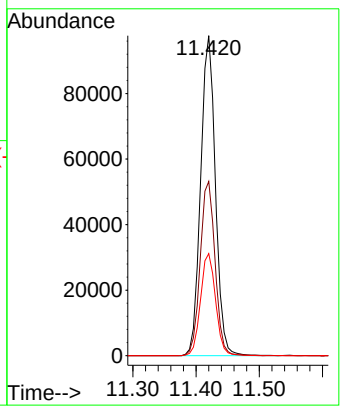


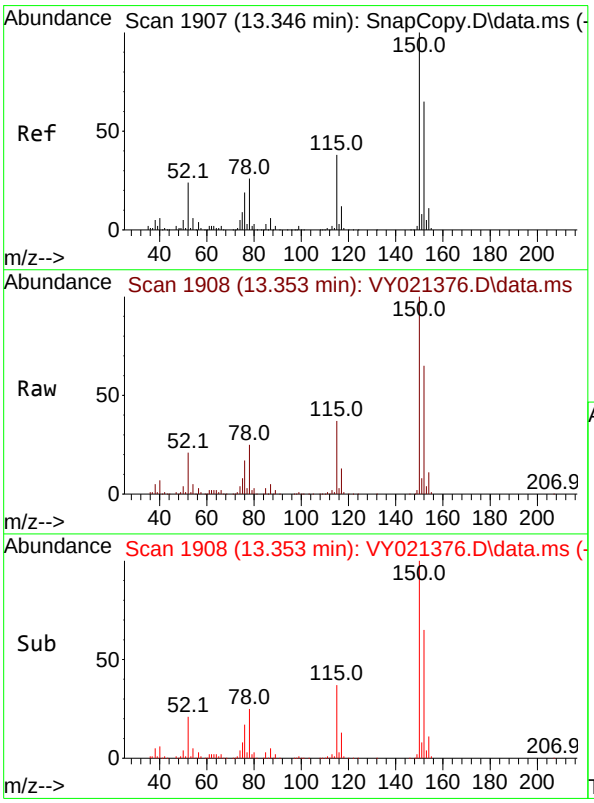
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021376.D
Acq: 28 Feb 2025 10:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBL01

Tgt Ion:117 Resp: 159029

Ion	Ratio	Lower	Upper
117	100		
82	54.5	46.2	69.4
119	31.9	24.9	37.3

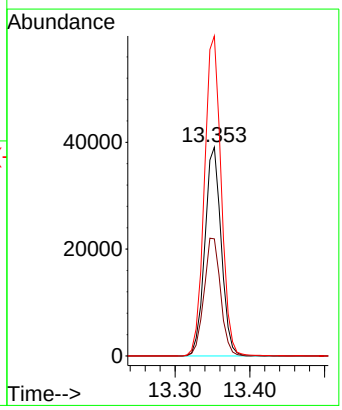




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021376.D
Acq: 28 Feb 2025 10:59

Tgt Ion:152 Resp: 59388

Ion	Ratio	Lower	Upper
152	100		
115	57.1	29.3	88.0
150	156.4	0.0	347.4



Sample Results: **VY021376.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021376.D
Acq On : 28 Feb 2025 10:59
Operator : SY/MD
Sample : VY0228SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBL01

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\82Y022525S.M
Title : SW846 8260

Signal : TIC: VY021376.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	466	475	486	rVB3	5259	16483	2.83%	0.528%
2	6.890	839	848	859	rBV2	9298	29328	5.04%	0.939%
3	7.634	961	970	976	rBV	85357	209625	35.99%	6.709%
4	7.707	976	982	995	rVB	132816	312807	53.71%	10.012%
5	8.061	1027	1040	1055	rBV3	81941	194530	33.40%	6.226%
6	8.616	1123	1131	1145	rBV	217850	433719	74.47%	13.882%
7	10.109	1368	1376	1385	rBV	339535	582391	100.00%	18.641%
8	10.512	1435	1442	1449	rBV	28352	52264	8.97%	1.673%
9	10.884	1495	1503	1508	rBV3	7886	14332	2.46%	0.459%
10	11.249	1558	1563	1569	rBV2	6342	10537	1.81%	0.337%
11	11.420	1583	1591	1602	rBV	307053	509322	87.45%	16.302%
12	12.408	1747	1753	1765	rBV2	221809	372790	64.01%	11.932%
13	13.353	1901	1908	1916	rVV	234724	372159	63.90%	11.912%
14	13.889	1990	1996	2004	rVB3	3626	6380	1.10%	0.204%
15	15.224	2210	2215	2221	rBV2	4691	7662	1.32%	0.245%

Sum of corrected areas: 3124329

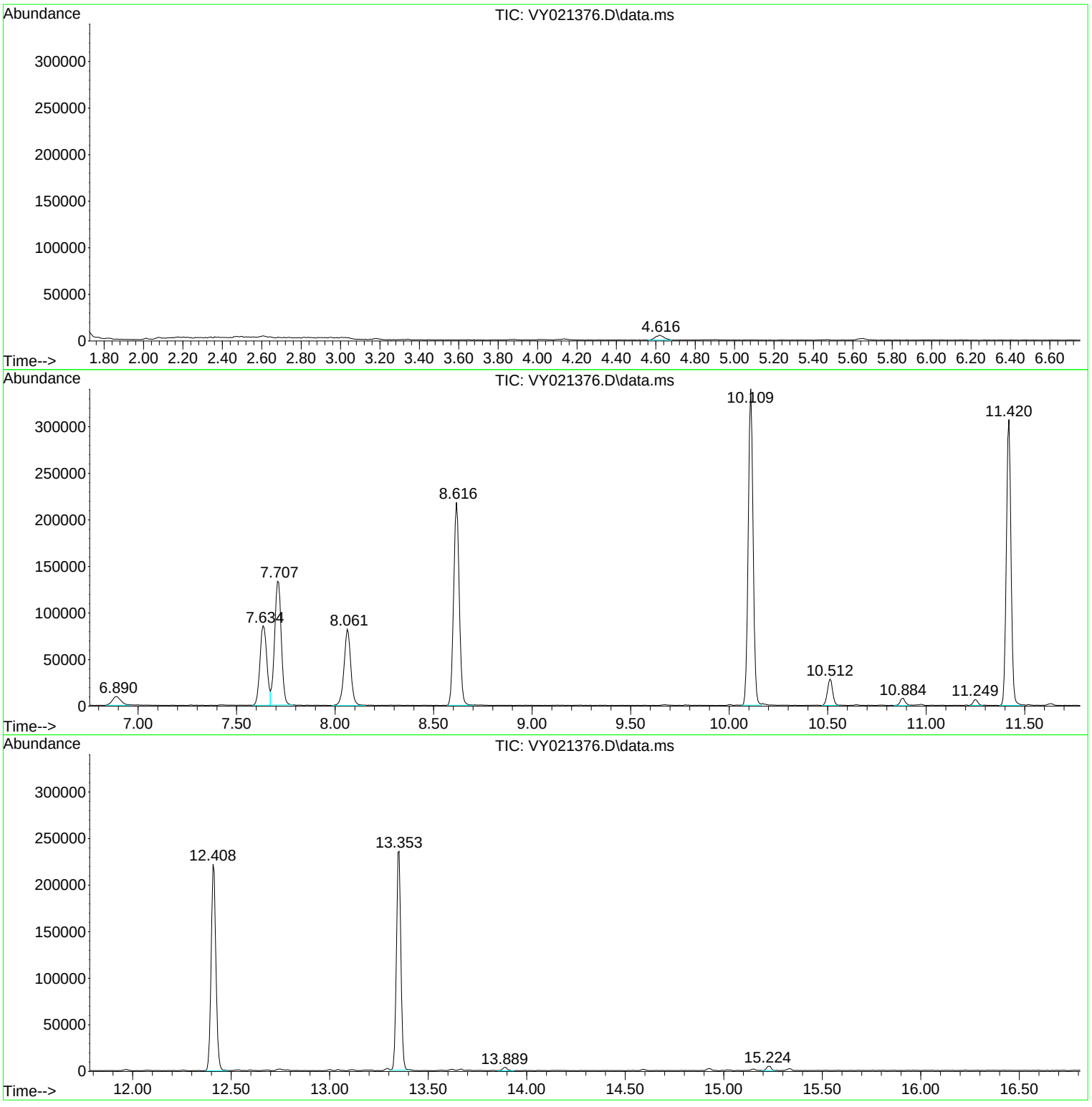
Sample Results: **VY021376.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021376.D
Acq On : 28 Feb 2025 10:59
Operator : SY/MD
Sample : VY0228SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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



Sample Results: **VY021376.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021376.D
Acq On : 28 Feb 2025 10:59
Operator : SY/MD
Sample : VY0228SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.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\VY022825\
Data File : VY021376.D
Acq On : 28 Feb 2025 10:59
Operator : SY/MD
Sample : VY0228SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY021427.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0306SBL01	SDG No.:	Q1421
Lab Sample ID:	VY0306SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021427.D	1		03/06/25 11:59	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

Raw Data: **VY021427.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0306SBL01	SDG No.:	Q1421
Lab Sample ID:	VY0306SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021427.D	1		03/06/25 11:59	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.4		63 - 155	117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	48.6		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		38 - 136	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	249000	7.707			
540-36-3	1,4-Difluorobenzene	461000	8.616			
3114-55-4	Chlorobenzene-d5	406000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.352			

Raw Data: **VY021427.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0306SBL01	SDG No.:	Q1421
Lab Sample ID:	VY0306SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021427.D	1		03/06/25 11:59	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Time: Mar 07 00:38:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

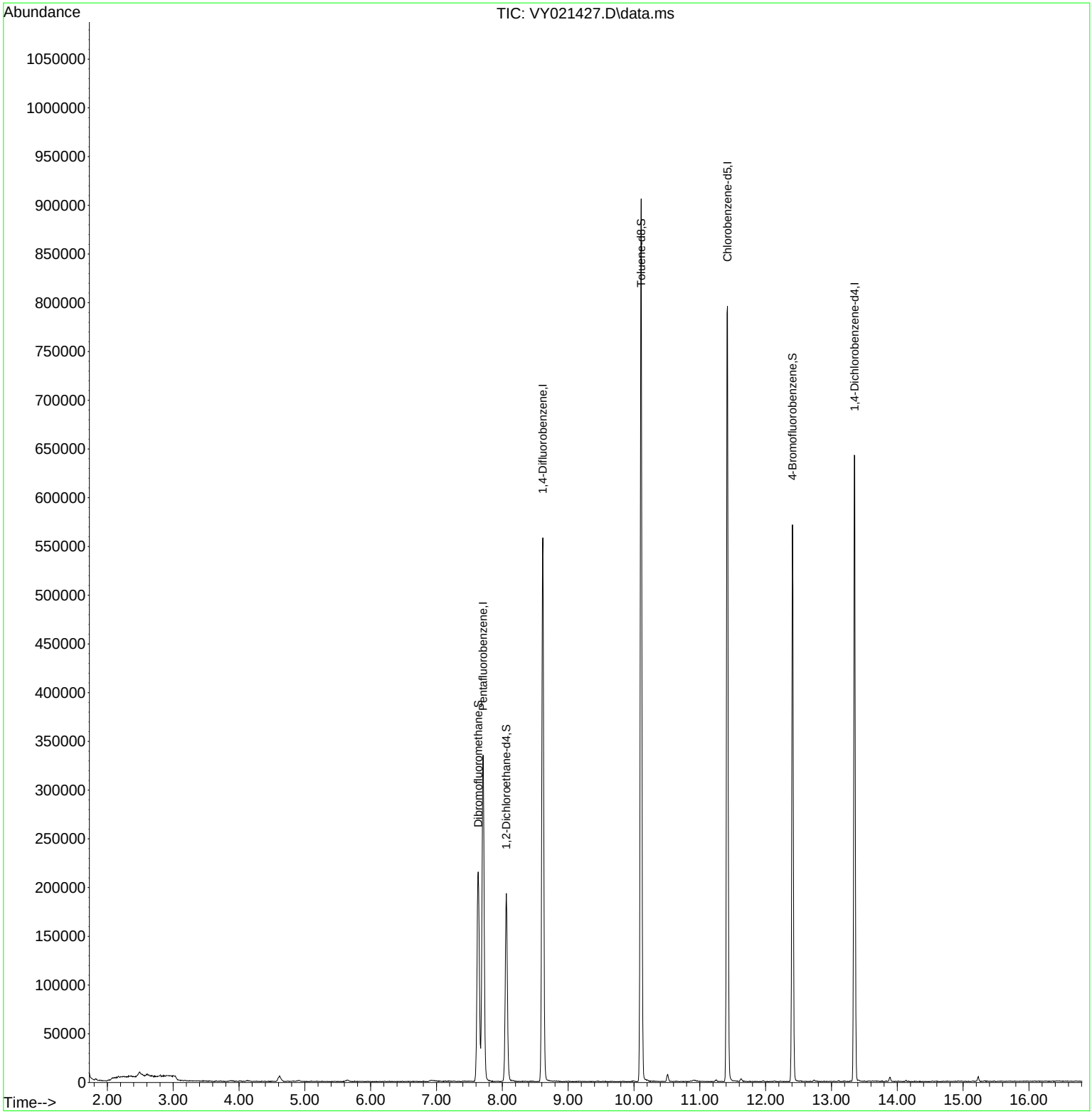
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	249443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	460921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	405928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	156000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154096	58.448	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.900%			
35) Dibromofluoromethane	7.634	113	154971	51.151	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.300%			
50) Toluene-d8	10.109	98	558007	48.643	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.280%			
62) 4-Bromofluorobenzene	12.408	95	170007	43.568	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.140%			
Target Compounds						Qvalue

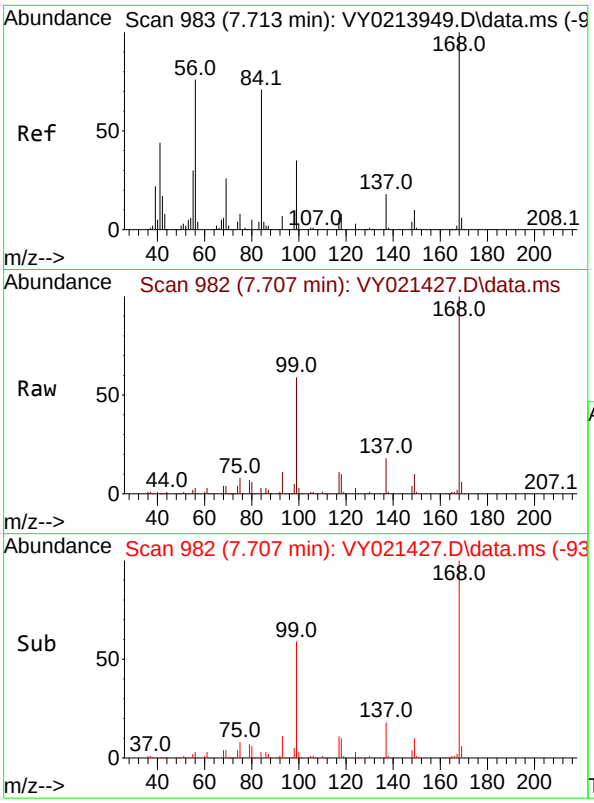
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Time: Mar 07 00:38:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



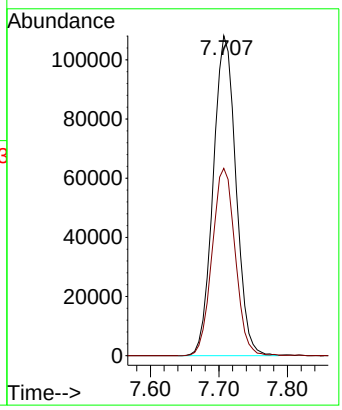


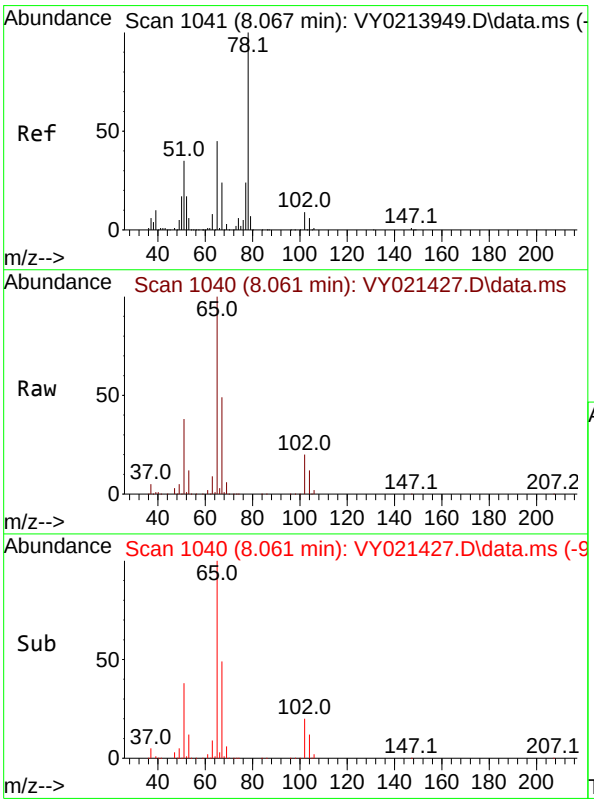
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Tgt Ion:168 Resp: 249443

Ion	Ratio	Lower	Upper
168	100		
99	58.6	46.0	69.0

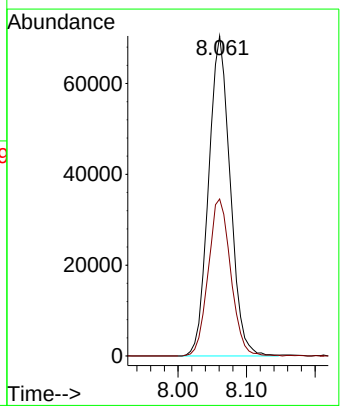


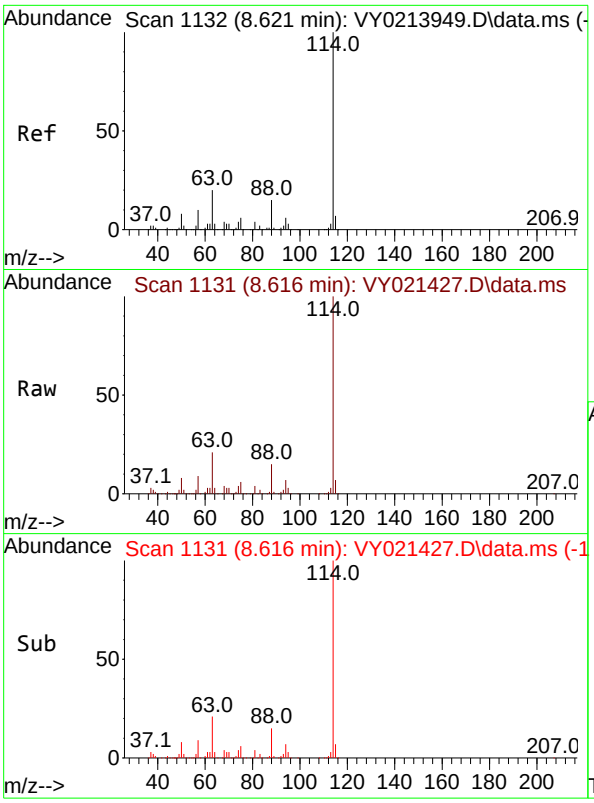


#33
1,2-Dichloroethane-d4
Concen: 58.448 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion: 65 Resp: 154096

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.8



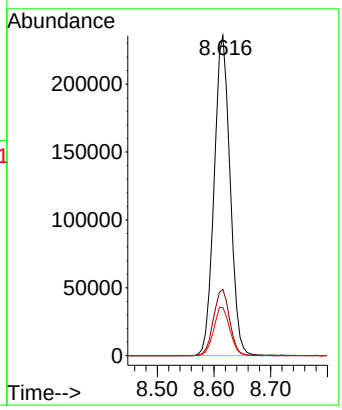


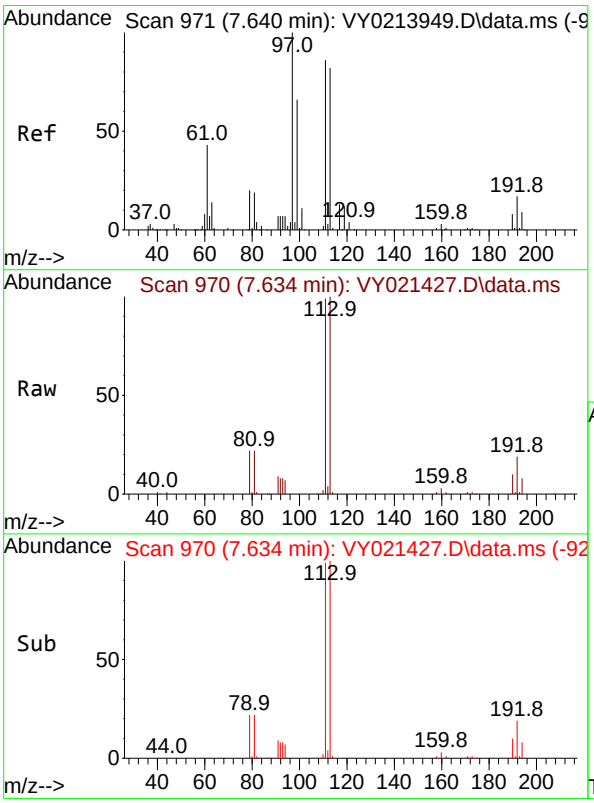
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Tgt Ion:114 Resp: 460921

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.1	0.0	30.8

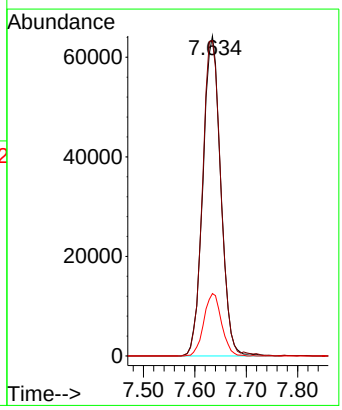


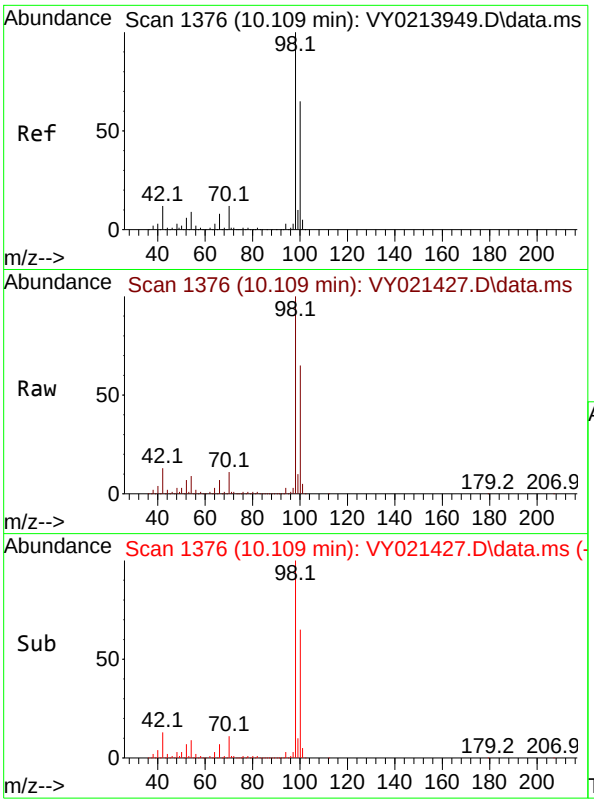


#35
Dibromofluoromethane
Concen: 51.151 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion:113 Resp: 154971

Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.0	123.0
192	19.3	15.9	23.9



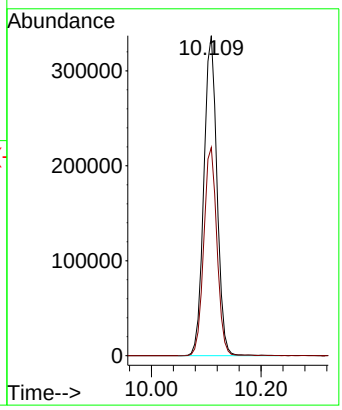


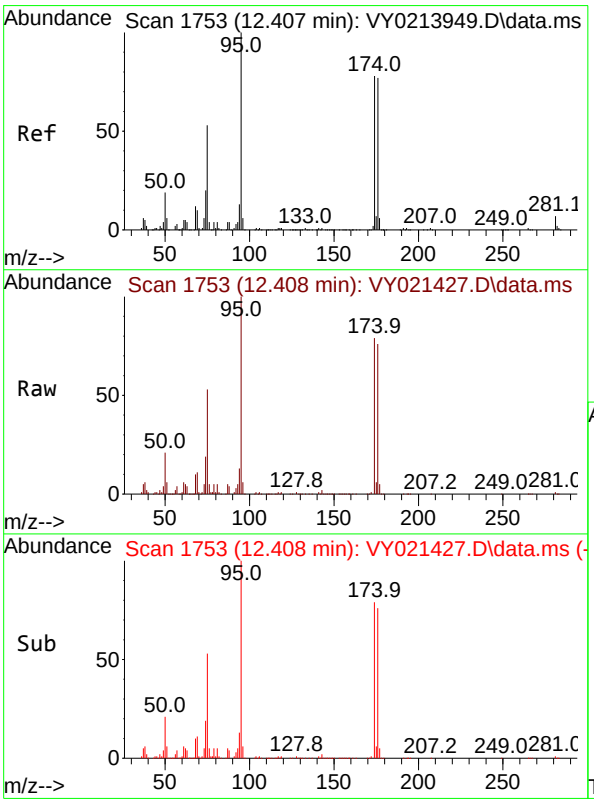
#50
Toluene-d8
Concen: 48.643 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Tgt Ion: 98 Resp: 558007

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1

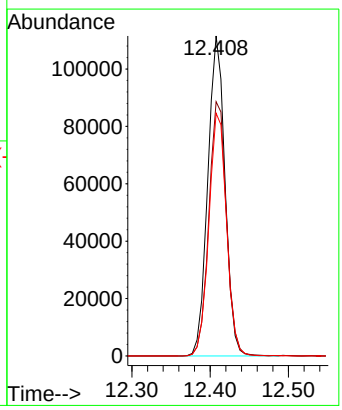


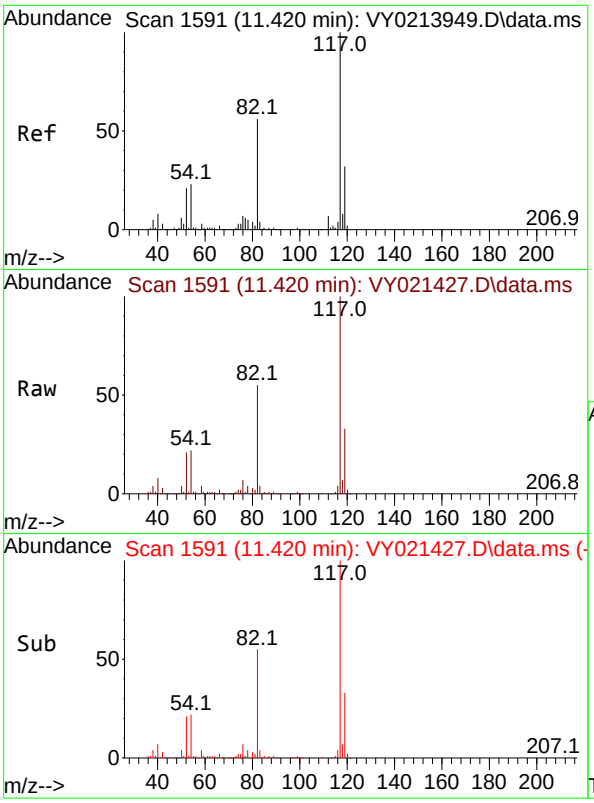


#62
4-Bromofluorobenzene
Concen: 43.568 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion: 95 Resp: 170007

Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	165.0
176	77.8	0.0	160.0



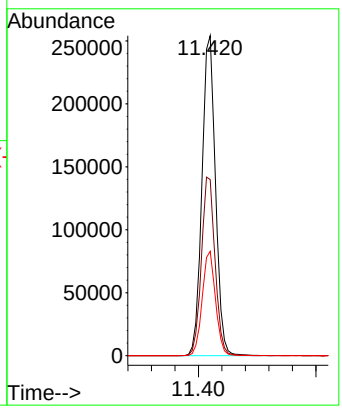


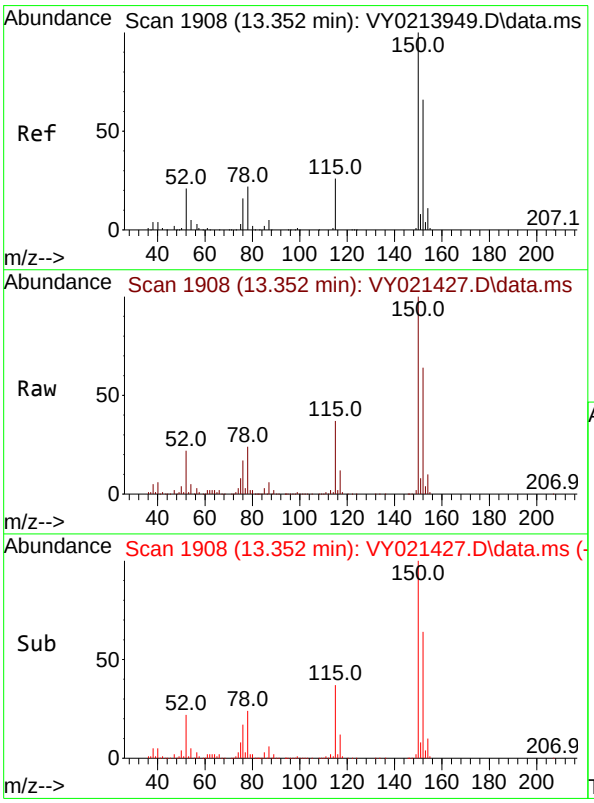
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Tgt Ion:117 Resp: 405928

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	32.6	25.4	38.0

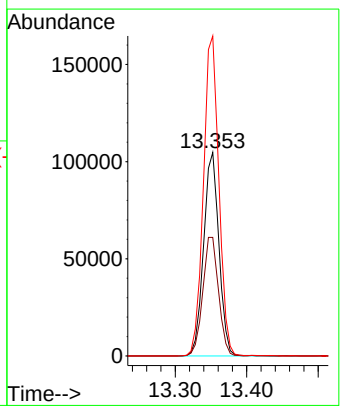




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion:152 Resp: 156000

Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.0	87.0
150	158.2	0.0	347.2



Sample Results: **VY021427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

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\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021427.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.495	117	127	132	rBV5	5042	16150	1.07%	0.213%
2	4.616	465	475	485	rBV4	5719	17642	1.17%	0.233%
3	7.634	960	970	976	rBV2	214988	528018	34.88%	6.966%
4	7.707	976	982	996	rVB	334308	771072	50.93%	10.172%
5	8.061	1027	1040	1051	rBV	193021	432772	28.59%	5.709%
6	8.616	1122	1131	1144	rBV	557966	1109058	73.26%	14.631%
7	10.109	1367	1376	1386	rBV	905768	1513956	100.00%	19.973%
8	11.420	1581	1591	1605	rBV	795449	1300163	85.88%	17.152%
9	12.408	1746	1753	1762	rBV	571400	896843	59.24%	11.831%
10	13.346	1900	1907	1915	rBV	642349	994480	65.69%	13.120%

Sum of corrected areas: 7580154

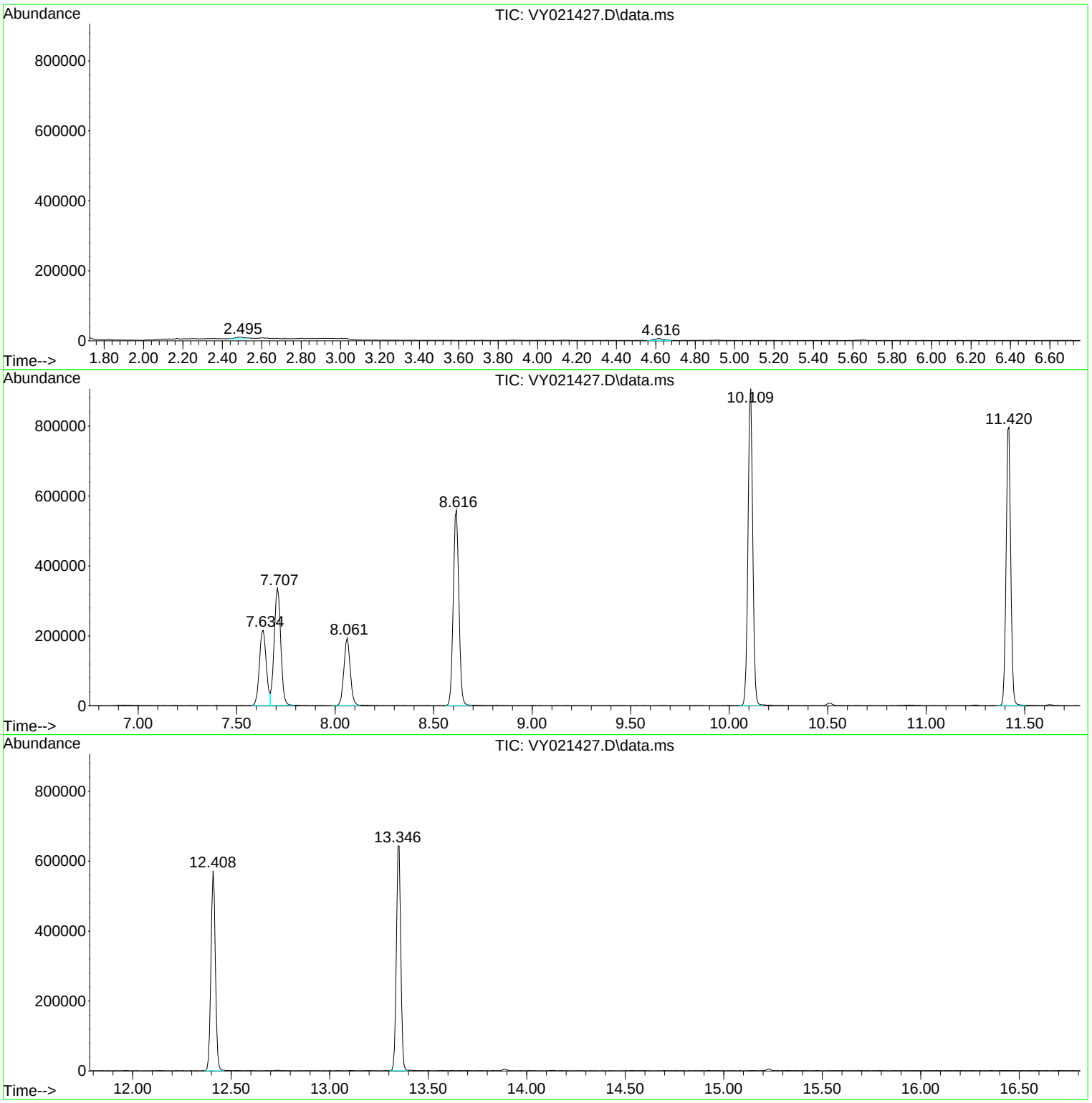
Sample Results: **VY021427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY021427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.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\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY021348.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0227SBS01	SDG No.:	Q1421
Lab Sample ID:	VY0227SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021348.D	1		02/27/25 11:18	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.5		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.3		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.1		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.9		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.2		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.9		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.5		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.1		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	18.3		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.9		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.6		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.5		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.7		0.69	5.00	ug/Kg
78-93-3	2-Butanone	97.4		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.9		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.0		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.0		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.3		0.87	5.00	ug/Kg
71-43-2	Benzene	19.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.0		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.8		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	92.0		4.40	25.0	ug/Kg
108-88-3	Toluene	20.2		0.67	5.00	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0227SBS01	SDG No.:	Q1421
Lab Sample ID:	VY0227SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021348.D	1		02/27/25 11:18	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.5		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.4		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.1		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	95.9		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.5		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.9		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.8		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.4		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.70	5.00	ug/Kg
100-42-5	Styrene	19.8		0.60	5.00	ug/Kg
75-25-2	Bromoform	19.9		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.0		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.8		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.6		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.3		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.9		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	52.3		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		38 - 136	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	7.707			
540-36-3	1,4-Difluorobenzene	312000	8.616			
3114-55-4	Chlorobenzene-d5	272000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	138000	13.346			

Raw Data: **VY021348.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0227SBS01	SDG No.:	Q1421
Lab Sample ID:	VY0227SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021348.D	1		02/27/25 11:18	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021348.D
Acq On : 27 Feb 2025 11:18
Operator : SY/MD
Sample : VY0227SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

Quant Time: Feb 28 00:40:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	199987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	311959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	272418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116027	51.143	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.280%			
35) Dibromofluoromethane	7.628	113	106867	52.252	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.500%			
50) Toluene-d8	10.103	98	413664	52.334	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.660%			
62) 4-Bromofluorobenzene	12.408	95	139307	52.368	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	37086	19.559	ug/l	97
3) Chloromethane	2.068	50	45372	18.528	ug/l	98
4) Vinyl Chloride	2.202	62	46452	19.327	ug/l	97
5) Bromomethane	2.586	94	30476	19.081	ug/l	99
6) Chloroethane	2.733	64	29673	19.908	ug/l	98
7) Trichlorofluoromethane	3.056	101	73497	20.248	ug/l	99
8) Diethyl Ether	3.452	74	20917	19.199	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	42936	20.431	ug/l	99
10) Methyl Iodide	4.001	142	41447	18.746	ug/l	100
11) Tert butyl alcohol	4.860	59	15512	88.893	ug/l	97
12) 1,1-Dichloroethene	3.787	96	39988	19.872	ug/l	94
13) Acrolein	3.647	56	22410	167.586	ug/l	95
14) Allyl chloride	4.379	41	67291	18.861	ug/l	99
15) Acrylonitrile	5.055	53	44168	91.694	ug/l	98
16) Acetone	3.866	43	46430	106.690	ug/l	99
17) Carbon Disulfide	4.104	76	123567	18.493	ug/l	100
18) Methyl Acetate	4.385	43	19413	18.253	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	101763	19.141	ug/l	99
20) Methylene Chloride	4.616	84	46825	19.898	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	43373	19.580	ug/l	97
22) Diisopropyl ether	6.019	45	143470	19.433	ug/l	98
23) Vinyl Acetate	5.958	43	413611	93.754	ug/l	99
24) 1,1-Dichloroethane	5.909	63	81302	19.539	ug/l	98
25) 2-Butanone	6.890	43	63968	97.394	ug/l	99
26) 2,2-Dichloropropane	6.878	77	75215	19.921	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	49301	19.490	ug/l	99
28) Bromochloromethane	7.244	49	34908	18.960	ug/l	99
29) Tetrahydrofuran	7.262	42	39410	91.797	ug/l	99
30) Chloroform	7.421	83	84823	20.118	ug/l	98
31) Cyclohexane	7.701	56	74866	18.717	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	76848	20.024	ug/l	98
36) 1,1-Dichloropropene	7.835	75	60971	19.846	ug/l	99
37) Ethyl Acetate	6.988	43	28033	18.344	ug/l	97
38) Carbon Tetrachloride	7.817	117	68822	19.927	ug/l	98
39) Methylcyclohexane	9.109	83	74844	19.261	ug/l	97
40) Benzene	8.079	78	180639	19.891	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021348.D
Acq On : 27 Feb 2025 11:18
Operator : SY/MD
Sample : VY0227SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 28 00:40:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	17060m	19.967	ug/l		
42) 1,2-Dichloroethane	8.158	62	52273	20.288	ug/l		99
43) Isopropyl Acetate	8.195	43	54717	18.499	ug/l		99
44) Trichloroethene	8.866	130	45500	20.012	ug/l		97
45) 1,2-Dichloropropane	9.140	63	43265	19.796	ug/l		96
46) Dibromomethane	9.231	93	23940	20.039	ug/l		100
47) Bromodichloromethane	9.420	83	64230	20.164	ug/l		97
48) Methyl methacrylate	9.219	41	24954	18.041	ug/l		97
49) 1,4-Dioxane	9.225	88	4987	375.432	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	139296	91.997	ug/l		99
52) Toluene	10.170	92	114108	20.226	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	56809	19.466	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	66736	19.370	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	31323	20.127	ug/l		98
56) Ethyl methacrylate	10.438	69	41028	19.079	ug/l		97
57) 1,3-Dichloropropane	10.713	76	54720	20.037	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	96301	93.300	ug/l		99
59) 2-Hexanone	10.762	43	95328	95.864	ug/l		100
60) Dibromochloromethane	10.914	129	41937	19.786	ug/l		99
61) 1,2-Dibromoethane	11.012	107	28803	19.549	ug/l		98
64) Tetrachloroethene	10.646	164	40978	19.901	ug/l		97
65) Chlorobenzene	11.438	112	121107	19.805	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	43712	20.415	ug/l		100
67) Ethyl Benzene	11.518	91	217521	20.082	ug/l		98
68) m/p-Xylenes	11.627	106	164558	40.391	ug/l		100
69) o-Xylene	11.956	106	75583	19.803	ug/l		99
70) Styrene	11.969	104	125803	19.811	ug/l		99
71) Bromoform	12.133	173	24353	19.881	ug/l	#	99
73) Isopropylbenzene	12.255	105	206205	19.845	ug/l		99
74) N-amyl acetate	12.072	43	47320	17.916	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34737	18.942	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	25901m	18.722	ug/l		
77) Bromobenzene	12.530	156	47735	19.751	ug/l		97
78) n-propylbenzene	12.597	91	251702	19.962	ug/l		100
79) 2-Chlorotoluene	12.682	91	142369	19.674	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	170506	20.007	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	11755	18.885	ug/l		99
82) 4-Chlorotoluene	12.780	91	149541	19.935	ug/l		99
83) tert-Butylbenzene	12.999	119	154147	20.024	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	170349	20.098	ug/l		100
85) sec-Butylbenzene	13.176	105	225031	20.012	ug/l		99
86) p-Isopropyltoluene	13.292	119	187791	20.000	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	95671	20.011	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	93607	19.820	ug/l		98
89) n-Butylbenzene	13.621	91	175070	19.813	ug/l		100
90) Hexachloroethane	13.883	117	38407	19.583	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	82275	19.642	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5427	18.707	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	46899	18.345	ug/l		99
94) Hexachlorobutadiene	15.029	225	31841	19.783	ug/l		100
95) Naphthalene	15.145	128	73424	17.339	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	40776	18.878	ug/l		97

Sample Results: **VY021348.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021348.D
Acq On : 27 Feb 2025 11:18
Operator : SY/MD
Sample : VY0227SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 28 00:40:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

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

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

Sample Results: **VY021348.D**

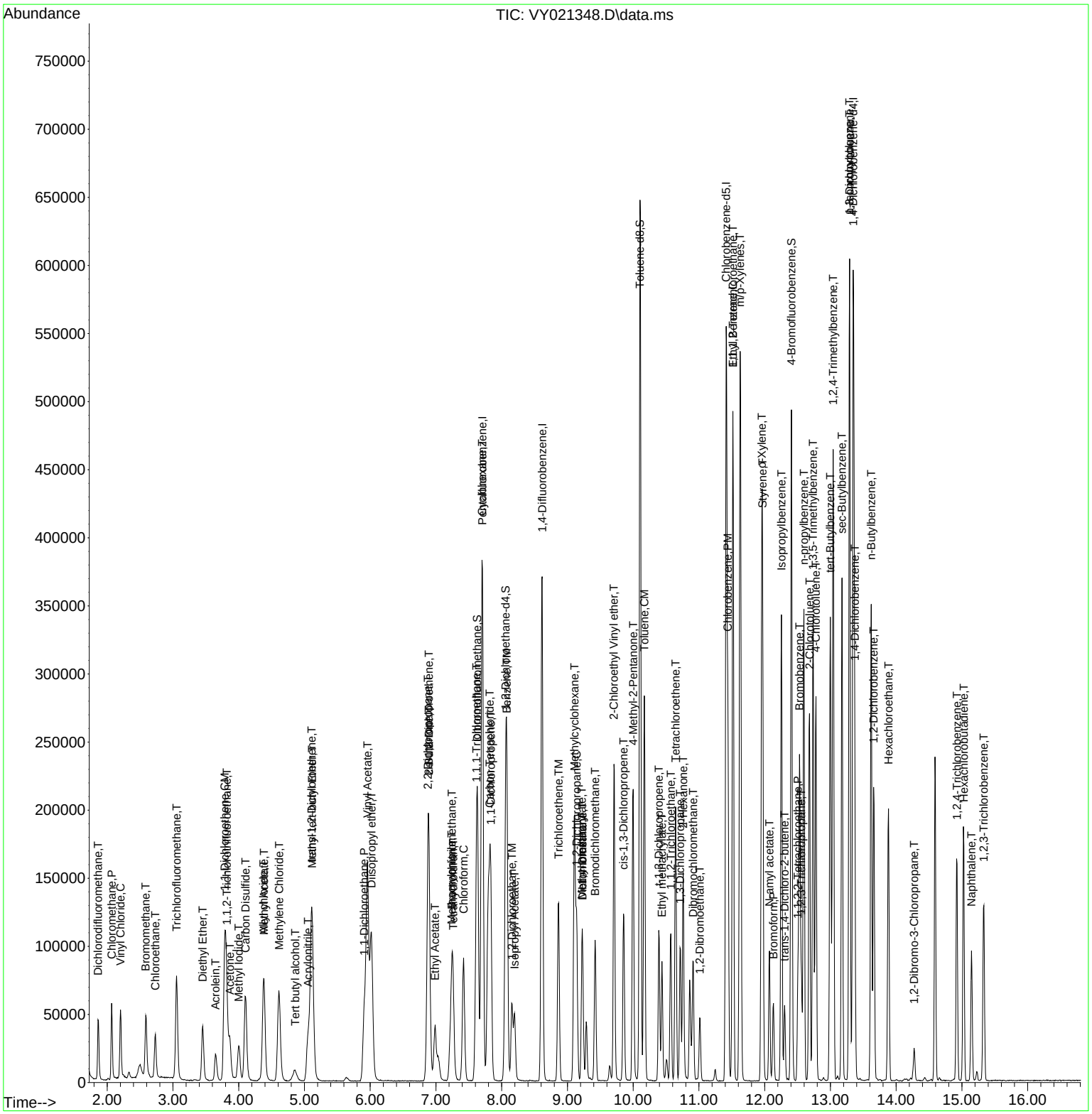
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021348.D
Acq On : 27 Feb 2025 11:18
Operator : SY/MD
Sample : VY0227SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

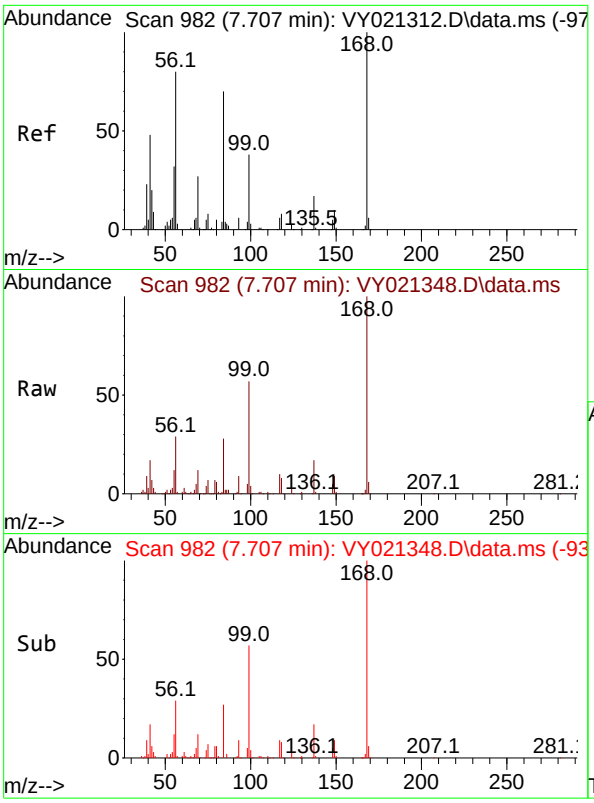
Quant Time: Feb 28 00:40:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

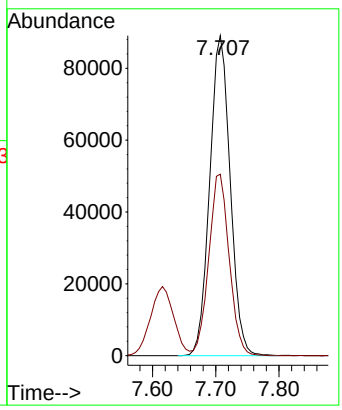




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:168 Resp: 19998

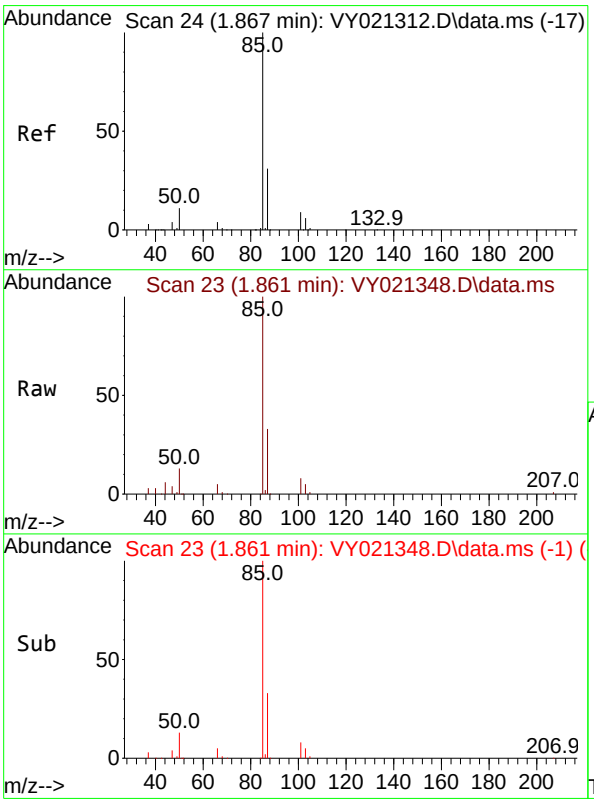
Ion	Ratio	Lower	Upper
168	100		
99	56.7	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

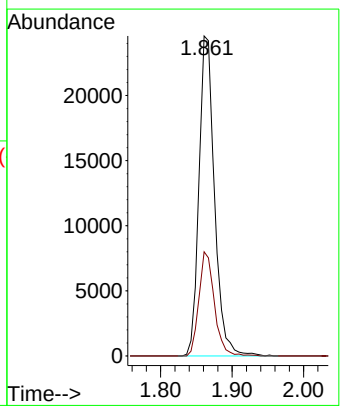
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

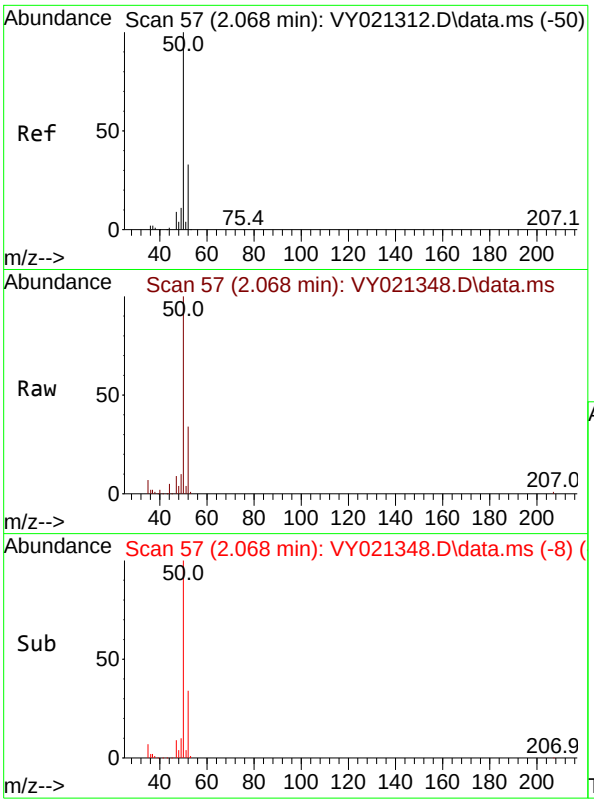


#2
Dichlorodifluoromethane
Concen: 19.559 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 85 Resp: 37086

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4

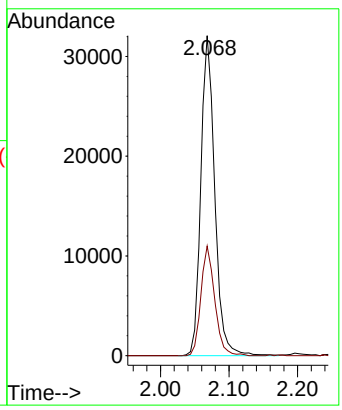




#3
Chloromethane
Concen: 18.528 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 50 Resp: 4537

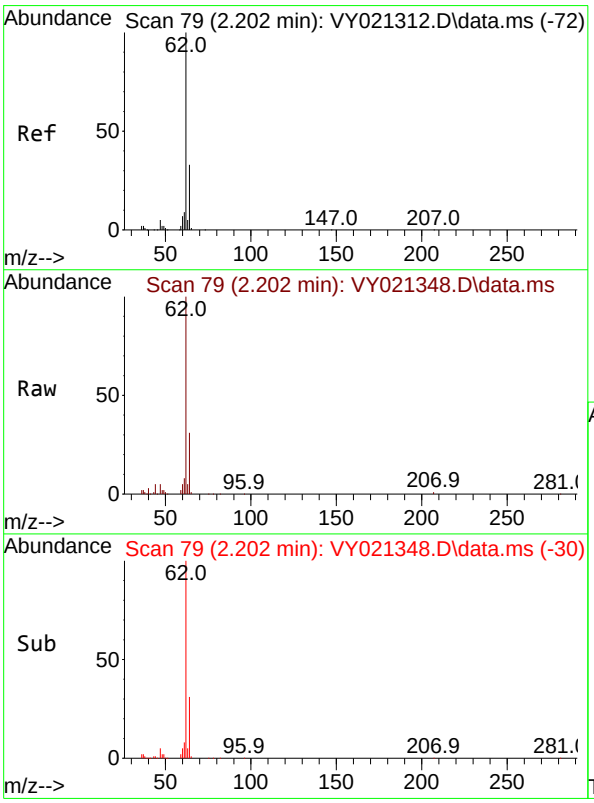
Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

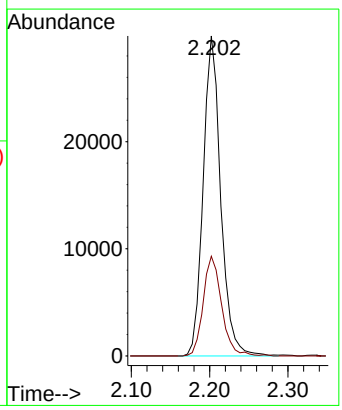
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

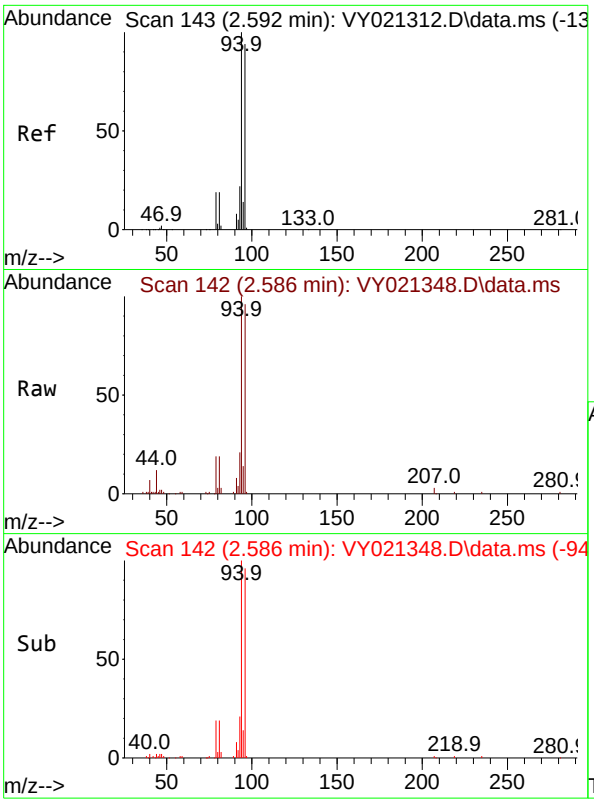


#4
Vinyl Chloride
Concen: 19.327 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 62 Resp: 46452

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.3	39.5

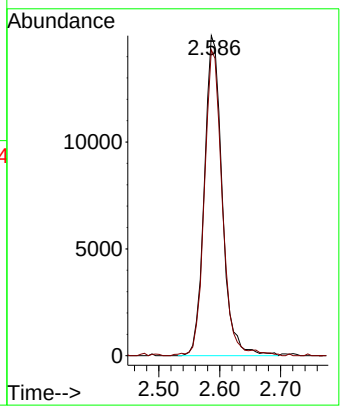




#5
Bromomethane
Concen: 19.081 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 94 Resp: 3047(

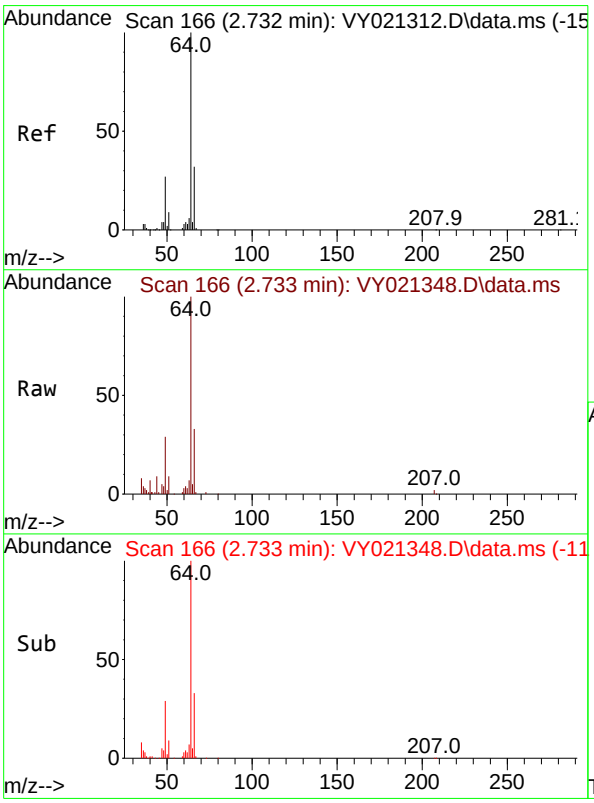
Ion	Ratio	Lower	Upper
94	100		
96	95.1	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

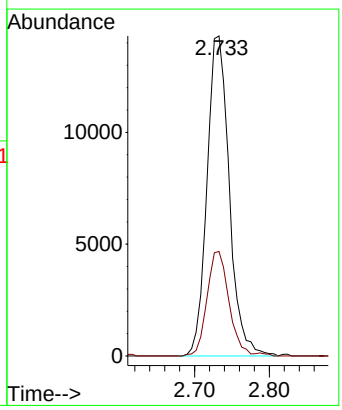
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

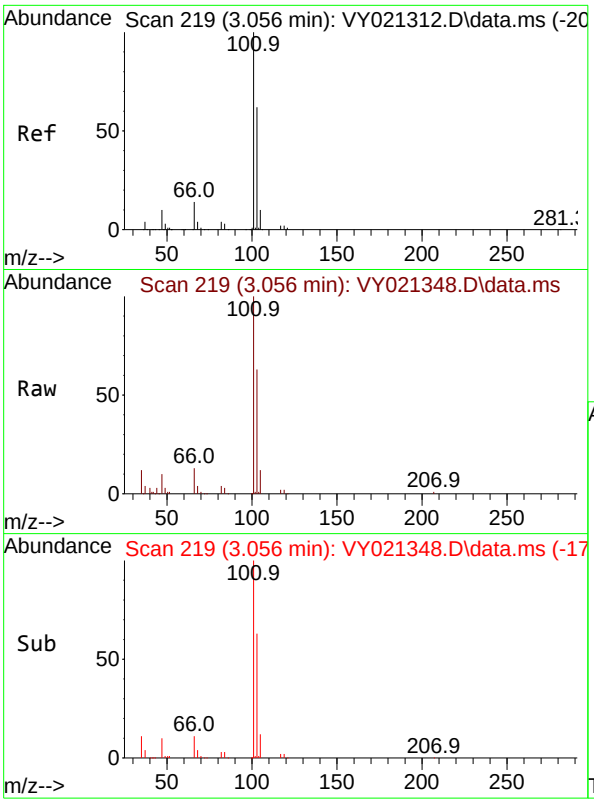


#6
Chloroethane
Concen: 19.908 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 64 Resp: 29673

Ion	Ratio	Lower	Upper
64	100		
66	32.7	25.4	38.0

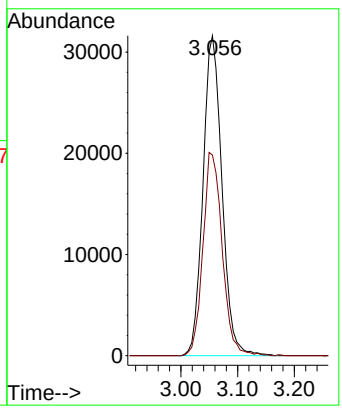




#7
Trichlorofluoromethane
Concen: 20.248 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:101 Resp: 7349

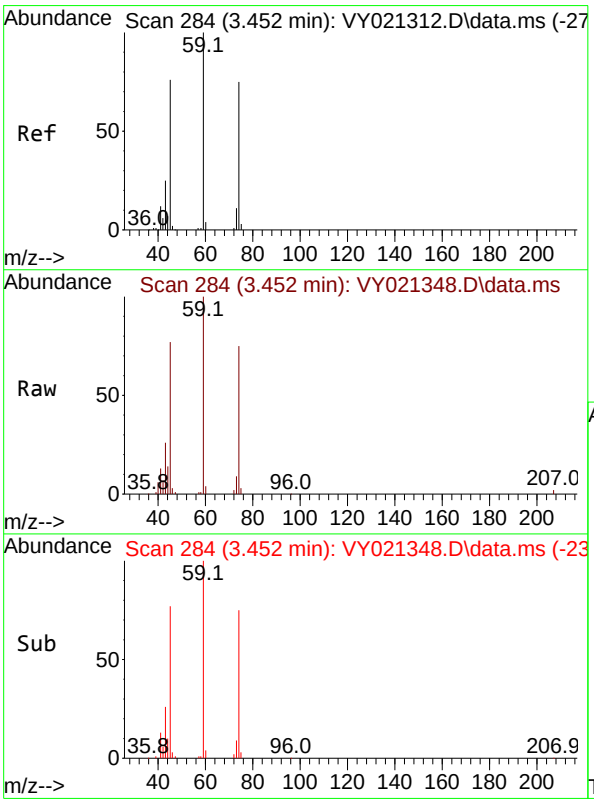
Ion	Ratio	Lower	Upper
101	100		
103	62.7	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

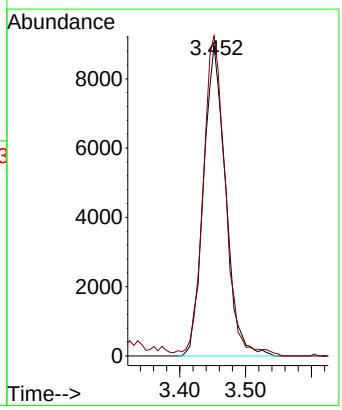
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

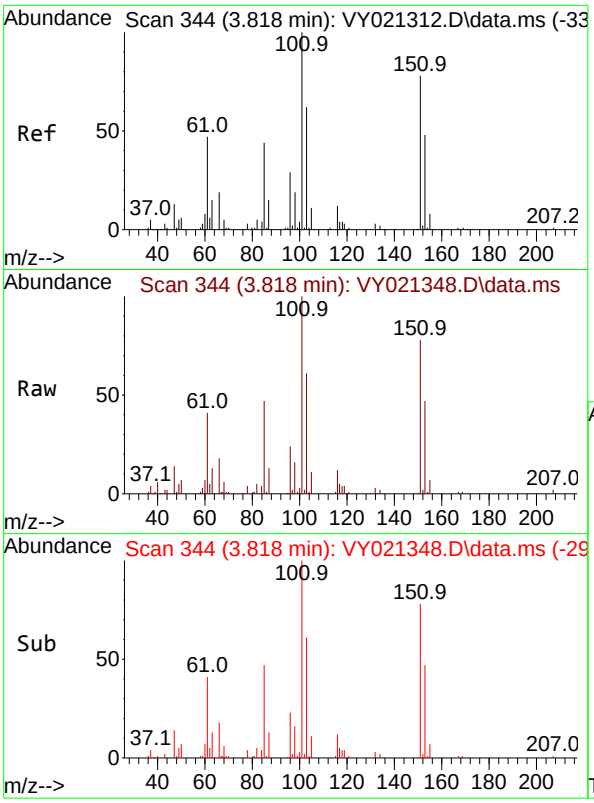


#8
Diethyl Ether
Concen: 19.199 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 74 Resp: 20917

Ion	Ratio	Lower	Upper
74	100		
45	103.5	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.431 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

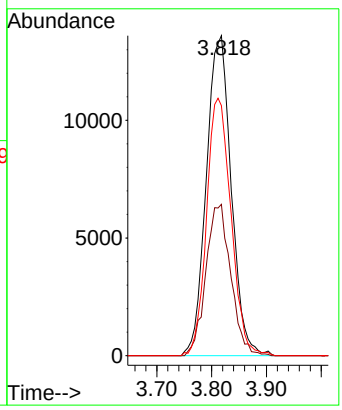
Tgt Ion:101 Resp: 4293

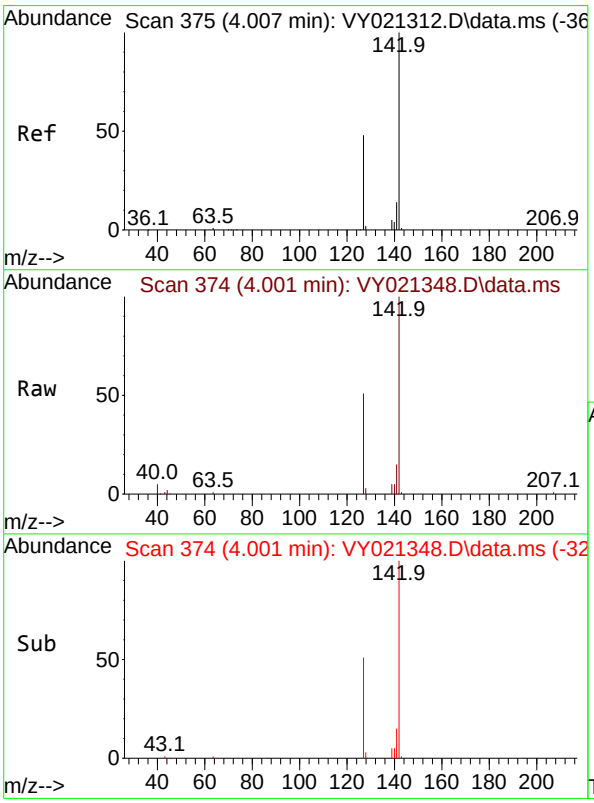
Ion	Ratio	Lower	Upper
101	100		
85	47.2	36.7	55.1
151	79.0	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

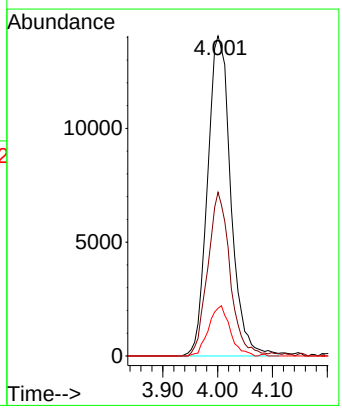


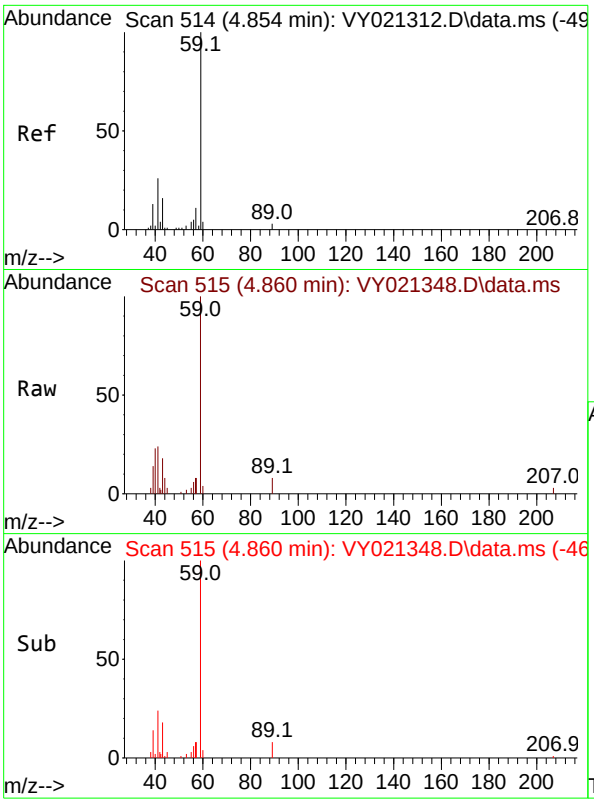


#10
Methyl Iodide
Concen: 18.746 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:142 Resp: 41447

Ion	Ratio	Lower	Upper
142	100		
127	49.0	39.2	58.8
141	14.5	11.4	17.2

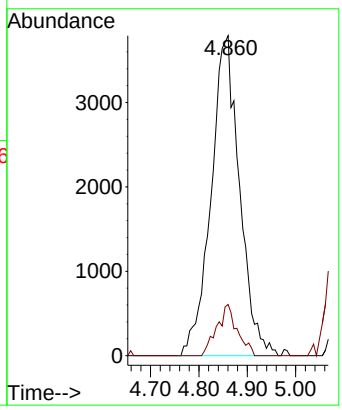




#11
Tert butyl alcohol
Concen: 88.893 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 59 Resp: 1551

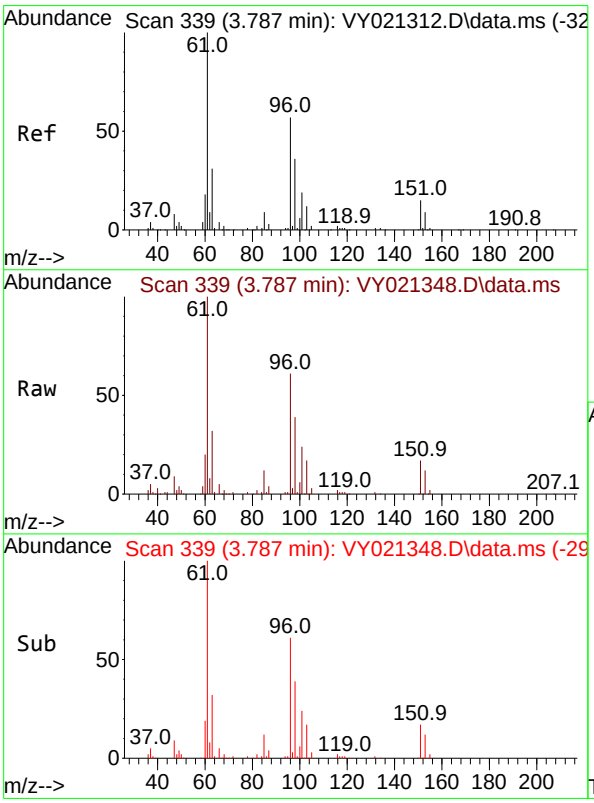
Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

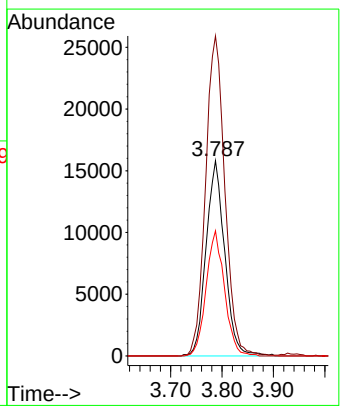
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

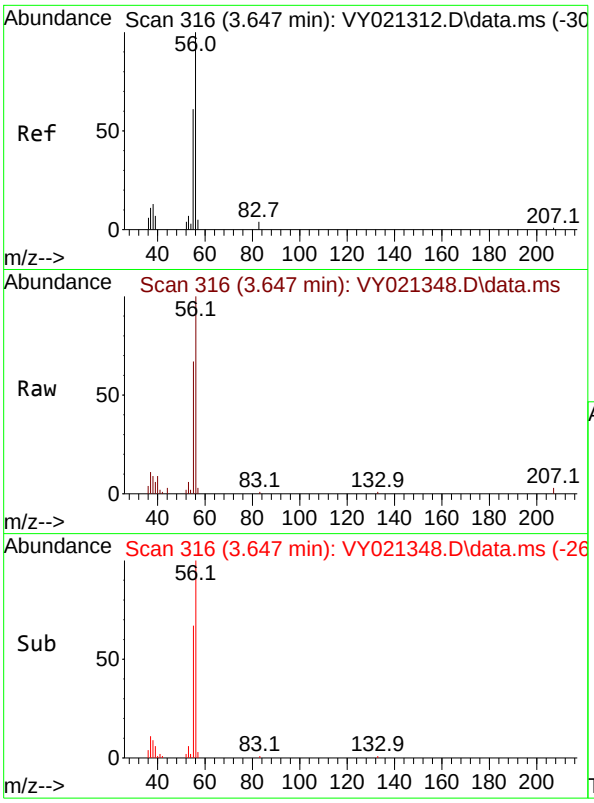


#12
1,1-Dichloroethene
Concen: 19.872 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 96 Resp: 39988

Ion	Ratio	Lower	Upper
96	100		
61	164.0	139.7	209.5
98	64.1	49.7	74.5

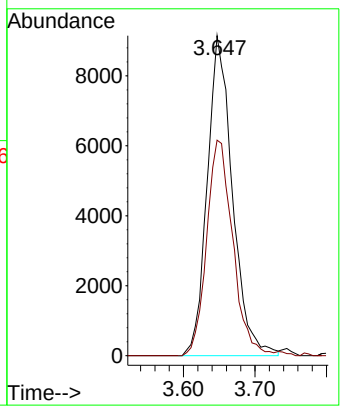




#13
Acrolein
Concen: 167.586 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 56 Resp: 2241

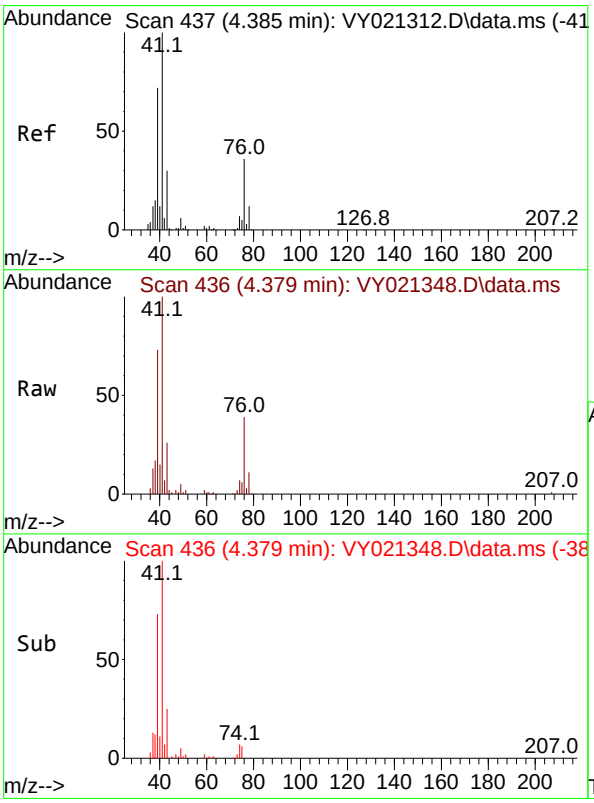
Ion	Ratio	Lower	Upper
56	100		
55	69.6	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

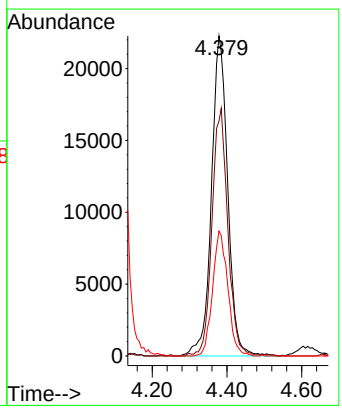
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

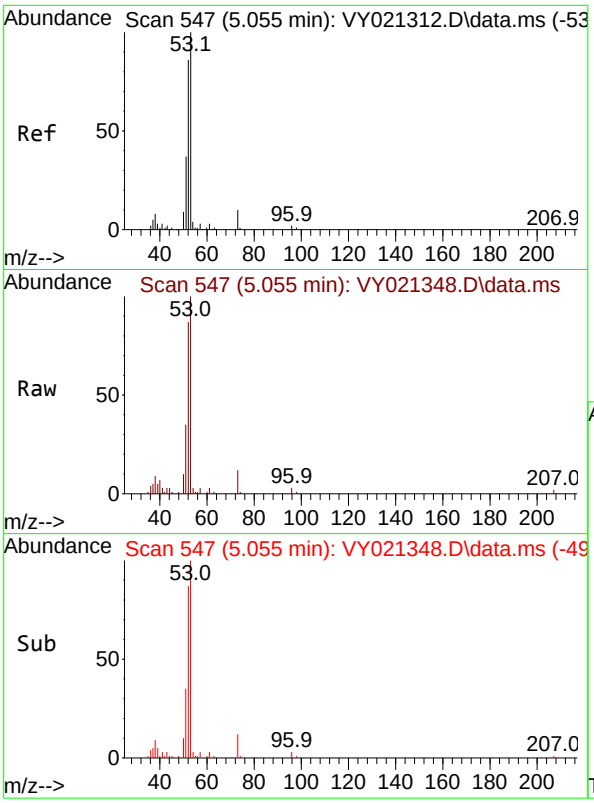


#14
Allyl chloride
Concen: 18.861 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 41 Resp: 67291

Ion	Ratio	Lower	Upper
41	100		
39	75.4	60.0	90.0
76	36.6	29.0	43.6

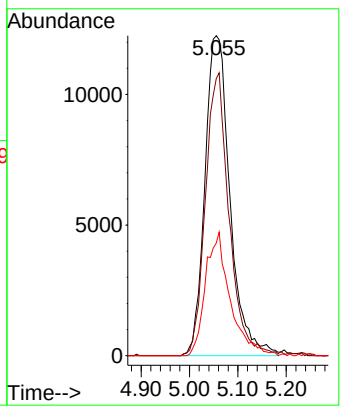




#15
Acrylonitrile
Concen: 91.694 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 53 Resp: 4416

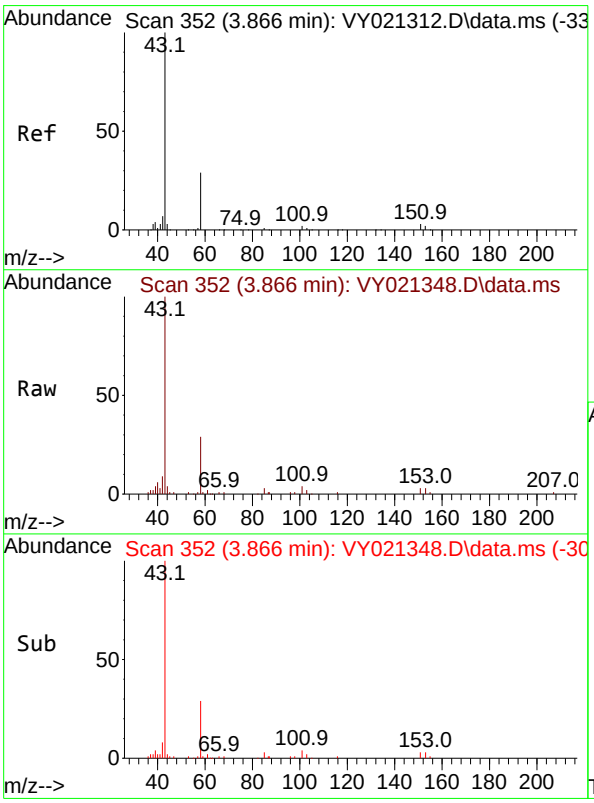
Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.5	98.3
51	37.9	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

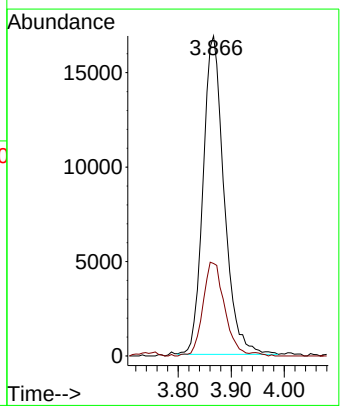
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

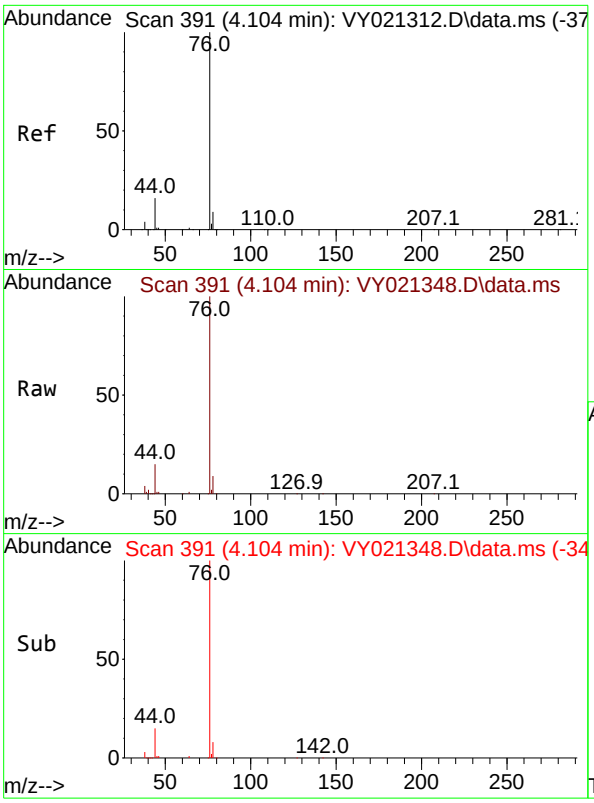


#16
Acetone
Concen: 106.690 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 43 Resp: 46430

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.5	35.3





#17
Carbon Disulfide
Concen: 18.493 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

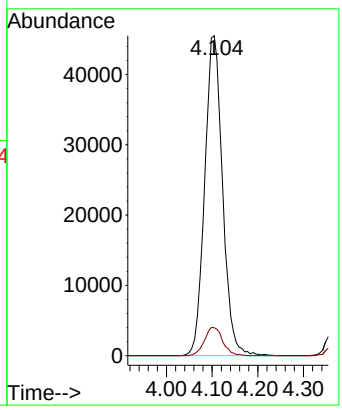
Tgt Ion: 76 Resp: 12356

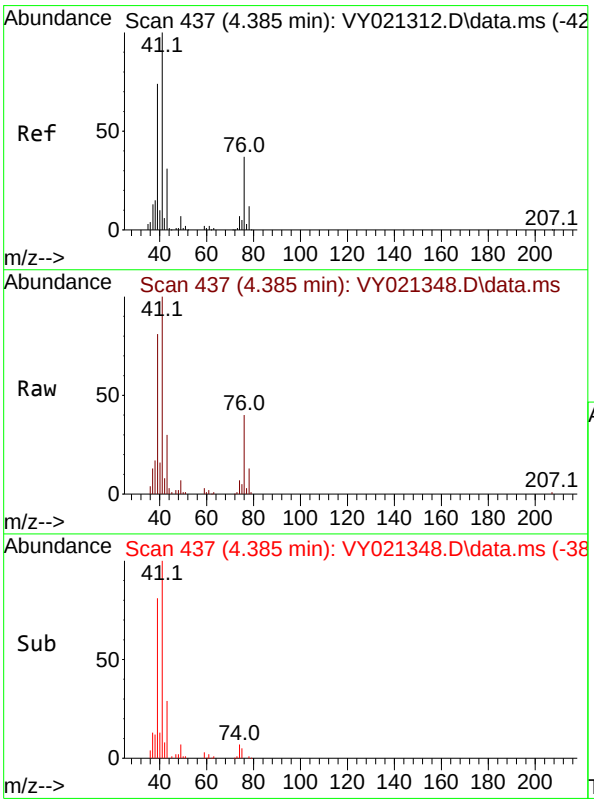
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

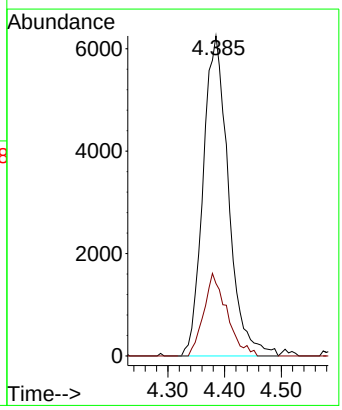


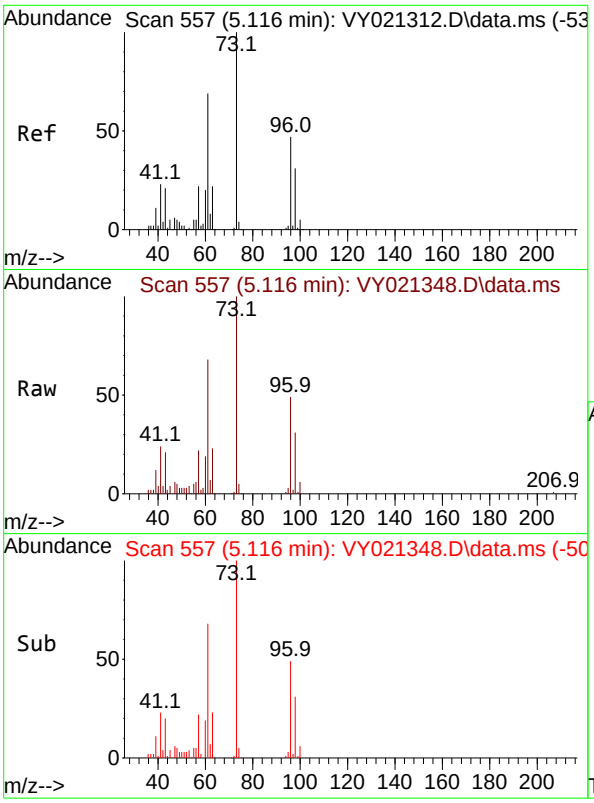


#18
Methyl Acetate
Concen: 18.253 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 43 Resp: 19413

Ion	Ratio	Lower	Upper
43	100		
74	23.6	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 19.141 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

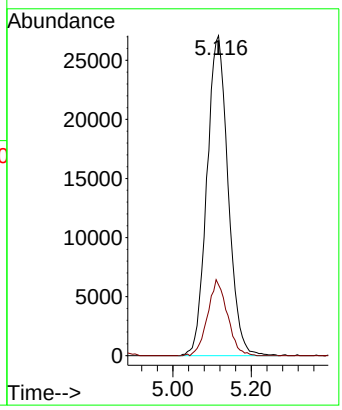
Tgt Ion: 73 Resp: 10176

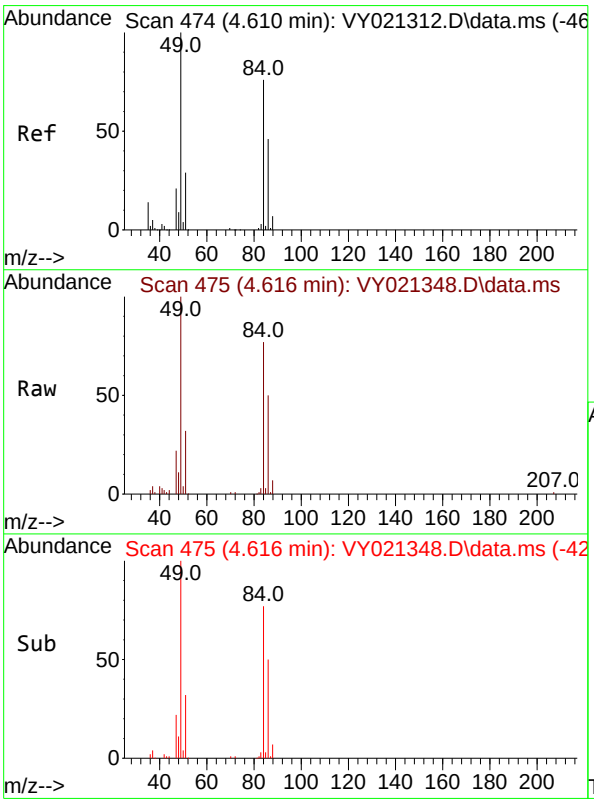
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

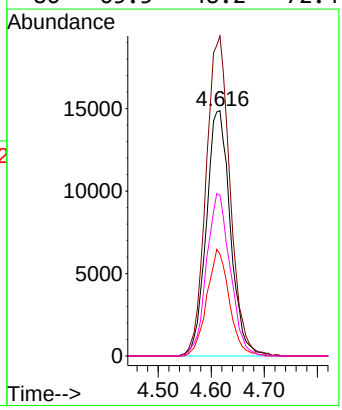


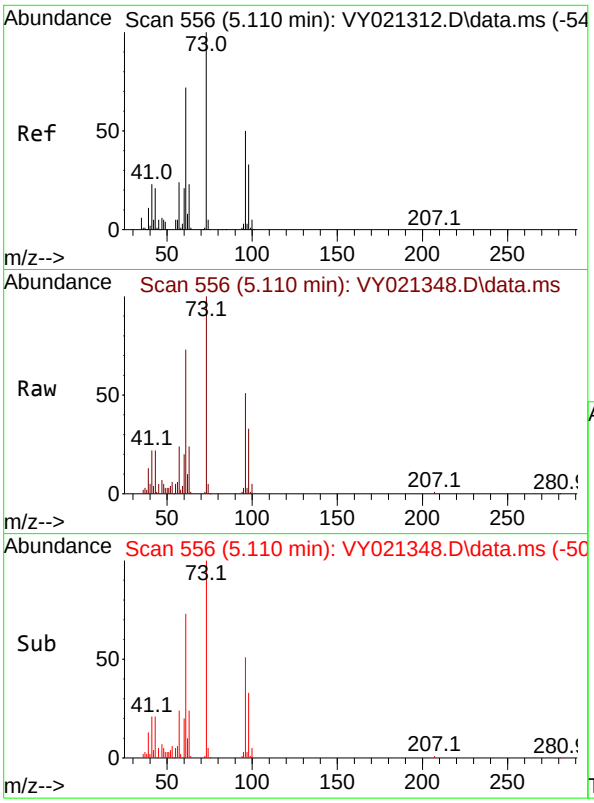


#20
Methylene Chloride
Concen: 19.898 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 84 Resp: 46825

Ion	Ratio	Lower	Upper
84	100		
49	130.5	105.1	157.7
51	41.5	31.0	46.4
86	65.5	48.2	72.4

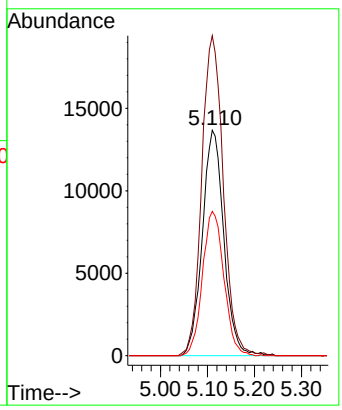




#21
trans-1,2-Dichloroethene
Concen: 19.580 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 96 Resp: 4337

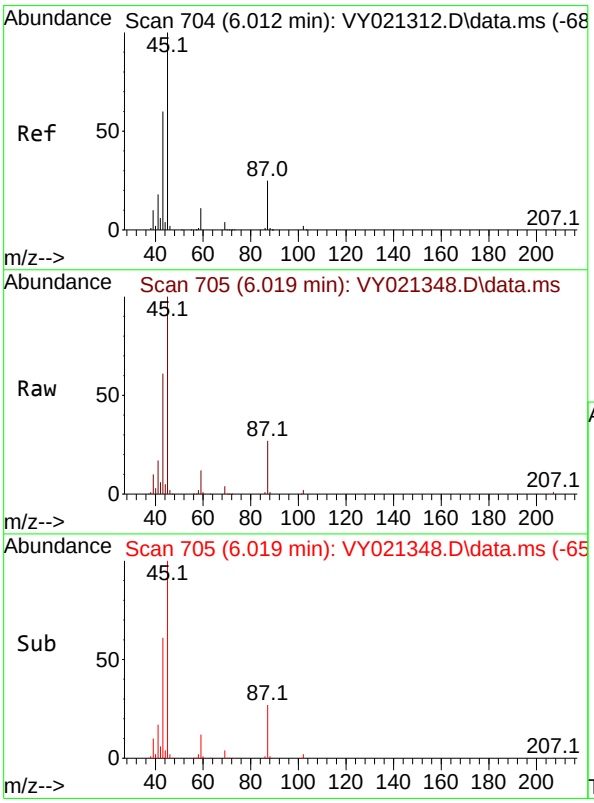
Ion	Ratio	Lower	Upper
96	100		
61	141.9	116.3	174.5
98	64.0	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

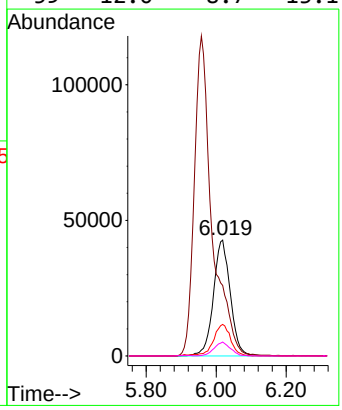
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

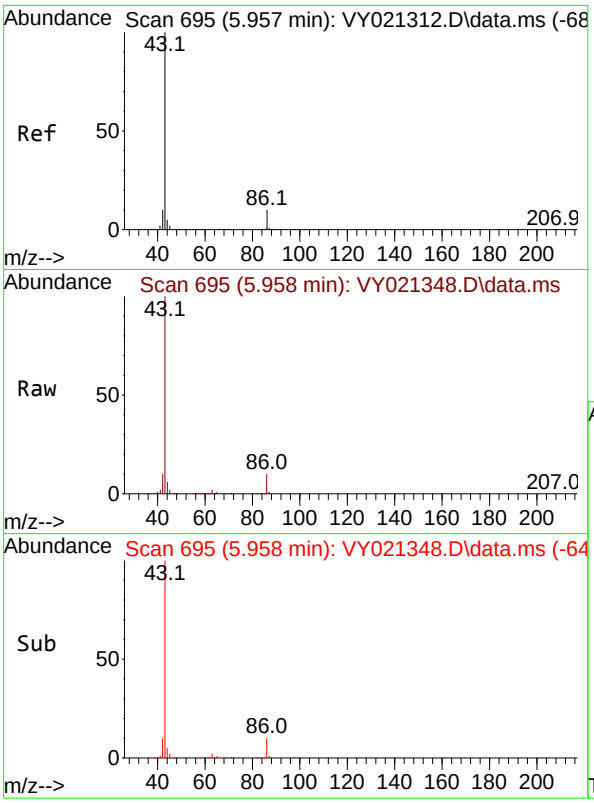


#22
Diisopropyl ether
Concen: 19.433 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 45 Resp: 143470

Ion	Ratio	Lower	Upper
45	100		
43	60.8	48.2	72.4
87	27.2	20.3	30.5
59	12.0	8.7	13.1





#23
Vinyl Acetate
Concen: 93.754 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

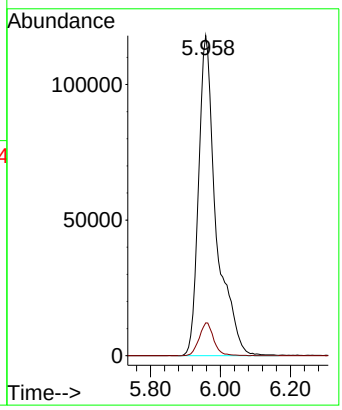
Tgt Ion: 43 Resp: 41361

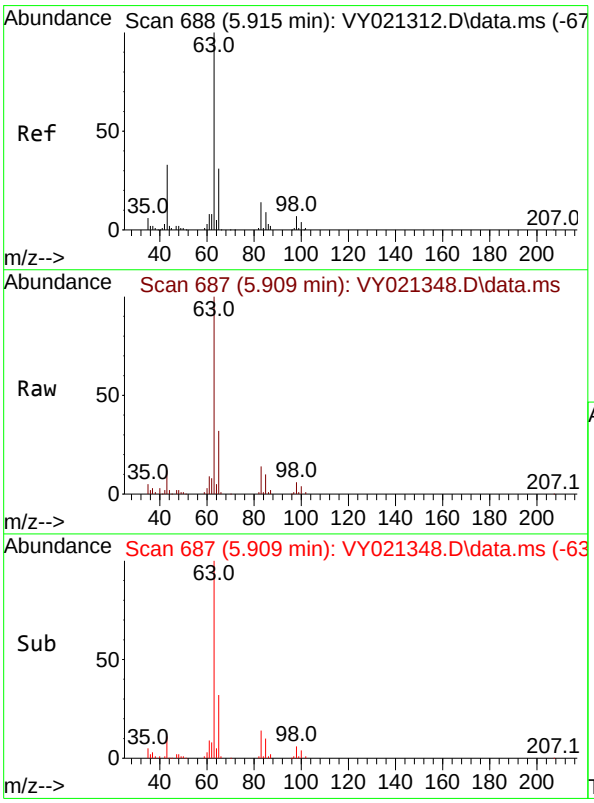
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

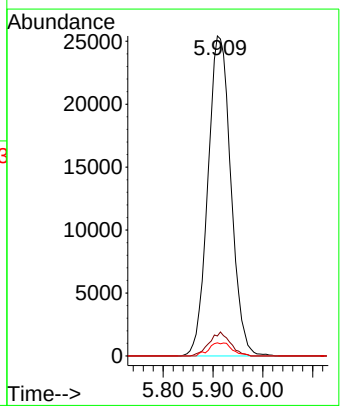


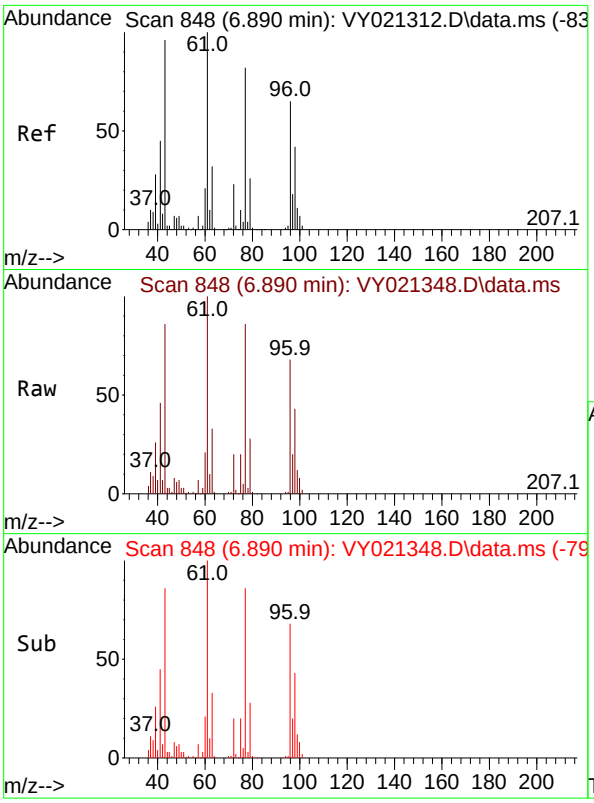


#24
1,1-Dichloroethane
Concen: 19.539 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 63 Resp: 81302

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.7	11.1
100	4.1	2.1	6.5





#25
2-Butanone
Concen: 97.394 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

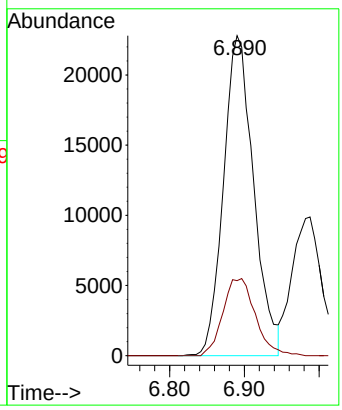
Tgt Ion: 43 Resp: 6396

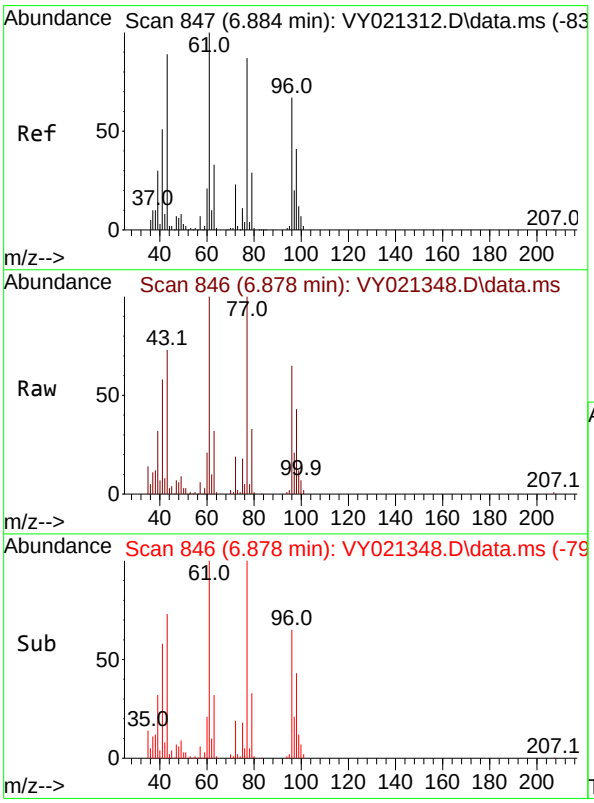
Ion	Ratio	Lower	Upper
43	100		
72	23.4	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

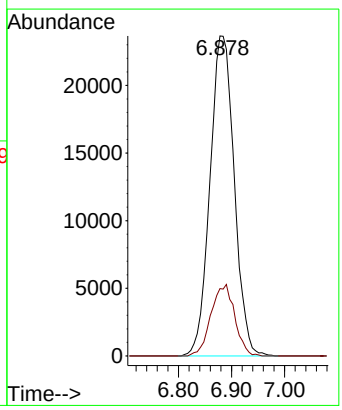


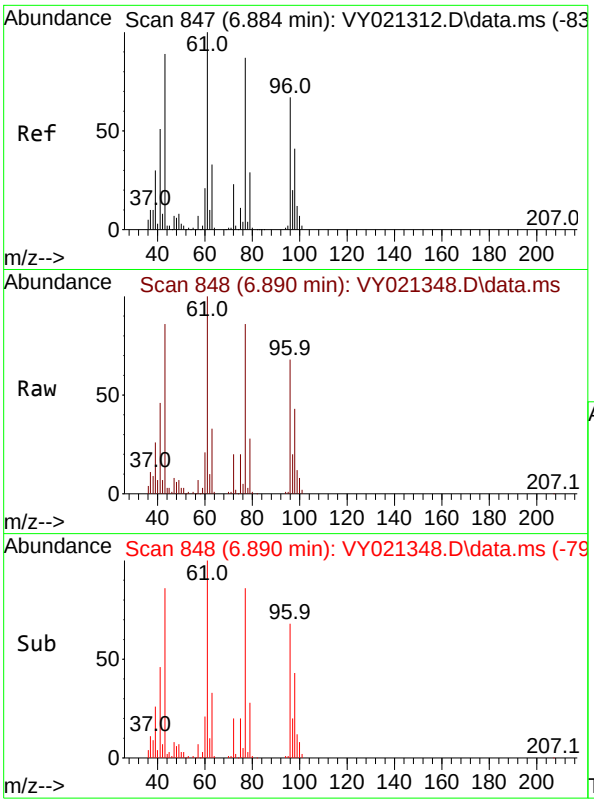


#26
2,2-Dichloropropane
Concen: 19.921 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 77 Resp: 75215

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

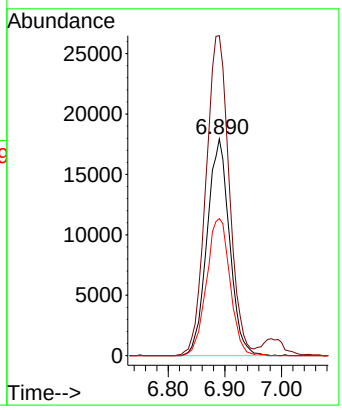




#27
cis-1,2-Dichloroethene
Concen: 19.490 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 96 Resp: 4930

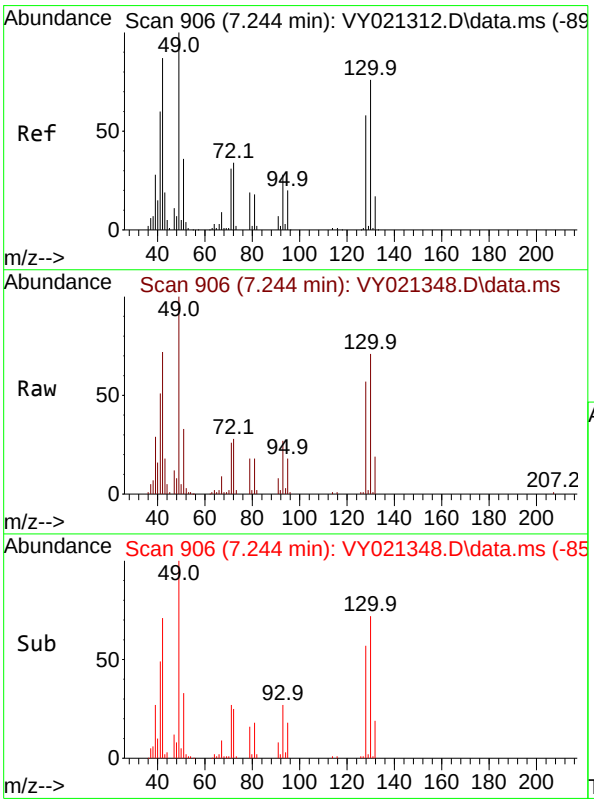
Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	308.0
98	66.1	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

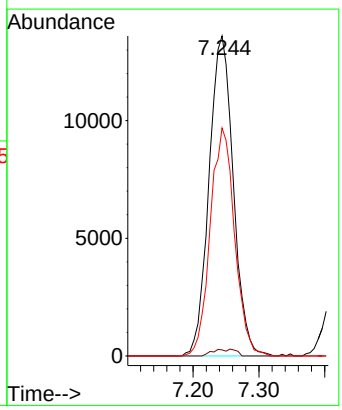
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

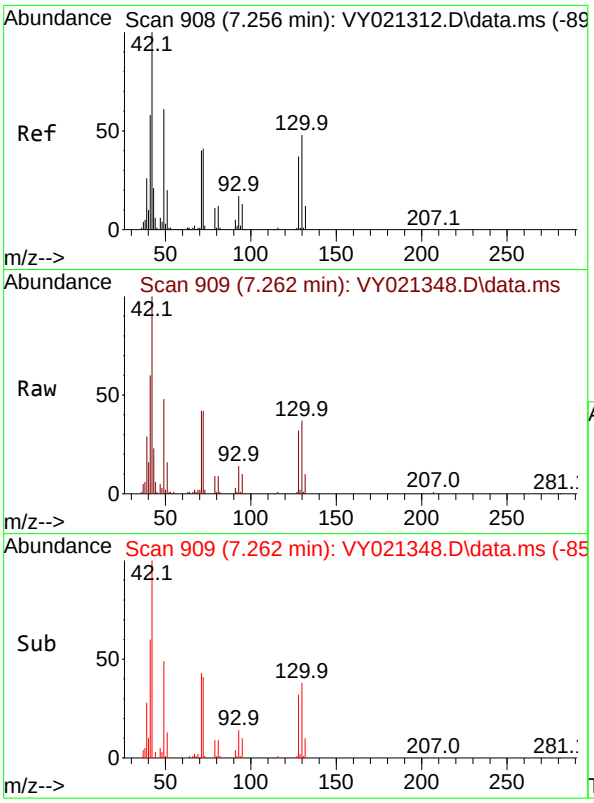


#28
Bromochloromethane
Concen: 18.960 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 49 Resp: 34908

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	71.5	57.8	86.6





#29
Tetrahydrofuran
Concen: 91.797 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

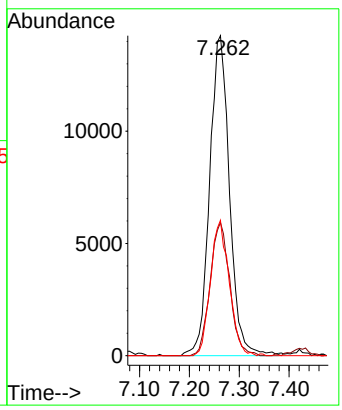
Tgt Ion: 42 Resp: 3941

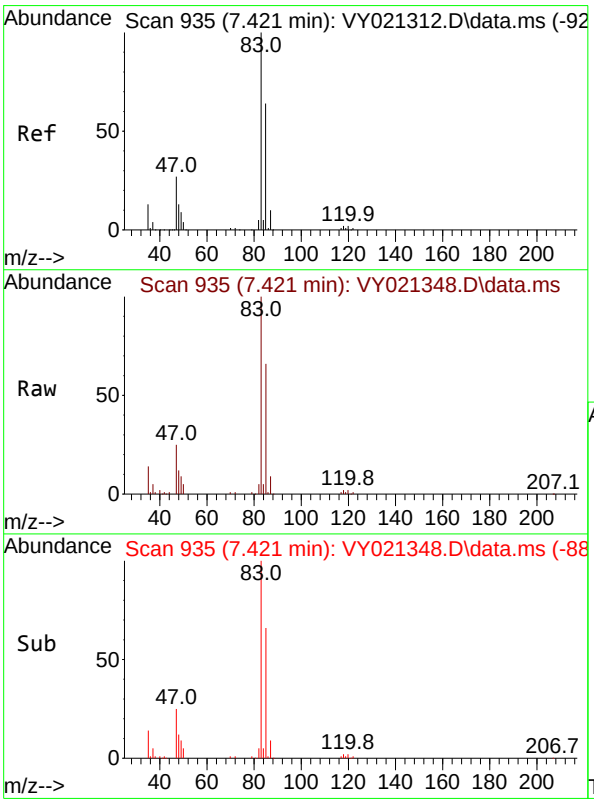
Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.1	49.7
71	40.0	31.4	47.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

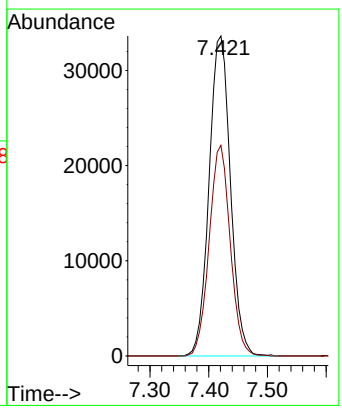


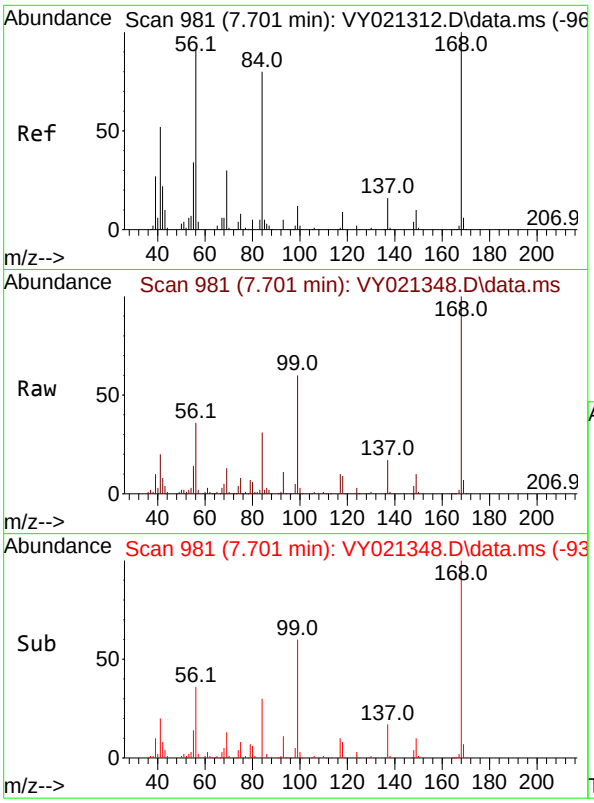


#30
Chloroform
Concen: 20.118 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 83 Resp: 84823

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.6	77.4

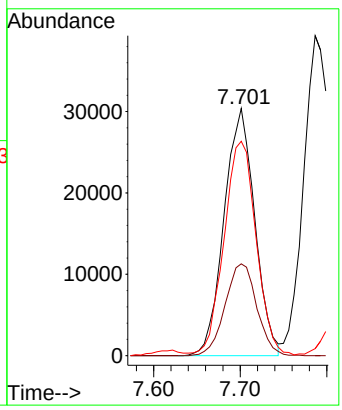




#31
Cyclohexane
Concen: 18.717 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 56 Resp: 7486

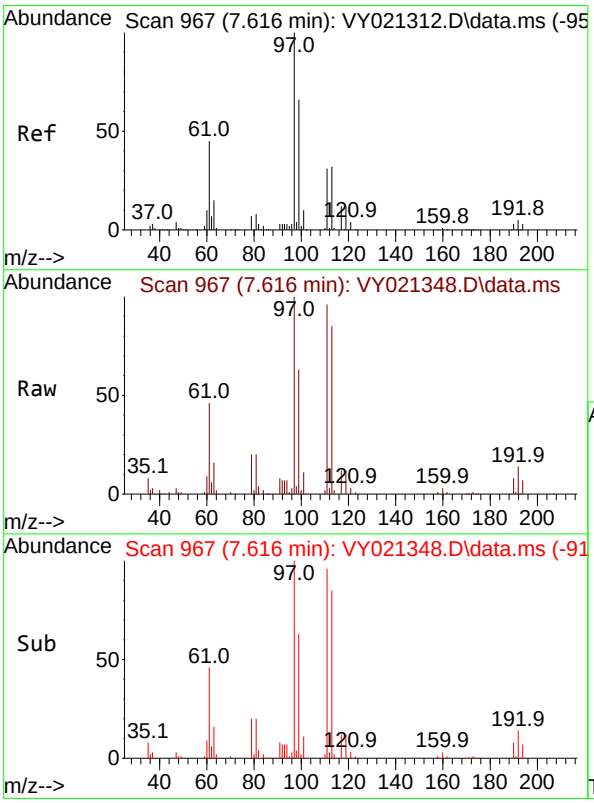
Ion	Ratio	Lower	Upper
56	100		
69	37.2	26.2	39.4
84	85.3	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

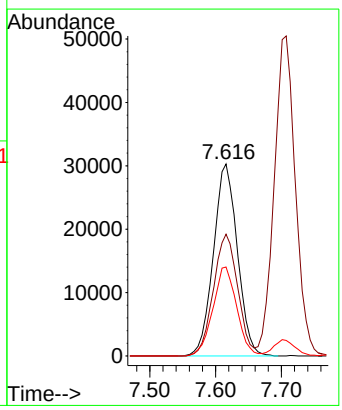
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

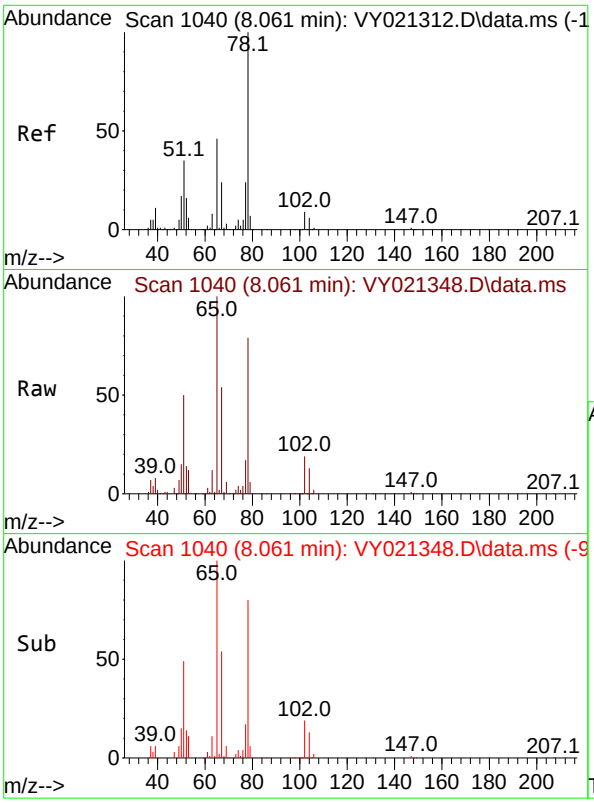


#32
1,1,1-Trichloroethane
Concen: 20.024 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 97 Resp: 76848

Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.4	78.6
61	46.0	36.2	54.2

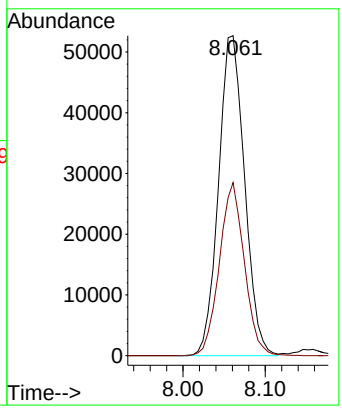




#33
1,2-Dichloroethane-d4
Concen: 51.143 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 65 Resp: 11602

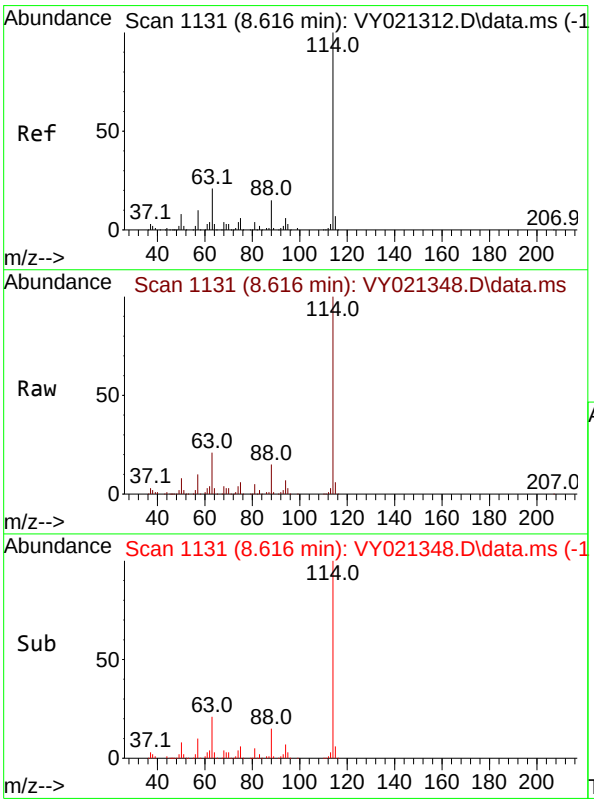
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

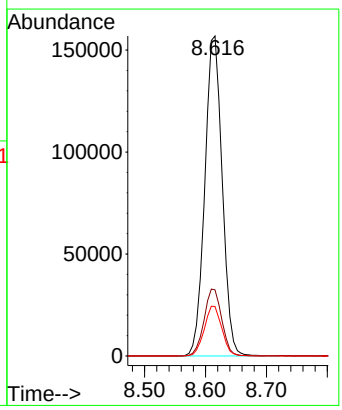
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

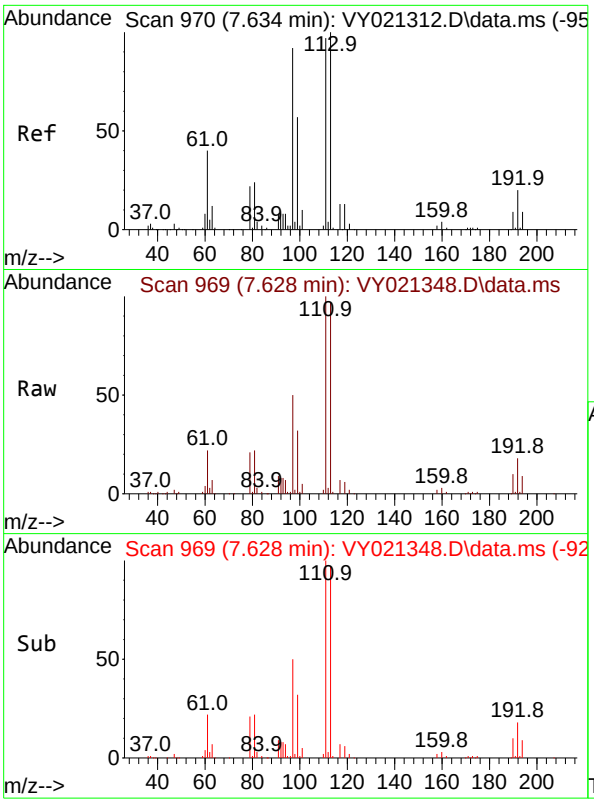


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:114 Resp: 311959

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	42.2
88	15.4	0.0	29.8

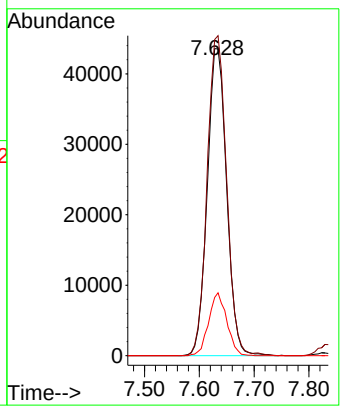




#35
Dibromofluoromethane
Concen: 52.252 ug/l
RT: 7.628 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:113 Resp: 10686

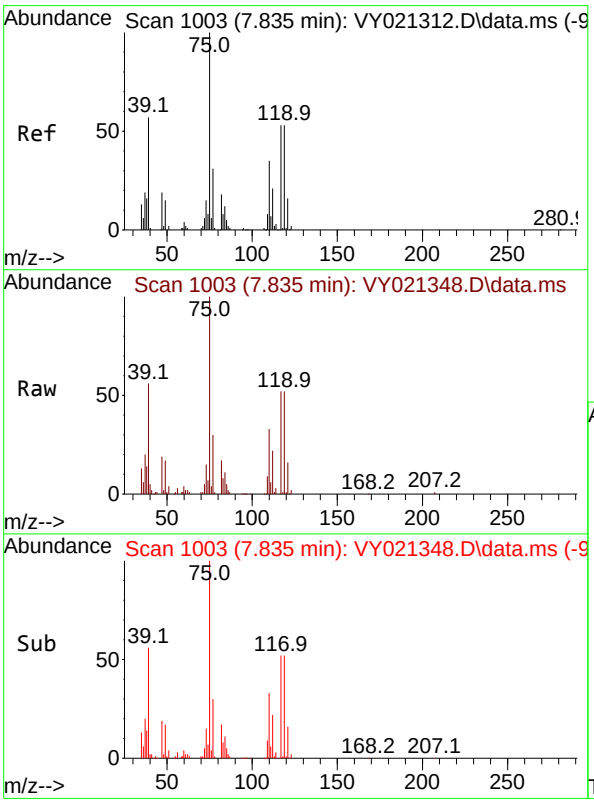
Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.0	121.6
192	19.2	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

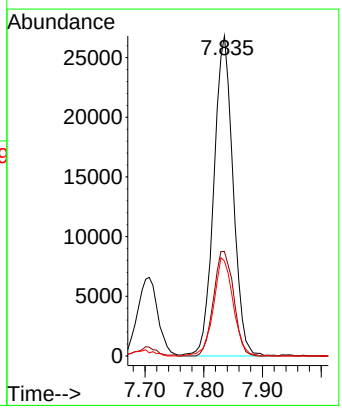
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

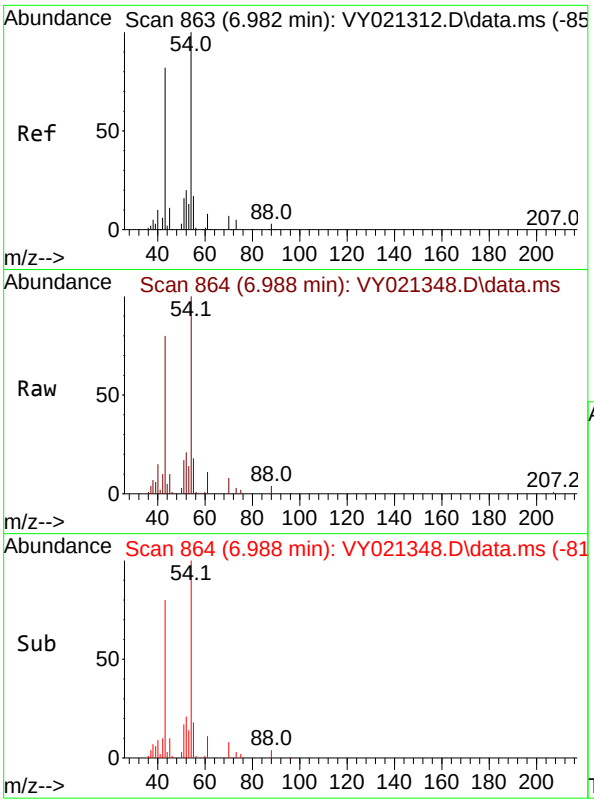


#36
1,1-Dichloropropene
Concen: 19.846 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 75 Resp: 60971

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.9	50.7
77	31.2	24.6	36.8





#37
Ethyl Acetate
Concen: 18.344 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

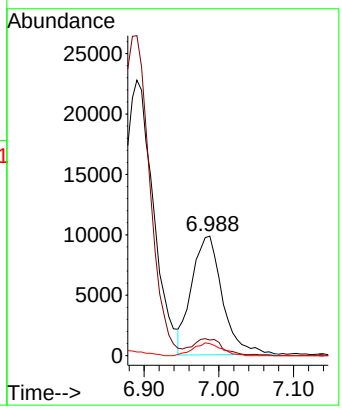
Tgt Ion: 43 Resp: 2803

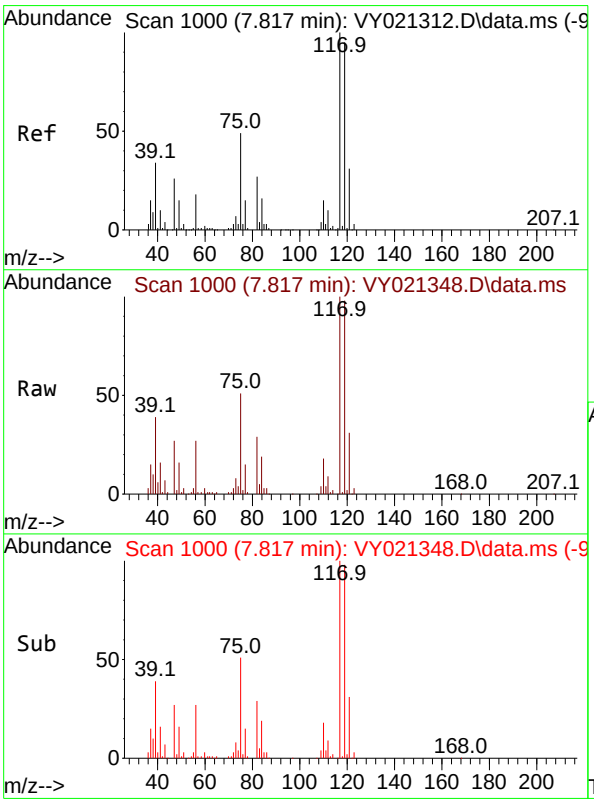
Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.4	15.6
70	9.8	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

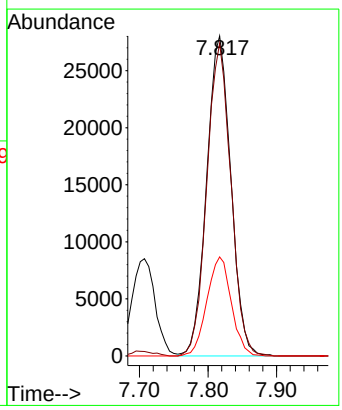


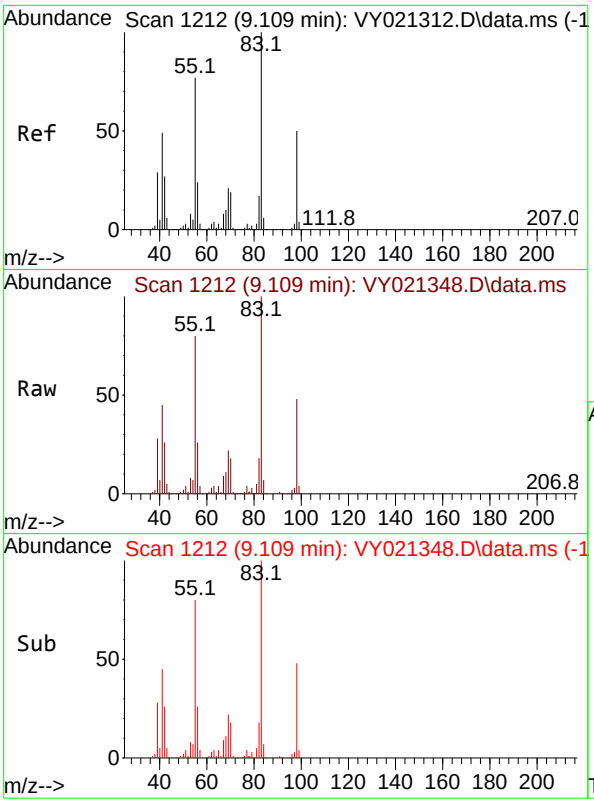


#38
Carbon Tetrachloride
Concen: 19.927 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:117 Resp: 68822

Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.0	114.0
121	30.9	24.9	37.3





#39
Methylcyclohexane
Concen: 19.261 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

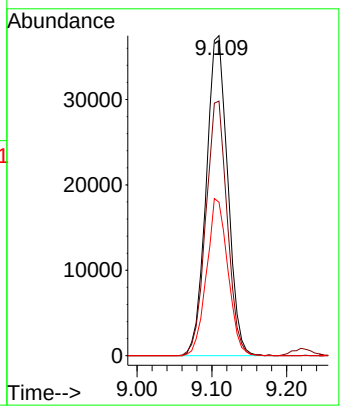
Tgt Ion: 83 Resp: 7484

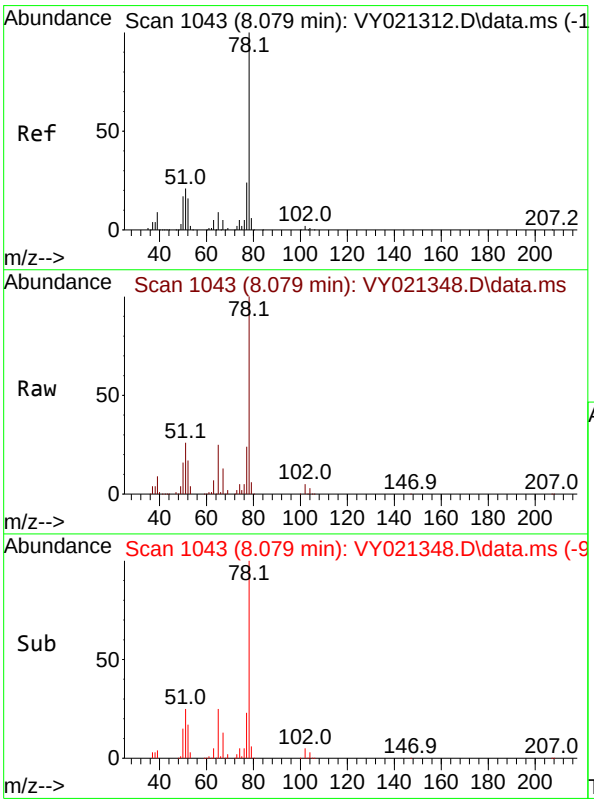
Ion	Ratio	Lower	Upper
83	100		
55	79.5	61.3	91.9
98	48.0	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

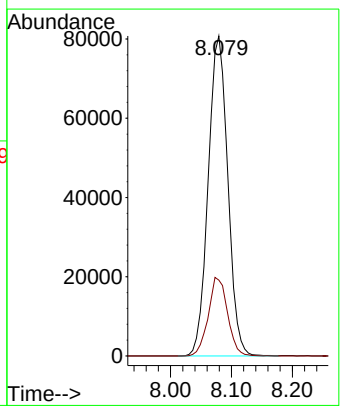


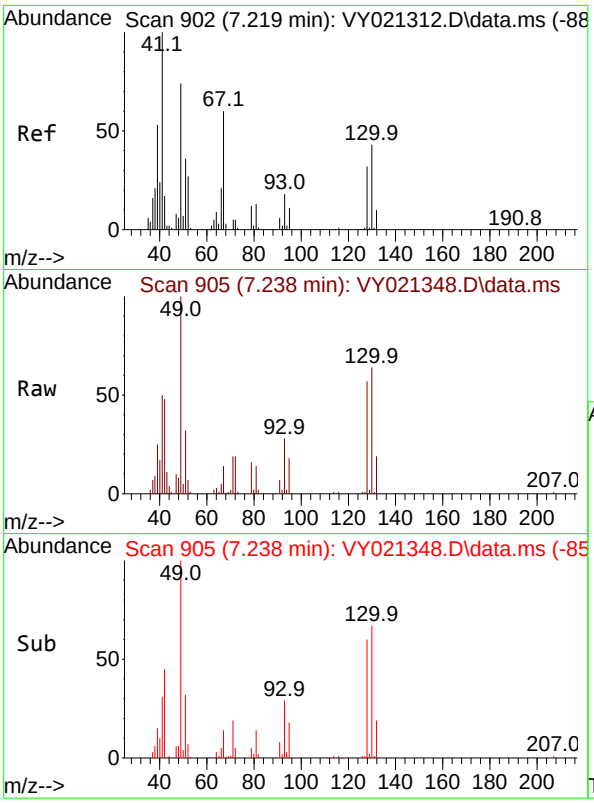


#40
Benzene
Concen: 19.891 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 78 Resp: 180639

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





#41
Methacrylonitrile
Concen: 19.967 ug/l m
RT: 7.238 min Scan# 9(
Delta R.T. 0.018 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

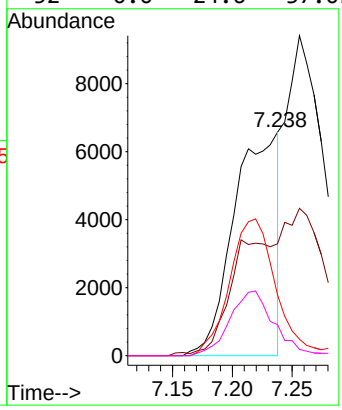
Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

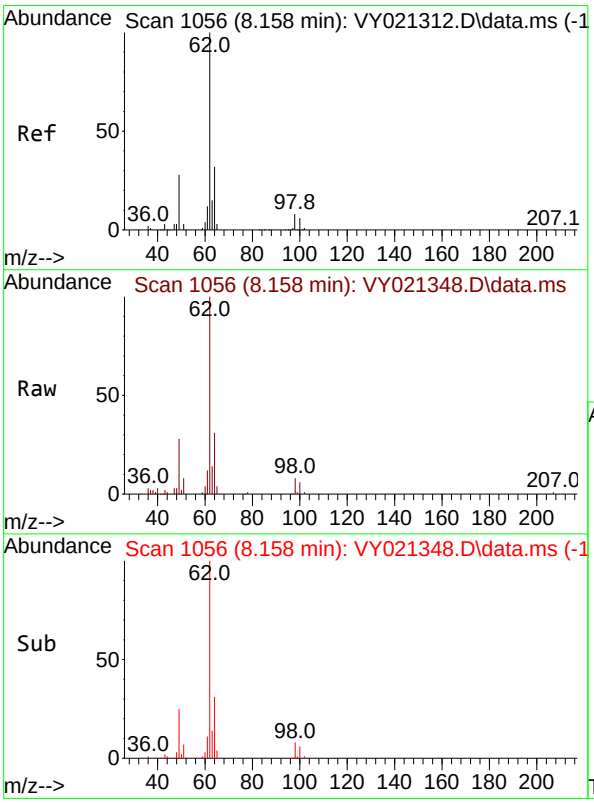
Tgt Ion: 41 Resp: 1706(

Ion	Ratio	Lower	Upper
41	100		
39	63.2	42.3	63.5
67	0.0	54.8	82.2#
52	0.0	24.6	37.0#

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

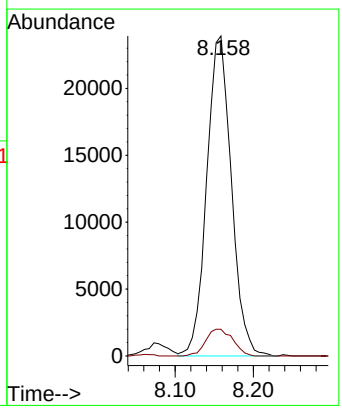


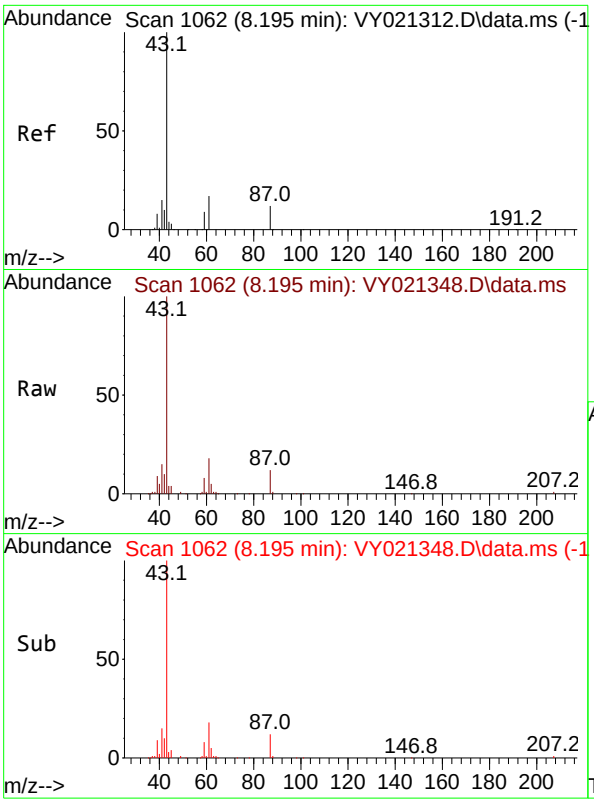


#42
1,2-Dichloroethane
Concen: 20.288 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 62 Resp: 52273

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.6

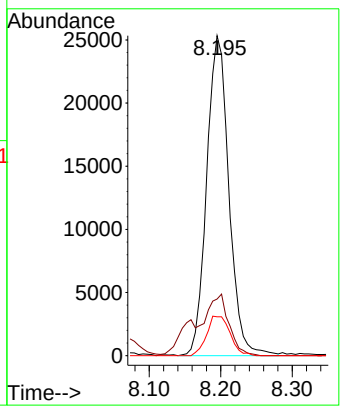




#43
Isopropyl Acetate
Concen: 18.499 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 43 Resp: 5471

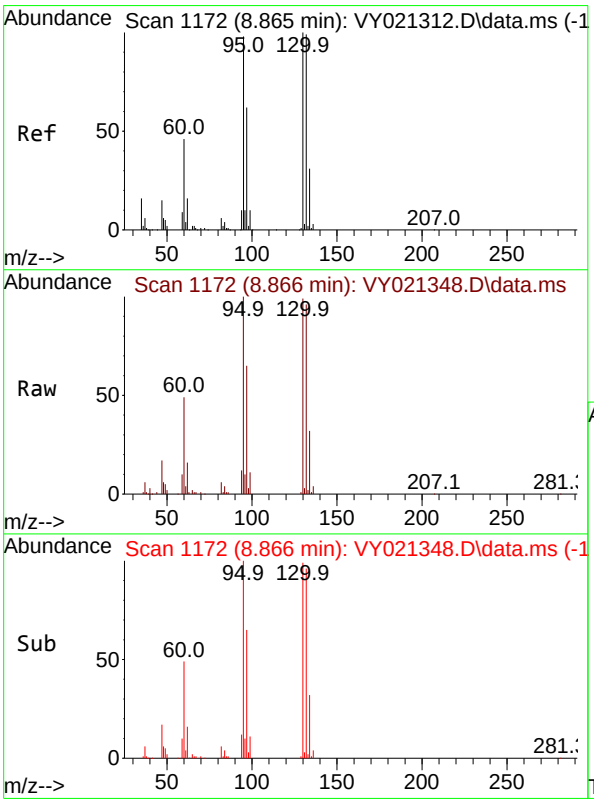
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.0	22.6
87	13.0	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

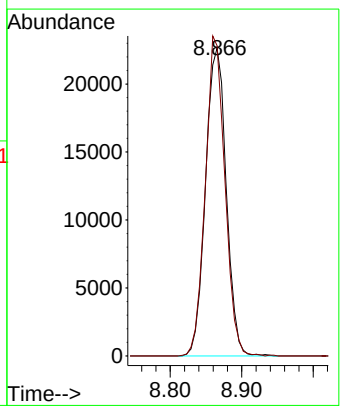
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

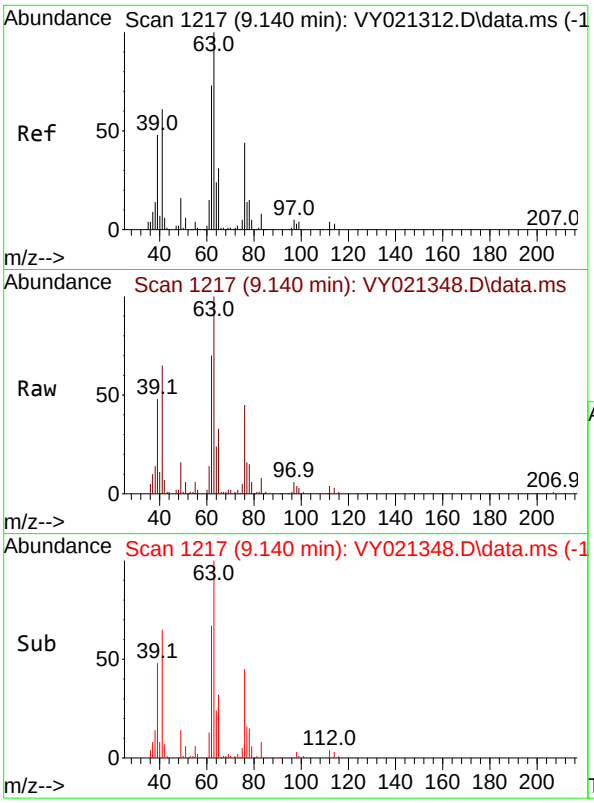


#44
Trichloroethene
Concen: 20.012 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:130 Resp: 45500

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	196.0

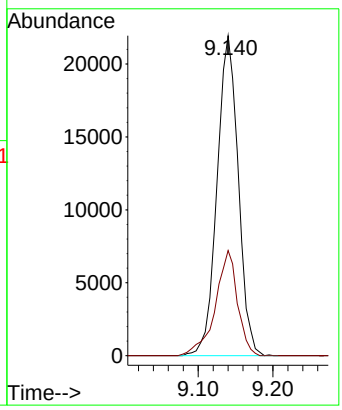




#45
1,2-Dichloropropane
Concen: 19.796 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 63 Resp: 4326

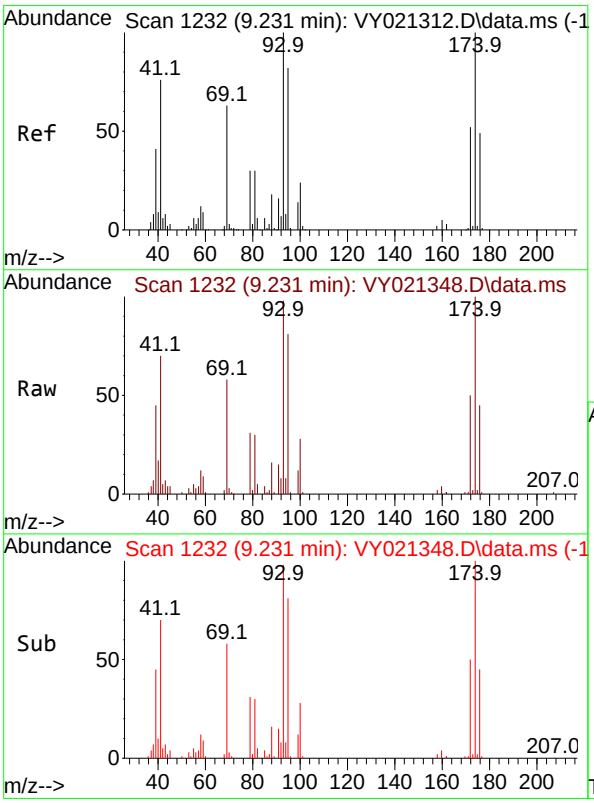
Ion	Ratio	Lower	Upper
63	100		
65	32.9	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

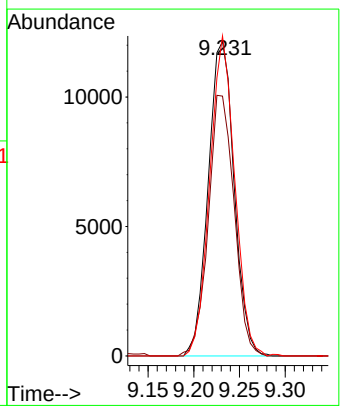
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

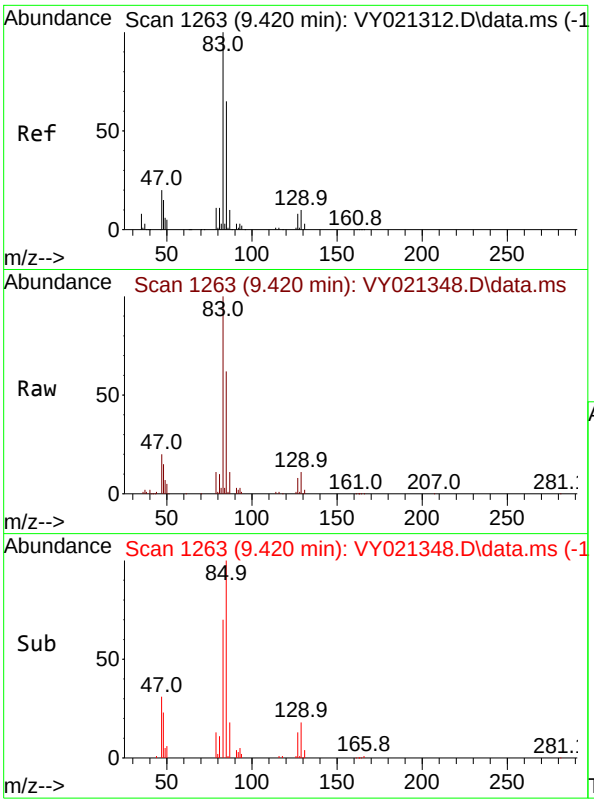


#46
Dibromomethane
Concen: 20.039 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 93 Resp: 23940

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.4	99.6
174	97.9	78.2	117.2

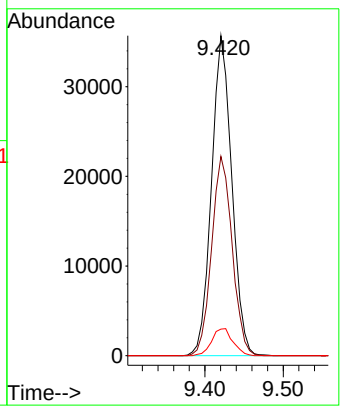




#47
Bromodichloromethane
Concen: 20.164 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 83 Resp: 6423

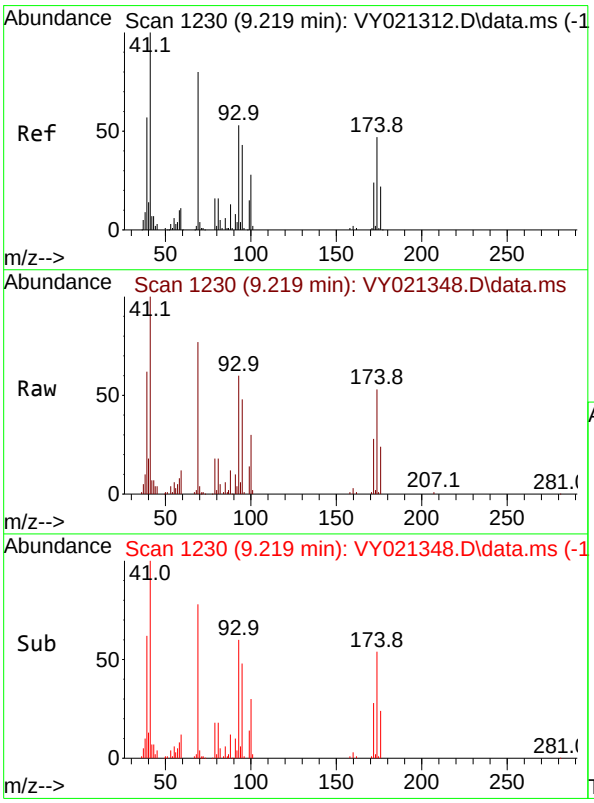
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.8	77.8
127	8.3	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

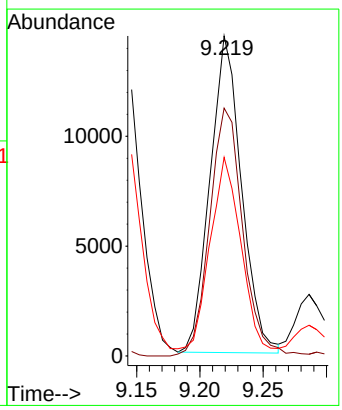
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

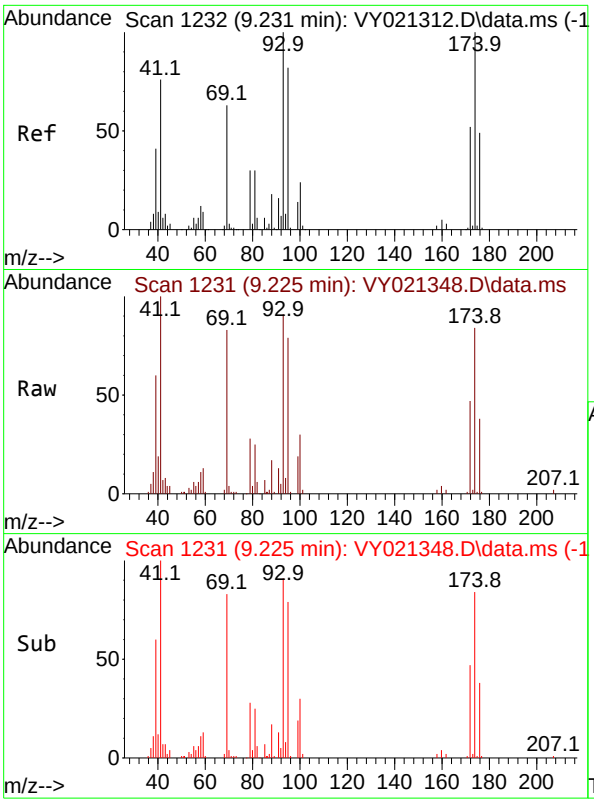


#48
Methyl methacrylate
Concen: 18.041 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 41 Resp: 24954

Ion	Ratio	Lower	Upper
41	100		
69	82.0	63.3	94.9
39	58.4	45.0	67.6





#49
1,4-Dioxane
Concen: 375.432 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

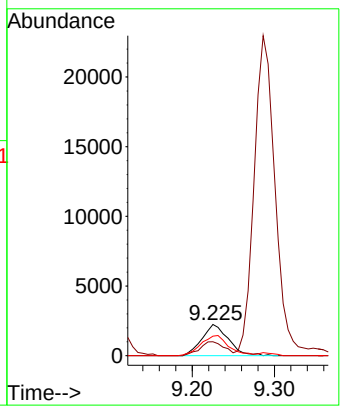
Tgt Ion: 88 Resp: 498

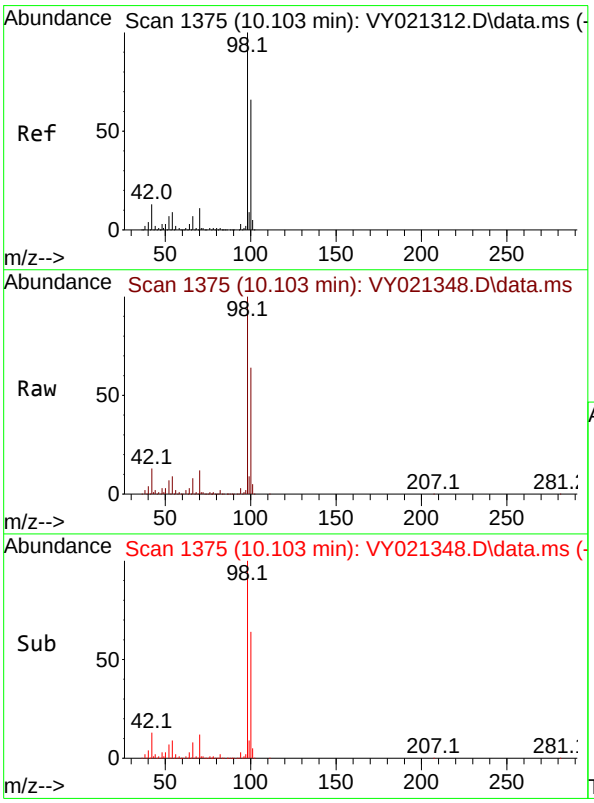
Ion	Ratio	Lower	Upper
88	100		
43	41.5	34.8	52.2
58	67.9	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

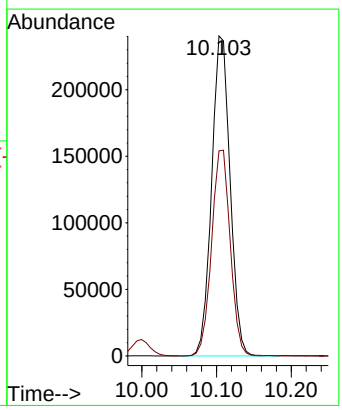


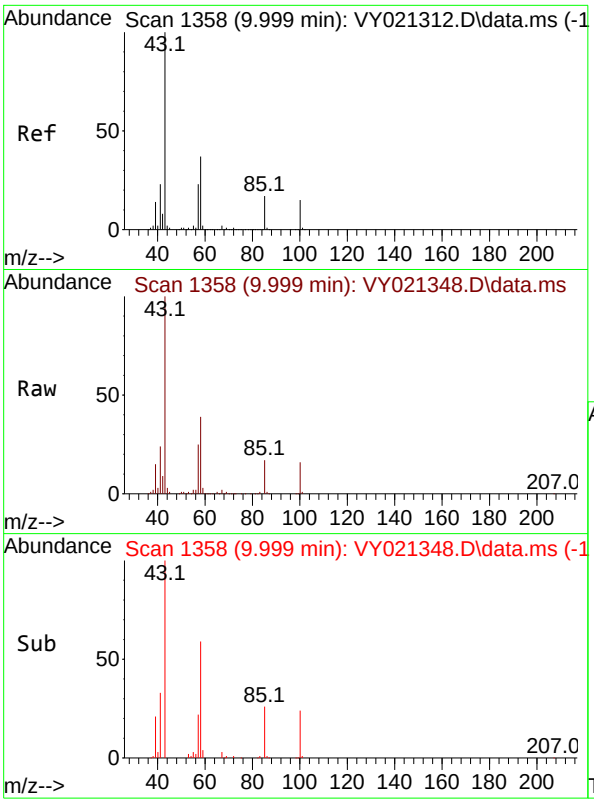


#50
Toluene-d8
Concen: 52.334 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 98 Resp: 413664

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6





#51
4-Methyl-2-Pentanone
Concen: 91.997 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

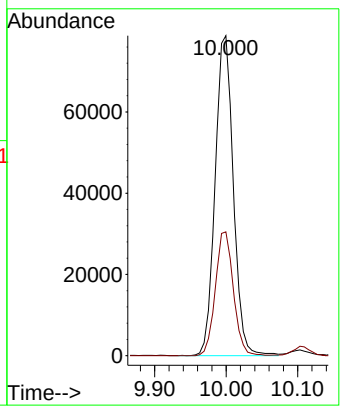
Tgt Ion: 43 Resp: 13929

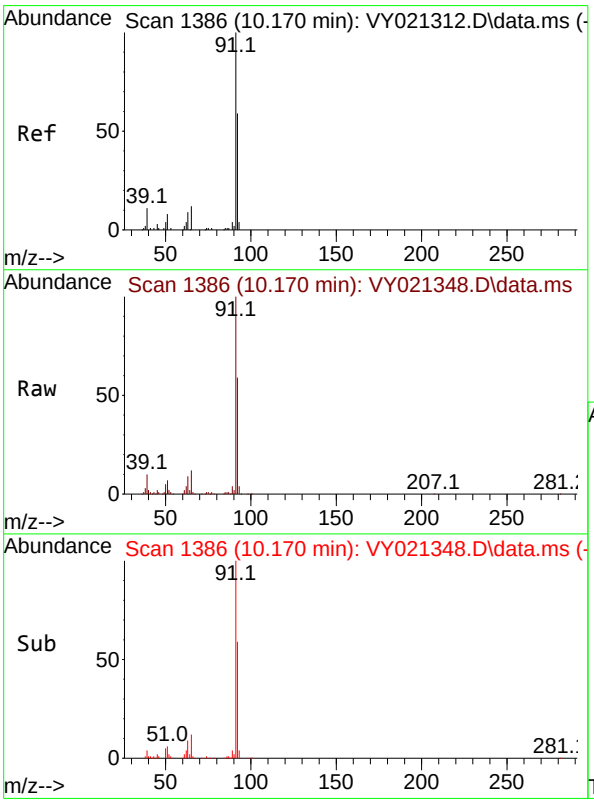
Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

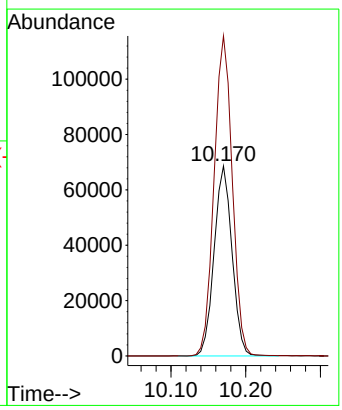


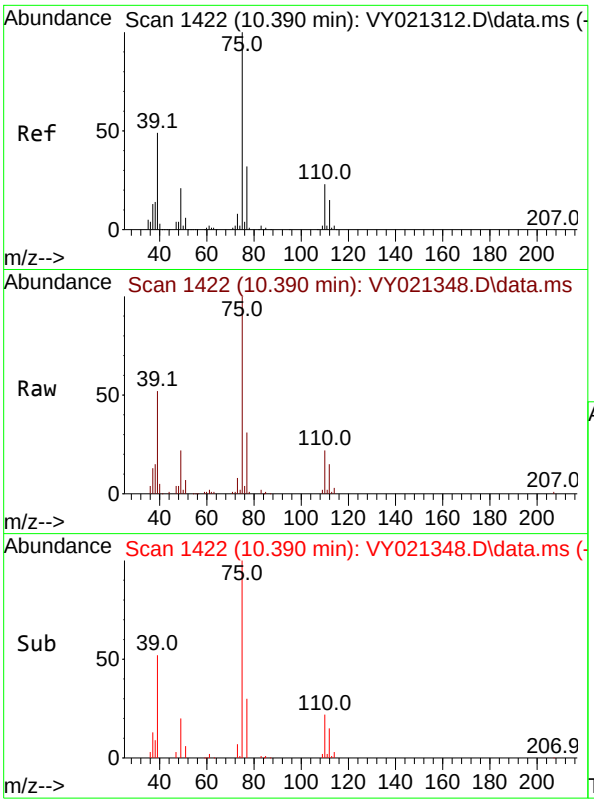


#52
Toluene
Concen: 20.226 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 92 Resp: 114108

Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.8	206.8

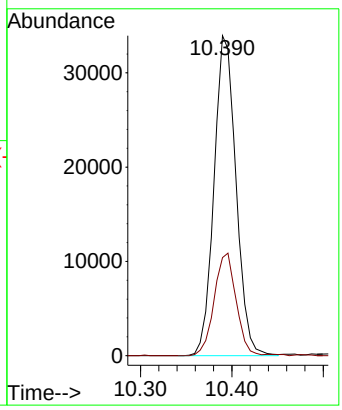




#53
t-1,3-Dichloropropene
Concen: 19.466 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 75 Resp: 5680

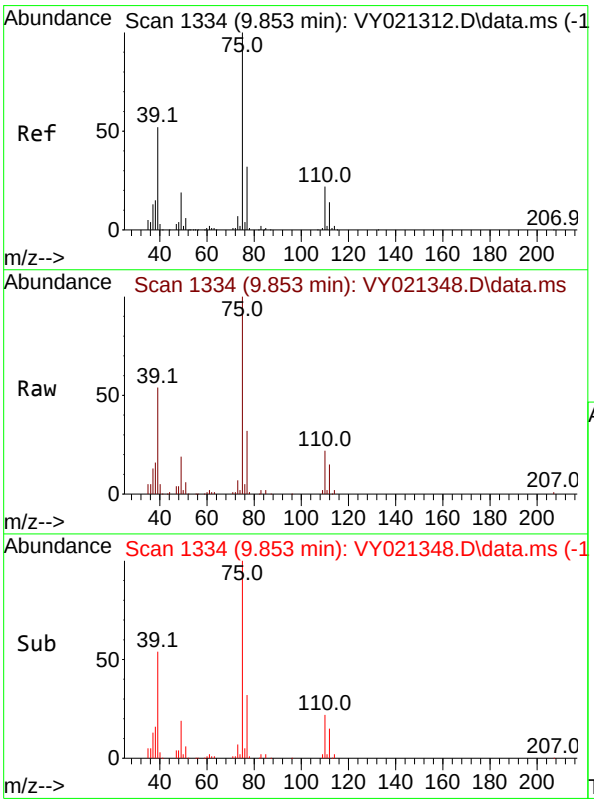
Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

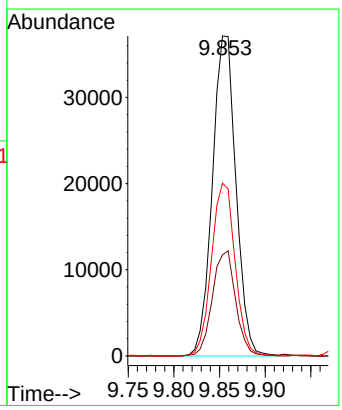
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

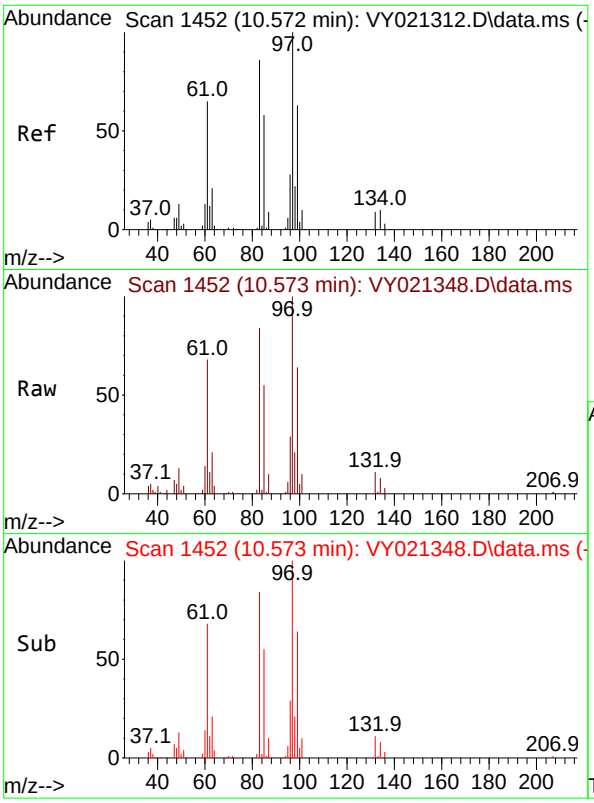


#54
cis-1,3-Dichloropropene
Concen: 19.370 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 75 Resp: 66736

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.7	38.5
39	54.0	41.8	62.6

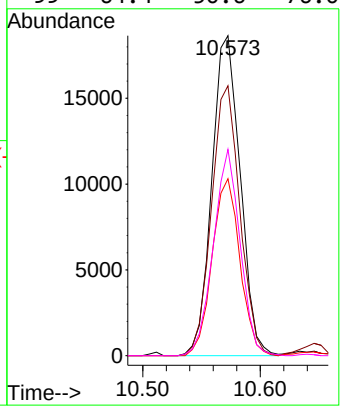




#55
1,1,2-Trichloroethane
Concen: 20.127 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 97 Resp: 3132

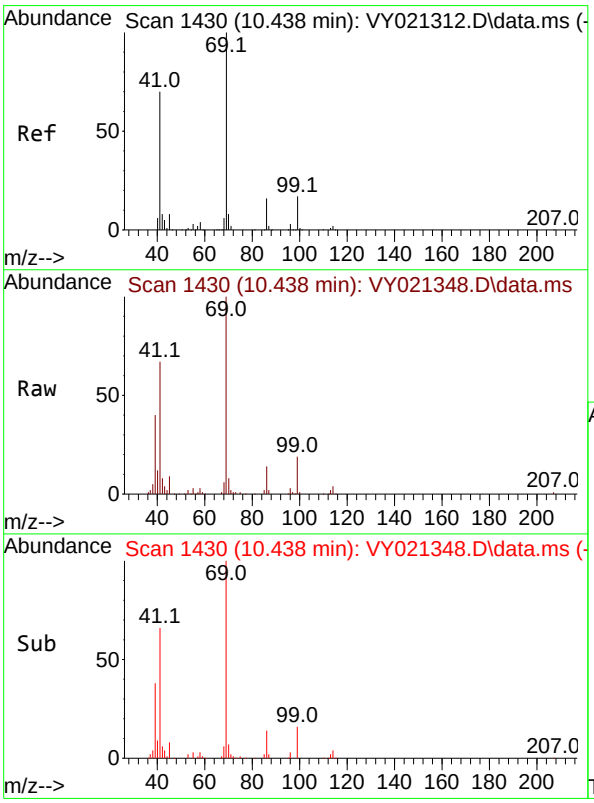
Ion	Ratio	Lower	Upper
97	100		
83	84.3	68.7	103.1
85	55.3	46.3	69.5
99	64.4	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

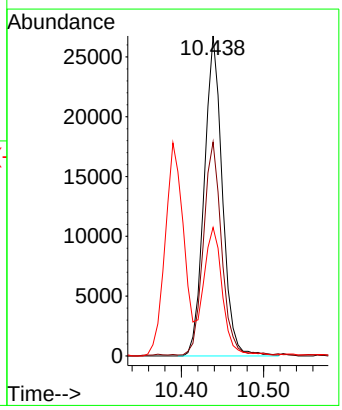
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

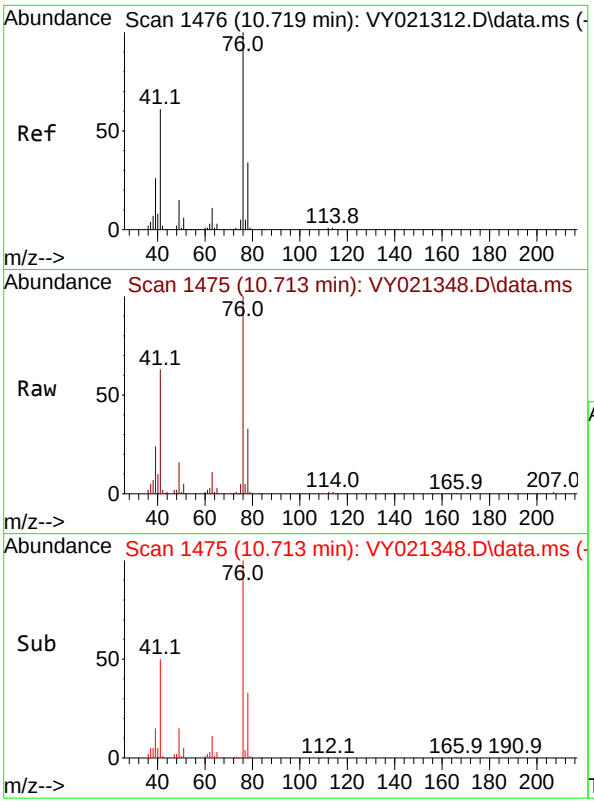


#56
Ethyl methacrylate
Concen: 19.079 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 69 Resp: 41028

Ion	Ratio	Lower	Upper
69	100		
41	66.6	56.2	84.4
39	41.4	32.7	49.1

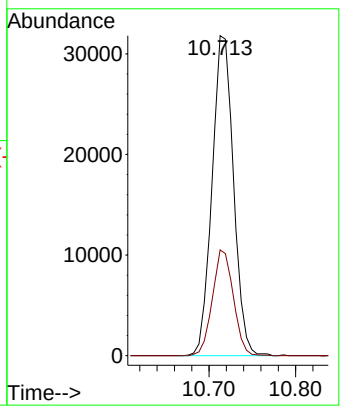




#57
1,3-Dichloropropane
Concen: 20.037 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 76 Resp: 5472

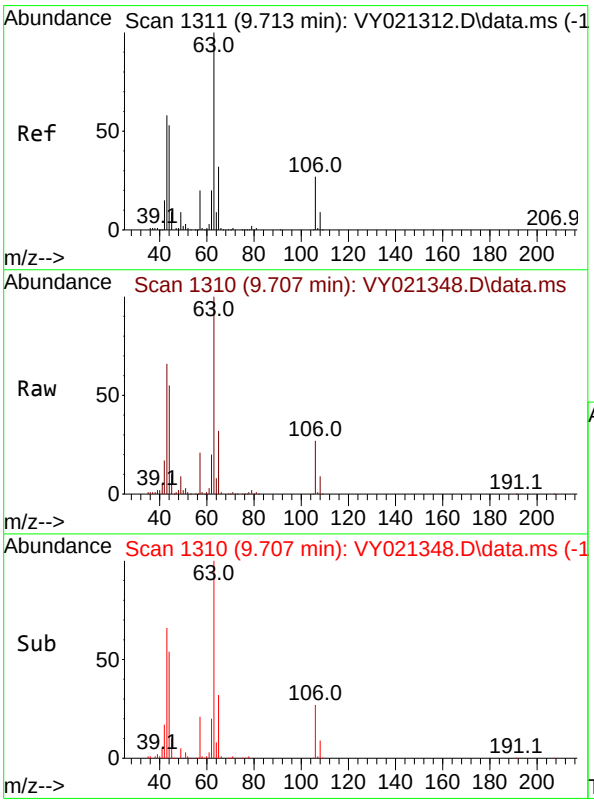
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

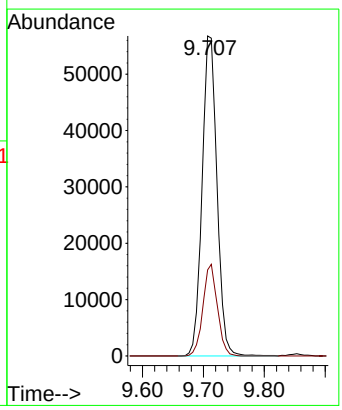
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

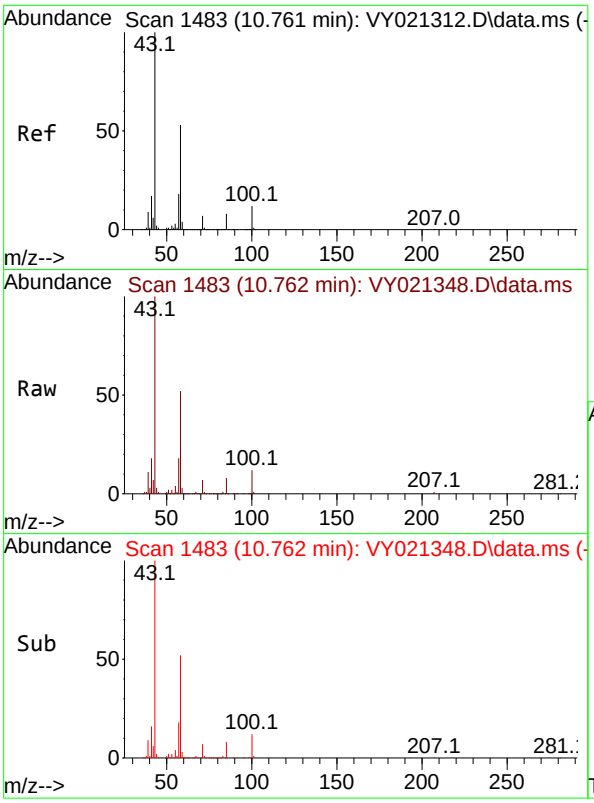


#58
2-Chloroethyl Vinyl ether
Concen: 93.300 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 63 Resp: 96301

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.7	32.5





#59
2-Hexanone
Concen: 95.864 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

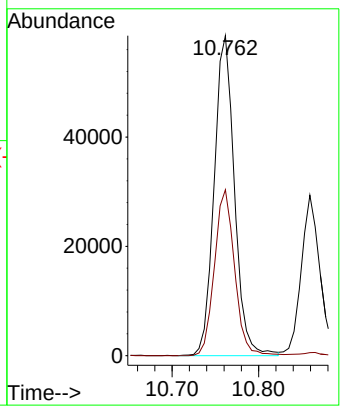
Tgt Ion: 43 Resp: 9532

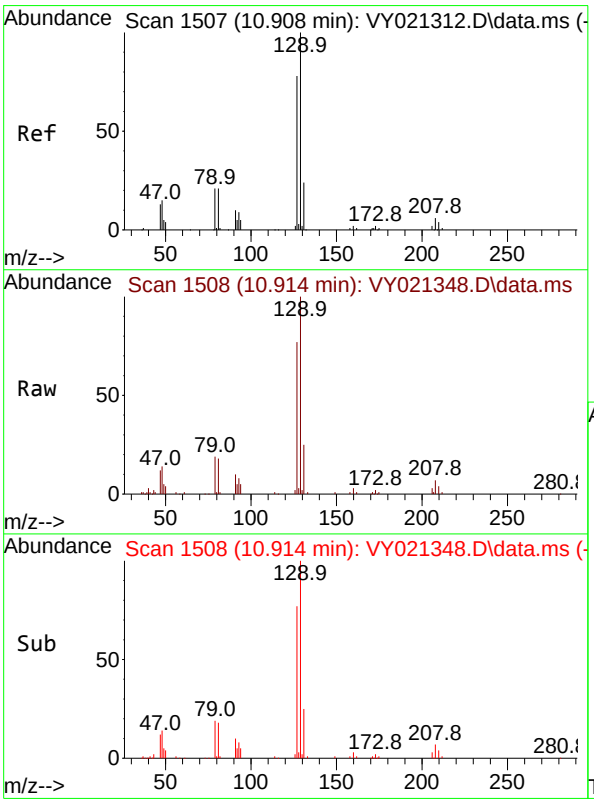
Ion	Ratio	Lower	Upper
43	100		
58	51.5	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

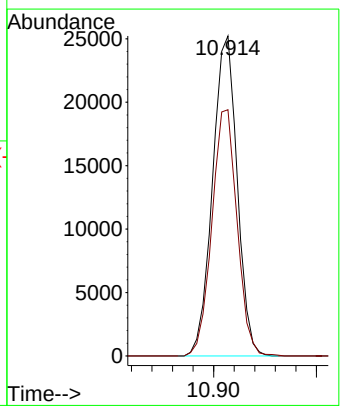


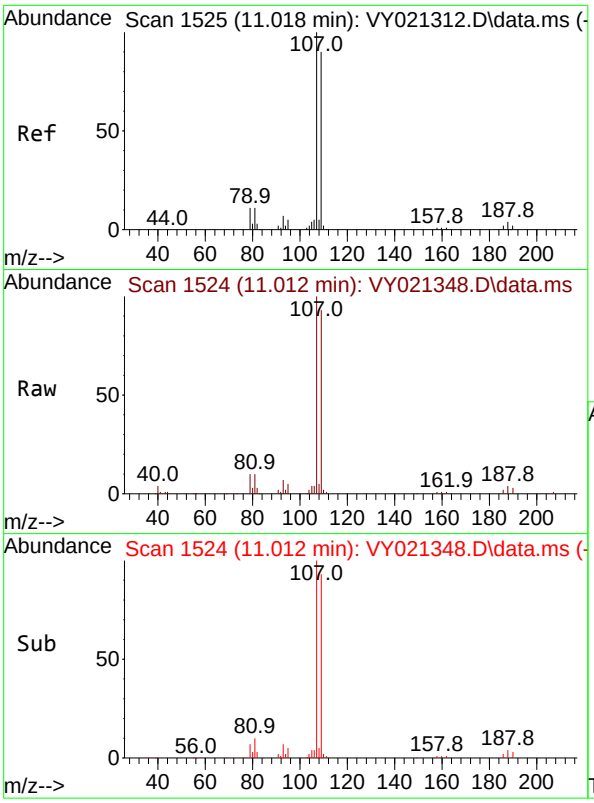


#60
Dibromochloromethane
Concen: 19.786 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:129 Resp: 41937

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.8	116.4

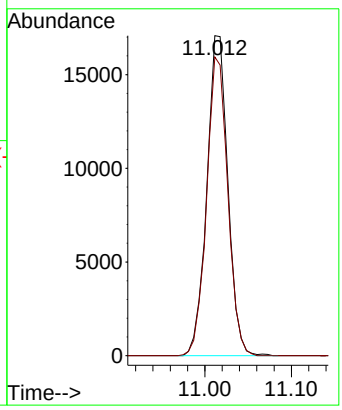




#61
1,2-Dibromoethane
Concen: 19.549 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:107 Resp: 2880

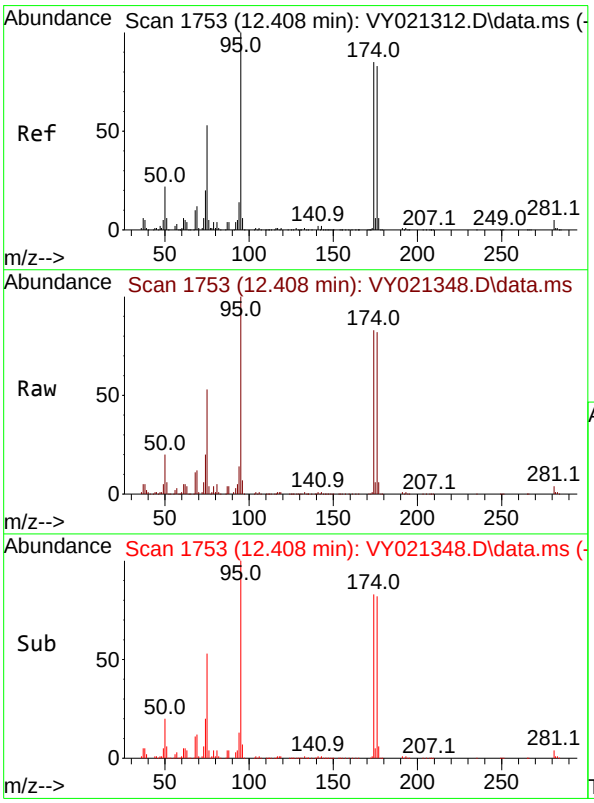
Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

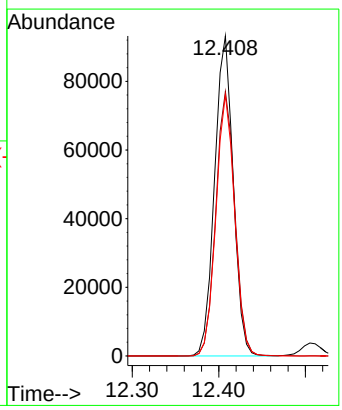
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

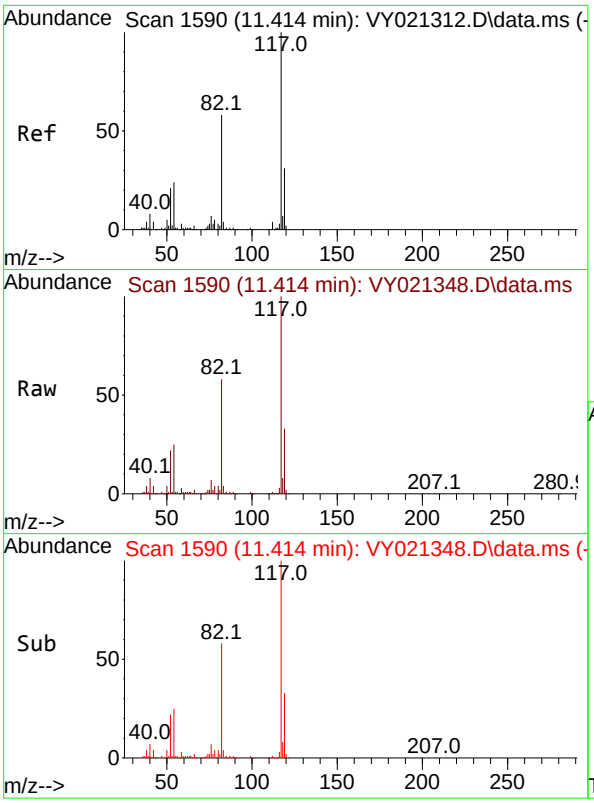


#62
4-Bromofluorobenzene
Concen: 52.368 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 95 Resp: 139307

Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	168.0
176	81.8	0.0	162.6

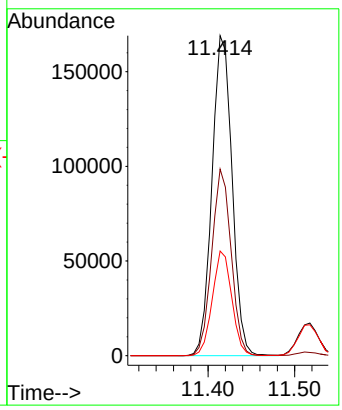




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:117 Resp: 27241

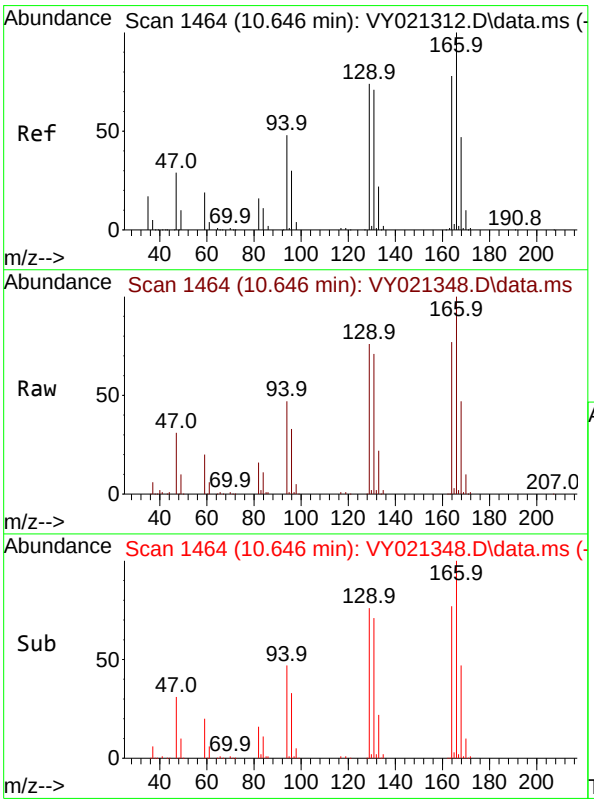
Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.2	69.4
119	32.7	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

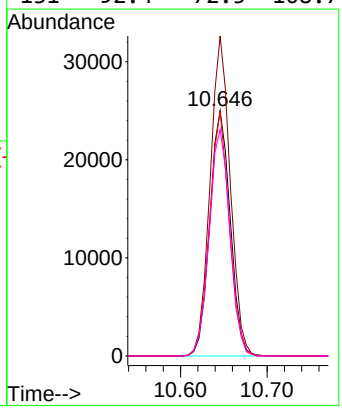
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

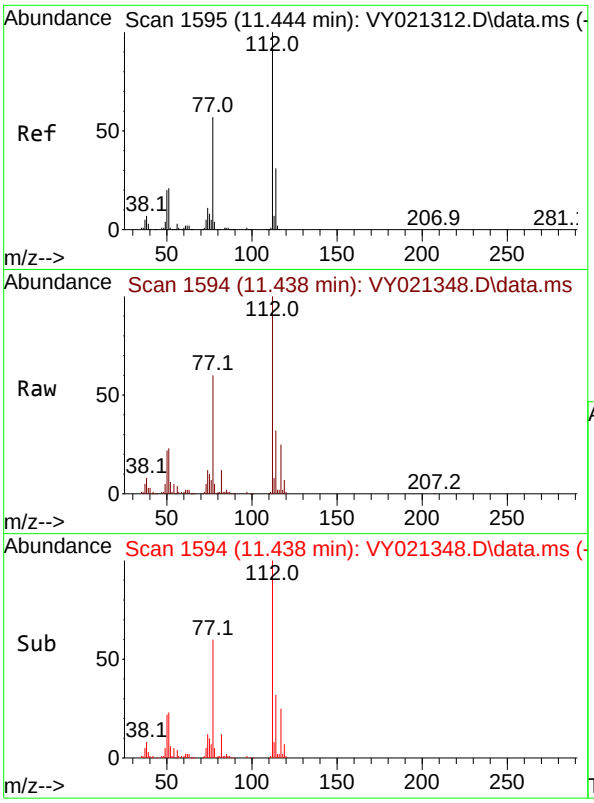


#64
Tetrachloroethene
Concen: 19.901 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:164 Resp: 40978

Ion	Ratio	Lower	Upper
164	100		
166	130.6	101.9	152.9
129	99.6	75.5	113.3
131	92.4	72.5	108.7





#65
Chlorobenzene
Concen: 19.805 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

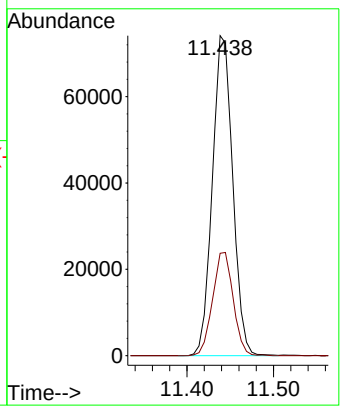
Tgt Ion:112 Resp: 12110

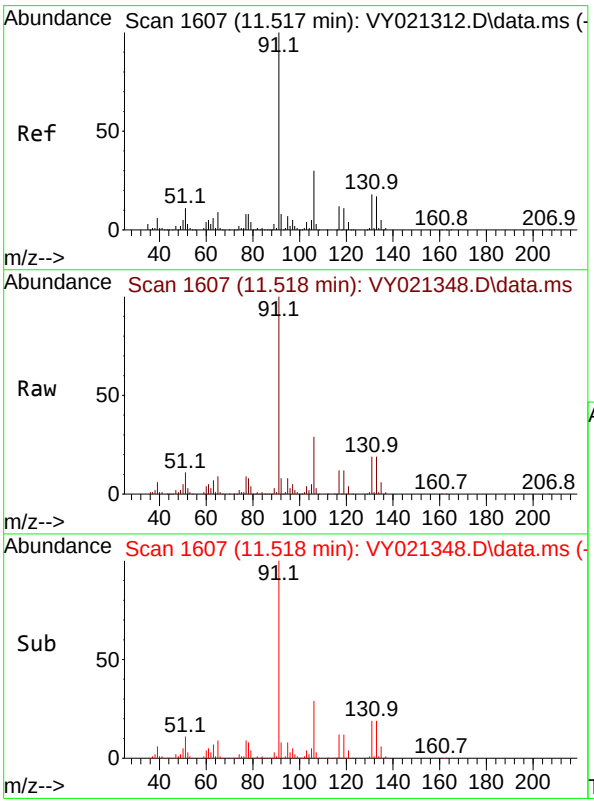
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

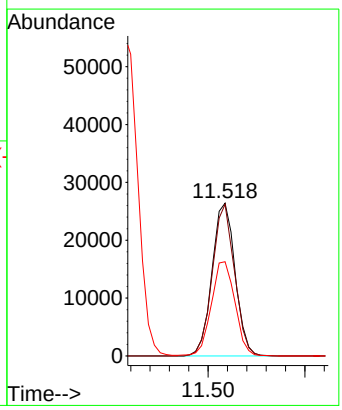


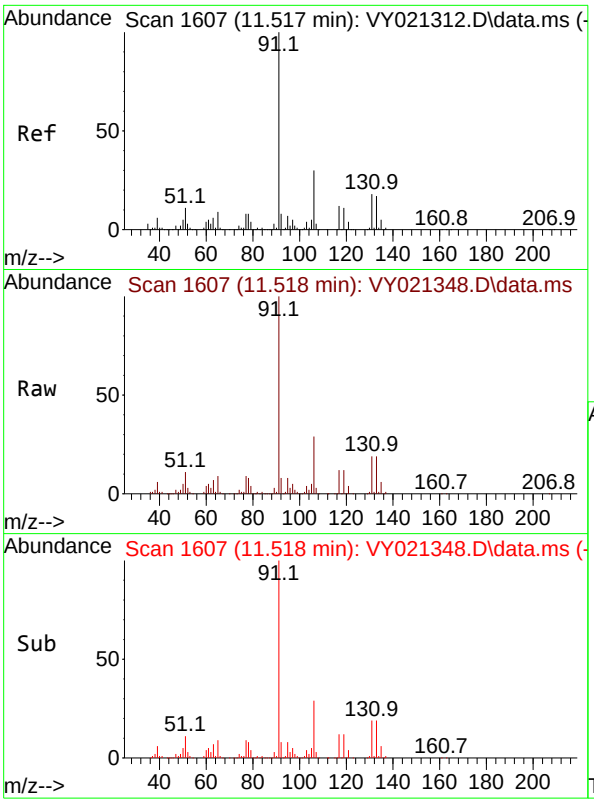


#66
1,1,1,2-Tetrachloroethane
Concen: 20.415 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:131 Resp: 43712

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.9	143.6
119	63.3	31.7	95.1

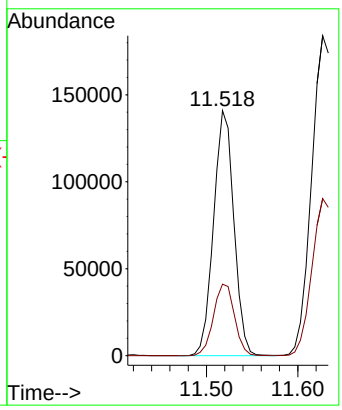




#67
Ethyl Benzene
Concen: 20.082 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 91 Resp: 21752

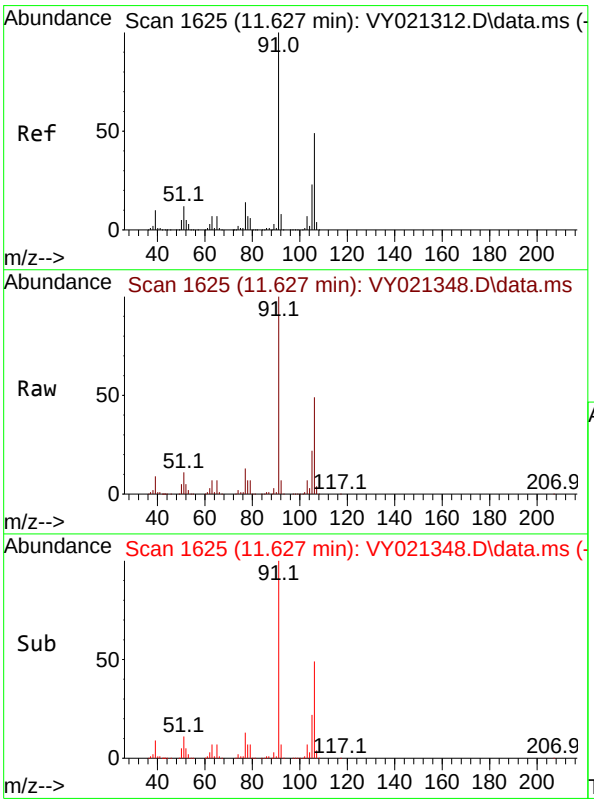
Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

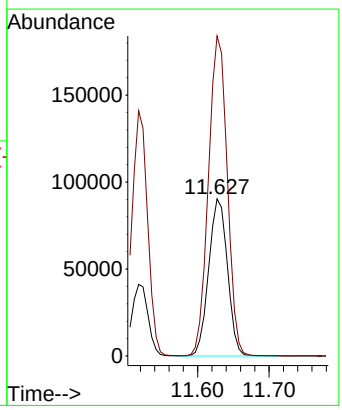
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

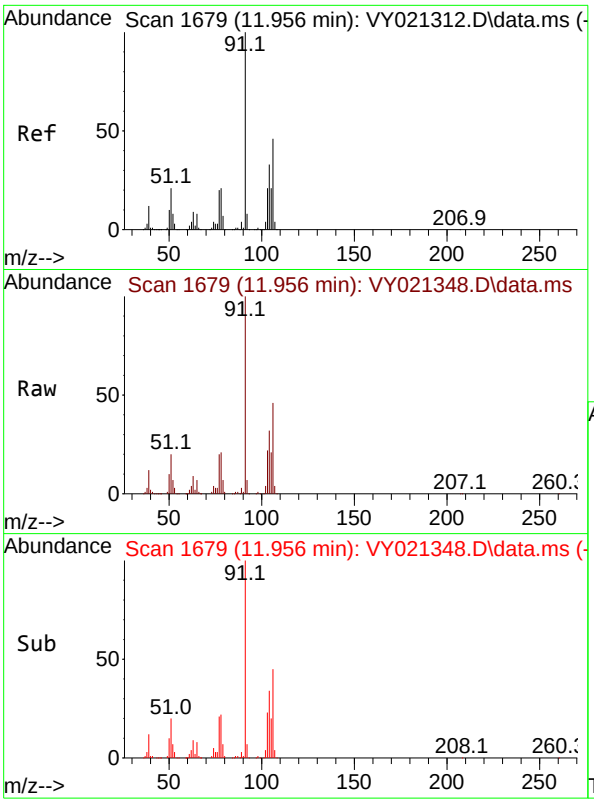


#68
m/p-Xylenes
Concen: 40.391 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:106 Resp: 164558

Ion	Ratio	Lower	Upper
106	100		
91	204.7	163.9	245.9

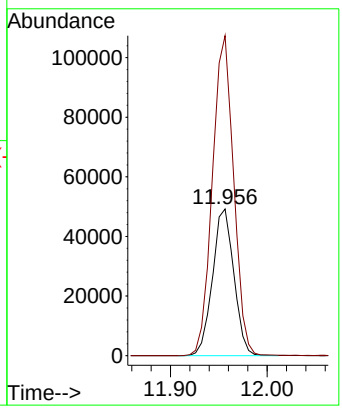




#69
o-Xylene
Concen: 19.803 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:106 Resp: 7558

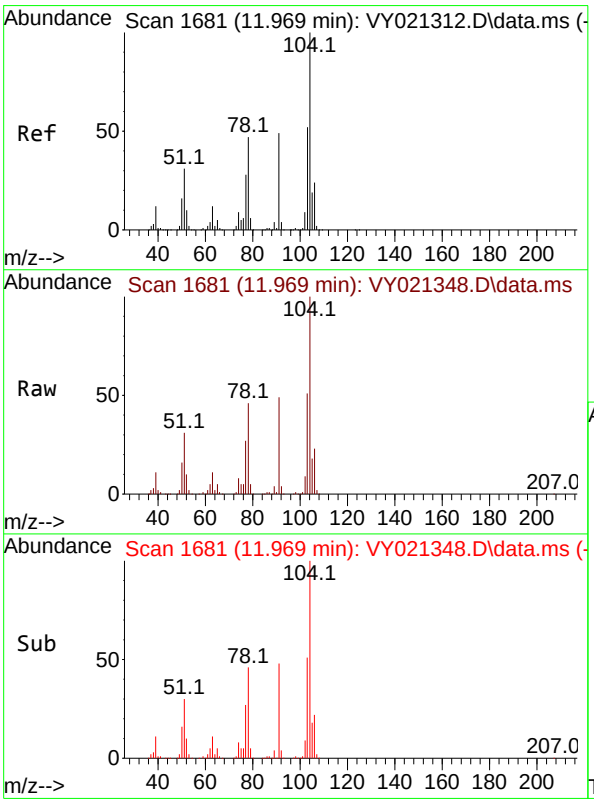
Ion	Ratio	Lower	Upper
106	100		
91	217.2	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

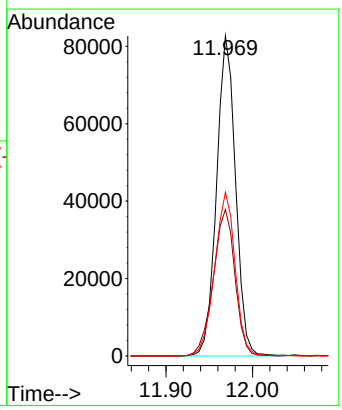
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

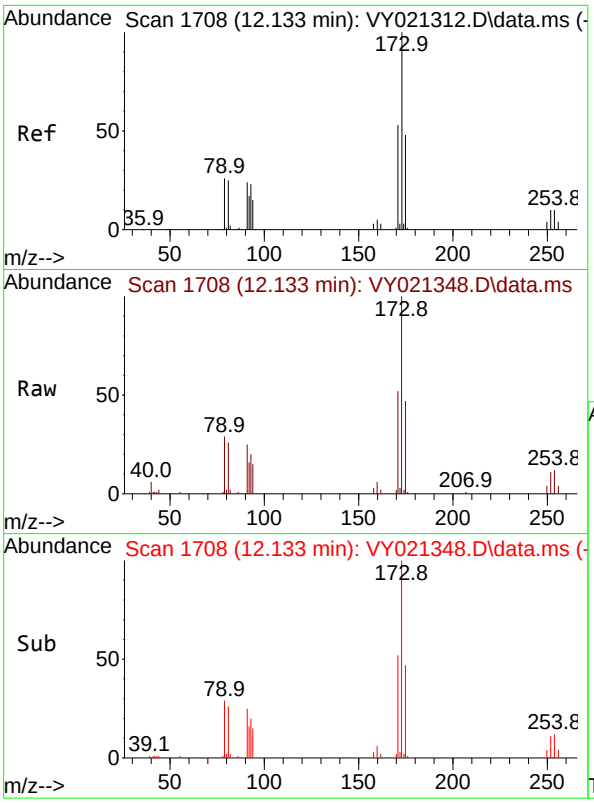


#70
Styrene
Concen: 19.811 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:104 Resp: 125803

Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.3	61.9
103	55.7	43.9	65.9

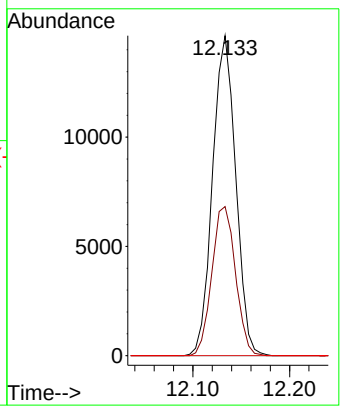




#71
Bromoform
Concen: 19.881 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:173 Resp: 2435

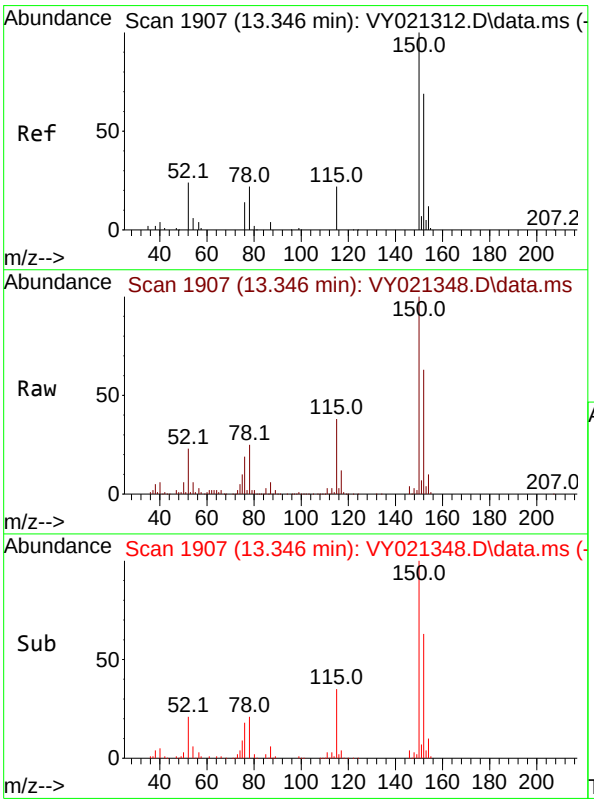
Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

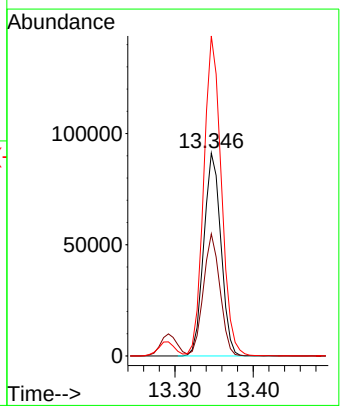
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

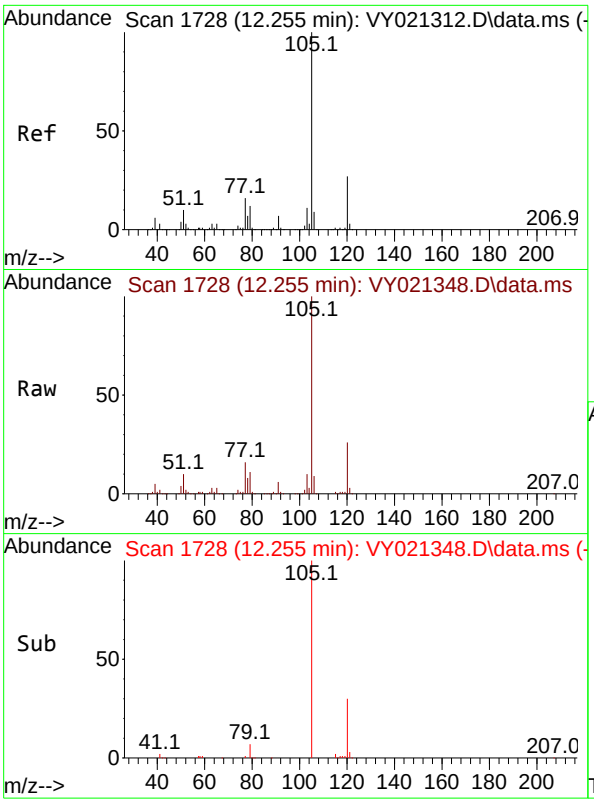


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:152 Resp: 138215

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.3	88.0
150	162.6	0.0	347.4

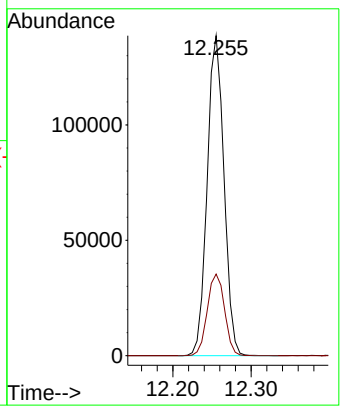




#73
Isopropylbenzene
Concen: 19.845 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:105 Resp: 20620

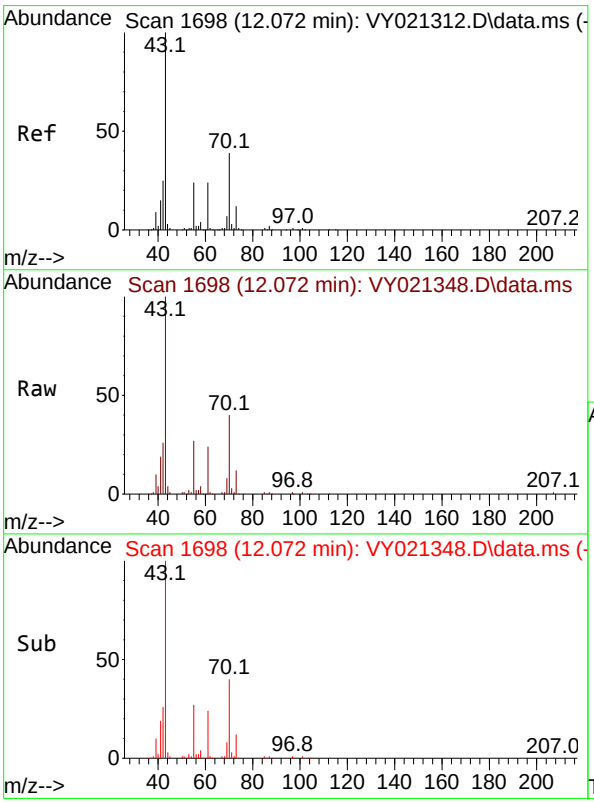
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

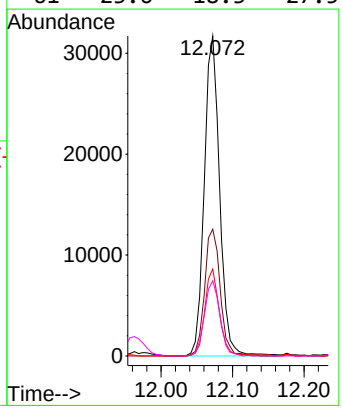
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

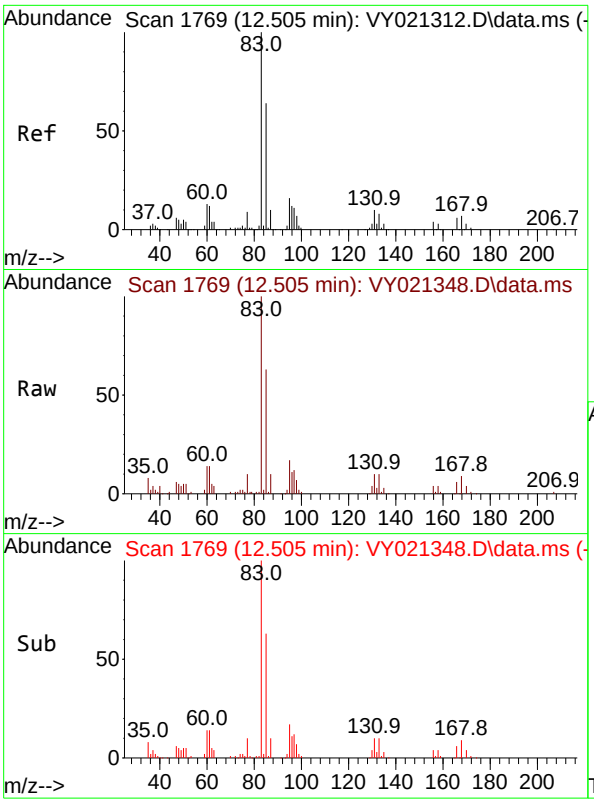


#74
N-amyl acetate
Concen: 17.916 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 43 Resp: 47320

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	26.0	19.6	29.4
61	23.6	18.3	27.5

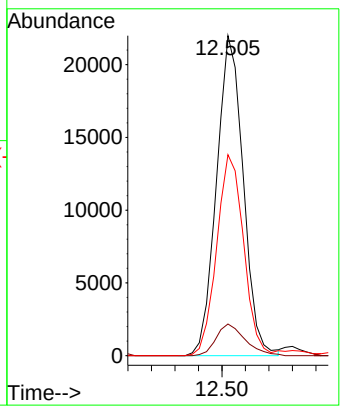




#75
1,1,2,2-Tetrachloroethane
Concen: 18.942 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 83 Resp: 3473

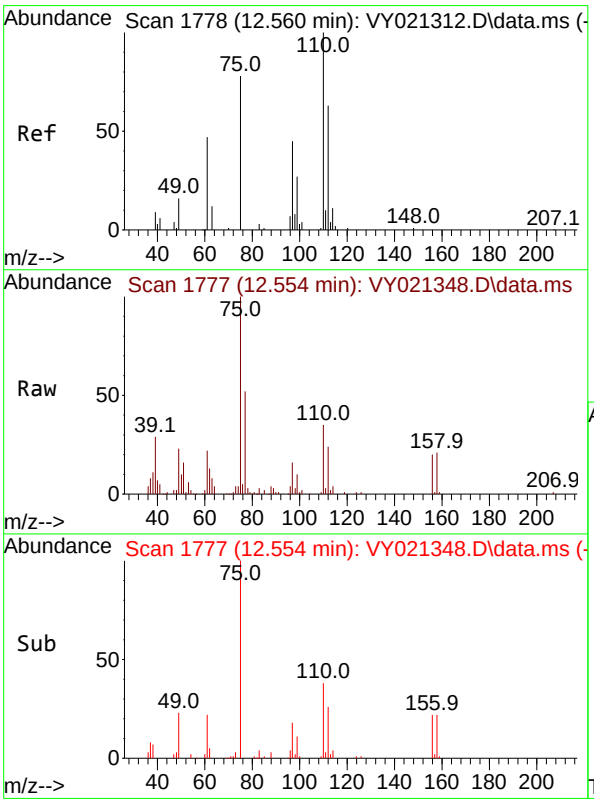
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	63.9	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

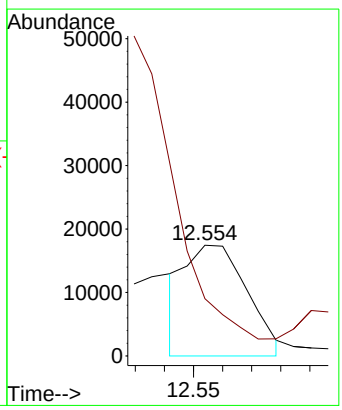
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

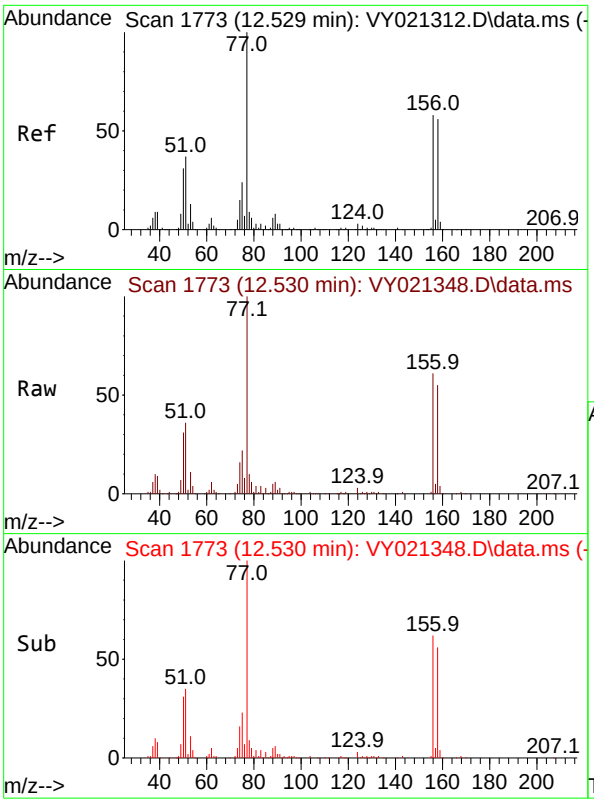


#76
1,2,3-Trichloropropane
Concen: 18.722 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 75 Resp: 25901

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

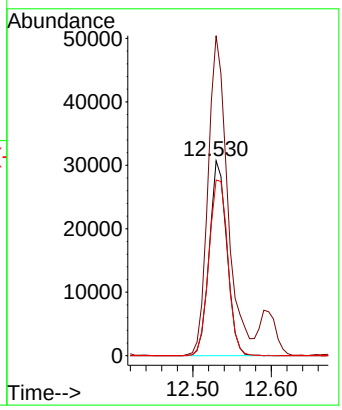




#77
Bromobenzene
Concen: 19.751 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:156 Resp: 4773

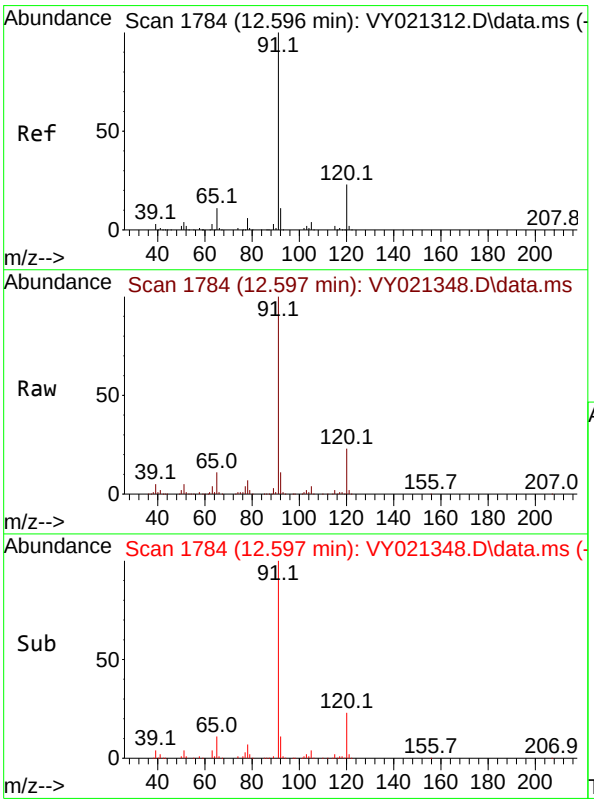
Ion	Ratio	Lower	Upper
156	100		
77	182.0	94.0	282.1
158	97.1	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

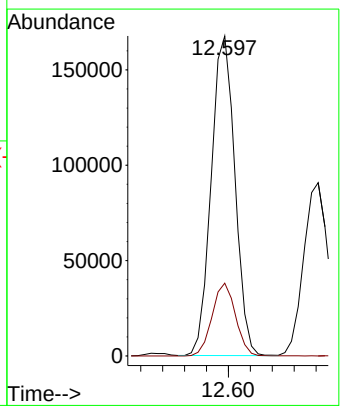
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

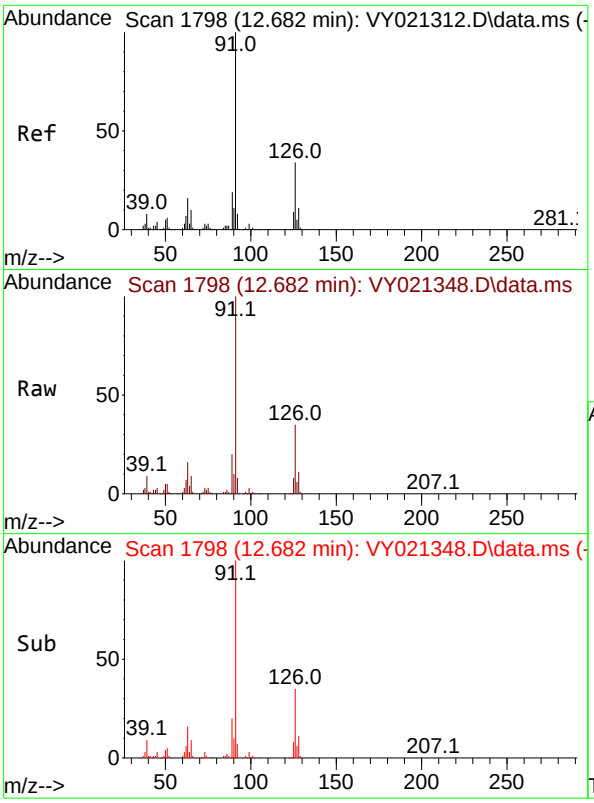


#78
n-propylbenzene
Concen: 19.962 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 91 Resp: 251702

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5

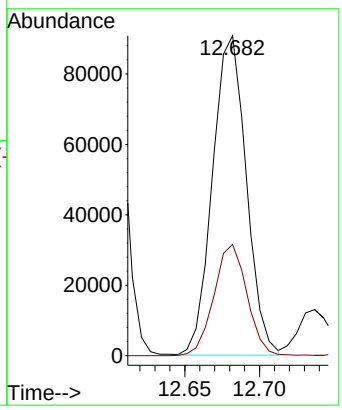




#79
2-Chlorotoluene
Concen: 19.674 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 91 Resp: 14236

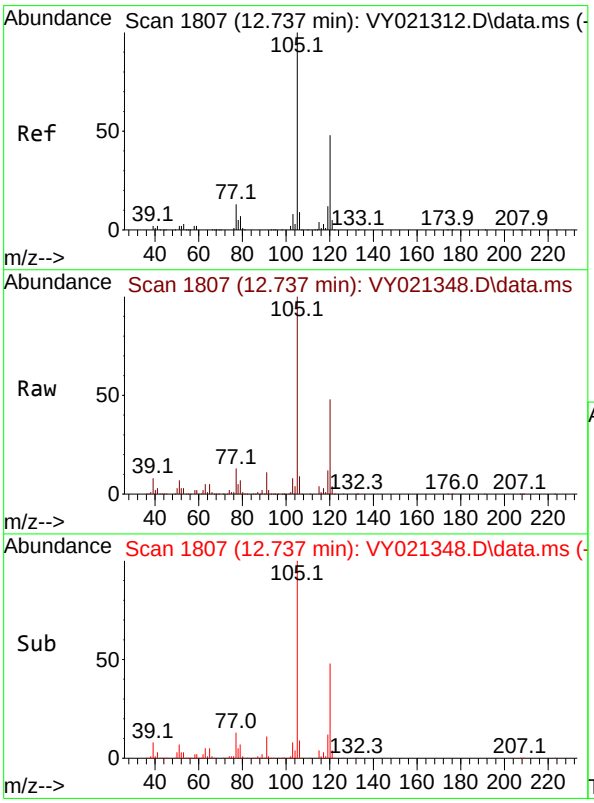
Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

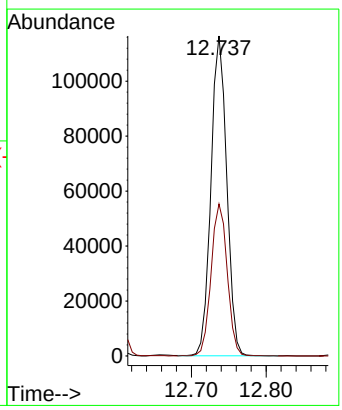
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

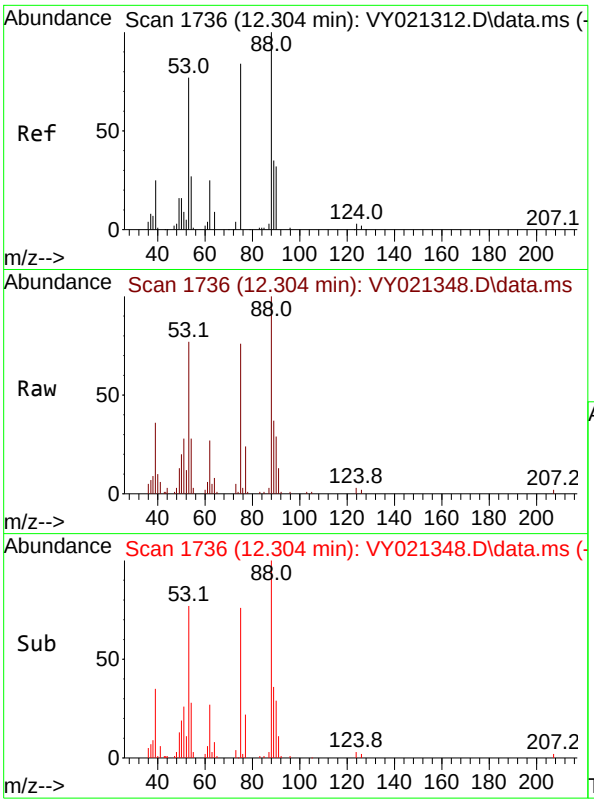


#80
1,3,5-Trimethylbenzene
Concen: 20.007 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:105 Resp: 170506

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 18.885 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

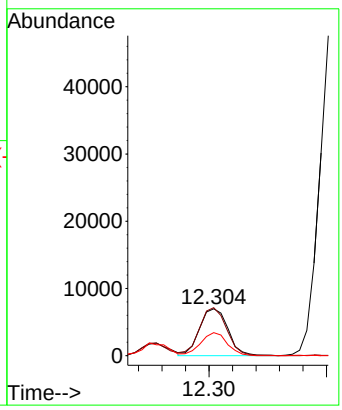
Tgt Ion: 75 Resp: 1175

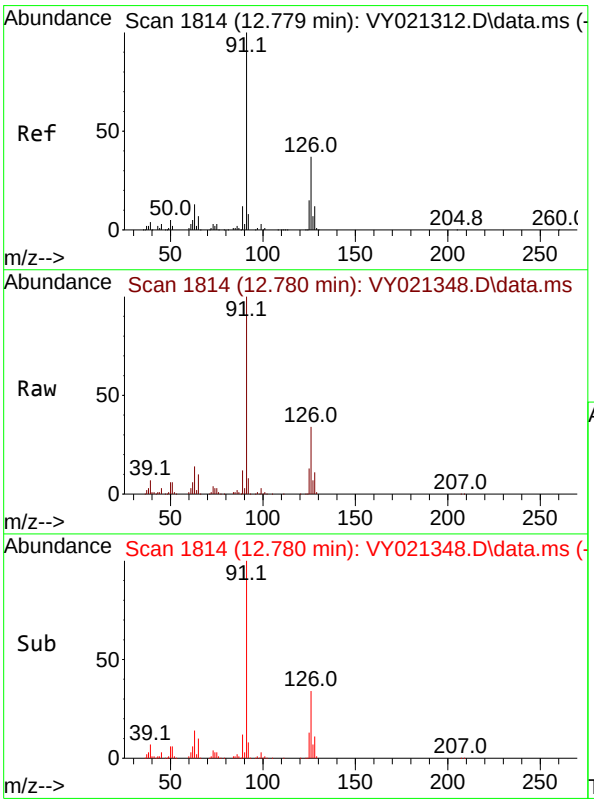
Ion	Ratio	Lower	Upper
75	100		
53	98.1	79.1	118.7
89	45.9	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

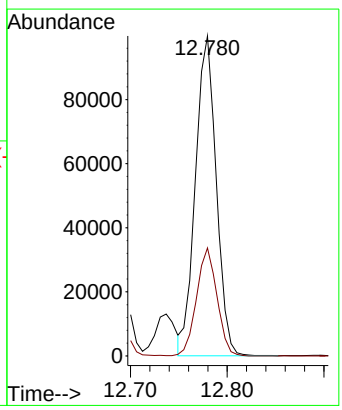


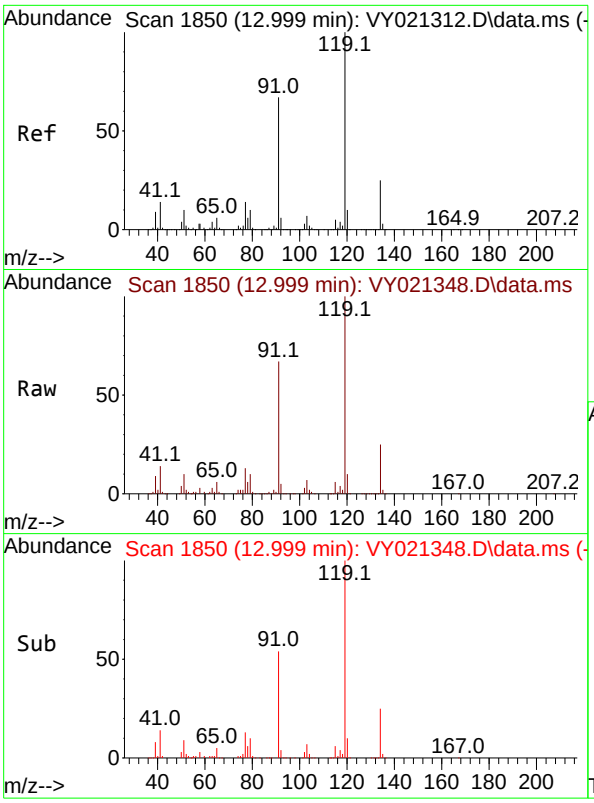


#82
4-Chlorotoluene
Concen: 19.935 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 91 Resp: 149541

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.8	50.4





#83
tert-Butylbenzene
Concen: 20.024 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

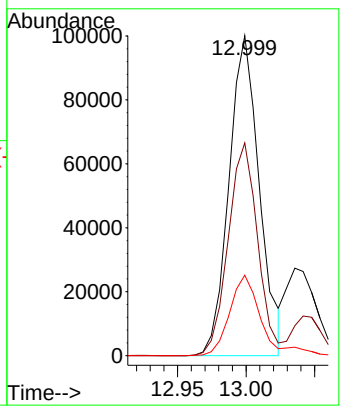
Tgt Ion:119 Resp: 15414

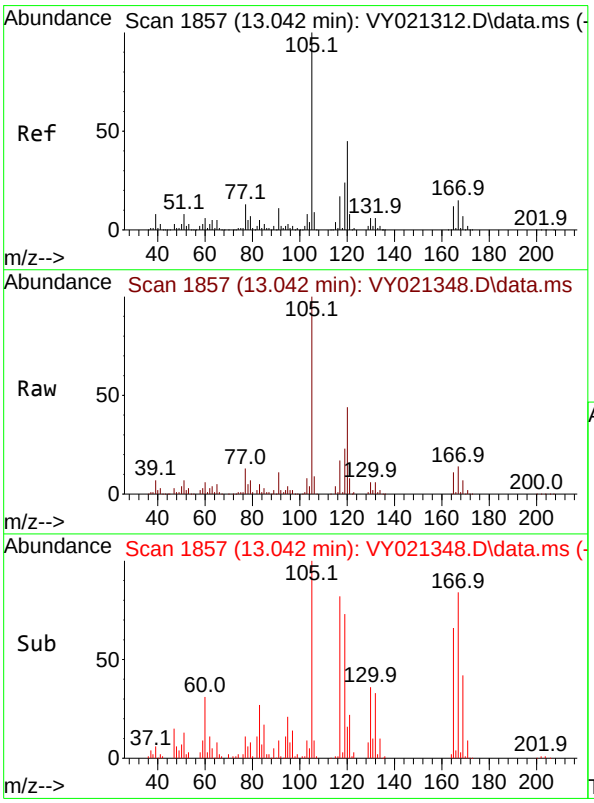
Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.7	98.1
134	26.2	13.3	39.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

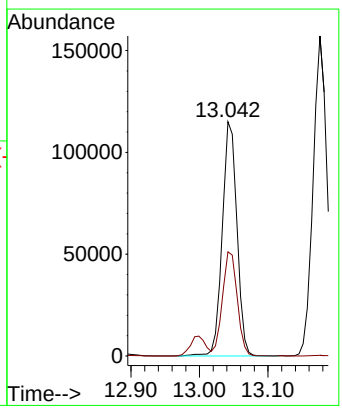


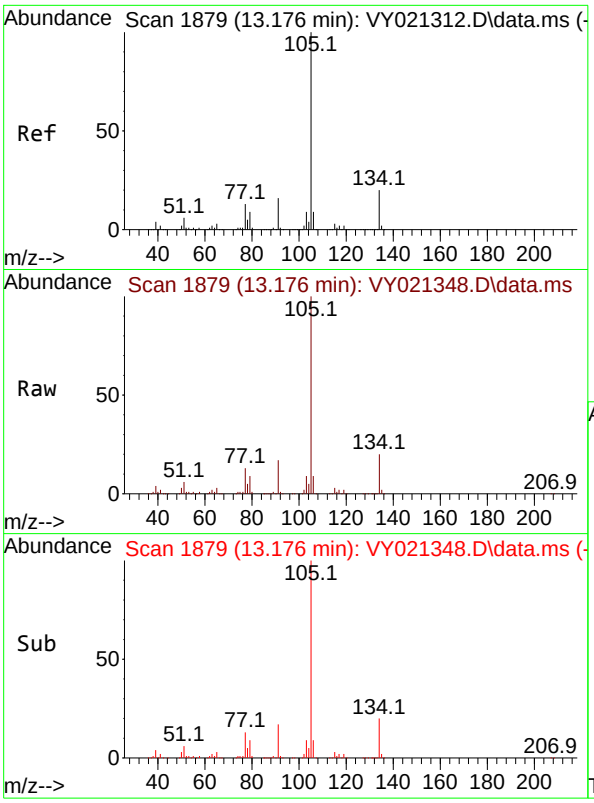


#84
1,2,4-Trimethylbenzene
Concen: 20.098 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:105 Resp: 170349

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.3





#85
sec-Butylbenzene
Concen: 20.012 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

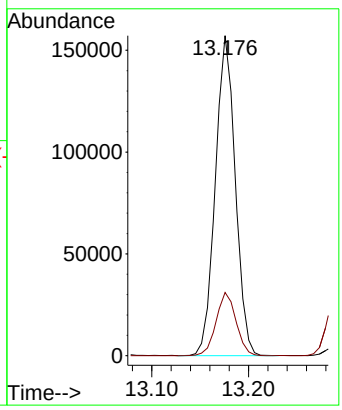
Tgt Ion:105 Resp: 22503

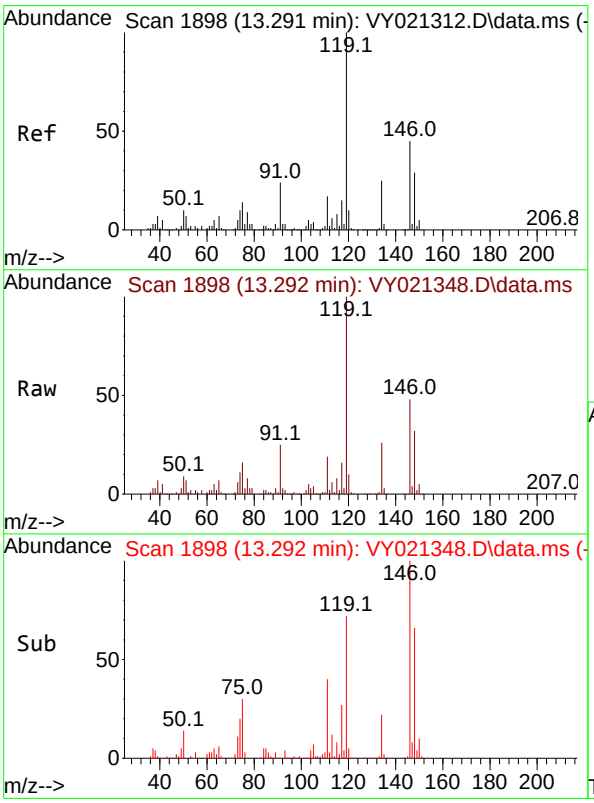
Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

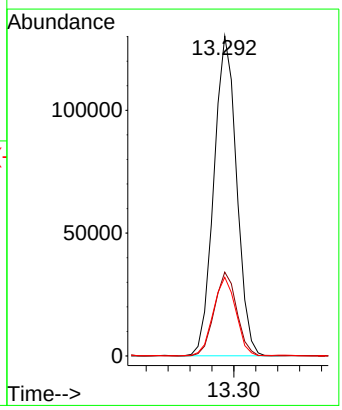


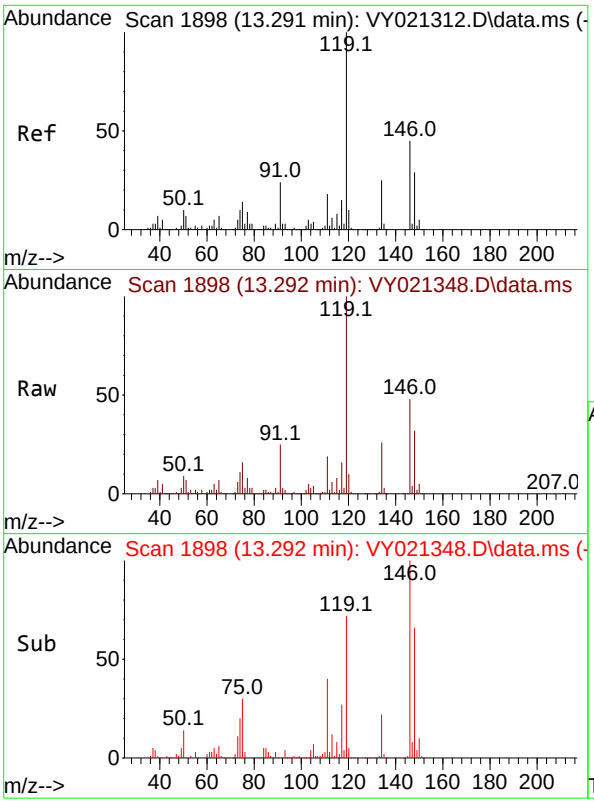


#86
p-Isopropyltoluene
Concen: 20.000 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:119 Resp: 187791

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	24.4	12.0	36.1

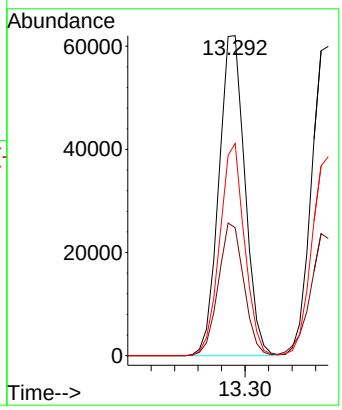




#87
1,3-Dichlorobenzene
Concen: 20.011 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:146 Resp: 9567

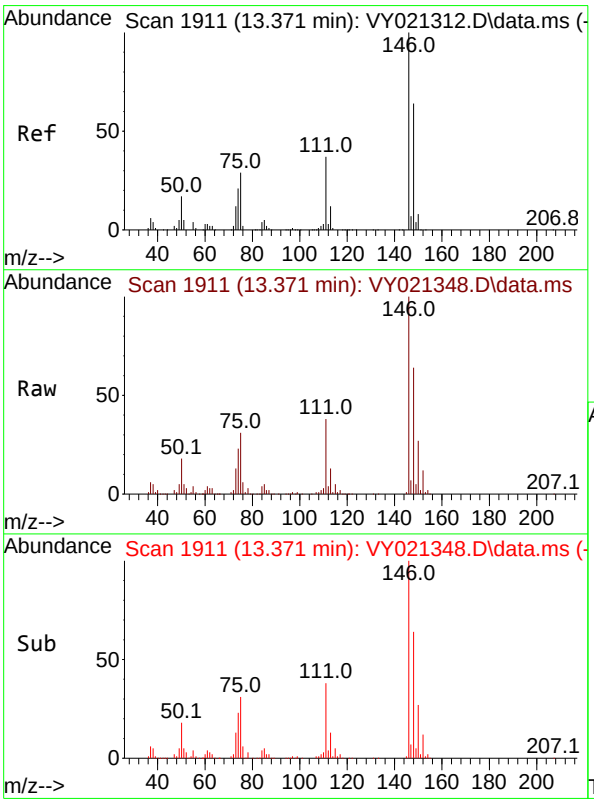
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	63.3	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

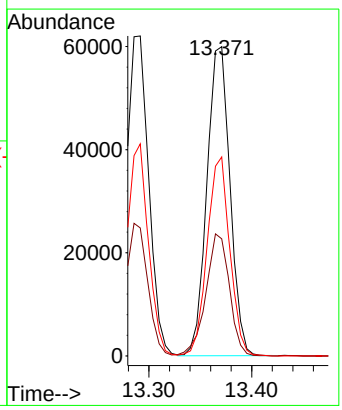
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

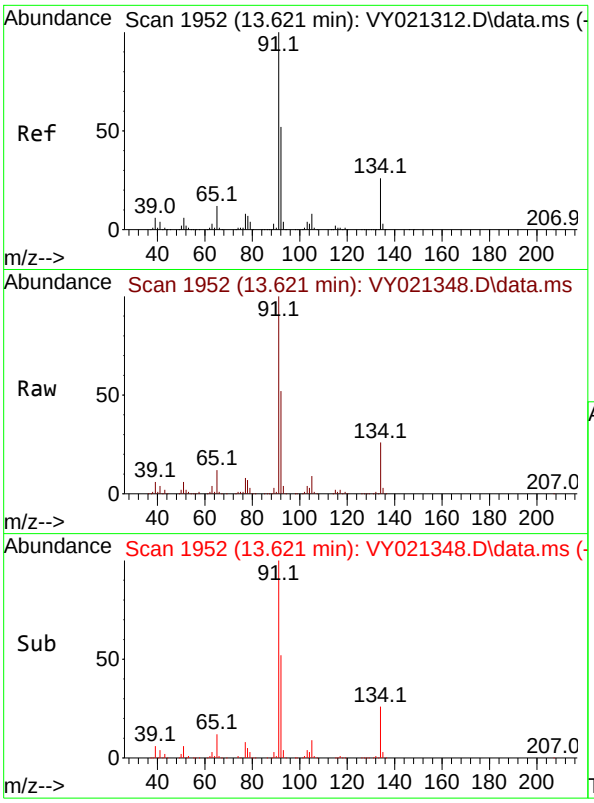


#88
1,4-Dichlorobenzene
Concen: 19.820 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:146 Resp: 93607

Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.5	58.5
148	63.2	32.0	96.2

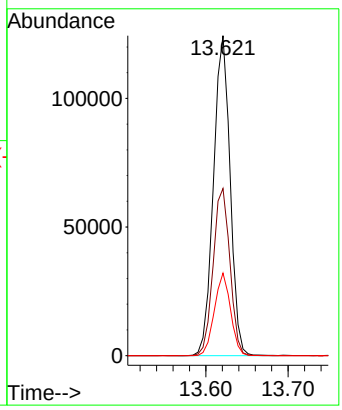




#89
n-Butylbenzene
Concen: 19.813 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 91 Resp: 17507

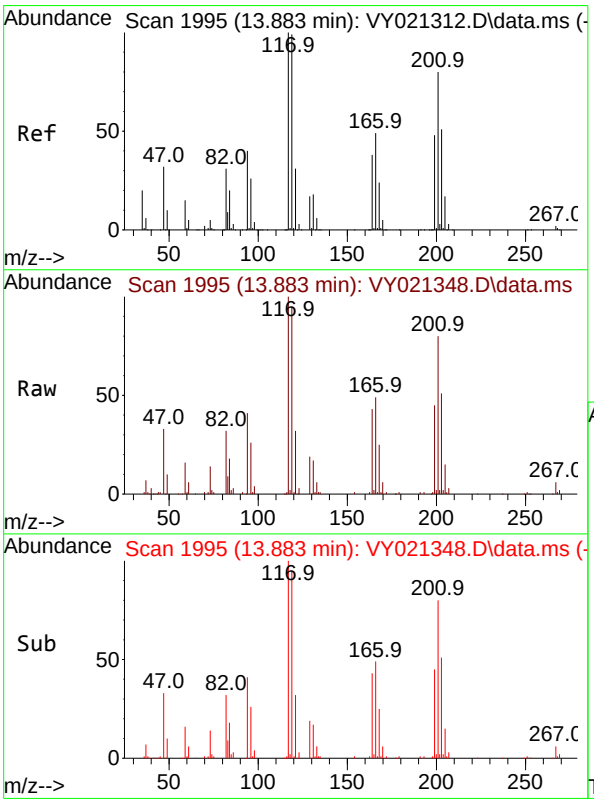
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.2
134	25.1	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

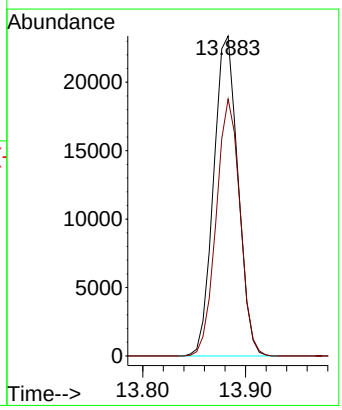
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

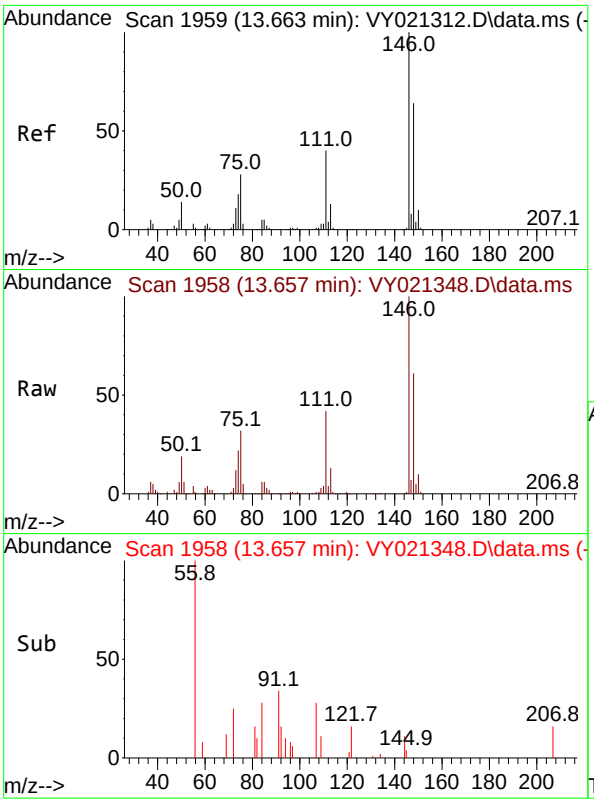


#90
Hexachloroethane
Concen: 19.583 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:117 Resp: 38407

Ion	Ratio	Lower	Upper
117	100		
201	78.5	38.4	115.2

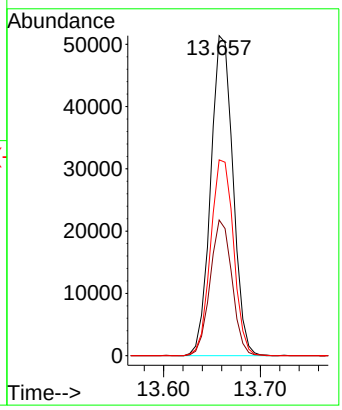




#91
1,2-Dichlorobenzene
Concen: 19.642 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:146 Resp: 8227

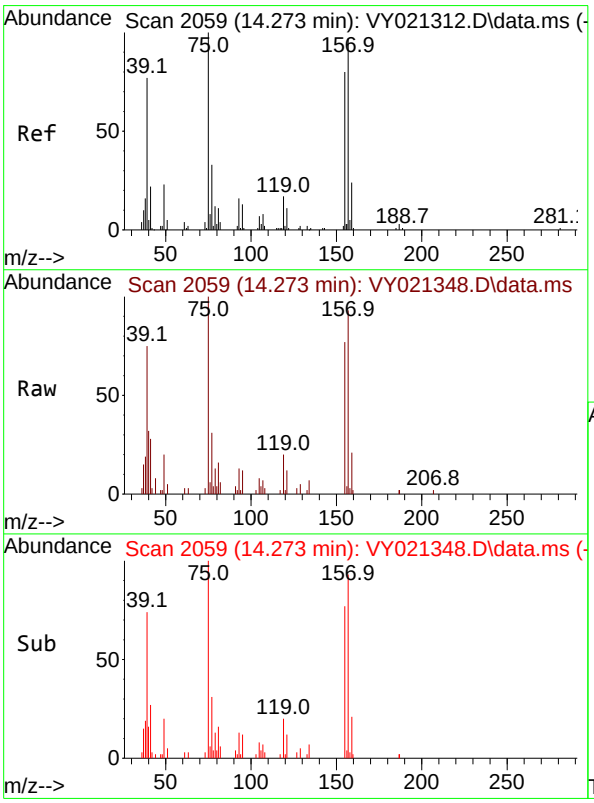
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	63.1	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

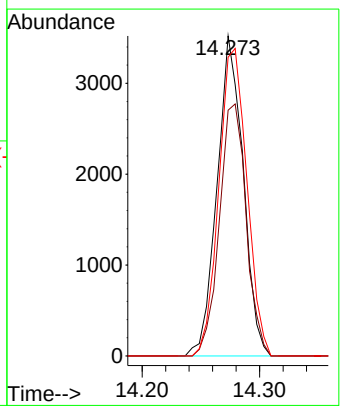
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

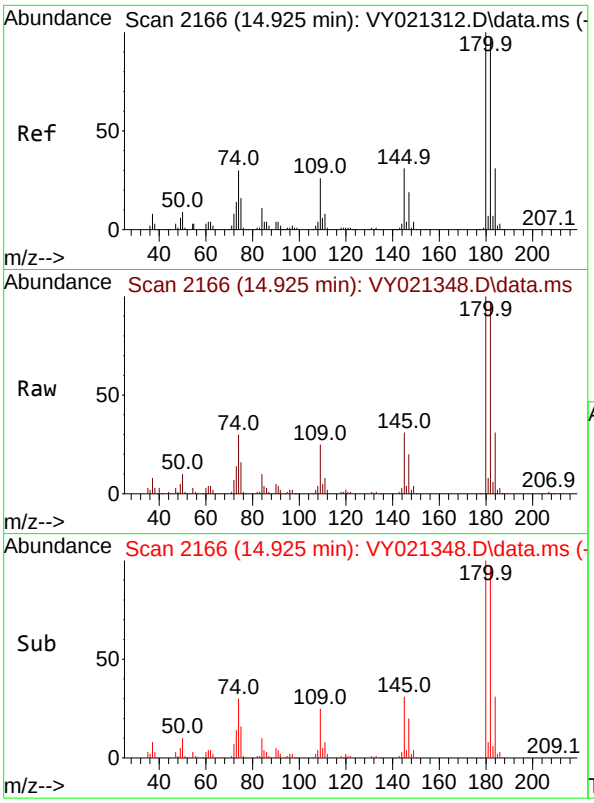


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.707 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion: 75 Resp: 5427

Ion	Ratio	Lower	Upper
75	100		
155	80.9	41.9	125.6
157	103.4	52.5	157.6

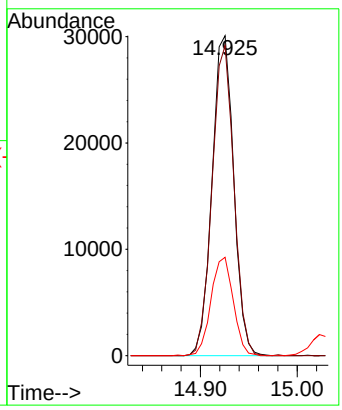




#93
1,2,4-Trichlorobenzene
Concen: 18.345 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:180 Resp: 4689

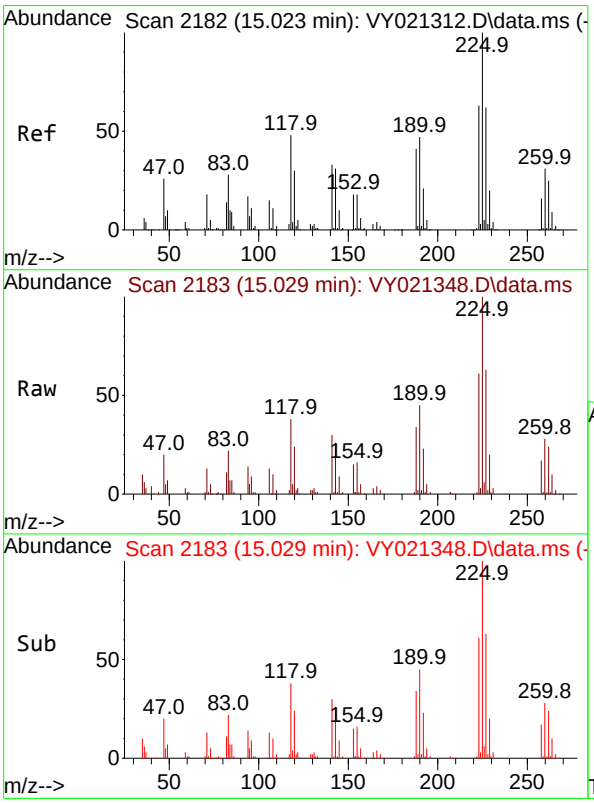
Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.9	143.7
145	31.5	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

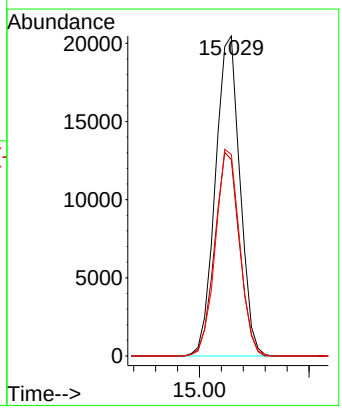
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025

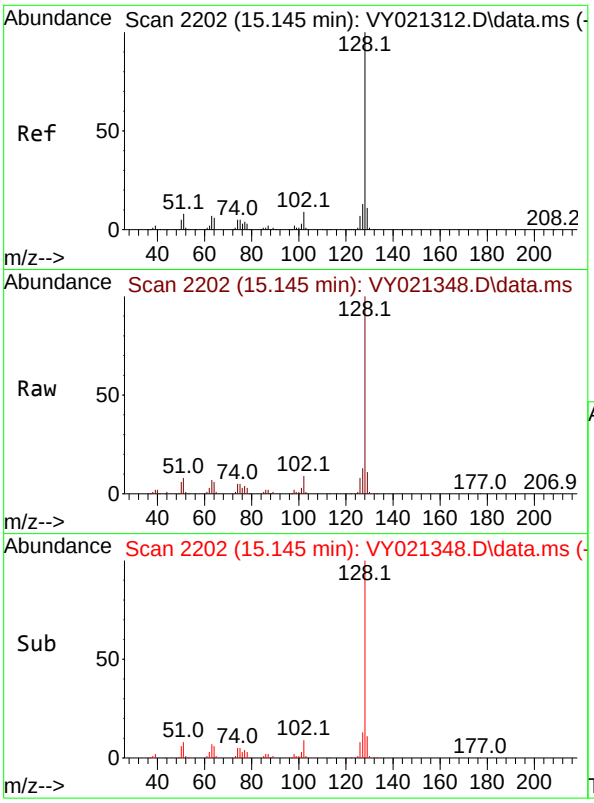


#94
Hexachlorobutadiene
Concen: 19.783 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:225 Resp: 31841

Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.8	95.4
227	64.0	31.9	95.7

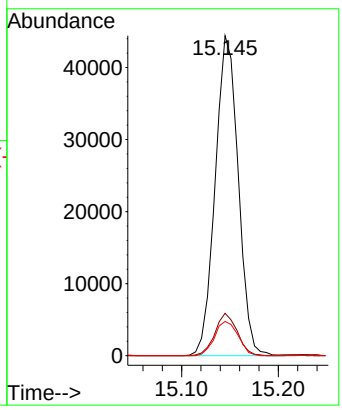




#95
Naphthalene
Concen: 17.339 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:128 Resp: 7342

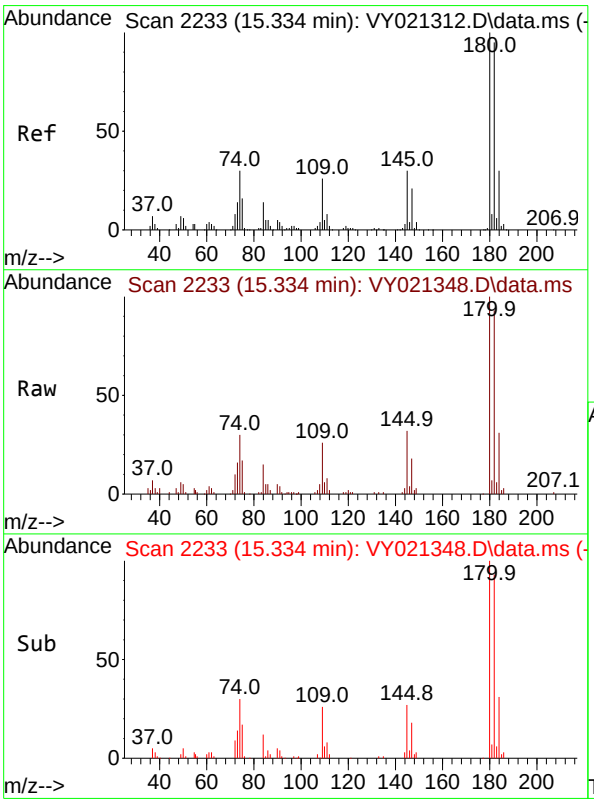
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBS01

Manual Integrations
APPROVED

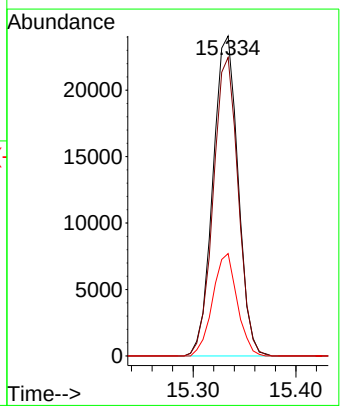
Reviewed By :Mahesh Dadoda 02/28/2025
Supervised By :Semsettin Yesilyurt 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.878 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021348.D
Acq: 27 Feb 2025 11:18

Tgt Ion:180 Resp: 40776

Ion	Ratio	Lower	Upper
180	100		
182	92.6	48.3	144.9
145	31.3	16.1	48.3



Raw Data: **VY021377.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0228SBS01	SDG No.:	Q1421
Lab Sample ID:	VY0228SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021377.D	1		02/28/25 11:32	VY022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.6		1.70	5.00	ug/Kg
74-87-3	Chloromethane	17.7		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.3		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.1		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.1		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.0		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.8		0.78	5.00	ug/Kg
67-64-1	Acetone	77.6		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.4		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.8		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	18.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.1		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.4		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	18.2		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.1		0.69	5.00	ug/Kg
78-93-3	2-Butanone	83.5		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.5		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.7		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	17.8		2.40	5.00	ug/Kg
67-66-3	Chloroform	18.9		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.1		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.1		0.87	5.00	ug/Kg
71-43-2	Benzene	19.1		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.5		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.6		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.0		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.7		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	92.3		4.40	25.0	ug/Kg
108-88-3	Toluene	19.3		0.67	5.00	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0228SBS01	SDG No.:	Q1421
Lab Sample ID:	VY0228SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021377.D	1		02/28/25 11:32	VY022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.6		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	18.7		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.7		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	91.3		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.5		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.4		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.1		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.2		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.70	5.00	ug/Kg
100-42-5	Styrene	19.6		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.2		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.9		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.5		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.3		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.5		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.4		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.7		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.2		63 - 155	86%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		70 - 134	91%	SPK: 50
2037-26-5	Toluene-d8	44.3		74 - 123	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		38 - 136	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	169000	7.707			
540-36-3	1,4-Difluorobenzene	257000	8.616			
3114-55-4	Chlorobenzene-d5	224000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.346			

Raw Data: **VY021377.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0228SBS01	SDG No.:	Q1421
Lab Sample ID:	VY0228SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021377.D	1		02/28/25 11:32	VY022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021377.D
Acq On : 28 Feb 2025 11:32
Operator : SY/MD
Sample : VY0228SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 28 22:18:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	168970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	257471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	224033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	82743	43.167	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 86.340%			
35) Dibromofluoromethane	7.640	113	77212	45.742	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.480%			
50) Toluene-d8	10.109	98	289320	44.349	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 88.700%			
62) 4-Bromofluorobenzene	12.408	95	95946	43.701	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	29723	18.553	ug/l	95
3) Chloromethane	2.068	50	36553	17.667	ug/l	99
4) Vinyl Chloride	2.202	62	39280	19.343	ug/l	93
5) Bromomethane	2.592	94	27186	20.145	ug/l	99
6) Chloroethane	2.732	64	25258	20.057	ug/l	98
7) Trichlorofluoromethane	3.056	101	61224	19.963	ug/l	96
8) Diethyl Ether	3.452	74	17417	18.921	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	34990	19.706	ug/l	100
10) Methyl Iodide	4.007	142	34422	18.427	ug/l	99
11) Tert butyl alcohol	4.866	59	12120	82.204	ug/l	99
12) 1,1-Dichloroethene	3.793	96	31916	18.772	ug/l	91
13) Acrolein	3.647	56	16459	145.677	ug/l	97
14) Allyl chloride	4.385	41	49721	16.495	ug/l	96
15) Acrylonitrile	5.061	53	36749	90.297	ug/l	99
16) Acetone	3.872	43	28550	77.647	ug/l	94
17) Carbon Disulfide	4.104	76	98237	17.401	ug/l	97
18) Methyl Acetate	4.385	43	16534	18.400	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	84448	18.800	ug/l	100
20) Methylene Chloride	4.616	84	37924	19.074	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	34397	18.378	ug/l	96
22) Diisopropyl ether	6.018	45	110995	17.794	ug/l	97
23) Vinyl Acetate	5.964	43	324772	87.130	ug/l	98
24) 1,1-Dichloroethane	5.915	63	63844	18.160	ug/l	99
25) 2-Butanone	6.890	43	46319	83.468	ug/l	97
26) 2,2-Dichloropropane	6.890	77	56022	17.561	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	39898	18.668	ug/l	96
28) Bromochloromethane	7.244	49	27733	17.828	ug/l	92
29) Tetrahydrofuran	7.262	42	31461	86.734	ug/l	97
30) Chloroform	7.421	83	67278	18.886	ug/l	97
31) Cyclohexane	7.701	56	57900	17.133	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	61837	19.070	ug/l	100
36) 1,1-Dichloropropene	7.835	75	47878	18.883	ug/l	99
37) Ethyl Acetate	6.988	43	22949	18.195	ug/l	98
38) Carbon Tetrachloride	7.817	117	55703	19.541	ug/l	99
39) Methylcyclohexane	9.109	83	58155	18.134	ug/l	97
40) Benzene	8.079	78	143523	19.148	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021377.D
Acq On : 28 Feb 2025 11:32
Operator : SY/MD
Sample : VY0228SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 28 22:18:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	12586m	17.848	ug/l		
42) 1,2-Dichloroethane	8.158	62	41428	19.481	ug/l		97
43) Isopropyl Acetate	8.195	43	44479	18.220	ug/l		99
44) Trichloroethene	8.865	130	36816	19.619	ug/l		96
45) 1,2-Dichloropropane	9.140	63	34360	19.049	ug/l		99
46) Dibromomethane	9.231	93	19456	19.733	ug/l		97
47) Bromodichloromethane	9.426	83	51835	19.717	ug/l		98
48) Methyl methacrylate	9.219	41	19952	17.477	ug/l		94
49) 1,4-Dioxane	9.231	88	4114	375.255	ug/l		92
51) 4-Methyl-2-Pentanone	9.999	43	115289	92.255	ug/l		100
52) Toluene	10.170	92	89754	19.276	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	44692	18.555	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	53051	18.657	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	25241	19.651	ug/l		98
56) Ethyl methacrylate	10.438	69	33119	18.661	ug/l		98
57) 1,3-Dichloropropane	10.719	76	44249	19.632	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	75597	88.741	ug/l		97
59) 2-Hexanone	10.761	43	74950	91.322	ug/l		100
60) Dibromochloromethane	10.914	129	35624	20.364	ug/l		98
61) 1,2-Dibromoethane	11.011	107	23736	19.519	ug/l		97
64) Tetrachloroethene	10.646	164	34526	20.389	ug/l		98
65) Chlorobenzene	11.444	112	99308	19.747	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	35523	20.173	ug/l		100
67) Ethyl Benzene	11.524	91	170306	19.119	ug/l		99
68) m/p-Xylenes	11.633	106	131250	39.173	ug/l		98
69) o-Xylene	11.956	106	61033	19.445	ug/l		98
70) Styrene	11.969	104	102541	19.635	ug/l		99
71) Bromoform	12.133	173	20397	20.248	ug/l	#	99
73) Isopropylbenzene	12.255	105	164175	18.914	ug/l		100
74) N-amyl acetate	12.072	43	37786	17.127	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	29422	19.206	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	22194m	19.205	ug/l		
77) Bromobenzene	12.536	156	39235	19.434	ug/l		94
78) n-propylbenzene	12.597	91	196454	18.652	ug/l		98
79) 2-Chlorotoluene	12.682	91	113116	18.713	ug/l		97
80) 1,3,5-Trimethylbenzene	12.737	105	136074	19.114	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	8873	17.065	ug/l		96
82) 4-Chlorotoluene	12.779	91	115393	18.415	ug/l		98
83) tert-Butylbenzene	12.999	119	119869	18.640	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	135274	19.106	ug/l		99
85) sec-Butylbenzene	13.176	105	176579	18.799	ug/l		99
86) p-Isopropyltoluene	13.292	119	148920	18.987	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	77744	19.467	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	76272	19.333	ug/l		99
89) n-Butylbenzene	13.621	91	136569	18.503	ug/l		98
90) Hexachloroethane	13.883	117	30423	18.570	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	68082	19.458	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4491	18.532	ug/l		96
93) 1,2,4-Trichlorobenzene	14.925	180	39259	18.384	ug/l		99
94) Hexachlorobutadiene	15.029	225	25857	19.232	ug/l		99
95) Naphthalene	15.151	128	61755	17.459	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	33733	18.696	ug/l		98

Sample Results: **VY021377.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021377.D
Acq On : 28 Feb 2025 11:32
Operator : SY/MD
Sample : VY0228SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 28 22:18:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

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

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

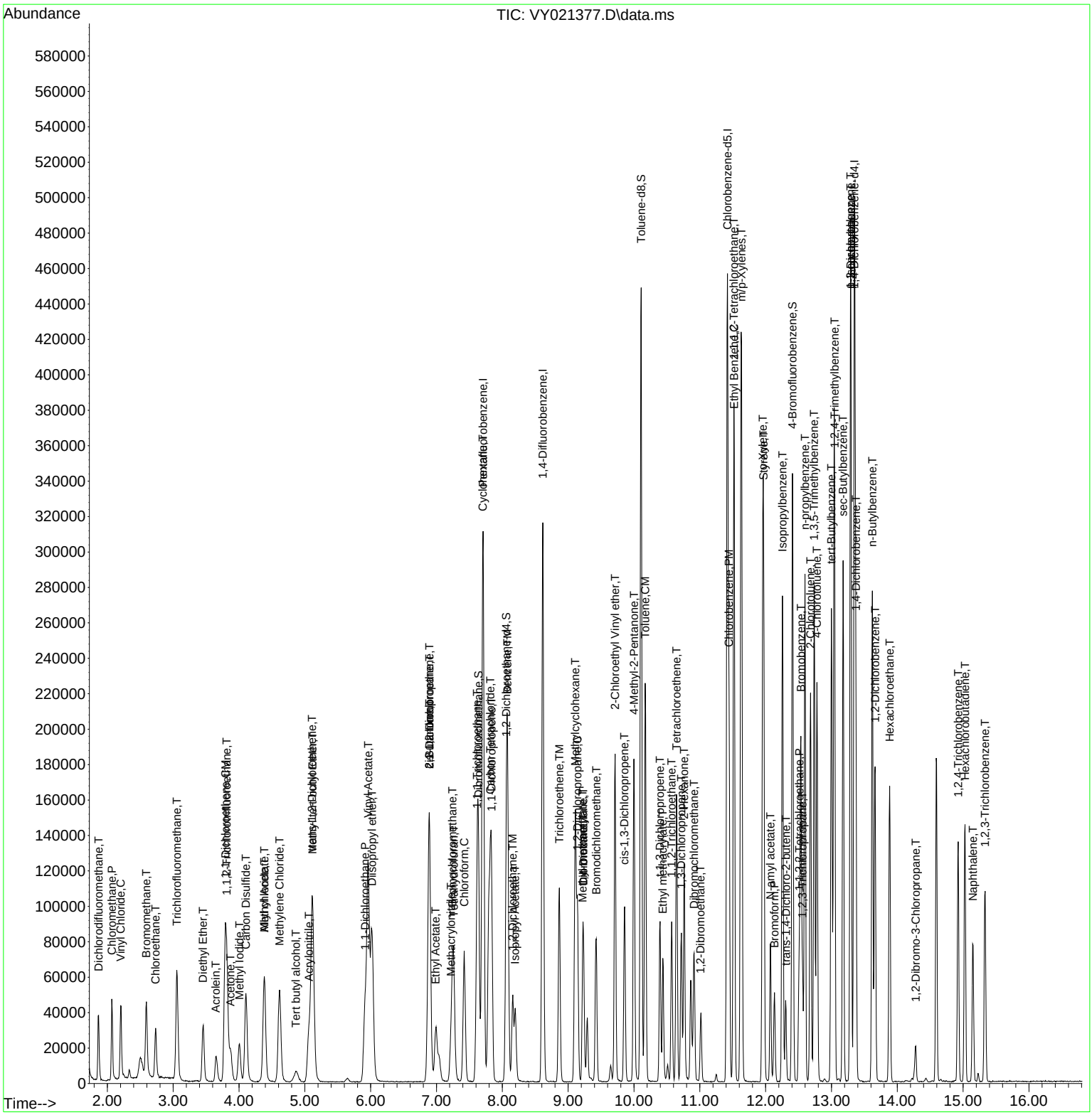
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021377.D
Acq On : 28 Feb 2025 11:32
Operator : SY/MD
Sample : VY0228SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

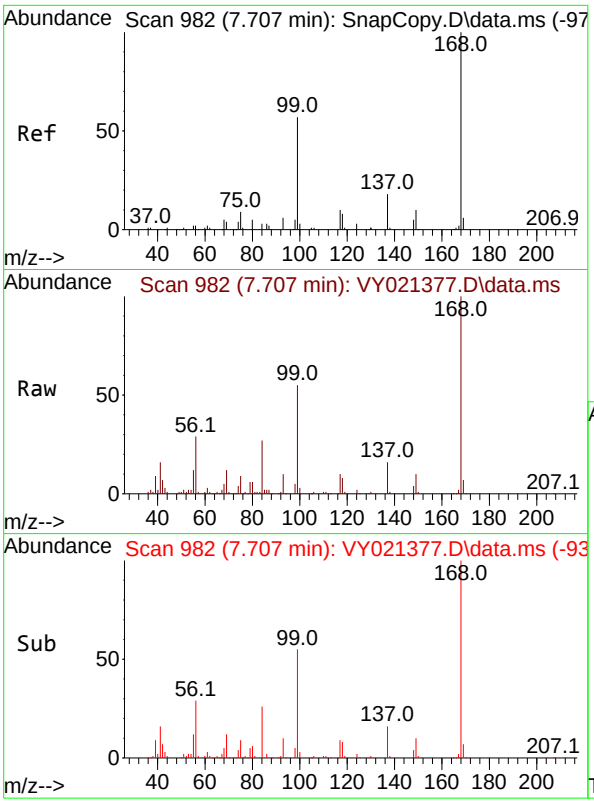
Quant Time: Feb 28 22:18:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

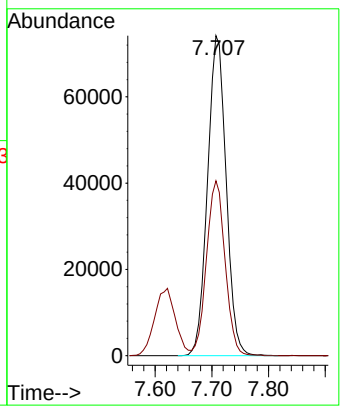




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:168 Resp: 16897

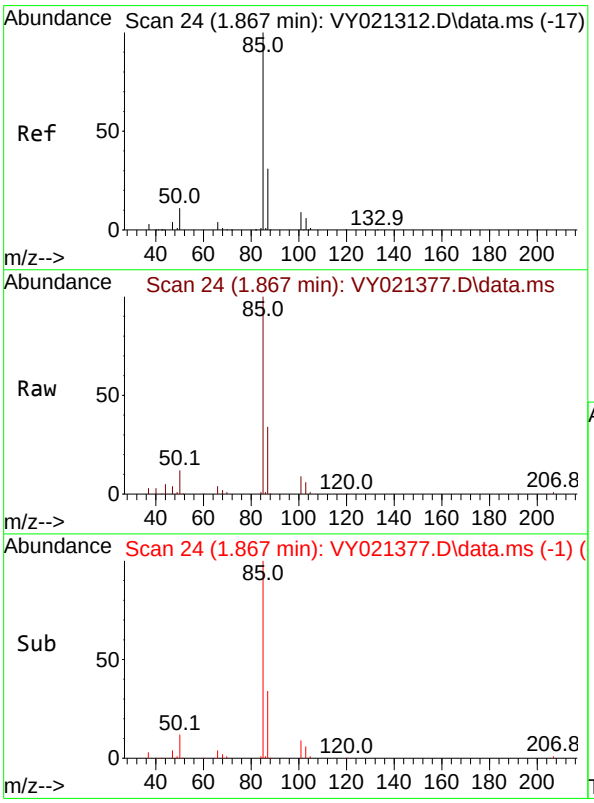
Ion	Ratio	Lower	Upper
168	100		
99	54.7	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

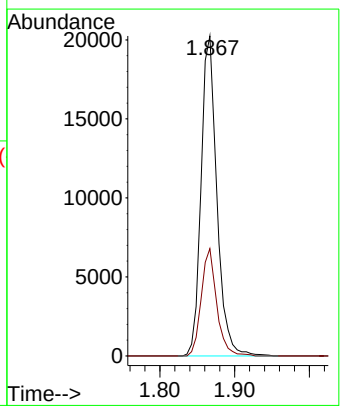
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

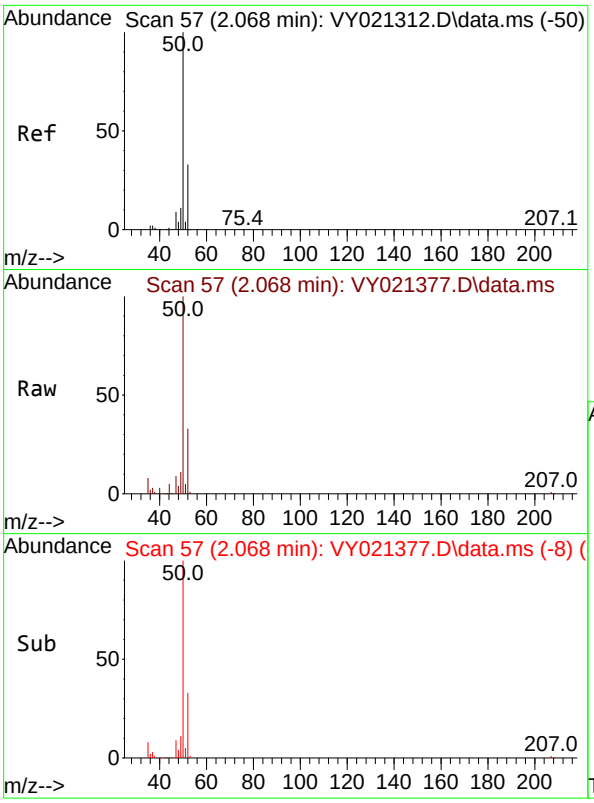


#2
Dichlorodifluoromethane
Concen: 18.553 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 85 Resp: 29723

Ion	Ratio	Lower	Upper
85	100		
87	33.6	15.4	46.4

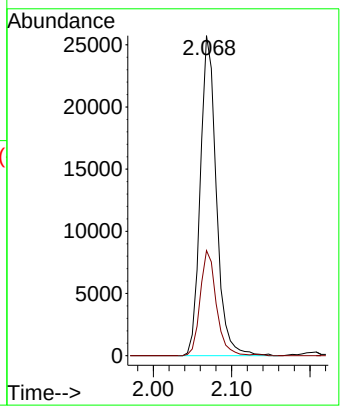




#3
Chloromethane
Concen: 17.667 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 50 Resp: 3655

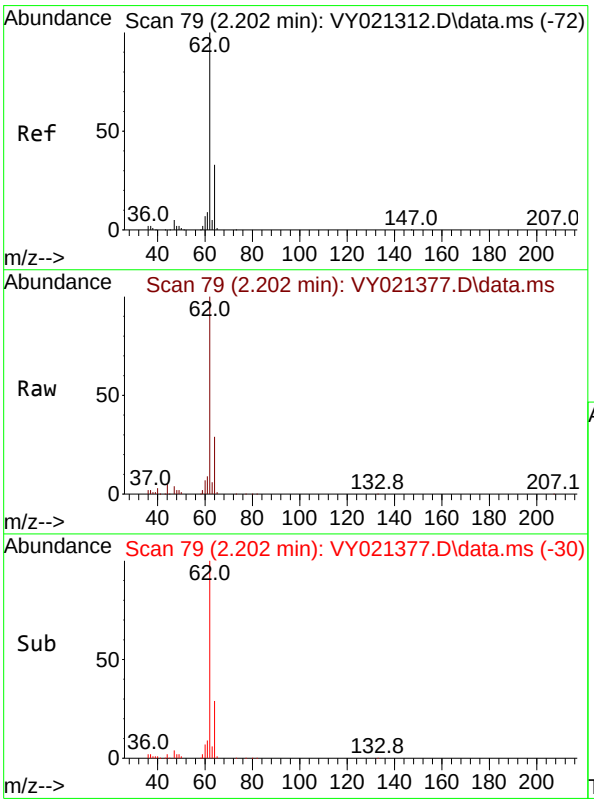
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

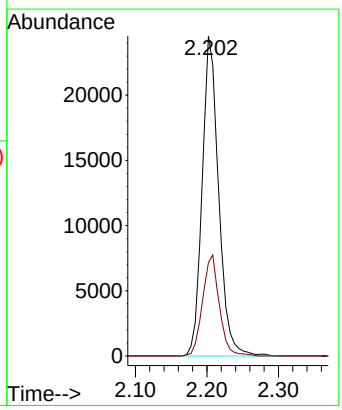
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

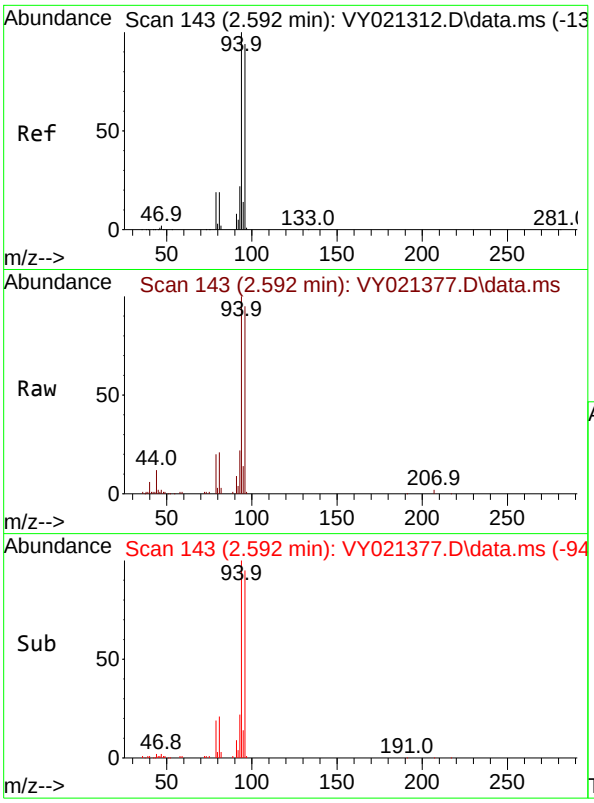


#4
Vinyl Chloride
Concen: 19.343 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 62 Resp: 39280

Ion	Ratio	Lower	Upper
62	100		
64	29.1	26.3	39.5





#5
Bromomethane
Concen: 20.145 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

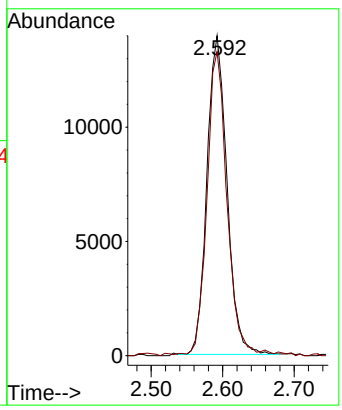
Tgt Ion: 94 Resp: 2718(

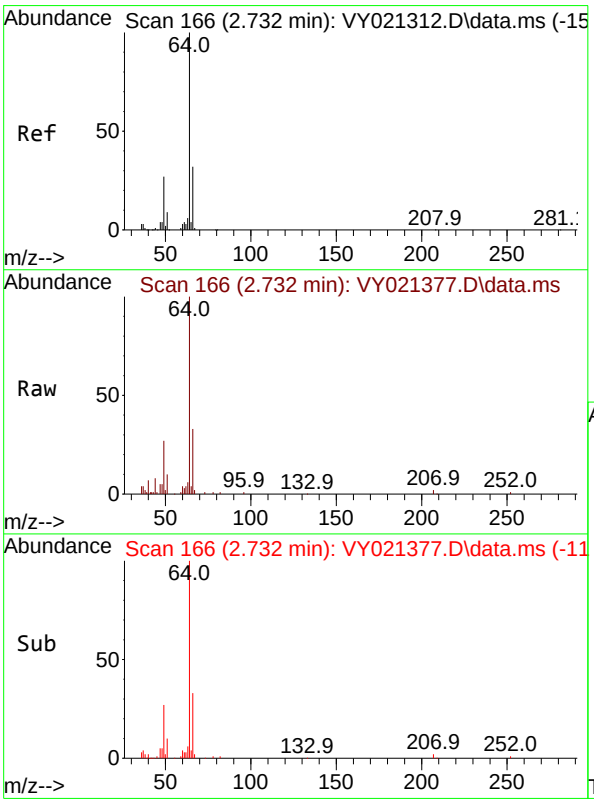
Ion	Ratio	Lower	Upper
94	100		
96	94.8	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

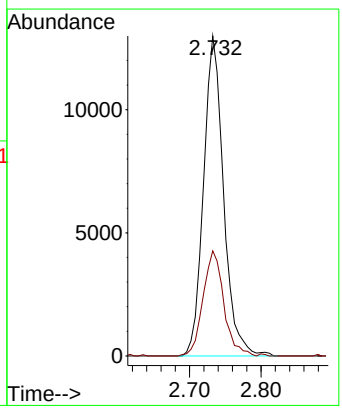


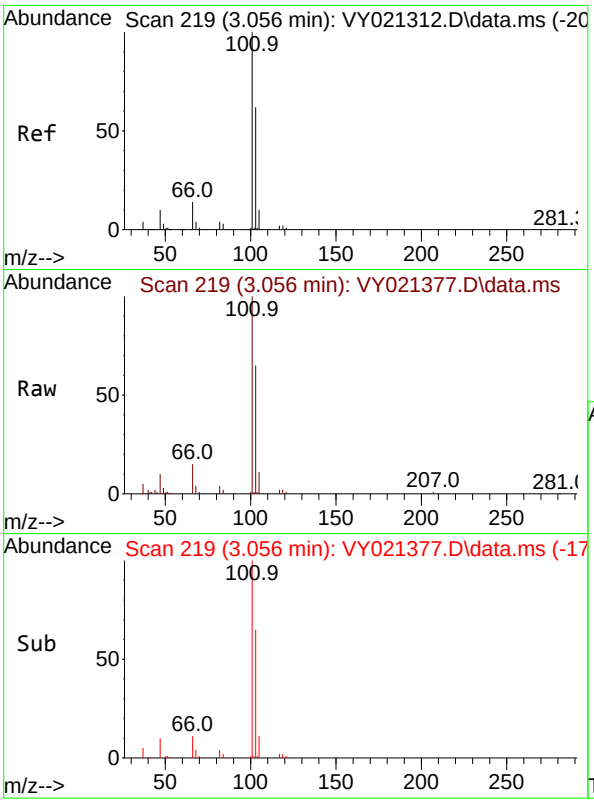


#6
Chloroethane
Concen: 20.057 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 64 Resp: 25258

Ion	Ratio	Lower	Upper
64	100		
66	32.8	25.4	38.0

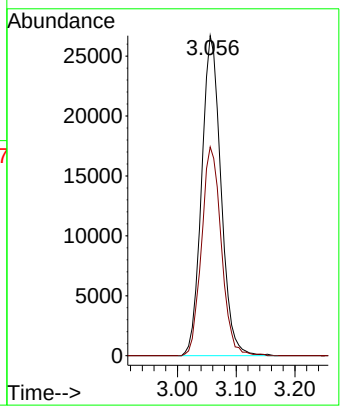




#7
Trichlorofluoromethane
Concen: 19.963 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:101 Resp: 6122

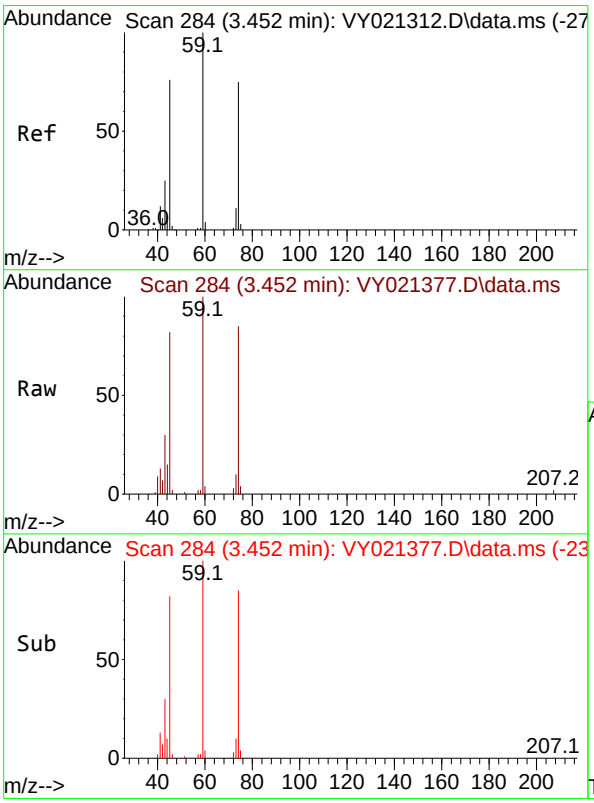
Ion	Ratio	Lower	Upper
101	100		
103	65.2	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

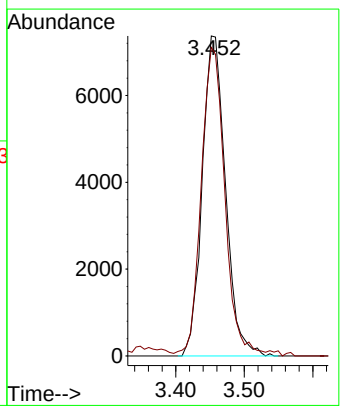
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

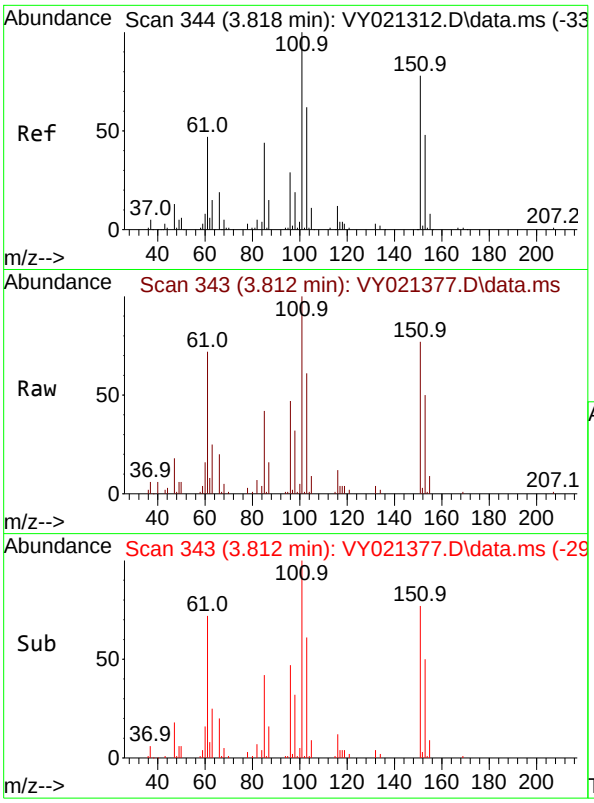


#8
Diethyl Ether
Concen: 18.921 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 74 Resp: 17417

Ion	Ratio	Lower	Upper
74	100		
45	95.5	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.706 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

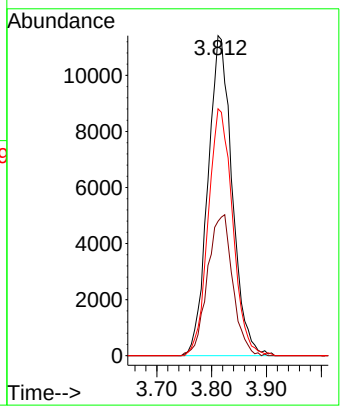
Tgt Ion:101 Resp: 3499

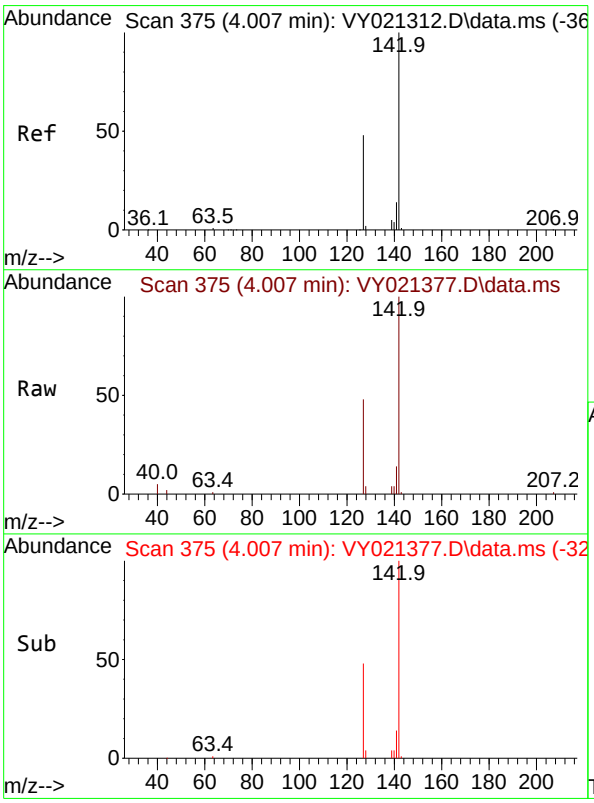
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.7	55.1
151	78.0	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

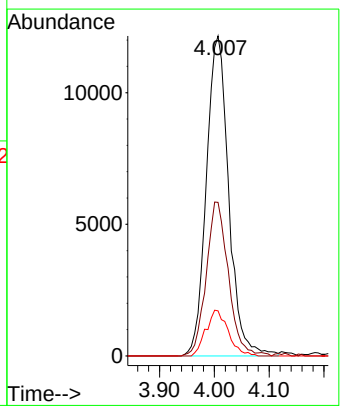


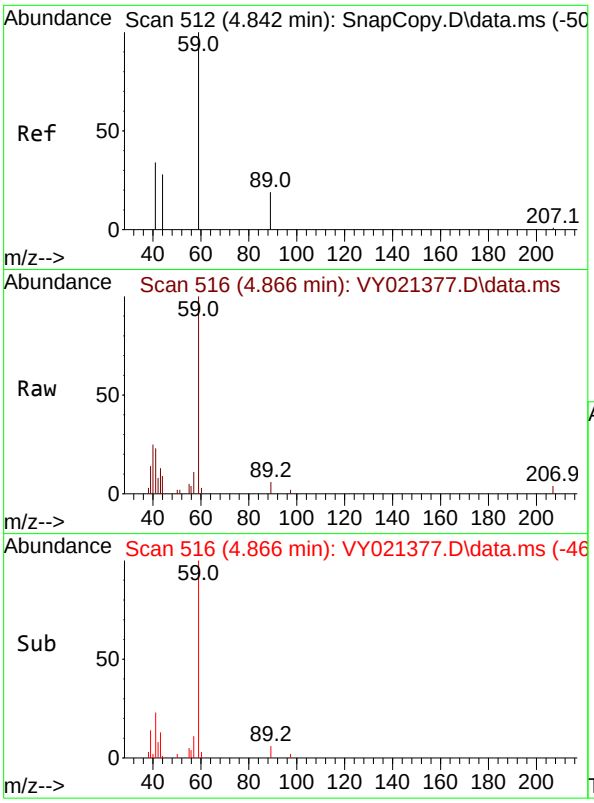


#10
Methyl Iodide
Concen: 18.427 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:142 Resp: 34422

Ion	Ratio	Lower	Upper
142	100		
127	47.7	39.2	58.8
141	14.3	11.4	17.2

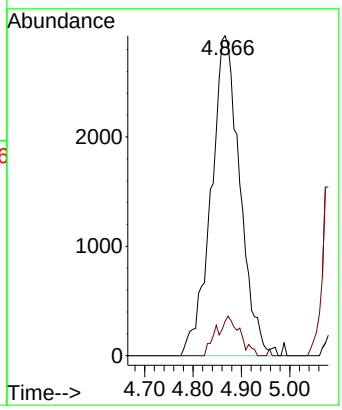




#11
Tert butyl alcohol
Concen: 82.204 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 59 Resp: 1212

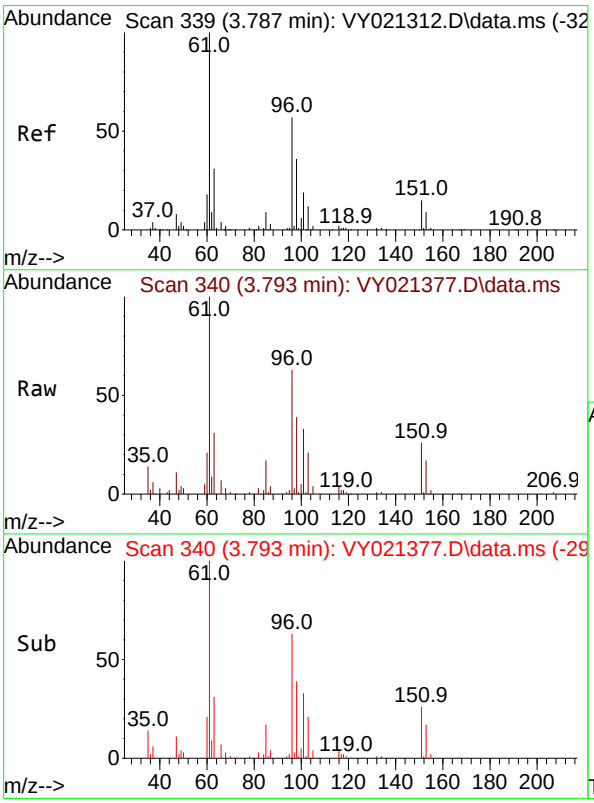
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

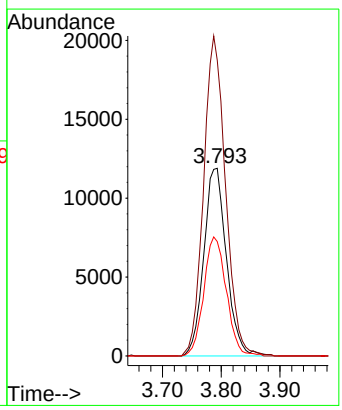
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

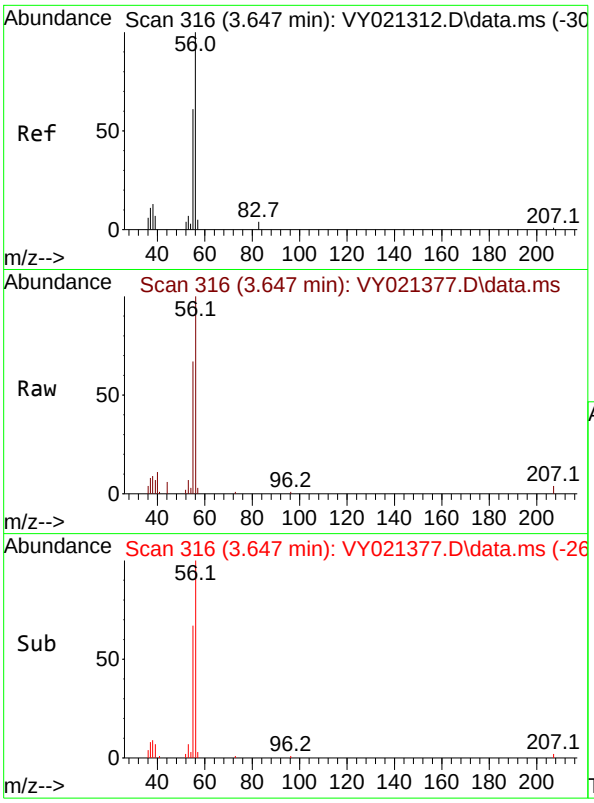


#12
1,1-Dichloroethene
Concen: 18.772 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 96 Resp: 31916

Ion	Ratio	Lower	Upper
96	100		
61	157.6	139.7	209.5
98	60.9	49.7	74.5

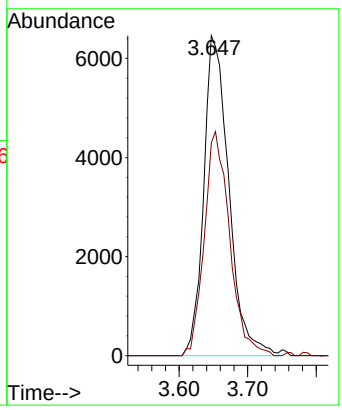




#13
Acrolein
Concen: 145.677 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 56 Resp: 1645

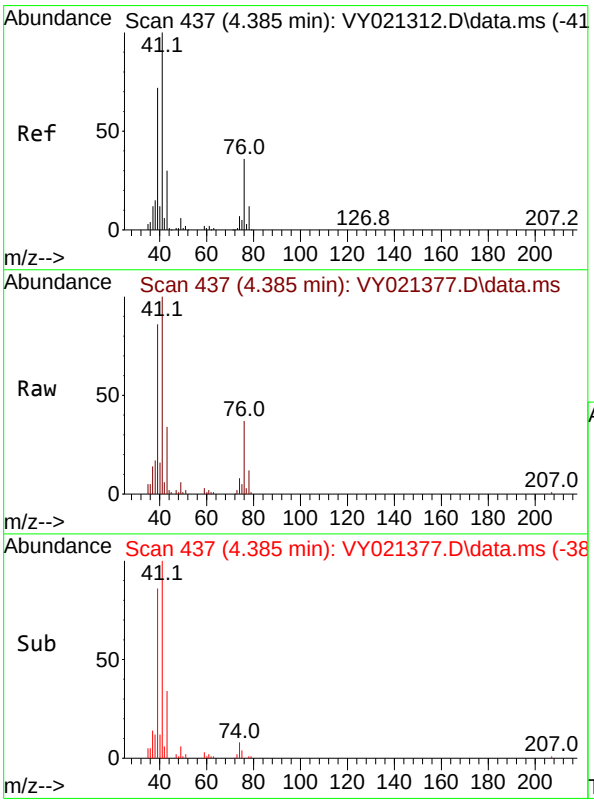
Ion	Ratio	Lower	Upper
56	100		
55	70.9	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

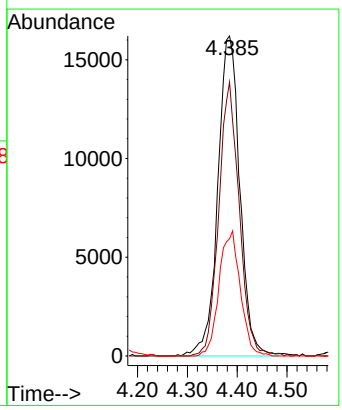
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

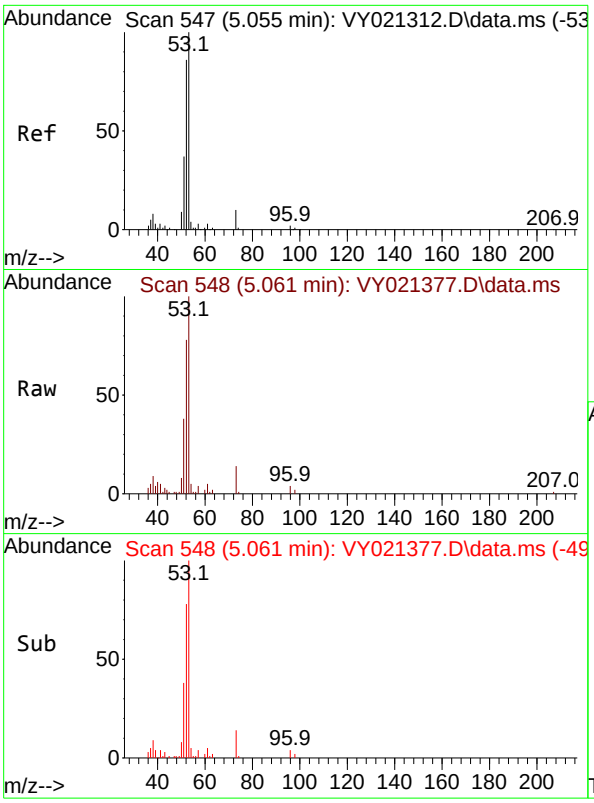


#14
Allyl chloride
Concen: 16.495 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 41 Resp: 49721

Ion	Ratio	Lower	Upper
41	100		
39	79.6	60.0	90.0
76	37.7	29.0	43.6





#15
Acrylonitrile
Concen: 90.297 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

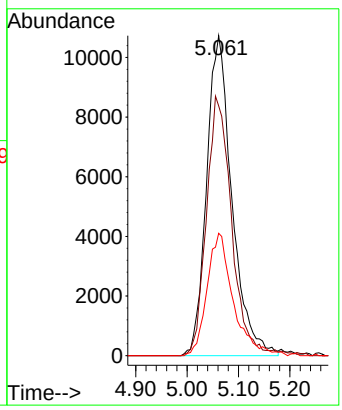
Tgt Ion: 53 Resp: 3674

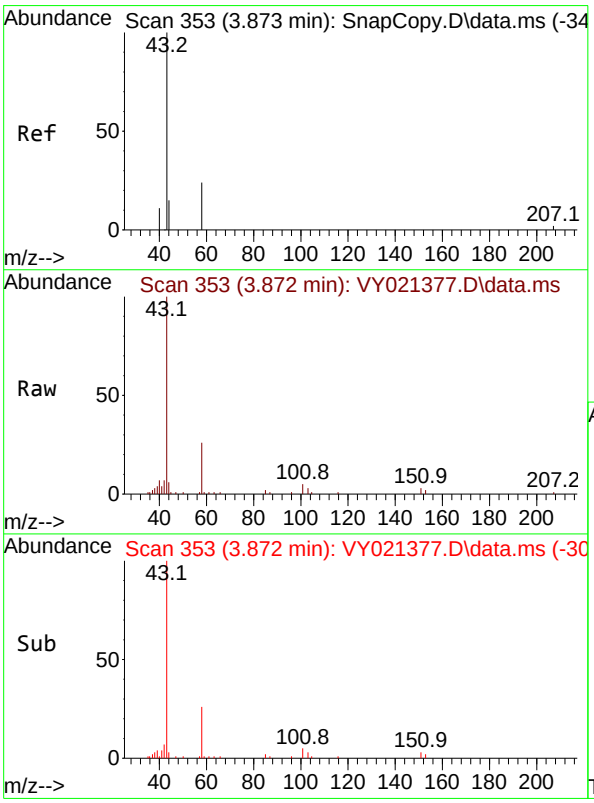
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.5	98.3
51	39.4	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

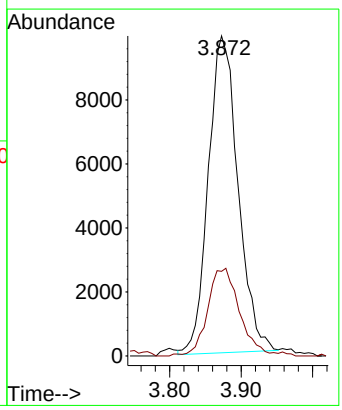


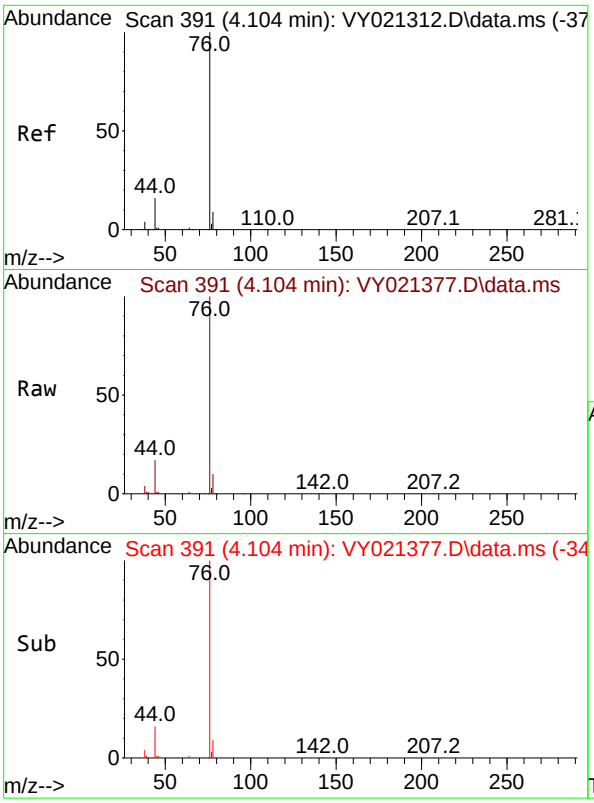


#16
Acetone
Concen: 77.647 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 43 Resp: 28550

Ion	Ratio	Lower	Upper
43	100		
58	26.3	23.5	35.3





#17
Carbon Disulfide
Concen: 17.401 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

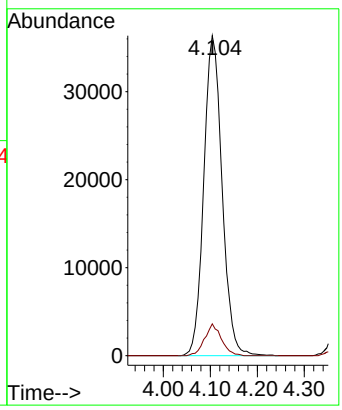
Tgt Ion: 76 Resp: 9823

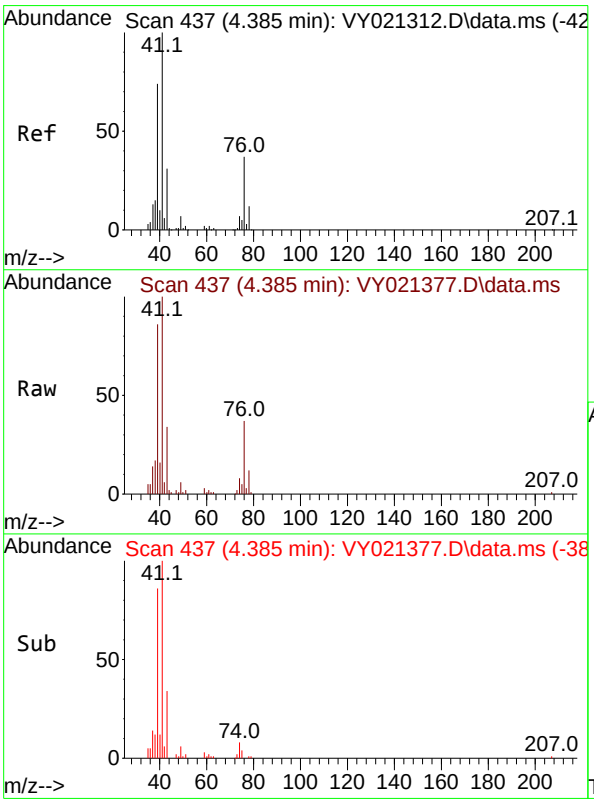
Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

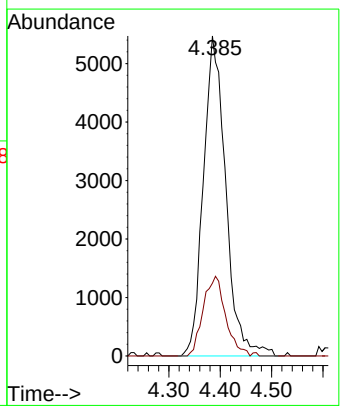


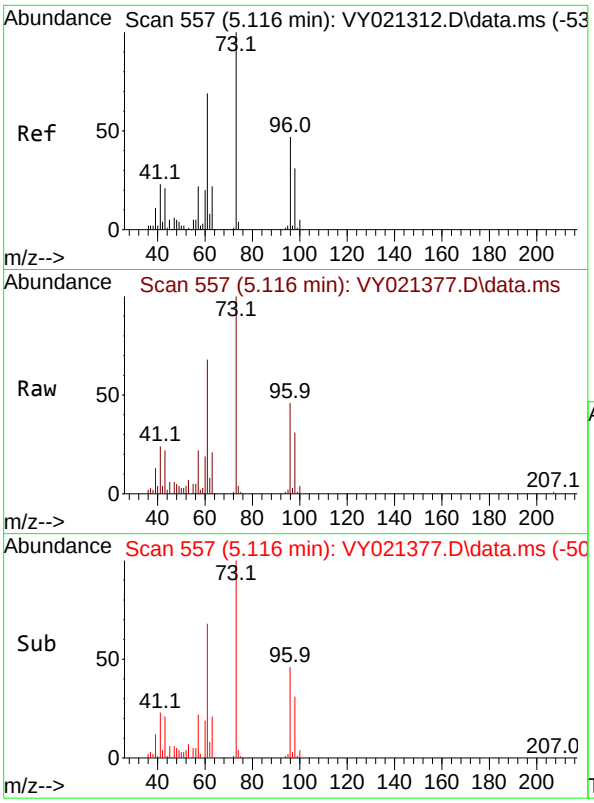


#18
Methyl Acetate
Concen: 18.400 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 43 Resp: 16534

Ion	Ratio	Lower	Upper
43	100		
74	25.0	17.7	26.5

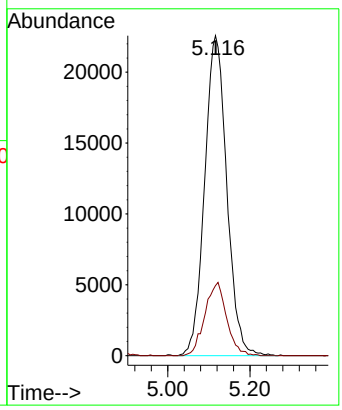




#19
Methyl tert-butyl Ether
Concen: 18.800 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 73 Resp: 8444

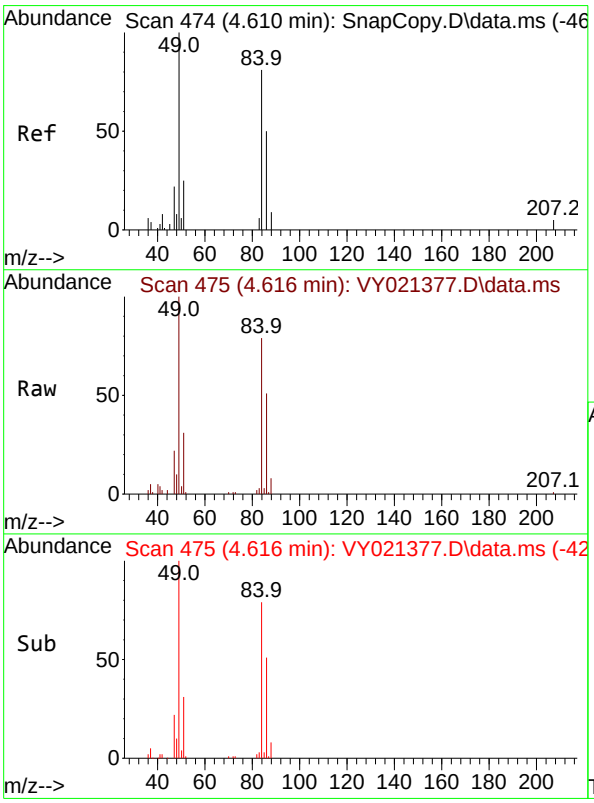
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

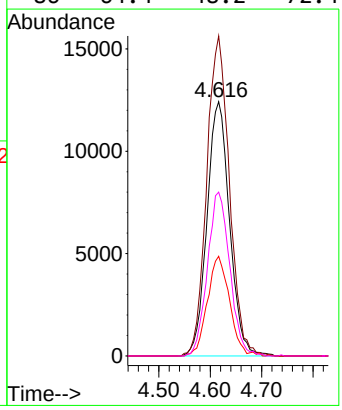
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

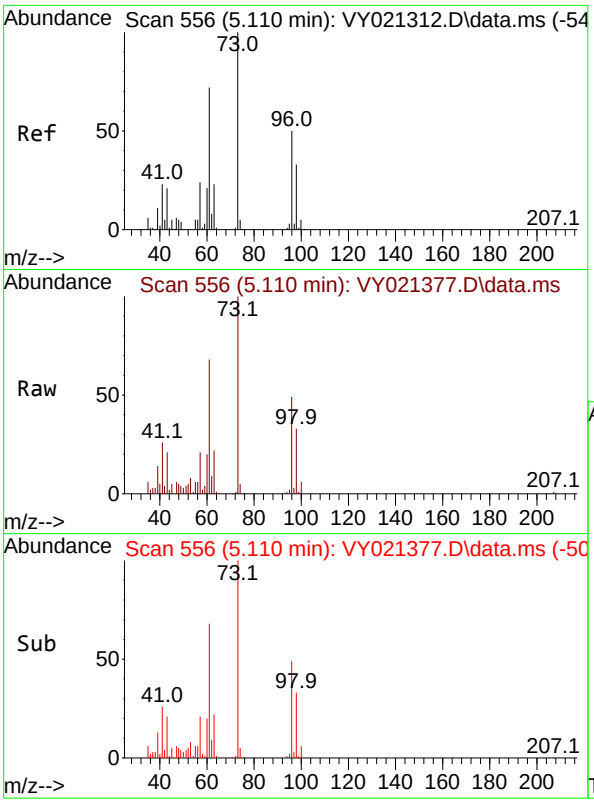


#20
Methylene Chloride
Concen: 19.074 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 84 Resp: 37924

Ion	Ratio	Lower	Upper
84	100		
49	125.8	105.1	157.7
51	39.2	31.0	46.4
86	64.4	48.2	72.4

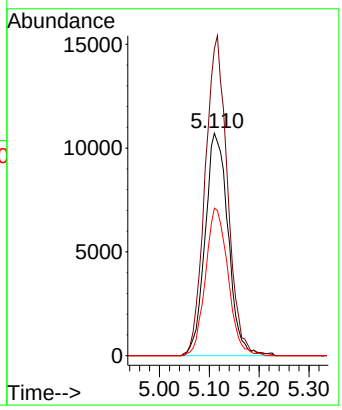




#21
trans-1,2-Dichloroethene
Concen: 18.378 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 96 Resp: 3439

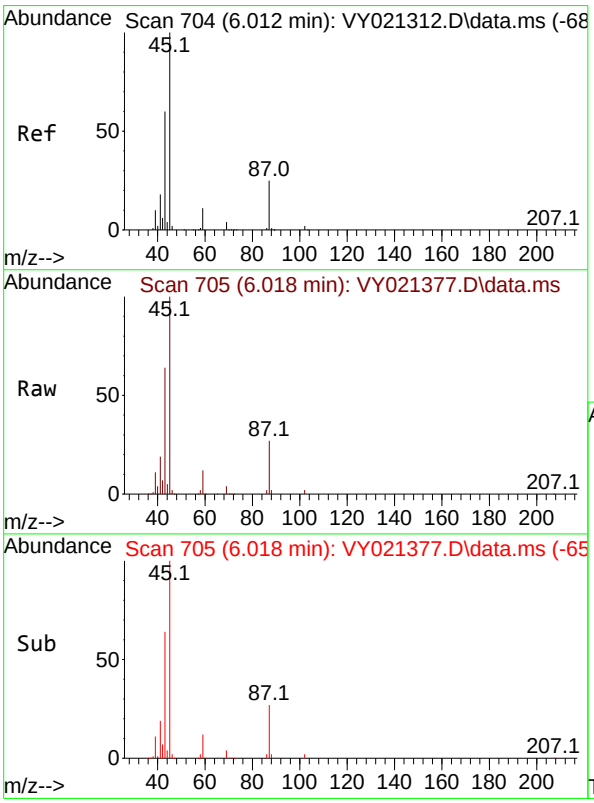
Ion	Ratio	Lower	Upper
96	100		
61	138.0	116.3	174.5
98	66.3	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

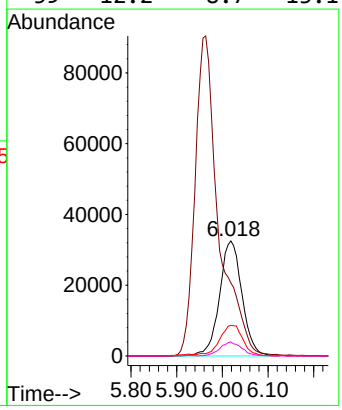
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

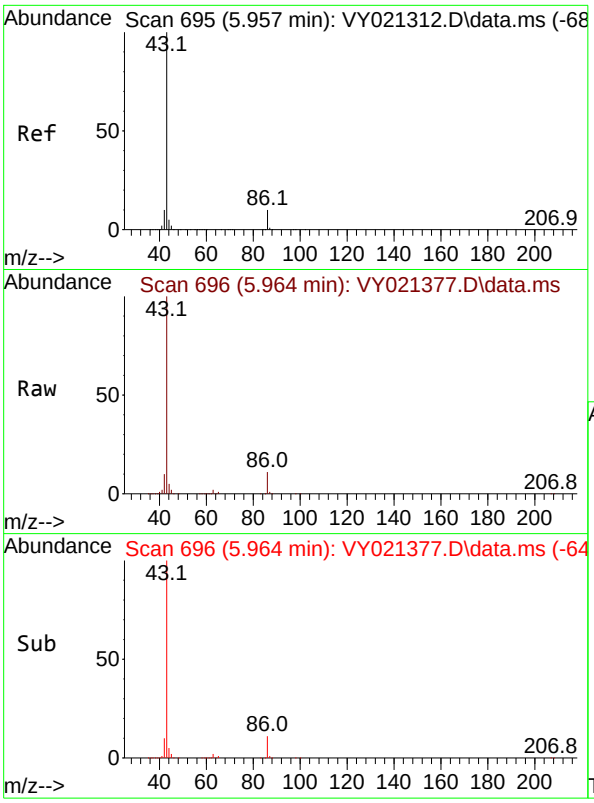


#22
Diisopropyl ether
Concen: 17.794 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 45 Resp: 110995

Ion	Ratio	Lower	Upper
45	100		
43	62.5	48.2	72.4
87	26.5	20.3	30.5
59	12.2	8.7	13.1





#23
Vinyl Acetate
Concen: 87.130 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

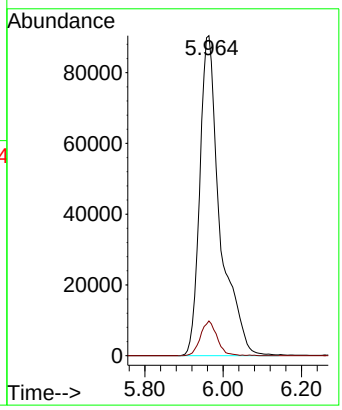
Tgt Ion: 43 Resp: 32477

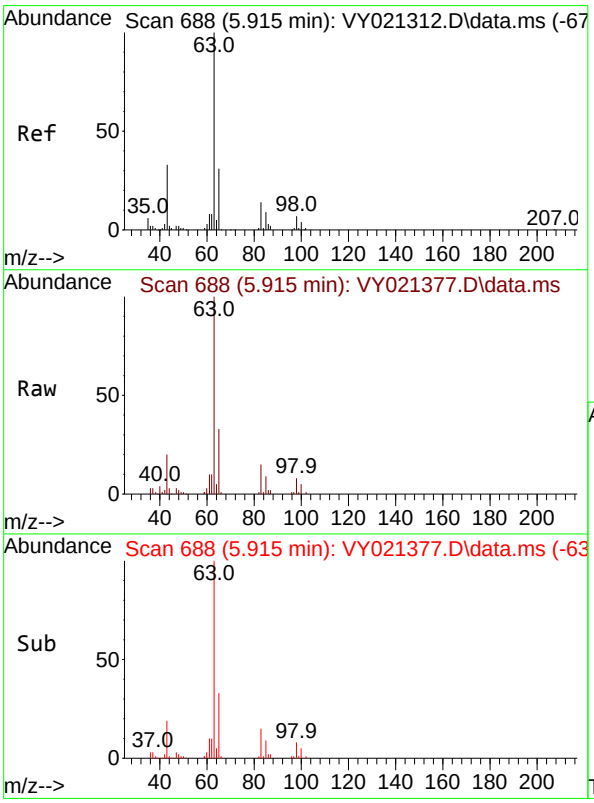
Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

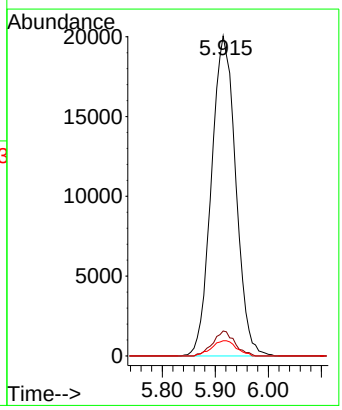


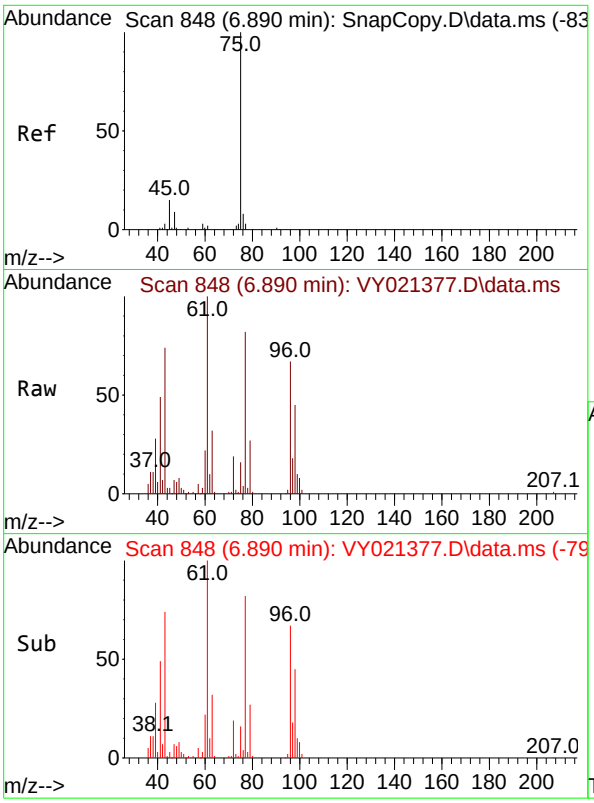


#24
1,1-Dichloroethane
Concen: 18.160 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 63 Resp: 63844

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.7	11.1
100	4.7	2.1	6.5





#25
2-Butanone
Concen: 83.468 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

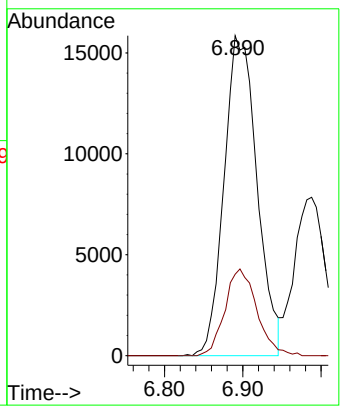
Tgt Ion: 43 Resp: 4631

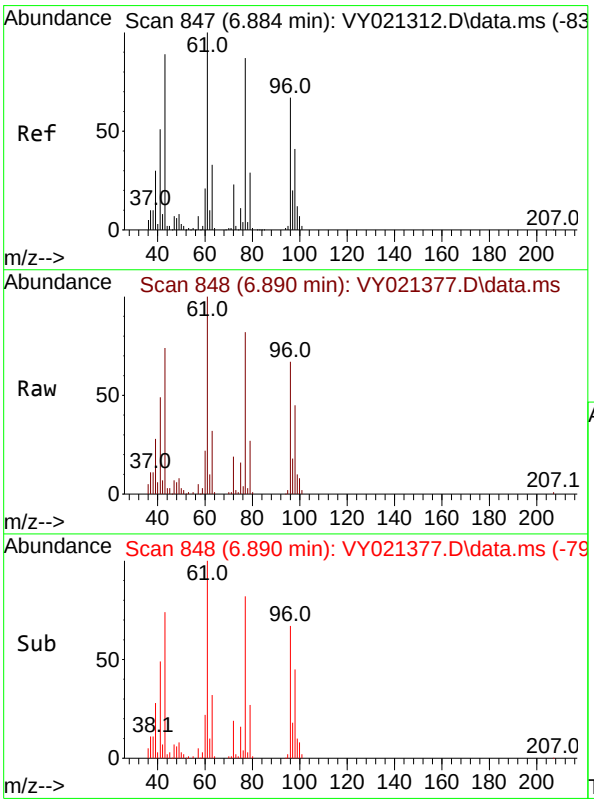
Ion	Ratio	Lower	Upper
43	100		
72	25.5	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

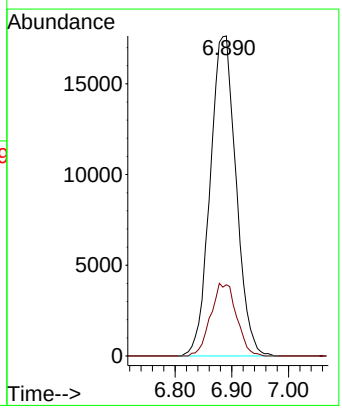


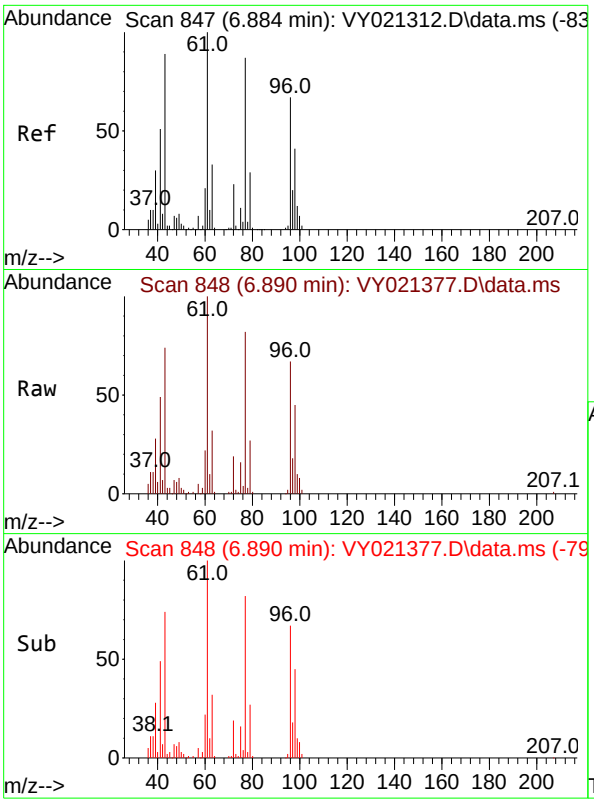


#26
2,2-Dichloropropane
Concen: 17.561 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 77 Resp: 56022

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 18.668 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

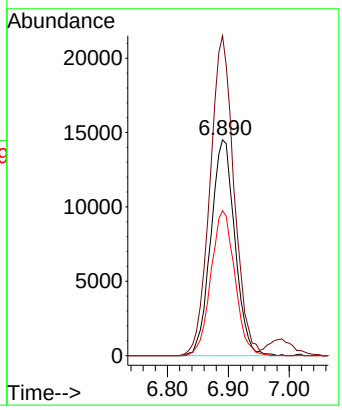
Tgt Ion: 96 Resp: 3989

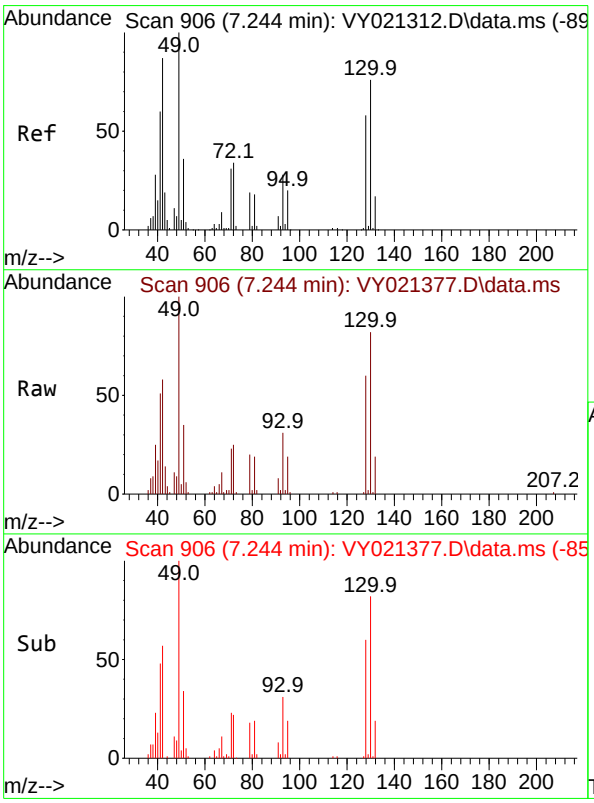
Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	308.0
98	66.7	0.0	129.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

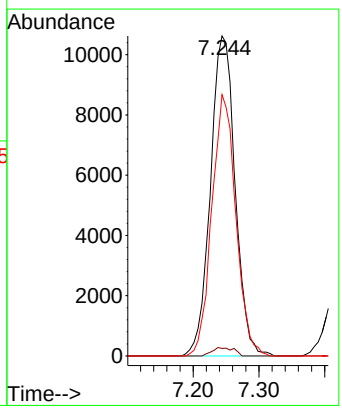


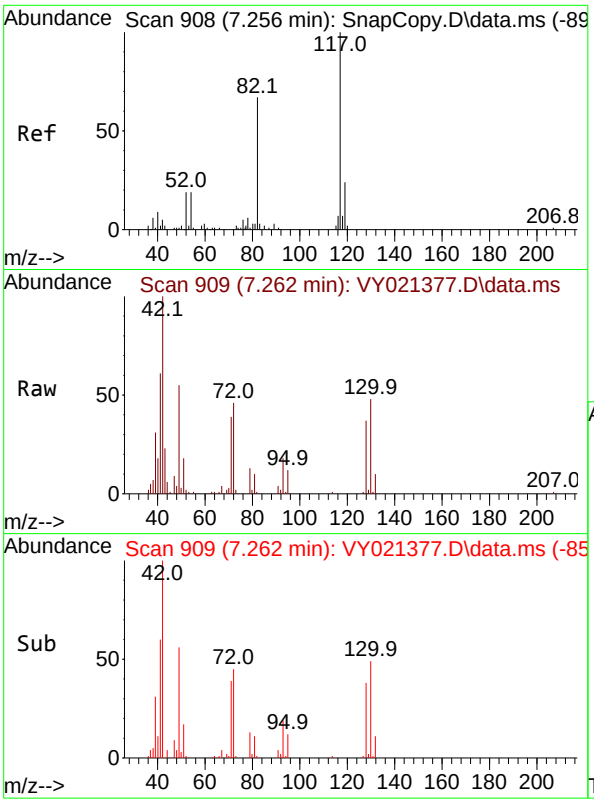


#28
Bromochloromethane
Concen: 17.828 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 49 Resp: 27733

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	79.4	57.8	86.6

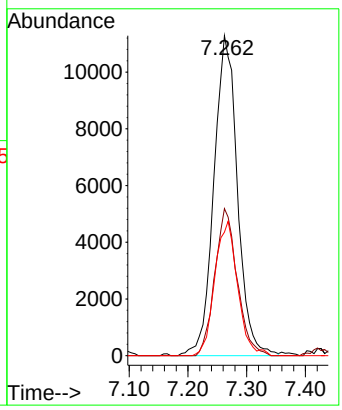




#29
Tetrahydrofuran
Concen: 86.734 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 42 Resp: 3146

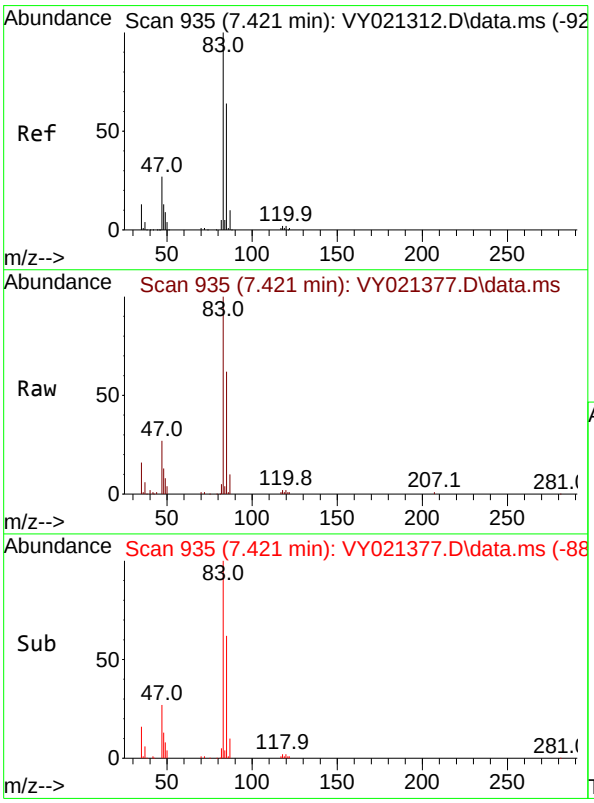
Ion	Ratio	Lower	Upper
42	100		
72	43.6	33.1	49.7
71	40.6	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

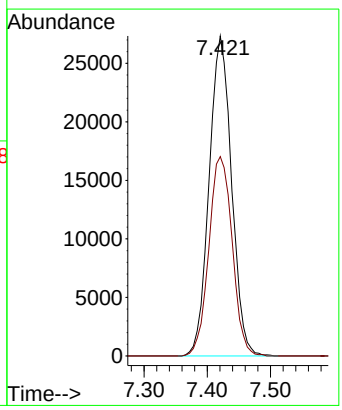
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

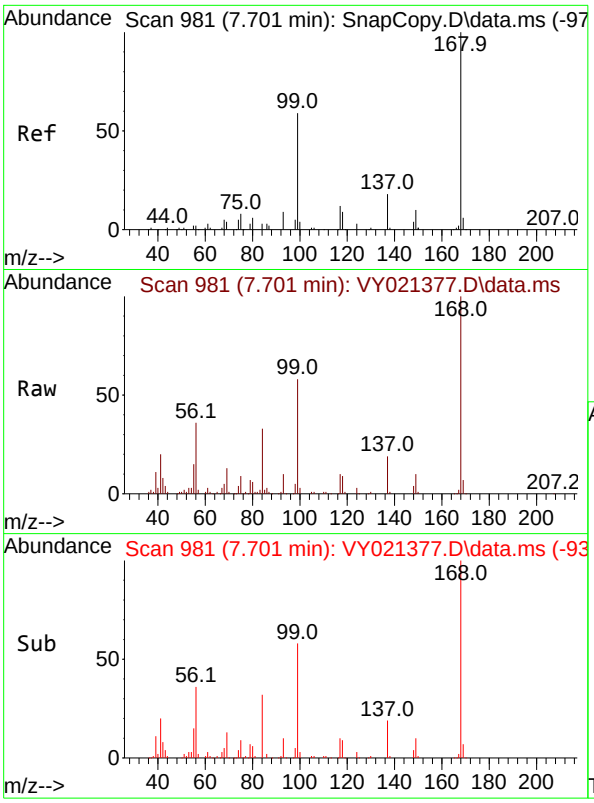


#30
Chloroform
Concen: 18.886 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 83 Resp: 67278

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.6	77.4





#31
Cyclohexane
Concen: 17.133 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

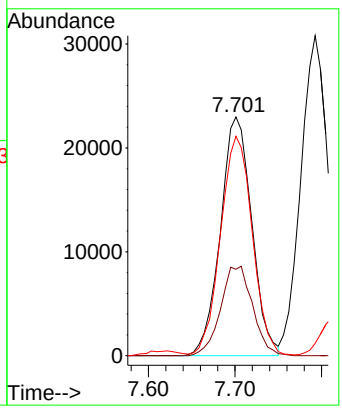
Tgt Ion: 56 Resp: 5790

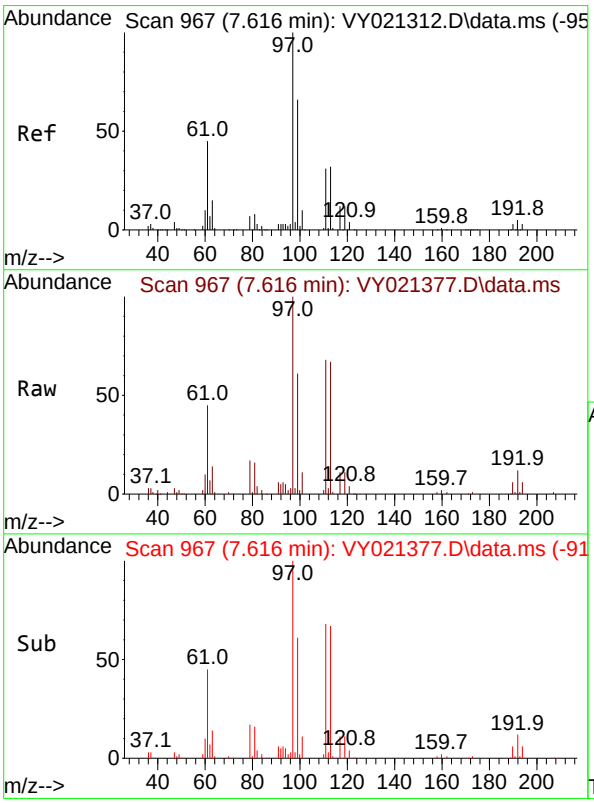
Ion	Ratio	Lower	Upper
56	100		
69	36.2	26.2	39.4
84	90.6	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

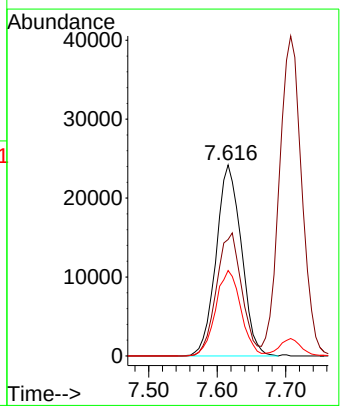


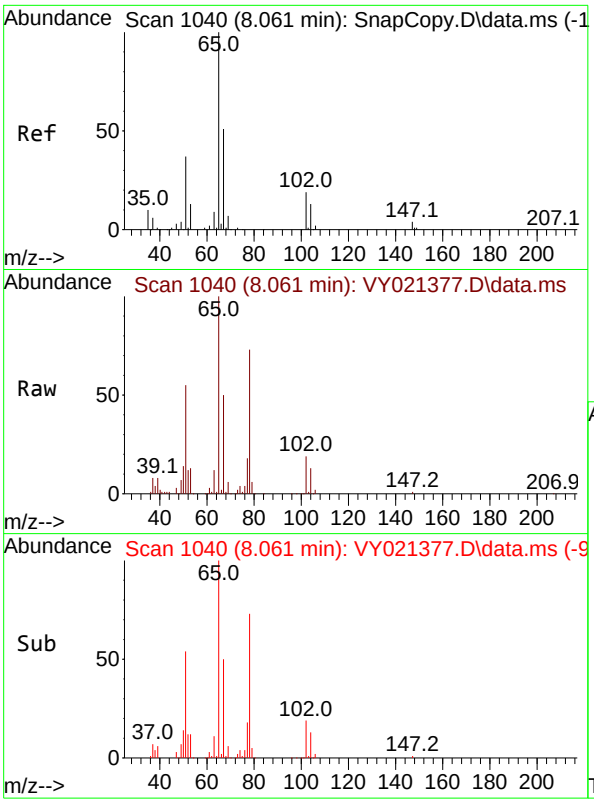


#32
1,1,1-Trichloroethane
Concen: 19.070 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 97 Resp: 61837

Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.4	78.6
61	45.0	36.2	54.2





#33
1,2-Dichloroethane-d4
Concen: 43.167 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

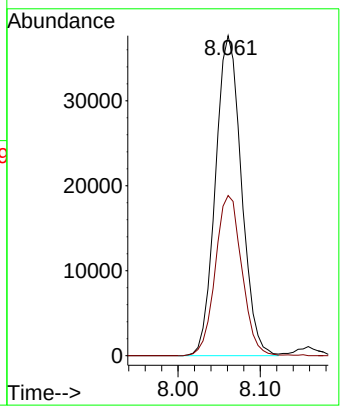
Tgt Ion: 65 Resp: 8274

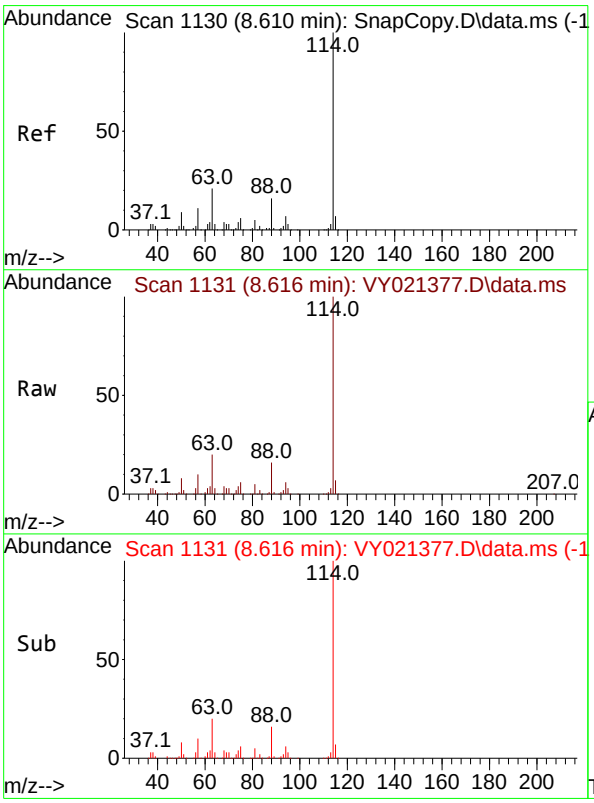
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

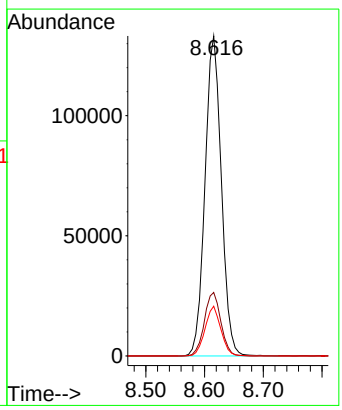


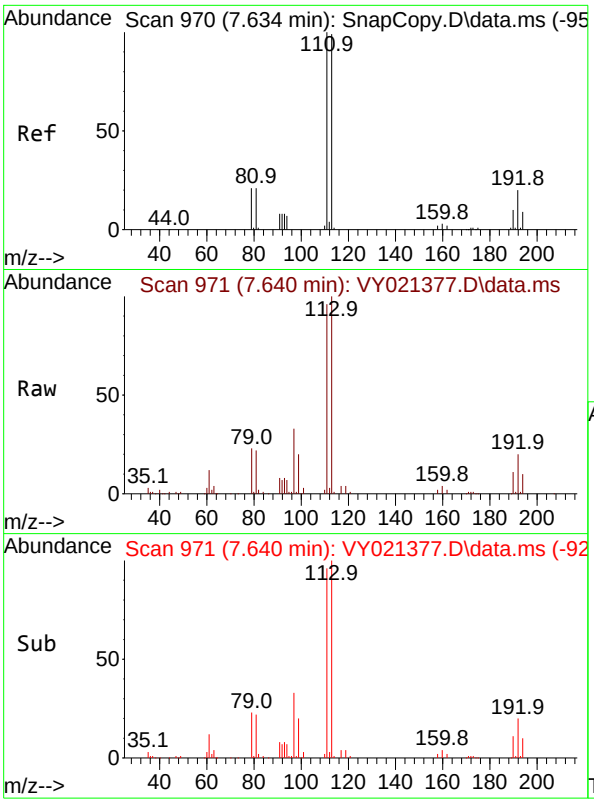


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:114 Resp: 257471

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.2
88	15.6	0.0	29.8

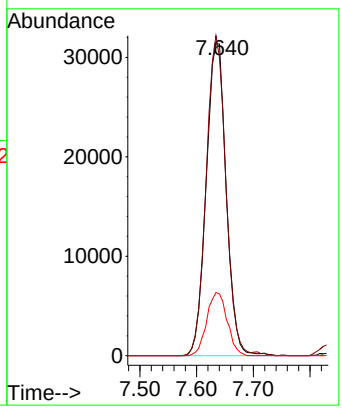




#35
Dibromofluoromethane
Concen: 45.742 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:113 Resp: 7721

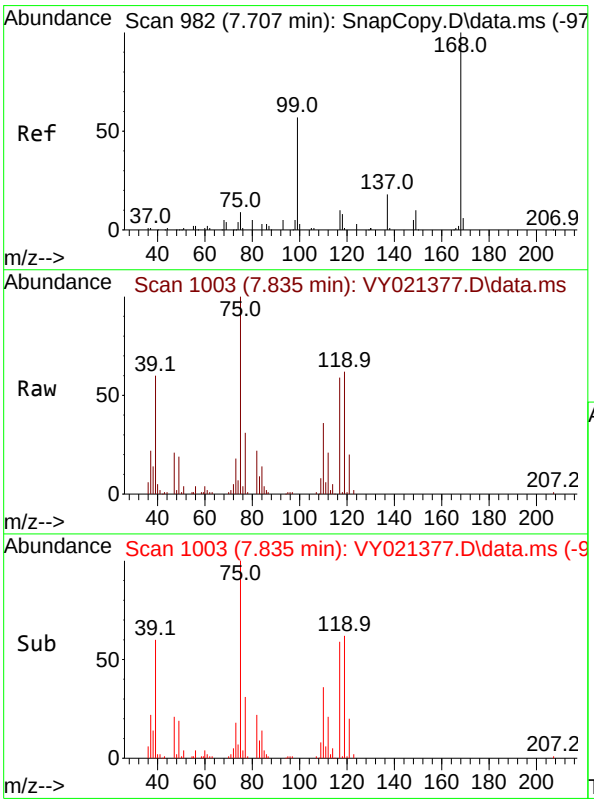
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.0	121.6
192	20.5	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

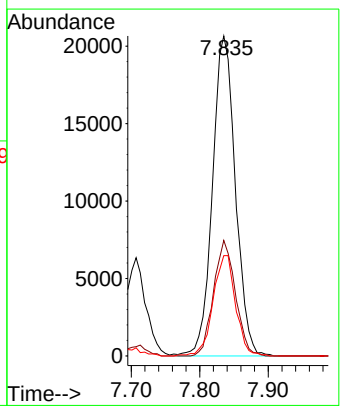
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

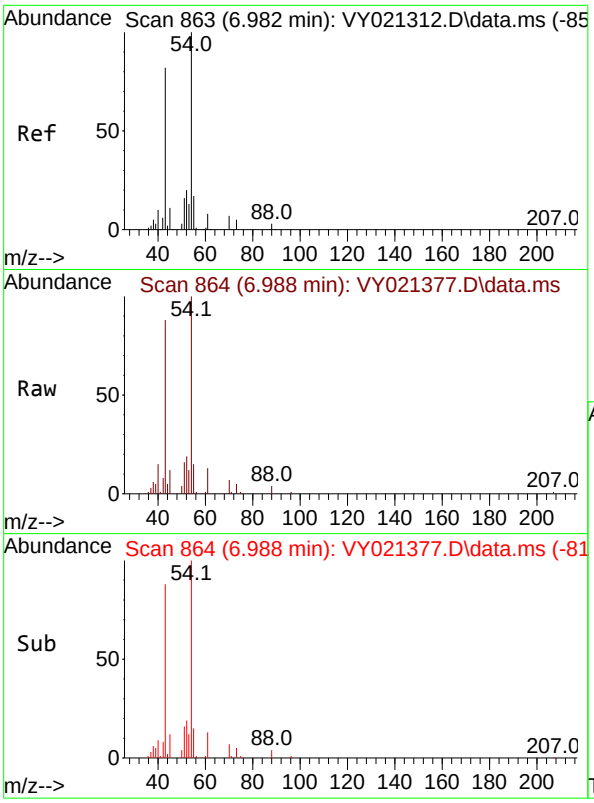


#36
1,1-Dichloropropene
Concen: 18.883 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 75 Resp: 47878

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.9	50.7
77	30.9	24.6	36.8

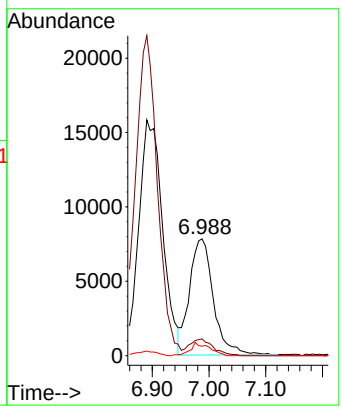




#37
Ethyl Acetate
Concen: 18.195 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 43 Resp: 2294

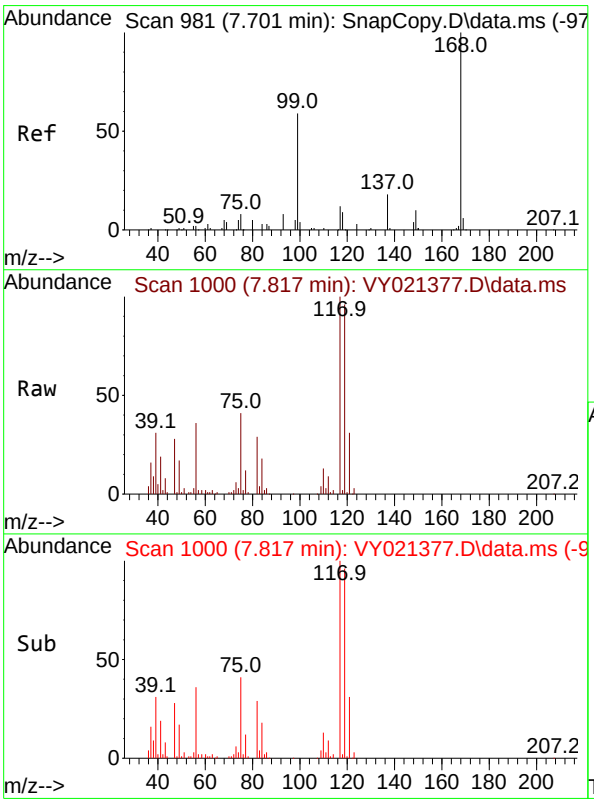
Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.4	15.6
70	9.0	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

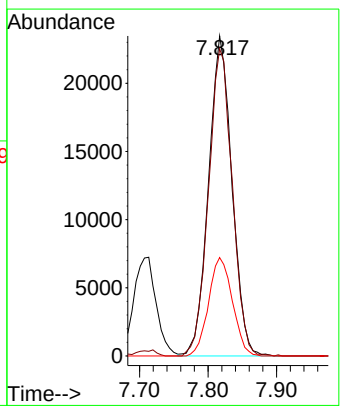
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

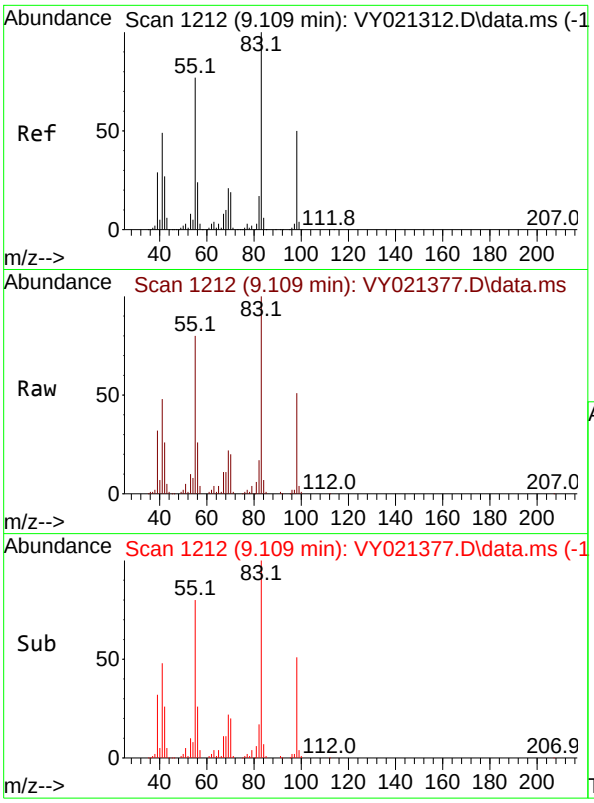


#38
Carbon Tetrachloride
Concen: 19.541 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:117 Resp: 55703

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.0	114.0
121	30.8	24.9	37.3





#39
Methylcyclohexane
Concen: 18.134 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

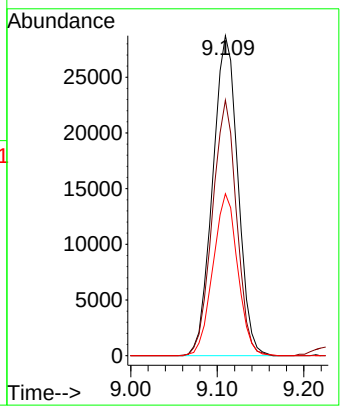
Tgt Ion: 83 Resp: 5815

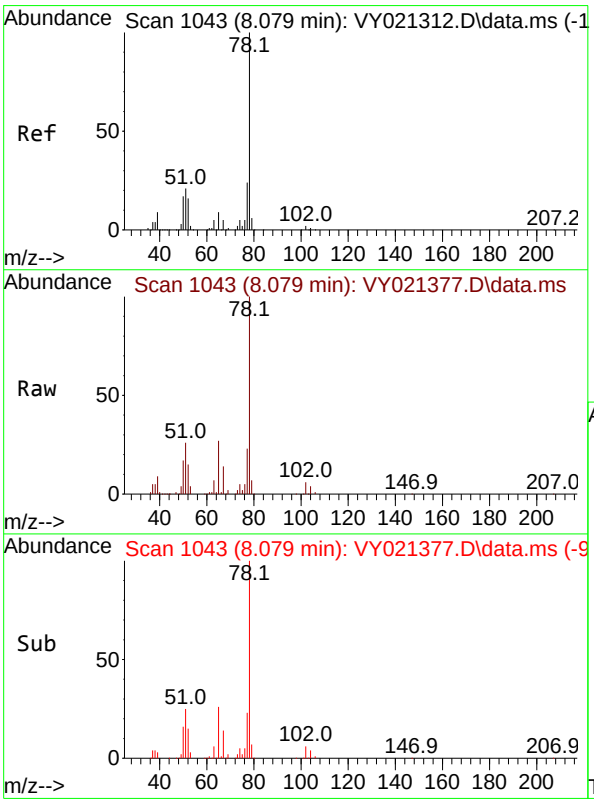
Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.3	91.9
98	50.6	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

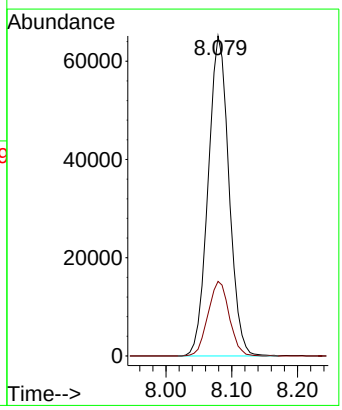


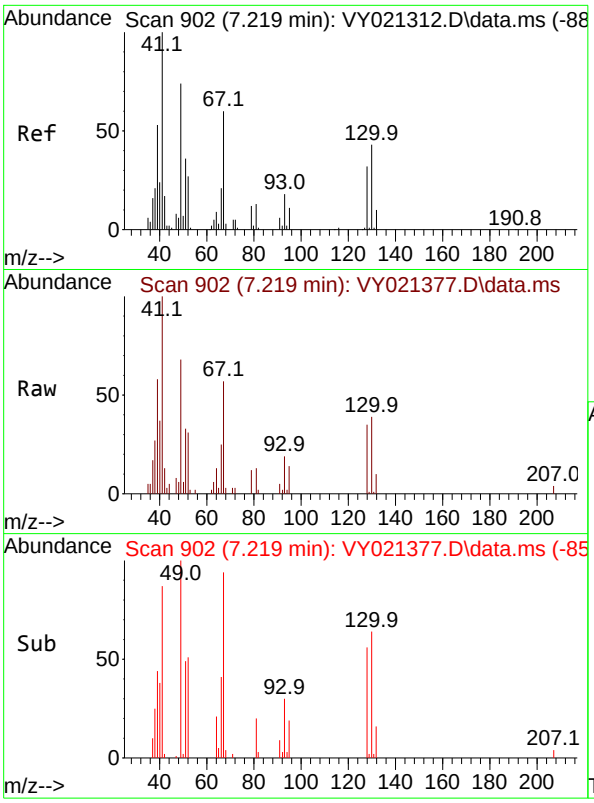


#40
Benzene
Concen: 19.148 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 78 Resp: 143523

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8

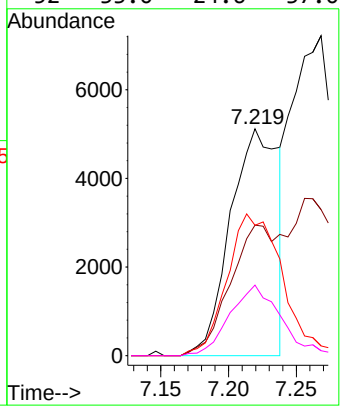




#41
Methacrylonitrile
Concen: 17.848 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 41 Resp: 1258

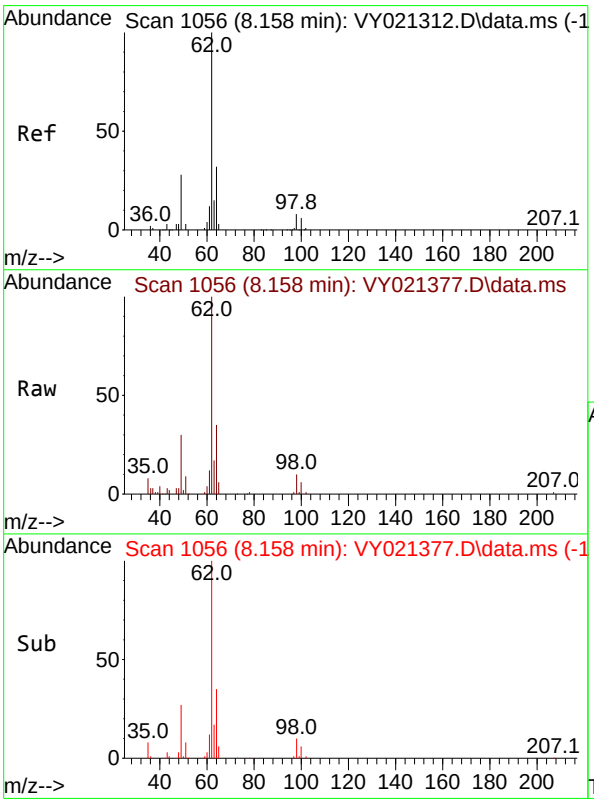
Ion	Ratio	Lower	Upper
41	100		
39	50.0	42.3	63.5
67	72.7	54.8	82.2
52	33.0	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

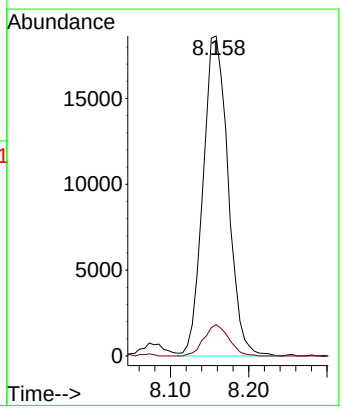
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

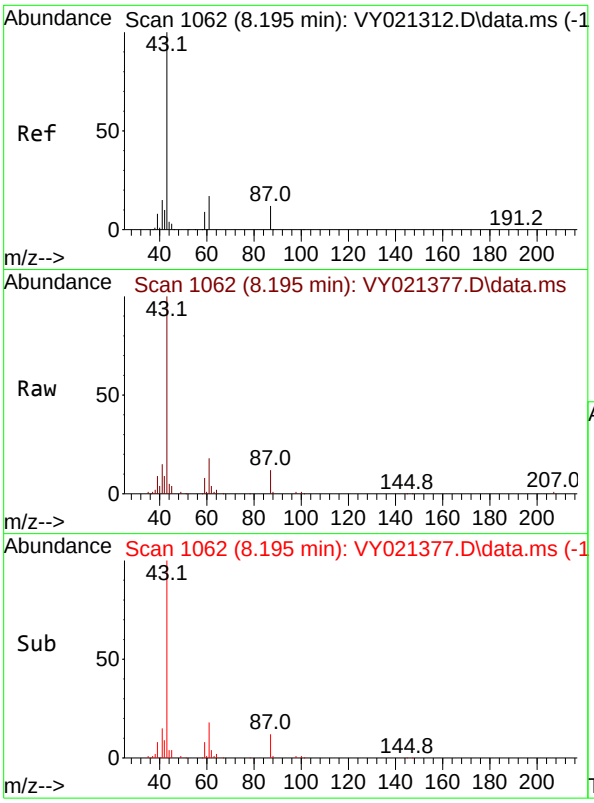


#42
1,2-Dichloroethane
Concen: 19.481 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 62 Resp: 41428

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	17.6

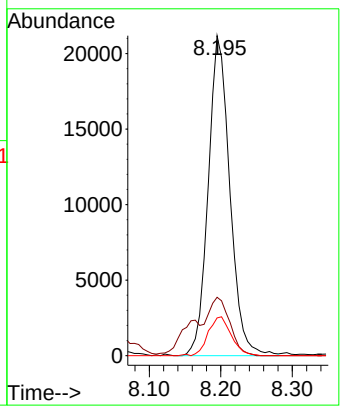




#43
Isopropyl Acetate
Concen: 18.220 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 43 Resp: 4447

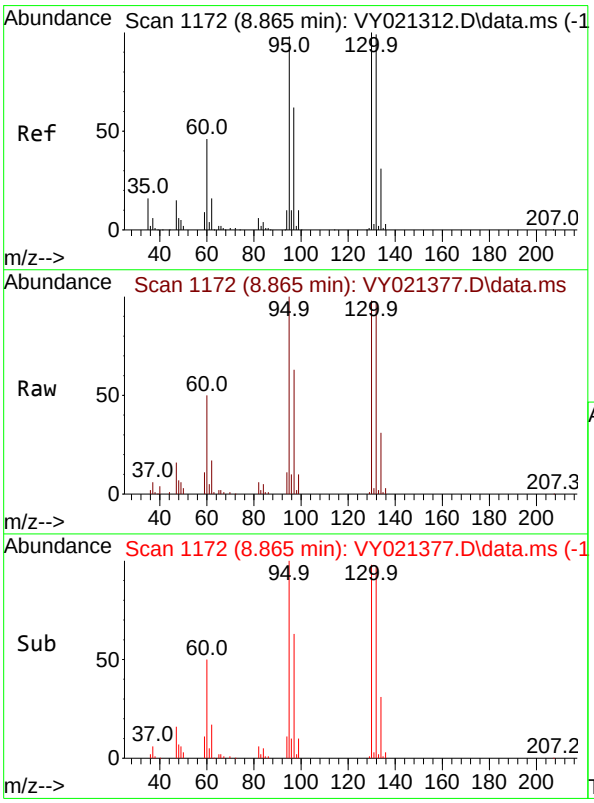
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.0	22.6
87	13.0	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

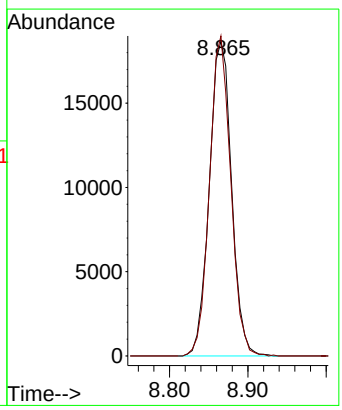
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

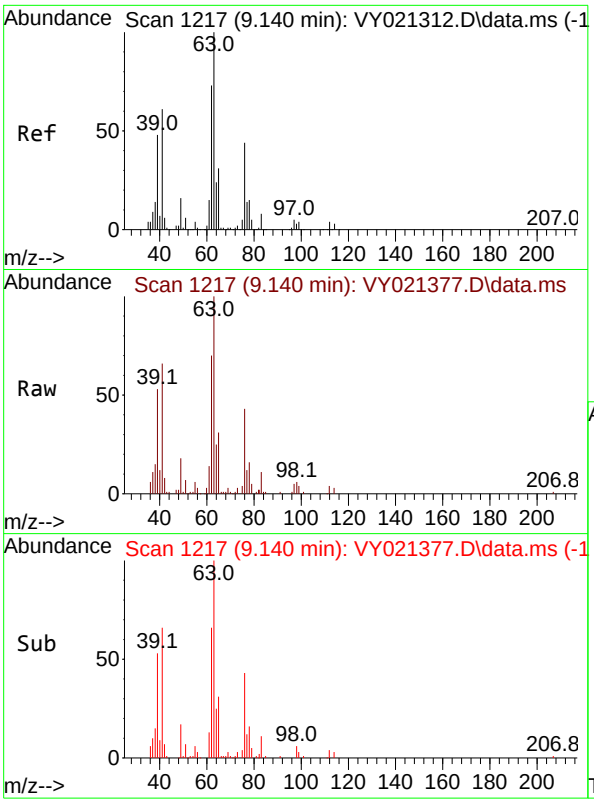


#44
Trichloroethene
Concen: 19.619 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:130 Resp: 36816

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	196.0





#45
1,2-Dichloropropane
Concen: 19.049 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

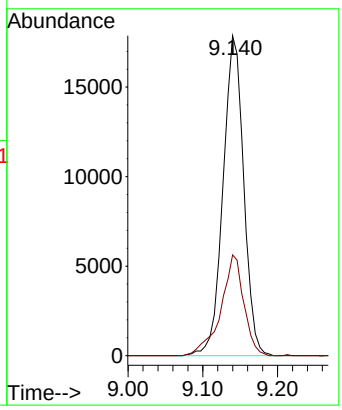
Tgt Ion: 63 Resp: 3436

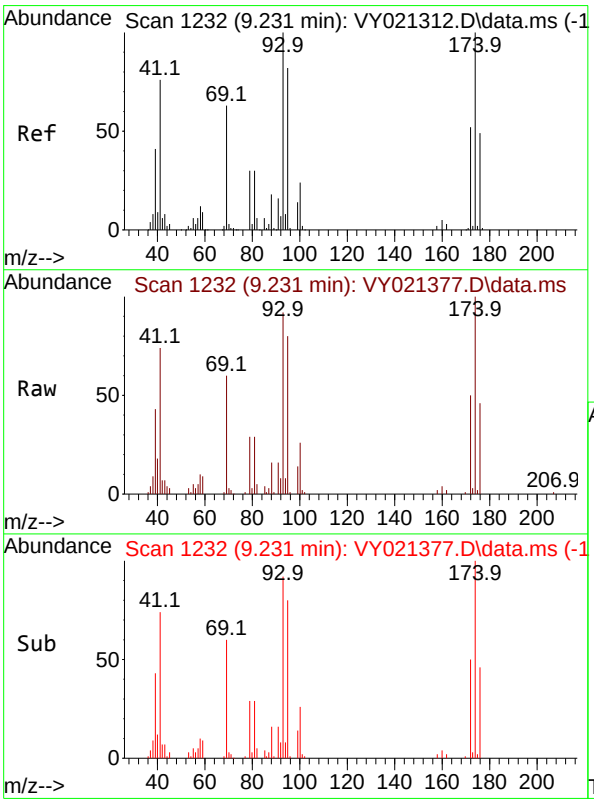
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

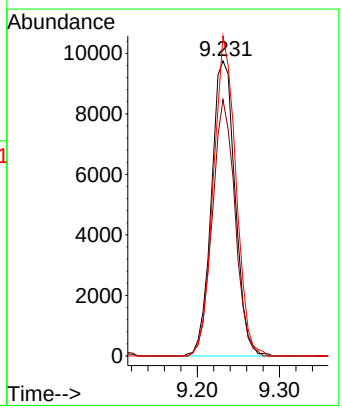


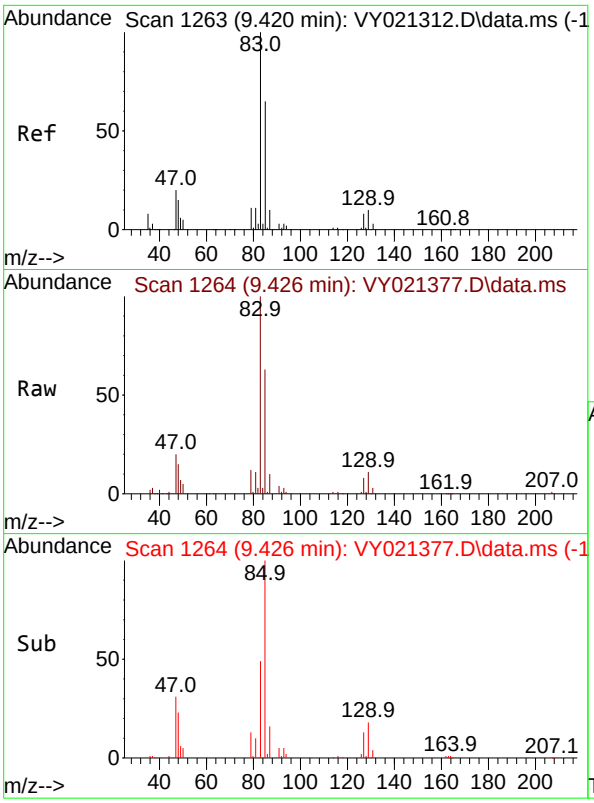


#46
Dibromomethane
Concen: 19.733 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 93 Resp: 19456

Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.4	99.6
174	103.3	78.2	117.2

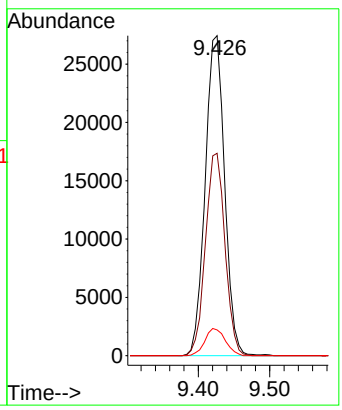




#47
Bromodichloromethane
Concen: 19.717 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 83 Resp: 5183

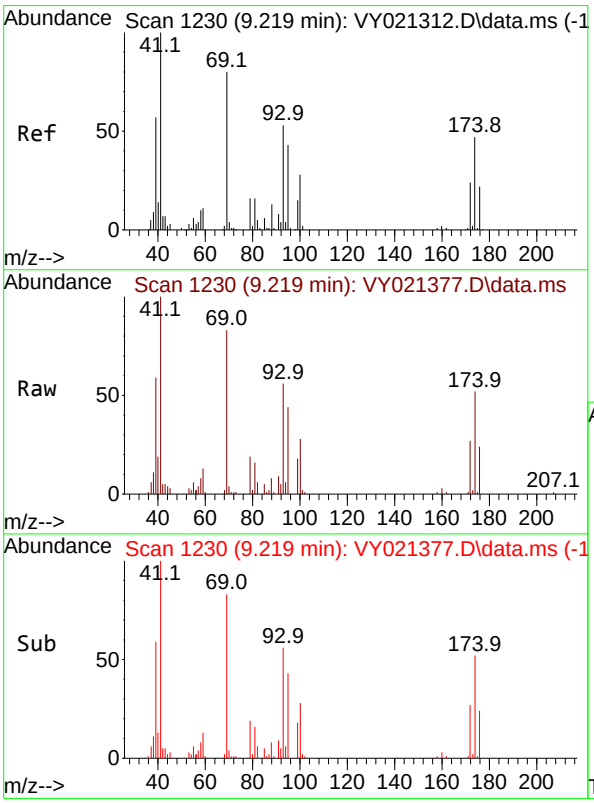
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.8
127	8.1	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

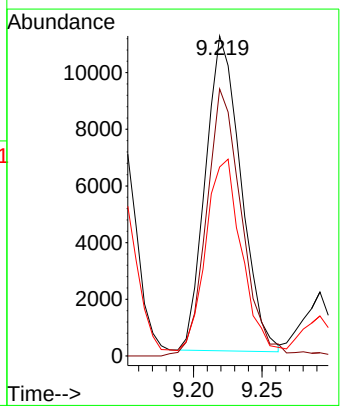
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

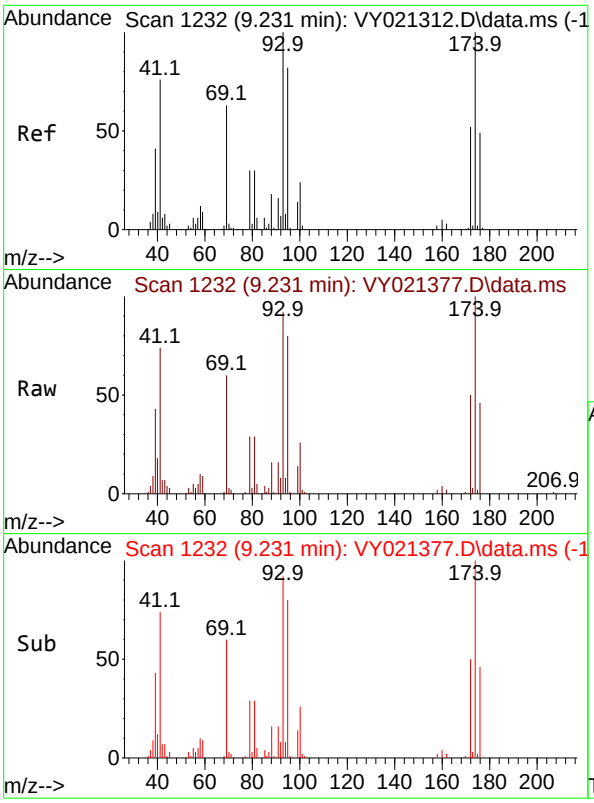


#48
Methyl methacrylate
Concen: 17.477 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 41 Resp: 19952

Ion	Ratio	Lower	Upper
41	100		
69	83.9	63.3	94.9
39	61.5	45.0	67.6





#49
1,4-Dioxane
Concen: 375.255 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

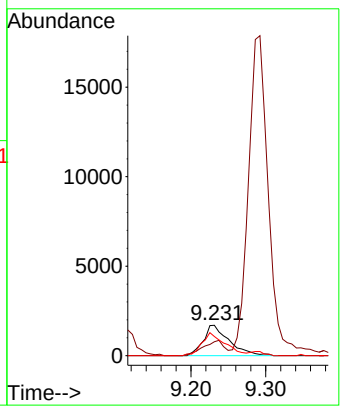
Tgt Ion: 88 Resp: 411

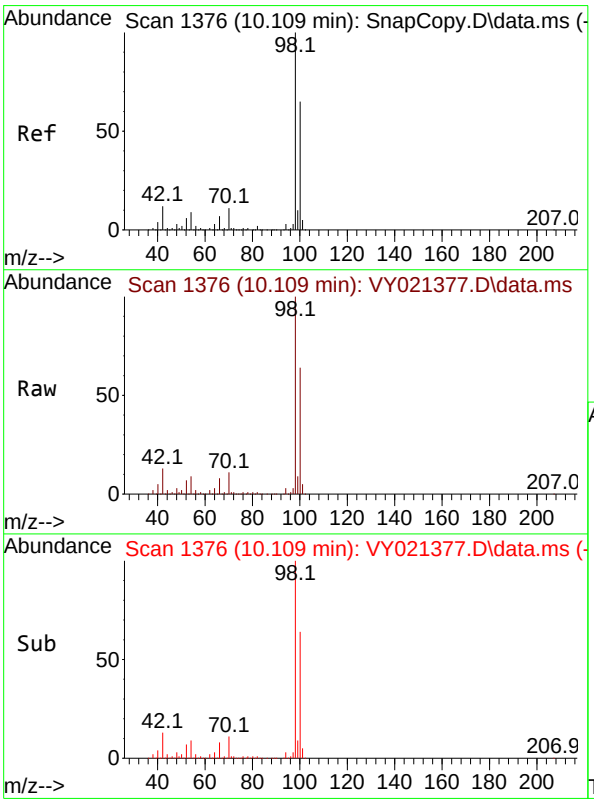
Ion	Ratio	Lower	Upper
88	100		
43	39.5	34.8	52.2
58	67.5	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

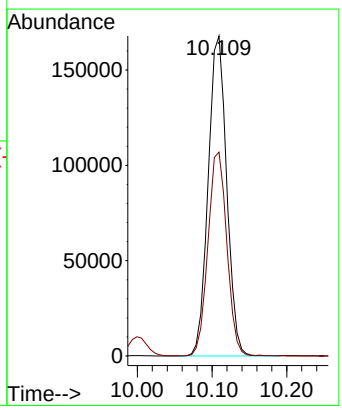


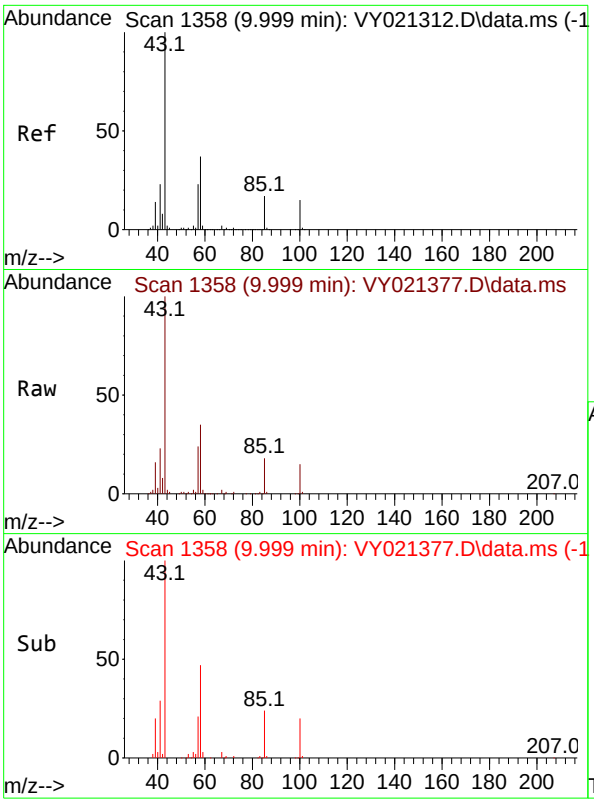


#50
Toluene-d8
Concen: 44.349 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 98 Resp: 289320

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6





#51
4-Methyl-2-Pentanone
Concen: 92.255 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

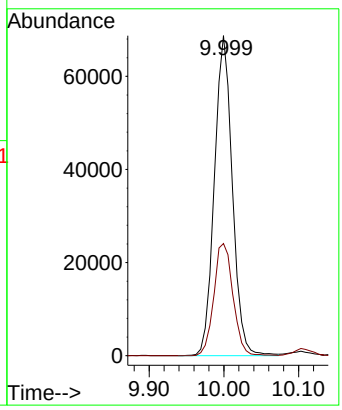
Tgt Ion: 43 Resp: 11528

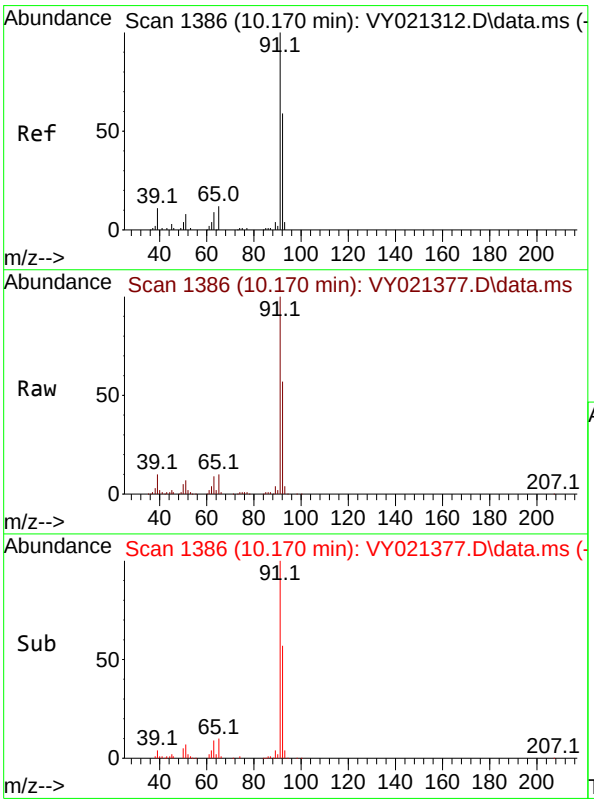
Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

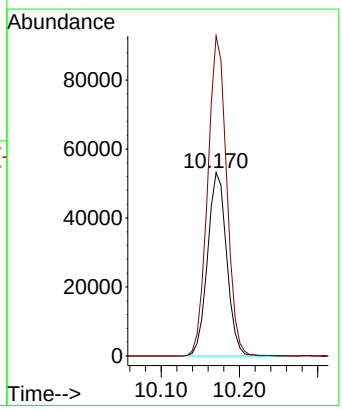


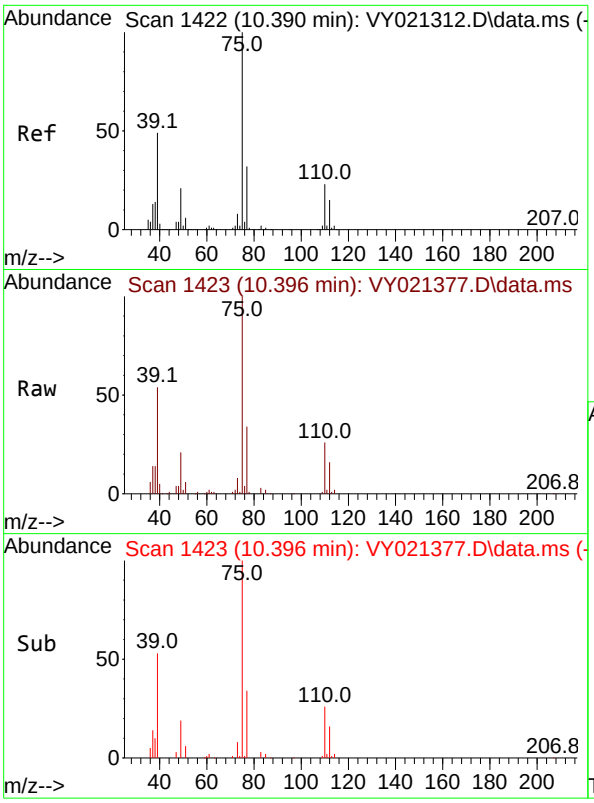


#52
Toluene
Concen: 19.276 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 92 Resp: 89754

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.8	206.8





#53
t-1,3-Dichloropropene
Concen: 18.555 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

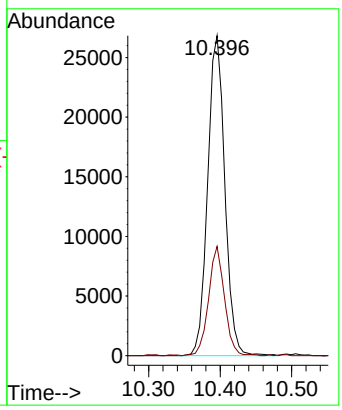
Tgt Ion: 75 Resp: 4469

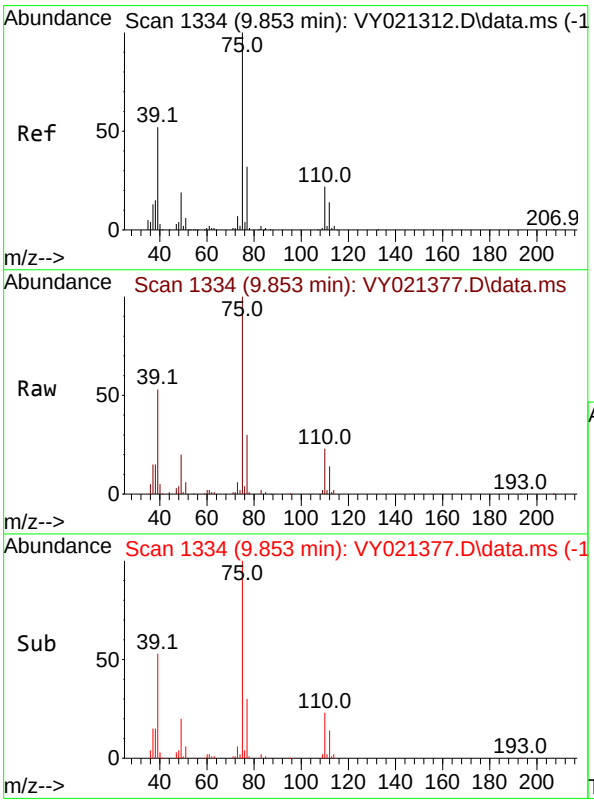
Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.3	37.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

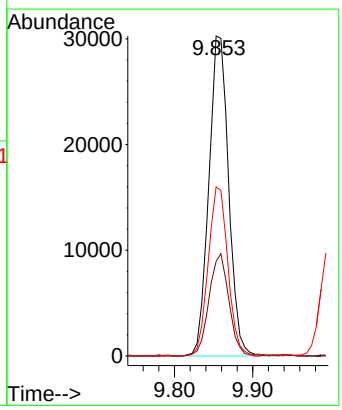


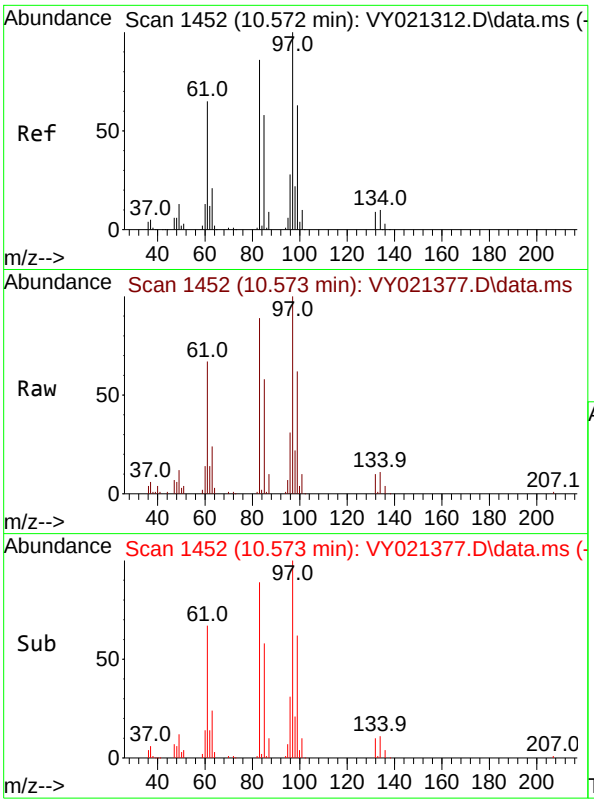


#54
cis-1,3-Dichloropropene
Concen: 18.657 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 75 Resp: 53051

Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.7	38.5
39	52.8	41.8	62.6

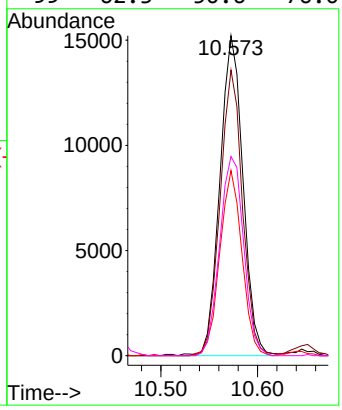




#55
1,1,2-Trichloroethane
Concen: 19.651 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 97 Resp: 2524

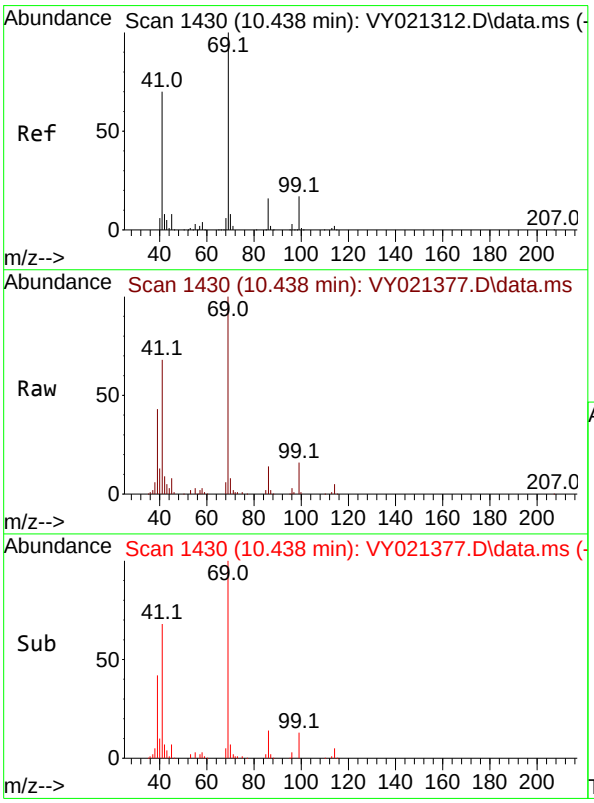
Ion	Ratio	Lower	Upper
97	100		
83	89.2	68.7	103.1
85	57.8	46.3	69.5
99	62.3	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

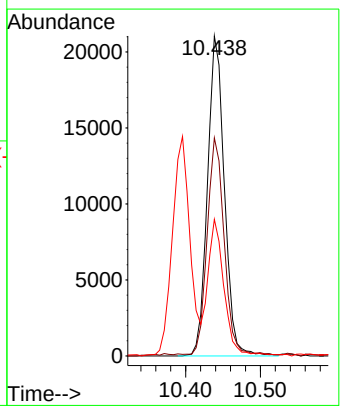
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

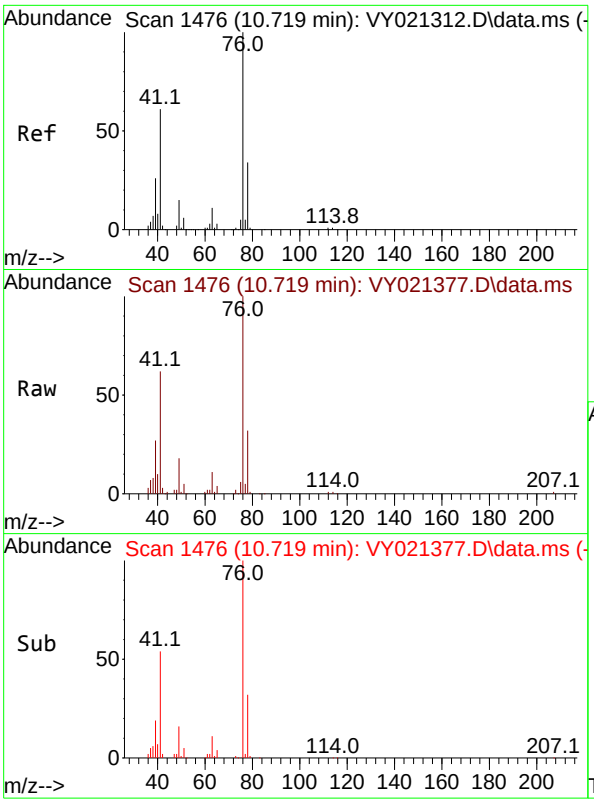


#56
Ethyl methacrylate
Concen: 18.661 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 69 Resp: 33119

Ion	Ratio	Lower	Upper
69	100		
41	68.0	56.2	84.4
39	40.9	32.7	49.1

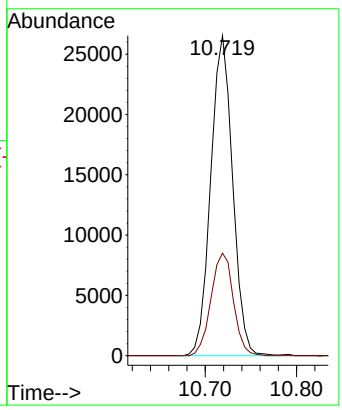




#57
1,3-Dichloropropane
Concen: 19.632 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 76 Resp: 4424

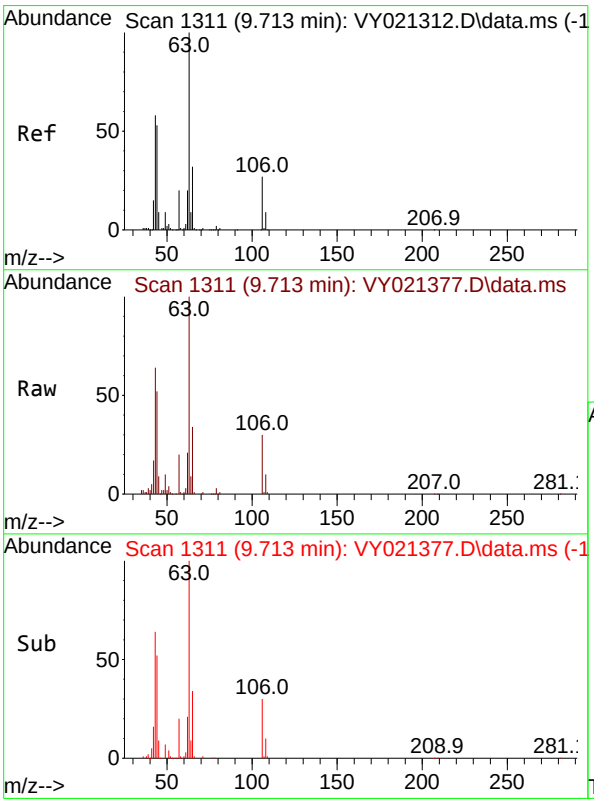
Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

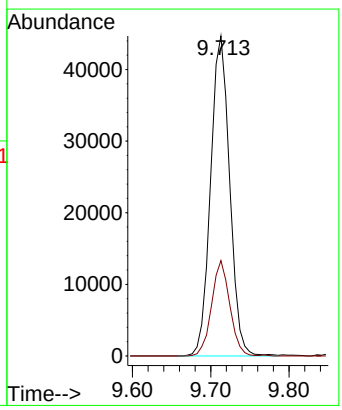
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

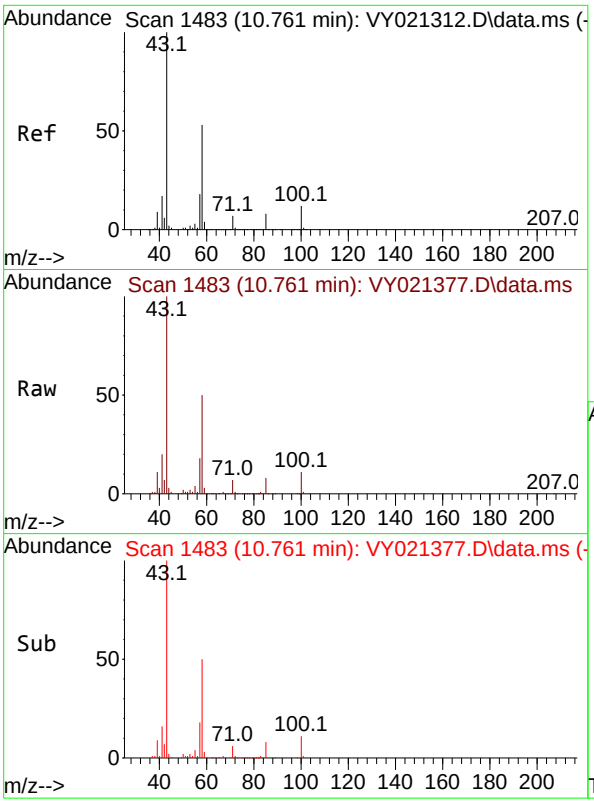


#58
2-Chloroethyl Vinyl ether
Concen: 88.741 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 63 Resp: 75597

Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.7	32.5





#59
2-Hexanone
Concen: 91.322 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

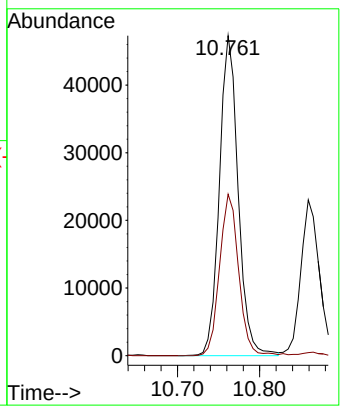
Tgt Ion: 43 Resp: 7495

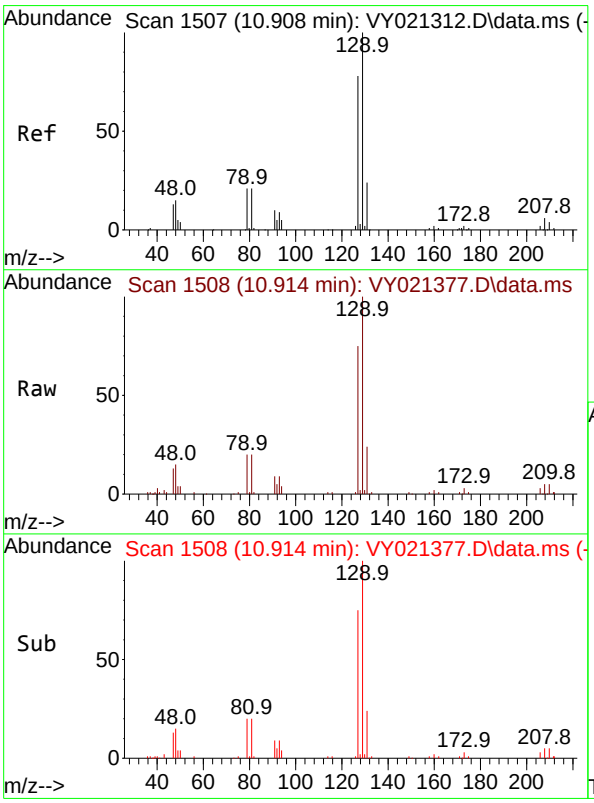
Ion	Ratio	Lower	Upper
43	100		
58	51.5	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

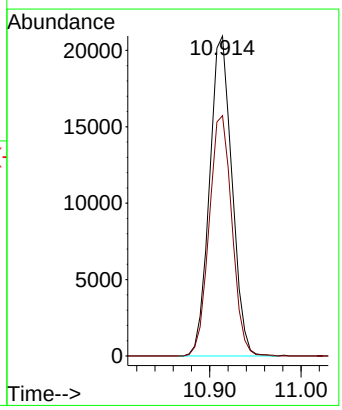


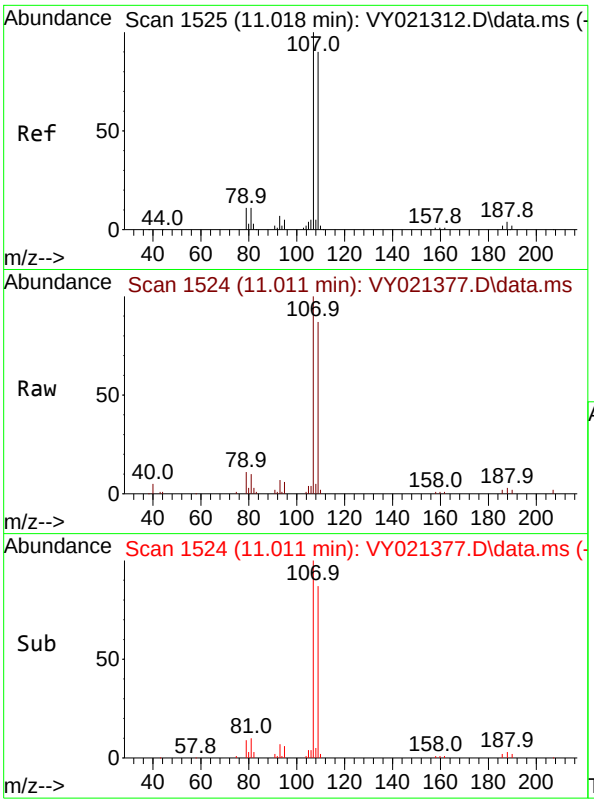


#60
Dibromochloromethane
Concen: 20.364 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:129 Resp: 35624

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.8	116.4





#61
1,2-Dibromoethane
Concen: 19.519 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

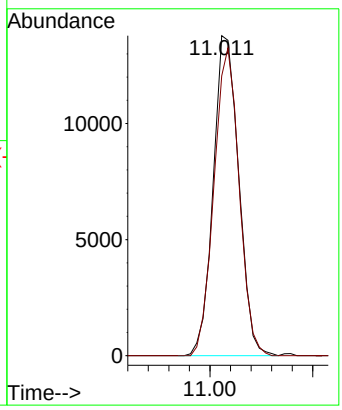
Tgt Ion:107 Resp: 2373

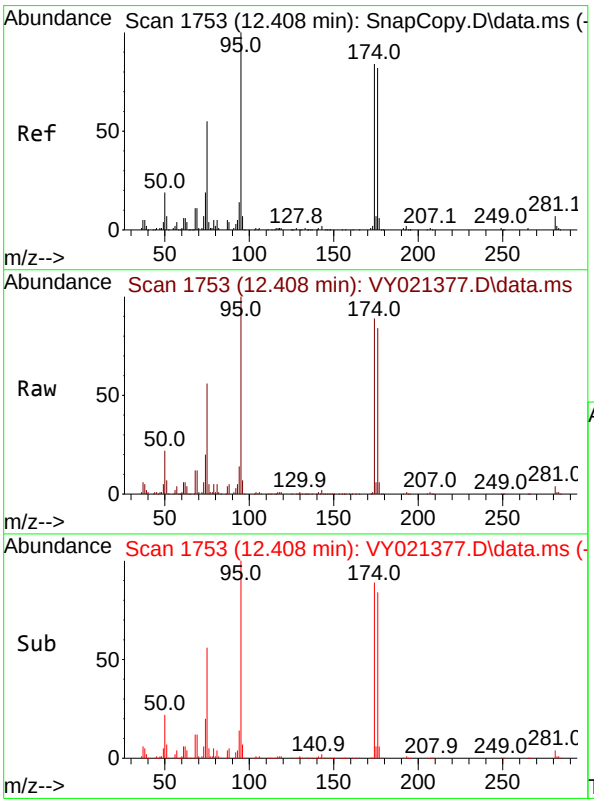
Ion	Ratio	Lower	Upper
107	100		
109	94.8	73.8	110.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

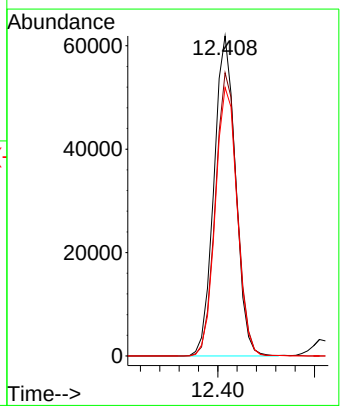


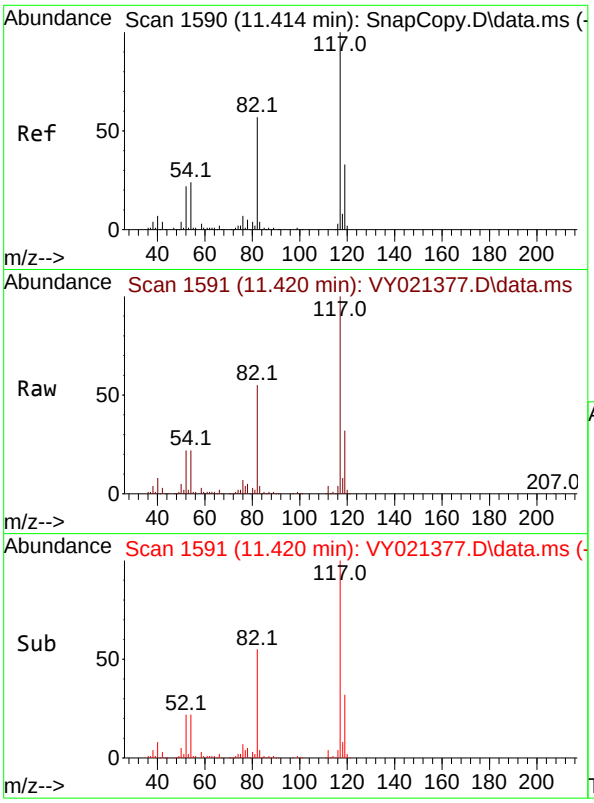


#62
4-Bromofluorobenzene
Concen: 43.701 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 95 Resp: 95946

Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	168.0
176	85.0	0.0	162.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

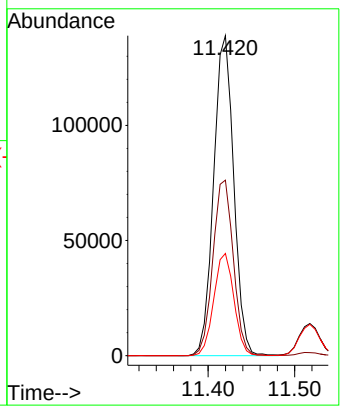
Tgt Ion:117 Resp: 22403

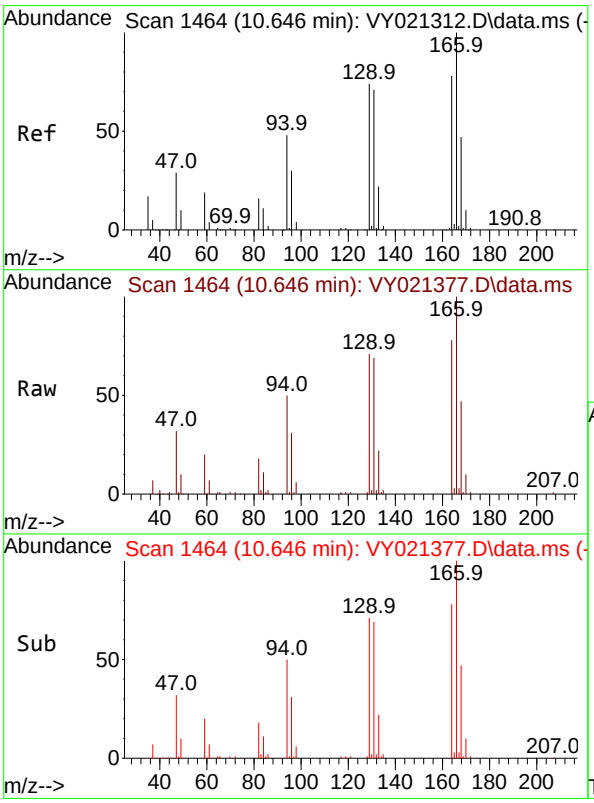
Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.2	69.4
119	32.0	24.9	37.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

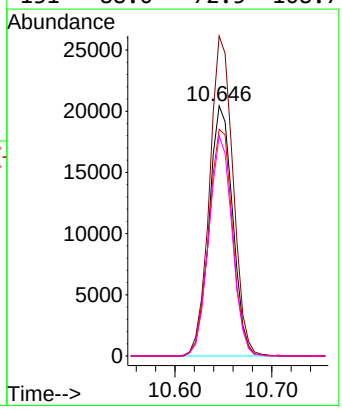


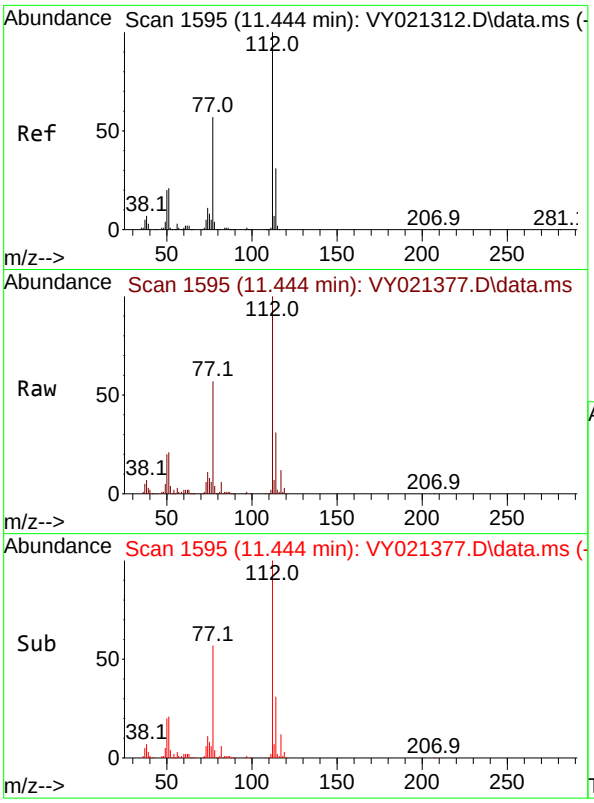


#64
Tetrachloroethene
Concen: 20.389 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:164 Resp: 34526

Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.9	152.9
129	90.6	75.5	113.3
131	88.0	72.5	108.7

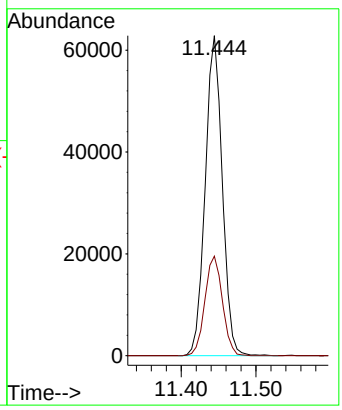




#65
Chlorobenzene
Concen: 19.747 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:112 Resp: 9930

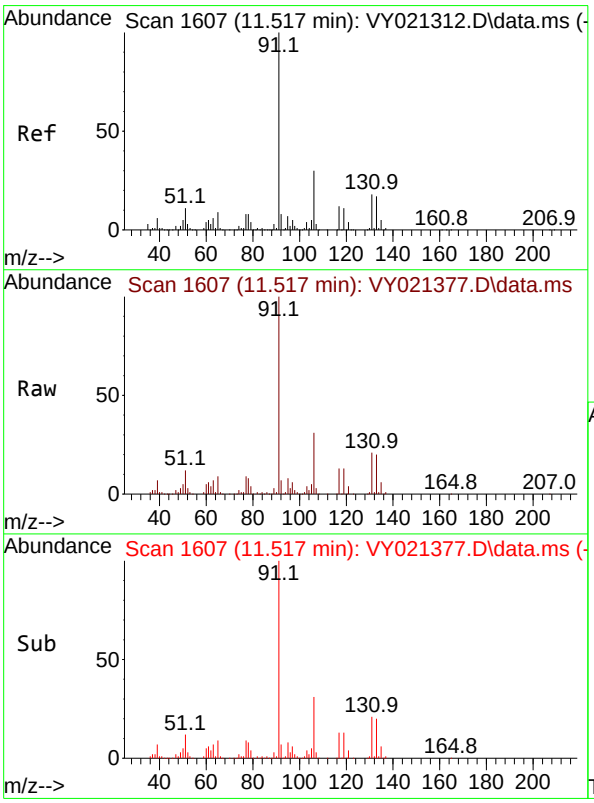
Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

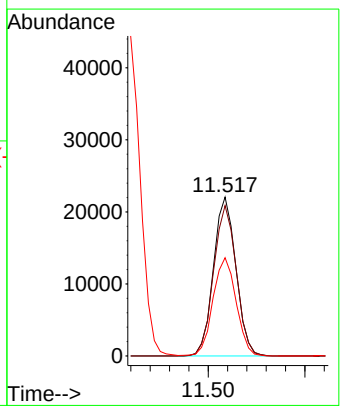
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

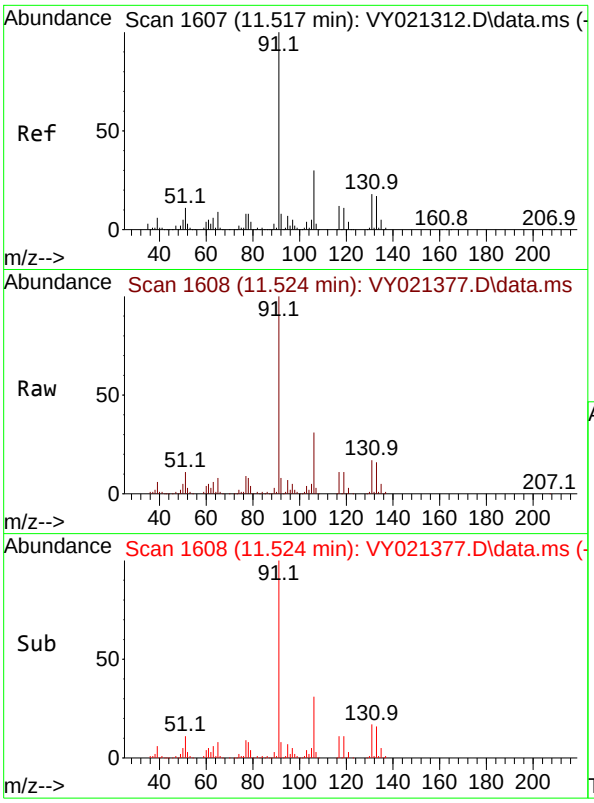


#66
1,1,1,2-Tetrachloroethane
Concen: 20.173 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:131 Resp: 35523

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.9	143.6
119	63.8	31.7	95.1

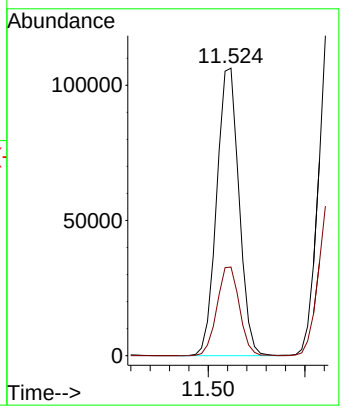




#67
Ethyl Benzene
Concen: 19.119 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 91 Resp: 17030

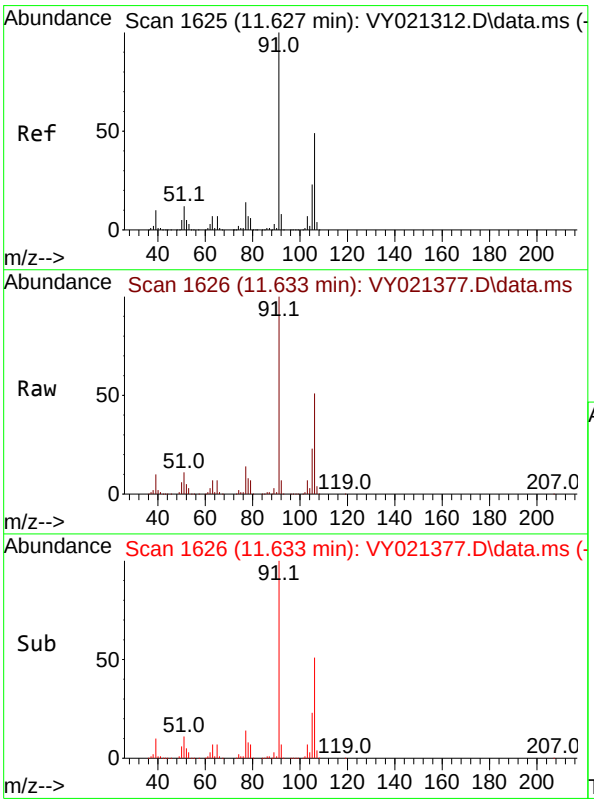
Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

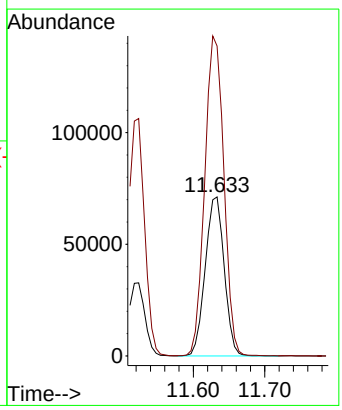
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

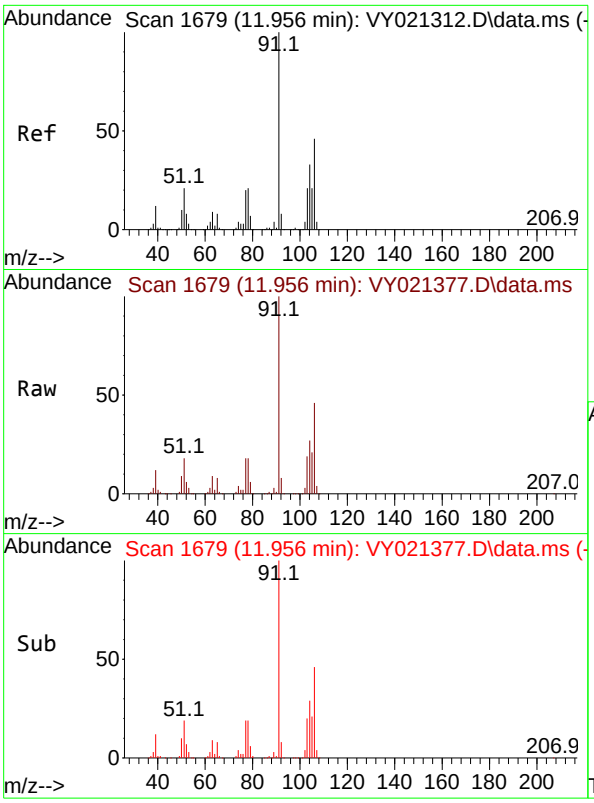


#68
m/p-Xylenes
Concen: 39.173 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:106 Resp: 131250

Ion	Ratio	Lower	Upper
106	100		
91	202.6	163.9	245.9





#69
o-Xylene
Concen: 19.445 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

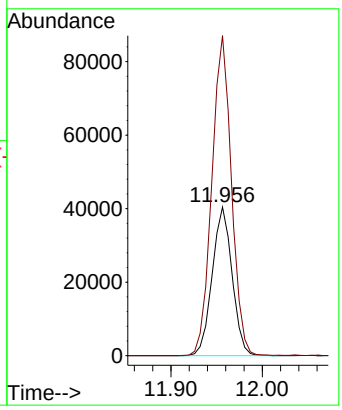
Tgt Ion:106 Resp: 6103

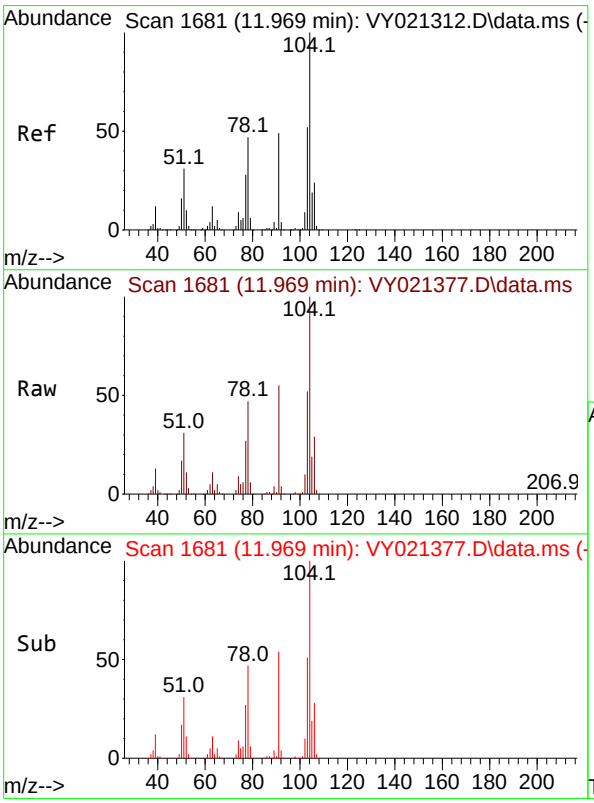
Ion	Ratio	Lower	Upper
106	100		
91	213.0	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

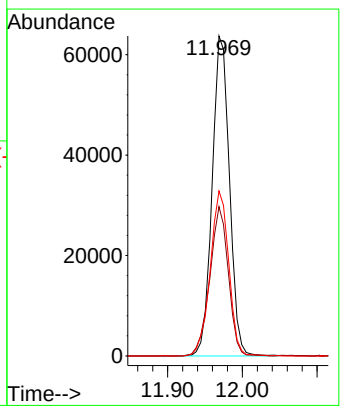


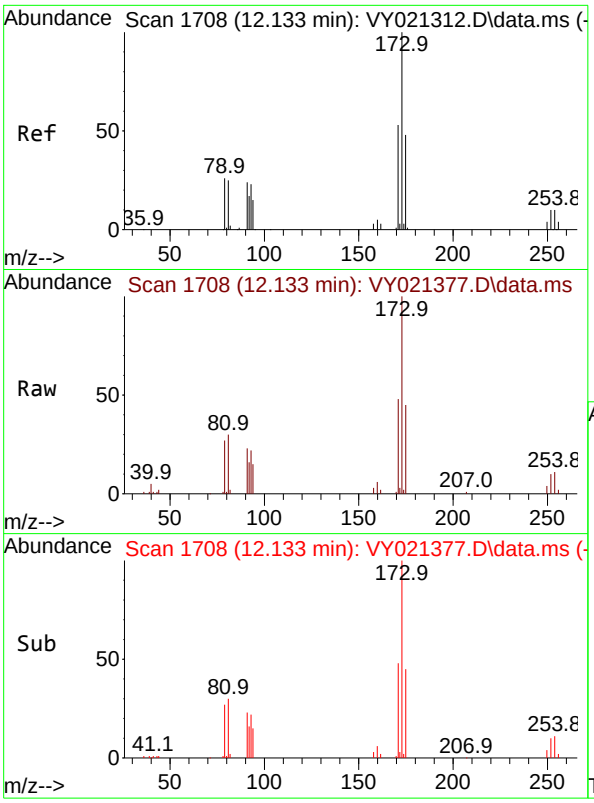


#70
Styrene
Concen: 19.635 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:104 Resp: 102541

Ion	Ratio	Lower	Upper
104	100		
78	49.9	41.3	61.9
103	55.2	43.9	65.9

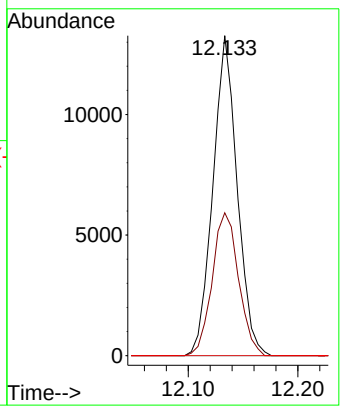




#71
Bromoform
Concen: 20.248 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:173 Resp: 2039

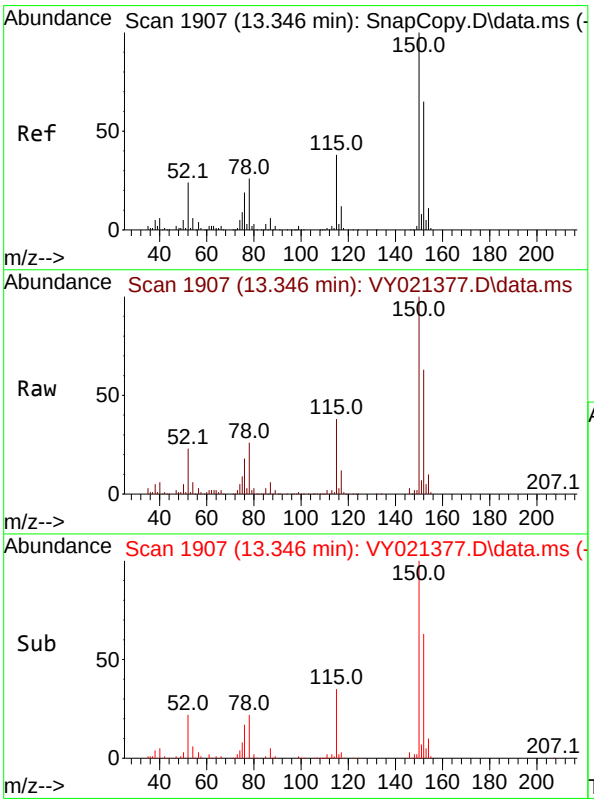
Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

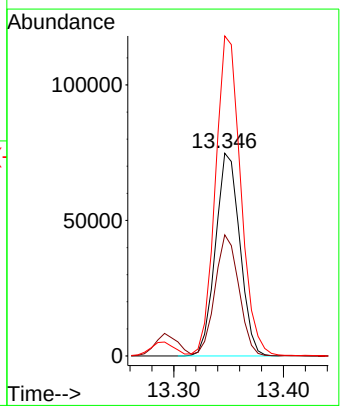
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

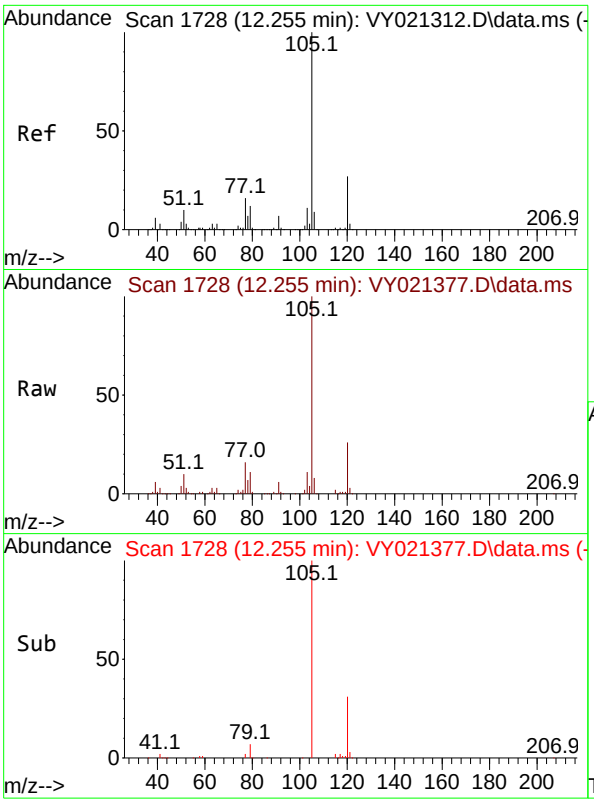


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:152 Resp: 115456

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.3	88.0
150	163.6	0.0	347.4

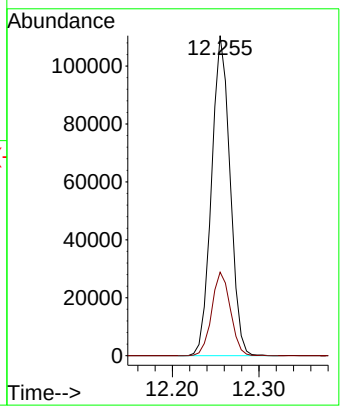




#73
Isopropylbenzene
Concen: 18.914 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:105 Resp: 16417

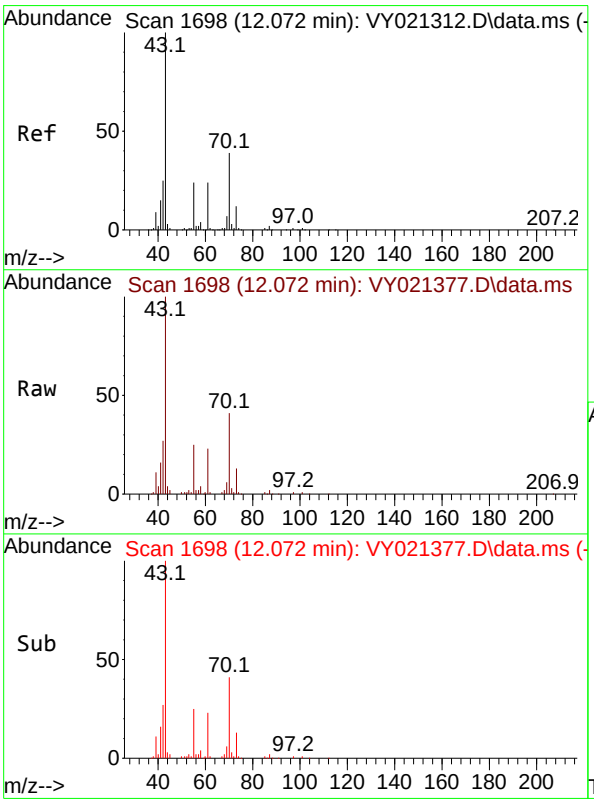
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

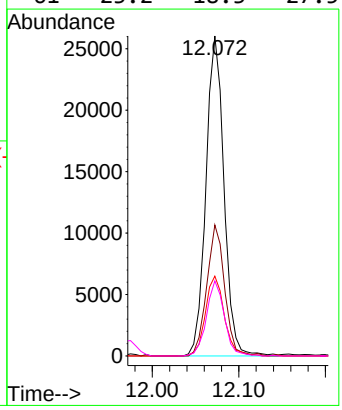
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

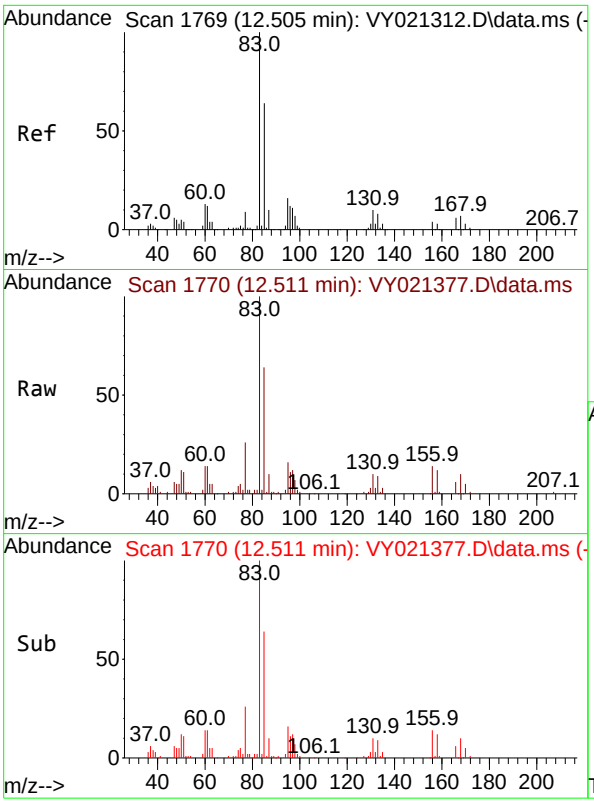


#74
N-amyl acetate
Concen: 17.127 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 43 Resp: 37786

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.2	48.2
55	26.1	19.6	29.4
61	23.2	18.3	27.5

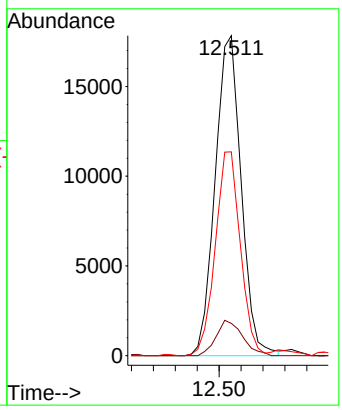




#75
1,1,2,2-Tetrachloroethane
Concen: 19.206 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 83 Resp: 2942

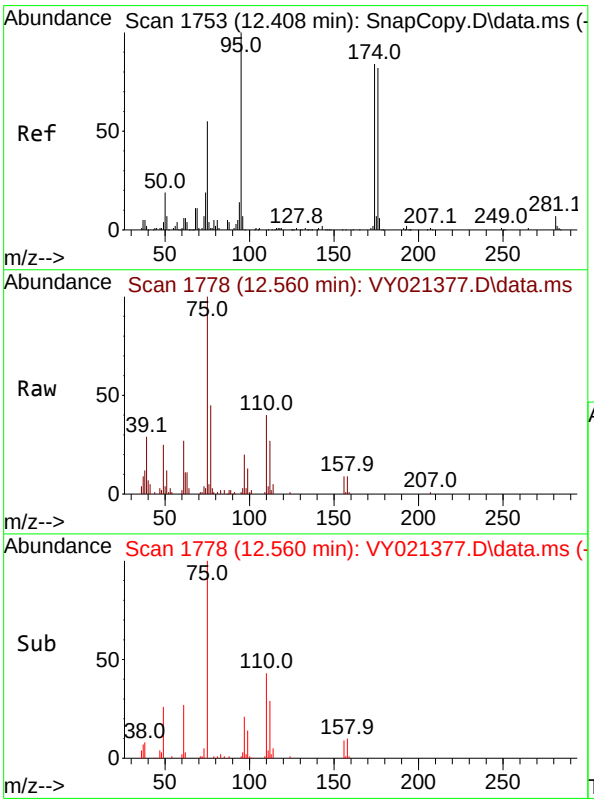
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.2	15.6
85	61.3	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

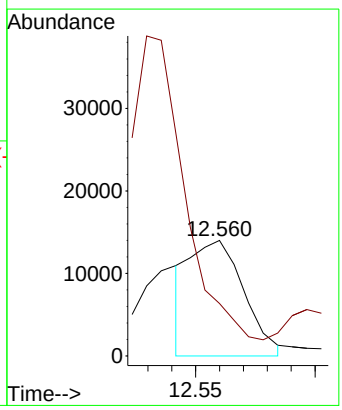
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

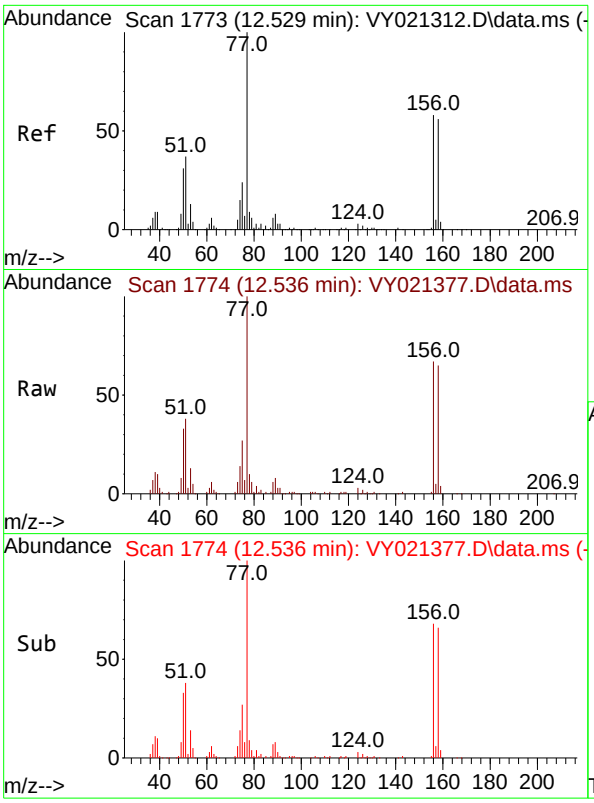


#76
1,2,3-Trichloropropane
Concen: 19.205 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 75 Resp: 22194

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 19.434 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

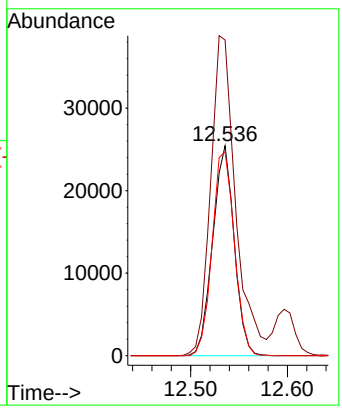
Tgt Ion:156 Resp: 3923

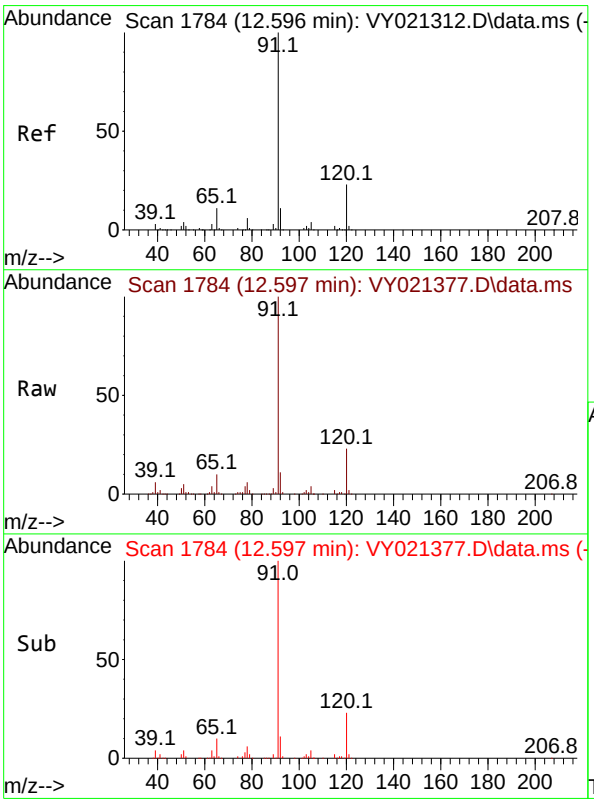
Ion	Ratio	Lower	Upper
156	100		
77	176.9	94.0	282.1
158	100.6	48.7	146.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

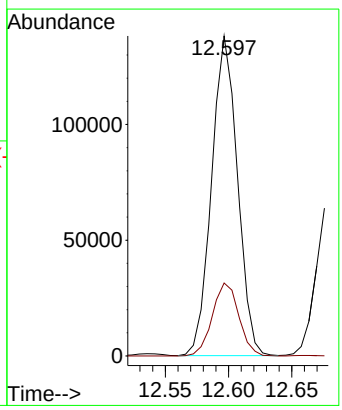


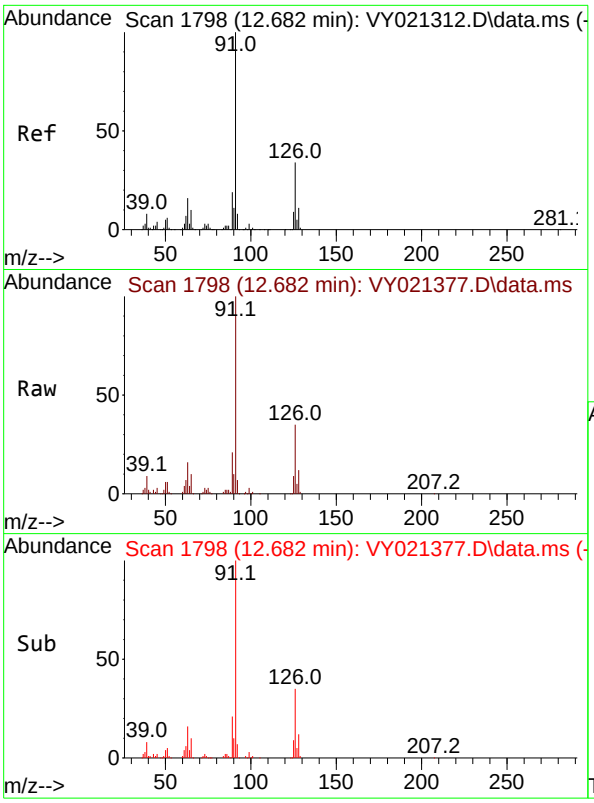


#78
n-propylbenzene
Concen: 18.652 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 91 Resp: 196454

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.2	33.5





#79
2-Chlorotoluene
Concen: 18.713 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

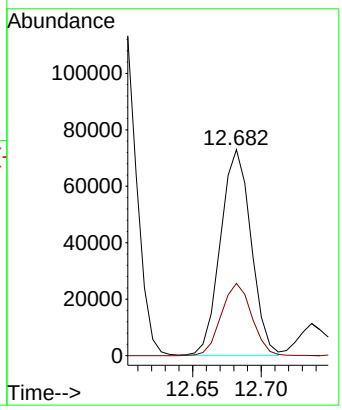
Tgt Ion: 91 Resp: 11311

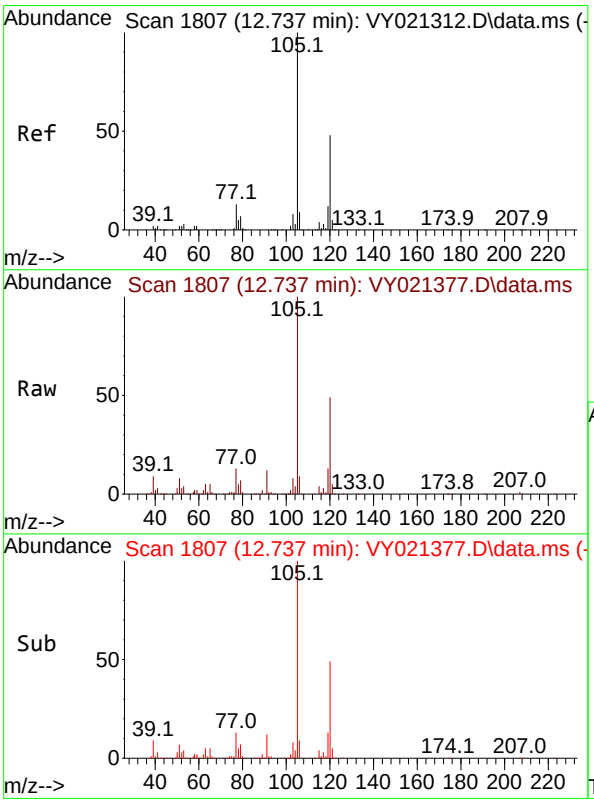
Ion	Ratio	Lower	Upper
91	100		
126	35.1	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

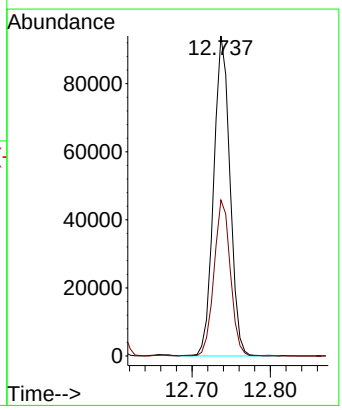


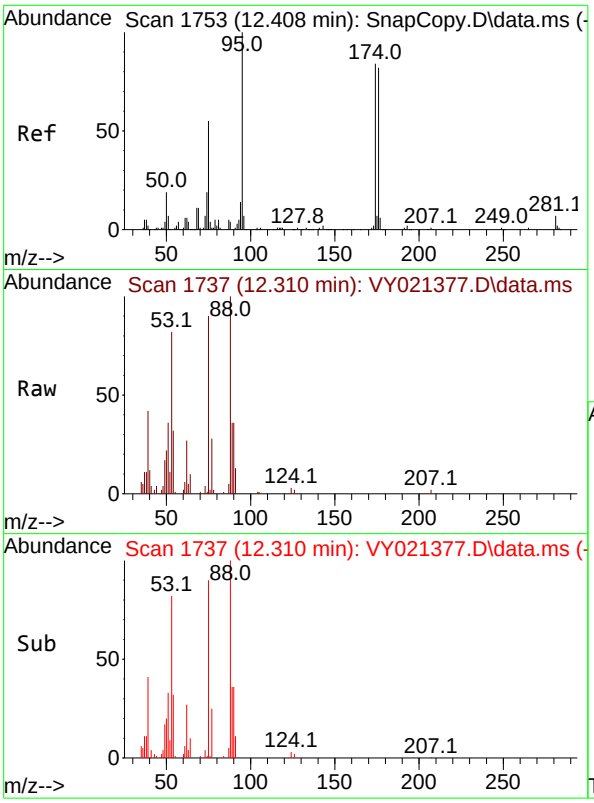


#80
1,3,5-Trimethylbenzene
Concen: 19.114 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:105 Resp: 136074

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 17.065 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

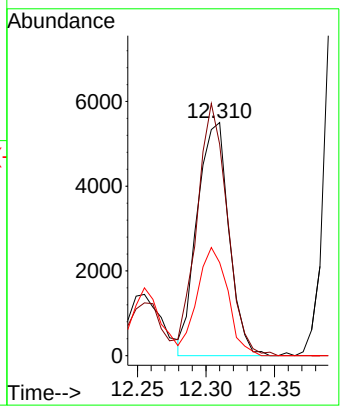
Tgt Ion: 75 Resp: 887

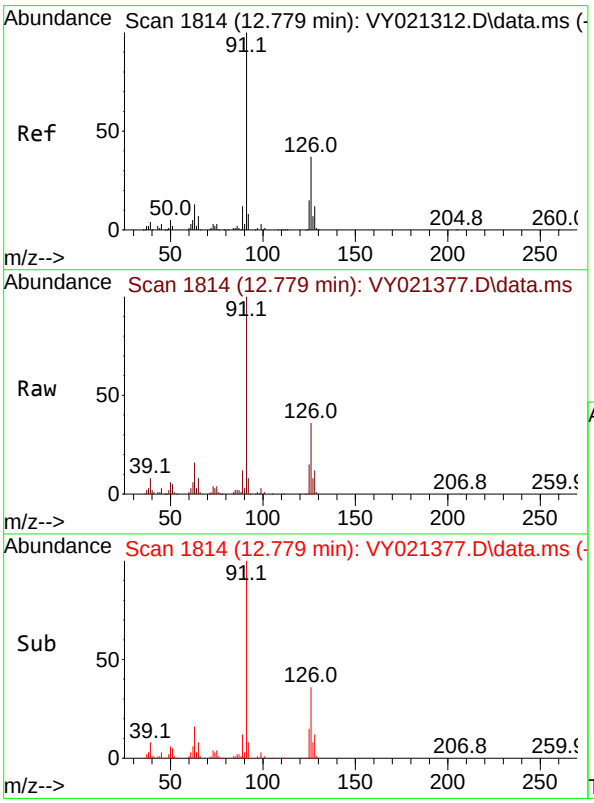
Ion	Ratio	Lower	Upper
75	100		
53	104.7	79.1	118.7
89	44.7	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

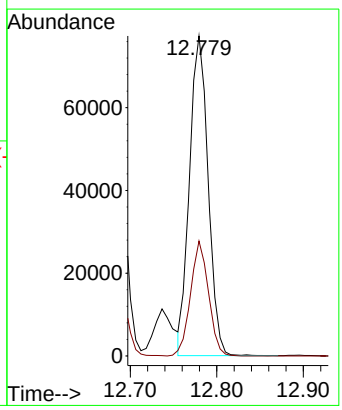


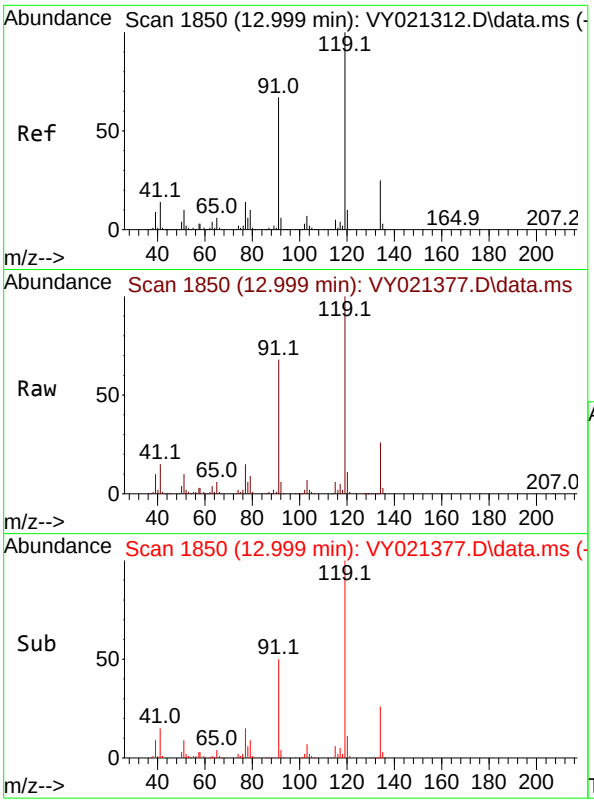


#82
4-Chlorotoluene
Concen: 18.415 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 91 Resp: 115393

Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.8	50.4





#83
tert-Butylbenzene
Concen: 18.640 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

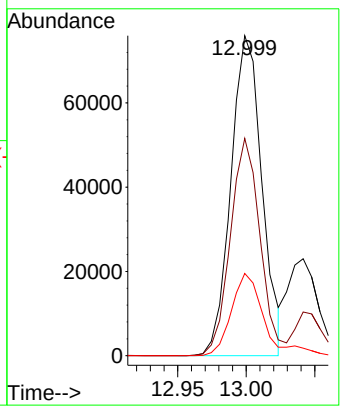
Tgt Ion:119 Resp: 11986

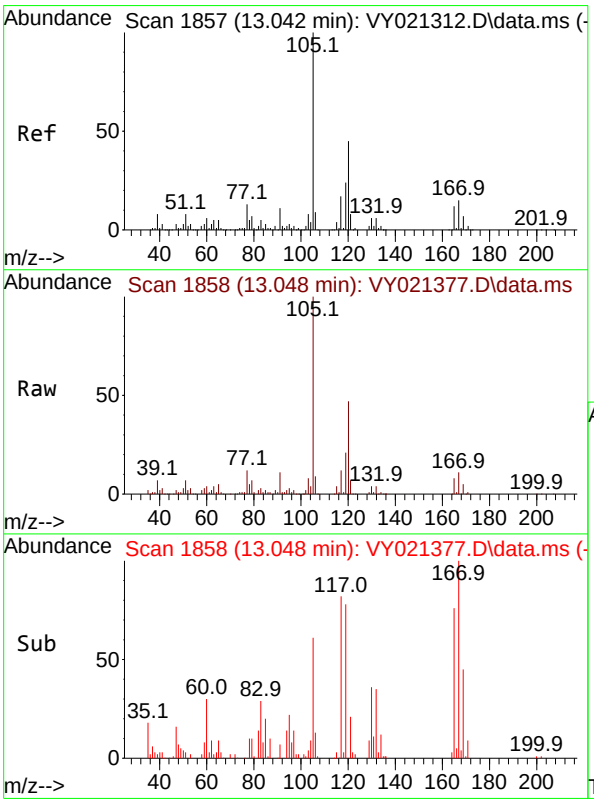
Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.7	98.1
134	27.0	13.3	39.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

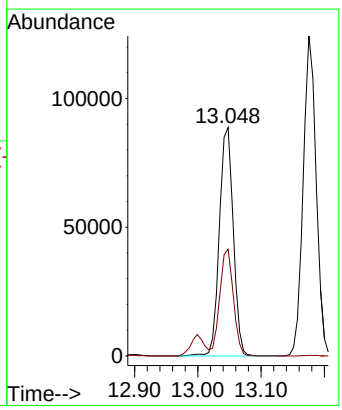


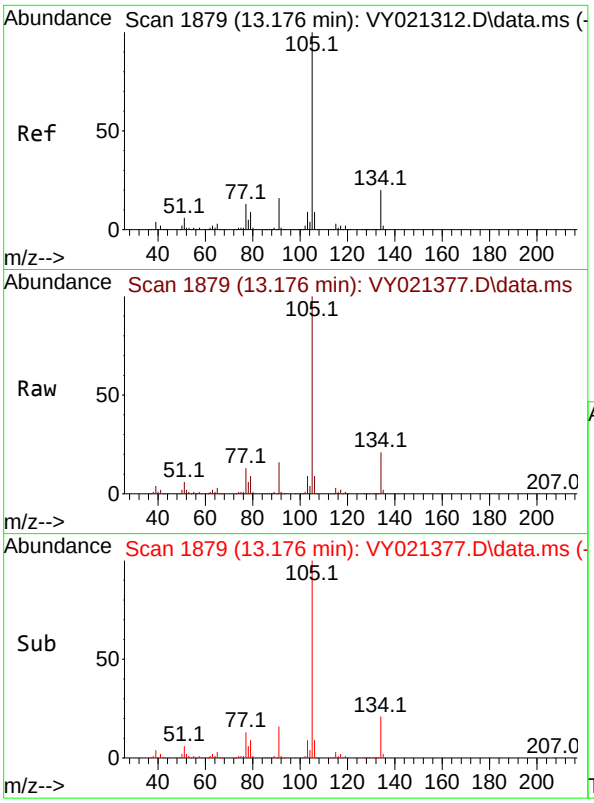


#84
1,2,4-Trimethylbenzene
Concen: 19.106 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:105 Resp: 135274

Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.4	67.3

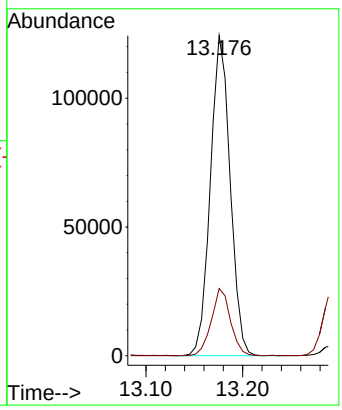




#85
sec-Butylbenzene
Concen: 18.799 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:105 Resp: 17657

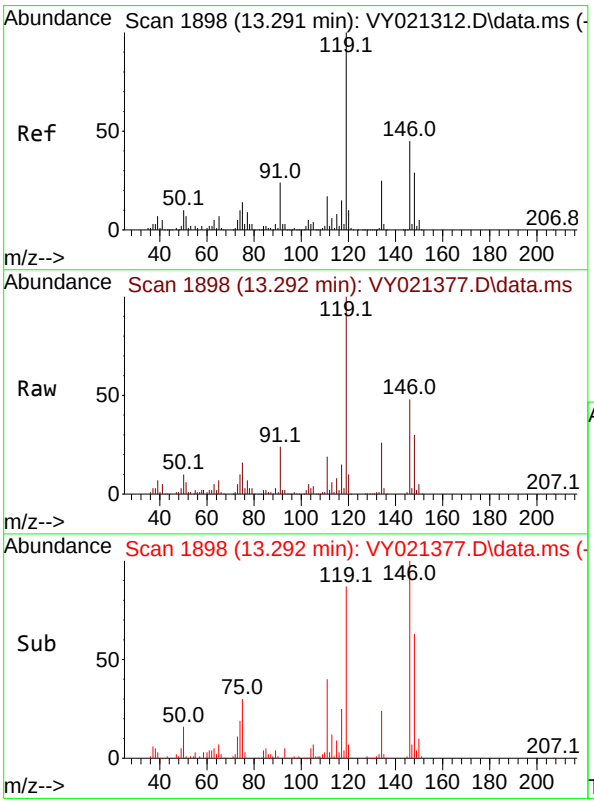
Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

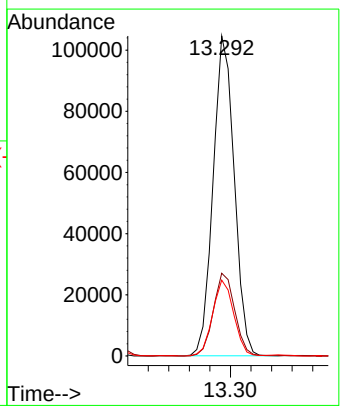
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

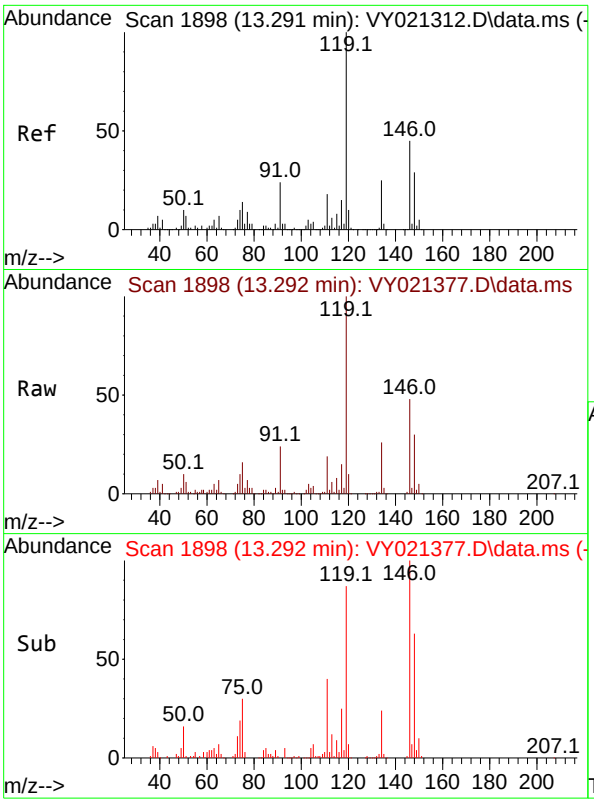


#86
p-Isopropyltoluene
Concen: 18.987 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:119 Resp: 148920

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.0	38.9
91	23.8	12.0	36.1

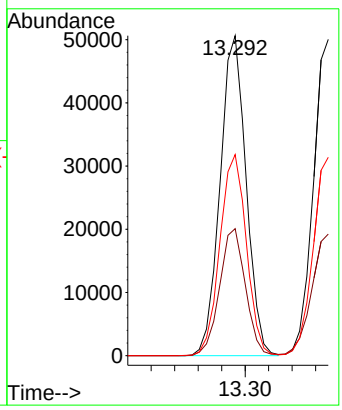




#87
1,3-Dichlorobenzene
Concen: 19.467 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:146 Resp: 7774

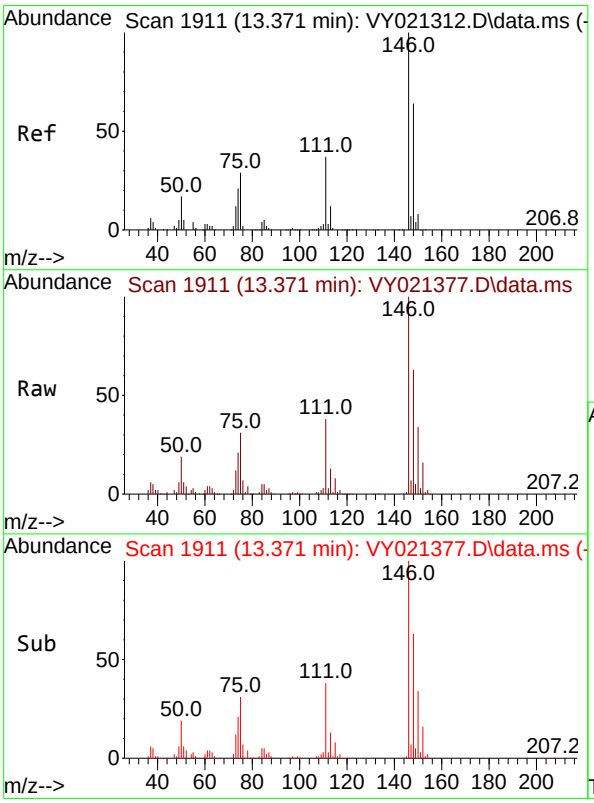
Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	59.9
148	64.1	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

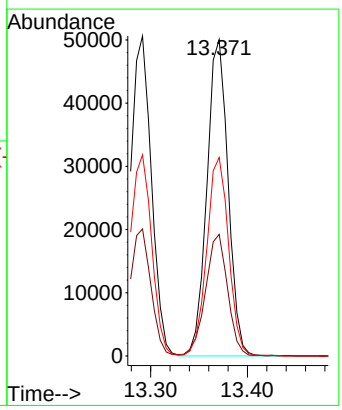
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

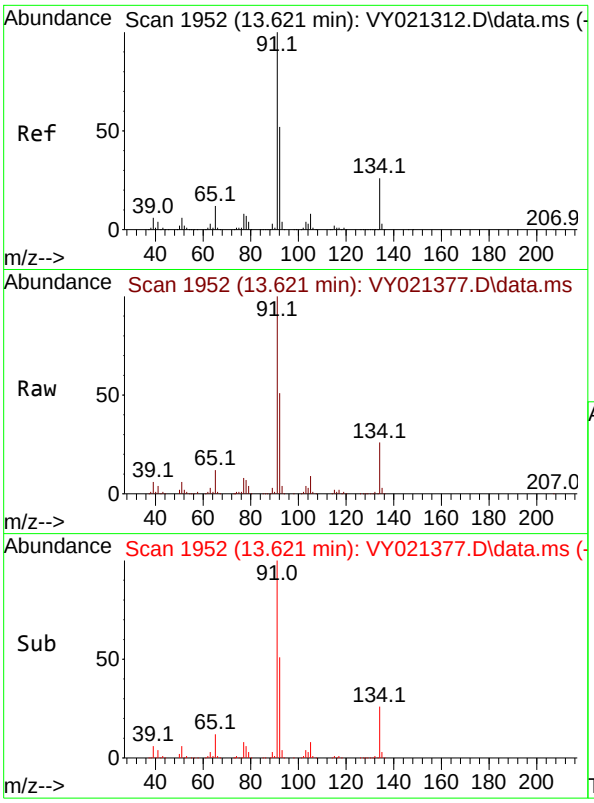


#88
1,4-Dichlorobenzene
Concen: 19.333 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:146 Resp: 76272

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.5	58.5
148	64.9	32.0	96.2

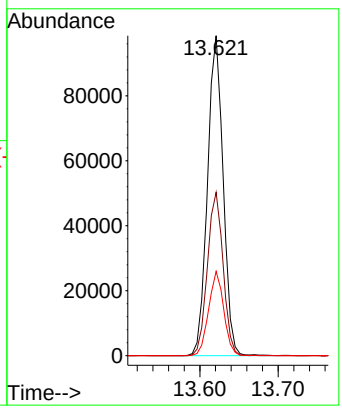




#89
n-Butylbenzene
Concen: 18.503 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 91 Resp: 13656

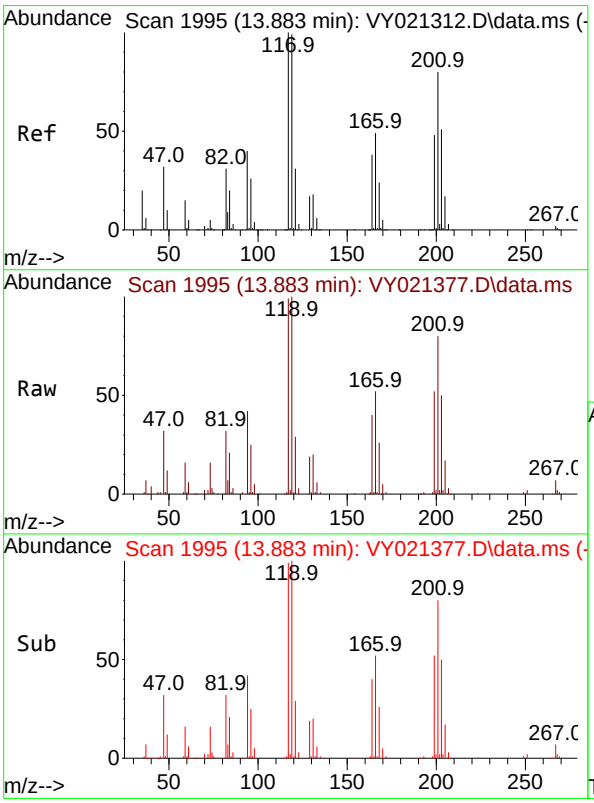
Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.4	79.2
134	25.5	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

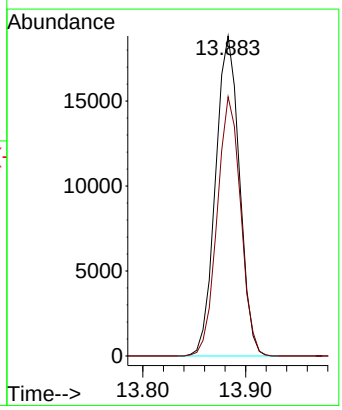
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

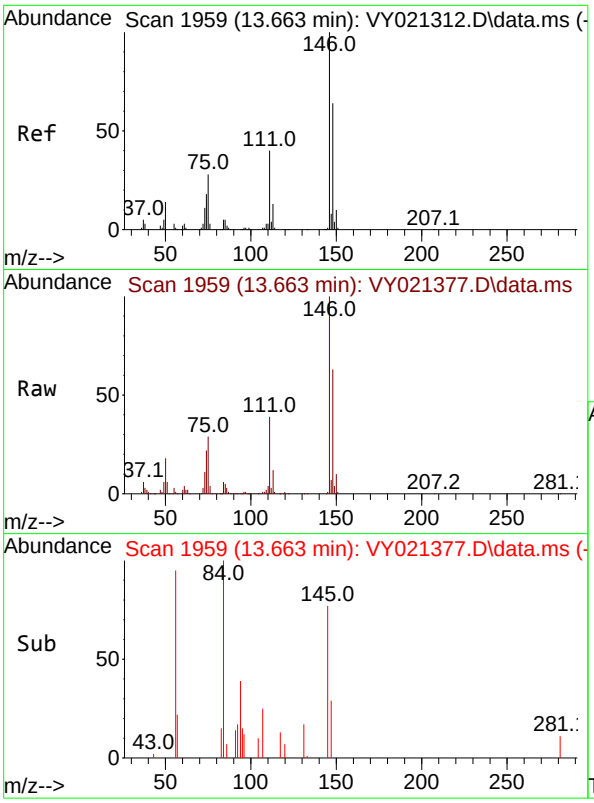


#90
Hexachloroethane
Concen: 18.570 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:117 Resp: 30423

Ion	Ratio	Lower	Upper
117	100		
201	79.6	38.4	115.2

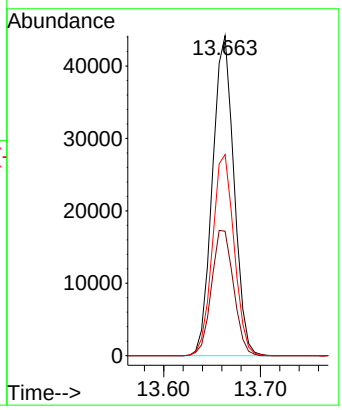




#91
1,2-Dichlorobenzene
Concen: 19.458 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:146 Resp: 6808

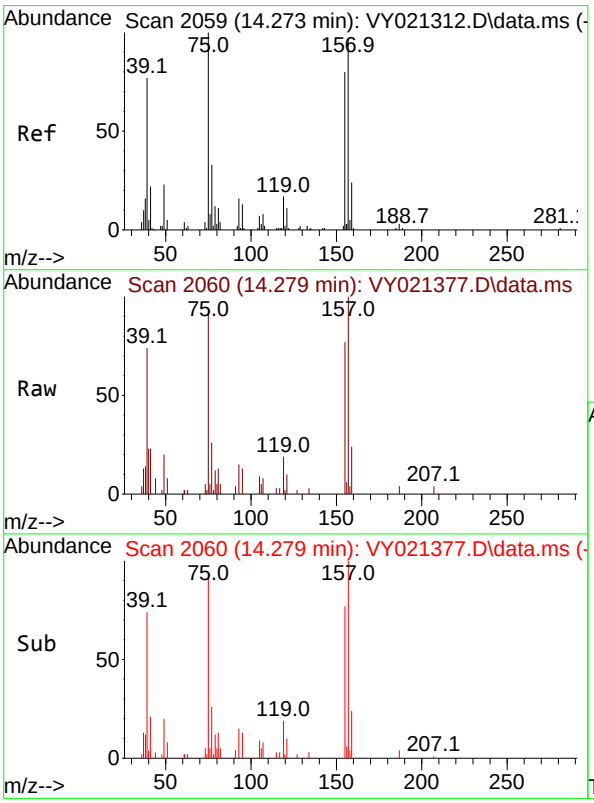
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	63.6	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

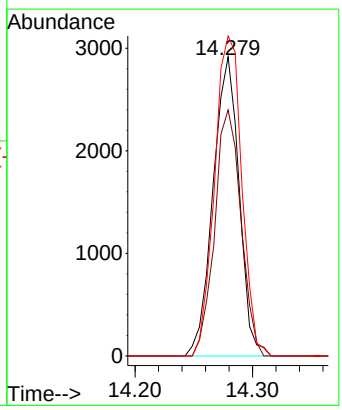
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

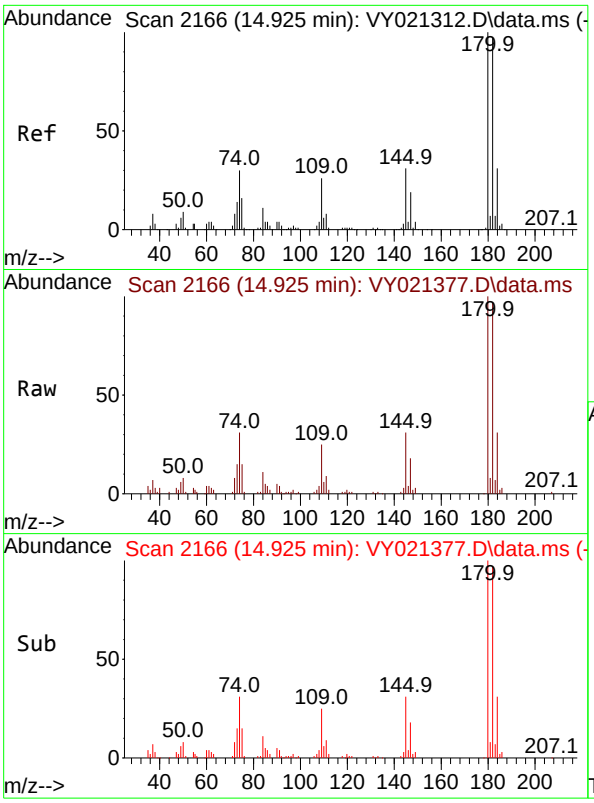


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.532 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion: 75 Resp: 4491

Ion	Ratio	Lower	Upper
75	100		
155	82.7	41.9	125.6
157	111.9	52.5	157.6

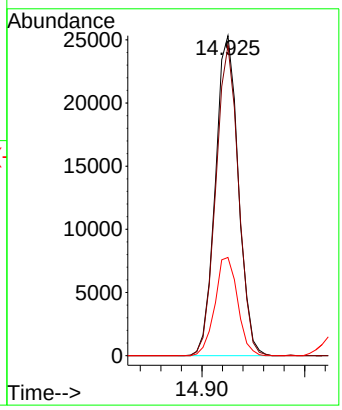




#93
1,2,4-Trichlorobenzene
Concen: 18.384 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:180 Resp: 3925

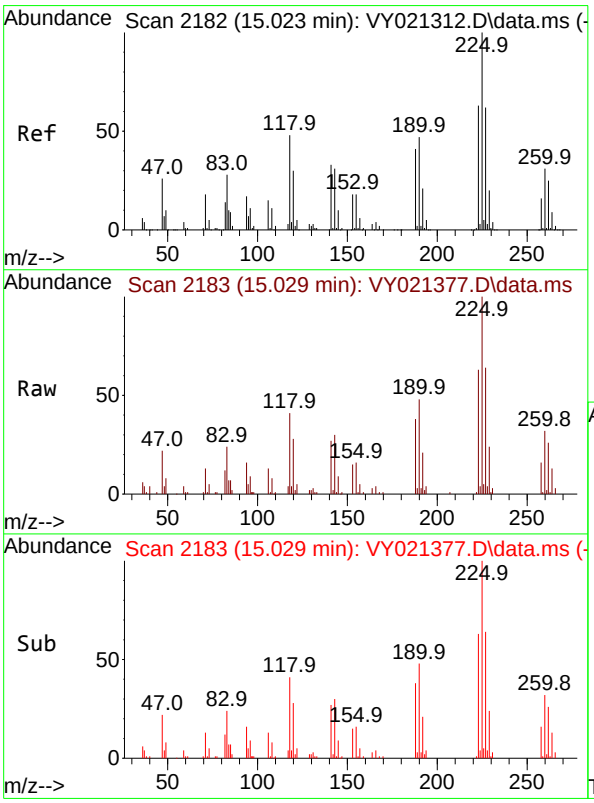
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	30.4	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

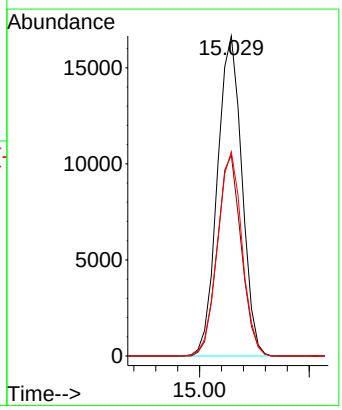
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

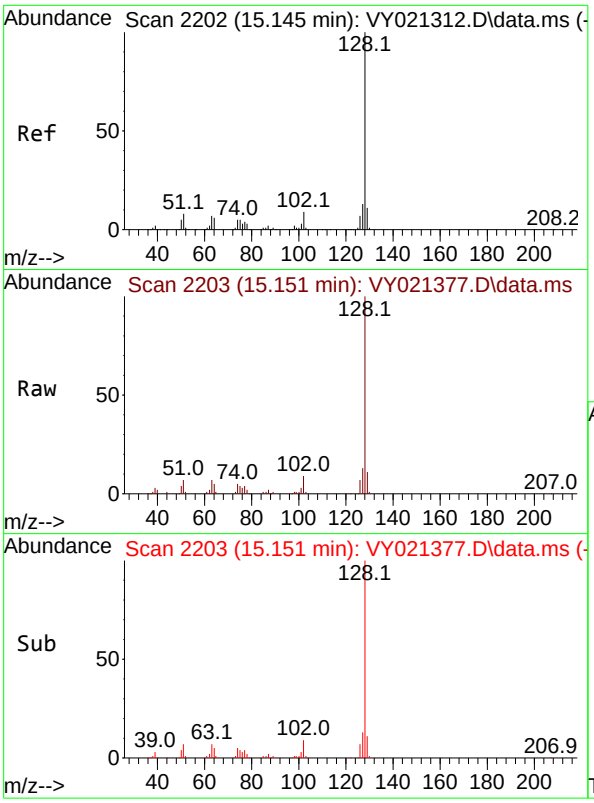


#94
Hexachlorobutadiene
Concen: 19.232 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:225 Resp: 25857

Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.8	95.4
227	63.7	31.9	95.7

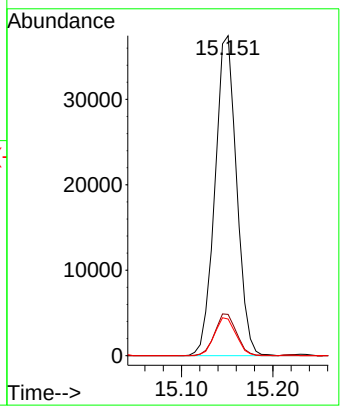




#95
Naphthalene
Concen: 17.459 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:128 Resp: 6175

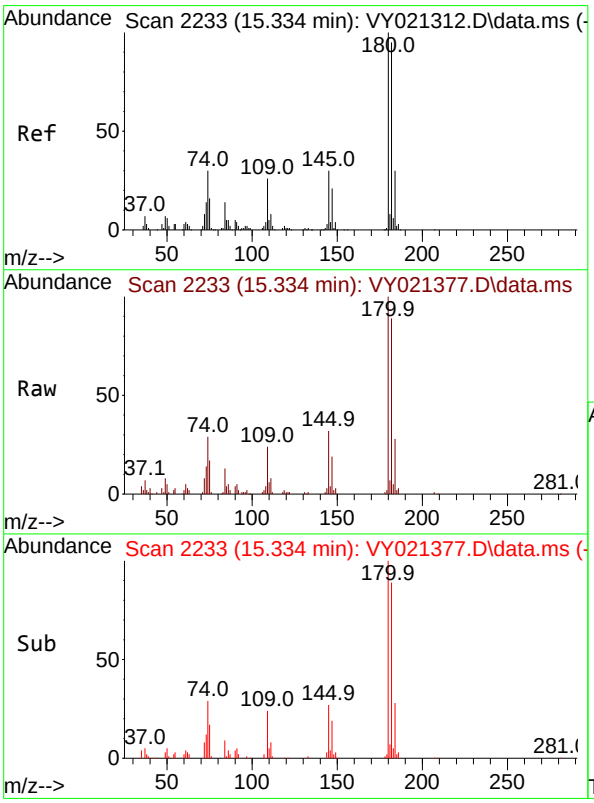
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.8	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Manual Integrations
APPROVED

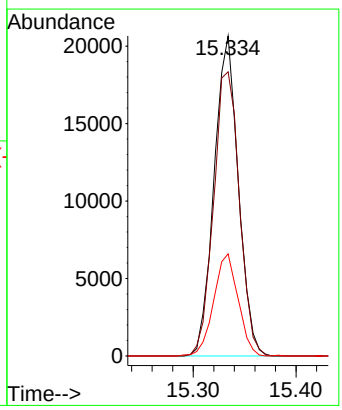
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.696 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021377.D
Acq: 28 Feb 2025 11:32

Tgt Ion:180 Resp: 33733

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.3	144.9
145	32.2	16.1	48.3



Raw Data: **VY021428.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0306SBS01	SDG No.:	Q1421
Lab Sample ID:	VY0306SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021428.D	1		03/06/25 12:33	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.0		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.0		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		0.78	5.00	ug/Kg
67-64-1	Acetone	79.7		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.7		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.0		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.6		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.2		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.69	5.00	ug/Kg
78-93-3	2-Butanone	93.5		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.5		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.7		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.7		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.2		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.7		0.87	5.00	ug/Kg
71-43-2	Benzene	19.4		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.2		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.8		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.8		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	19.2		0.67	5.00	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0306SBS01	SDG No.:	Q1421
Lab Sample ID:	VY0306SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021428.D	1		03/06/25 12:33	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	98.1		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.3		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.6		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	17.8		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	36.6		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.2		0.70	5.00	ug/Kg
100-42-5	Styrene	18.6		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.8		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.1		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.8		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.7		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.0		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	18.2		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.3		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.4		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	49.5		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		38 - 136	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	7.707			
540-36-3	1,4-Difluorobenzene	318000	8.616			
3114-55-4	Chlorobenzene-d5	293000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.346			

Raw Data: **VY021428.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	VY0306SBS01	SDG No.:	Q1421
Lab Sample ID:	VY0306SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021428.D	1		03/06/25 12:33	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021428.D
Acq On : 06 Mar 2025 12:33
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 00:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	200172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	318431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	292608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112611	53.226	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.460%			
35) Dibromofluoromethane	7.634	113	104961	50.146	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.300%			
50) Toluene-d8	10.109	98	392444	49.519	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.040%			
62) 4-Bromofluorobenzene	12.408	95	136984	50.814	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	33007	17.969	ug/l	94
3) Chloromethane	2.068	50	52532	20.284	ug/l	98
4) Vinyl Chloride	2.202	62	56741	20.049	ug/l	96
5) Bromomethane	2.592	94	44636	21.822	ug/l	98
6) Chloroethane	2.733	64	39312	21.019	ug/l	98
7) Trichlorofluoromethane	3.056	101	79025	20.005	ug/l	96
8) Diethyl Ether	3.452	74	22647	20.687	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	44869	19.895	ug/l	96
10) Methyl Iodide	4.007	142	41886	18.270	ug/l	99
11) Tert butyl alcohol	4.866	59	15090	95.800	ug/l	100
12) 1,1-Dichloroethene	3.781	96	39325	19.125	ug/l	93
13) Acrolein	3.647	56	17379	161.496	ug/l	92
14) Allyl chloride	4.385	41	63708	19.172	ug/l	100
15) Acrylonitrile	5.061	53	47217	101.322	ug/l	99
16) Acetone	3.879	43	36769	79.681	ug/l	90
17) Carbon Disulfide	4.104	76	120251	18.661	ug/l	99
18) Methyl Acetate	4.385	43	21063	20.572	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	104134	19.981	ug/l	95
20) Methylene Chloride	4.616	84	46665	19.265	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	44042	19.126	ug/l	94
22) Diisopropyl ether	6.019	45	146814	20.501	ug/l	99
23) Vinyl Acetate	5.964	43	414075	101.317	ug/l	99
24) 1,1-Dichloroethane	5.915	63	85556	20.243	ug/l	99
25) 2-Butanone	6.896	43	59669	93.477	ug/l	100
26) 2,2-Dichloropropane	6.884	77	69379	17.840	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	51434	19.661	ug/l	98
28) Bromochloromethane	7.244	49	36673	20.697	ug/l	98
29) Tetrahydrofuran	7.268	42	40269	102.187	ug/l	99
30) Chloroform	7.421	83	88331	20.126	ug/l	100
31) Cyclohexane	7.701	56	73140	18.459	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	77342	19.246	ug/l	99
36) 1,1-Dichloropropene	7.835	75	61060	18.637	ug/l	99
37) Ethyl Acetate	6.982	43	28431	19.633	ug/l	99
38) Carbon Tetrachloride	7.817	117	69637	18.481	ug/l	96
39) Methylcyclohexane	9.109	83	71256	17.731	ug/l	95
40) Benzene	8.079	78	186841	19.359	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021428.D
Acq On : 06 Mar 2025 12:33
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 00:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	16604m	21.058	ug/l		
42) 1,2-Dichloroethane	8.158	62	54457	20.169	ug/l		99
43) Isopropyl Acetate	8.195	43	55820	19.857	ug/l	#	88
44) Trichloroethene	8.866	130	45767	18.765	ug/l		94
45) 1,2-Dichloropropane	9.140	63	46505	20.246	ug/l		96
46) Dibromomethane	9.231	93	26168	20.474	ug/l		97
47) Bromodichloromethane	9.420	83	67190	19.796	ug/l		98
48) Methyl methacrylate	9.219	41	24974	19.347	ug/l		99
49) 1,4-Dioxane	9.225	88	5504	438.744	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.000	43	146138	100.753	ug/l		98
52) Toluene	10.170	92	117027	19.233	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	58703	19.631	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	68234	19.219	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	33464	20.016	ug/l		98
56) Ethyl methacrylate	10.438	69	41900	19.651	ug/l		97
57) 1,3-Dichloropropane	10.719	76	58893	20.324	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	107422	109.136	ug/l		98
59) 2-Hexanone	10.762	43	94061	98.075	ug/l		98
60) Dibromochloromethane	10.914	129	45747	19.959	ug/l		98
61) 1,2-Dibromoethane	11.018	107	31502	19.965	ug/l		100
64) Tetrachloroethene	10.646	164	43645	18.343	ug/l		99
65) Chlorobenzene	11.444	112	128656	18.619	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	45244	18.520	ug/l		99
67) Ethyl Benzene	11.518	91	216170	17.824	ug/l		99
68) m/p-Xylenes	11.633	106	168512	36.598	ug/l		100
69) o-Xylene	11.957	106	77025	18.151	ug/l		100
70) Styrene	11.969	104	130672	18.561	ug/l		99
71) Bromoform	12.133	173	25622	18.762	ug/l	#	97
73) Isopropylbenzene	12.255	105	205378	17.133	ug/l		100
74) N-amyl acetate	12.072	43	47083	18.086	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	39820	18.824	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	28901m	18.847	ug/l		
77) Bromobenzene	12.536	156	49192	17.541	ug/l		99
78) n-propylbenzene	12.597	91	254198	17.461	ug/l		100
79) 2-Chlorotoluene	12.682	91	146854	17.642	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	173931	17.854	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	12183	18.061	ug/l		96
82) 4-Chlorotoluene	12.780	91	154146	17.882	ug/l		100
83) tert-Butylbenzene	12.999	119	149456	17.198	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	173214	17.908	ug/l		98
85) sec-Butylbenzene	13.176	105	224638	17.373	ug/l		100
86) p-Isopropyltoluene	13.292	119	186440	17.502	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	98755	17.691	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	98346	18.014	ug/l		99
89) n-Butylbenzene	13.621	91	171737	17.459	ug/l		99
90) Hexachloroethane	13.883	117	39531	17.395	ug/l		100
91) 1,2-Dichlorobenzene	13.664	146	87199	18.225	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6144	19.390	ug/l		92
93) 1,2,4-Trichlorobenzene	14.925	180	45266	17.321	ug/l		98
94) Hexachlorobutadiene	15.029	225	29954	18.285	ug/l		99
95) Naphthalene	15.145	128	71743	18.264	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	38134	17.350	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021428.D
Acq On : 06 Mar 2025 12:33
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Quant Time: Mar 07 00:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

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

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

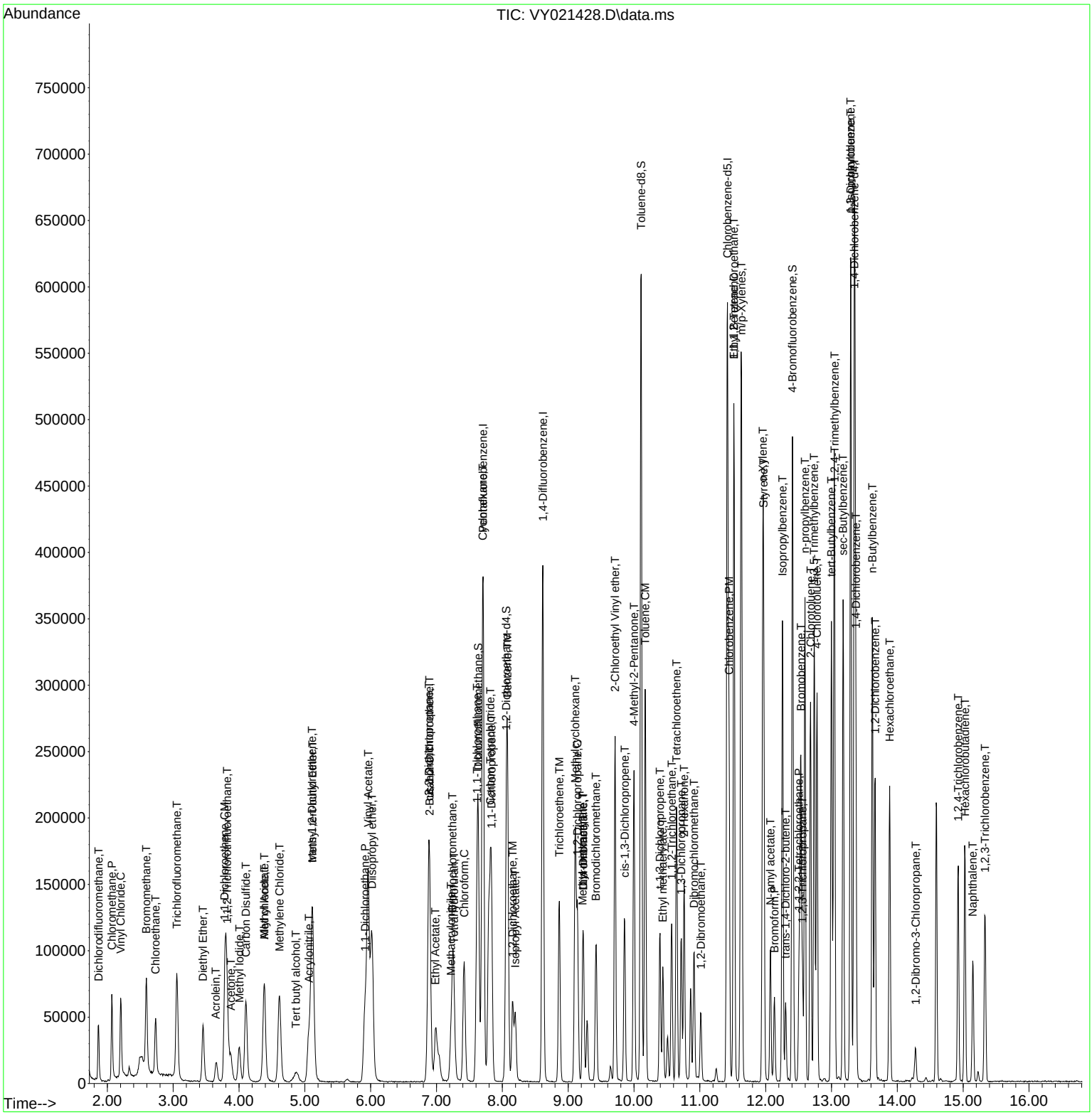
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021428.D
Acq On : 06 Mar 2025 12:33
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

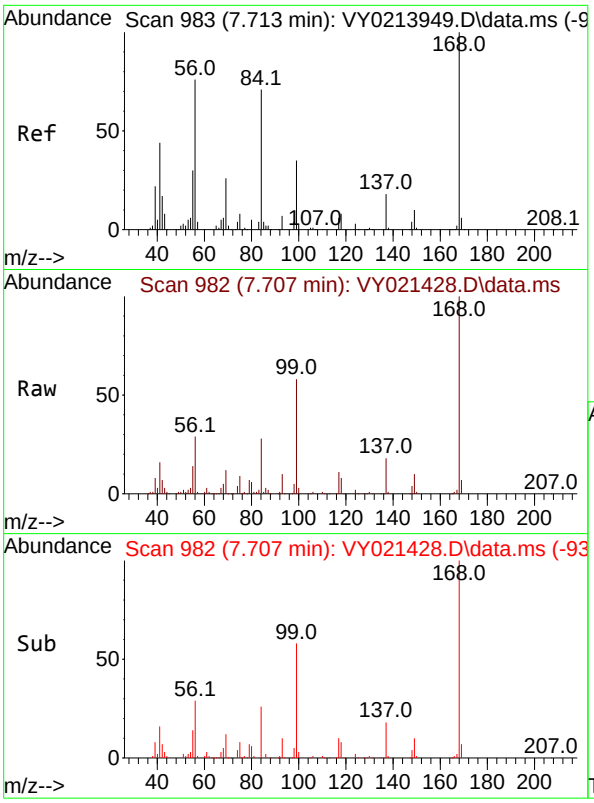
Quant Time: Mar 07 00:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

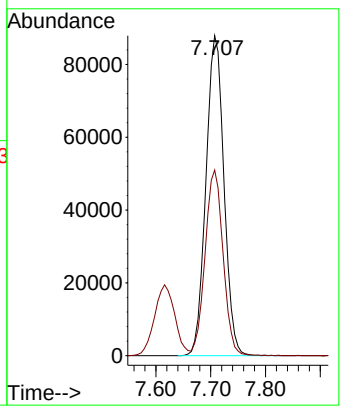




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:168 Resp: 20017

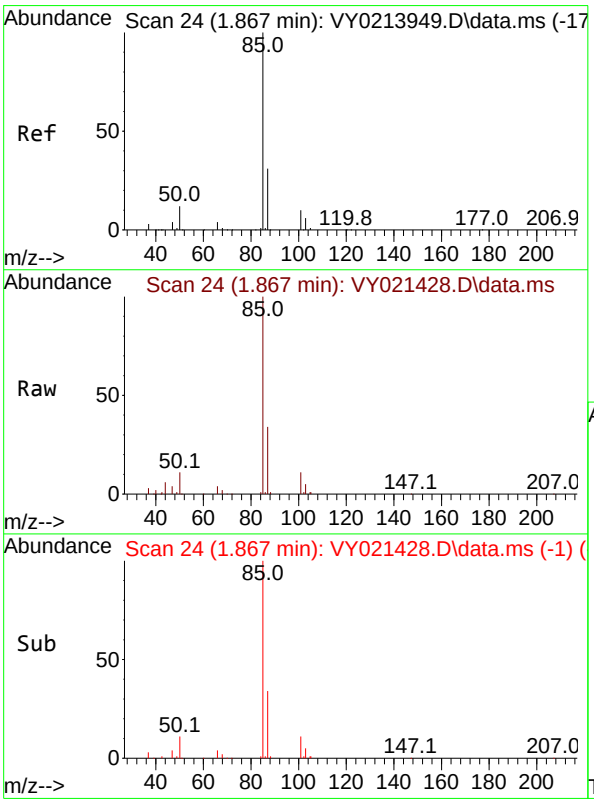
Ion	Ratio	Lower	Upper
168	100		
99	57.8	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

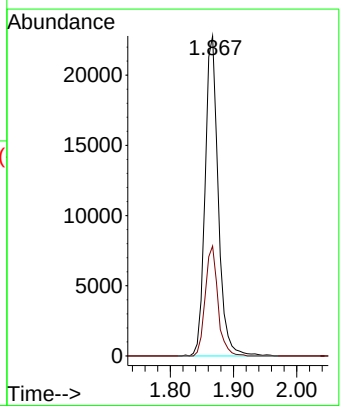
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

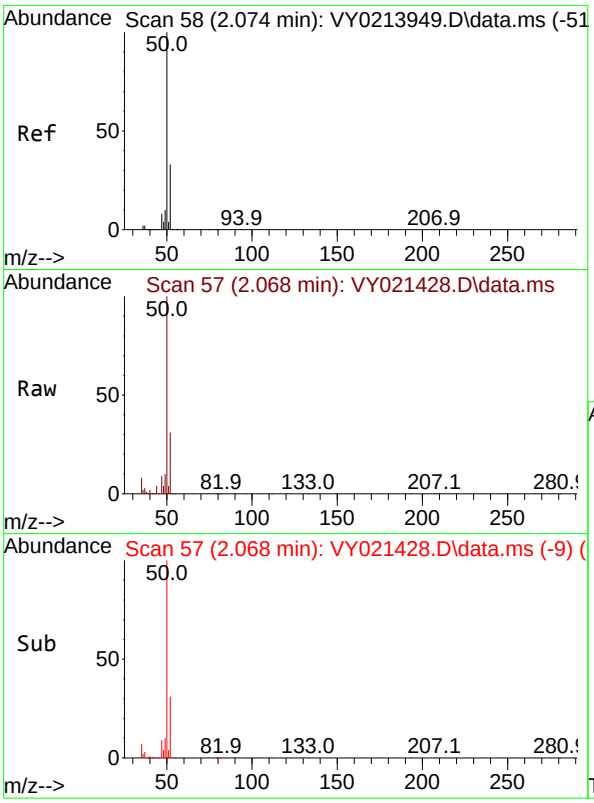


#2
Dichlorodifluoromethane
Concen: 17.969 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 85 Resp: 33007

Ion	Ratio	Lower	Upper
85	100		
87	34.4	15.7	47.0

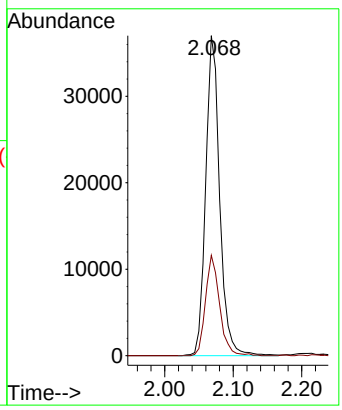




#3
Chloromethane
Concen: 20.284 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 50 Resp: 5253

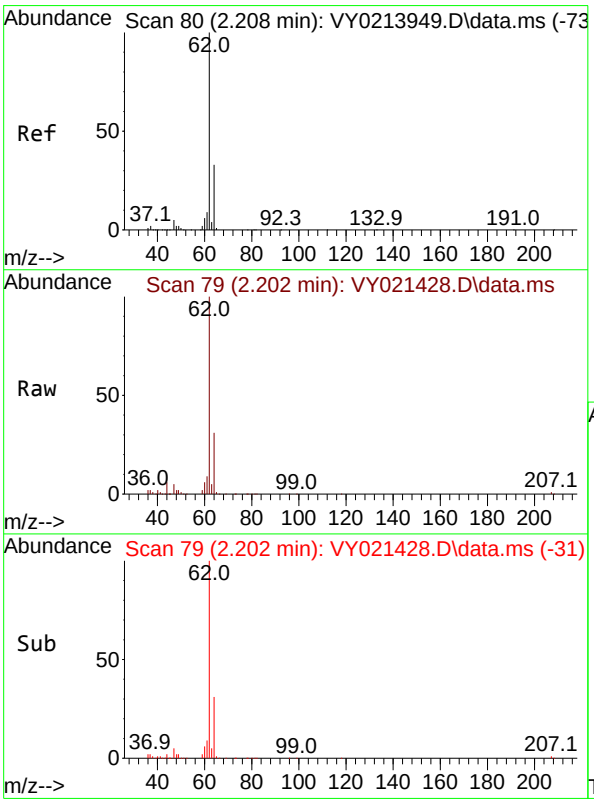
Ion	Ratio	Lower	Upper
50	100		
52	31.3	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

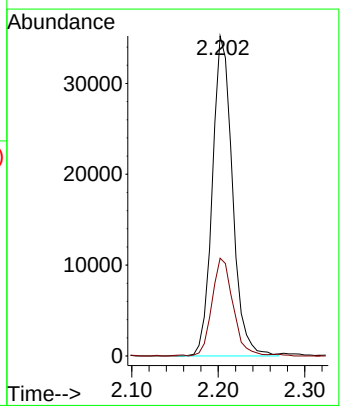
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

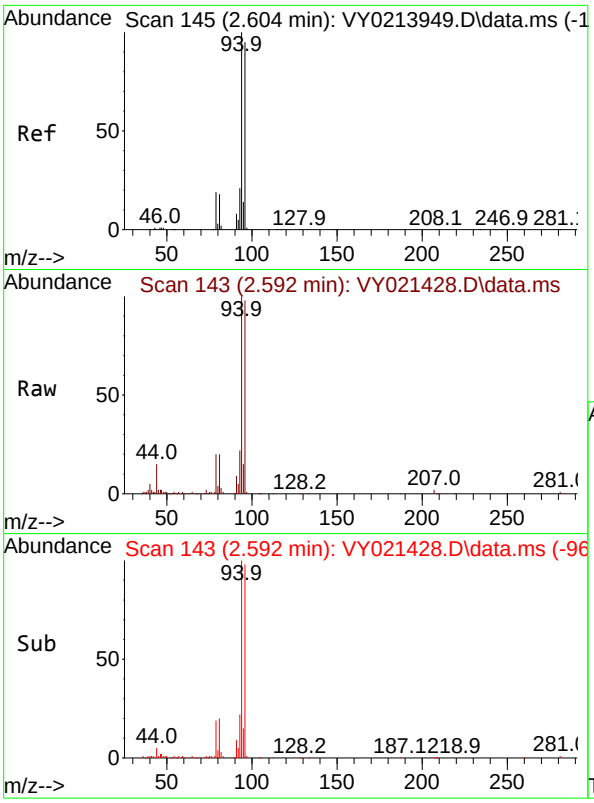


#4
Vinyl Chloride
Concen: 20.049 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 62 Resp: 56741

Ion	Ratio	Lower	Upper
62	100		
64	30.3	26.2	39.2

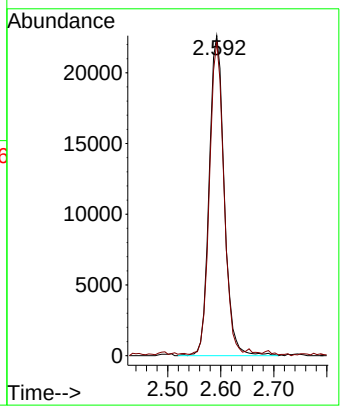




#5
Bromomethane
Concen: 21.822 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 94 Resp: 4463(

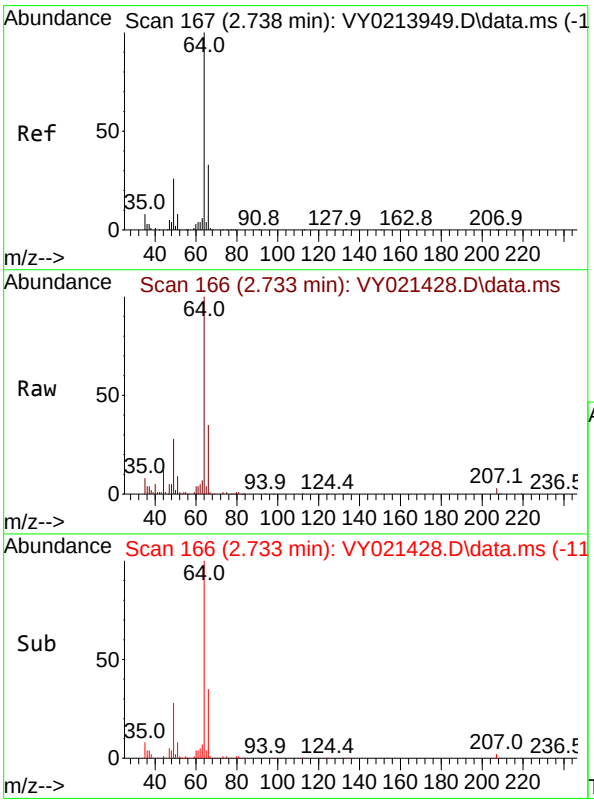
Ion	Ratio	Lower	Upper
94	100		
96	97.8	76.3	114.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

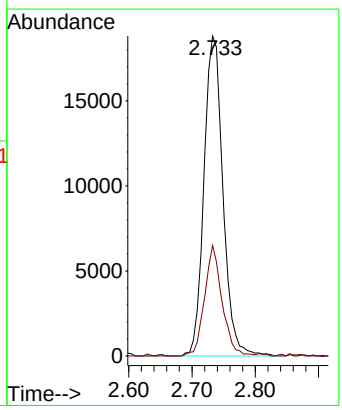
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

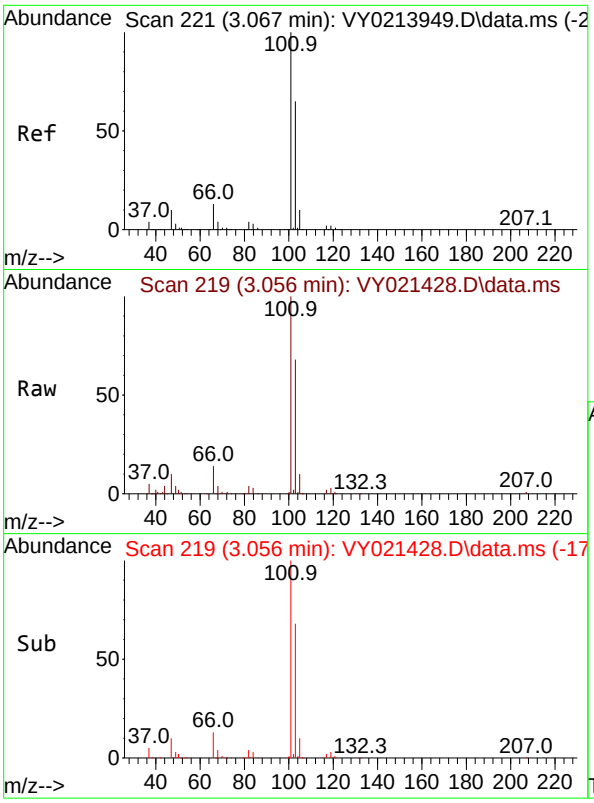


#6
Chloroethane
Concen: 21.019 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 64 Resp: 39312

Ion	Ratio	Lower	Upper
64	100		
66	34.6	26.7	40.1

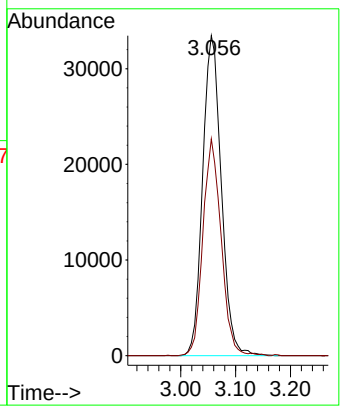




#7
Trichlorofluoromethane
Concen: 20.005 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:101 Resp: 7902

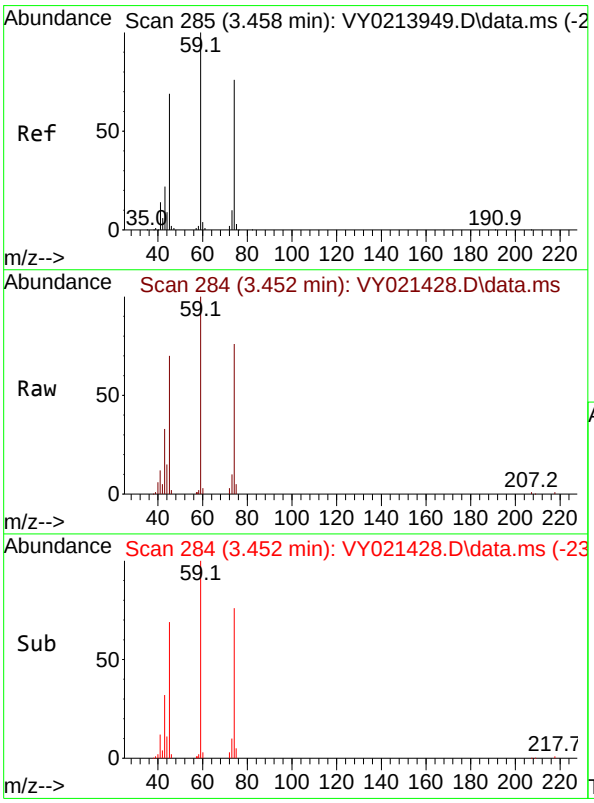
Ion	Ratio	Lower	Upper
101	100		
103	67.7	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

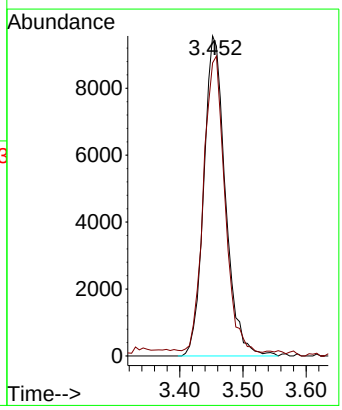
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

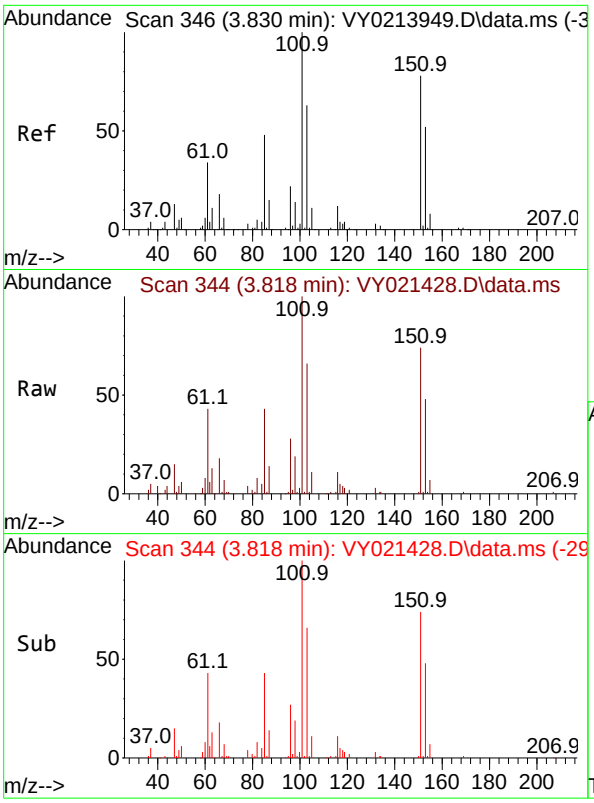


#8
Diethyl Ether
Concen: 20.687 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 74 Resp: 22647

Ion	Ratio	Lower	Upper
74	100		
45	91.3	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.895 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

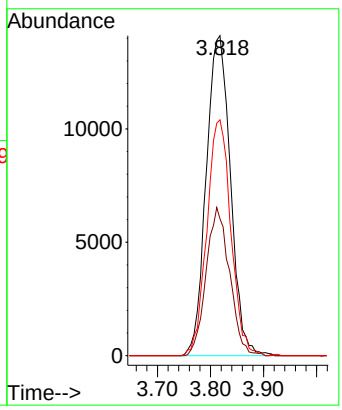
Tgt Ion:101 Resp: 4486

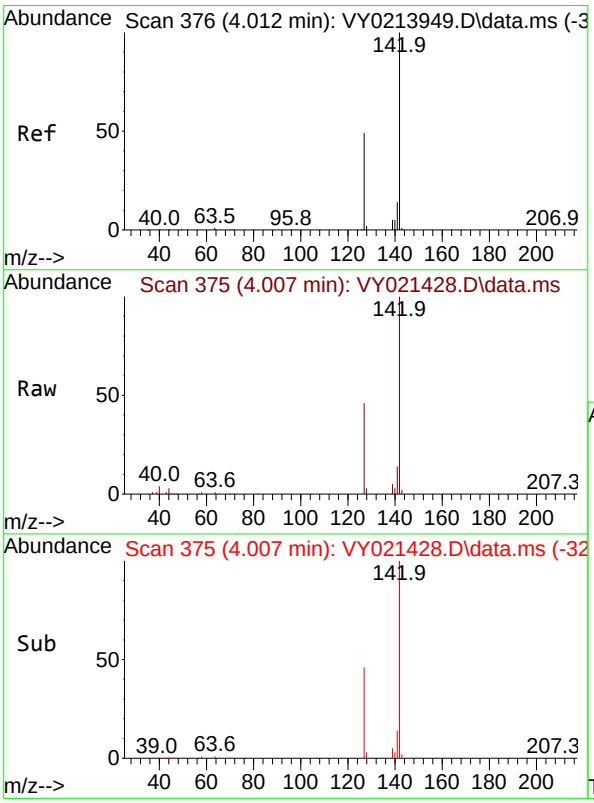
Ion	Ratio	Lower	Upper
101	100		
85	44.7	37.1	55.7
151	73.0	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

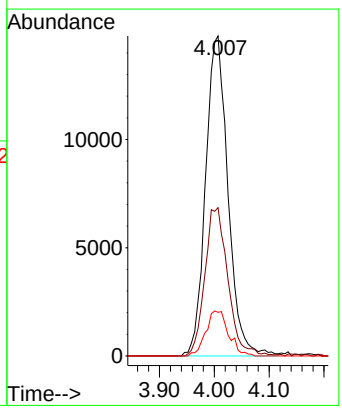


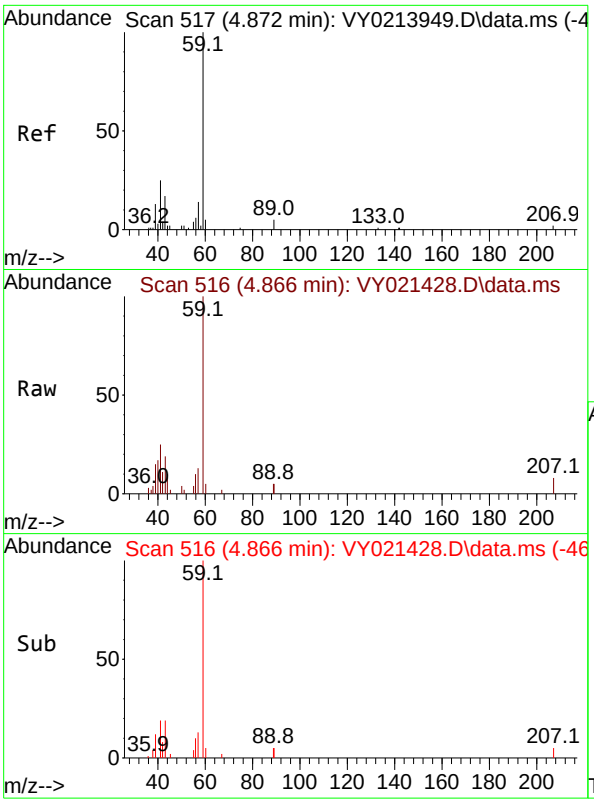


#10
Methyl Iodide
Concen: 18.270 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:142 Resp: 41886

Ion	Ratio	Lower	Upper
142	100		
127	47.9	39.1	58.7
141	14.3	11.8	17.6

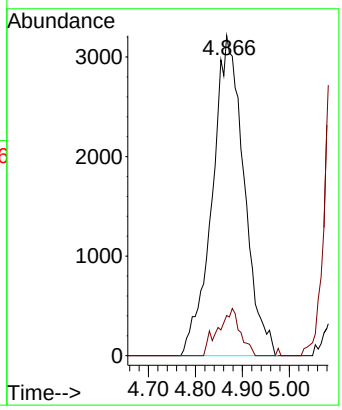




#11
Tert butyl alcohol
Concen: 95.800 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 59 Resp: 1509

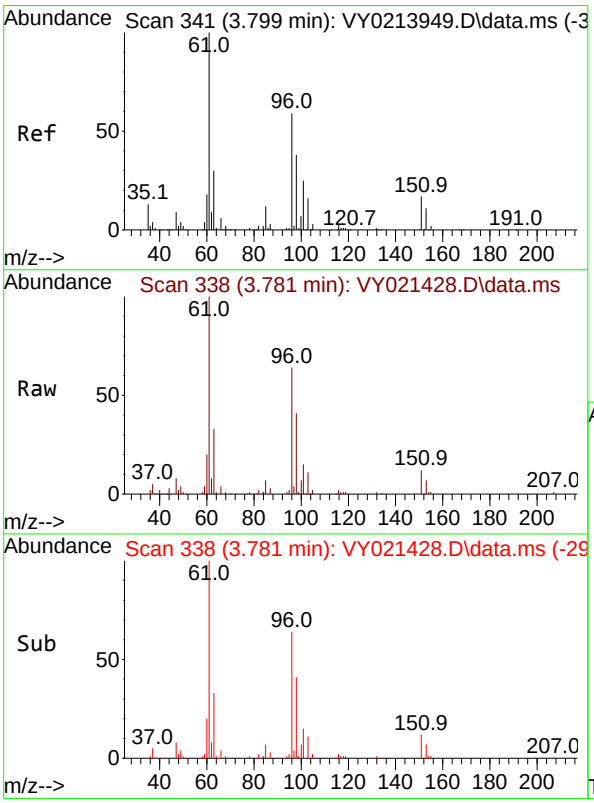
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

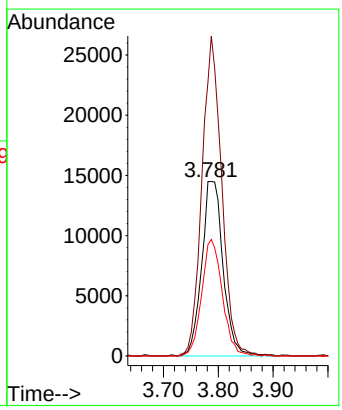
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

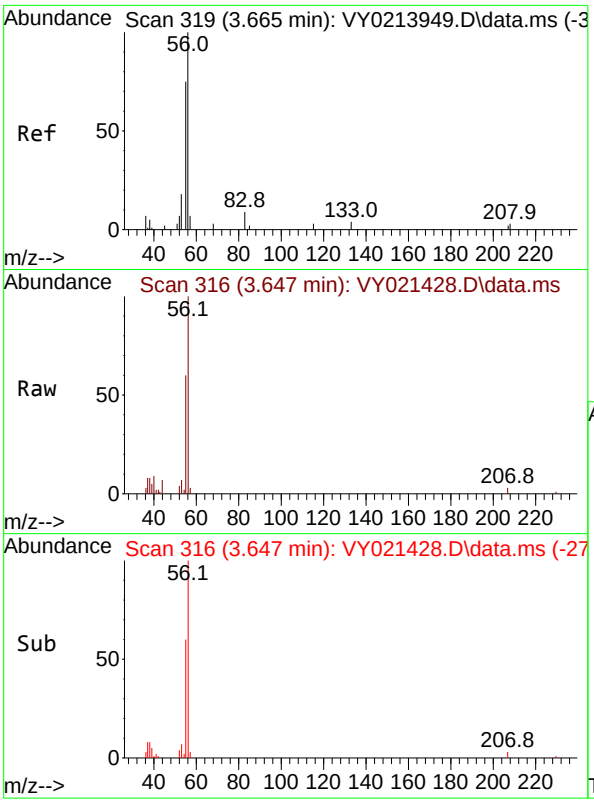


#12
1,1-Dichloroethene
Concen: 19.125 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.018 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 96 Resp: 39325

Ion	Ratio	Lower	Upper
96	100		
61	157.0	135.2	202.8
98	63.8	51.4	77.2





#13
Acrolein
Concen: 161.496 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.018 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

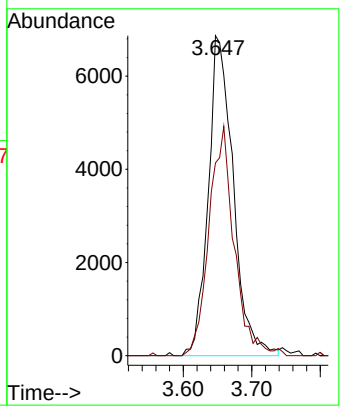
Tgt Ion: 56 Resp: 1737

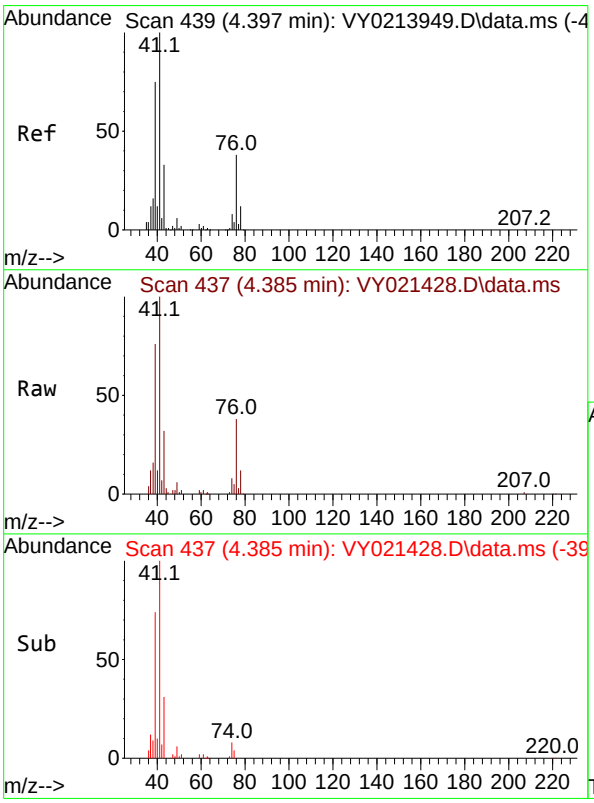
Ion	Ratio	Lower	Upper
56	100		
55	72.3	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

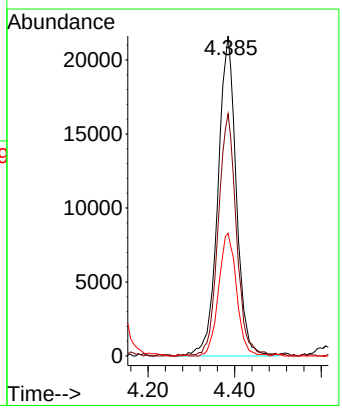


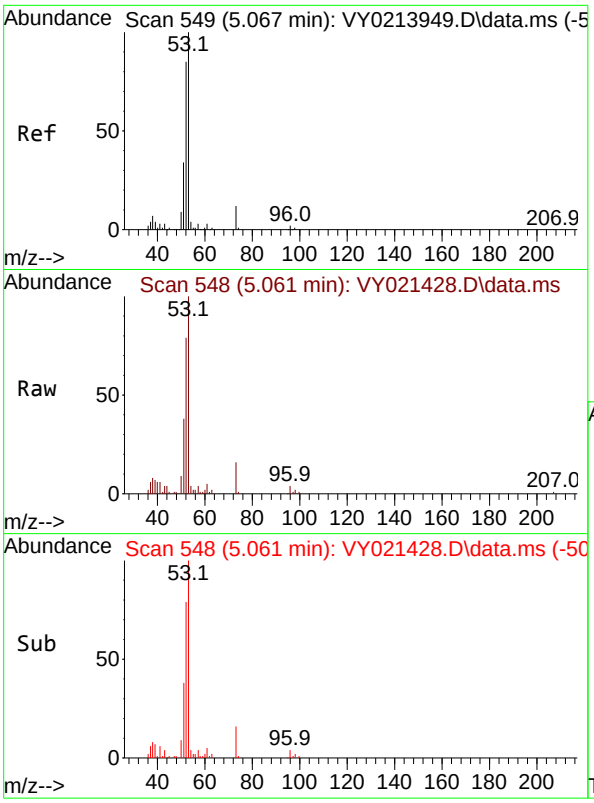


#14
Allyl chloride
Concen: 19.172 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 41 Resp: 63708

Ion	Ratio	Lower	Upper
41	100		
39	73.7	59.3	88.9
76	37.6	29.8	44.8





#15
Acrylonitrile
Concen: 101.322 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

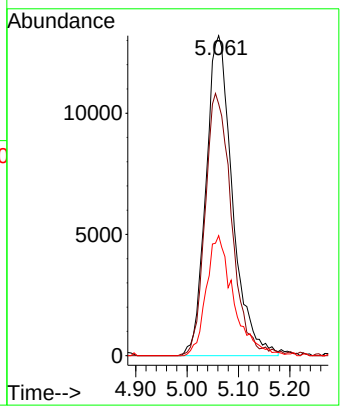
Tgt Ion: 53 Resp: 4721

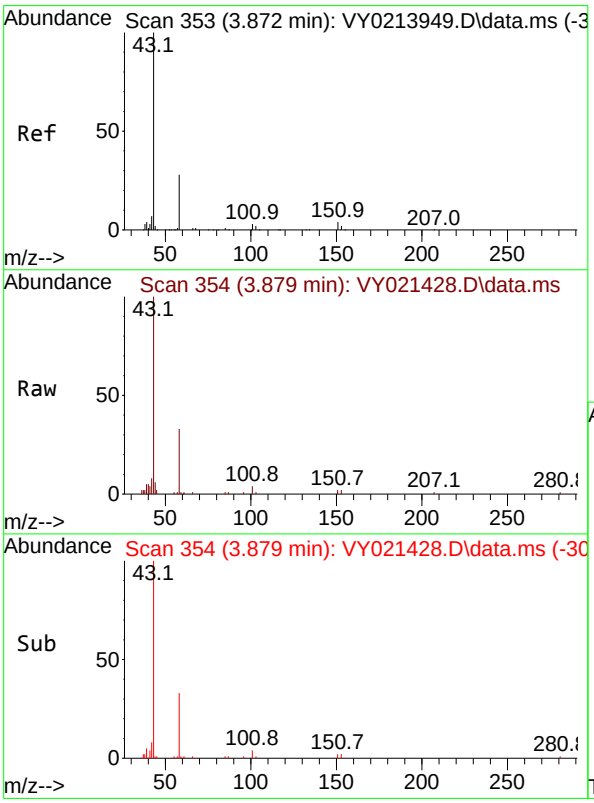
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.3	99.5
51	38.6	30.3	45.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

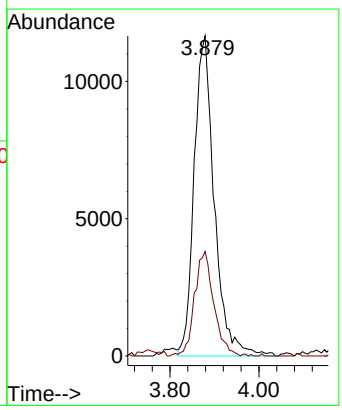


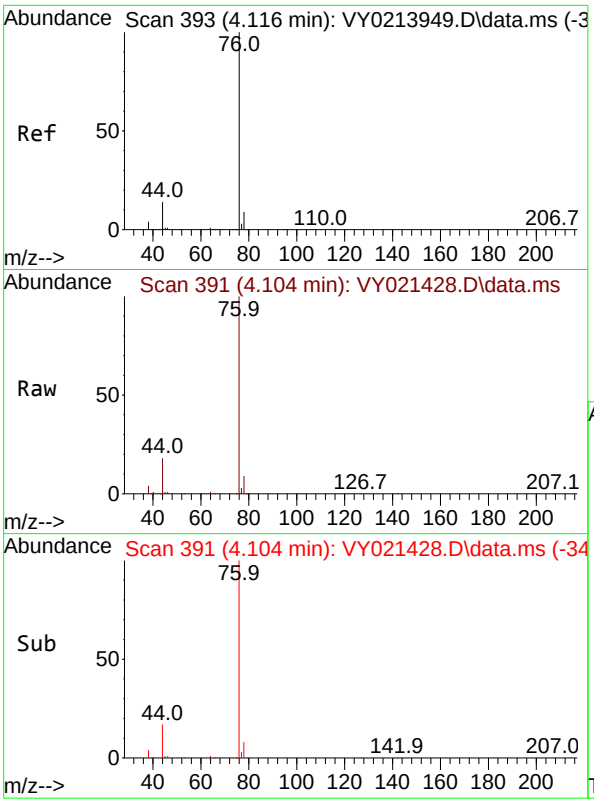


#16
Acetone
Concen: 79.681 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.007 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 43 Resp: 36769

Ion	Ratio	Lower	Upper
43	100		
58	32.6	22.1	33.1

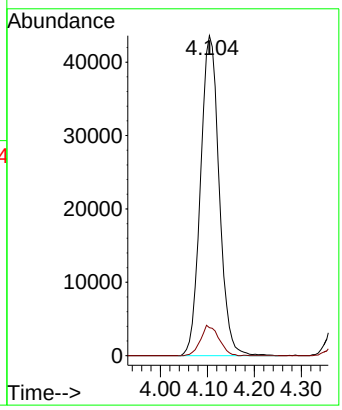




#17
Carbon Disulfide
Concen: 18.661 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 76 Resp: 12025

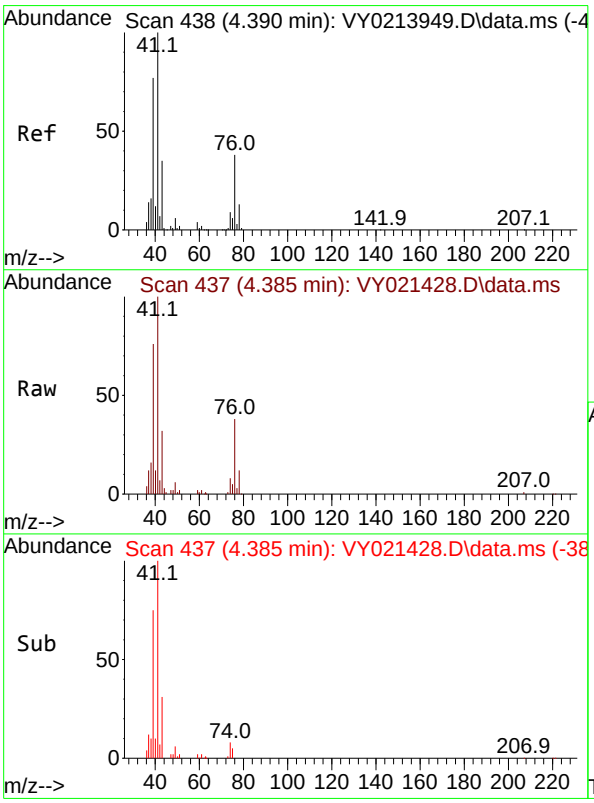
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

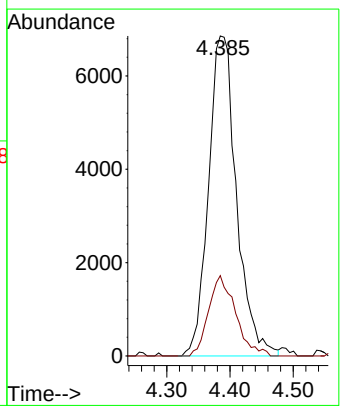
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

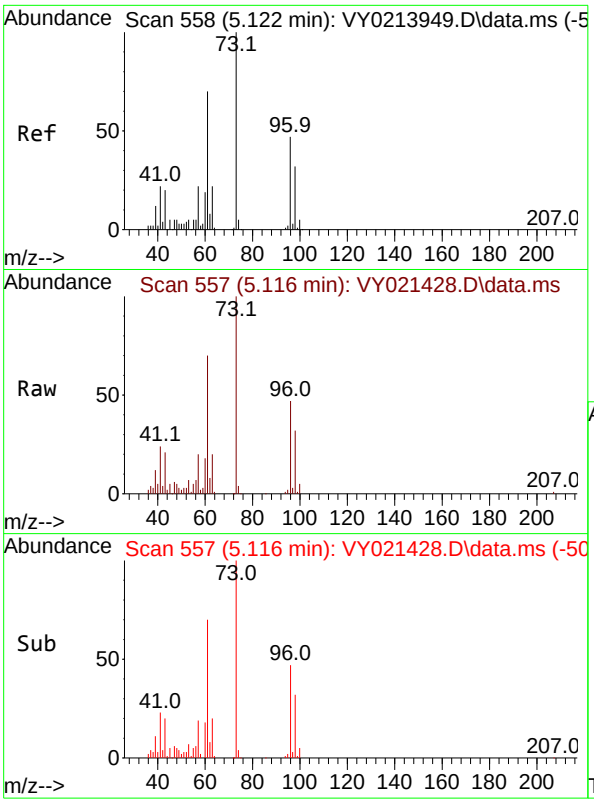


#18
Methyl Acetate
Concen: 20.572 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 43 Resp: 21063

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.4	29.0

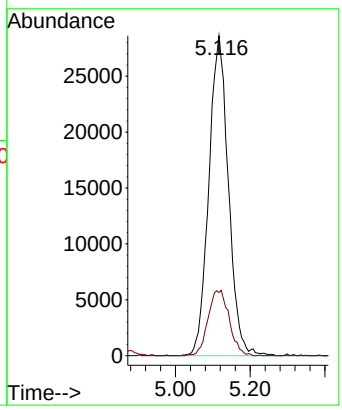




#19
Methyl tert-butyl Ether
Concen: 19.981 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 73 Resp: 10413

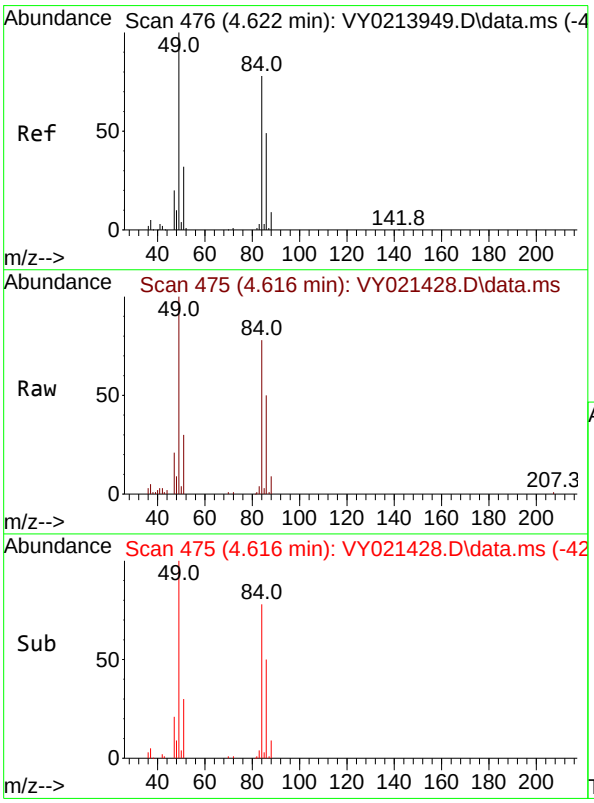
Ion	Ratio	Lower	Upper
73	100		
57	19.8	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

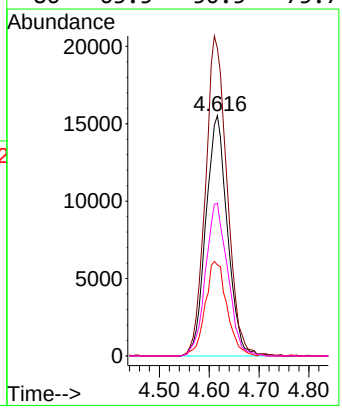
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

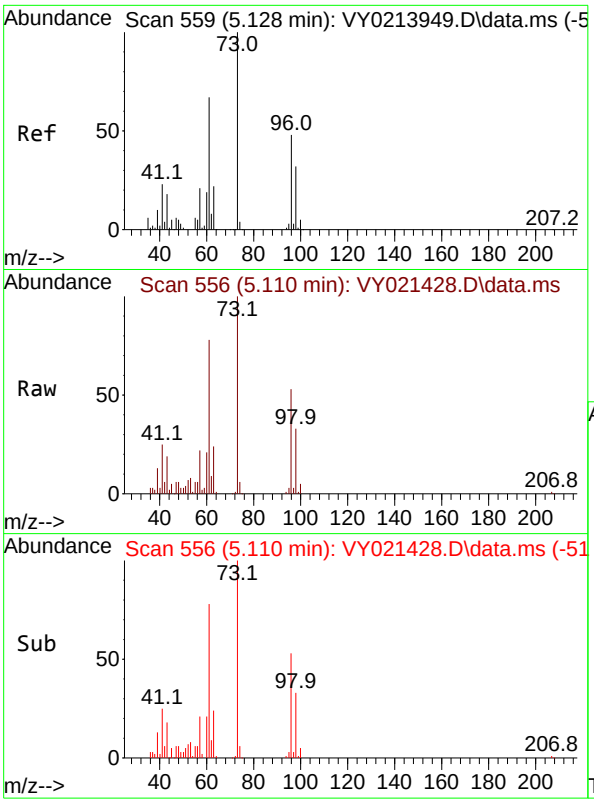


#20
Methylene Chloride
Concen: 19.265 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 84 Resp: 46665

Ion	Ratio	Lower	Upper
84	100		
49	128.0	102.0	153.0
51	37.9	33.0	49.6
86	63.5	50.5	75.7

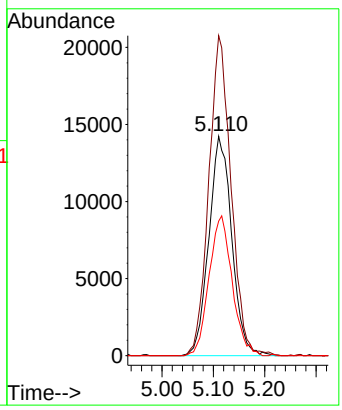




#21
trans-1,2-Dichloroethene
Concen: 19.126 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 96 Resp: 4404

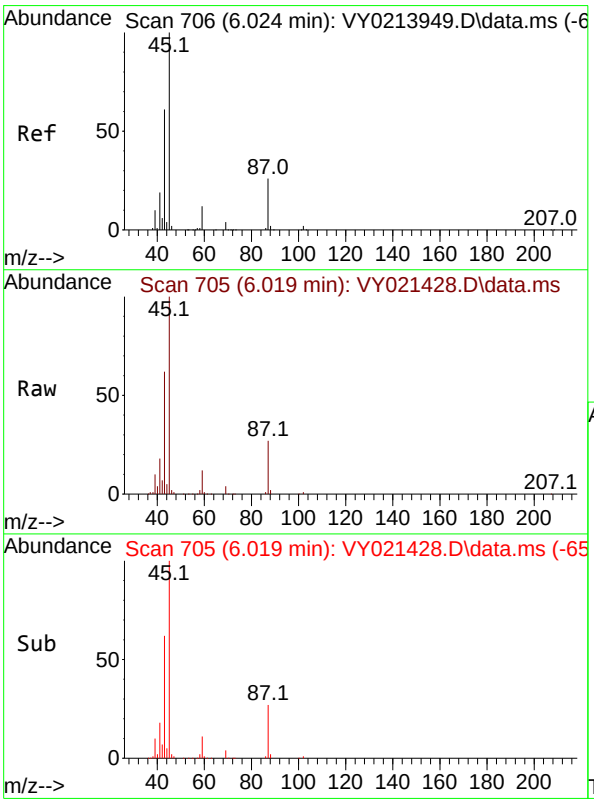
Ion	Ratio	Lower	Upper
96	100		
61	145.9	111.5	167.3
98	61.4	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

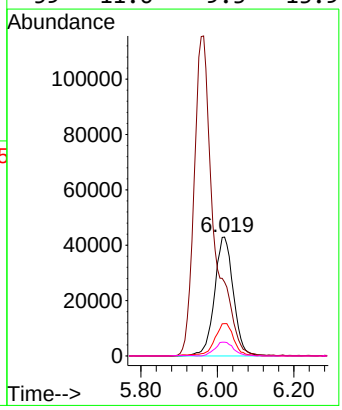
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

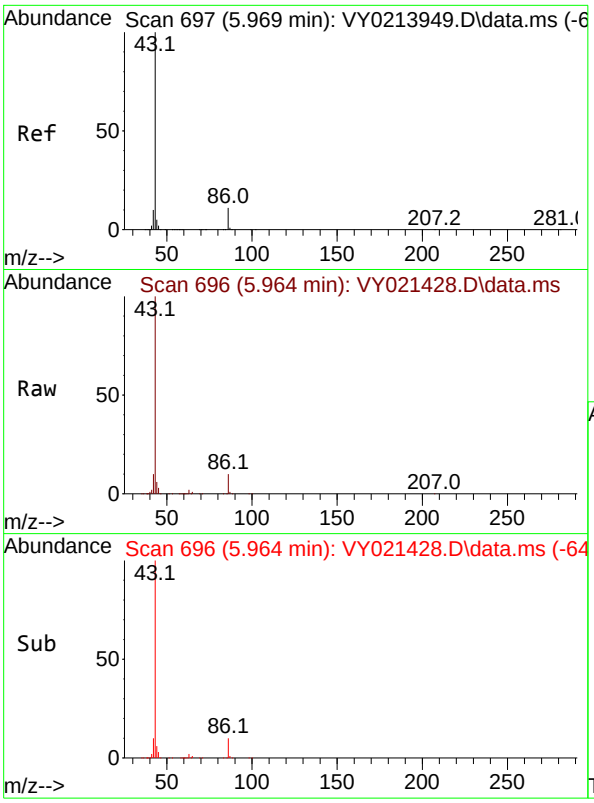


#22
Diisopropyl ether
Concen: 20.501 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 45 Resp: 146814

Ion	Ratio	Lower	Upper
45	100		
43	61.7	48.7	73.1
87	27.2	21.5	32.3
59	11.6	9.3	13.9





#23
Vinyl Acetate
Concen: 101.317 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

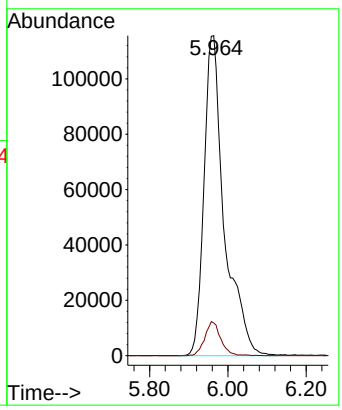
Tgt Ion: 43 Resp: 41407

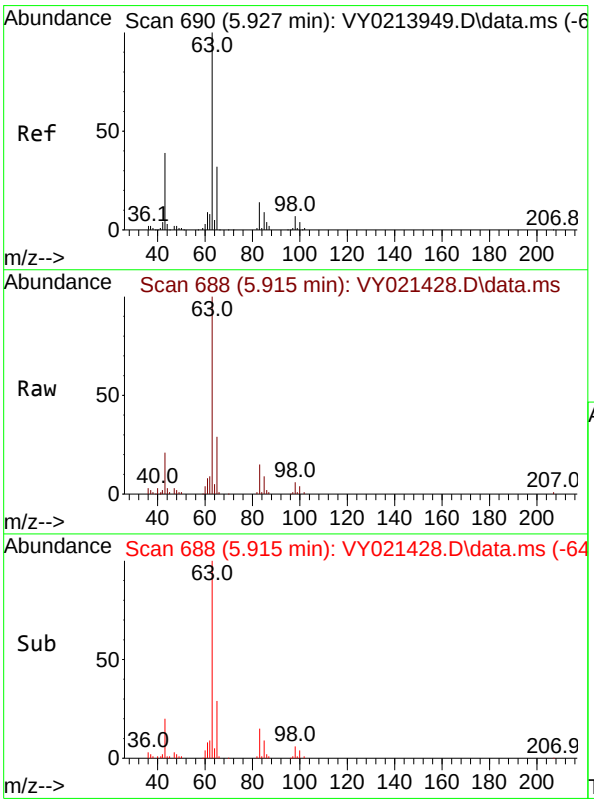
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

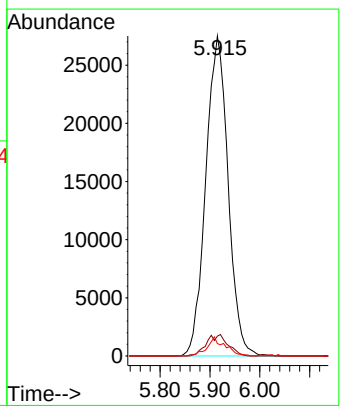


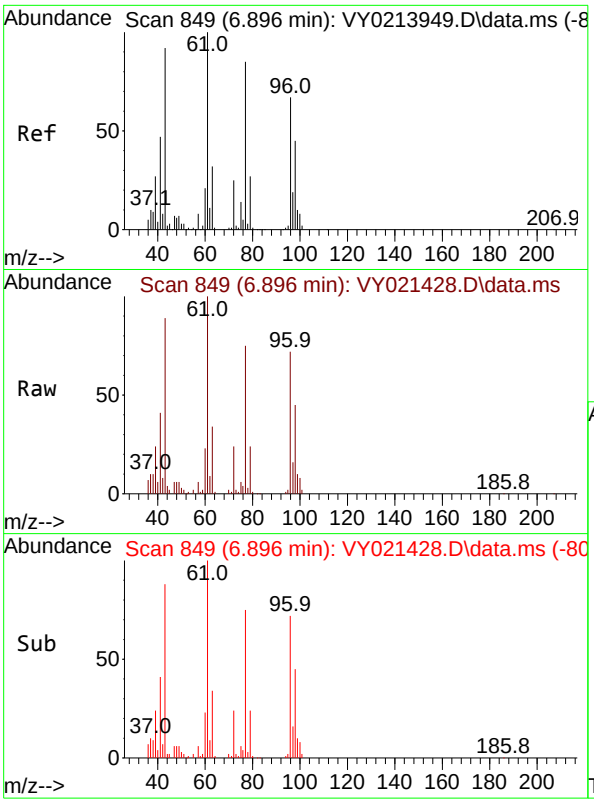


#24
1,1-Dichloroethane
Concen: 20.243 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.012 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 63 Resp: 85556

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.3	9.9
100	3.8	2.1	6.5





#25
2-Butanone
Concen: 93.477 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

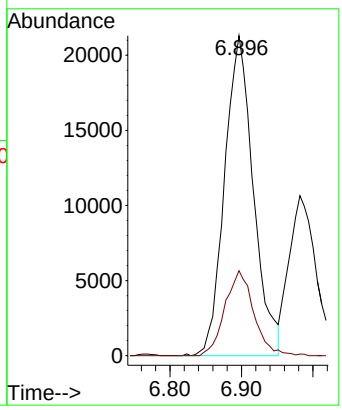
Tgt Ion: 43 Resp: 5966

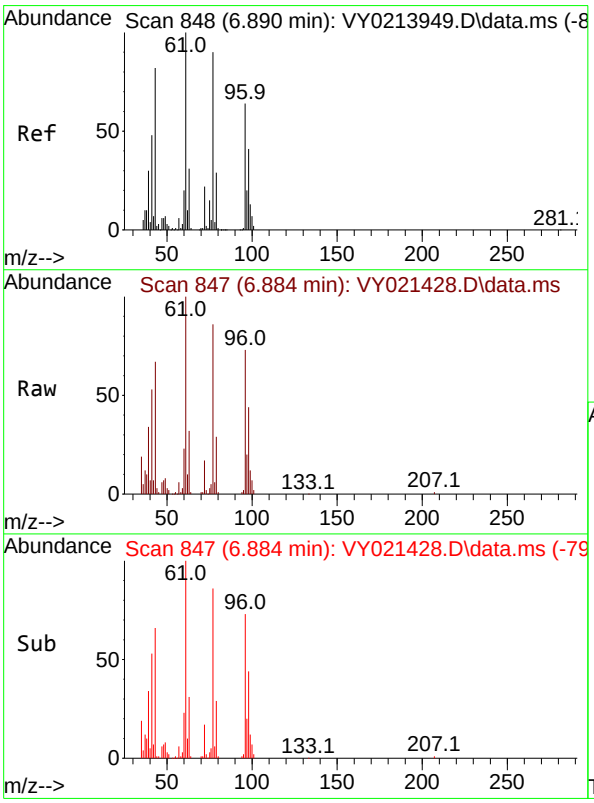
Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

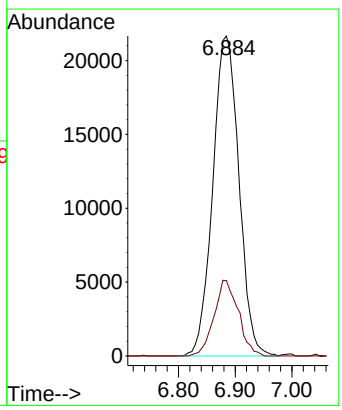


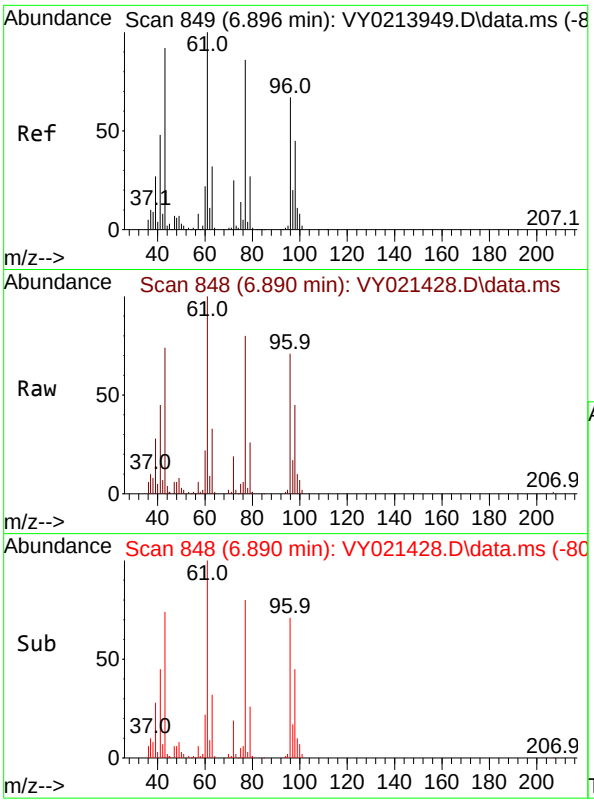


#26
2,2-Dichloropropane
Concen: 17.840 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 77 Resp: 69379

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 19.661 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

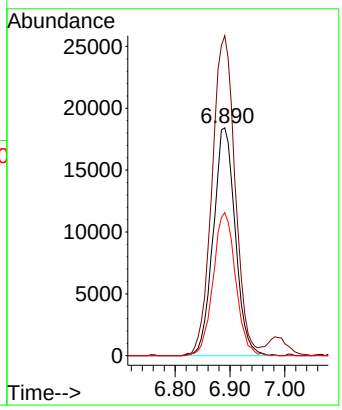
Tgt Ion: 96 Resp: 5143

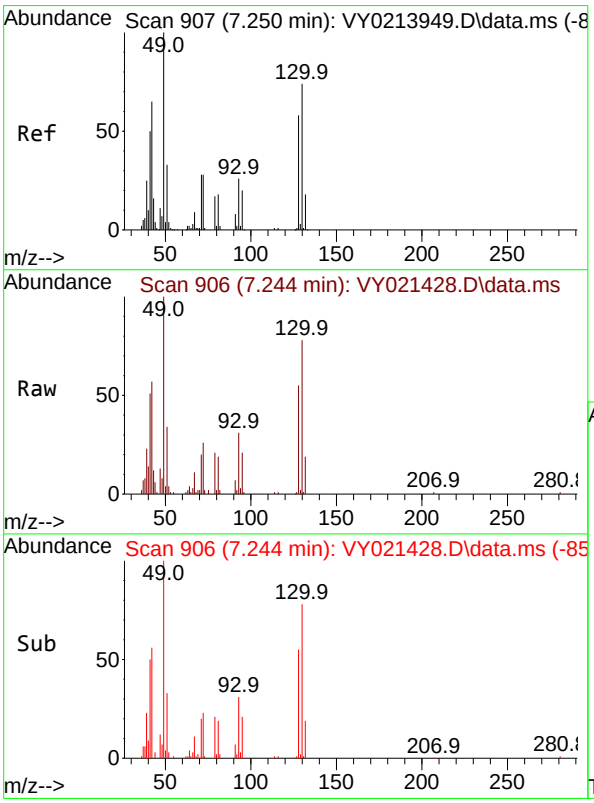
Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	300.8
98	64.0	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

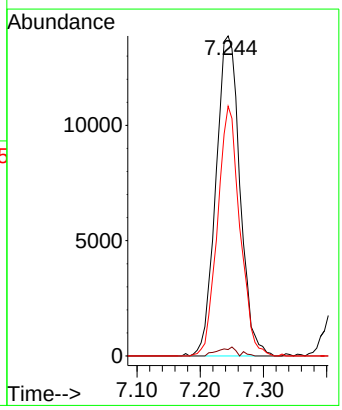


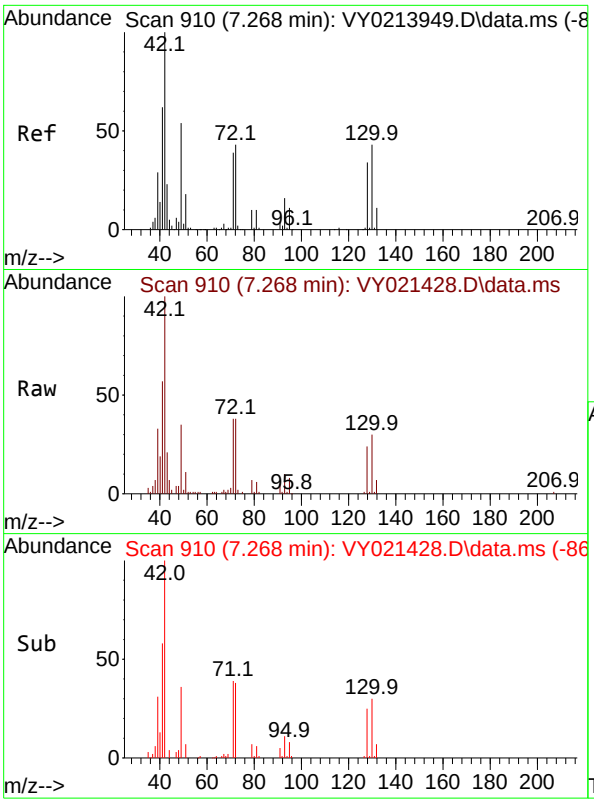


#28
Bromochloromethane
Concen: 20.697 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 49 Resp: 36673

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	72.4	59.6	89.4

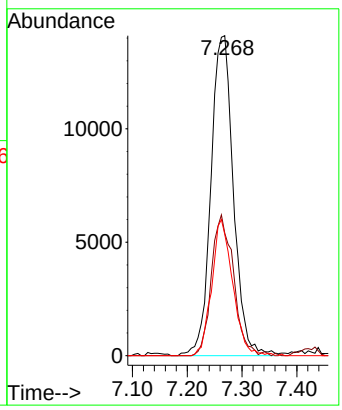




#29
Tetrahydrofuran
Concen: 102.187 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 42 Resp: 4026

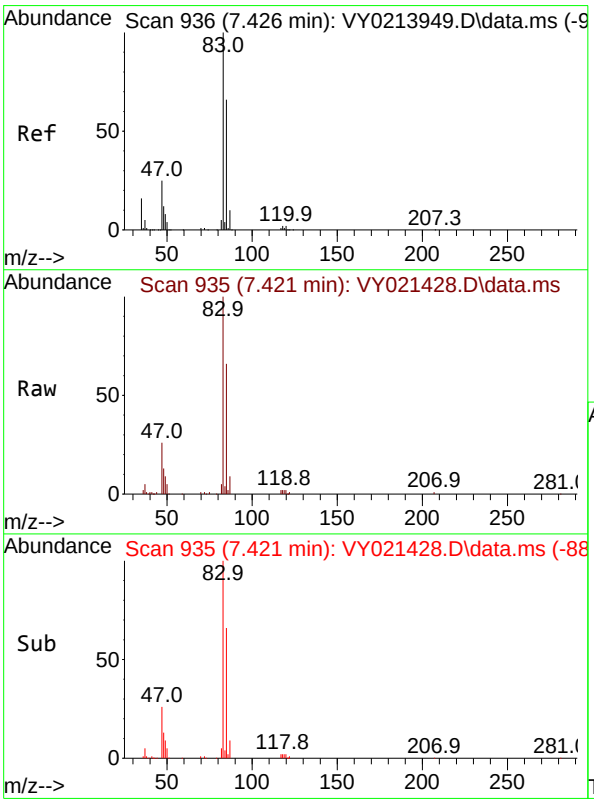
Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.8	52.2
71	39.7	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

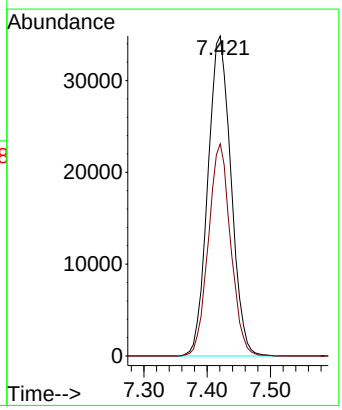
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

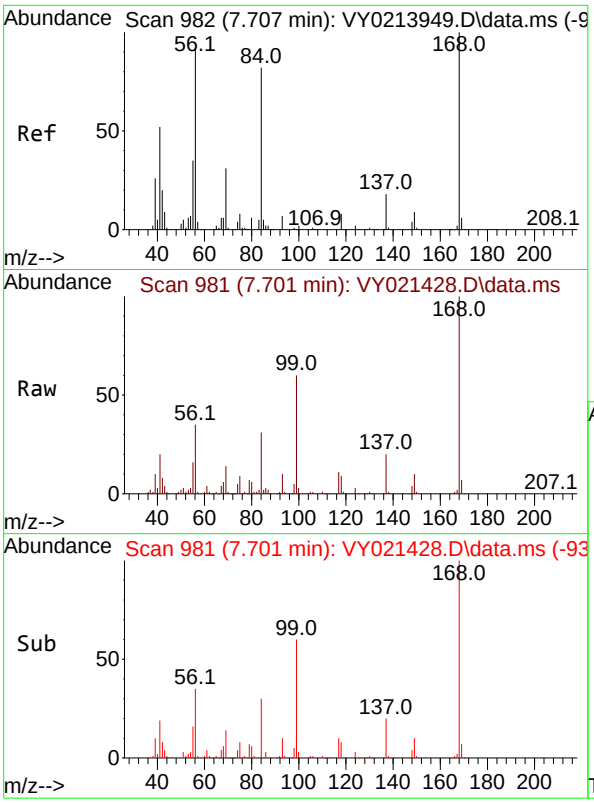


#30
Chloroform
Concen: 20.126 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 83 Resp: 88331

Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.1	79.7





#31
Cyclohexane
Concen: 18.459 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

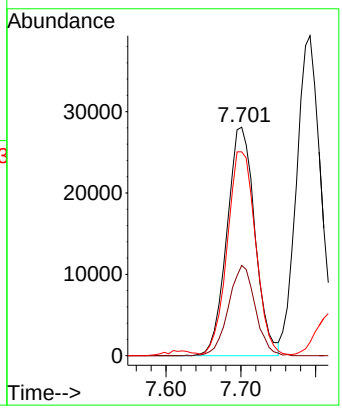
Tgt Ion: 56 Resp: 7314

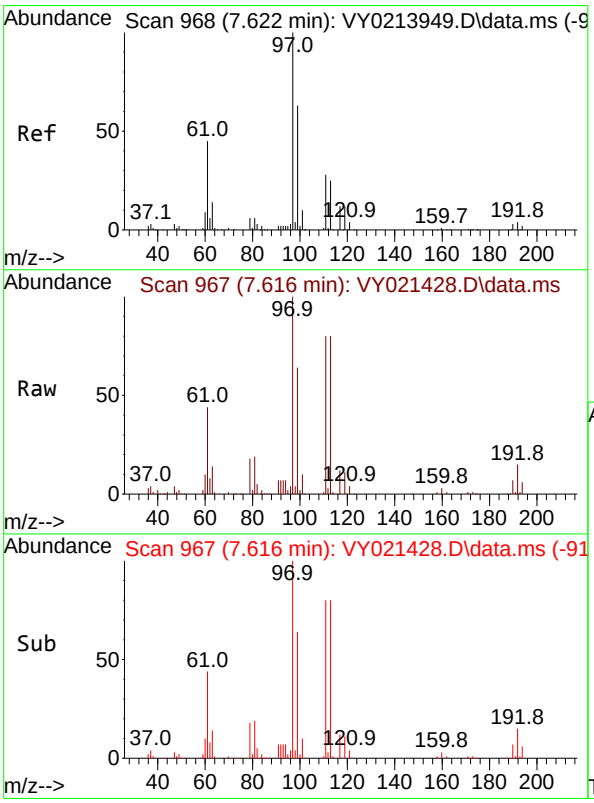
Ion	Ratio	Lower	Upper
56	100		
69	39.5	27.0	40.4
84	87.4	71.1	106.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

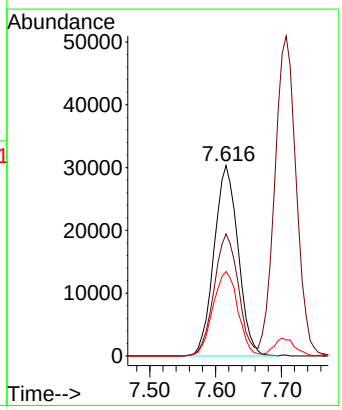


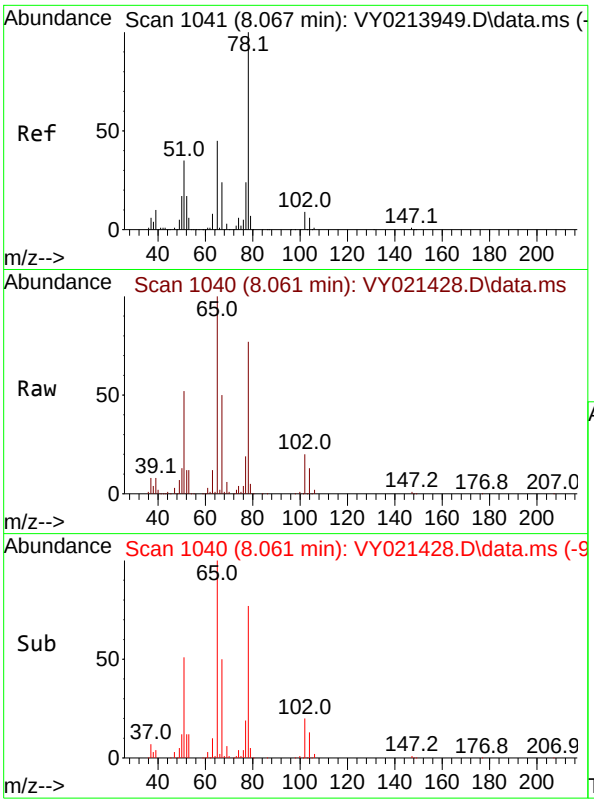


#32
1,1,1-Trichloroethane
Concen: 19.246 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 97 Resp: 77342

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.7	77.5
61	46.1	35.7	53.5

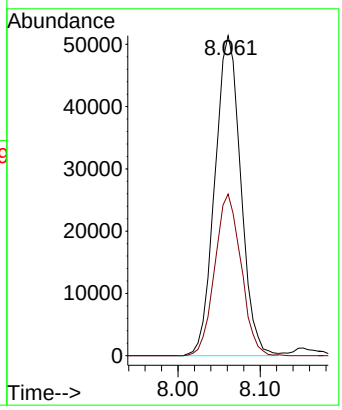




#33
1,2-Dichloroethane-d4
Concen: 53.226 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 65 Resp: 11261

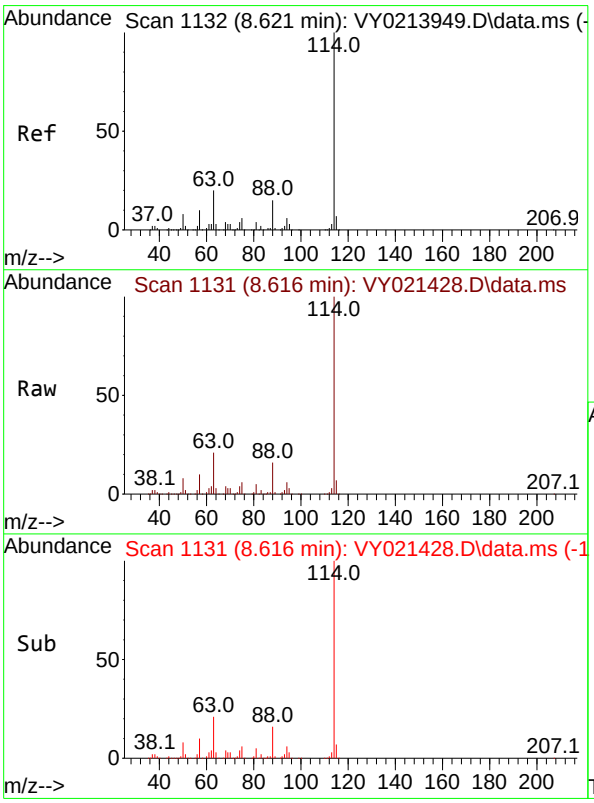
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

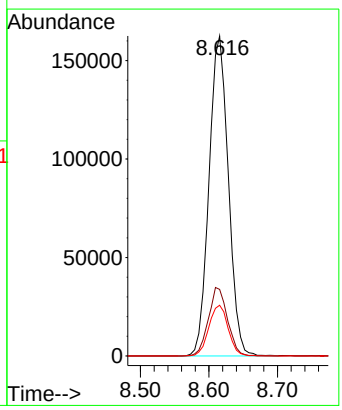
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

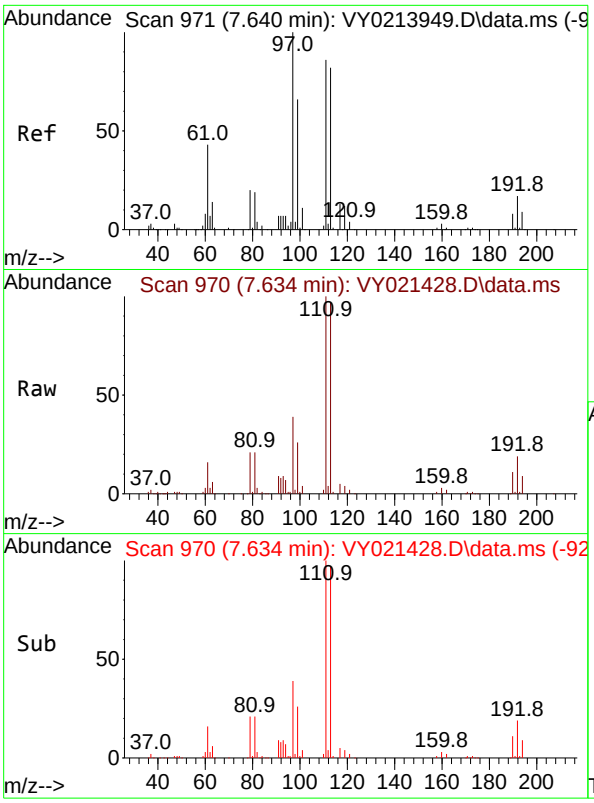


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:114 Resp: 318431

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.9	0.0	30.8

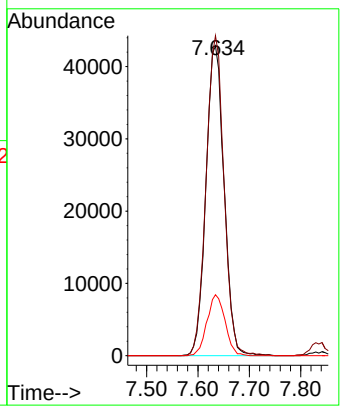




#35
Dibromofluoromethane
Concen: 50.146 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:113 Resp: 10496

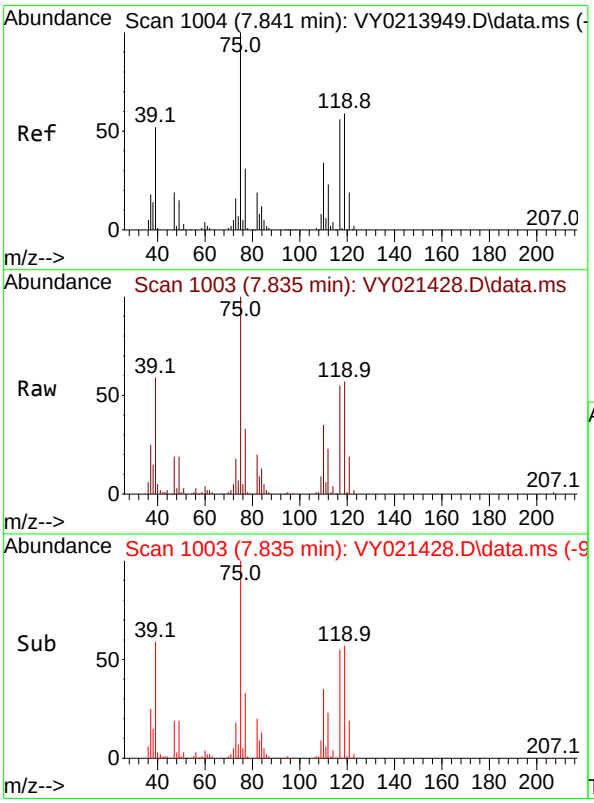
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.0	123.0
192	19.6	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

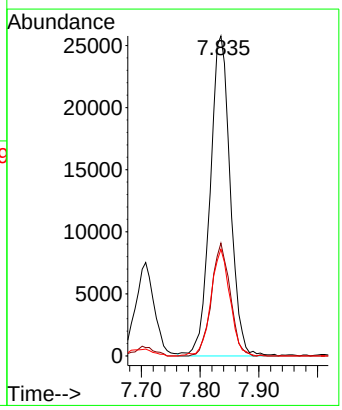
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

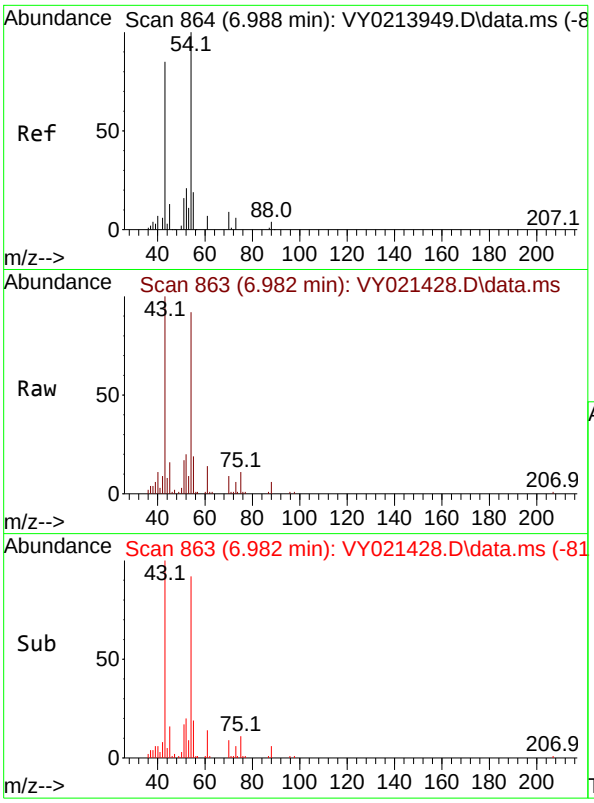


#36
1,1-Dichloropropene
Concen: 18.637 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 75 Resp: 61060

Ion	Ratio	Lower	Upper
75	100		
110	32.9	17.3	51.7
77	31.8	25.4	38.2





#37
Ethyl Acetate
Concen: 19.633 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

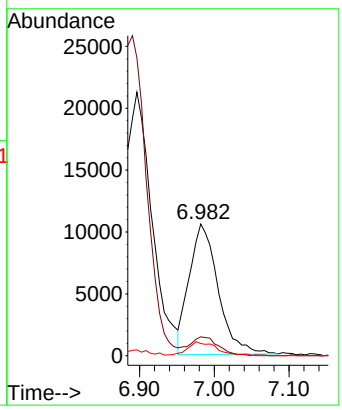
Tgt Ion: 43 Resp: 2843

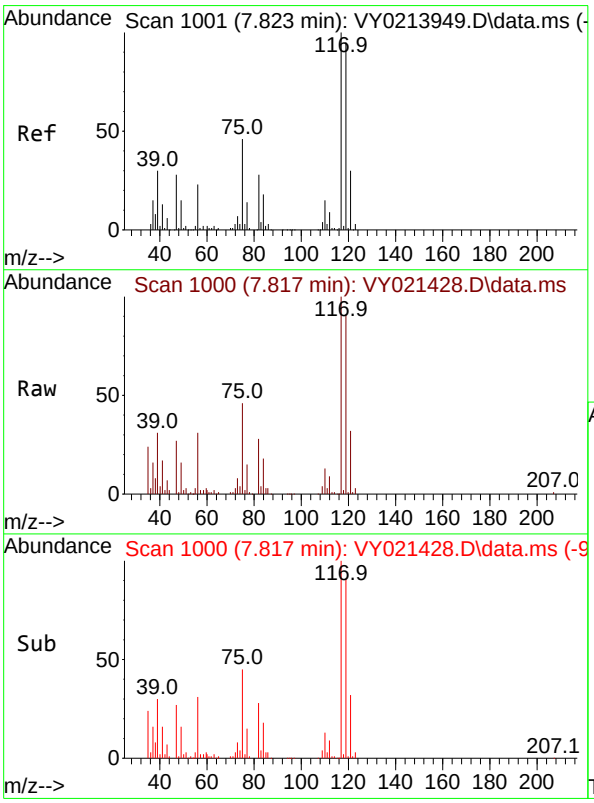
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.4	17.0
70	10.6	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

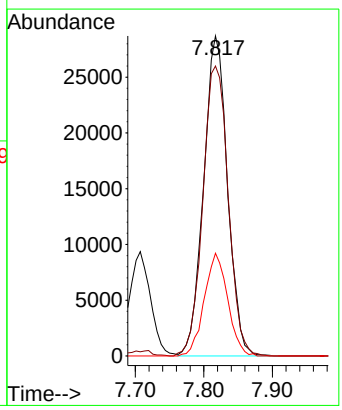


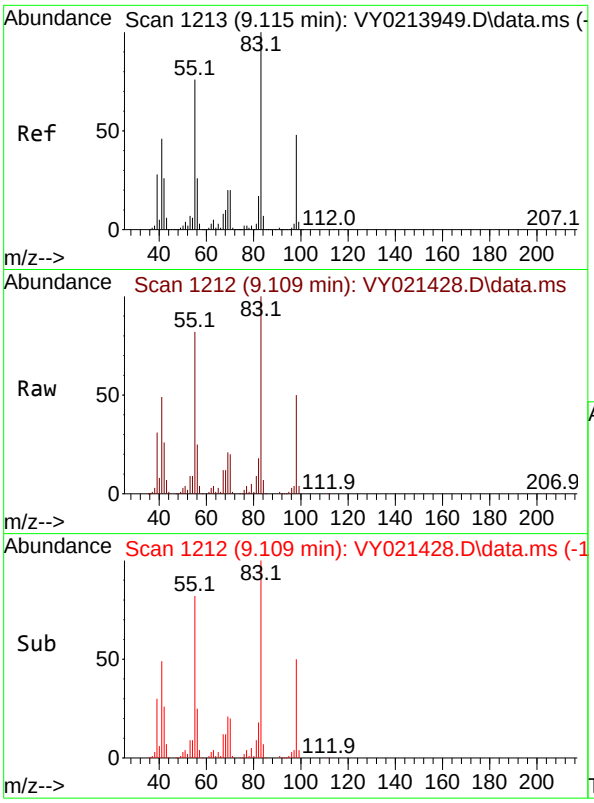


#38
Carbon Tetrachloride
Concen: 18.481 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:117 Resp: 69637

Ion	Ratio	Lower	Upper
117	100		
119	90.6	75.8	113.8
121	32.1	23.9	35.9





#39
Methylcyclohexane
Concen: 17.731 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

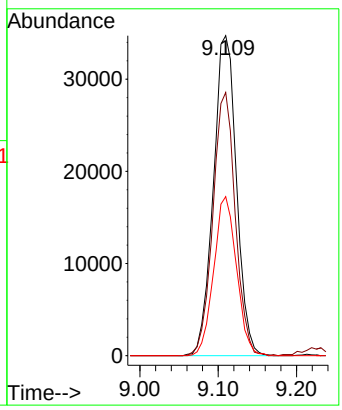
Tgt Ion: 83 Resp: 7125

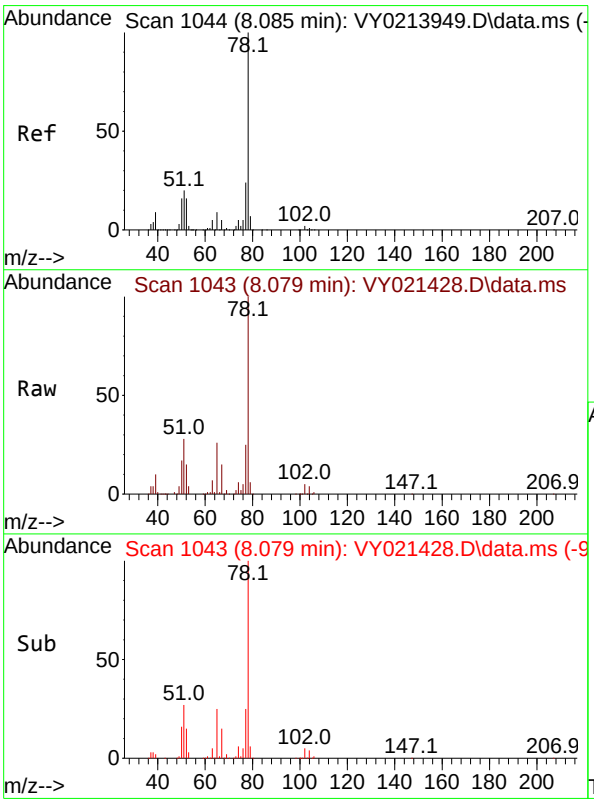
Ion	Ratio	Lower	Upper
83	100		
55	82.3	60.7	91.1
98	49.7	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

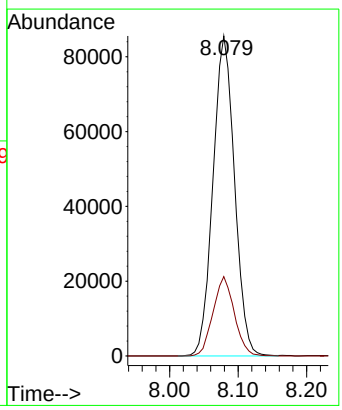


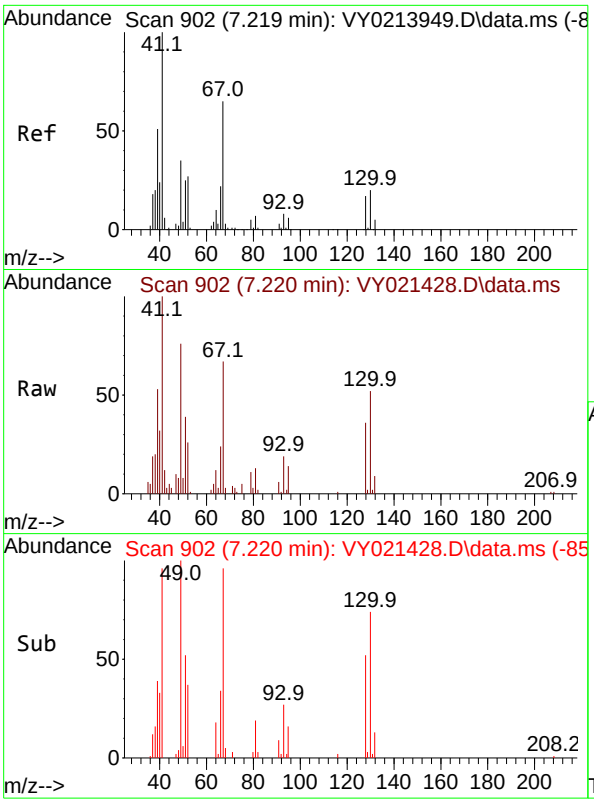


#40
Benzene
Concen: 19.359 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 78 Resp: 186841

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.4

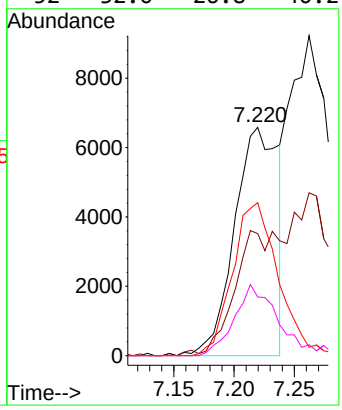




#41
Methacrylonitrile
Concen: 21.058 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 41 Resp: 1660

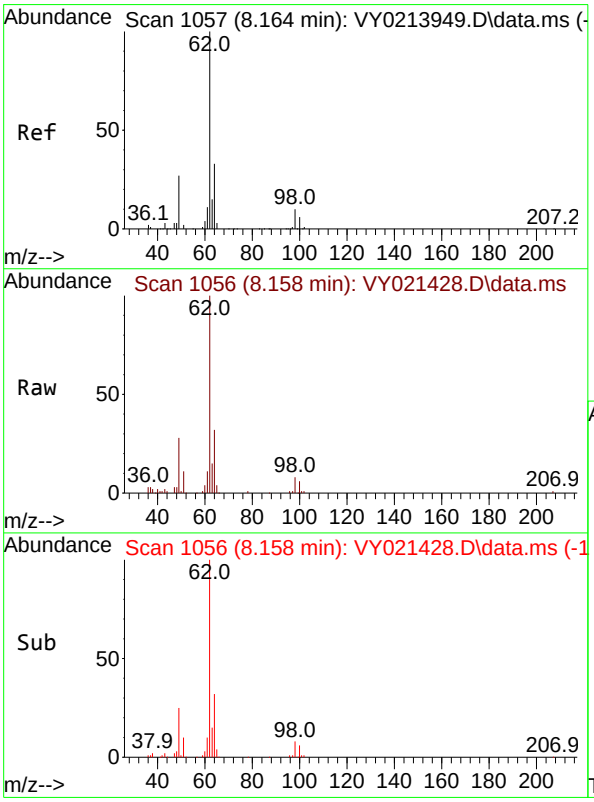
Ion	Ratio	Lower	Upper
41	100		
39	39.8	35.0	52.6
67	70.5	61.2	91.8
52	32.0	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

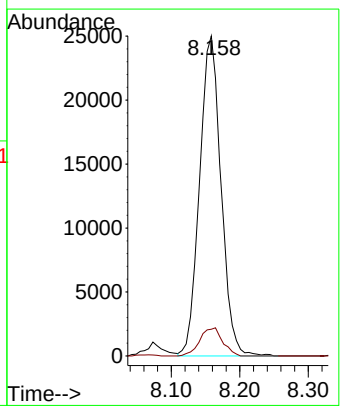
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

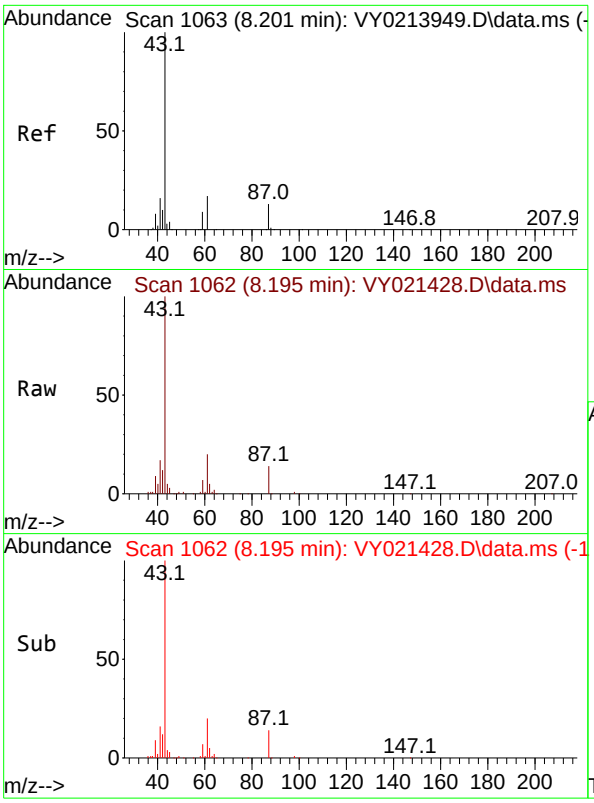


#42
1,2-Dichloroethane
Concen: 20.169 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 62 Resp: 54457

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43
Isopropyl Acetate
Concen: 19.857 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

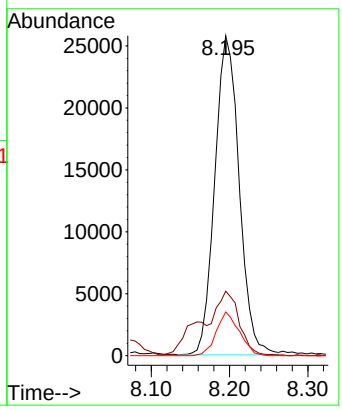
Tgt Ion: 43 Resp: 5582

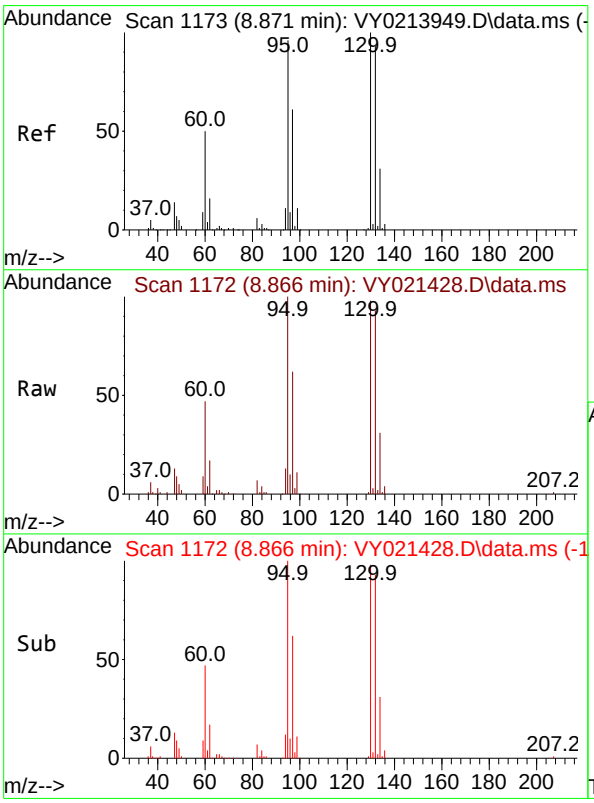
Ion	Ratio	Lower	Upper
43	100		
61	20.2	23.4	35.0#
87	12.9	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

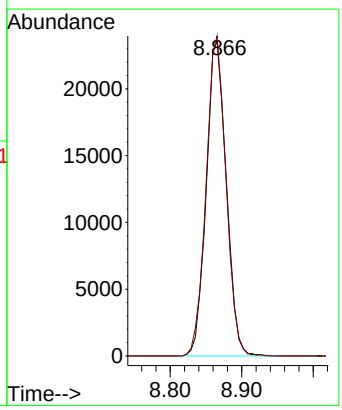


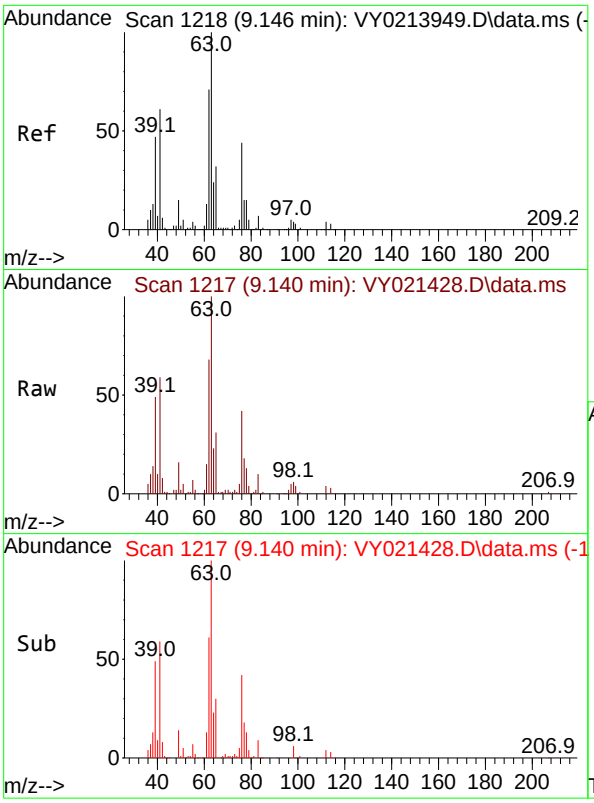


#44
Trichloroethene
Concen: 18.765 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:130 Resp: 45767

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	191.6





#45
1,2-Dichloropropane
Concen: 20.246 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

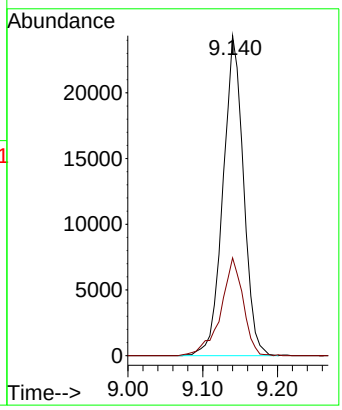
Tgt Ion: 63 Resp: 4650

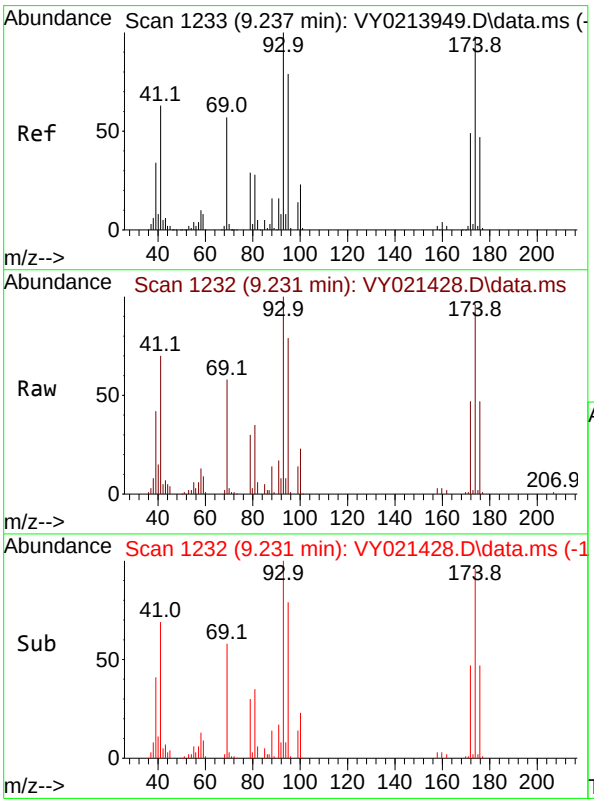
Ion	Ratio	Lower	Upper
63	100		
65	30.5	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

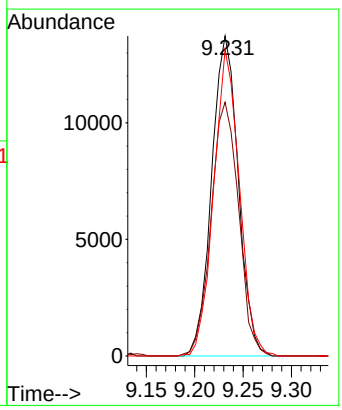


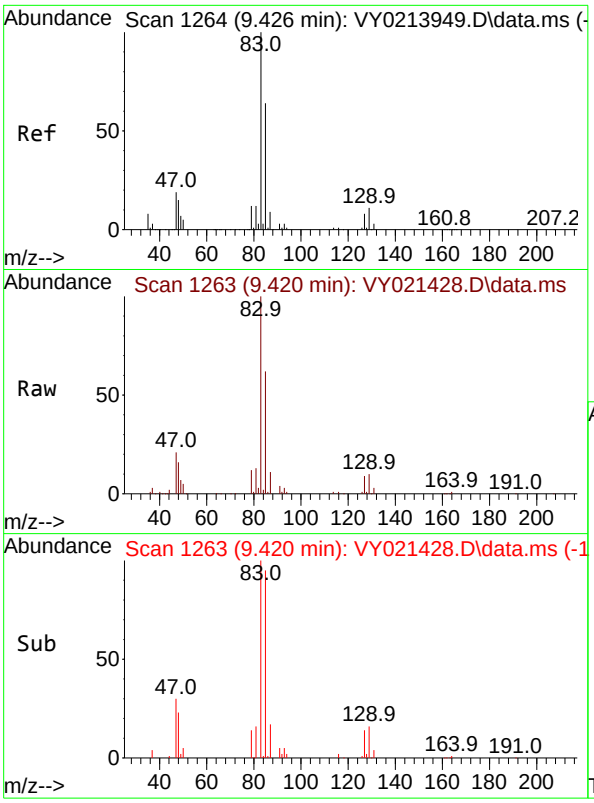


#46
Dibromomethane
Concen: 20.474 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 93 Resp: 26168

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.8	98.8
174	92.6	77.9	116.9

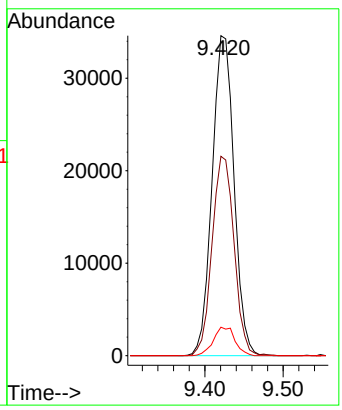




#47
Bromodichloromethane
Concen: 19.796 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 83 Resp: 6719

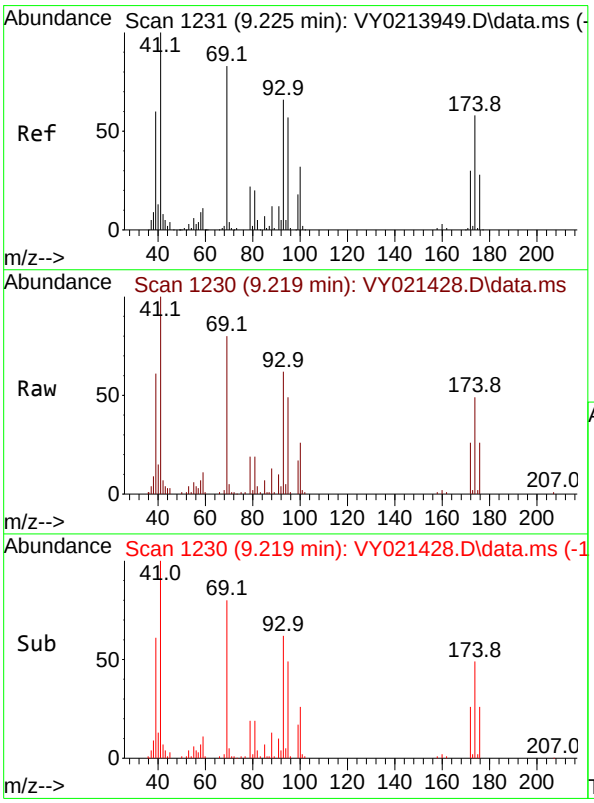
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.1	76.7
127	8.9	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

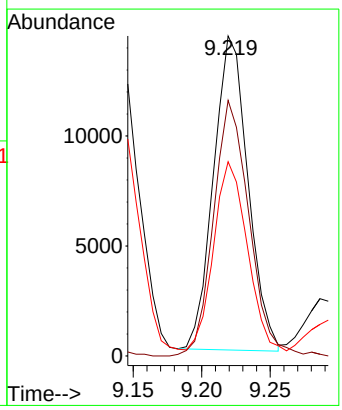
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

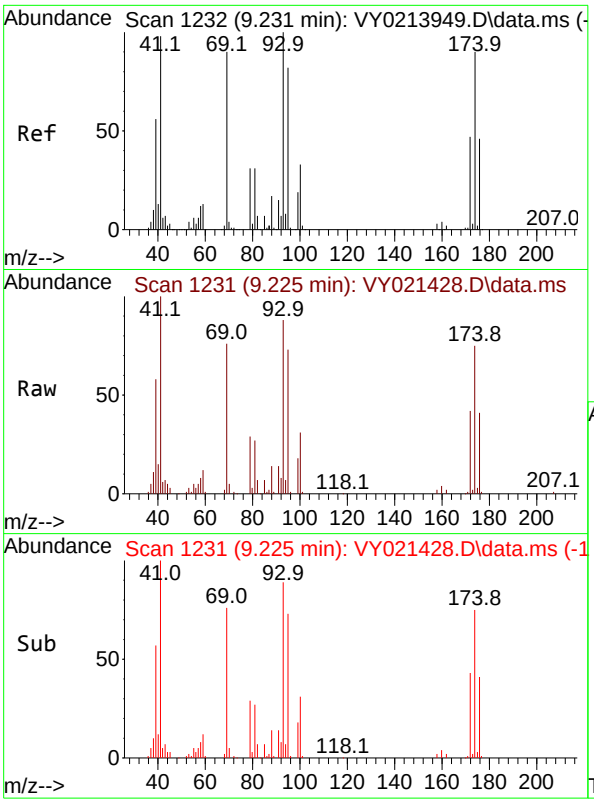


#48
Methyl methacrylate
Concen: 19.347 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 41 Resp: 24974

Ion	Ratio	Lower	Upper
41	100		
69	84.2	67.8	101.8
39	59.0	46.4	69.6





#49
1,4-Dioxane
Concen: 438.744 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

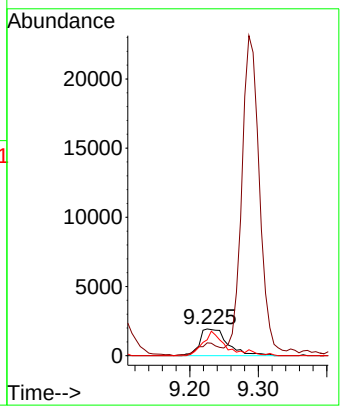
Tgt Ion: 88 Resp: 550

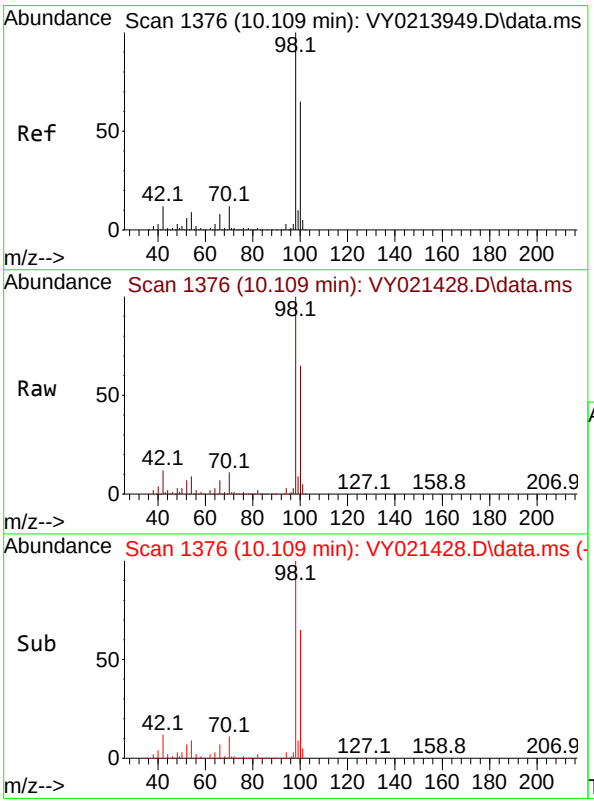
Ion	Ratio	Lower	Upper
88	100		
43	38.1	25.0	37.4
58	67.2	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

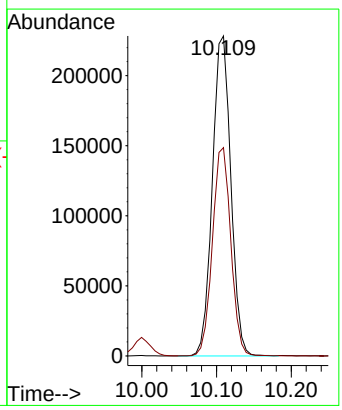


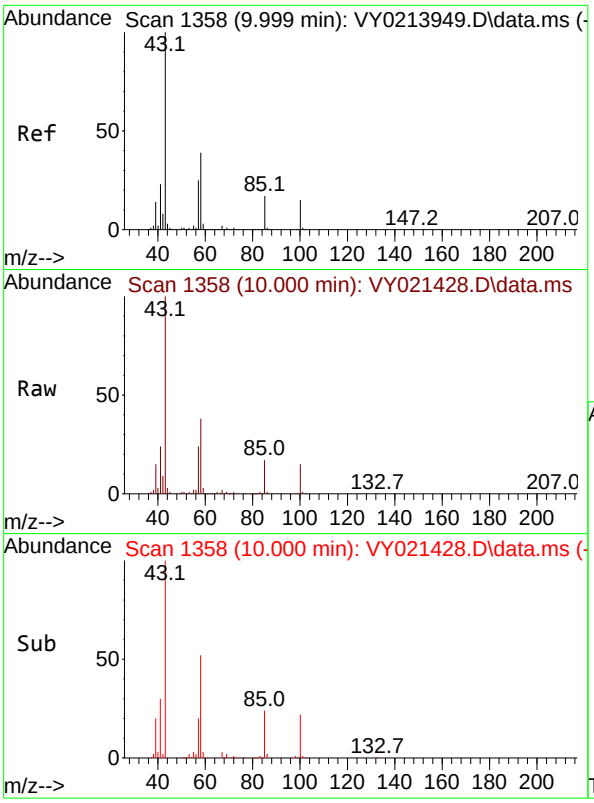


#50
Toluene-d8
Concen: 49.519 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 98 Resp: 392444

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

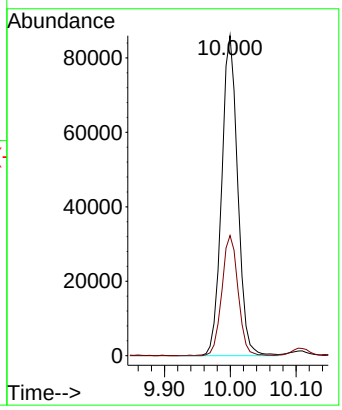




#51
4-Methyl-2-Pentanone
Concen: 100.753 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 43 Resp: 14613

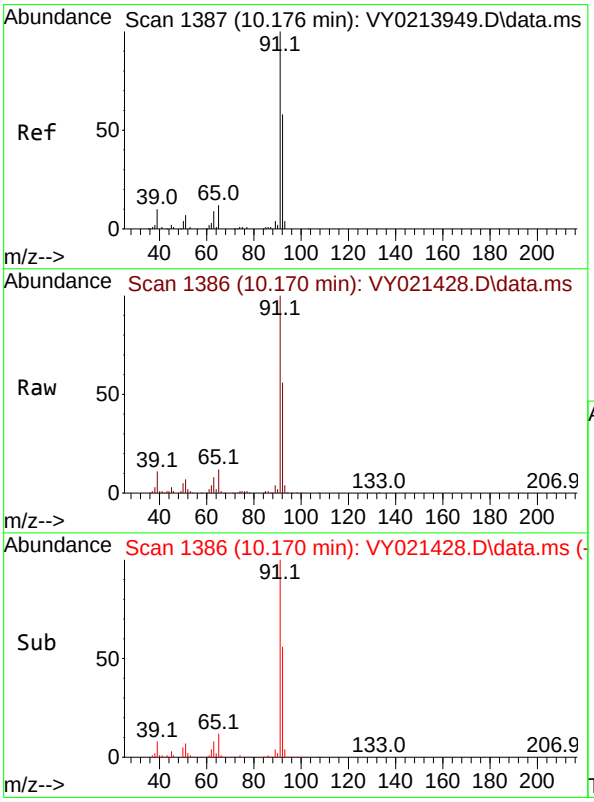
Ion	Ratio	Lower	Upper
43	100		
58	37.9	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

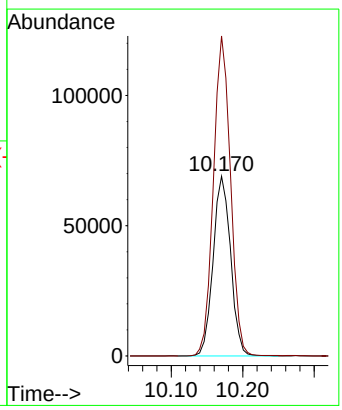
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

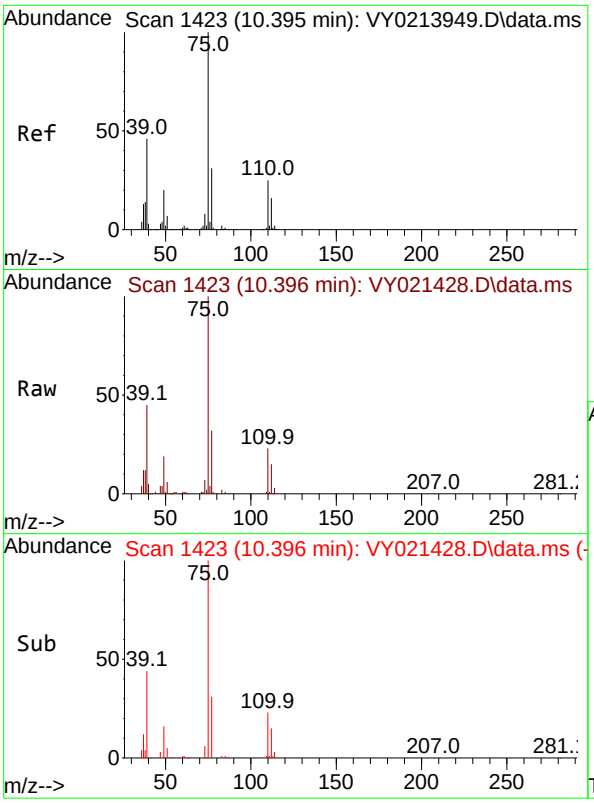


#52
Toluene
Concen: 19.233 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 92 Resp: 117027

Ion	Ratio	Lower	Upper
92	100		
91	174.3	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 19.631 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

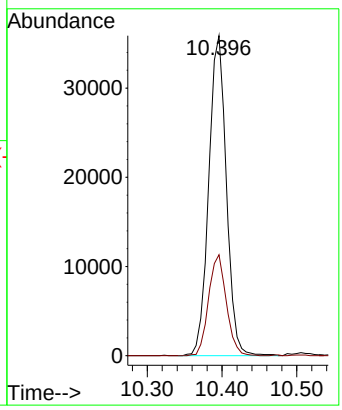
Tgt Ion: 75 Resp: 5870

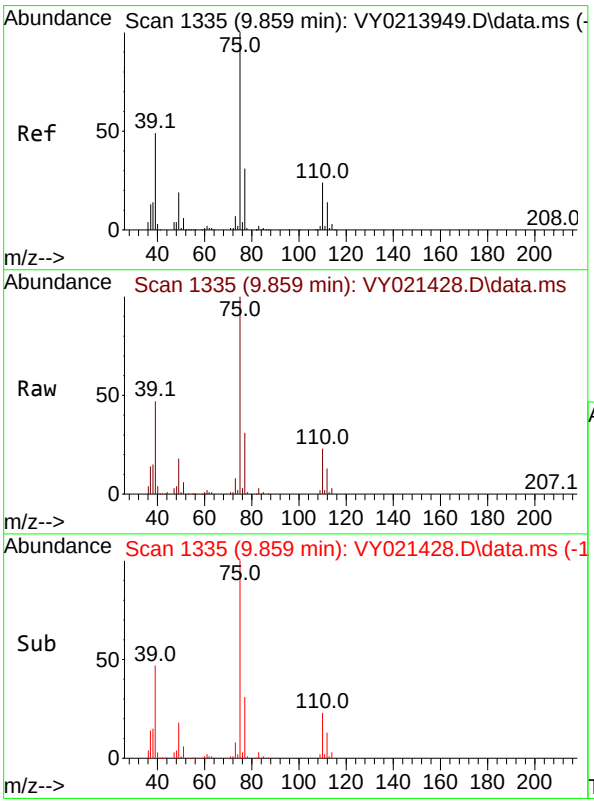
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

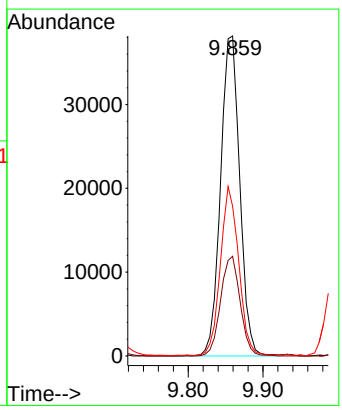


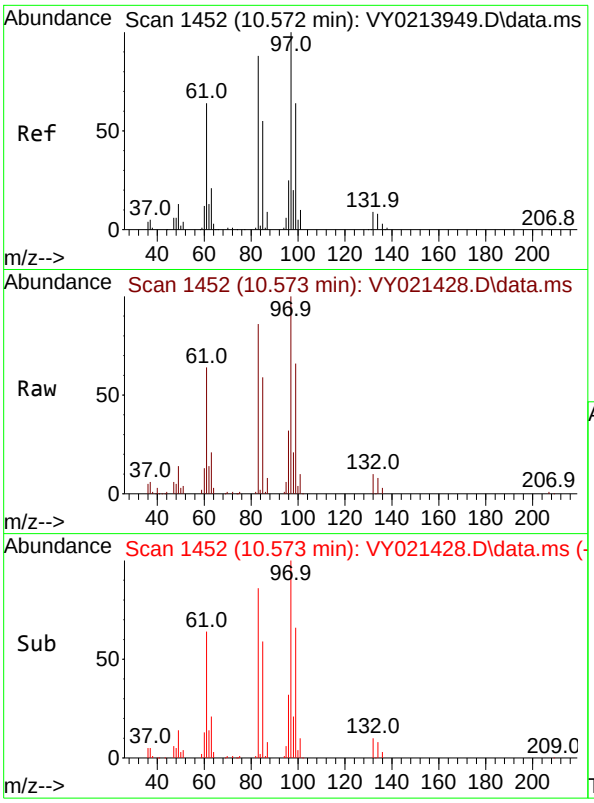


#54
cis-1,3-Dichloropropene
Concen: 19.219 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 75 Resp: 68234

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	37.0
39	46.6	39.4	59.2

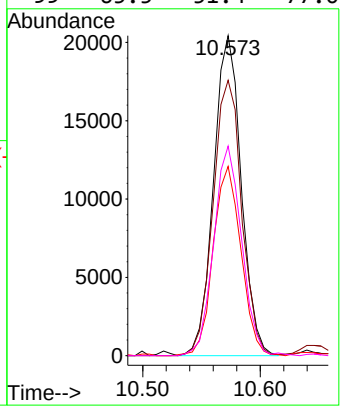




#55
1,1,2-Trichloroethane
Concen: 20.016 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 97 Resp: 3346

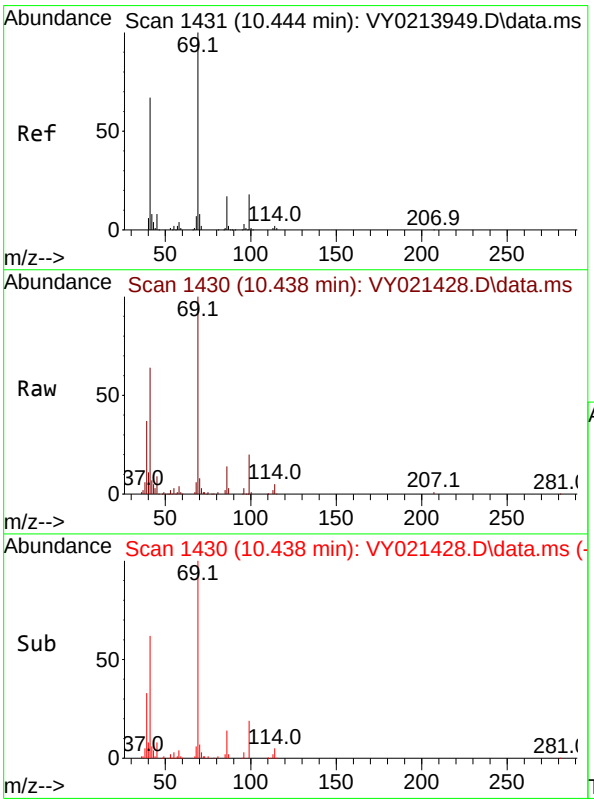
Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.0	105.0
85	58.8	44.3	66.5
99	65.5	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

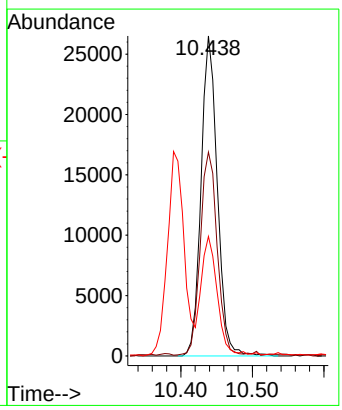
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

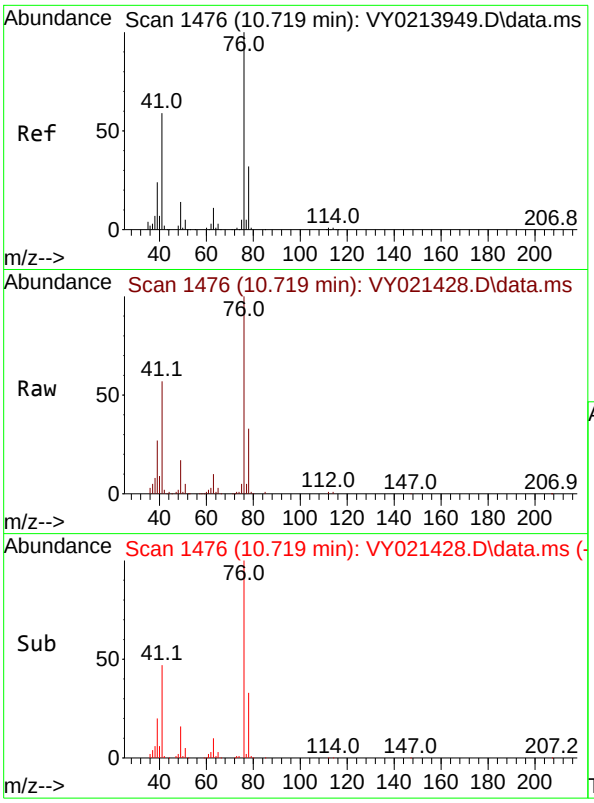


#56
Ethyl methacrylate
Concen: 19.651 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 69 Resp: 41900

Ion	Ratio	Lower	Upper
69	100		
41	65.8	53.3	79.9
39	35.3	31.0	46.6





#57
1,3-Dichloropropane
Concen: 20.324 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

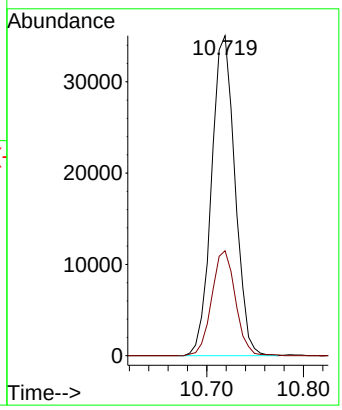
Tgt Ion: 76 Resp: 5889

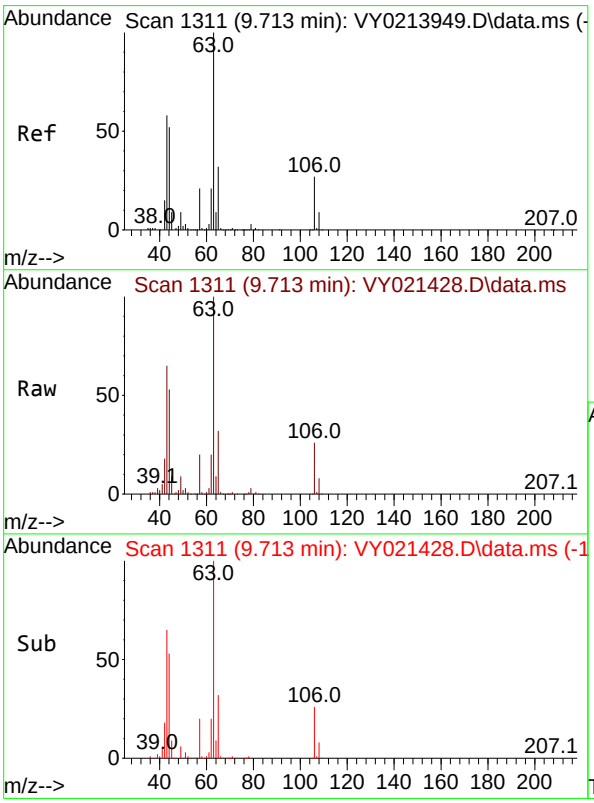
Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

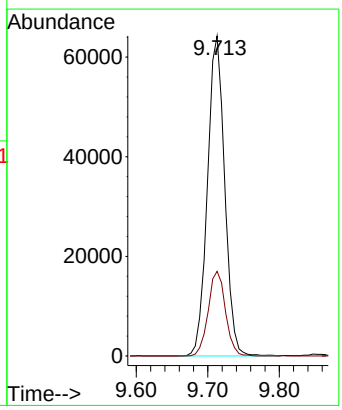


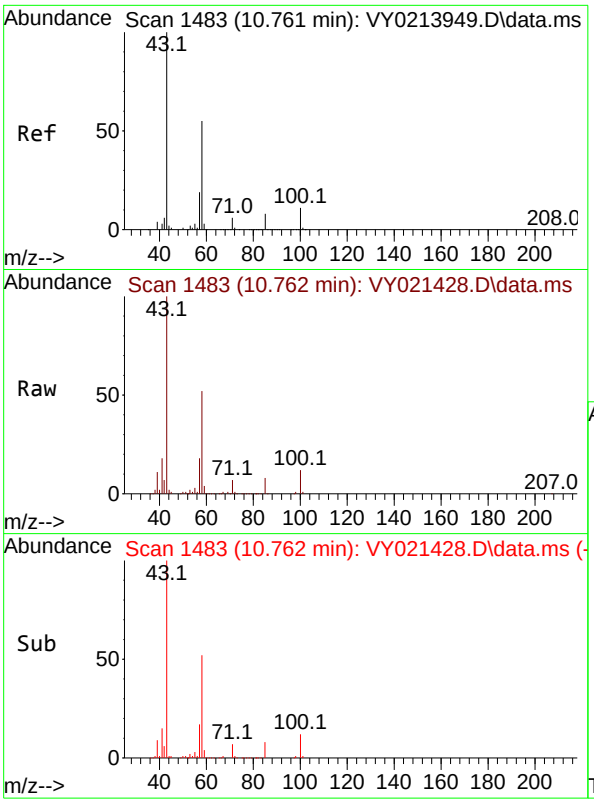


#58
2-Chloroethyl Vinyl ether
Concen: 109.136 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 63 Resp: 107422

Ion	Ratio	Lower	Upper
63	100		
106	26.6	22.1	33.1





#59
2-Hexanone
Concen: 98.075 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

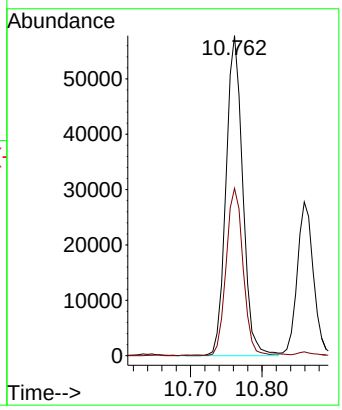
Tgt Ion: 43 Resp: 9406

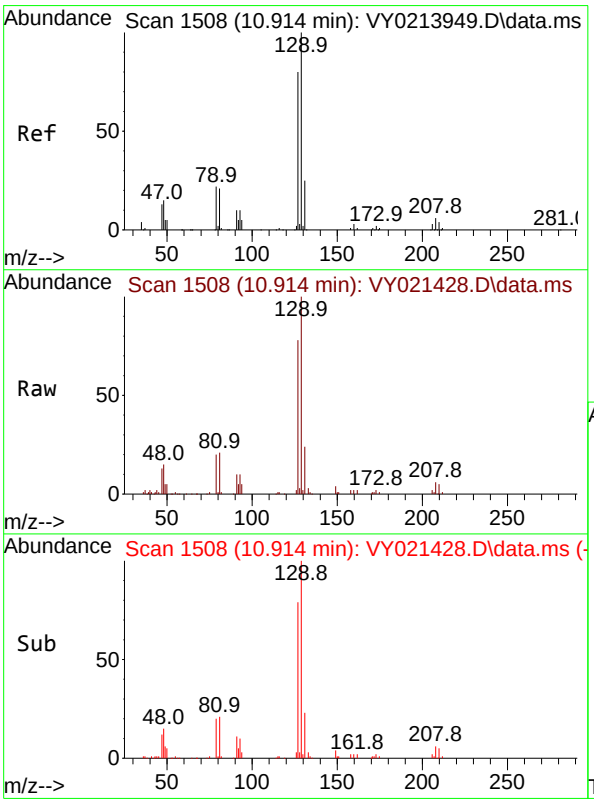
Ion	Ratio	Lower	Upper
43	100		
58	52.8	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

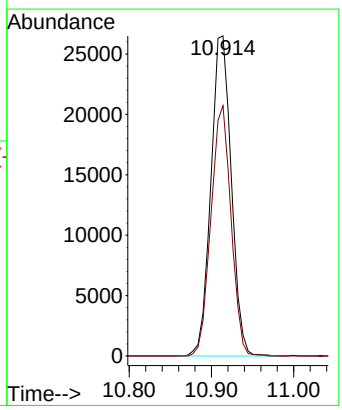


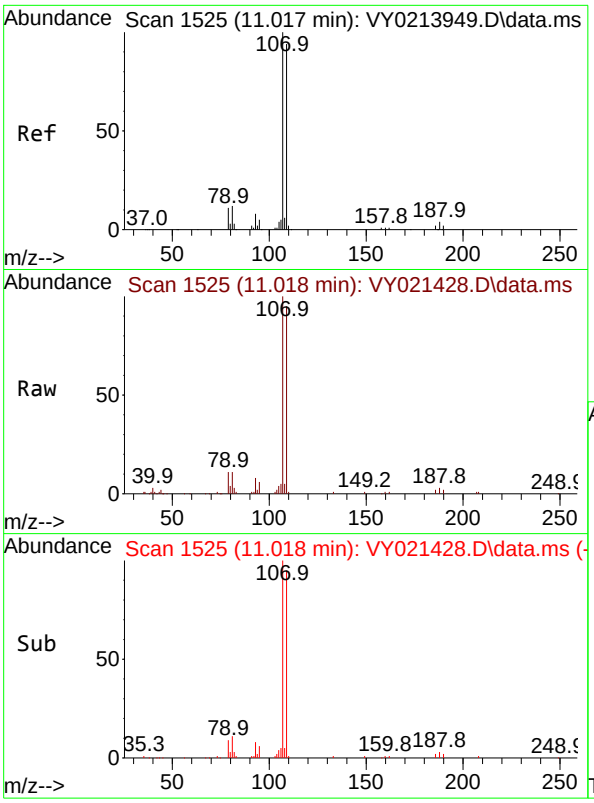


#60
Dibromochloromethane
Concen: 19.959 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:129 Resp: 45747

Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.1	117.3





#61
1,2-Dibromoethane
Concen: 19.965 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

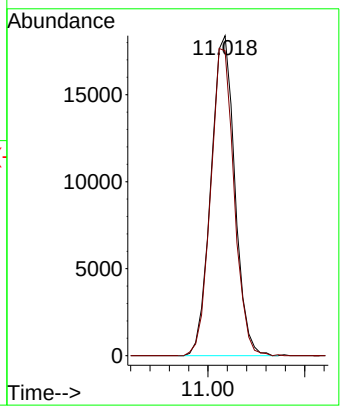
Tgt Ion:107 Resp: 3150

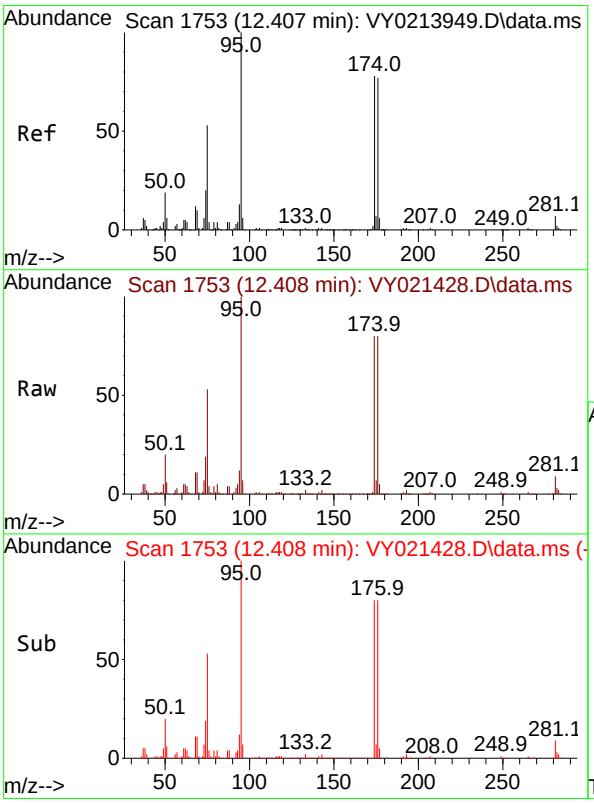
Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

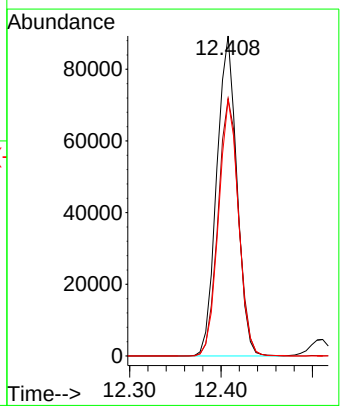


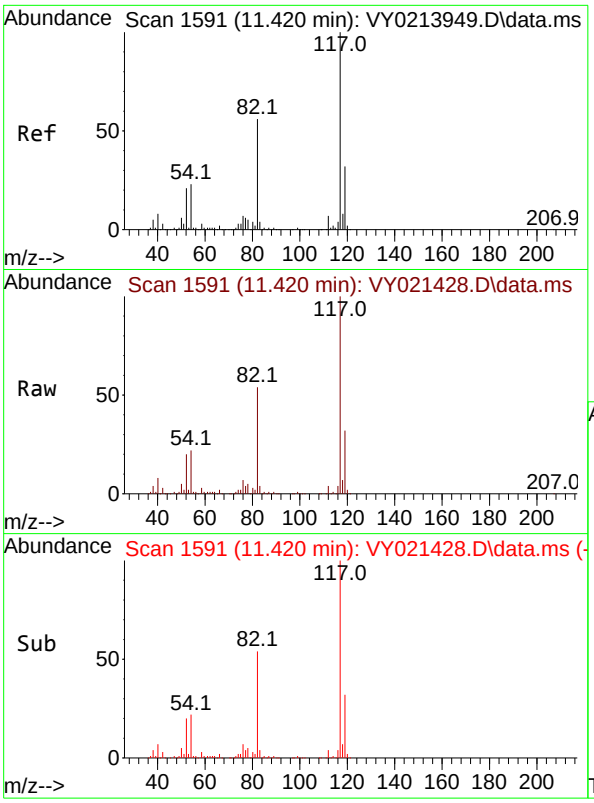


#62
4-Bromofluorobenzene
Concen: 50.814 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 95 Resp: 136984

Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	165.0
176	79.0	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

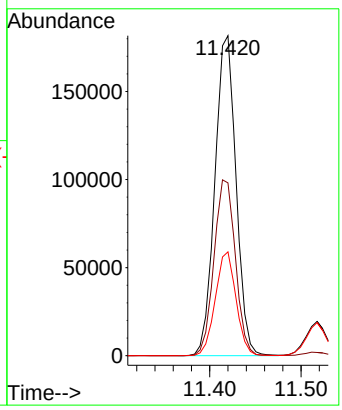
Tgt Ion:117 Resp: 29260

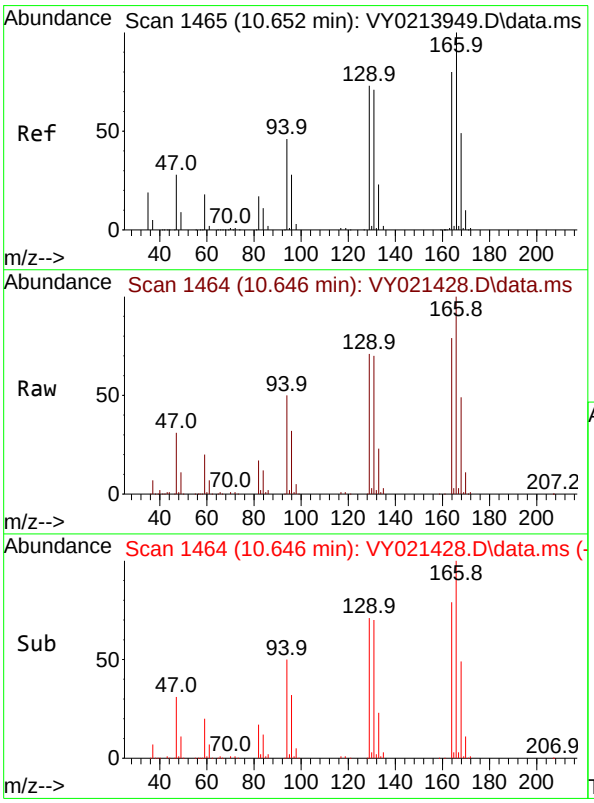
Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.6	67.0
119	32.4	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

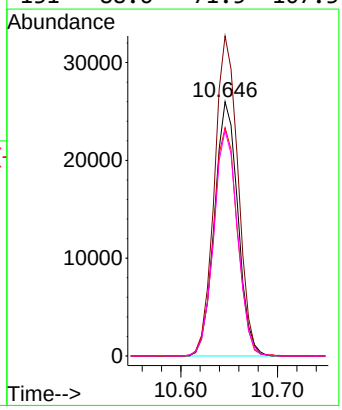


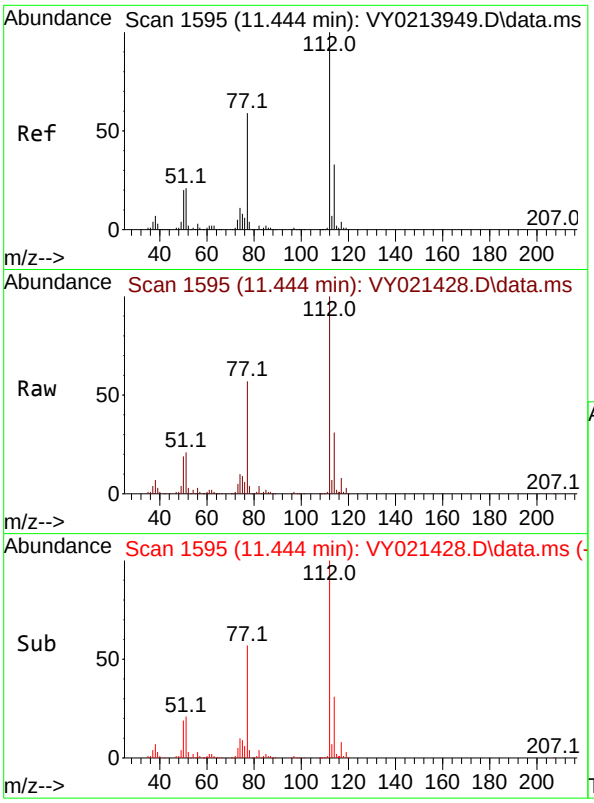


#64
Tetrachloroethene
Concen: 18.343 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:164 Resp: 43645

Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.4	150.6
129	89.8	73.8	110.8
131	88.6	71.5	107.3





#65
Chlorobenzene
Concen: 18.619 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

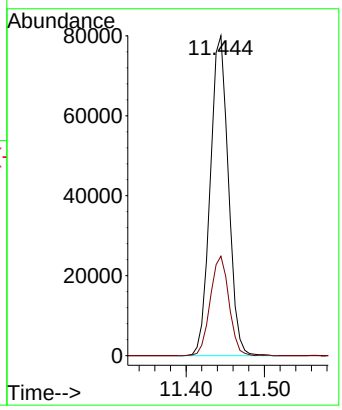
Tgt Ion:112 Resp: 12865

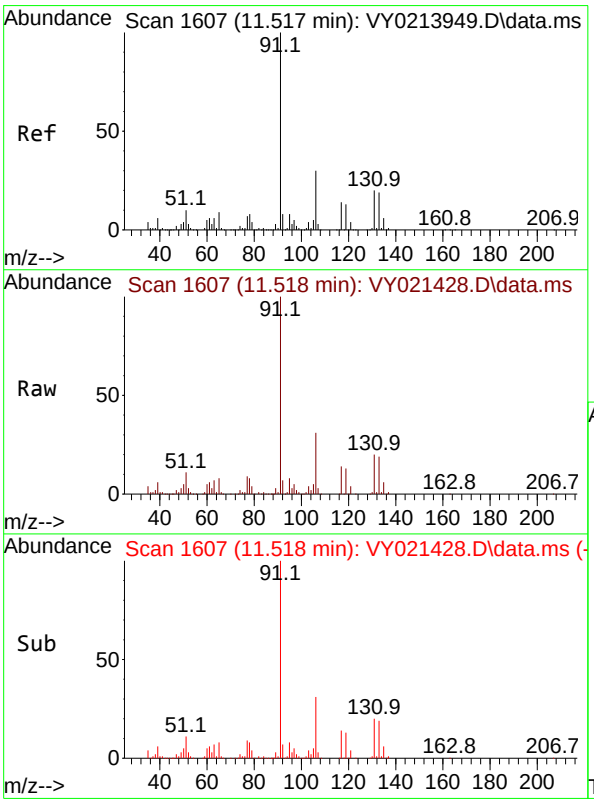
Ion	Ratio	Lower	Upper
112	100		
114	31.1	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

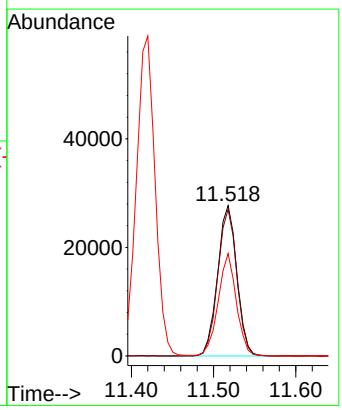


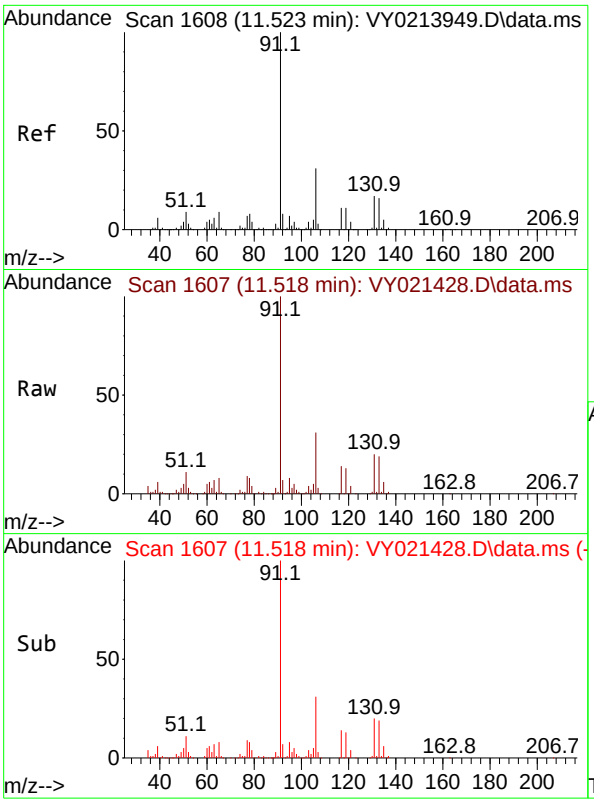


#66
1,1,1,2-Tetrachloroethane
Concen: 18.520 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:131 Resp: 45244

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.6	142.9
119	64.2	32.3	96.9





#67
Ethyl Benzene
Concen: 17.824 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

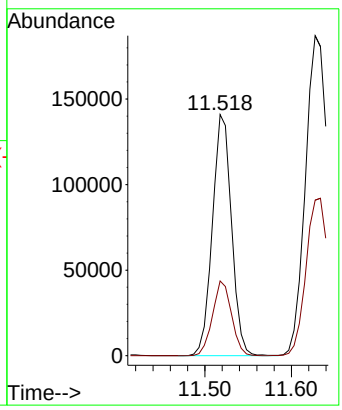
Tgt Ion: 91 Resp: 21617

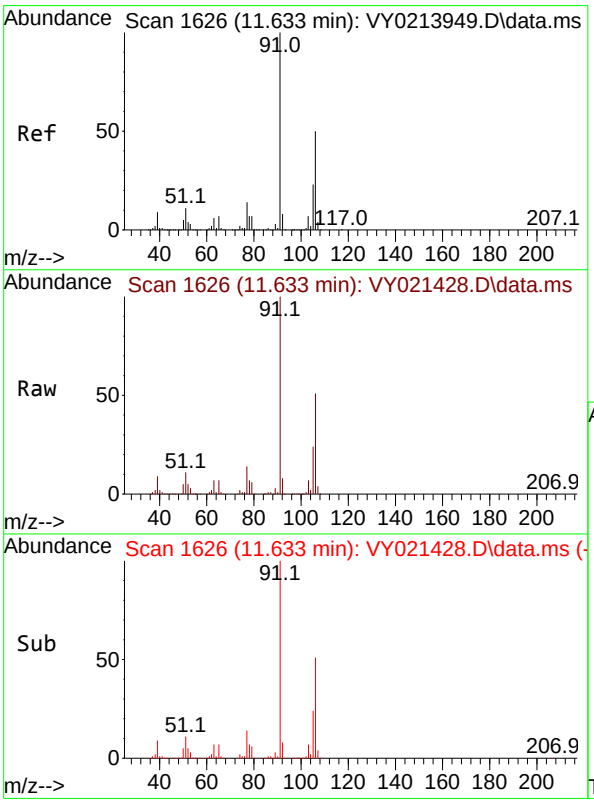
Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

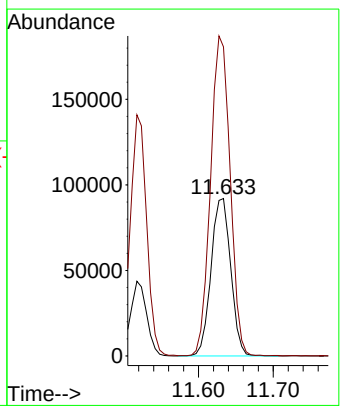


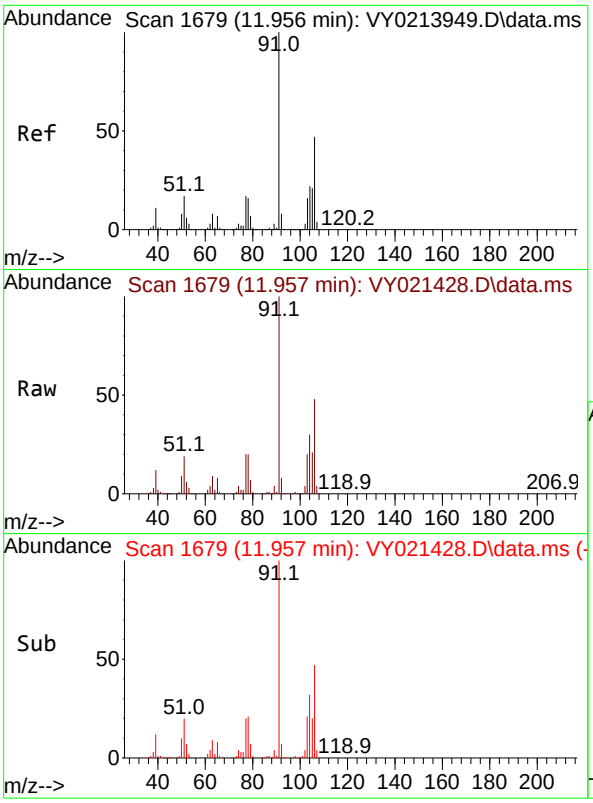


#68
m/p-Xylenes
Concen: 36.598 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:106 Resp: 168512

Ion	Ratio	Lower	Upper
106	100		
91	202.0	161.7	242.5





#69
o-Xylene
Concen: 18.151 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

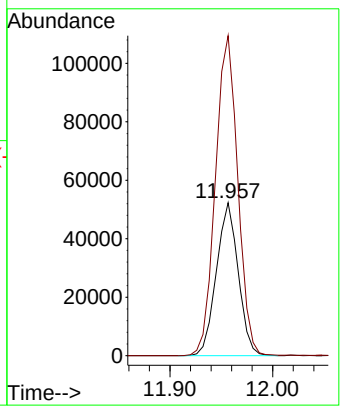
Tgt Ion:106 Resp: 7702

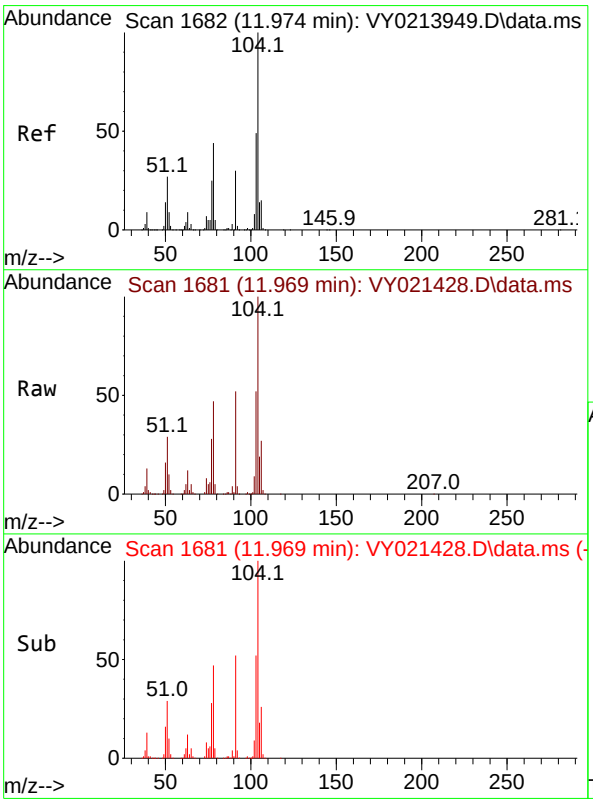
Ion	Ratio	Lower	Upper
106	100		
91	214.7	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

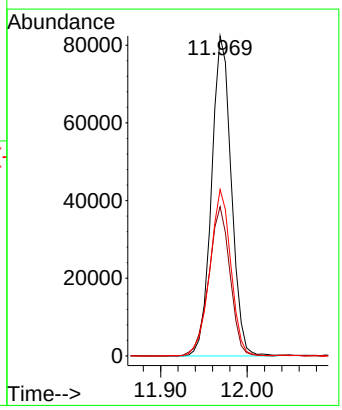


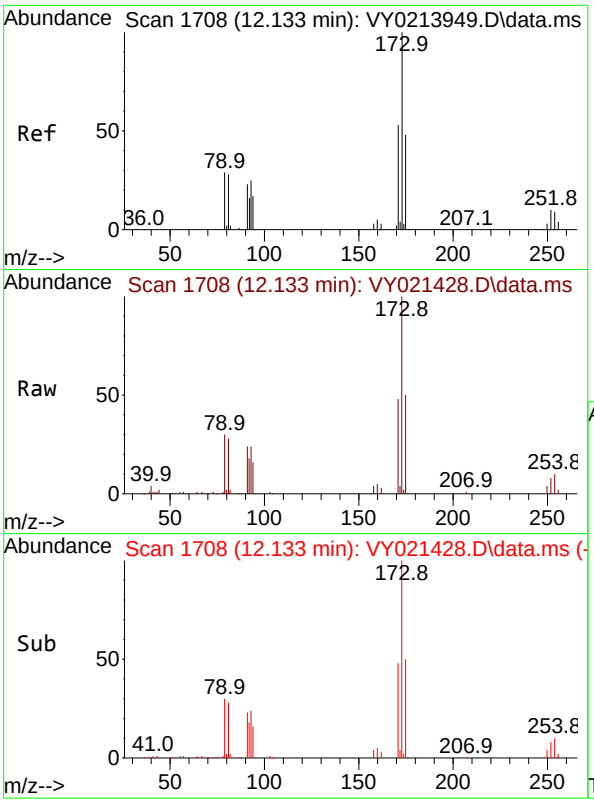


#70
Styrene
Concen: 18.561 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:104 Resp: 130672

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.7	61.1
103	55.2	44.1	66.1

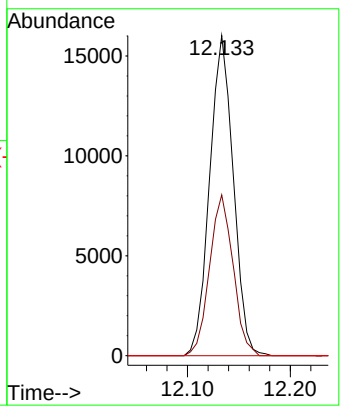




#71
Bromoform
Concen: 18.762 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:173 Resp: 2562

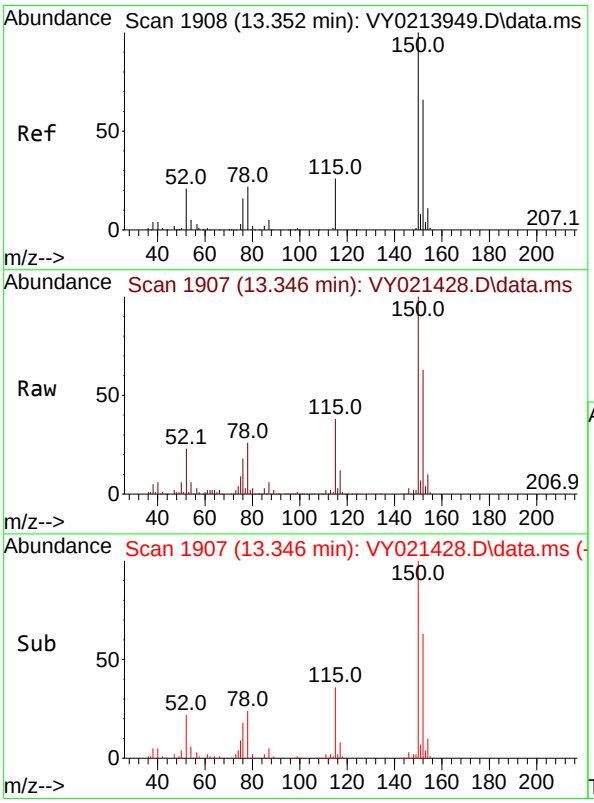
Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

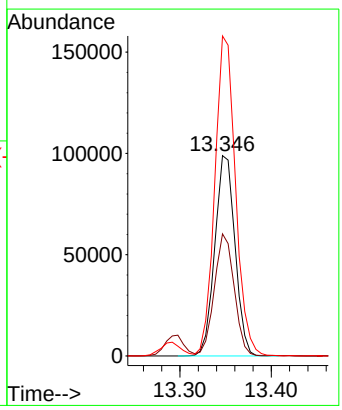
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

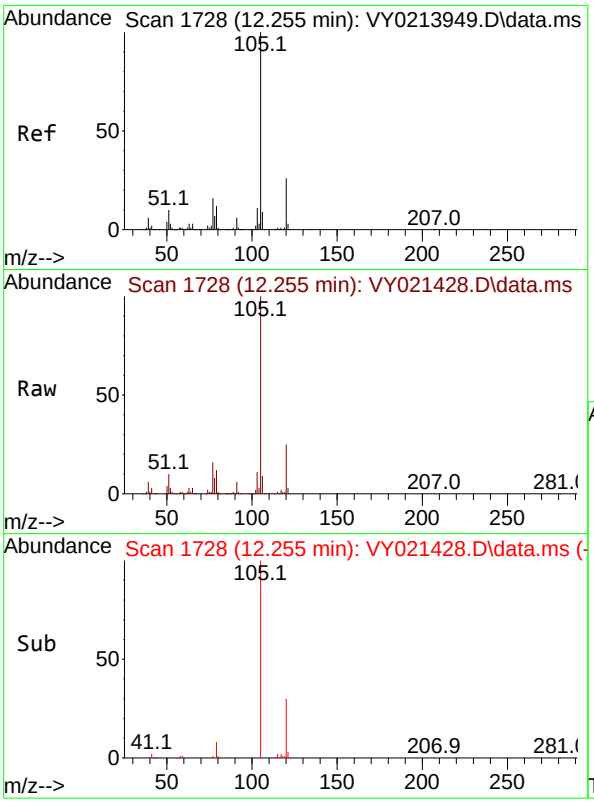


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:152 Resp: 152176

Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.0	87.0
150	163.9	0.0	347.2

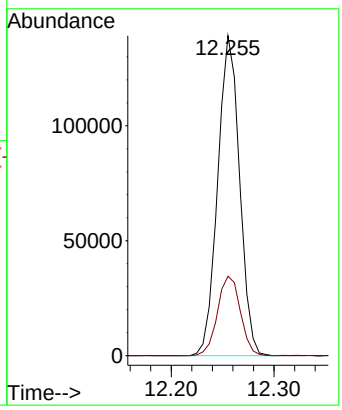




#73
Isopropylbenzene
Concen: 17.133 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:105 Resp: 20537

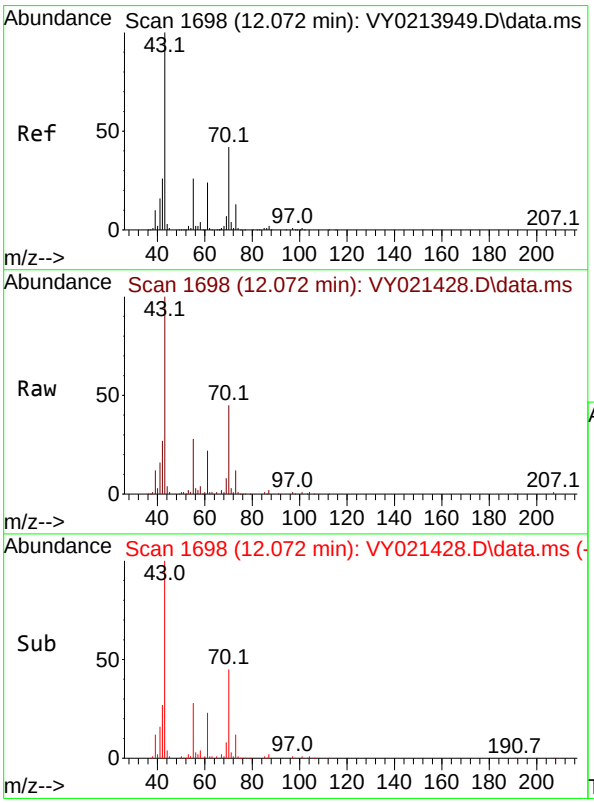
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

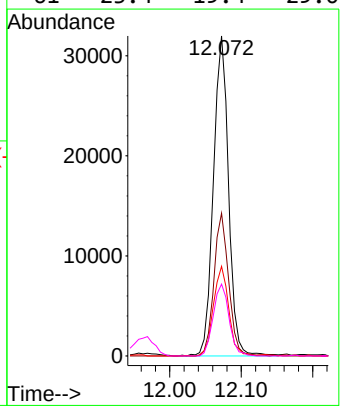
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

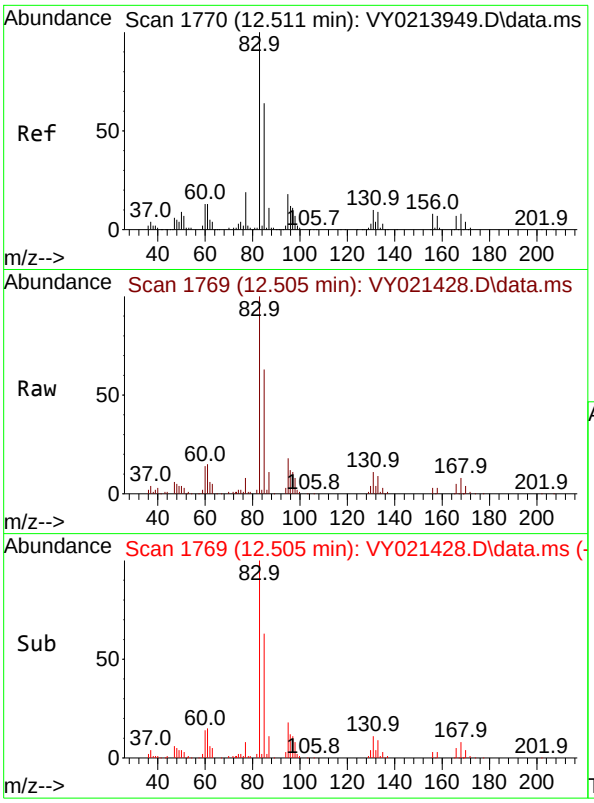


#74
N-amyl acetate
Concen: 18.086 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 43 Resp: 47083

Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.6	51.8
55	28.2	21.1	31.7
61	23.4	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 18.824 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

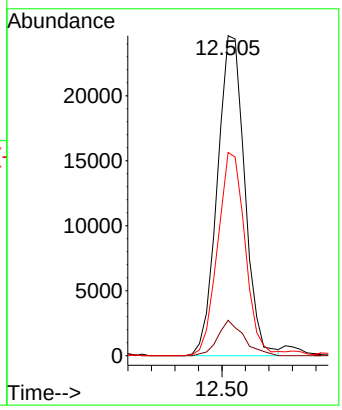
Tgt Ion: 83 Resp: 3982

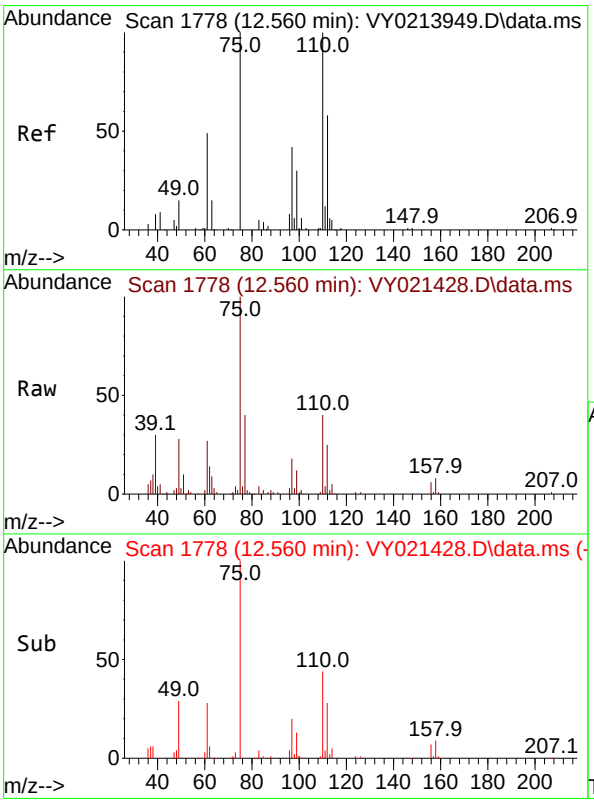
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	16.1
85	64.0	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

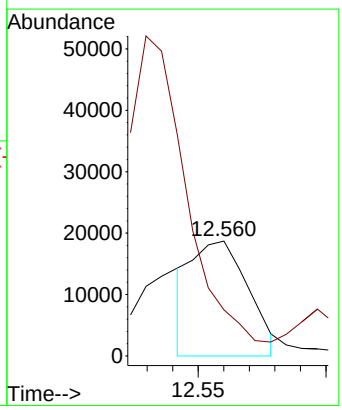


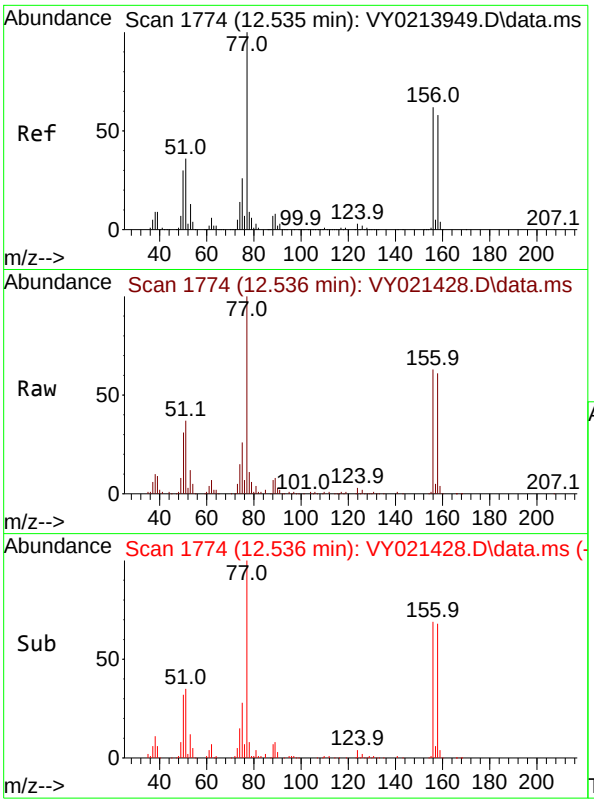


#76
1,2,3-Trichloropropane
Concen: 18.847 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 75 Resp: 28901

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

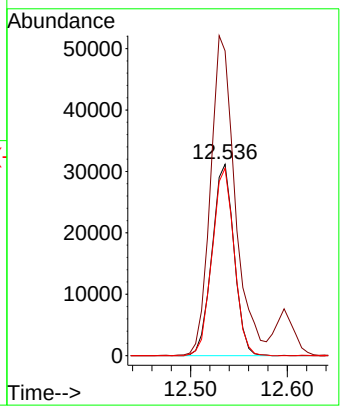




#77
Bromobenzene
Concen: 17.541 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:156 Resp: 4919

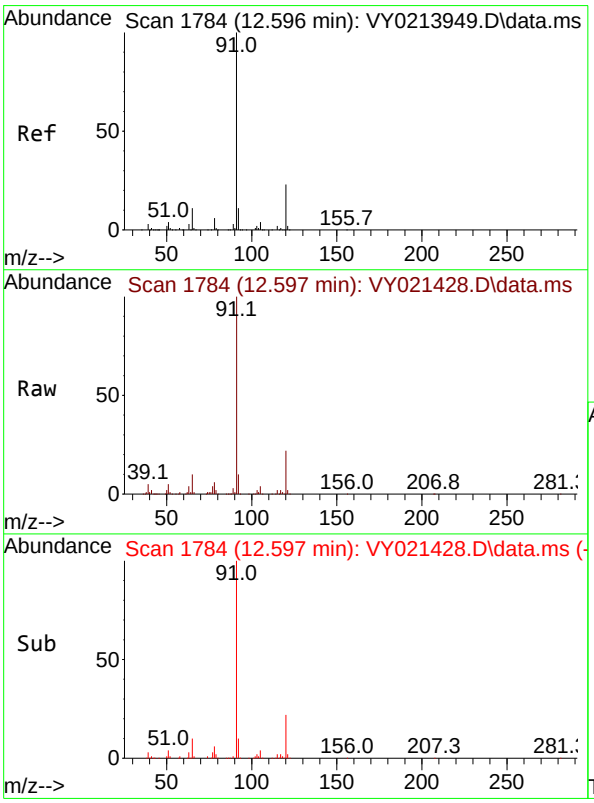
Ion	Ratio	Lower	Upper
156	100		
77	187.7	93.6	280.8
158	98.2	48.3	144.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

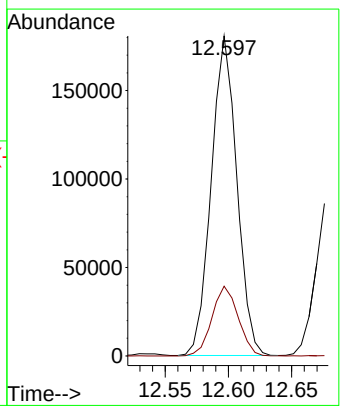
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

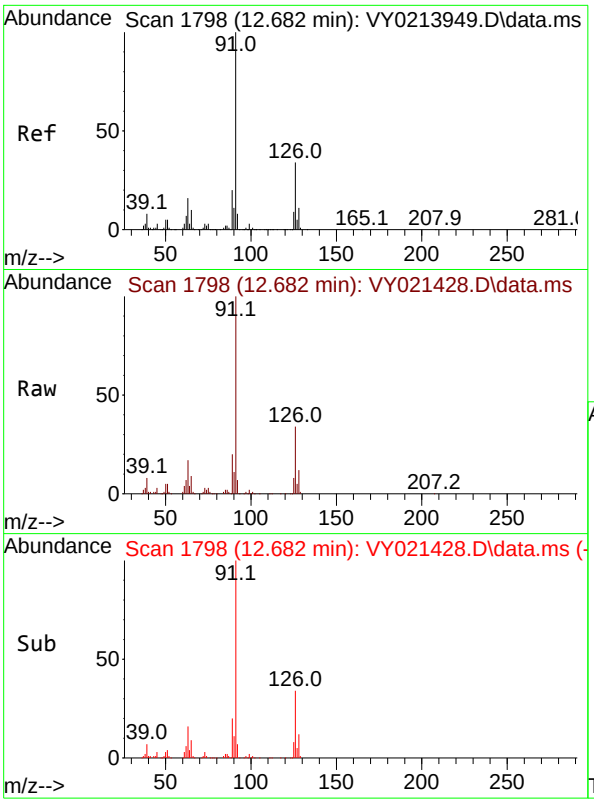


#78
n-propylbenzene
Concen: 17.461 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 91 Resp: 254198

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.8





#79
2-Chlorotoluene
Concen: 17.642 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

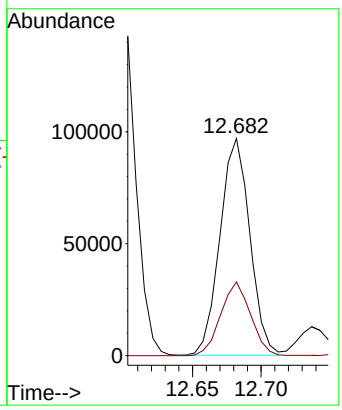
Tgt Ion: 91 Resp: 14685

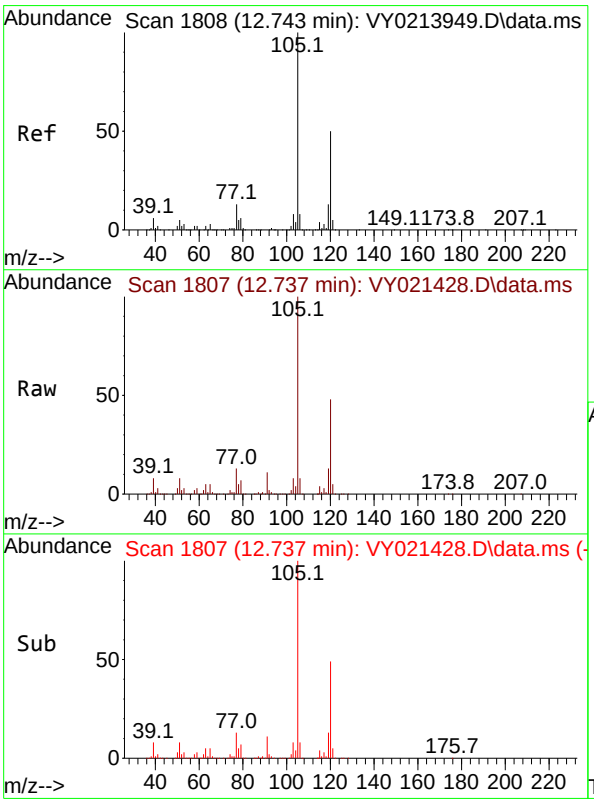
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

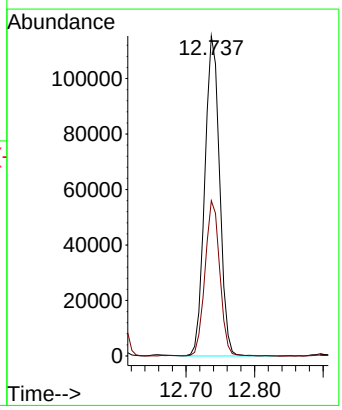


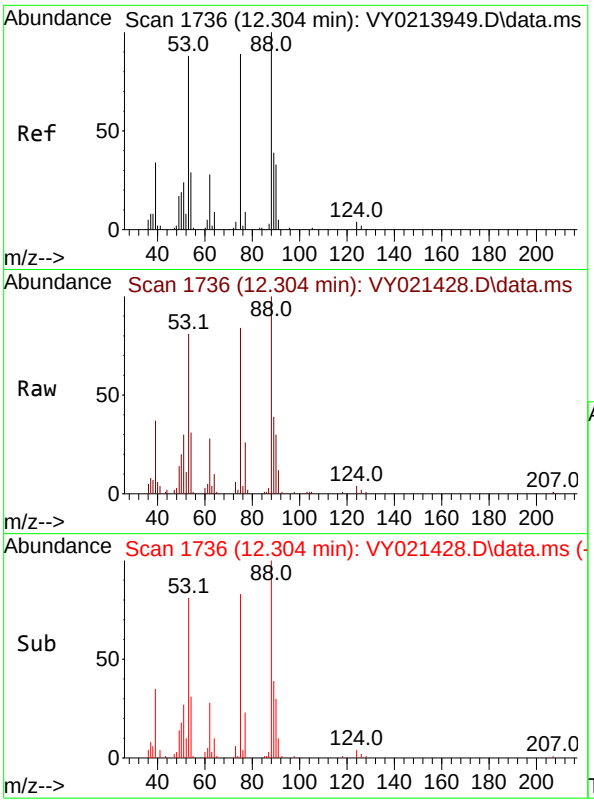


#80
1,3,5-Trimethylbenzene
Concen: 17.854 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:105 Resp: 173931

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 18.061 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

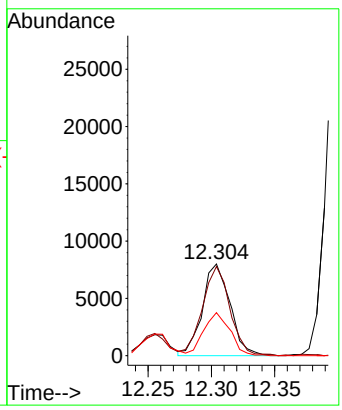
Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

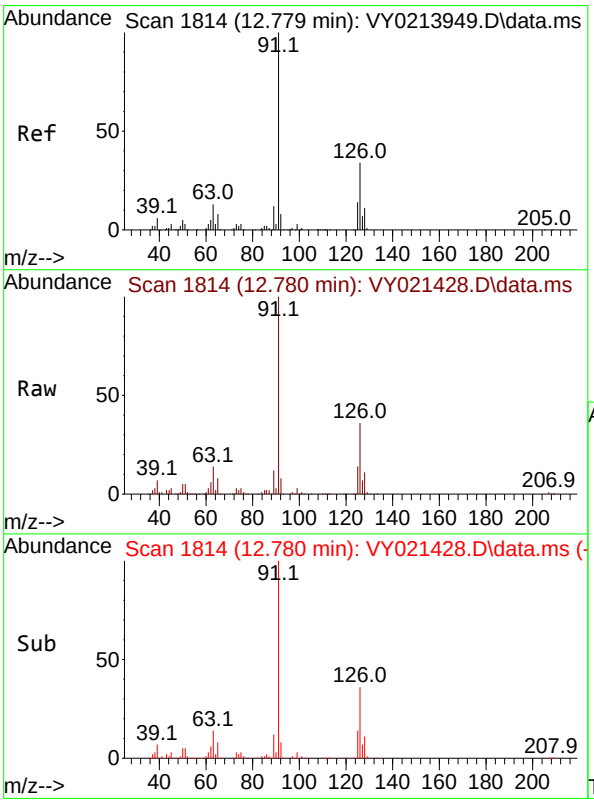
Tgt Ion: 75 Resp: 1218

Ion	Ratio	Lower	Upper
75	100		
53	97.0	81.0	121.4
89	44.7	36.9	55.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

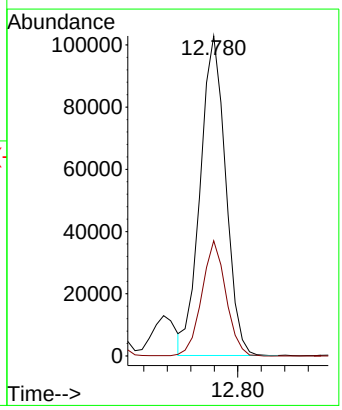


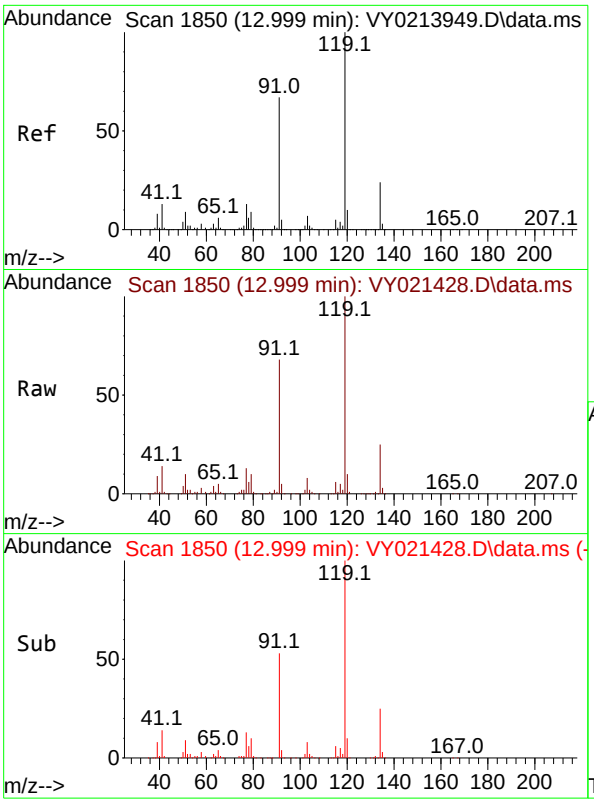


#82
4-Chlorotoluene
Concen: 17.882 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 91 Resp: 154146

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0





#83
tert-Butylbenzene
Concen: 17.198 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

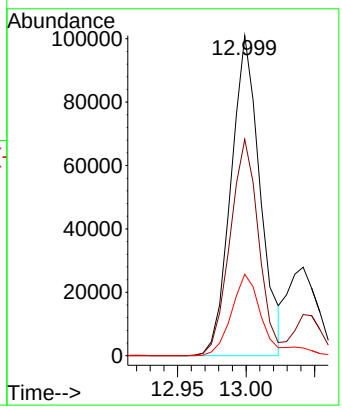
Tgt Ion:119 Resp: 14945

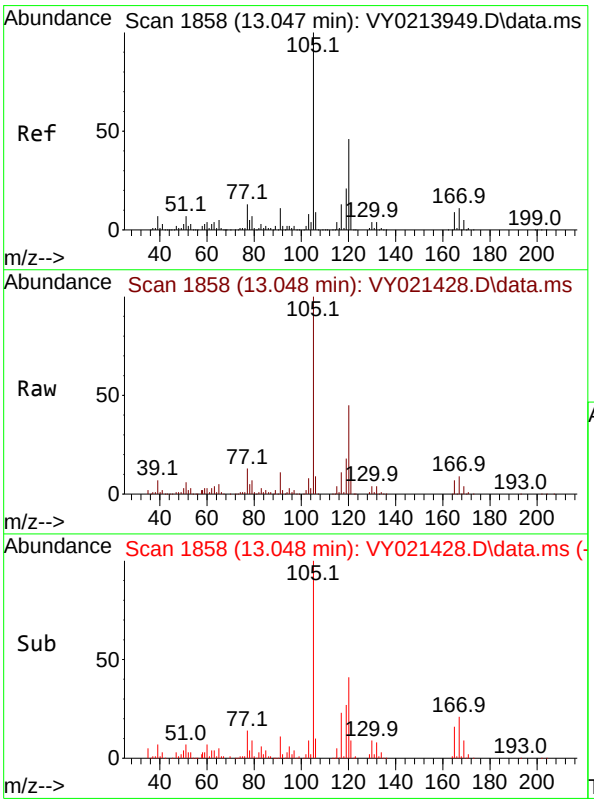
Ion	Ratio	Lower	Upper
119	100		
91	66.3	33.2	99.6
134	27.5	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

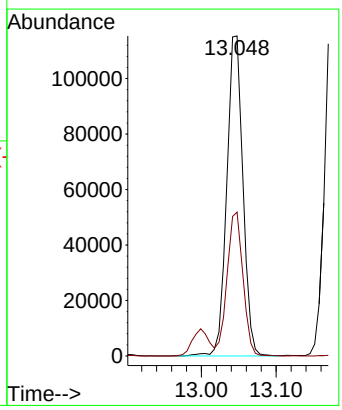


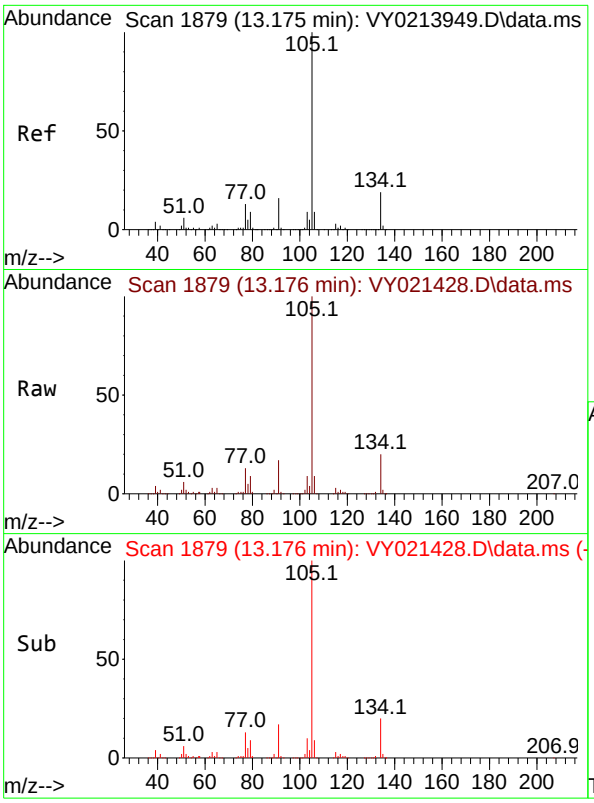


#84
1,2,4-Trimethylbenzene
Concen: 17.908 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:105 Resp: 173214

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.7	68.1





#85
sec-Butylbenzene
Concen: 17.373 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

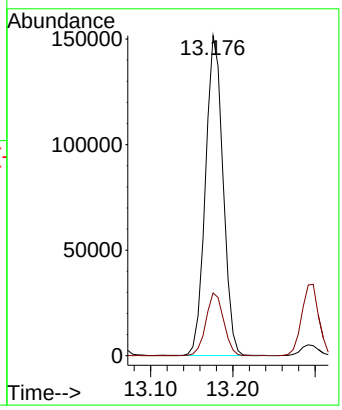
Tgt Ion:105 Resp: 22463

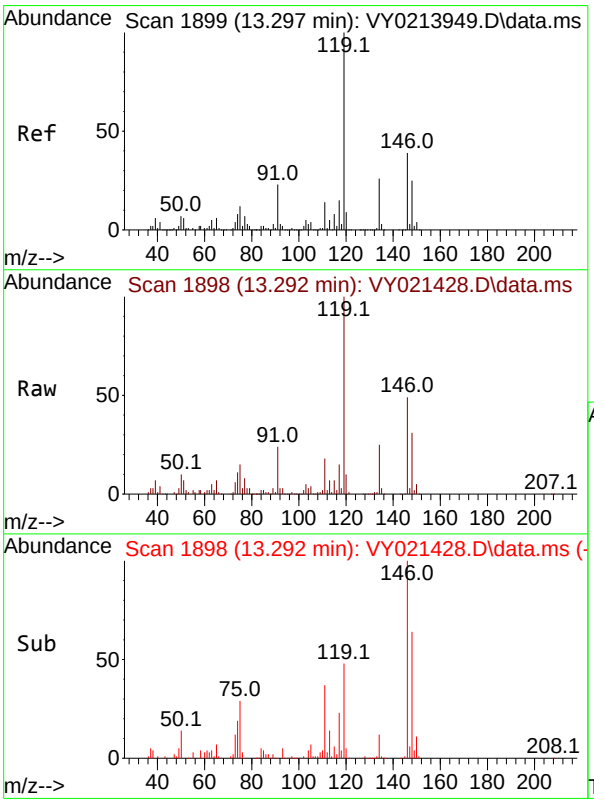
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

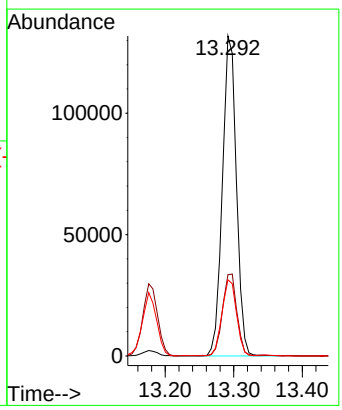


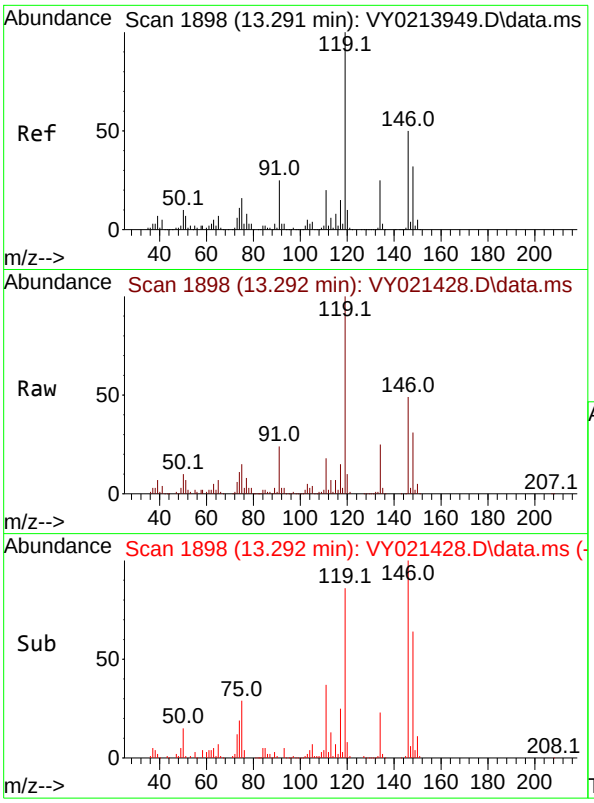


#86
p-Isopropyltoluene
Concen: 17.502 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:119 Resp: 186440

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	24.5	12.2	36.6

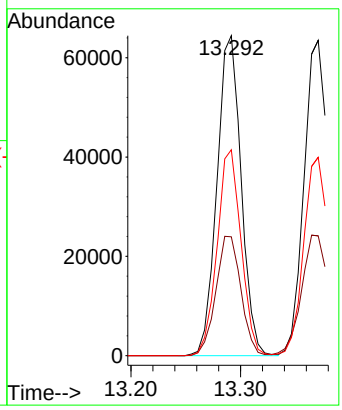




#87
1,3-Dichlorobenzene
Concen: 17.691 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:146 Resp: 9875

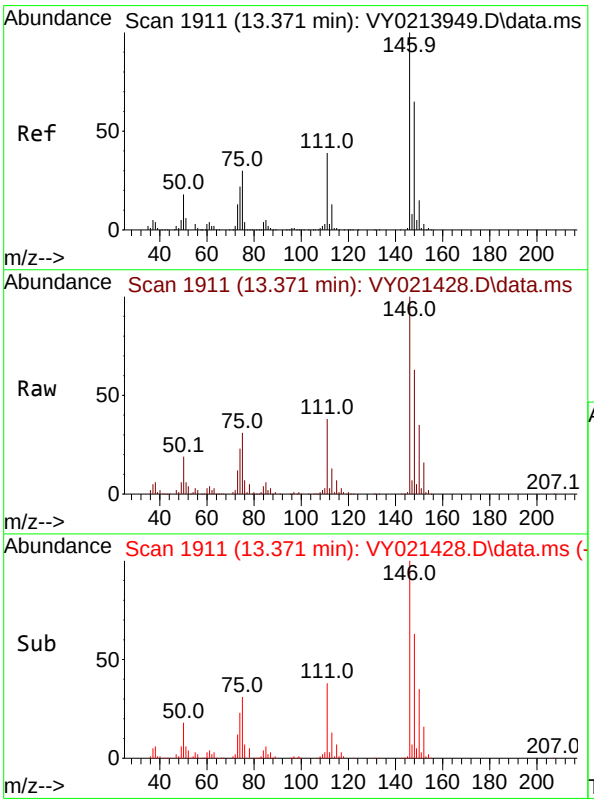
Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	60.0
148	63.8	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

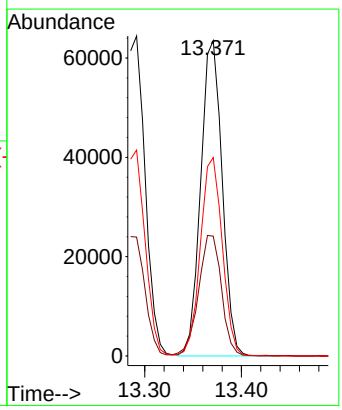
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

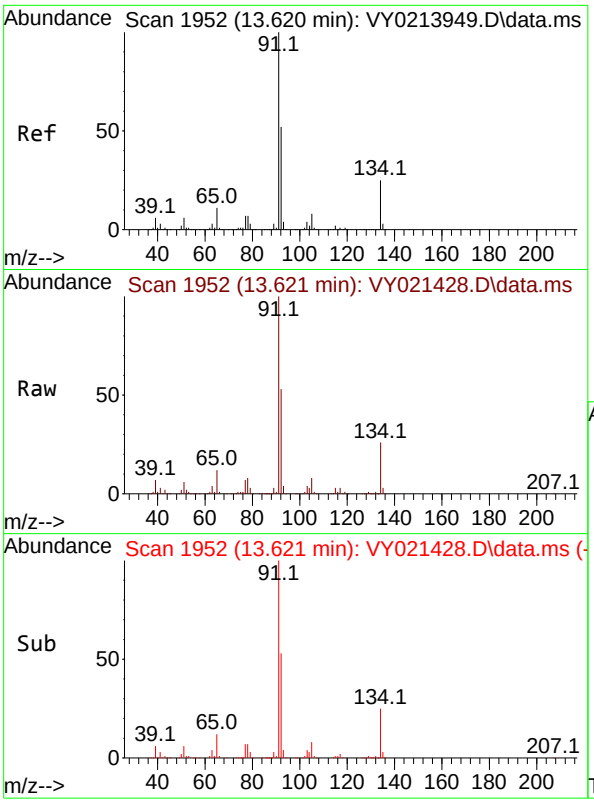


#88
1,4-Dichlorobenzene
Concen: 18.014 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:146 Resp: 98346

Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.6	58.8
148	64.2	32.3	96.8





#89
n-Butylbenzene
Concen: 17.459 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

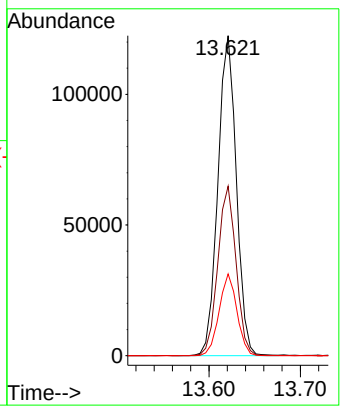
Tgt Ion: 91 Resp: 17173

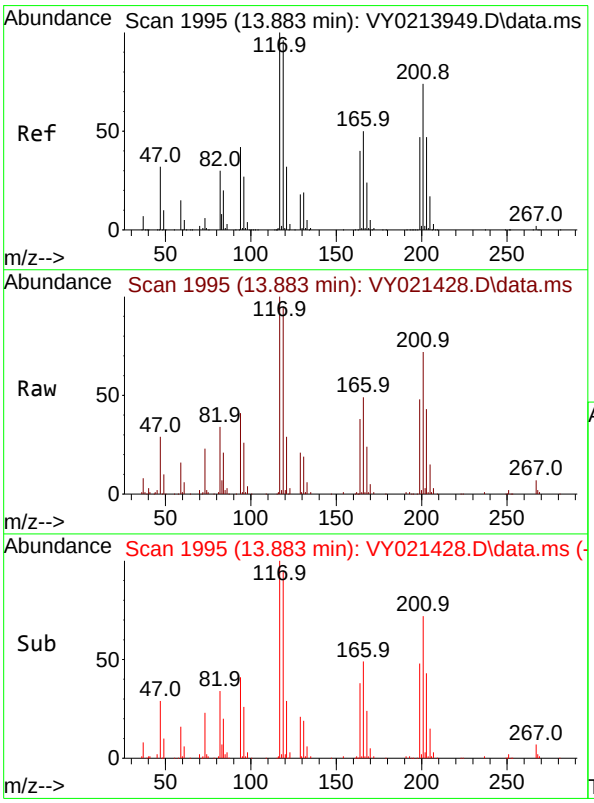
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.3
134	24.7	12.6	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

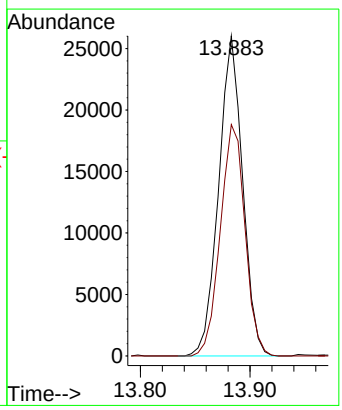


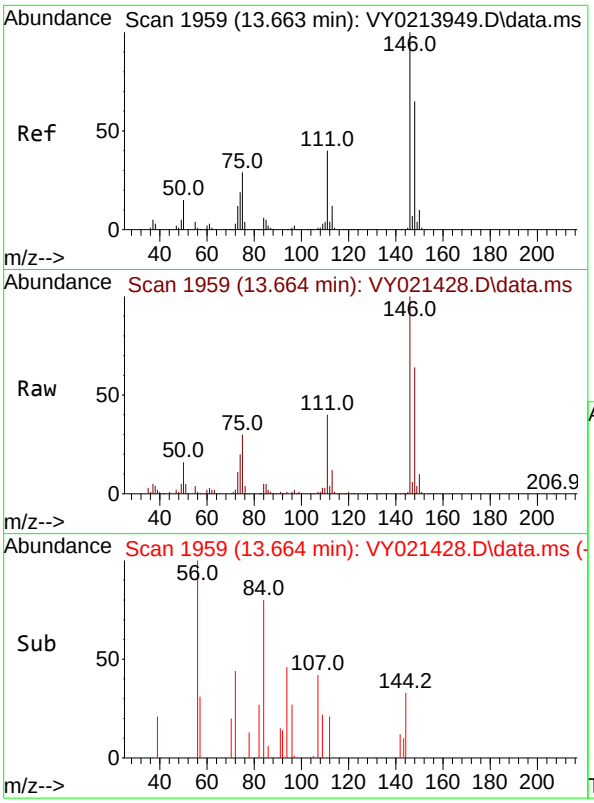


#90
Hexachloroethane
Concen: 17.395 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:117 Resp: 39531

Ion	Ratio	Lower	Upper
117	100		
201	74.4	37.4	112.2

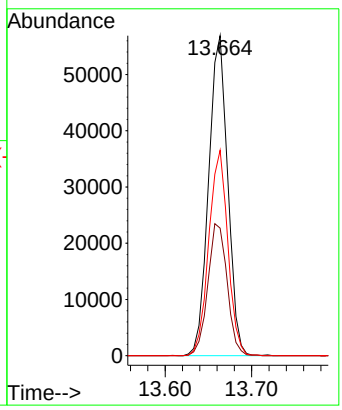




#91
1,2-Dichlorobenzene
Concen: 18.225 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:146 Resp: 8719

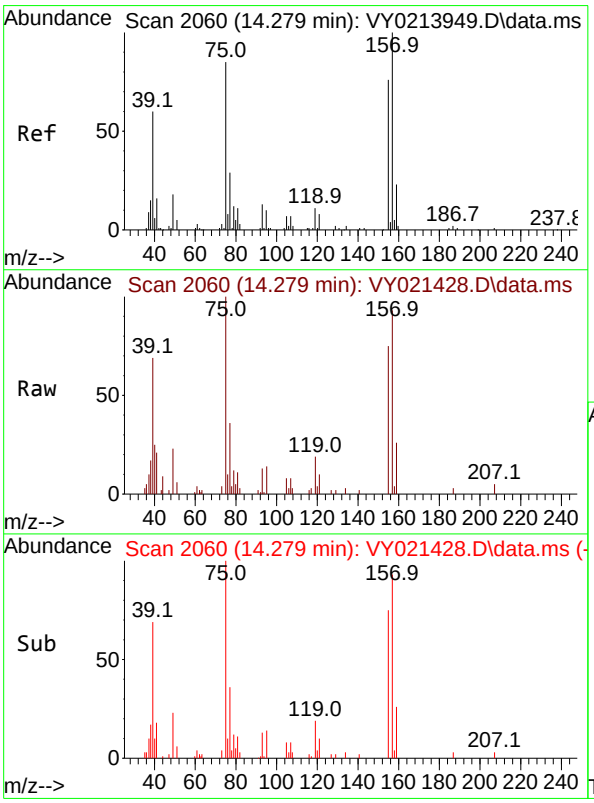
Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	64.0	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

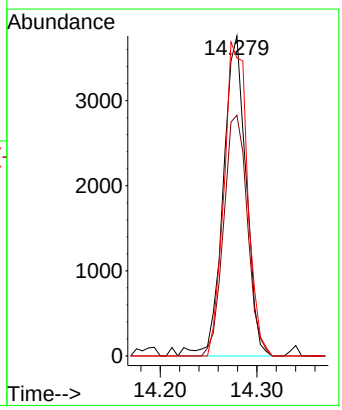
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

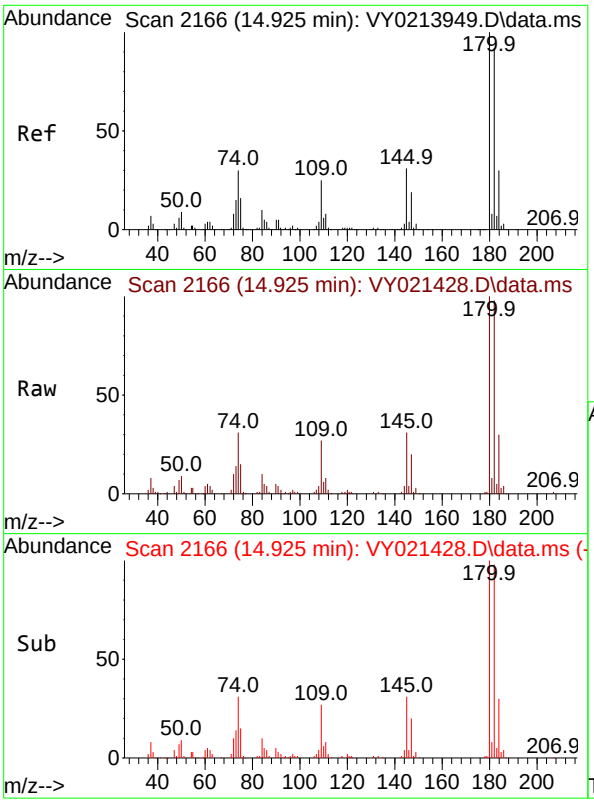


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.390 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 75 Resp: 6144

Ion	Ratio	Lower	Upper
75	100		
155	78.4	43.5	130.5
157	100.8	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 17.321 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

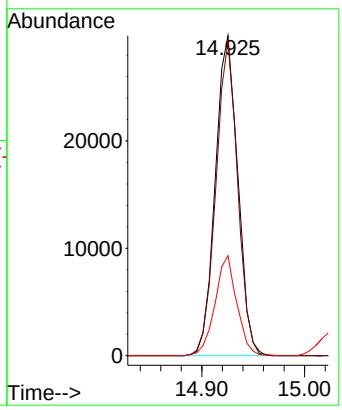
Tgt Ion:180 Resp: 4526

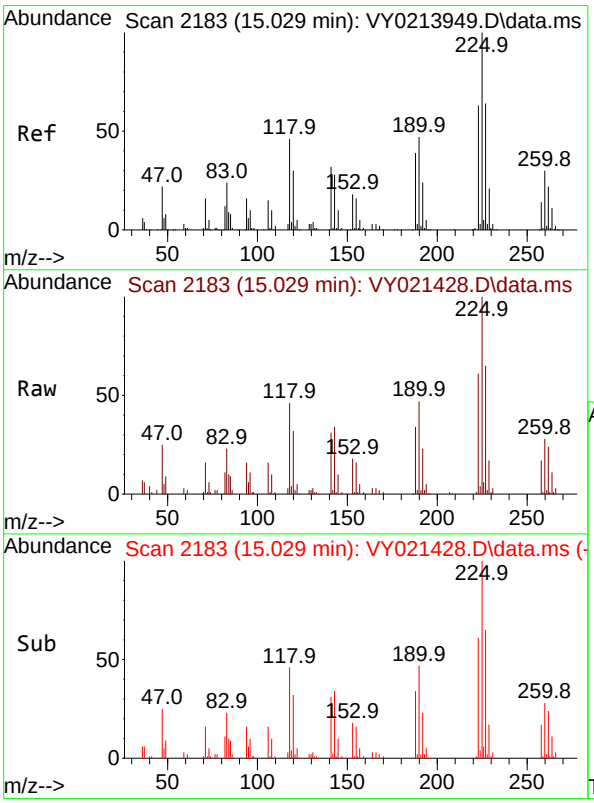
Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.7	140.0
145	30.3	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

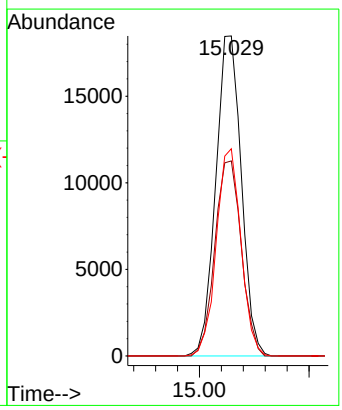


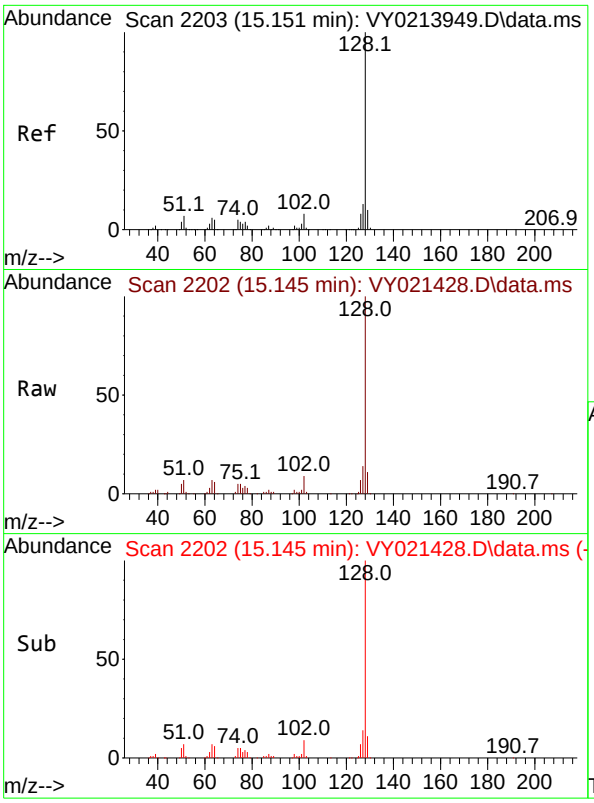


#94
Hexachlorobutadiene
Concen: 18.285 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:225 Resp: 29954

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.2
227	62.4	31.8	95.4

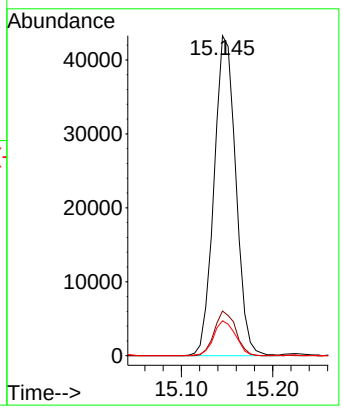




#95
Naphthalene
Concen: 18.264 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:128 Resp: 7174

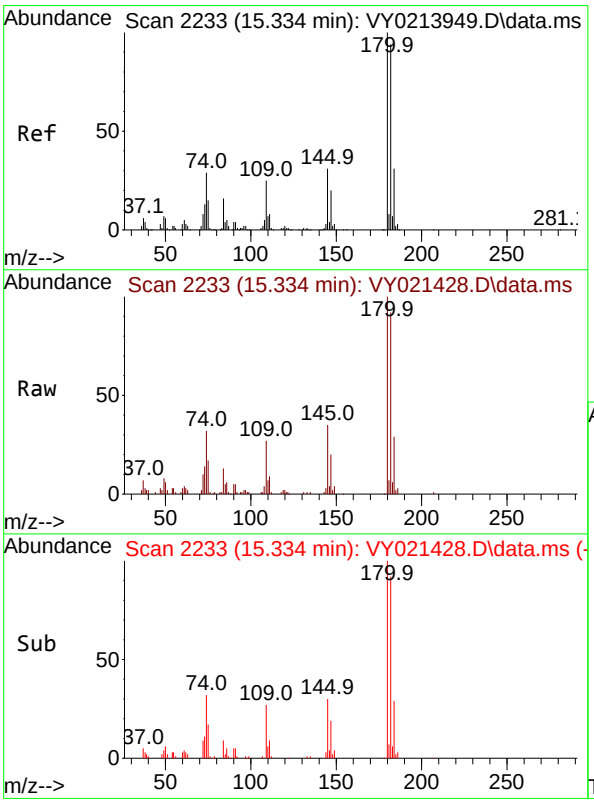
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.0	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

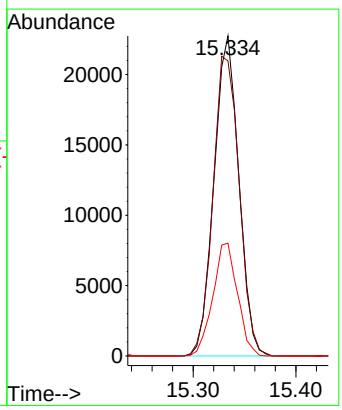
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.350 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:180 Resp: 38134

Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.2	141.6
145	35.0	16.4	49.1



Raw Data: **VY021371.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MS	SDG No.:	Q1421
Lab Sample ID:	Q1421-02MS	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	70.3
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021371.D	1		02/27/25 20:15	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	68.0		2.20	6.60	ug/Kg
74-87-3	Chloromethane	68.1		1.50	6.60	ug/Kg
75-01-4	Vinyl Chloride	72.9		1.00	6.60	ug/Kg
74-83-9	Bromomethane	72.8		1.40	6.60	ug/Kg
75-00-3	Chloroethane	77.8		1.30	6.60	ug/Kg
75-69-4	Trichlorofluoromethane	71.3		1.20	6.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	65.9		1.40	6.60	ug/Kg
75-35-4	1,1-Dichloroethene	68.6		1.00	6.60	ug/Kg
67-64-1	Acetone	290		8.20	33.0	ug/Kg
75-15-0	Carbon Disulfide	64.5		1.70	6.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	70.1		0.88	6.60	ug/Kg
79-20-9	Methyl Acetate	85.9		2.40	6.60	ug/Kg
75-09-2	Methylene Chloride	76.7		4.50	13.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	68.3		1.10	6.60	ug/Kg
75-34-3	1,1-Dichloroethane	70.4		0.83	6.60	ug/Kg
110-82-7	Cyclohexane	55.3		0.91	6.60	ug/Kg
78-93-3	2-Butanone	290		7.50	33.0	ug/Kg
56-23-5	Carbon Tetrachloride	61.1		1.10	6.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	69.1		0.80	6.60	ug/Kg
74-97-5	Bromochloromethane	56.9		3.20	6.60	ug/Kg
67-66-3	Chloroform	72.4		0.88	6.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	68.1		1.00	6.60	ug/Kg
108-87-2	Methylcyclohexane	46.6		1.10	6.60	ug/Kg
71-43-2	Benzene	65.5		0.95	6.60	ug/Kg
107-06-2	1,2-Dichloroethane	66.6		0.80	6.60	ug/Kg
79-01-6	Trichloroethene	60.4		0.99	6.60	ug/Kg
78-87-5	1,2-Dichloropropane	65.0		0.87	6.60	ug/Kg
75-27-4	Bromodichloromethane	65.2		0.74	6.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	280		5.70	33.0	ug/Kg
108-88-3	Toluene	59.7		0.88	6.60	ug/Kg

Raw Data: **VY021371.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MS	SDG No.:	Q1421
Lab Sample ID:	Q1421-02MS	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	70.3
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021371.D	1		02/27/25 20:15	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	58.6		0.79	6.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	59.8		0.75	6.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	61.4		1.10	6.60	ug/Kg
591-78-6	2-Hexanone	270		6.30	33.0	ug/Kg
124-48-1	Dibromochloromethane	60.2		0.86	6.60	ug/Kg
106-93-4	1,2-Dibromoethane	58.2		1.00	6.60	ug/Kg
127-18-4	Tetrachloroethene	64.3		1.20	6.60	ug/Kg
108-90-7	Chlorobenzene	61.6		0.98	6.60	ug/Kg
100-41-4	Ethyl Benzene	63.6		0.82	6.60	ug/Kg
179601-23-1	m/p-Xylenes	120		1.80	13.2	ug/Kg
95-47-6	o-Xylene	62.1		0.92	6.60	ug/Kg
100-42-5	Styrene	47.1		0.79	6.60	ug/Kg
75-25-2	Bromoform	64.7		1.10	6.60	ug/Kg
98-82-8	Isopropylbenzene	97.3		0.88	6.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	110		1.50	6.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.2		0.98	6.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.5		1.10	6.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.0		0.78	6.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	89.4		2.10	6.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.3		1.00	6.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.6		1.00	6.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	42.2		74 - 123	84%	SPK: 50
460-00-4	4-Bromofluorobenzene	27.5		38 - 136	55%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	7.707			
540-36-3	1,4-Difluorobenzene	230000	8.616			
3114-55-4	Chlorobenzene-d5	163000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	46500	13.347			

Raw Data: **VY021371.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MS	SDG No.:	Q1421
Lab Sample ID:	Q1421-02MS	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	70.3
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021371.D	1		02/27/25 20:15	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VY021371.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021371.D
Acq On : 27 Feb 2025 20:15
Operator : SY/MD
Sample : Q1421-02MS
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 28 00:45:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	141028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	230342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	163009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	46476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	77228	48.272	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.540%			
35) Dibromofluoromethane	7.634	113	73458	48.643	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.280%			
50) Toluene-d8	10.103	98	246044	42.158	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 84.320%			
62) 4-Bromofluorobenzene	12.408	95	54013	27.499	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 55.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	68934	51.554	ug/l	95
3) Chloromethane	2.068	50	89159	51.631	ug/l	99
4) Vinyl Chloride	2.202	62	93617	55.233	ug/l	99
5) Bromomethane	2.592	94	62142	55.172	ug/l	97
6) Chloroethane	2.733	64	61988	58.976	ug/l	99
7) Trichlorofluoromethane	3.056	101	138348	54.048	ug/l	96
8) Diethyl Ether	3.452	74	40642	52.901	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	73968	49.912	ug/l	100
10) Methyl Iodide	4.001	142	90623	58.124	ug/l	99
11) Tert butyl alcohol	4.860	59	23950	194.625	ug/l #	72
12) 1,1-Dichloroethene	3.787	96	73781	51.995	ug/l	97
13) Acrolein	3.653	56	2745	29.109	ug/l	96
14) Allyl chloride	4.385	41	122112	48.537	ug/l	95
15) Acrylonitrile	5.055	53	78440	230.923	ug/l	99
16) Acetone	3.867	43	66513	216.735	ug/l	97
17) Carbon Disulfide	4.104	76	230205	48.856	ug/l	100
18) Methyl Acetate	4.379	43	48818	65.091	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	199105	53.108	ug/l	98
20) Methylene Chloride	4.610	84	96460	58.126	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	80907	51.793	ug/l	97
22) Diisopropyl ether	6.019	45	281794	54.127	ug/l	96
23) Vinyl Acetate	5.958	43	668166	214.772	ug/l	99
24) 1,1-Dichloroethane	5.915	63	156468	53.324	ug/l	99
25) 2-Butanone	6.890	43	102122	220.488	ug/l	93
26) 2,2-Dichloropropane	6.884	77	129555	48.659	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	93450	52.388	ug/l	98
28) Bromochloromethane	7.238	49	56032	43.156	ug/l	96
29) Tetrahydrofuran	7.262	42	67868	224.174	ug/l	98
30) Chloroform	7.421	83	163043	54.836	ug/l	97
31) Cyclohexane	7.701	56	118183	41.900	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	139641	51.598	ug/l	99
36) 1,1-Dichloropropene	7.835	75	103987	45.842	ug/l	99
37) Ethyl Acetate	6.982	43	47008	41.660	ug/l	98
38) Carbon Tetrachloride	7.817	117	118138	46.325	ug/l	100
39) Methylcyclohexane	9.110	83	101311	35.311	ug/l	99
40) Benzene	8.079	78	332686	49.613	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021371.D
Acq On : 27 Feb 2025 20:15
Operator : SY/MD
Sample : Q1421-02MS
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 28 00:45:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	25732	40.787	ug/l		93
42) 1,2-Dichloroethane	8.158	62	96084	50.504	ug/l		99
43) Isopropyl Acetate	8.195	43	93462	42.793	ug/l		99
44) Trichloroethene	8.866	130	76806	45.750	ug/l		100
45) 1,2-Dichloropropane	9.140	63	79449	49.233	ug/l		97
46) Dibromomethane	9.231	93	42728	48.439	ug/l		99
47) Bromodichloromethane	9.420	83	116295	49.446	ug/l		98
48) Methyl methacrylate	9.219	41	43122	42.222	ug/l		90
49) 1,4-Dioxane	9.225	88	9051	922.812	ug/l		92
51) 4-Methyl-2-Pentanone	9.993	43	241466	215.981	ug/l		99
52) Toluene	10.170	92	188579	45.270	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	95774	44.446	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	115346	45.342	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	53434	46.500	ug/l		97
56) Ethyl methacrylate	10.439	69	67800	42.701	ug/l		98
57) 1,3-Dichloropropane	10.713	76	93124	46.182	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	79704	104.582	ug/l		99
59) 2-Hexanone	10.762	43	149310	203.352	ug/l		99
60) Dibromochloromethane	10.908	129	71390	45.616	ug/l		99
61) 1,2-Dibromoethane	11.012	107	47952	44.078	ug/l		99
64) Tetrachloroethene	10.646	164	60073	48.757	ug/l		96
65) Chlorobenzene	11.438	112	170954	46.720	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	71113	55.503	ug/l		100
67) Ethyl Benzene	11.518	91	312558	48.224	ug/l		98
68) m/p-Xylenes	11.627	106	220984	90.646	ug/l		99
69) o-Xylene	11.957	106	107446	47.047	ug/l		100
70) Styrene	11.969	104	135726	35.719	ug/l		98
71) Bromoform	12.133	173	35915	48.999	ug/l	#	97
73) Isopropylbenzene	12.255	105	257735	73.764	ug/l		99
74) N-amyl acetate	12.072	43	59956	67.510	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	51679	83.806	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	30357m	65.256	ug/l		
77) Bromobenzene	12.530	156	54451	67.001	ug/l		96
78) n-propylbenzene	12.597	91	256487	60.493	ug/l		99
79) 2-Chlorotoluene	12.682	91	144452	59.364	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	163538	57.068	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	15578	74.429	ug/l		91
82) 4-Chlorotoluene	12.780	91	134075	53.154	ug/l		99
83) tert-Butylbenzene	12.999	119	163384	63.117	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	159053	55.807	ug/l		100
85) sec-Butylbenzene	13.176	105	183382	48.499	ug/l		100
86) p-Isopropyltoluene	13.292	119	146520	46.407	ug/l		98
87) 1,3-Dichlorobenzene	13.286	146	68524	42.625	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	67965	42.795	ug/l		99
89) n-Butylbenzene	13.621	91	93701	31.537	ug/l		99
90) Hexachloroethane	13.877	117	35381	53.648	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	60816	43.178	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6608	67.740	ug/l		98
93) 1,2,4-Trichlorobenzene	14.926	180	11950	13.901	ug/l		98
94) Hexachlorobutadiene	15.023	225	9398	17.365	ug/l		99
95) Naphthalene	15.145	128	29080	20.423	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	9705	13.362	ug/l		97

Sample Results: **VY021371.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021371.D
Acq On : 27 Feb 2025 20:15
Operator : SY/MD
Sample : Q1421-02MS
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 28 00:45:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

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

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

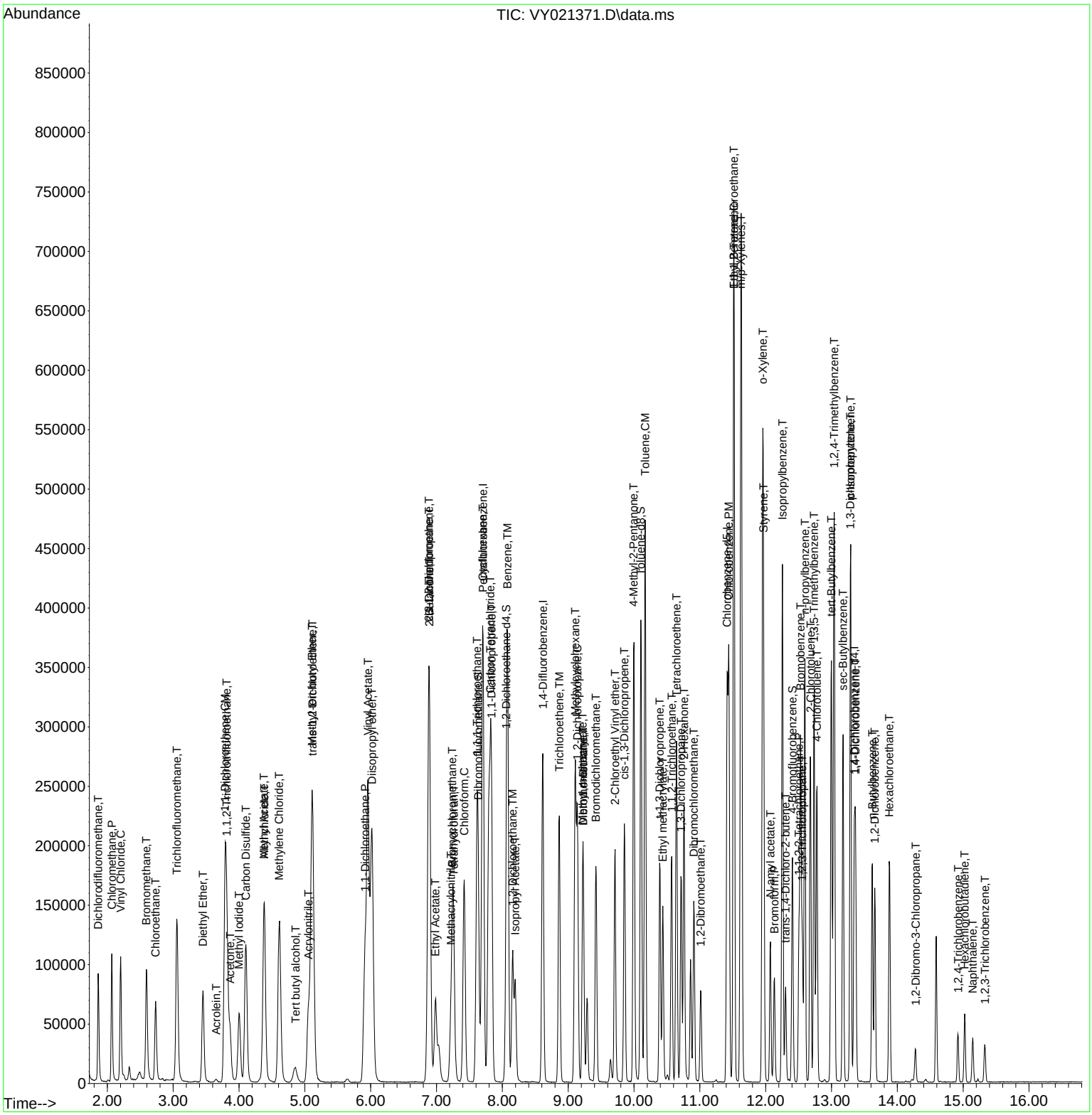
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021371.D
Acq On : 27 Feb 2025 20:15
Operator : SY/MD
Sample : Q1421-02MS
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 28 Sample Multiplier: 1

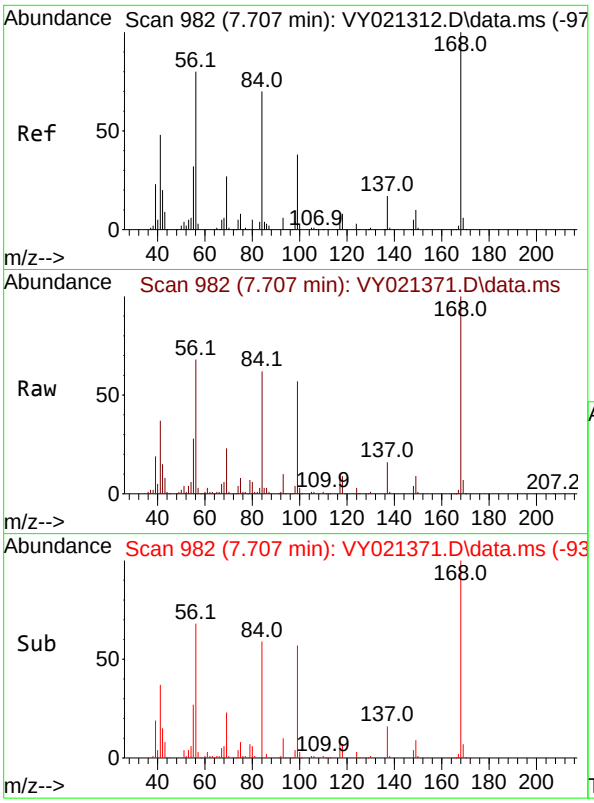
Quant Time: Feb 28 00:45:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

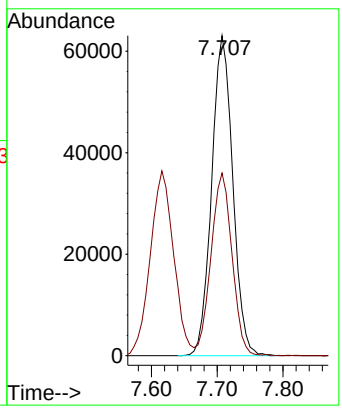
Tgt Ion:168 Resp: 14102

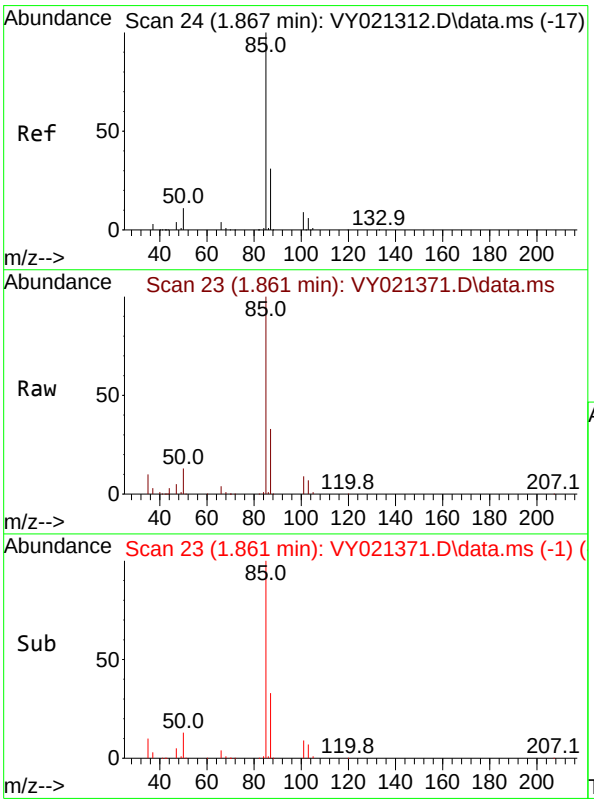
Ion	Ratio	Lower	Upper
168	100		
99	57.0	47.1	70.7

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

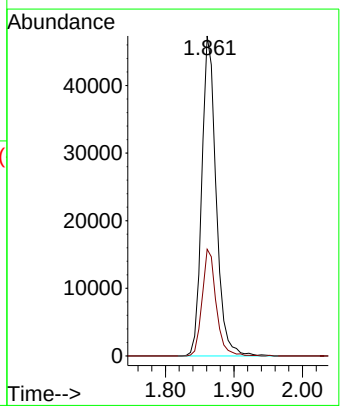


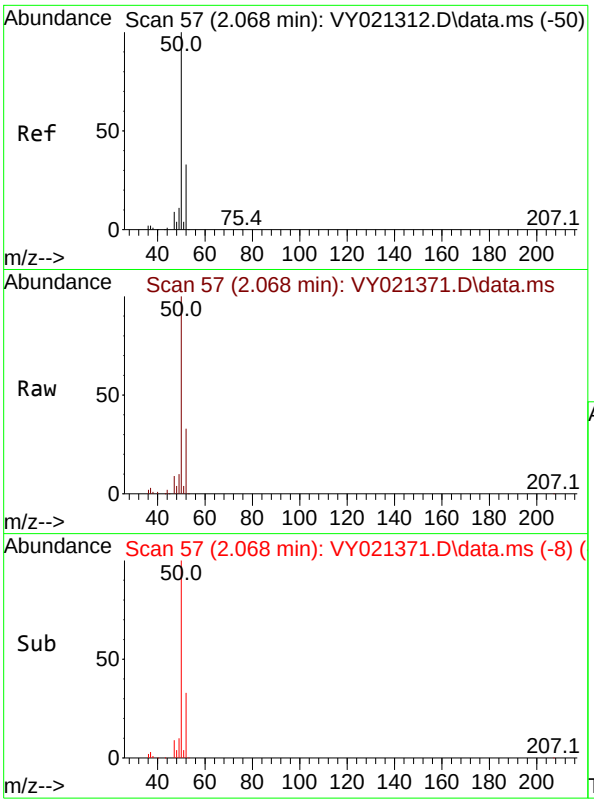


#2
Dichlorodifluoromethane
Concen: 51.554 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 85 Resp: 68934

Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.4	46.4

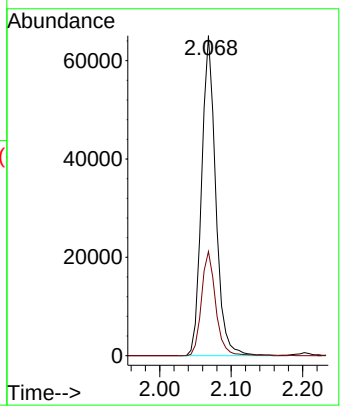




#3
Chloromethane
Concen: 51.631 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 50 Resp: 8915

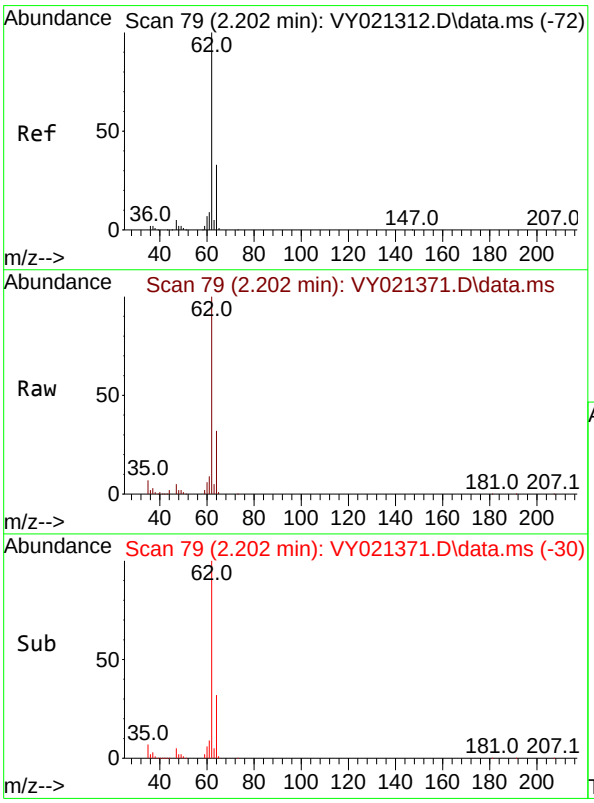
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

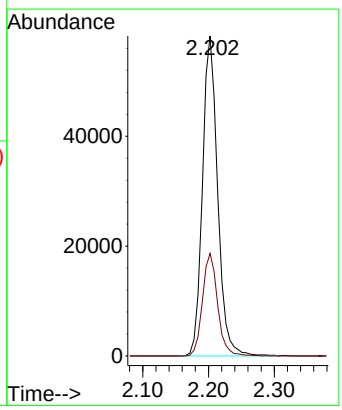
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

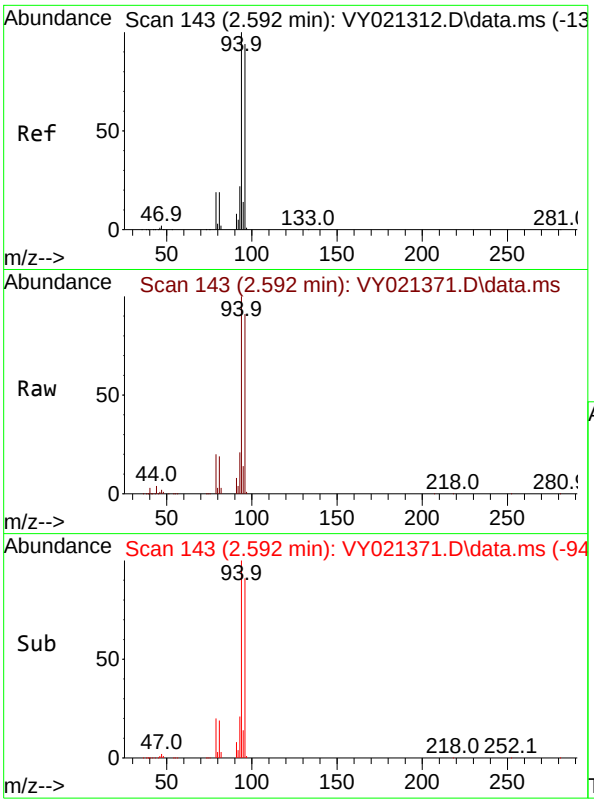


#4
Vinyl Chloride
Concen: 55.233 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 62 Resp: 93617

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.3	39.5





#5
Bromomethane
Concen: 55.172 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

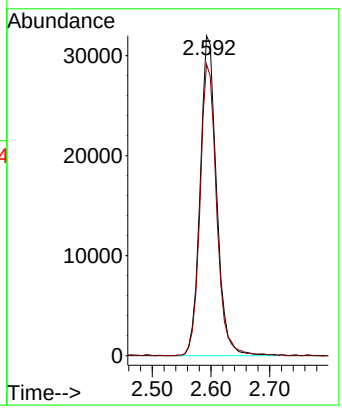
Tgt Ion: 94 Resp: 6214

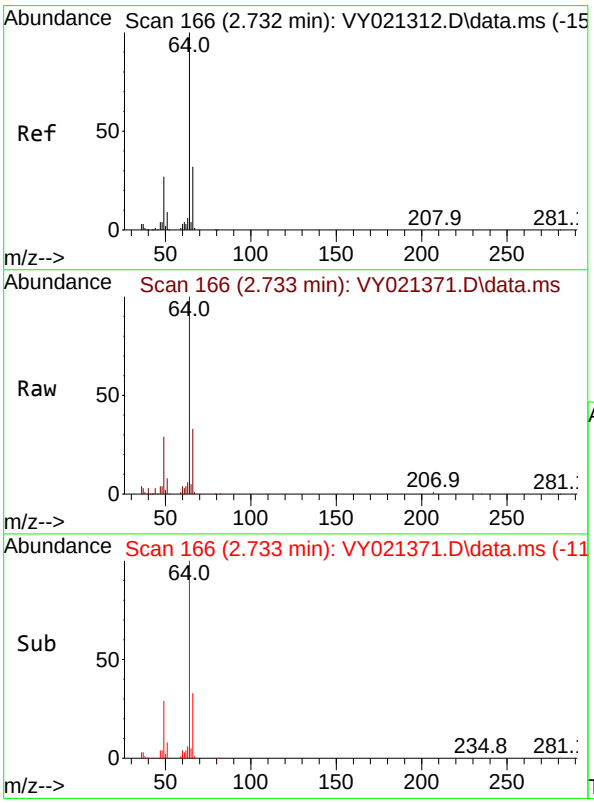
Ion	Ratio	Lower	Upper
94	100		
96	90.9	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

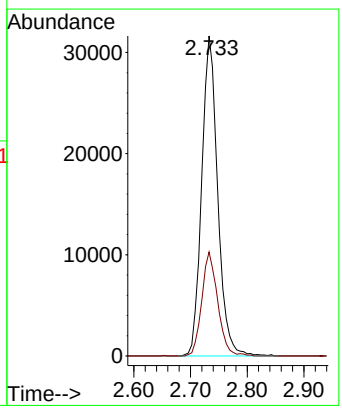


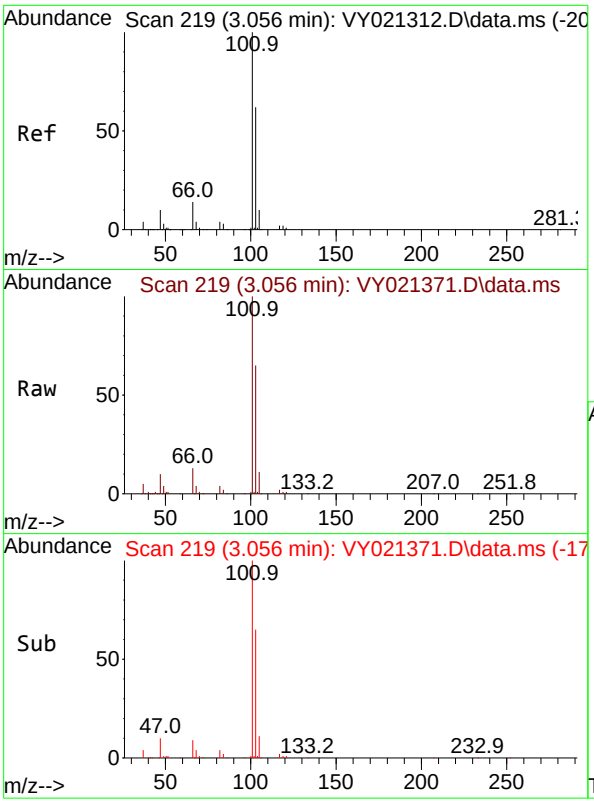


#6
Chloroethane
Concen: 58.976 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 64 Resp: 61988

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.4	38.0





#7
Trichlorofluoromethane
Concen: 54.048 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

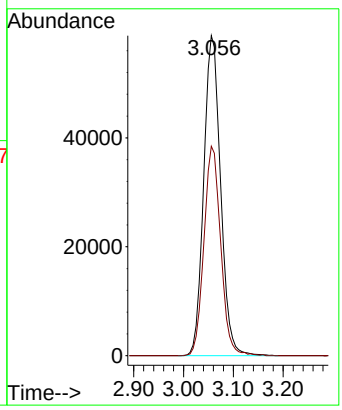
Tgt Ion:101 Resp: 13834

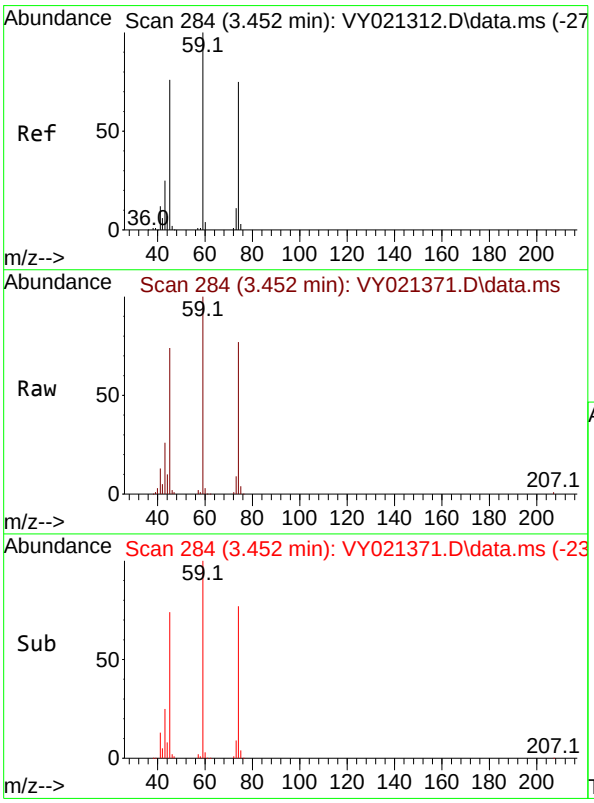
Ion	Ratio	Lower	Upper
101	100		
103	65.4	49.7	74.5

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

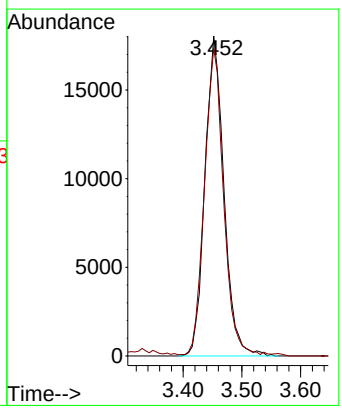


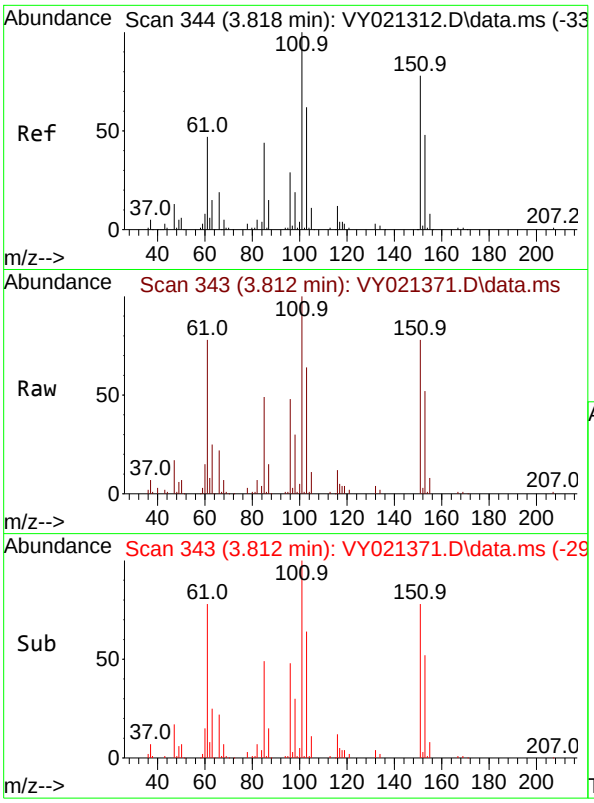


#8
Diethyl Ether
Concen: 52.901 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 74 Resp: 40642

Ion	Ratio	Lower	Upper
74	100		
45	95.4	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.912 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

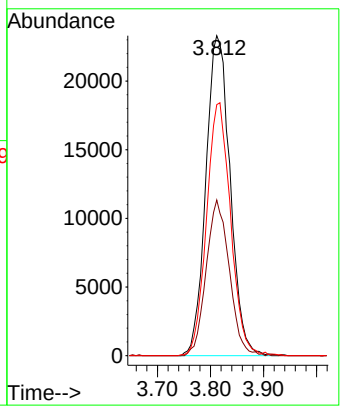
Tgt Ion:101 Resp: 7396

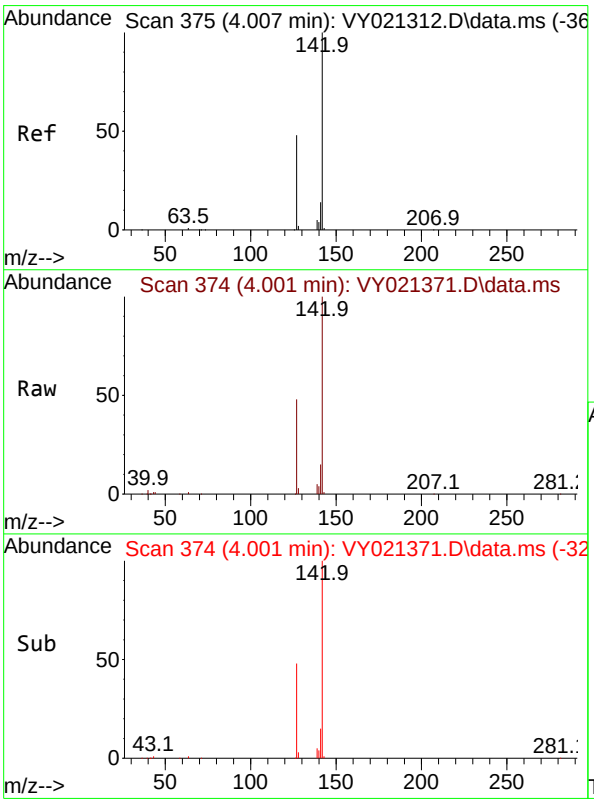
Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.7	55.1
151	78.6	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

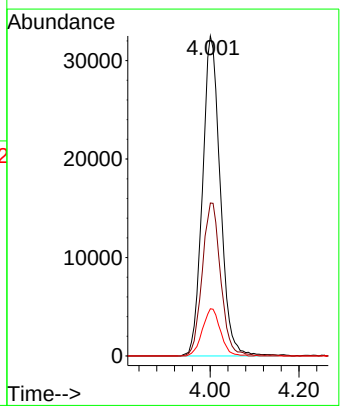


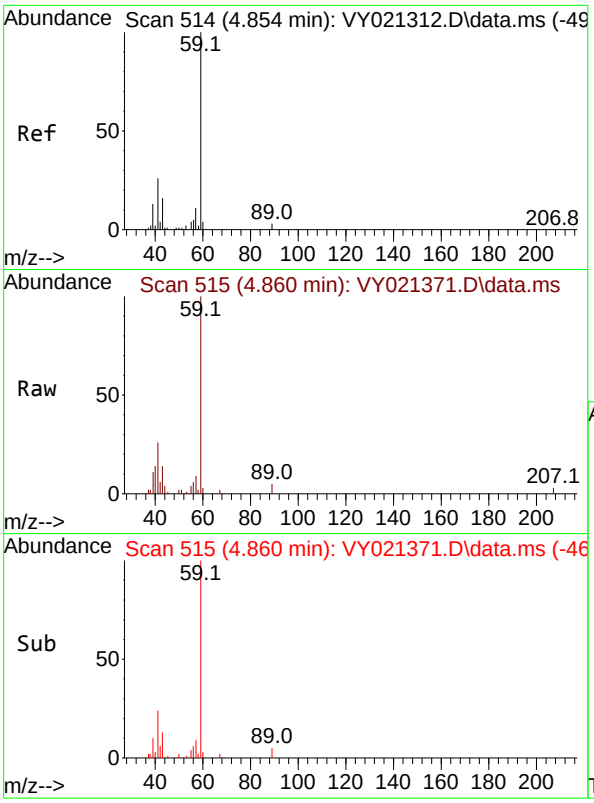


#10
Methyl Iodide
Concen: 58.124 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:142 Resp: 90623

Ion	Ratio	Lower	Upper
142	100		
127	49.4	39.2	58.8
141	14.9	11.4	17.2

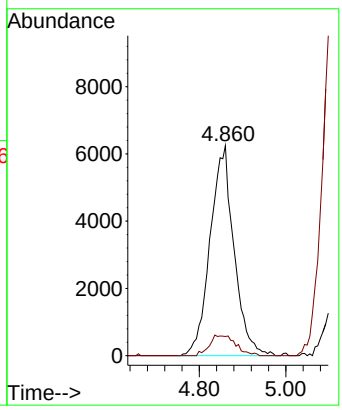




#11
Tert butyl alcohol
Concen: 194.625 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 59 Resp: 2395

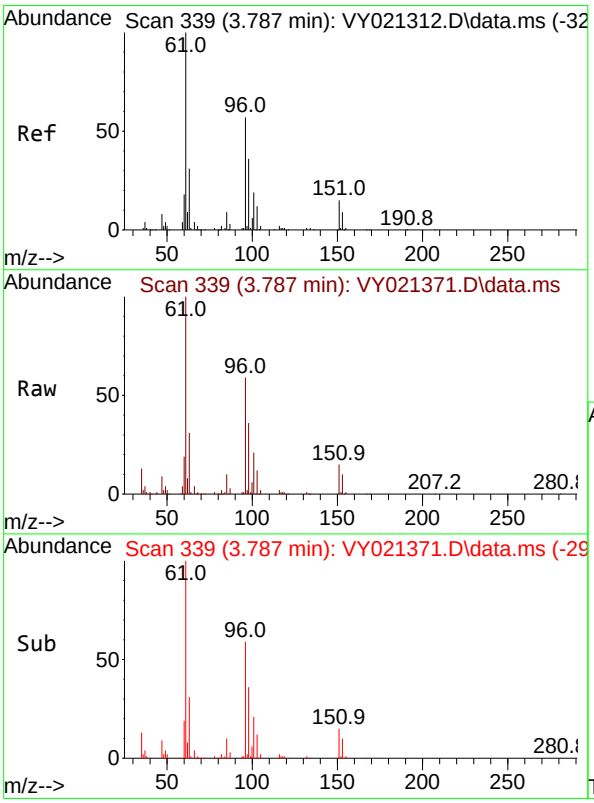
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

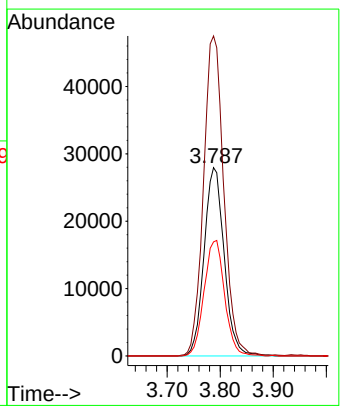
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

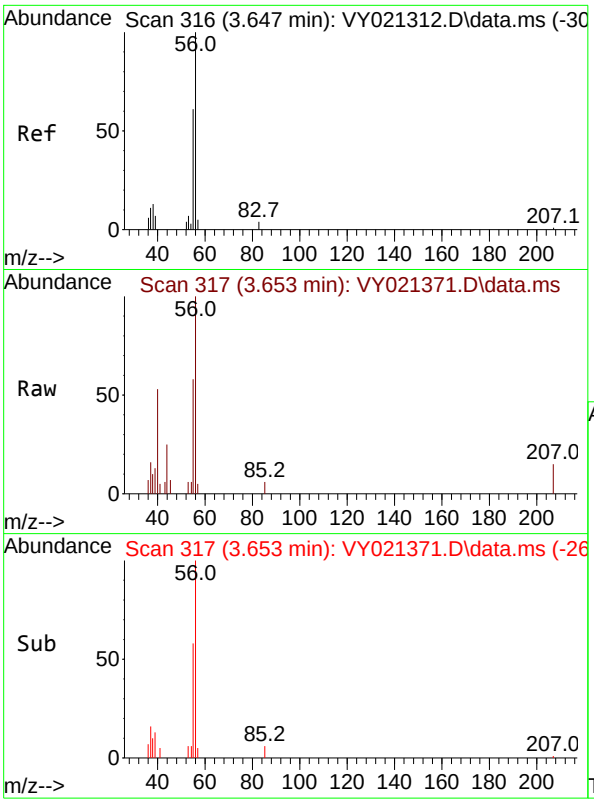


#12
1,1-Dichloroethene
Concen: 51.995 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 96 Resp: 73781

Ion	Ratio	Lower	Upper
96	100		
61	169.9	139.7	209.5
98	60.6	49.7	74.5

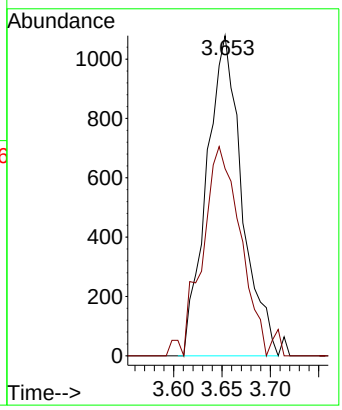




#13
Acrolein
Concen: 29.109 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 56 Resp: 274

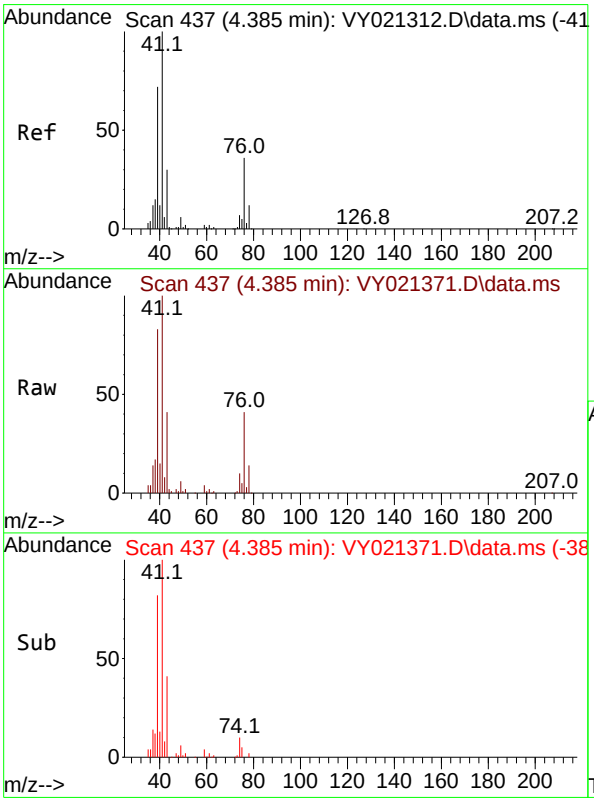
Ion	Ratio	Lower	Upper
56	100		
55	70.3	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

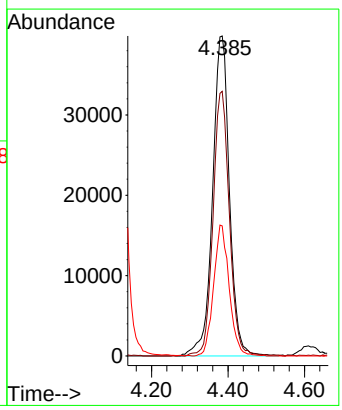
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

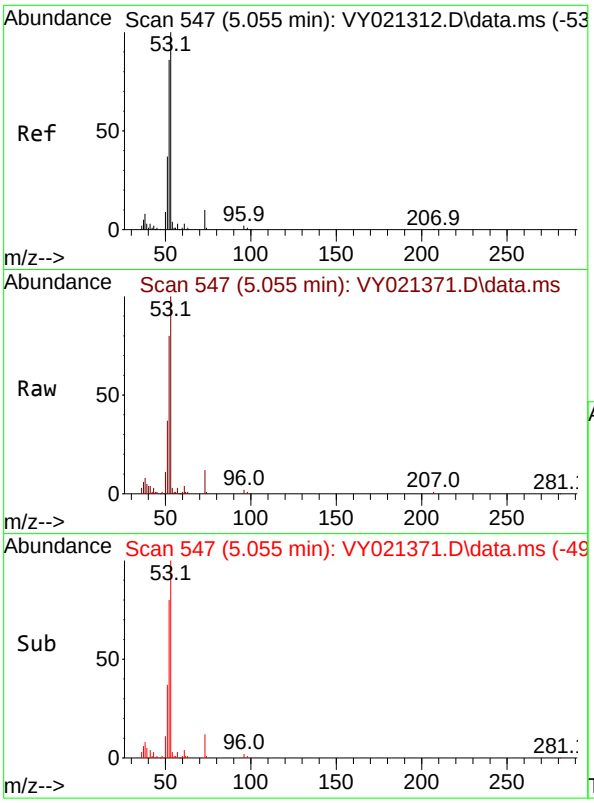


#14
Allyl chloride
Concen: 48.537 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 41 Resp: 122112

Ion	Ratio	Lower	Upper
41	100		
39	80.1	60.0	90.0
76	37.8	29.0	43.6





#15
Acrylonitrile
Concen: 230.923 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

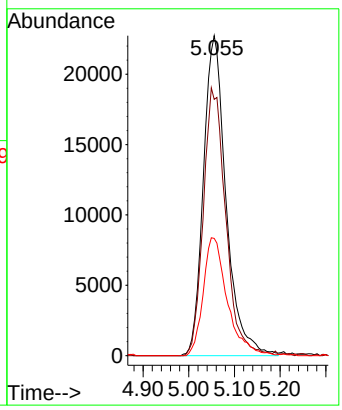
Tgt Ion: 53 Resp: 7844

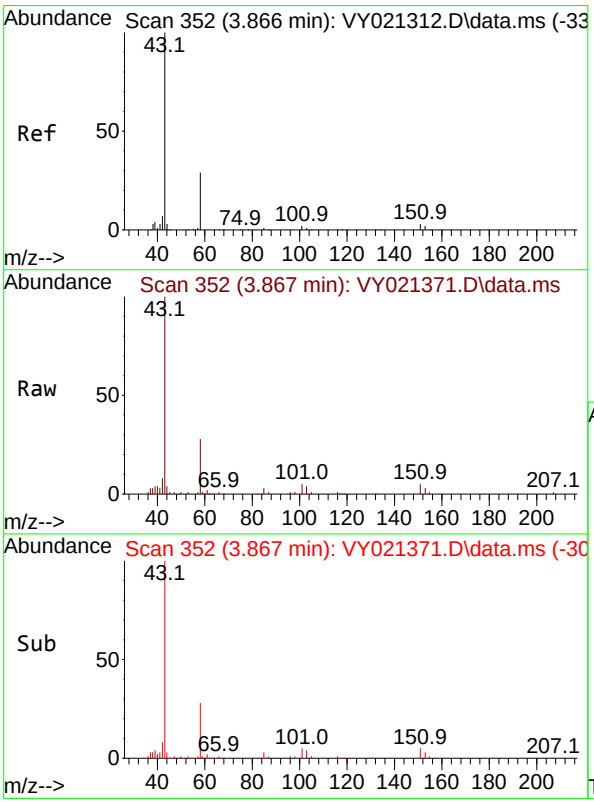
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.5	98.3
51	39.2	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

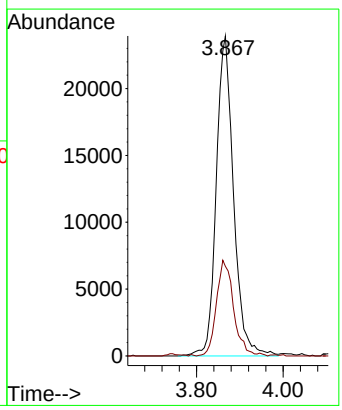


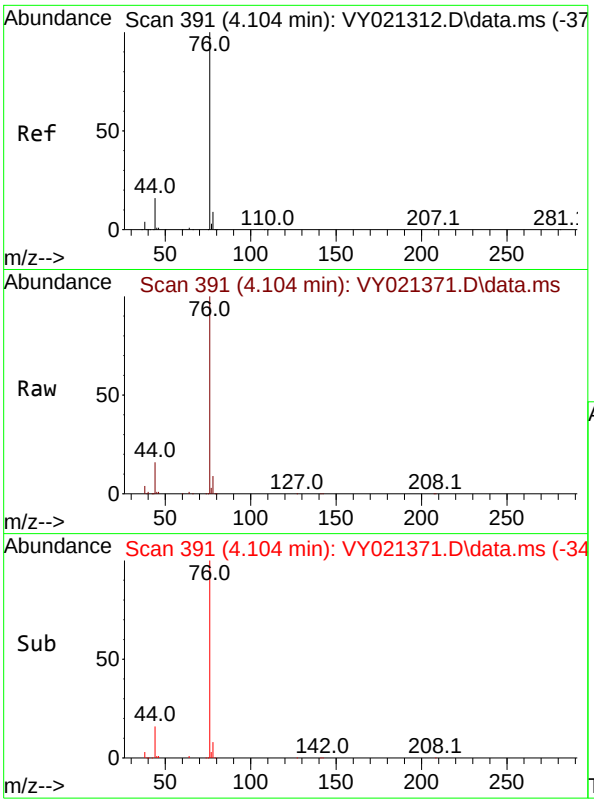


#16
Acetone
Concen: 216.735 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 43 Resp: 66513

Ion	Ratio	Lower	Upper
43	100		
58	27.8	23.5	35.3





#17
Carbon Disulfide
Concen: 48.856 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

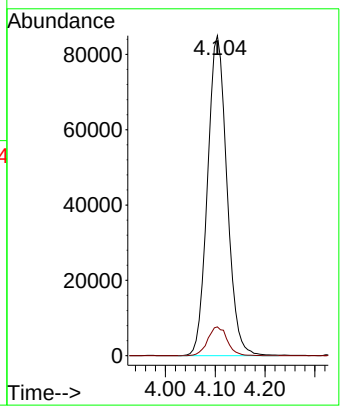
Tgt Ion: 76 Resp: 23020

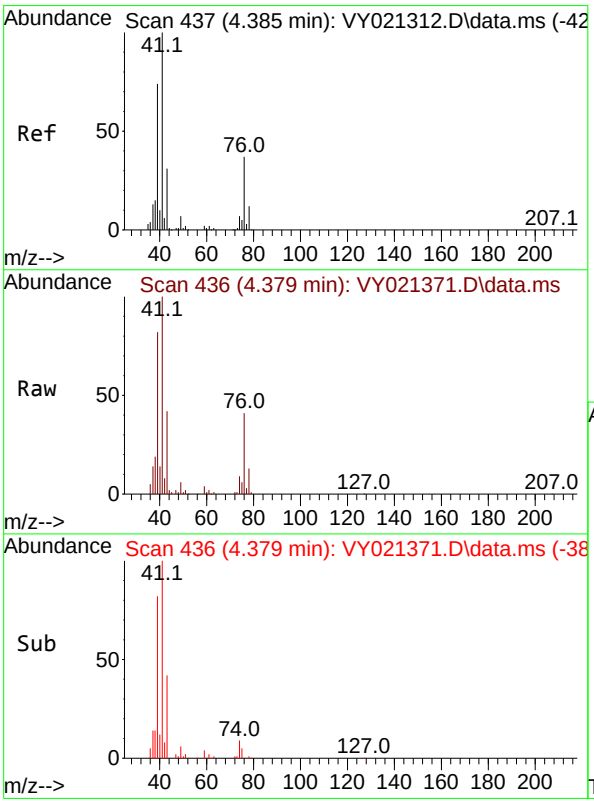
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

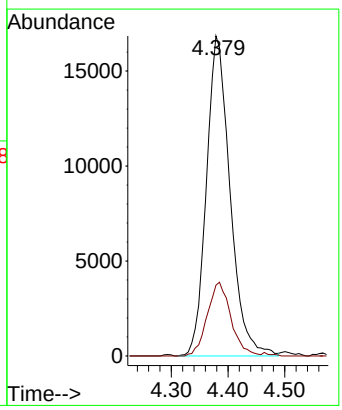


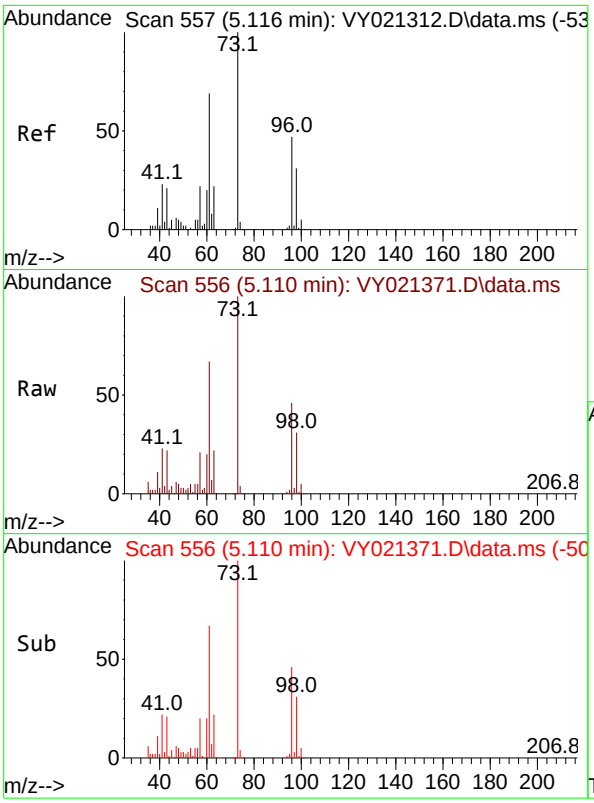


#18
Methyl Acetate
Concen: 65.091 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 43 Resp: 48818

Ion	Ratio	Lower	Upper
43	100		
74	23.0	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 53.108 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

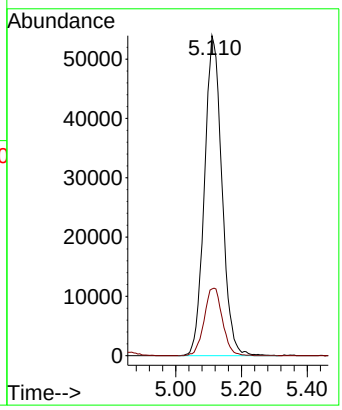
Tgt Ion: 73 Resp: 19910

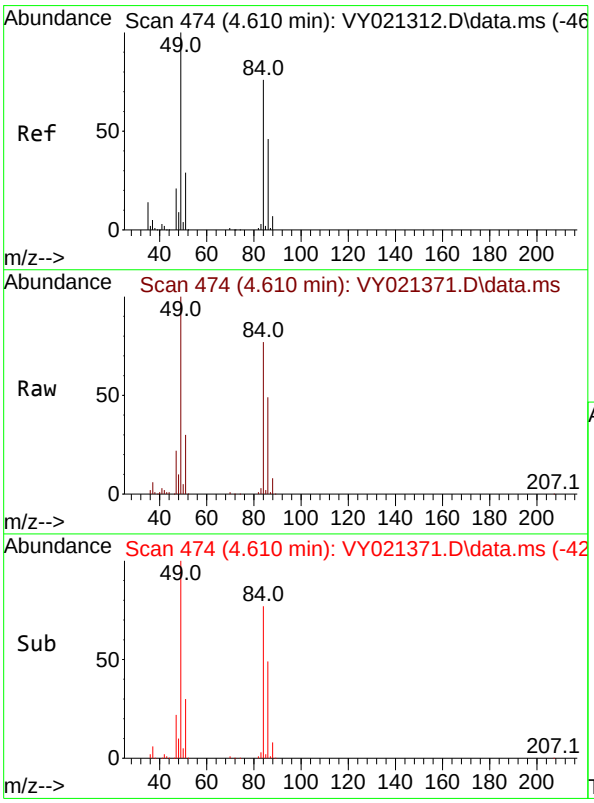
Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.4	26.0

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

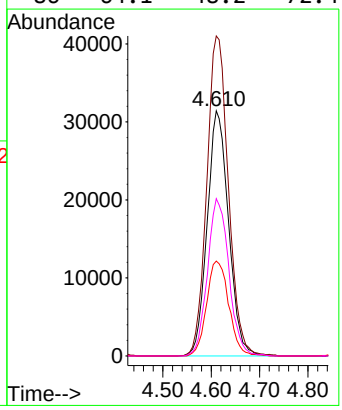


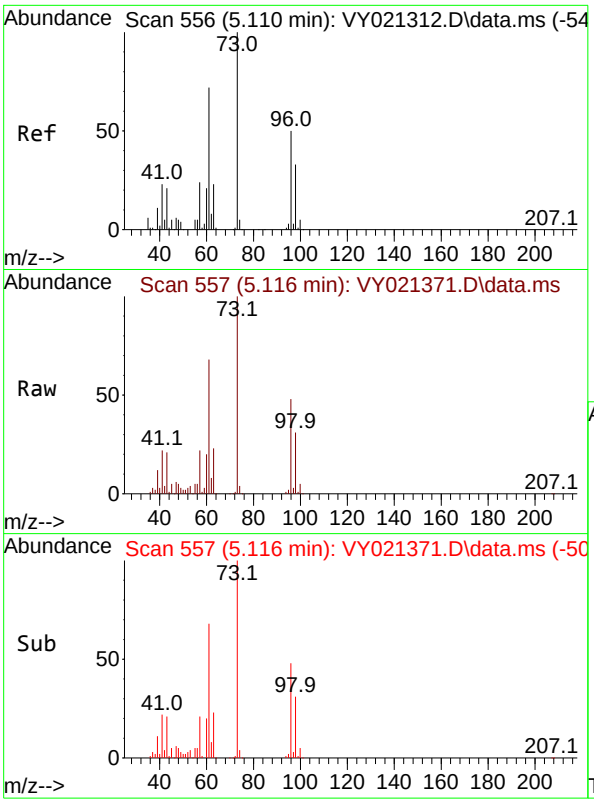


#20
Methylene Chloride
Concen: 58.126 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 84 Resp: 96460

Ion	Ratio	Lower	Upper
84	100		
49	130.5	105.1	157.7
51	38.7	31.0	46.4
86	64.1	48.2	72.4

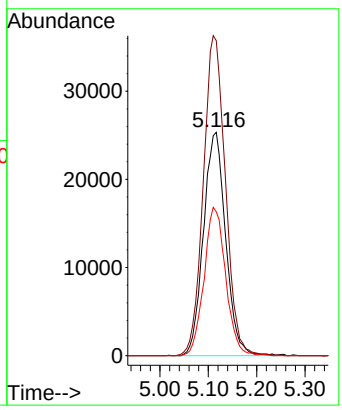




#21
trans-1,2-Dichloroethene
Concen: 51.793 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 96 Resp: 8090

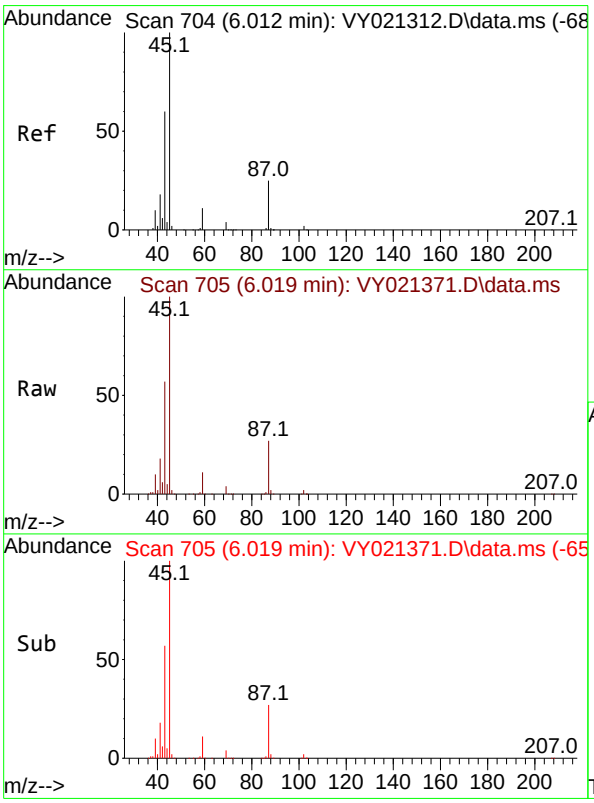
Ion	Ratio	Lower	Upper
96	100		
61	140.7	116.3	174.5
98	64.4	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

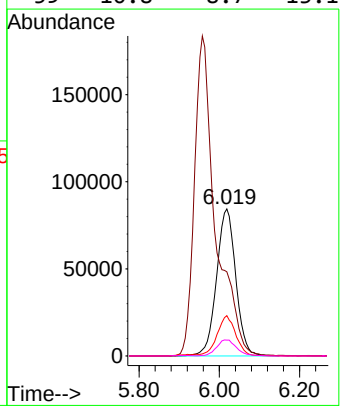
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

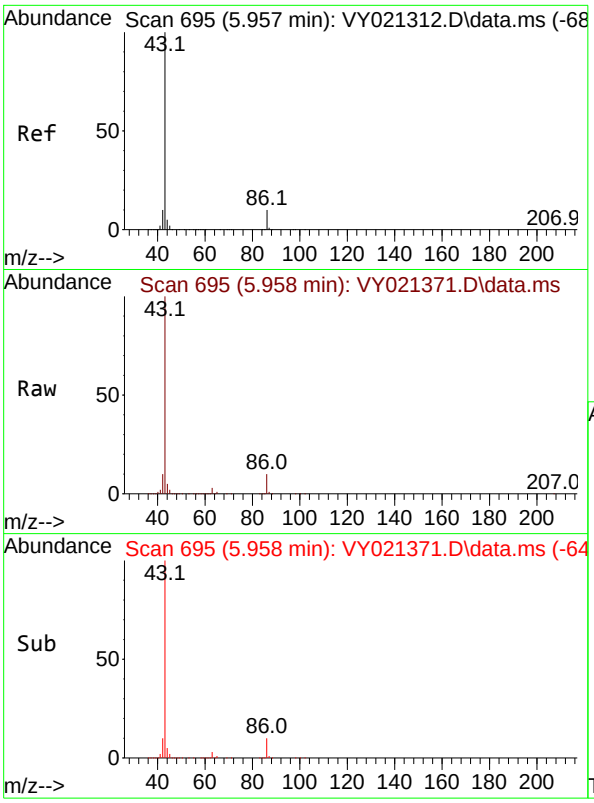


#22
Diisopropyl ether
Concen: 54.127 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 45 Resp: 281794

Ion	Ratio	Lower	Upper
45	100		
43	56.8	48.2	72.4
87	27.4	20.3	30.5
59	10.8	8.7	13.1





#23
Vinyl Acetate
Concen: 214.772 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

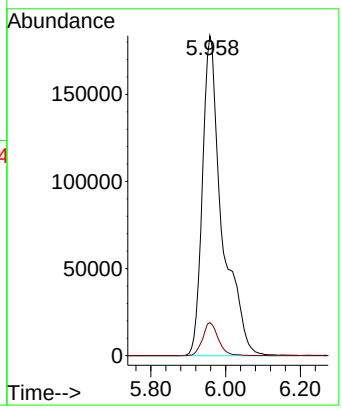
Tgt Ion: 43 Resp: 66816

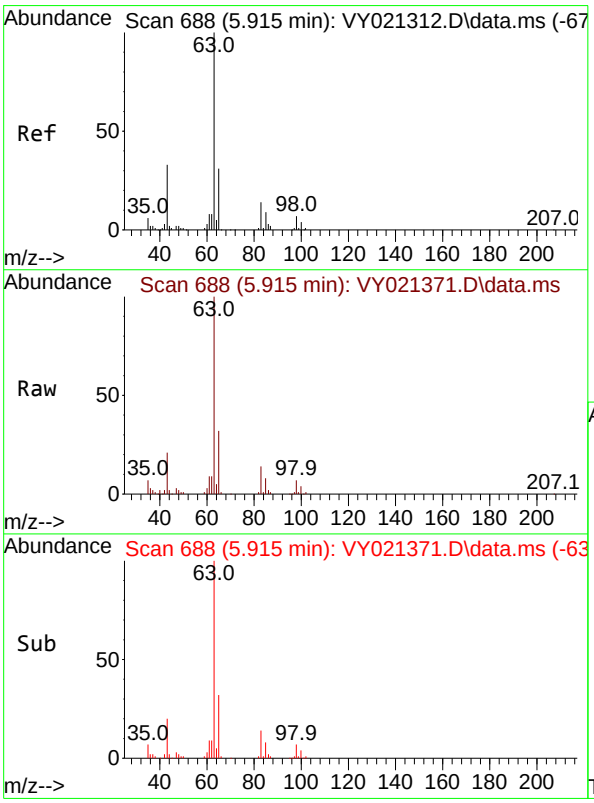
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

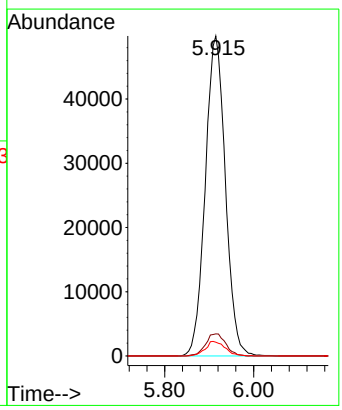


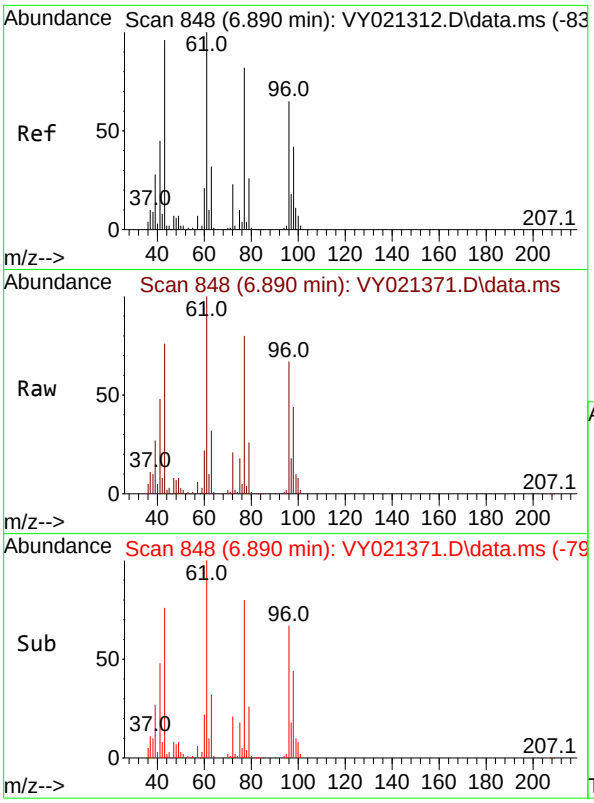


#24
1,1-Dichloroethane
Concen: 53.324 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 63 Resp: 156468

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.7	11.1
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 220.488 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

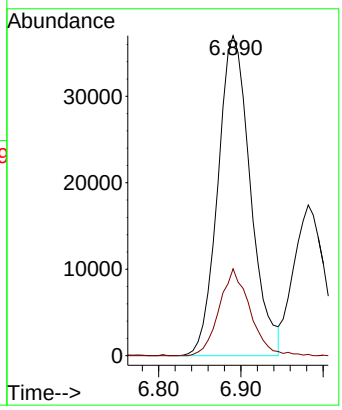
Tgt Ion: 43 Resp: 10212

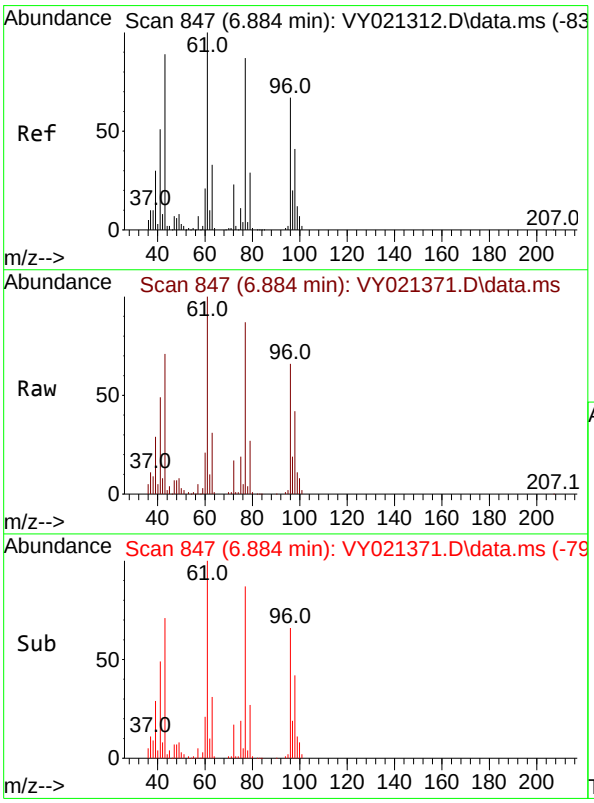
Ion	Ratio	Lower	Upper
43	100		
72	27.2	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

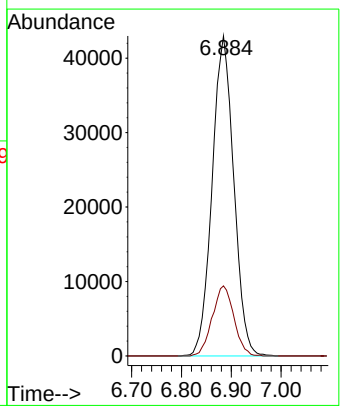


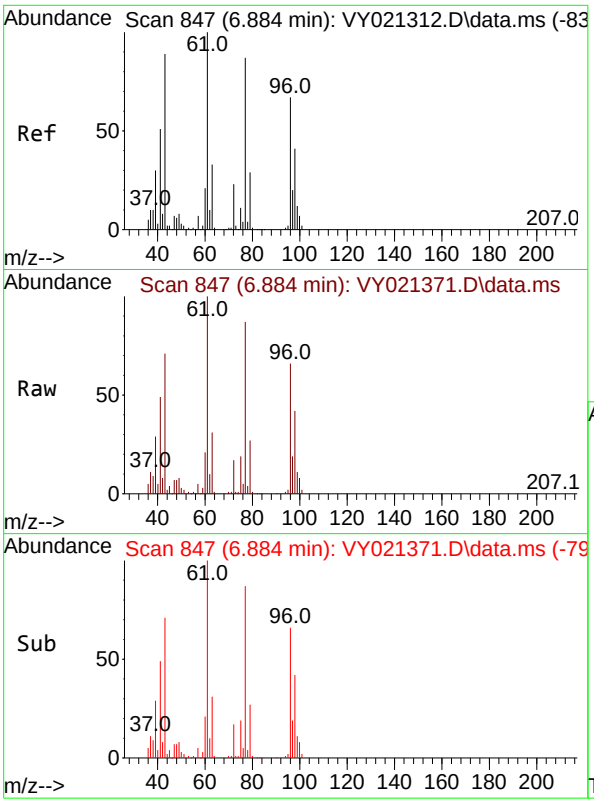


#26
2,2-Dichloropropane
Concen: 48.659 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 77 Resp: 129555

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 52.388 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

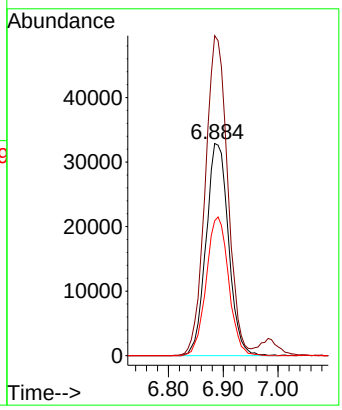
Tgt Ion: 96 Resp: 9345

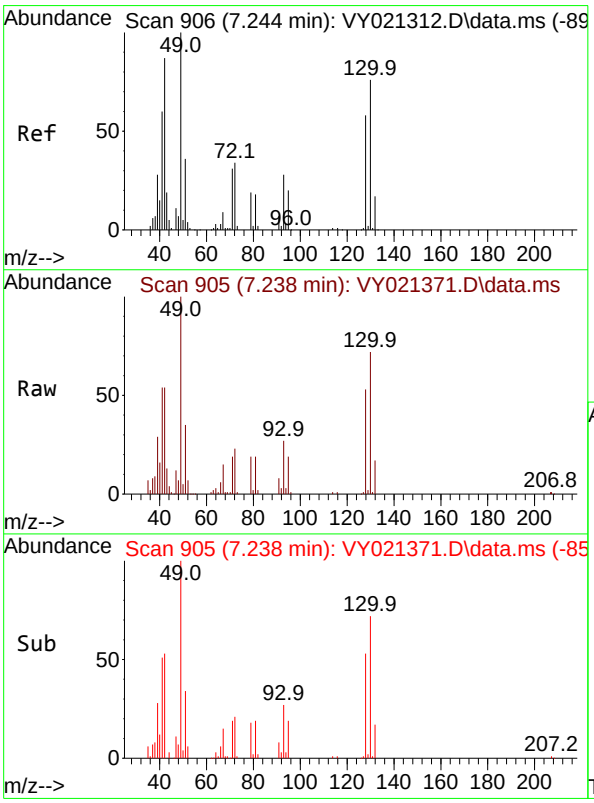
Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	308.0
98	65.2	0.0	129.6

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

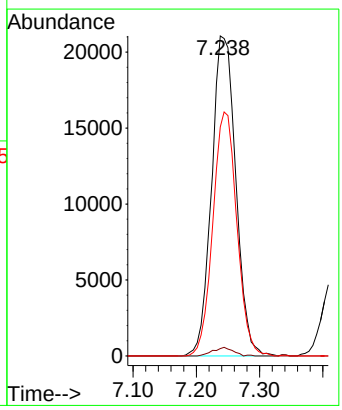


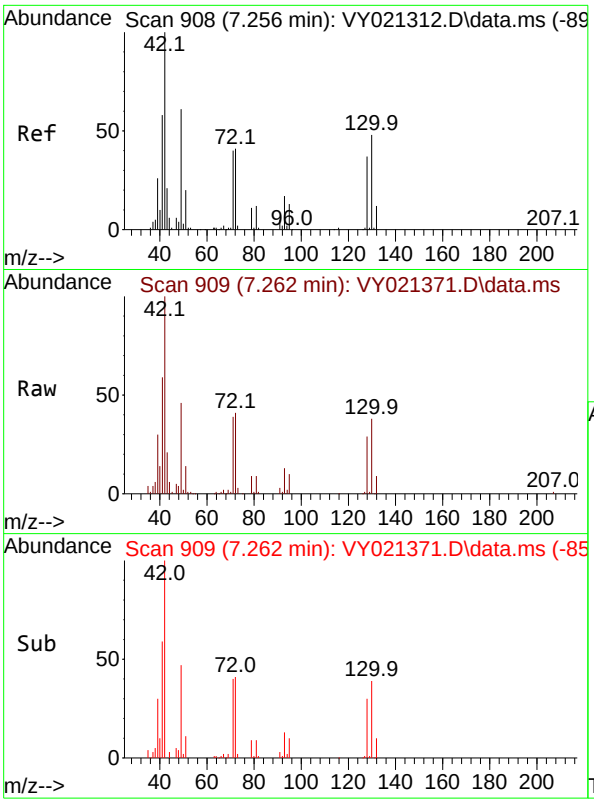


#28
Bromochloromethane
Concen: 43.156 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 49 Resp: 56032

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	75.4	57.8	86.6





#29
Tetrahydrofuran
Concen: 224.174 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

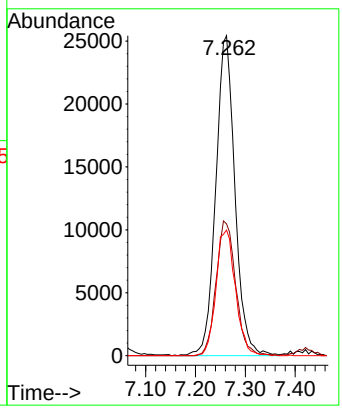
Tgt Ion: 42 Resp: 6786

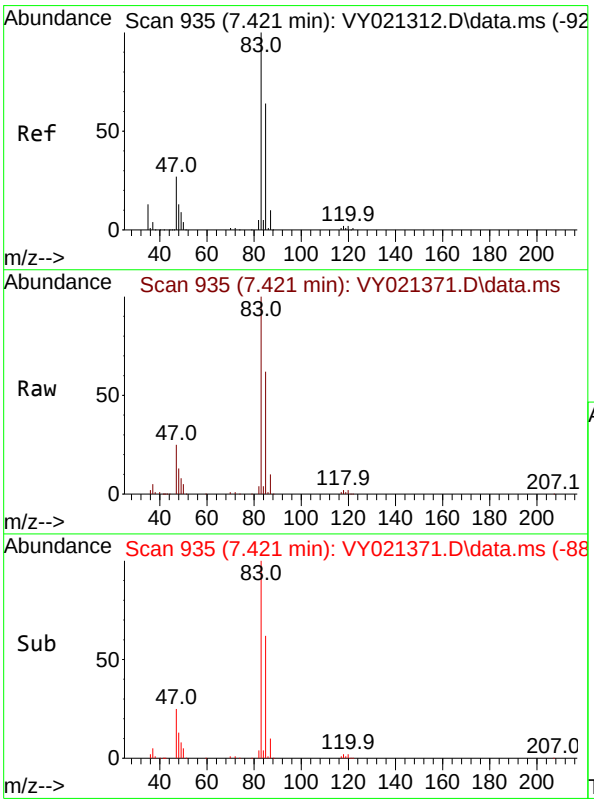
Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.1	49.7
71	40.0	31.4	47.0

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

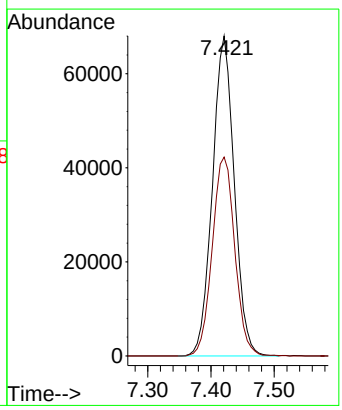


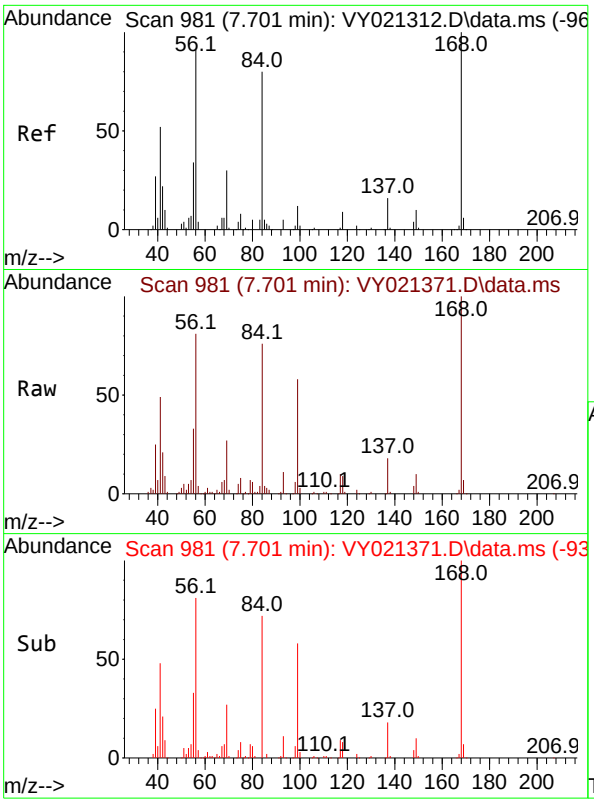


#30
Chloroform
Concen: 54.836 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 83 Resp: 163043

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.6	77.4





#31
Cyclohexane
Concen: 41.900 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

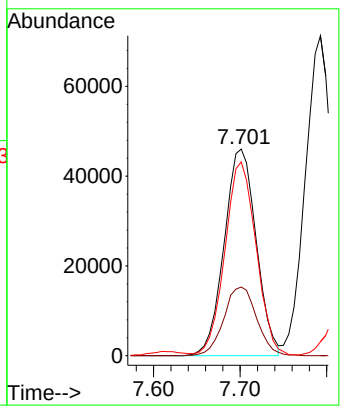
Tgt Ion: 56 Resp: 11818

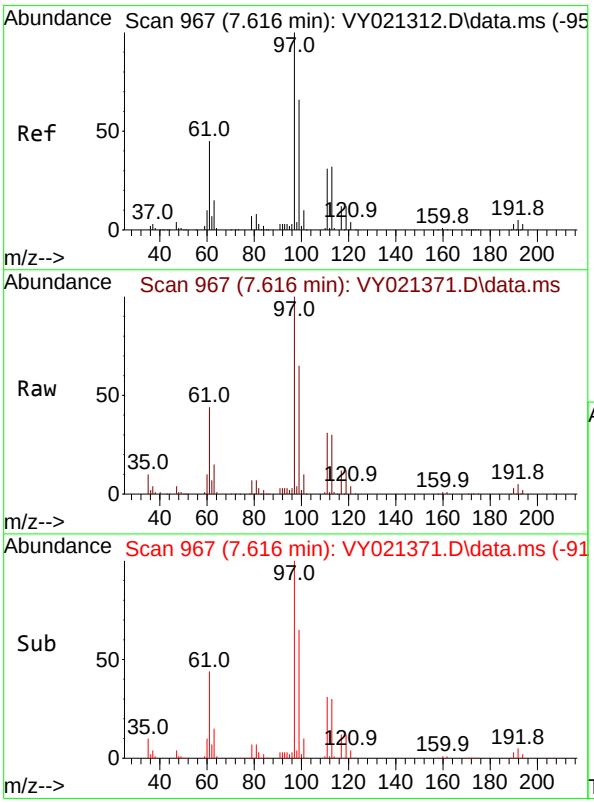
Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.2	39.4
84	92.3	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

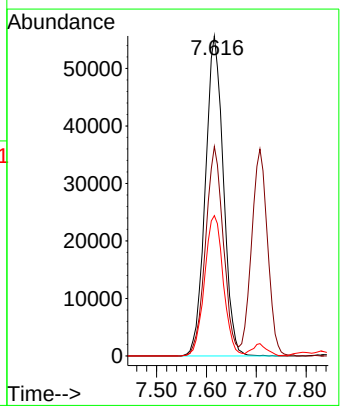


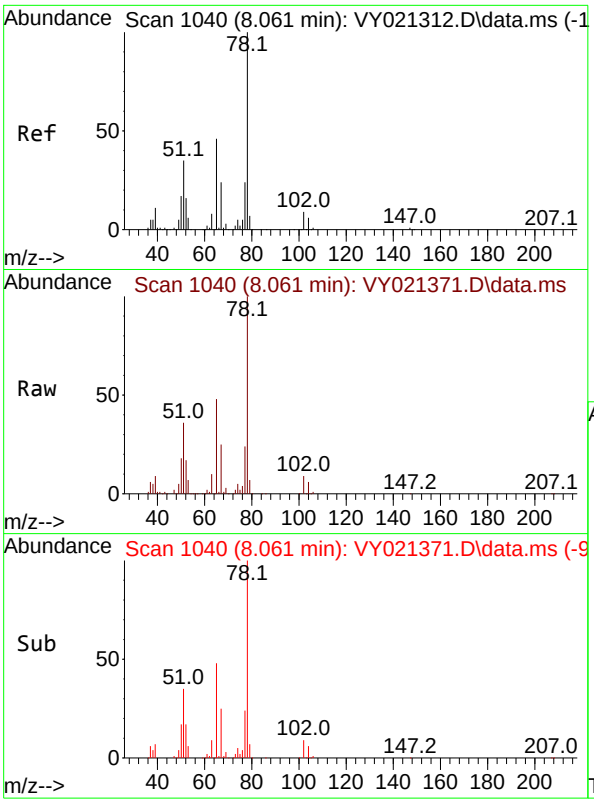


#32
1,1,1-Trichloroethane
Concen: 51.598 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 97 Resp: 139641

Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.4	78.6
61	45.7	36.2	54.2

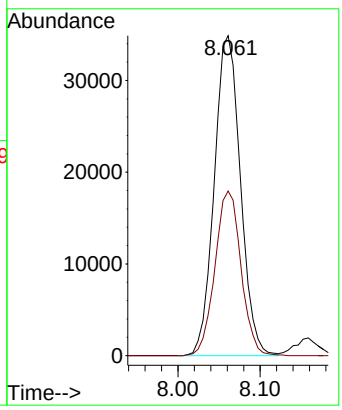




#33
1,2-Dichloroethane-d4
Concen: 48.272 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 65 Resp: 7722

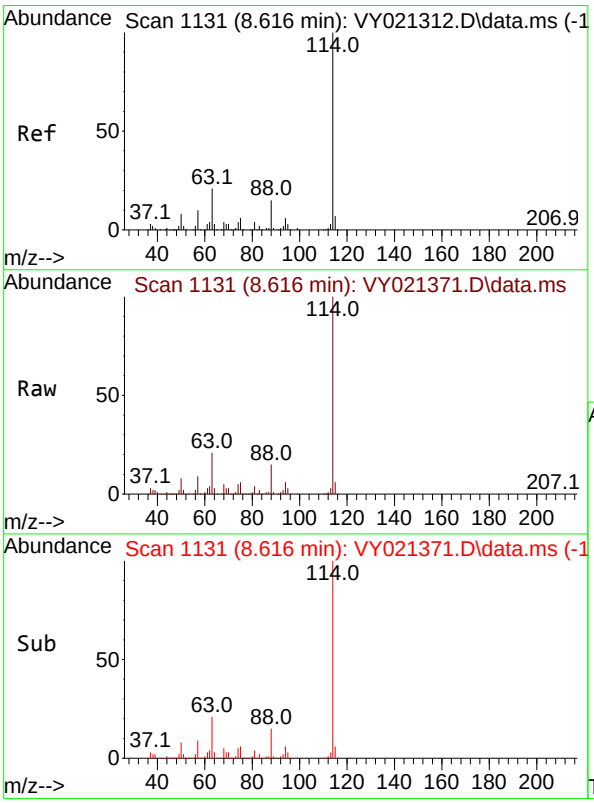
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

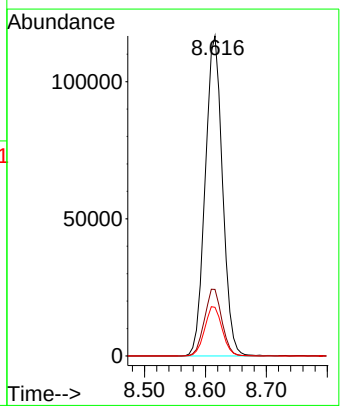
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

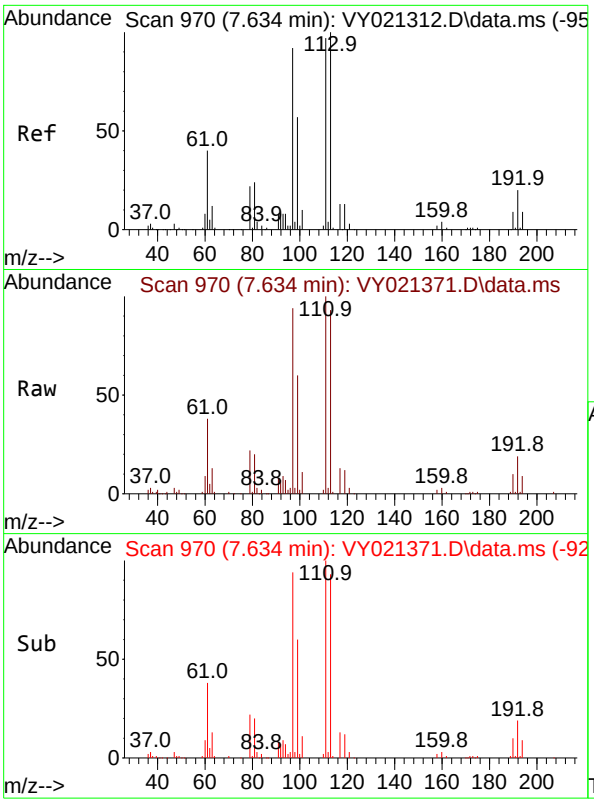


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:114 Resp: 230342

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.2
88	15.2	0.0	29.8

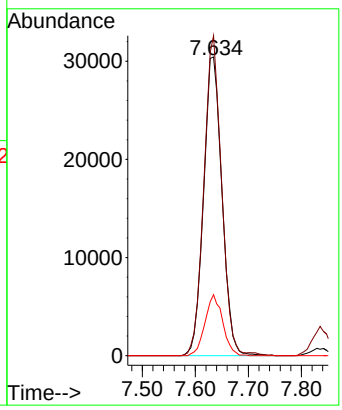




#35
Dibromofluoromethane
Concen: 48.643 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:113 Resp: 7345

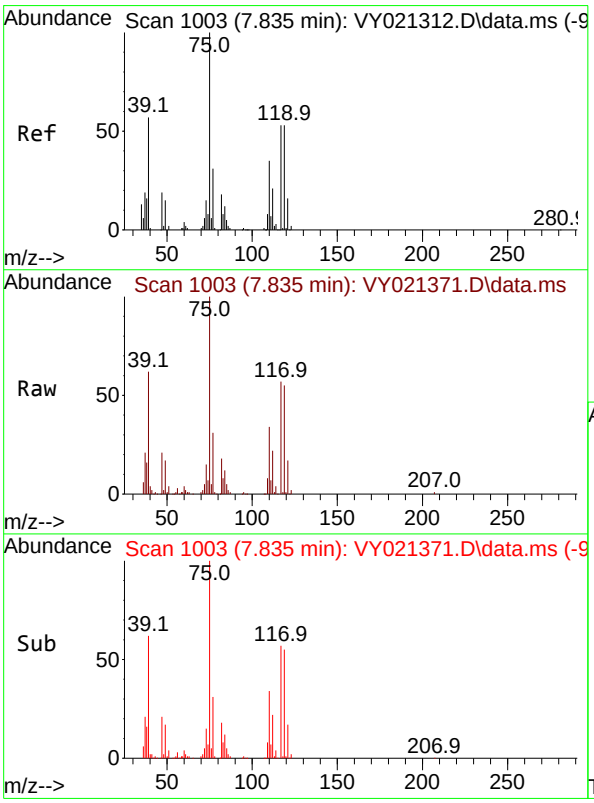
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.0	121.6
192	19.6	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

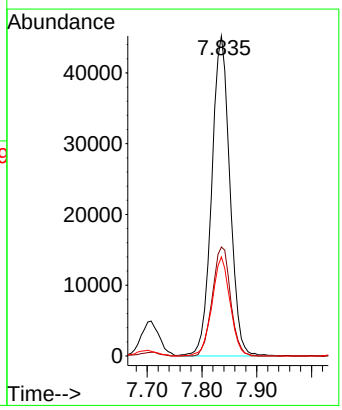
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

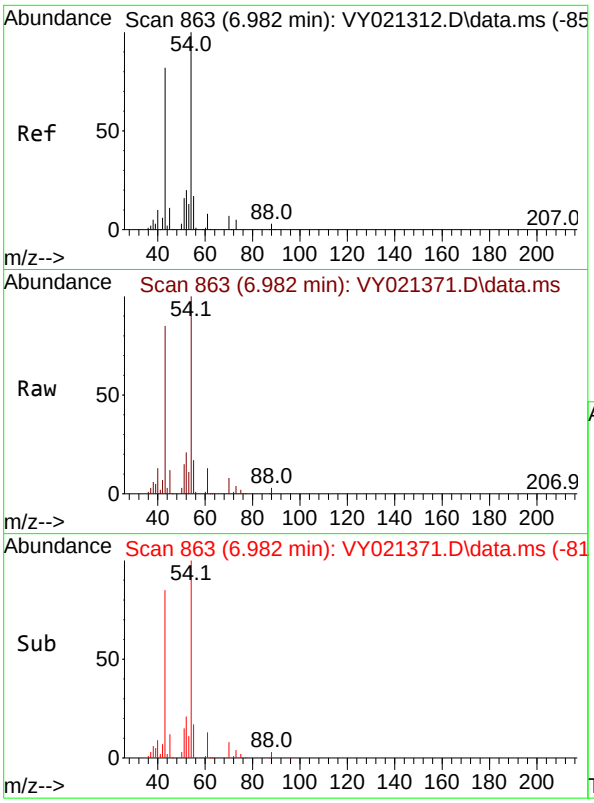


#36
1,1-Dichloropropene
Concen: 45.842 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 75 Resp: 103987

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.7
77	30.7	24.6	36.8





#37
Ethyl Acetate
Concen: 41.660 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

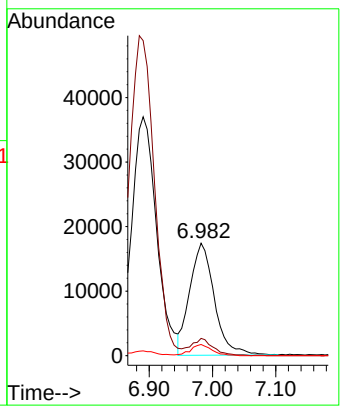
Tgt Ion: 43 Resp: 4700

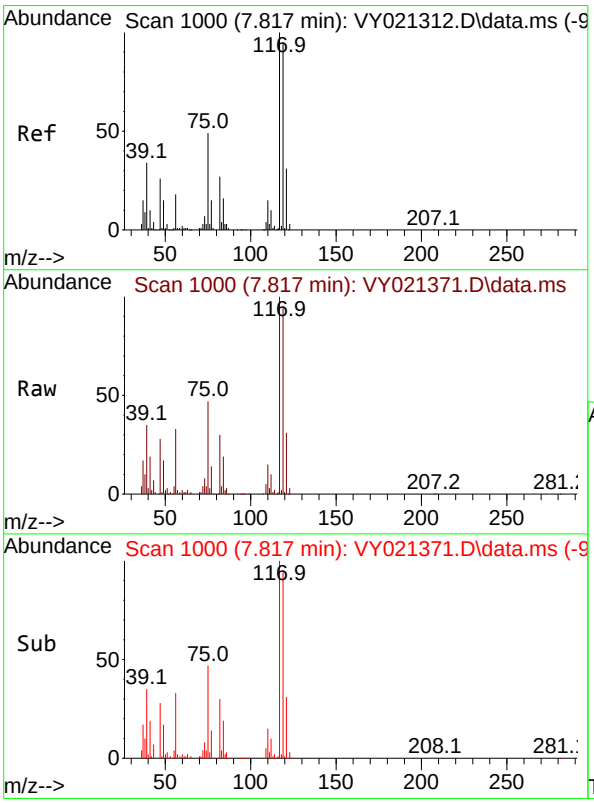
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.4	15.6
70	8.6	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

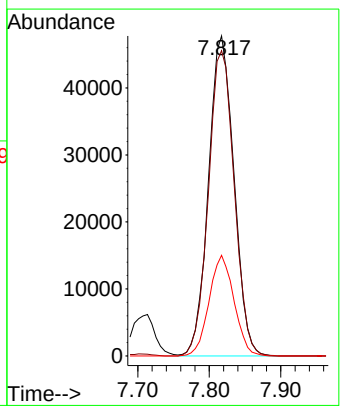


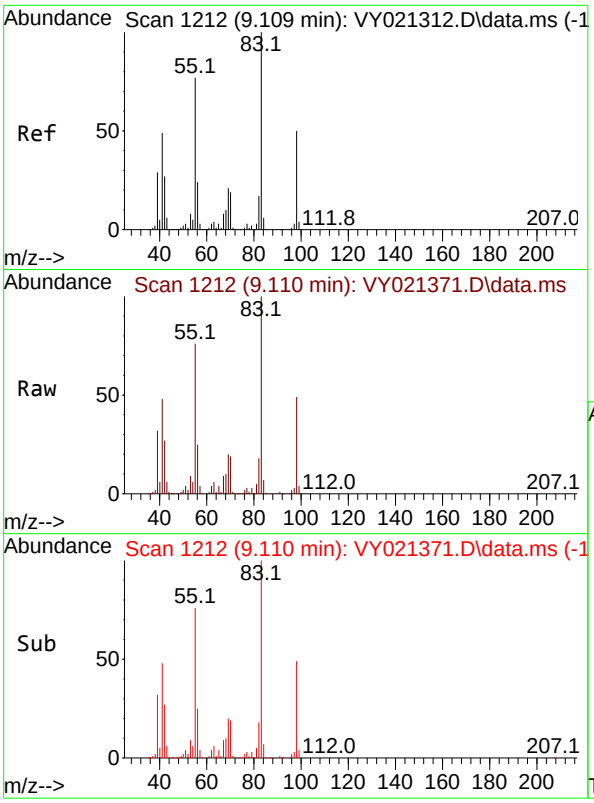


#38
Carbon Tetrachloride
Concen: 46.325 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:117 Resp: 118138

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.0	114.0
121	31.5	24.9	37.3





#39
Methylcyclohexane
Concen: 35.311 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

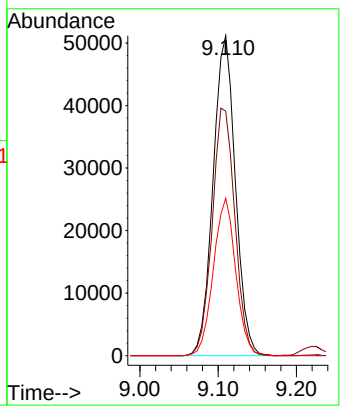
Tgt Ion: 83 Resp: 10131

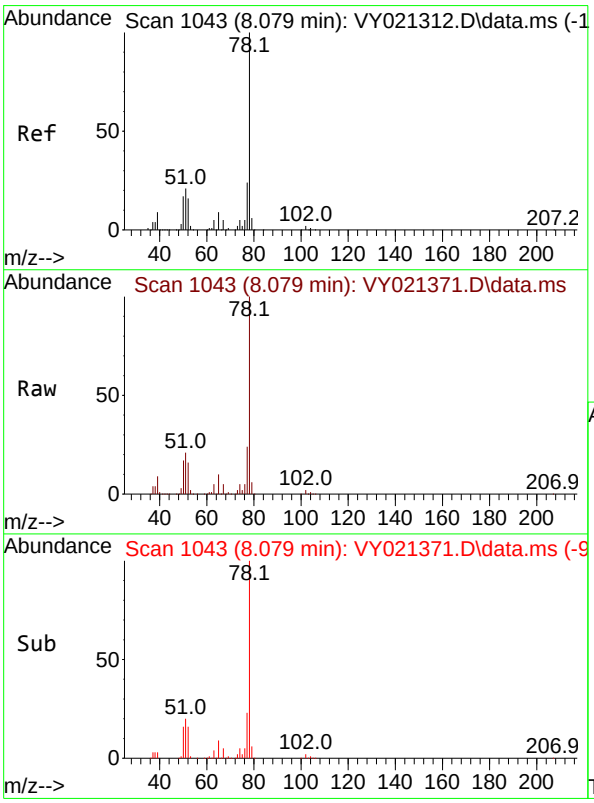
Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.3	91.9
98	49.2	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

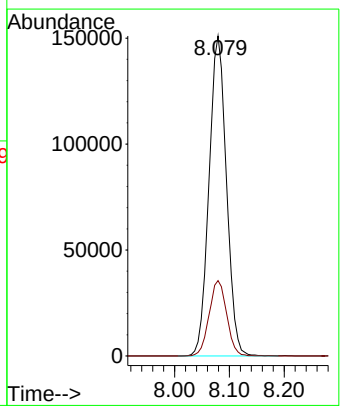


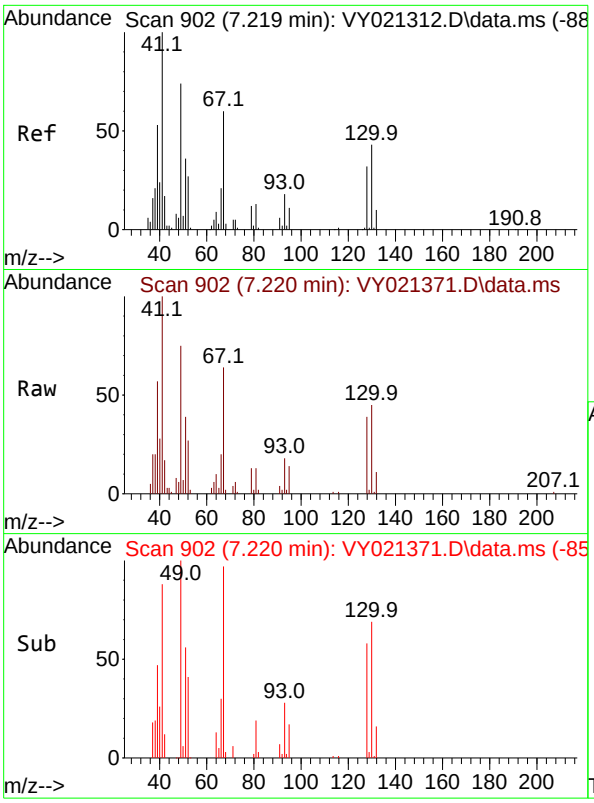


#40
Benzene
Concen: 49.613 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 78 Resp: 332686

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8

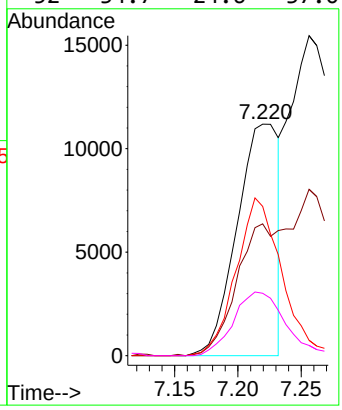




#41
Methacrylonitrile
Concen: 40.787 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 41 Resp: 2573

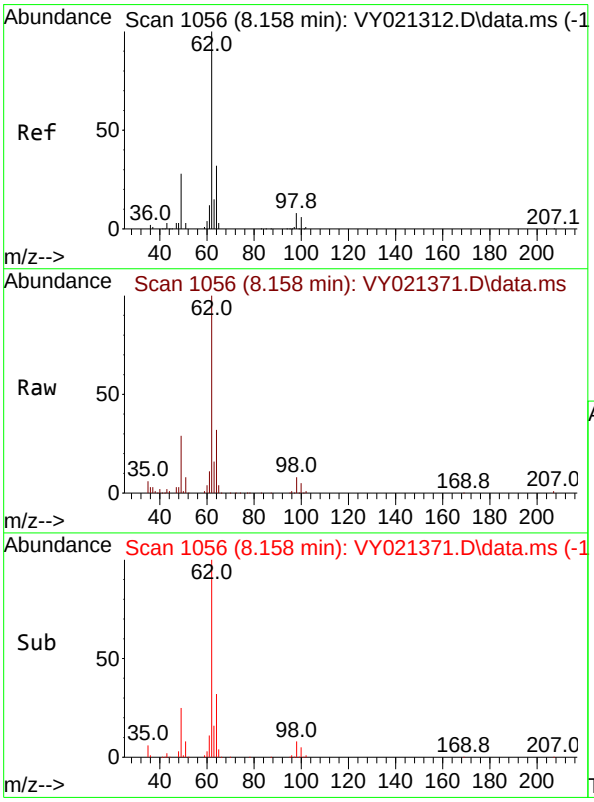
Ion	Ratio	Lower	Upper
41	100		
39	47.7	42.3	63.5
67	74.7	54.8	82.2
52	34.7	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

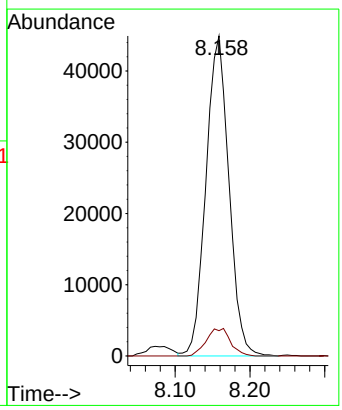
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

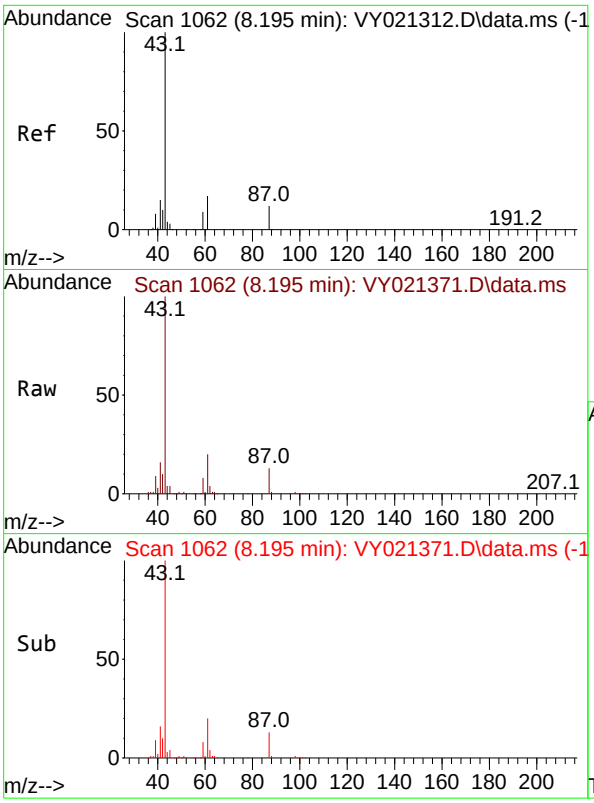


#42
1,2-Dichloroethane
Concen: 50.504 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 62 Resp: 96084

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6





#43
Isopropyl Acetate
Concen: 42.793 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

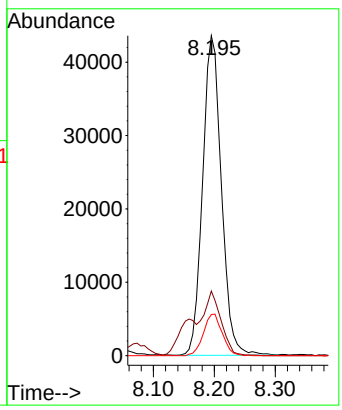
Tgt Ion: 43 Resp: 9346

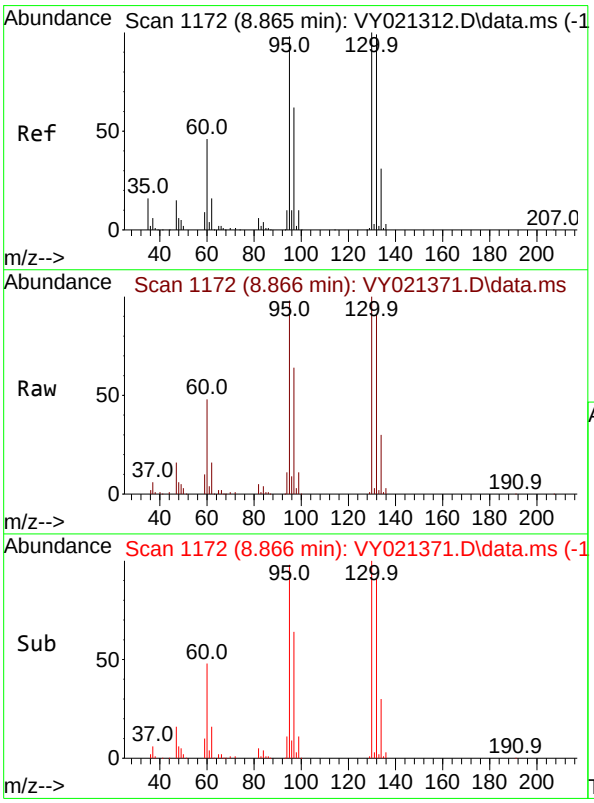
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.0	22.6
87	13.0	10.0	15.0

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

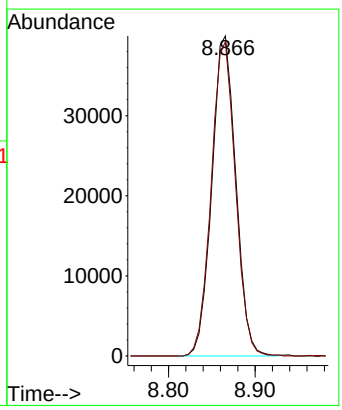


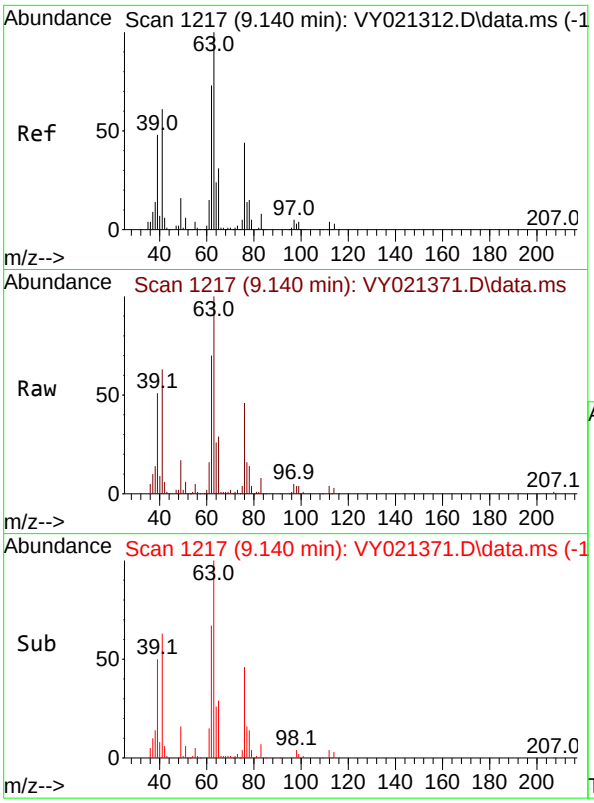


#44
Trichloroethene
Concen: 45.750 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:130 Resp: 76806

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	196.0





#45
1,2-Dichloropropane
Concen: 49.233 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

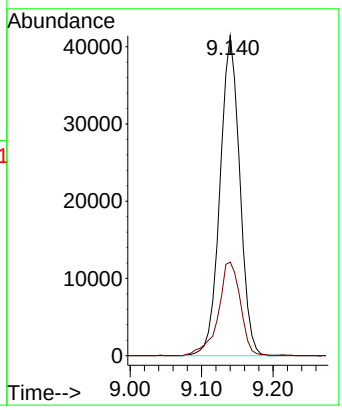
Tgt Ion: 63 Resp: 7944

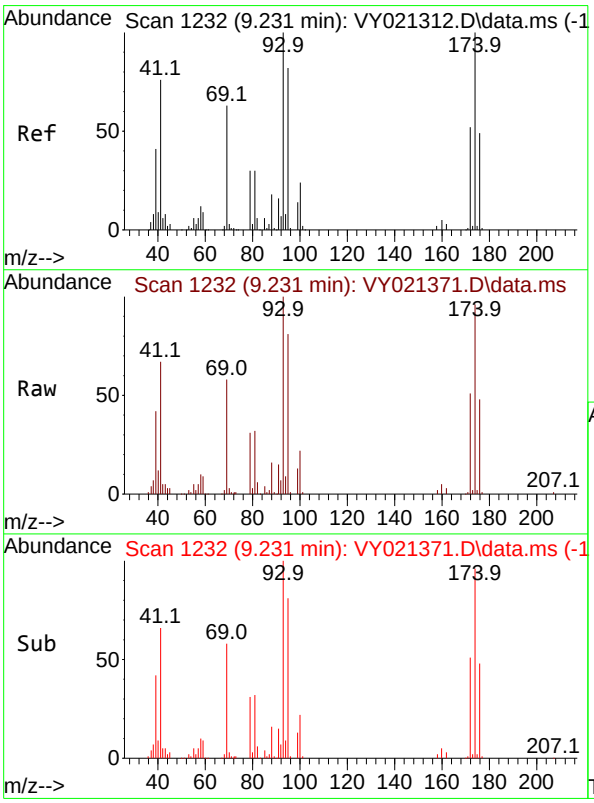
Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

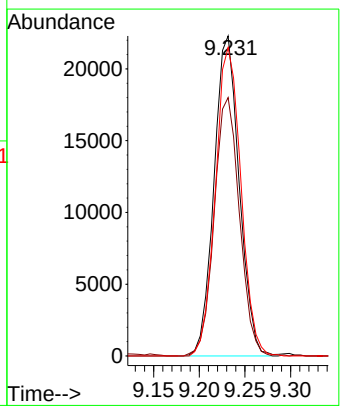


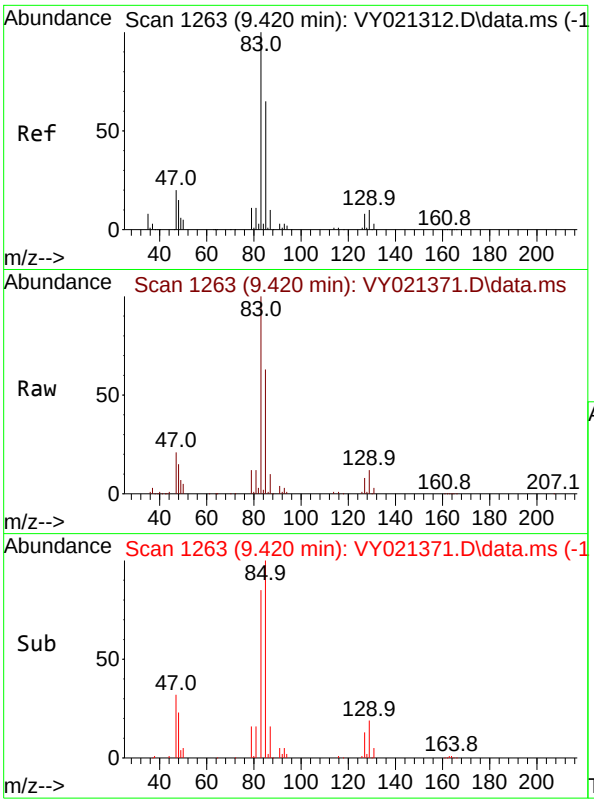


#46
Dibromomethane
Concen: 48.439 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 93 Resp: 42728

Ion	Ratio	Lower	Upper
93	100		
95	80.9	66.4	99.6
174	97.8	78.2	117.2

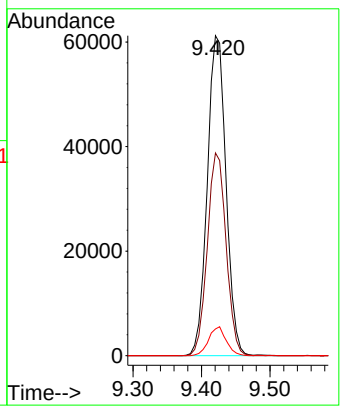




#47
Bromodichloromethane
Concen: 49.446 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 83 Resp: 11629

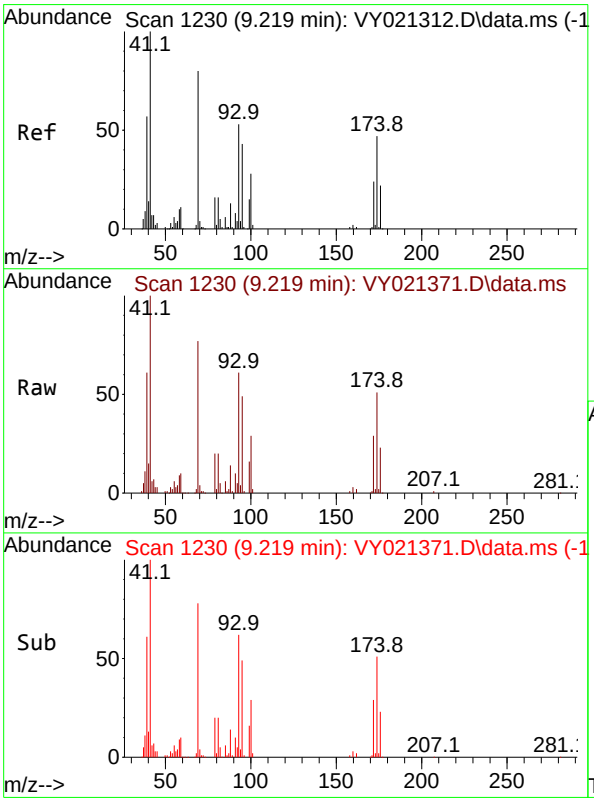
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.8
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

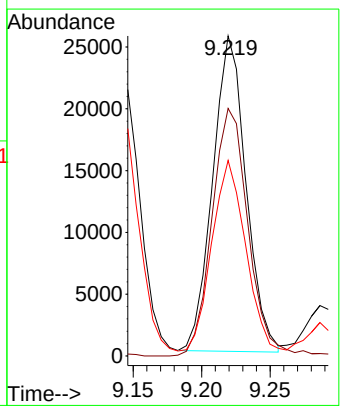
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

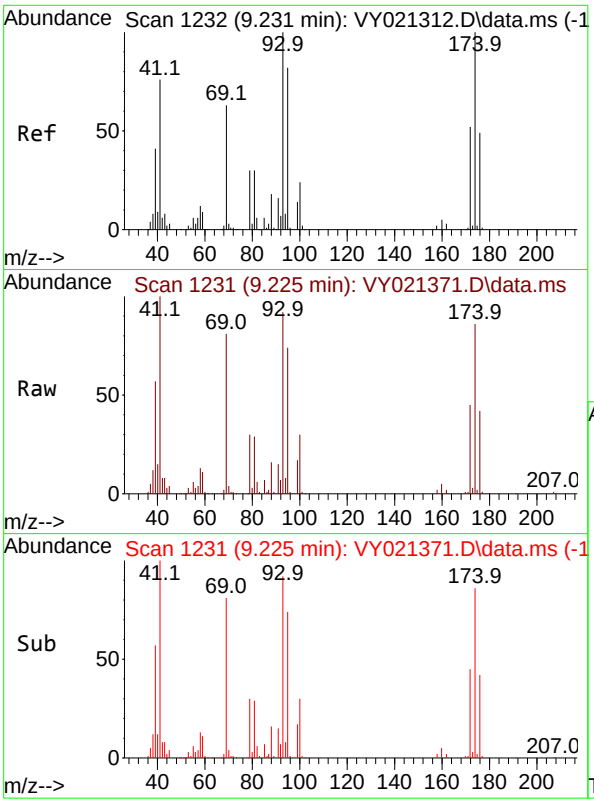


#48
Methyl methacrylate
Concen: 42.222 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 41 Resp: 43122

Ion	Ratio	Lower	Upper
41	100		
69	86.1	63.3	94.9
39	65.3	45.0	67.6





#49
1,4-Dioxane
Concen: 922.812 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

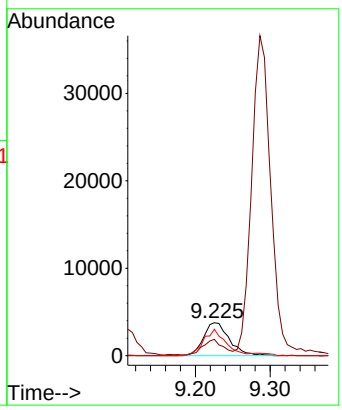
Tgt Ion: 88 Resp: 905

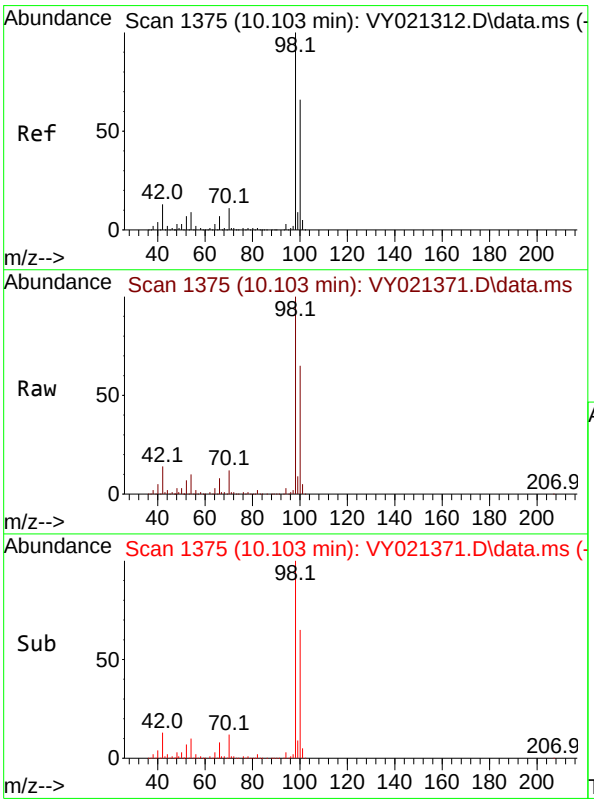
Ion	Ratio	Lower	Upper
88	100		
43	37.0	34.8	52.2
58	69.5	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

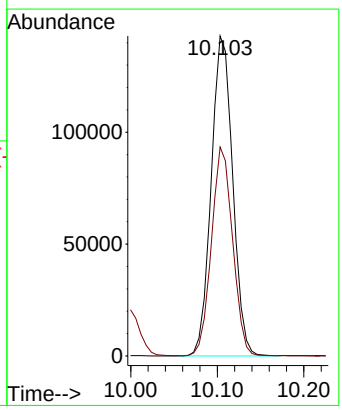


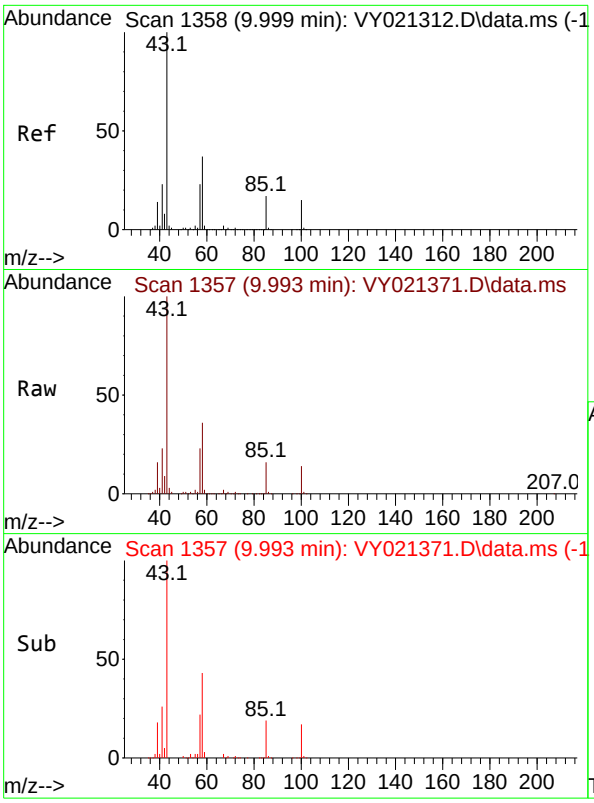


#50
Toluene-d8
Concen: 42.158 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 98 Resp: 246044

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.4	78.6





#51
4-Methyl-2-Pentanone
Concen: 215.981 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

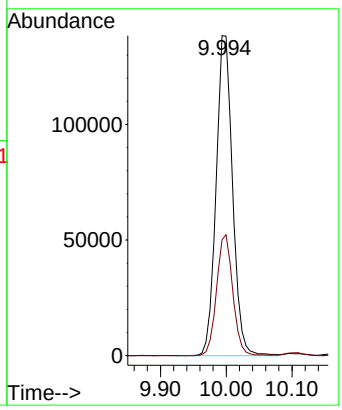
Tgt Ion: 43 Resp: 24146

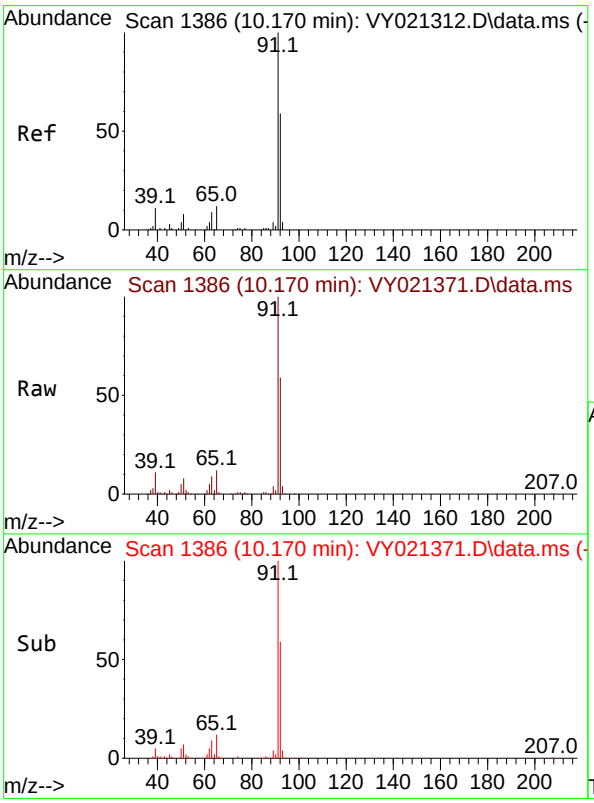
Ion	Ratio	Lower	Upper
43	100		
58	37.2	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

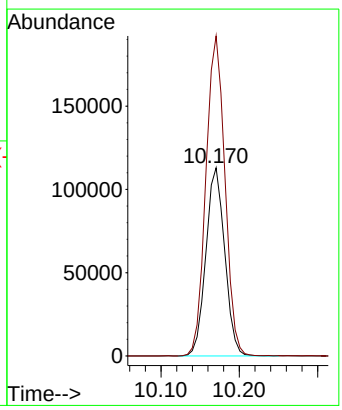


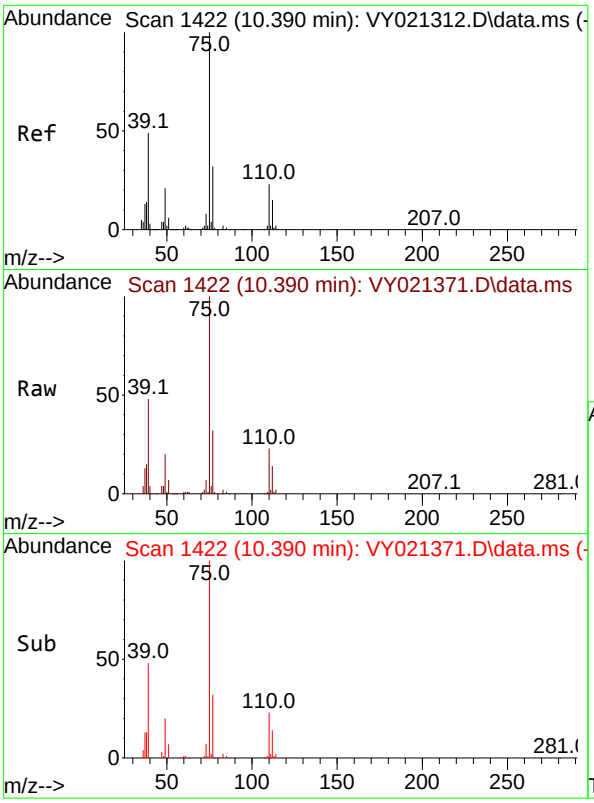


#52
Toluene
Concen: 45.270 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 92 Resp: 188579

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.8	206.8





#53
t-1,3-Dichloropropene
Concen: 44.446 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

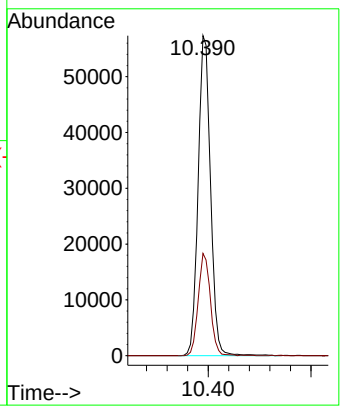
Tgt Ion: 75 Resp: 9577

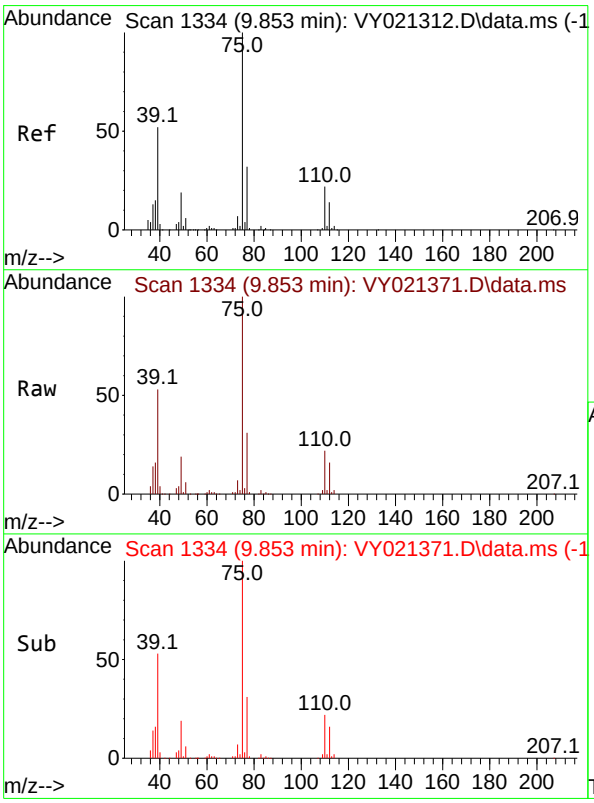
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

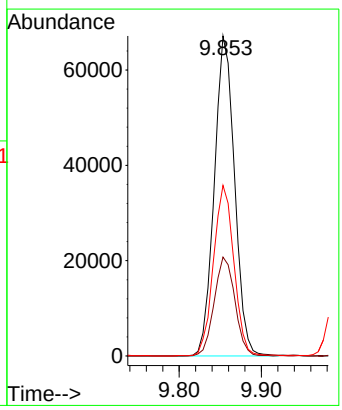


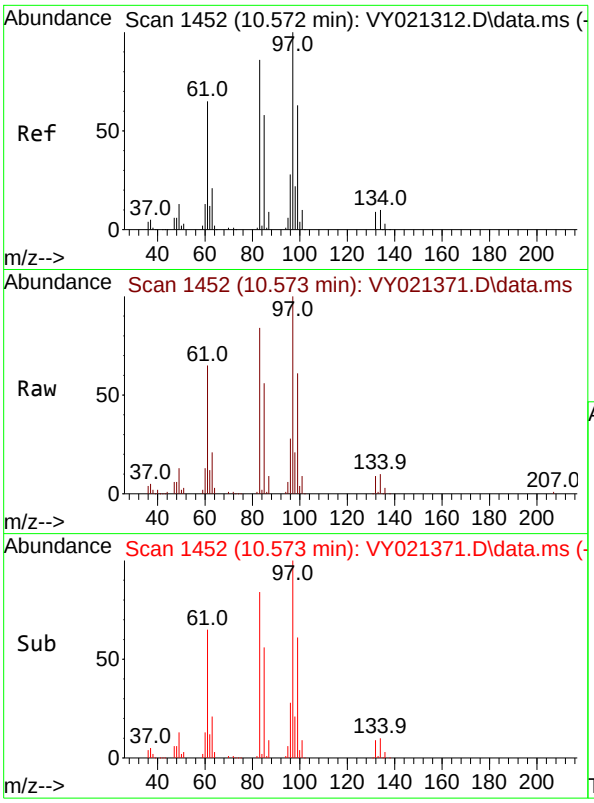


#54
cis-1,3-Dichloropropene
Concen: 45.342 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 75 Resp: 115346

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.7	38.5
39	53.2	41.8	62.6

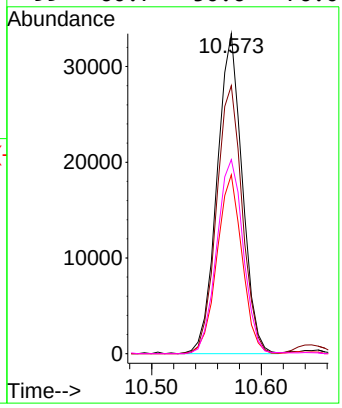




#55
1,1,2-Trichloroethane
Concen: 46.500 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 97 Resp: 5343

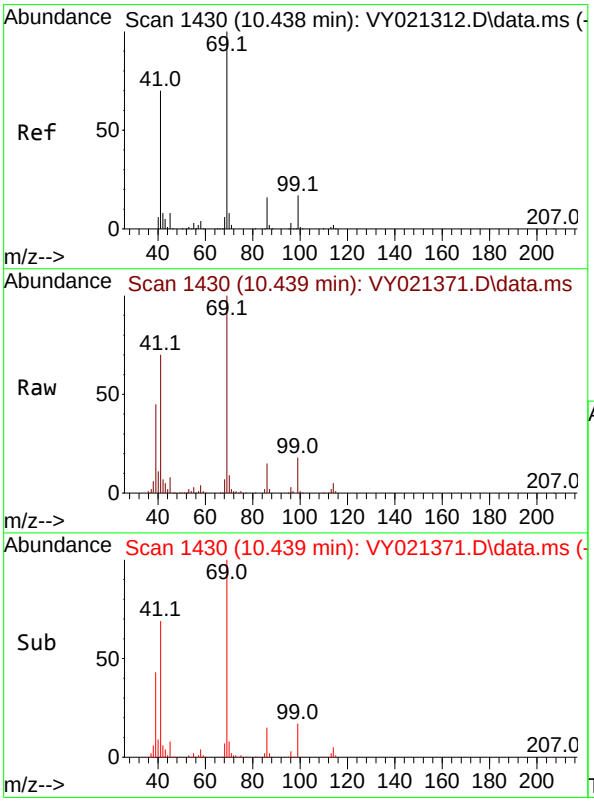
Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.7	103.1
85	55.9	46.3	69.5
99	60.7	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

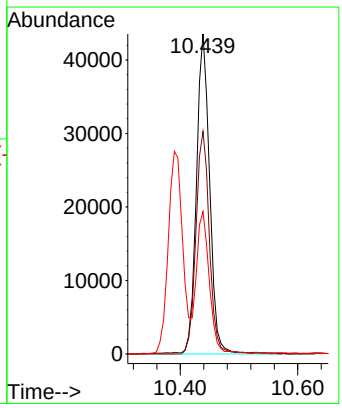
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

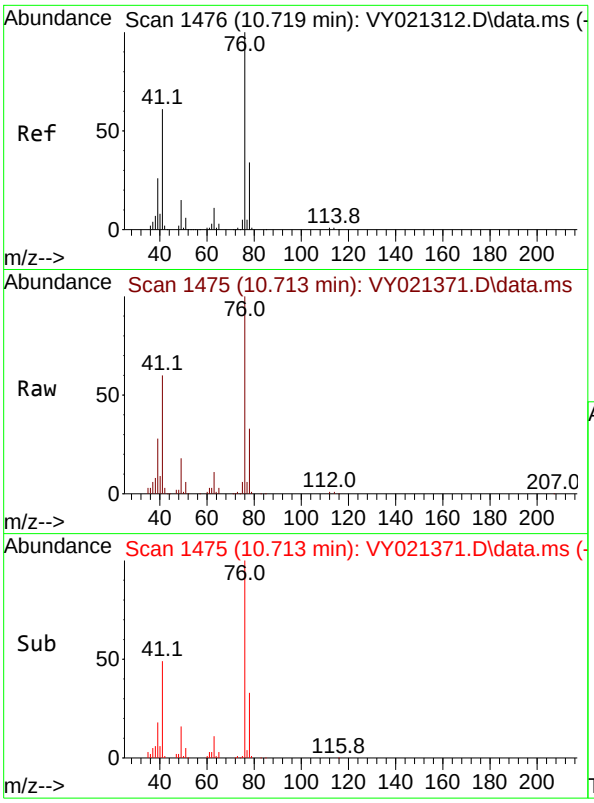


#56
Ethyl methacrylate
Concen: 42.701 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 69 Resp: 67800

Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.2	84.4
39	42.1	32.7	49.1

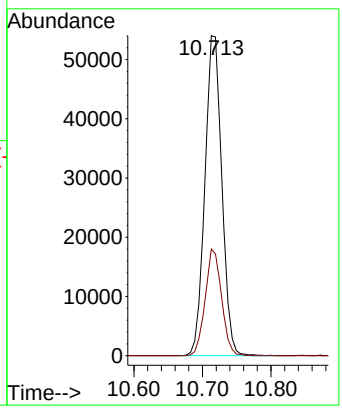




#57
1,3-Dichloropropane
Concen: 46.182 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 76 Resp: 9312

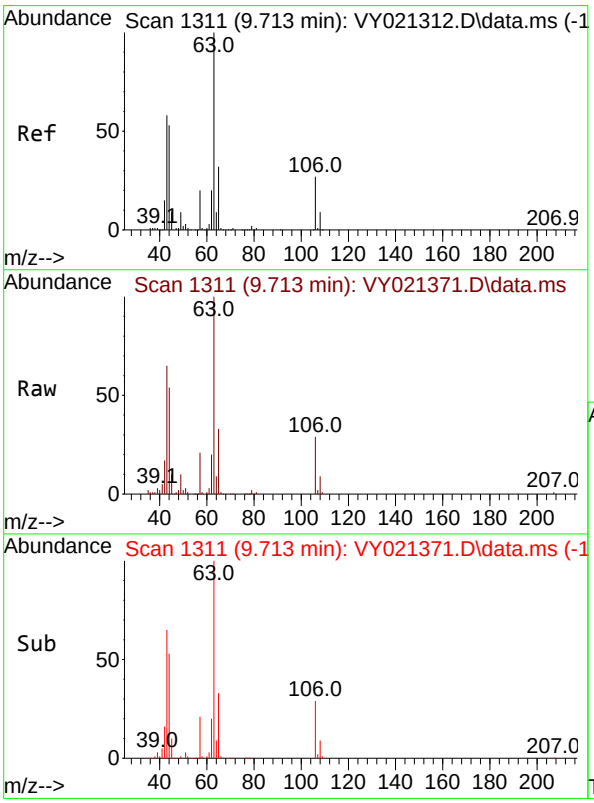
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

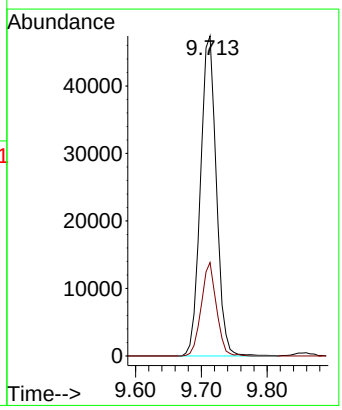
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

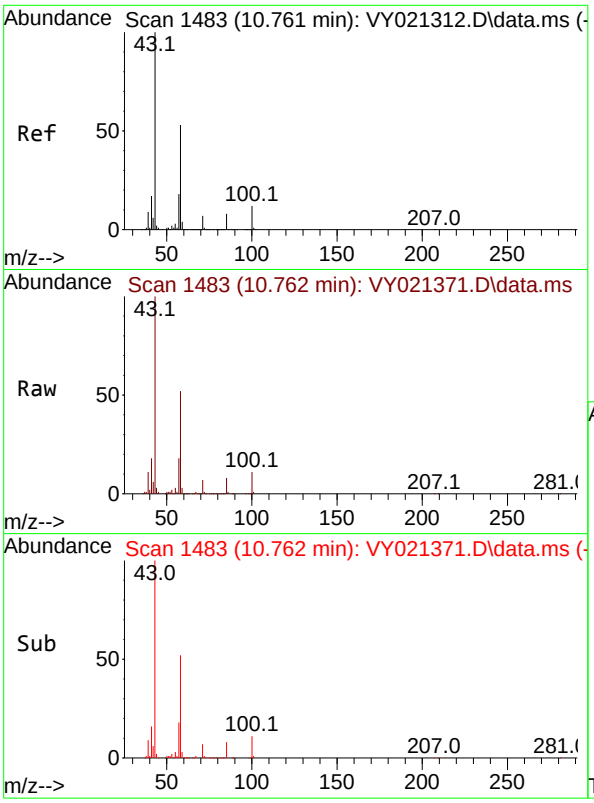


#58
2-Chloroethyl Vinyl ether
Concen: 104.582 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 63 Resp: 79704

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.7	32.5





#59
2-Hexanone
Concen: 203.352 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

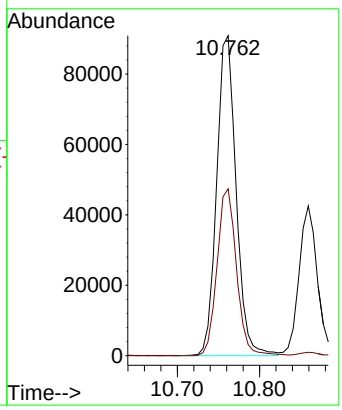
Tgt Ion: 43 Resp: 14931

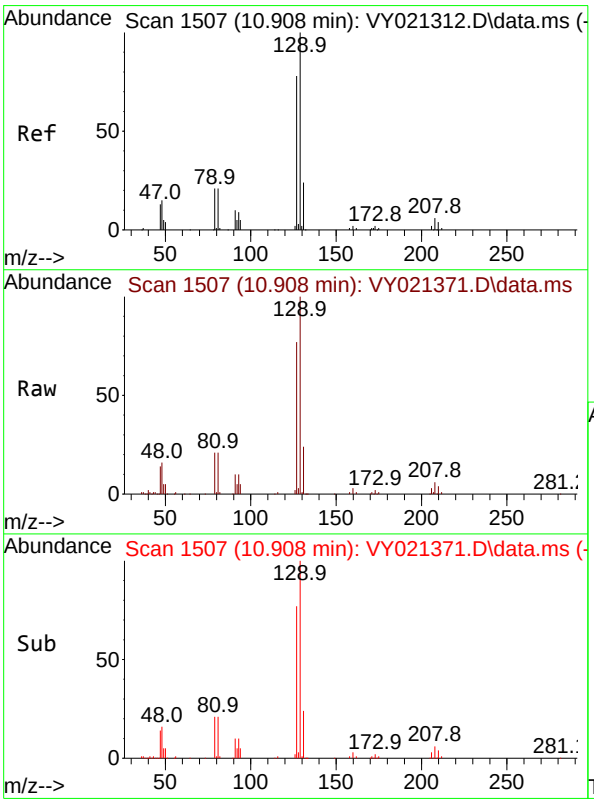
Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

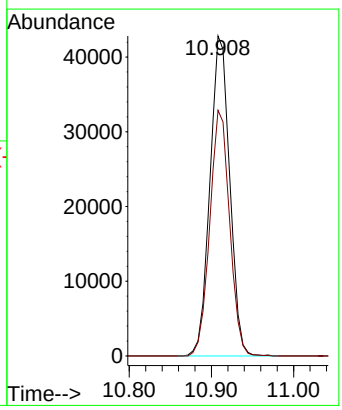


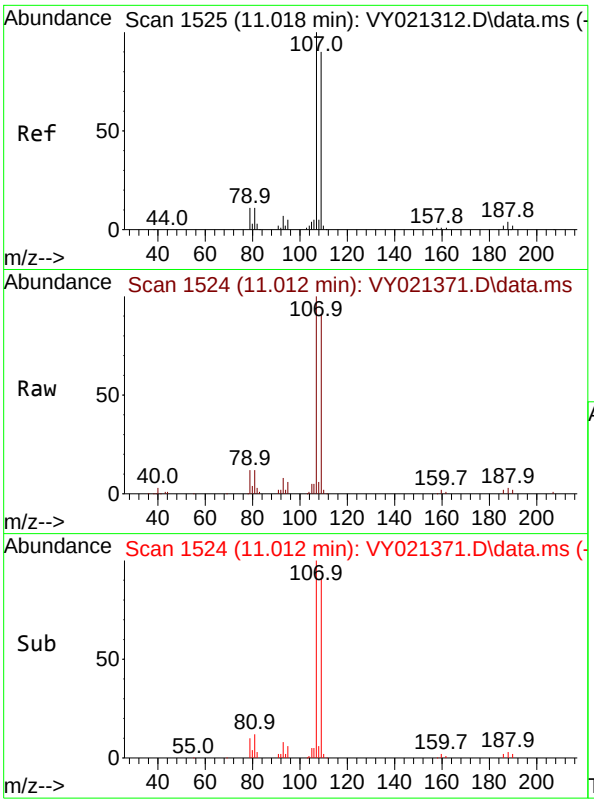


#60
Dibromochloromethane
Concen: 45.616 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:129 Resp: 71390

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.8	116.4





#61
1,2-Dibromoethane
Concen: 44.078 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

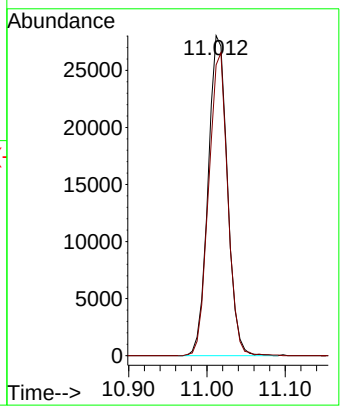
Tgt Ion:107 Resp: 4795

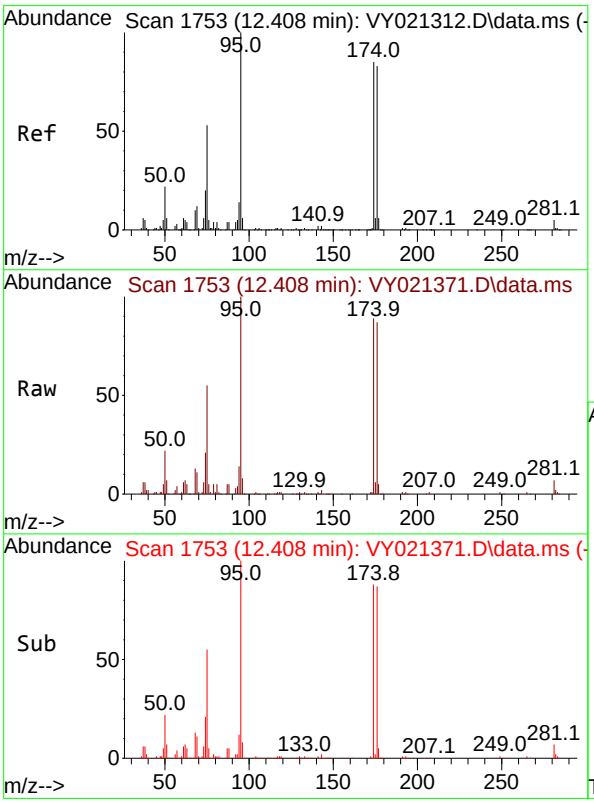
Ion	Ratio	Lower	Upper
107	100		
109	93.7	73.8	110.8

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

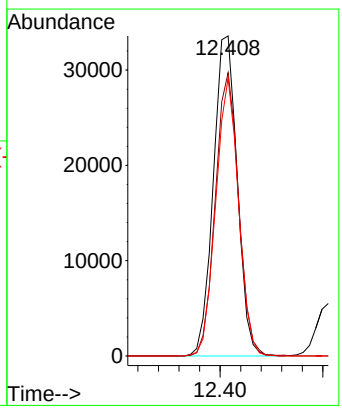


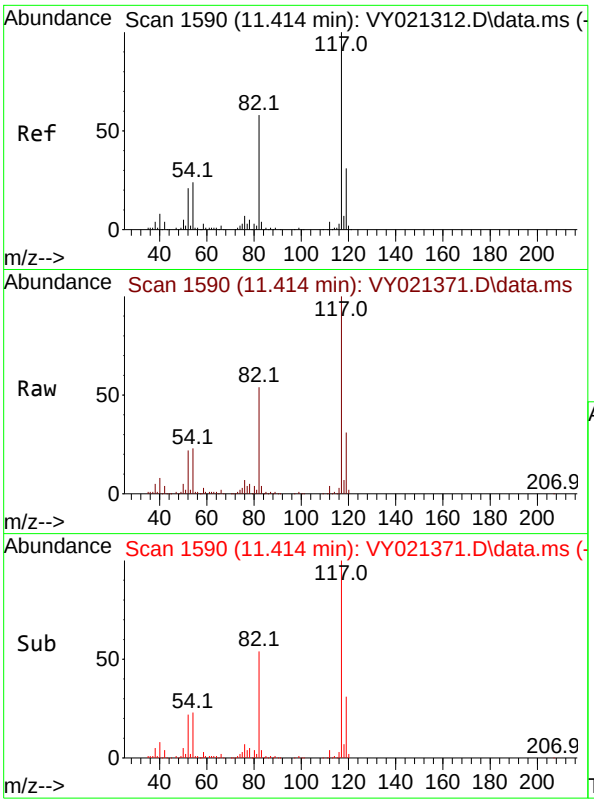


#62
4-Bromofluorobenzene
Concen: 27.499 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 95 Resp: 54013

Ion	Ratio	Lower	Upper
95	100		
174	86.2	0.0	168.0
176	82.7	0.0	162.6

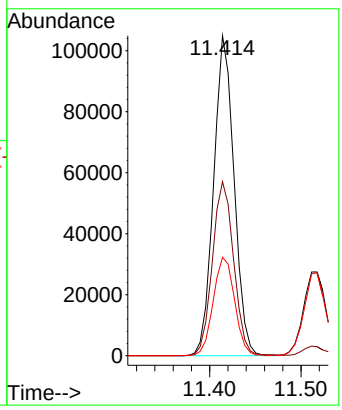




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:117 Resp: 16300

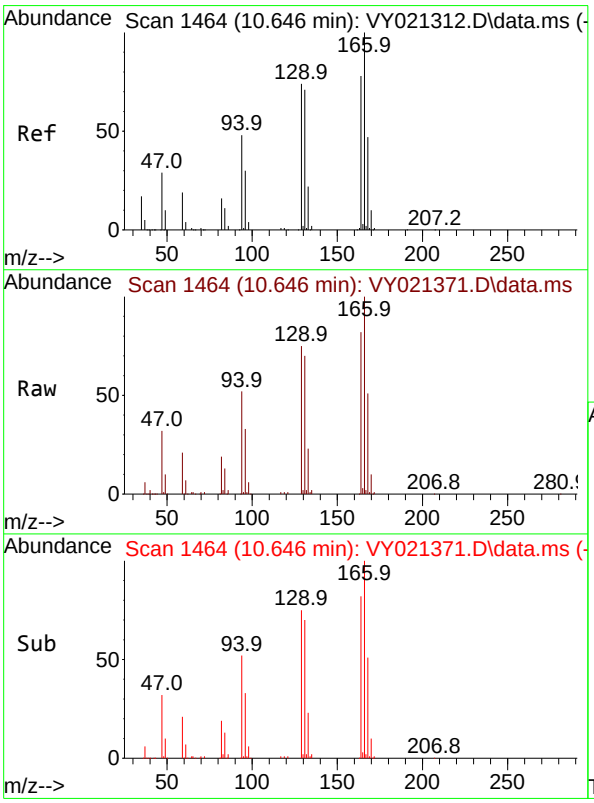
Ion	Ratio	Lower	Upper
117	100		
82	54.4	46.2	69.4
119	30.8	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

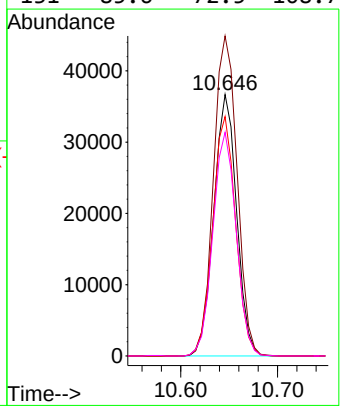
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

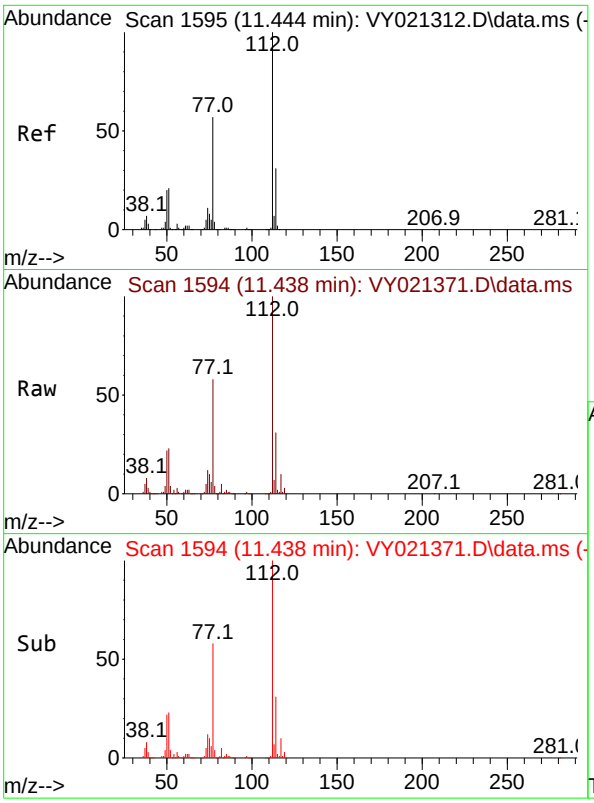


#64
Tetrachloroethene
Concen: 48.757 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:164 Resp: 60073

Ion	Ratio	Lower	Upper
164	100		
166	122.4	101.9	152.9
129	91.5	75.5	113.3
131	85.6	72.5	108.7

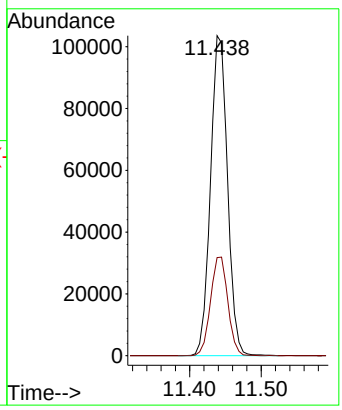




#65
Chlorobenzene
Concen: 46.720 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:112 Resp: 17095

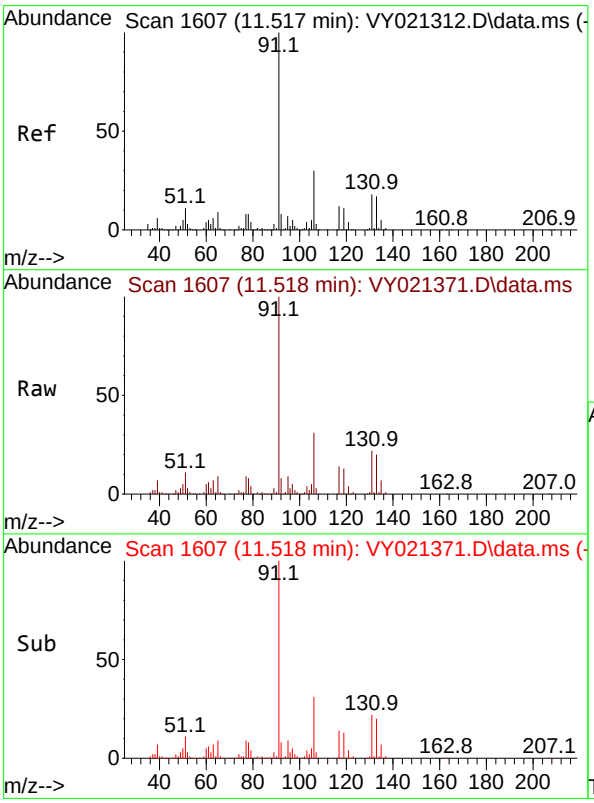
Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

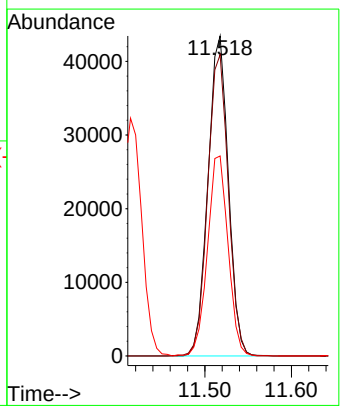
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

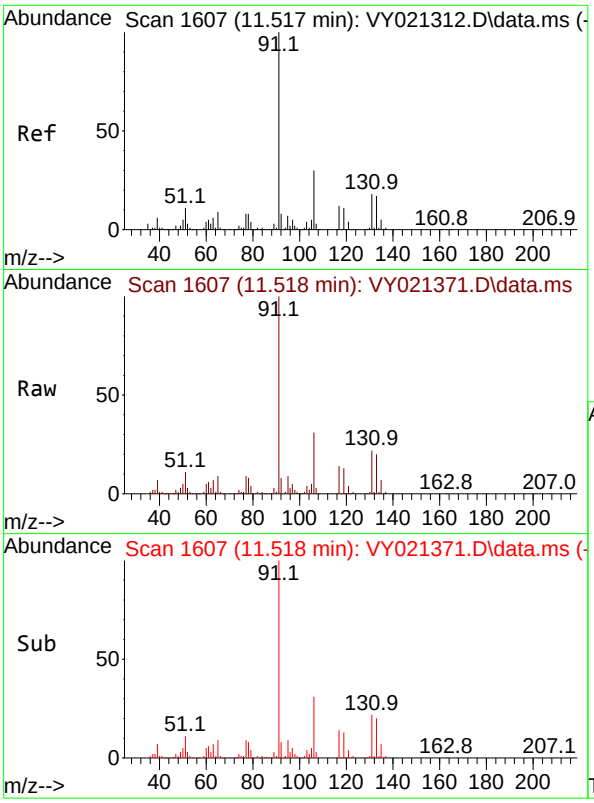


#66
1,1,1,2-Tetrachloroethane
Concen: 55.503 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:131 Resp: 71113

Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.9	143.6
119	63.1	31.7	95.1





#67
Ethyl Benzene
Concen: 48.224 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

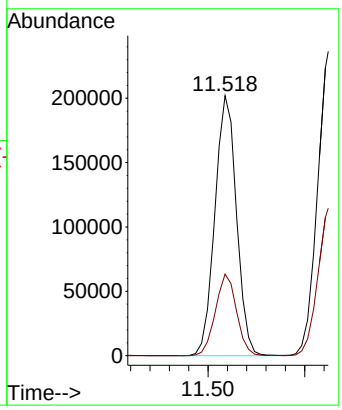
Tgt Ion: 91 Resp: 31255

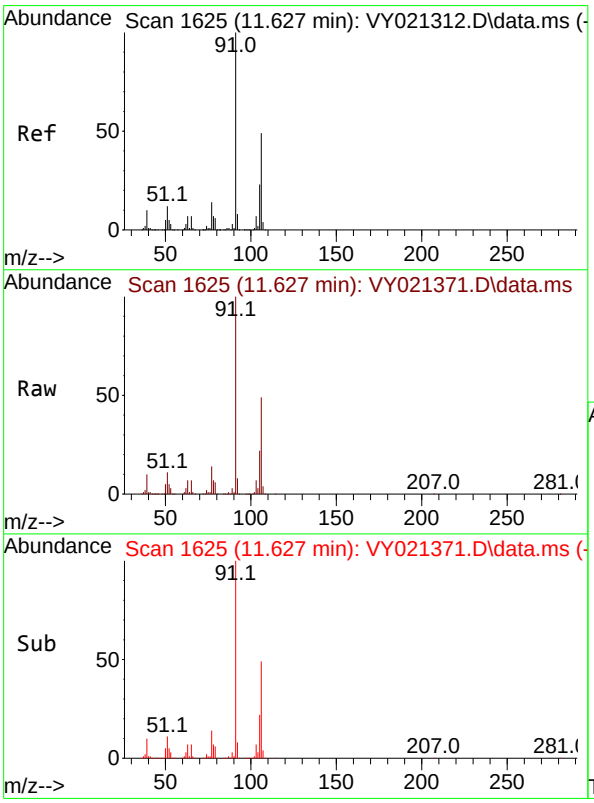
Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

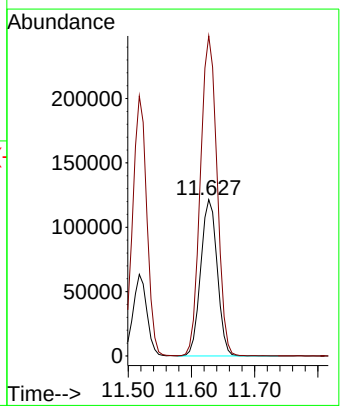


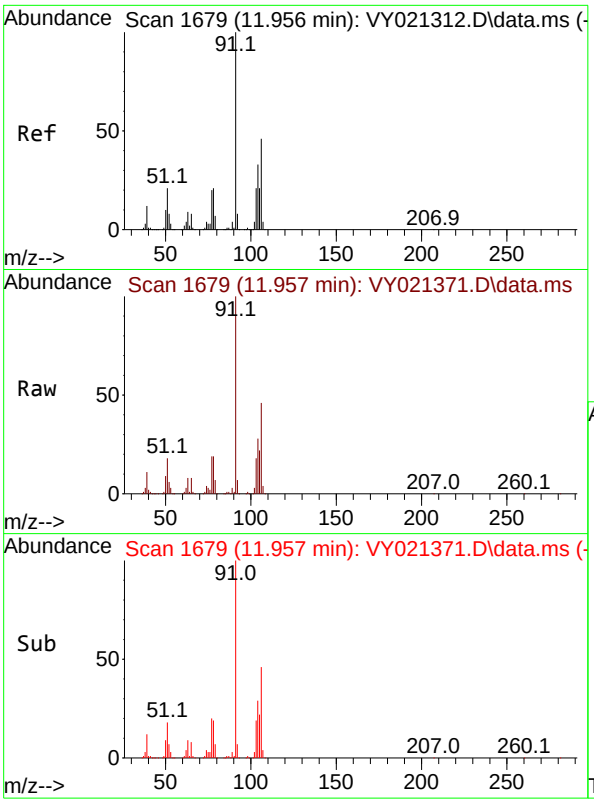


#68
m/p-Xylenes
Concen: 90.646 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:106 Resp: 220984

Ion	Ratio	Lower	Upper
106	100		
91	206.0	163.9	245.9





#69
o-Xylene
Concen: 47.047 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

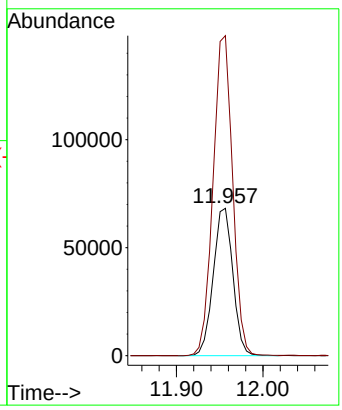
Tgt Ion:106 Resp: 10744

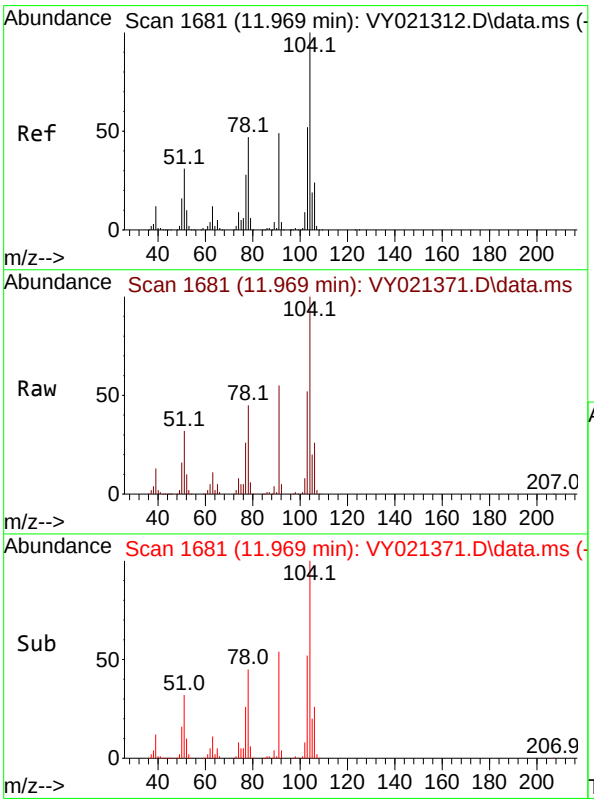
Ion	Ratio	Lower	Upper
106	100		
91	216.5	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

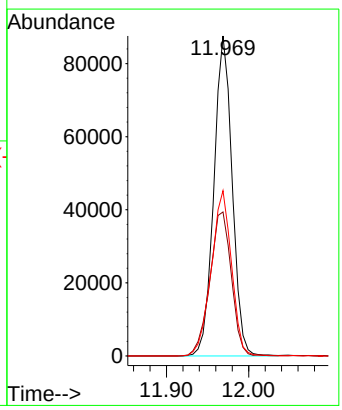


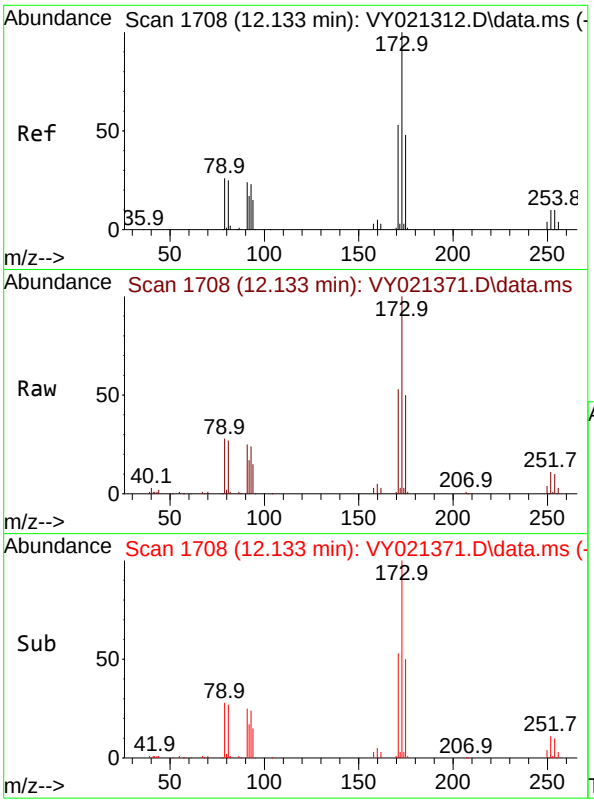


#70
Styrene
Concen: 35.719 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:104 Resp: 135726

Ion	Ratio	Lower	Upper
104	100		
78	53.0	41.3	61.9
103	57.1	43.9	65.9

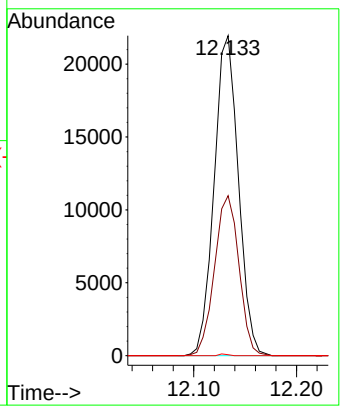




#71
Bromoform
Concen: 48.999 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:173 Resp: 3591

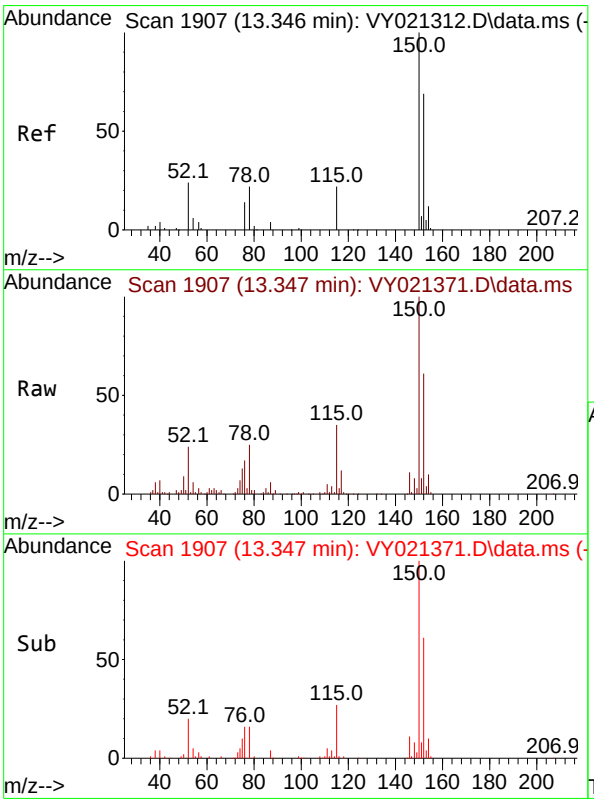
Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.1	72.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

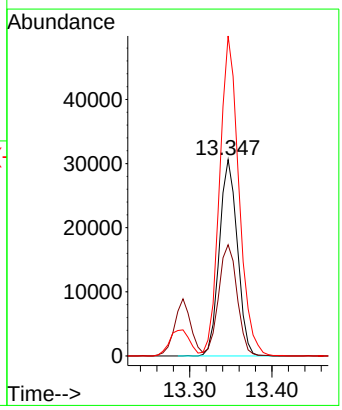
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

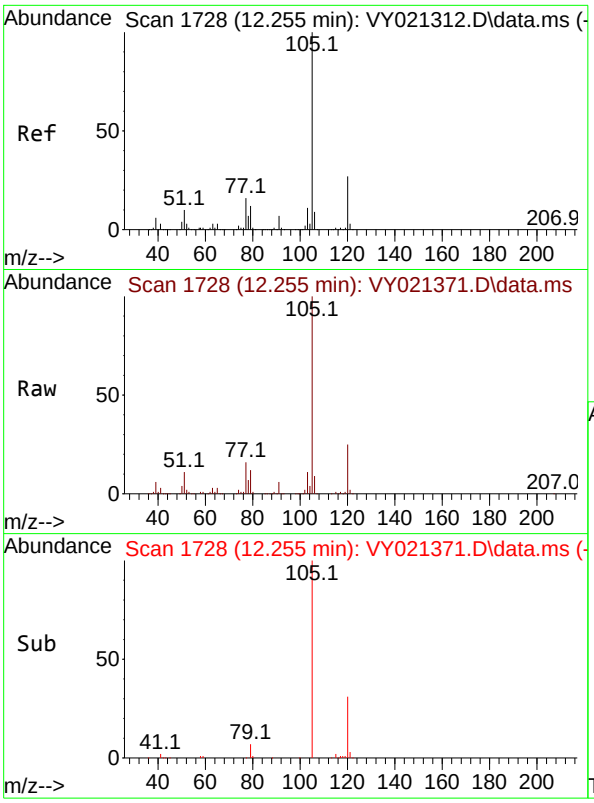


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:152 Resp: 46476

Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.3	88.0
150	175.2	0.0	347.4

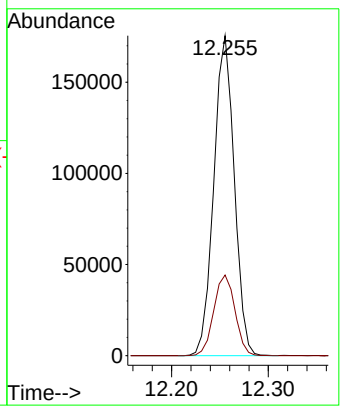




#73
Isopropylbenzene
Concen: 73.764 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:105 Resp: 25773

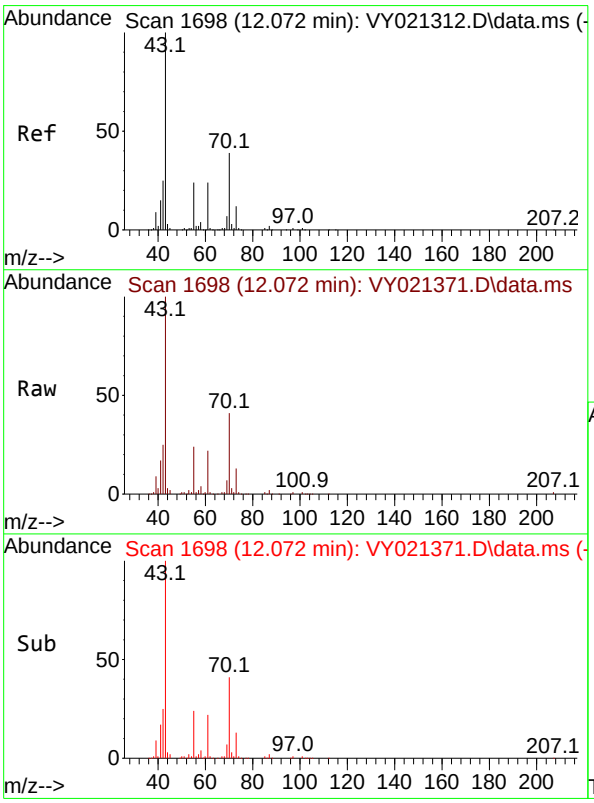
Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

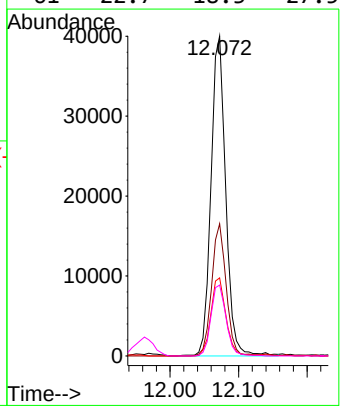
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

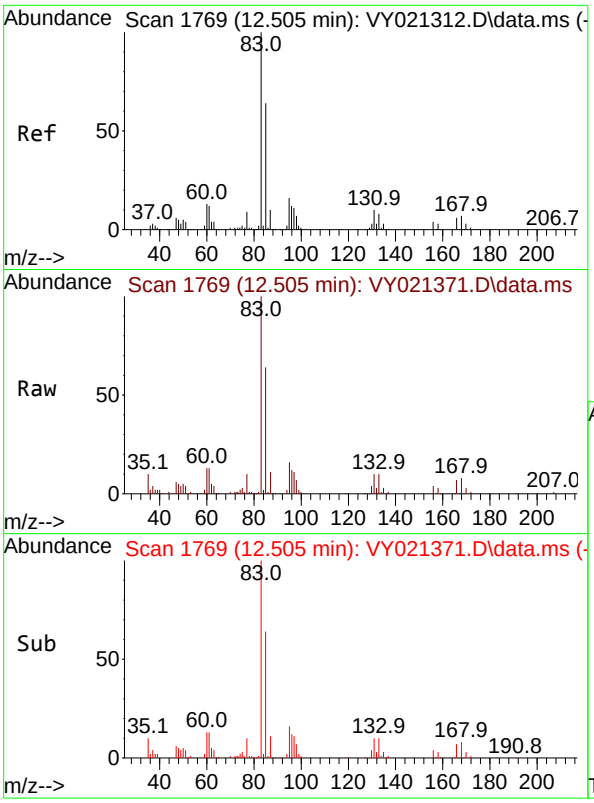


#74
N-amyl acetate
Concen: 67.510 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 43 Resp: 59956

Ion	Ratio	Lower	Upper
43	100		
70	40.8	32.2	48.2
55	24.9	19.6	29.4
61	22.7	18.3	27.5

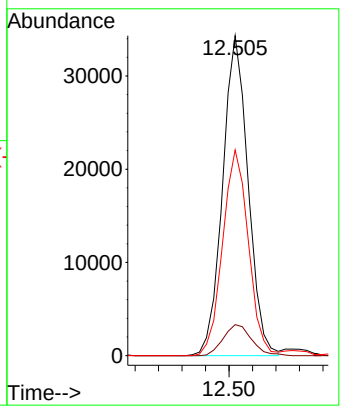




#75
1,1,2,2-Tetrachloroethane
Concen: 83.806 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 83 Resp: 5167

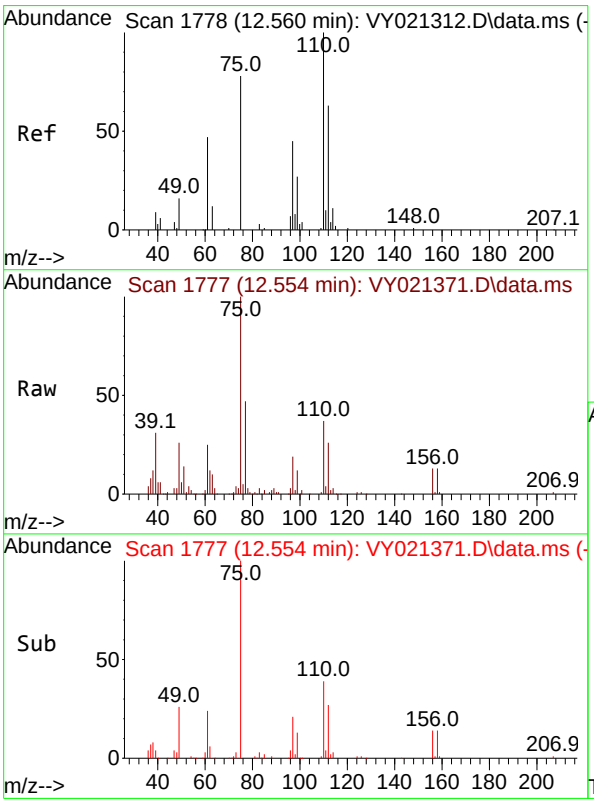
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	64.9	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

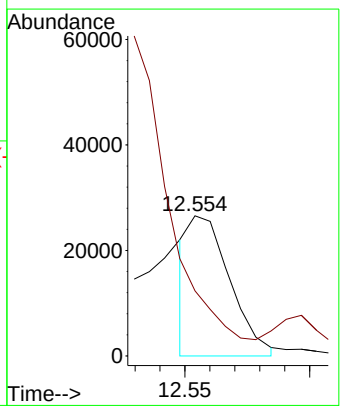
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

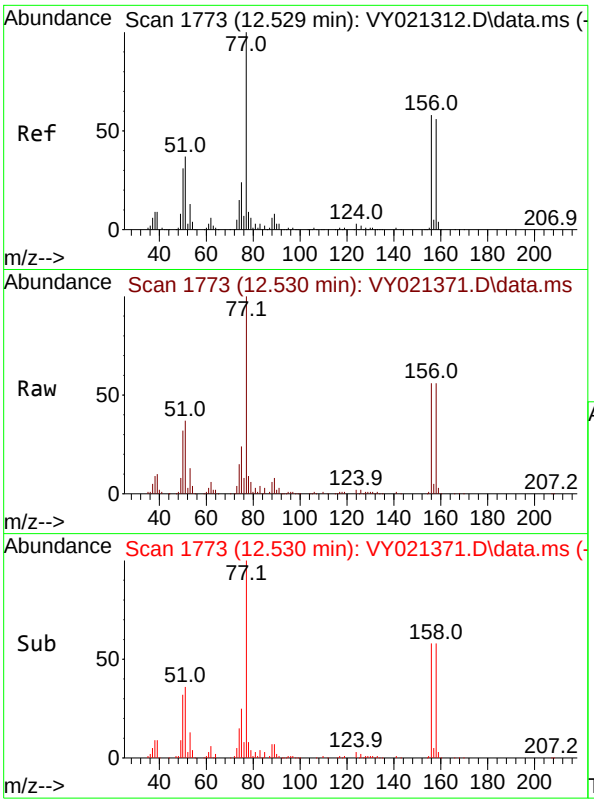


#76
1,2,3-Trichloropropane
Concen: 65.256 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 75 Resp: 30357

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

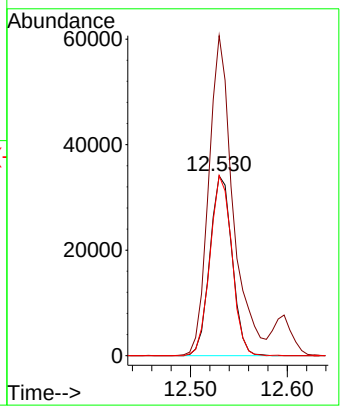




#77
Bromobenzene
Concen: 67.001 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:156 Resp: 5445

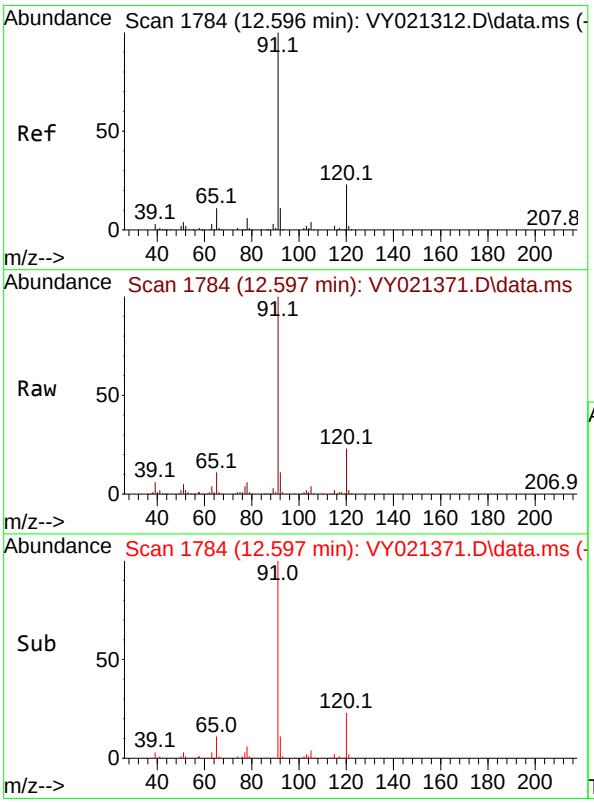
Ion	Ratio	Lower	Upper
156	100		
77	195.2	94.0	282.1
158	98.7	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

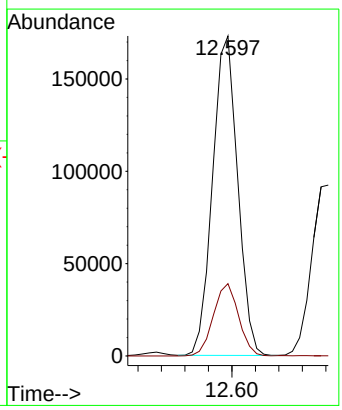
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

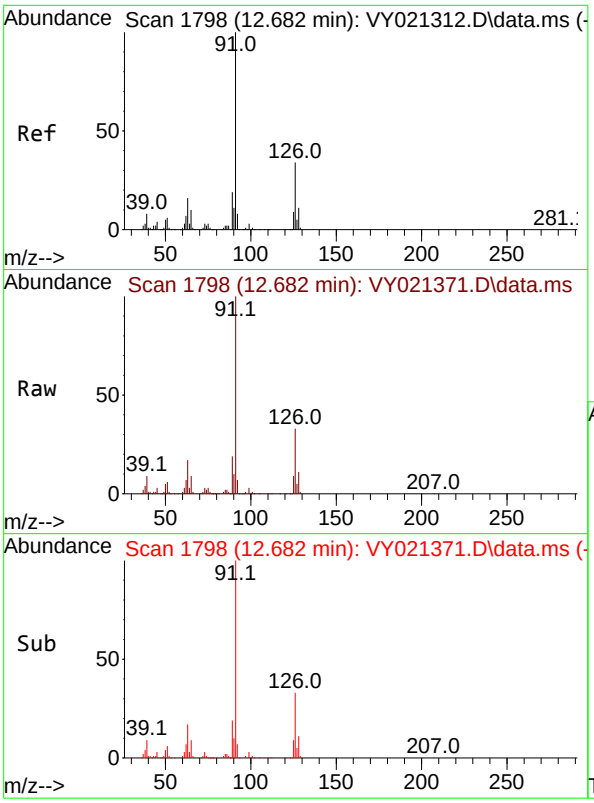


#78
n-propylbenzene
Concen: 60.493 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 91 Resp: 256487

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.2	33.5





#79
2-Chlorotoluene
Concen: 59.364 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

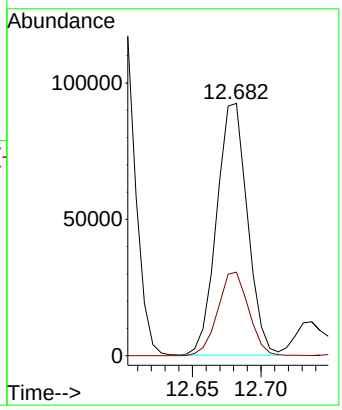
Tgt Ion: 91 Resp: 14445

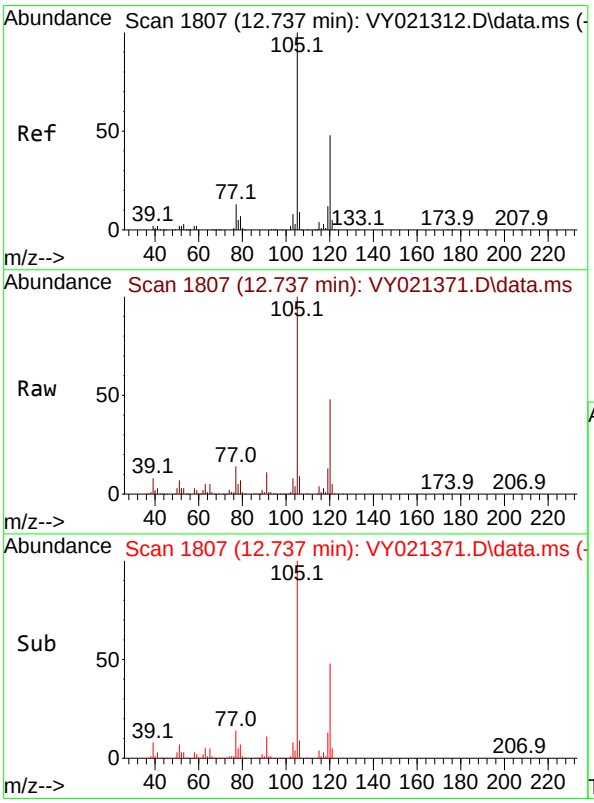
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

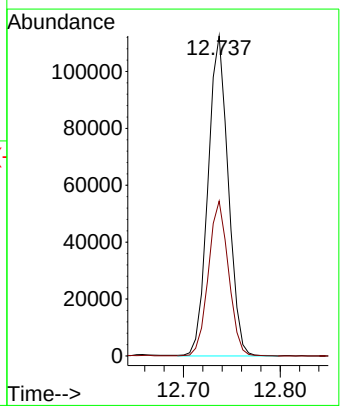


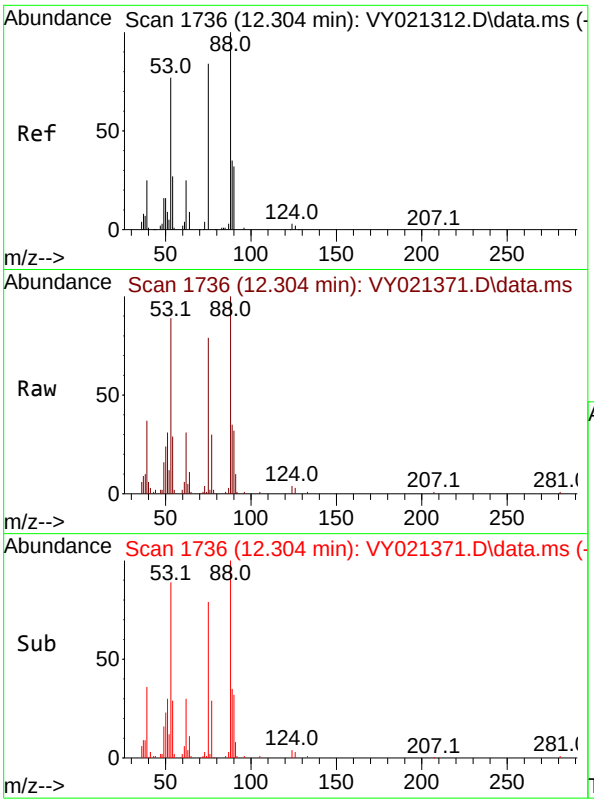


#80
1,3,5-Trimethylbenzene
Concen: 57.068 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:105 Resp: 163538

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 74.429 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

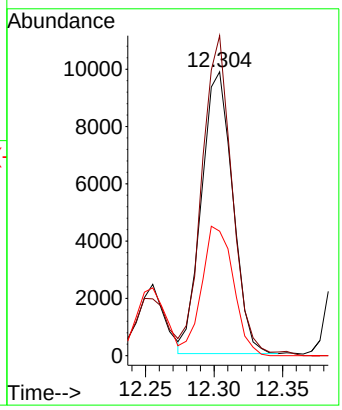
Tgt Ion: 75 Resp: 1557

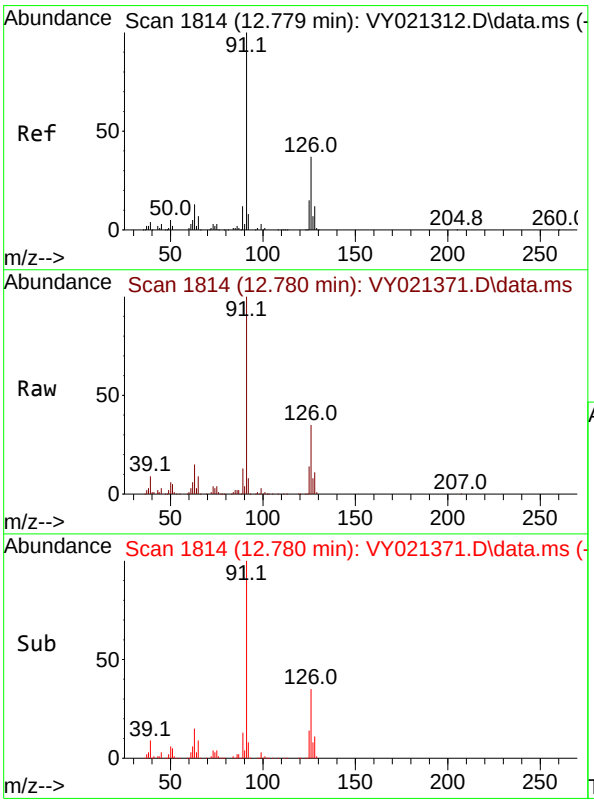
Ion	Ratio	Lower	Upper
75	100		
53	109.6	79.1	118.7
89	46.9	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

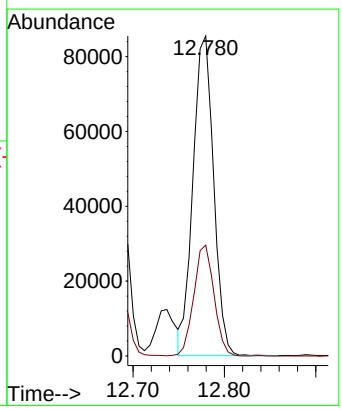


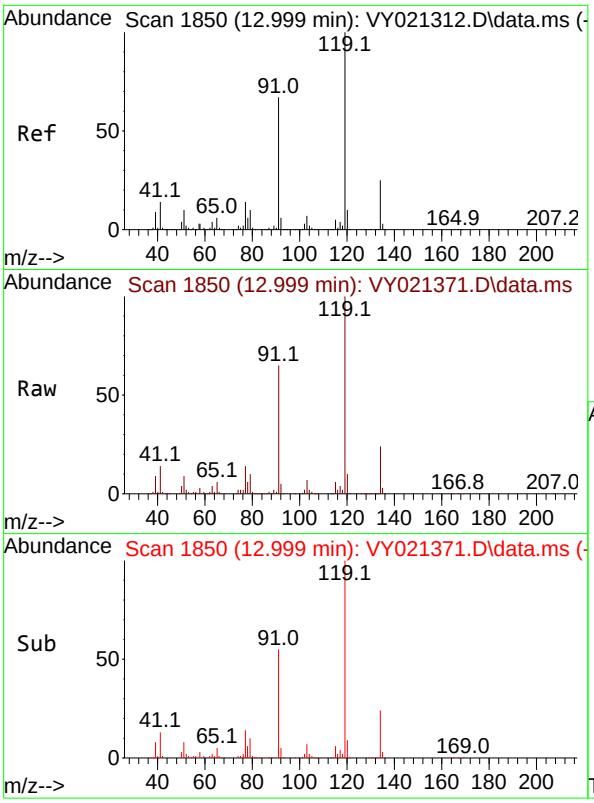


#82
4-Chlorotoluene
Concen: 53.154 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 91 Resp: 134075

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.8	50.4

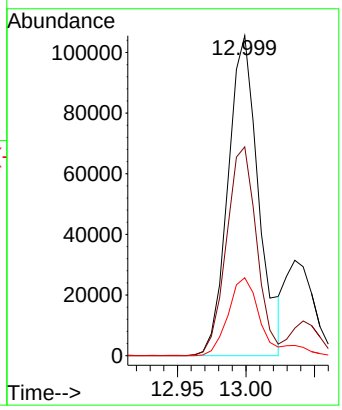




#83
tert-Butylbenzene
Concen: 63.117 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:119 Resp: 16338

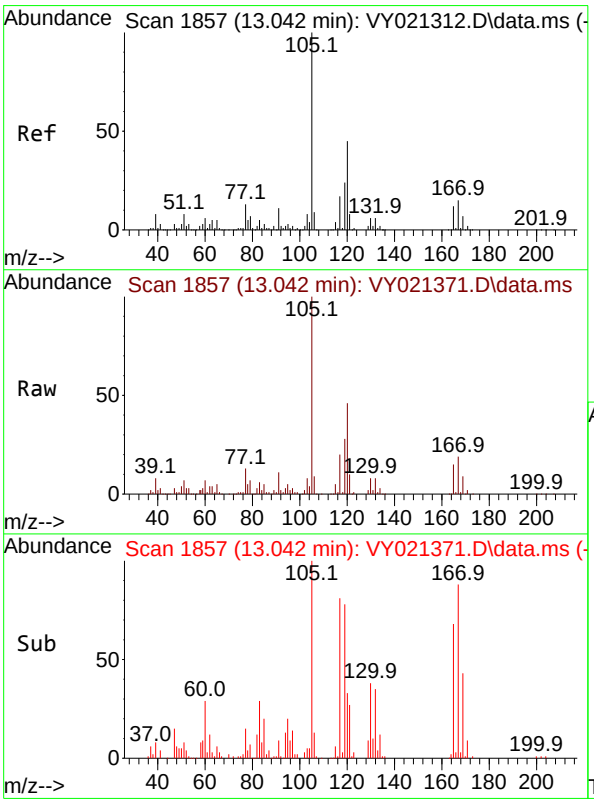
Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.7	98.1
134	27.0	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

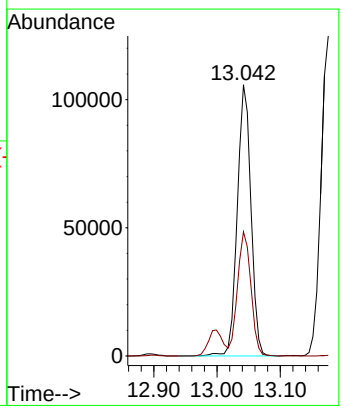
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

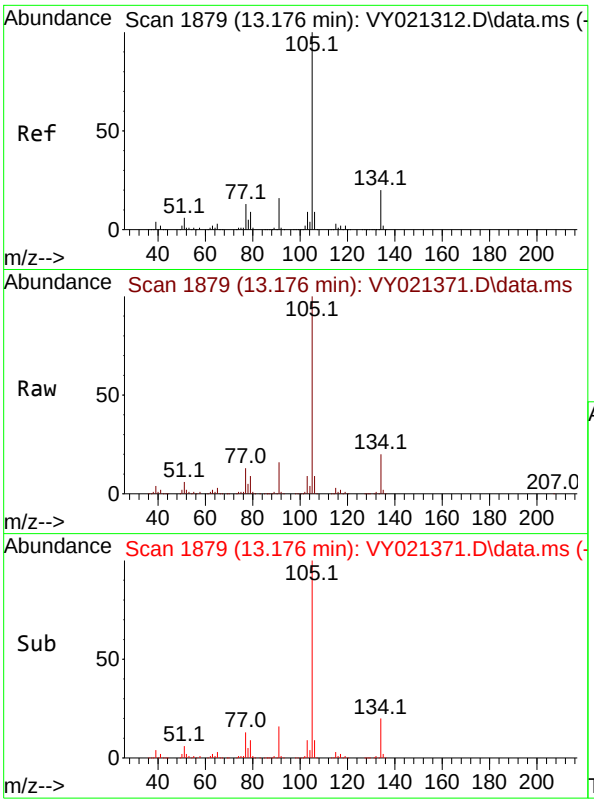


#84
1,2,4-Trimethylbenzene
Concen: 55.807 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:105 Resp: 159053

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3

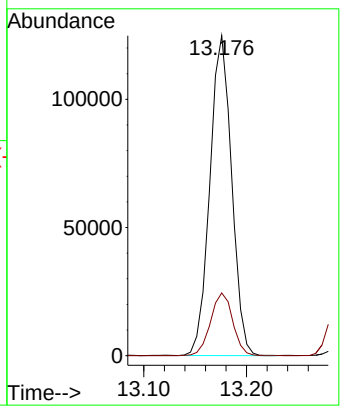




#85
sec-Butylbenzene
Concen: 48.499 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:105 Resp: 18338

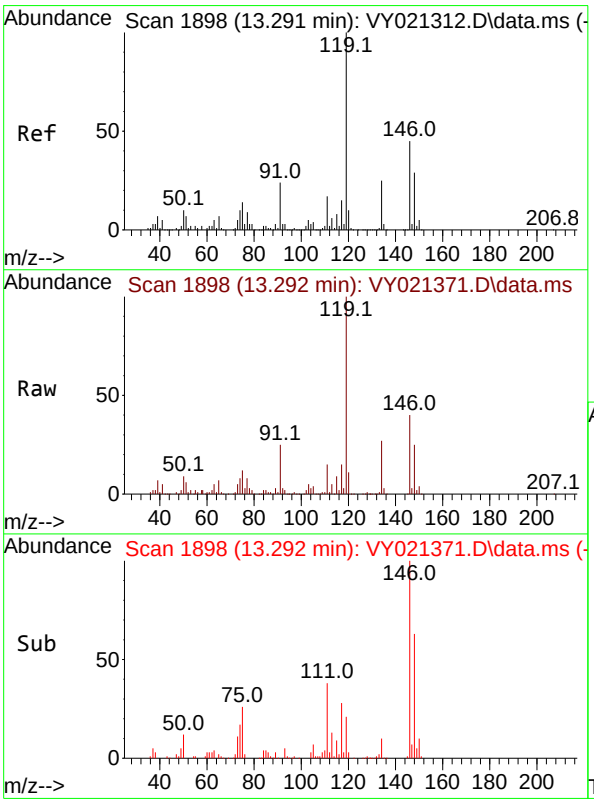
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

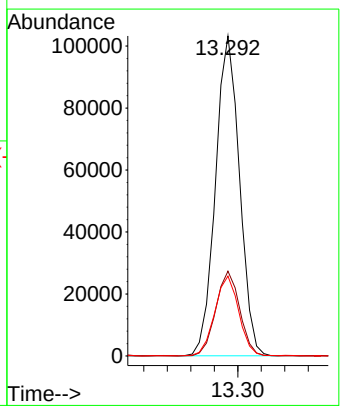
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

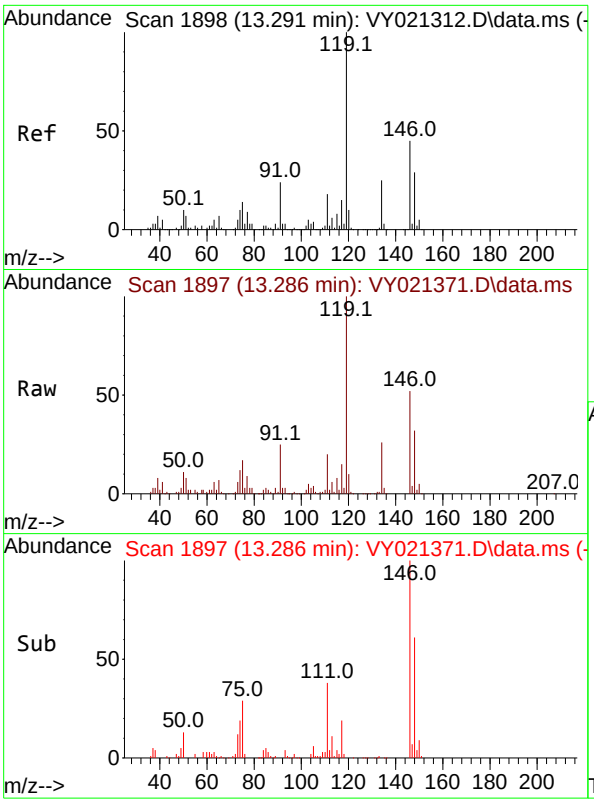


#86
p-Isopropyltoluene
Concen: 46.407 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:119 Resp: 146520

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.0	38.9
91	25.2	12.0	36.1

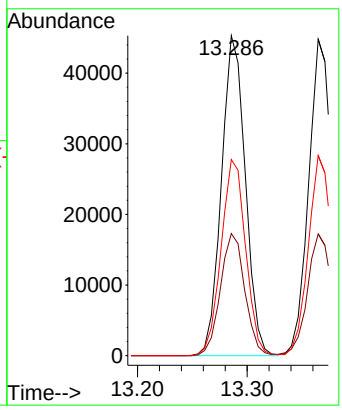




#87
1,3-Dichlorobenzene
Concen: 42.625 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:146 Resp: 6852

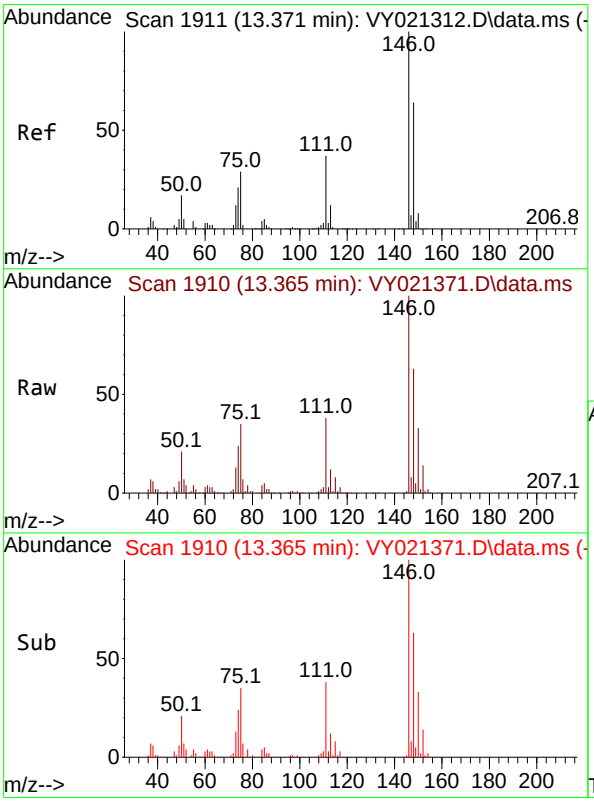
Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	59.9
148	63.0	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

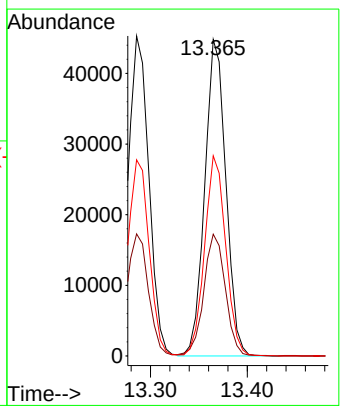
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

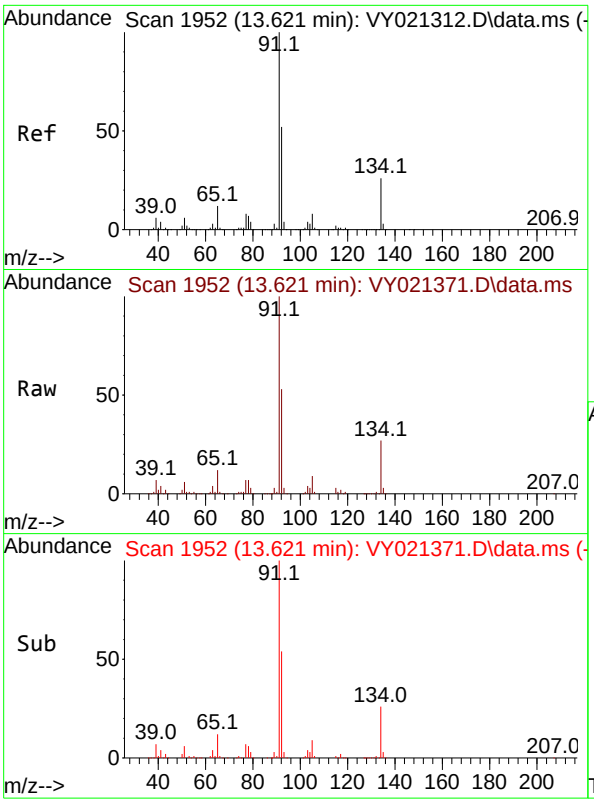


#88
1,4-Dichlorobenzene
Concen: 42.795 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:146 Resp: 67965

Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.5	58.5
148	63.6	32.0	96.2

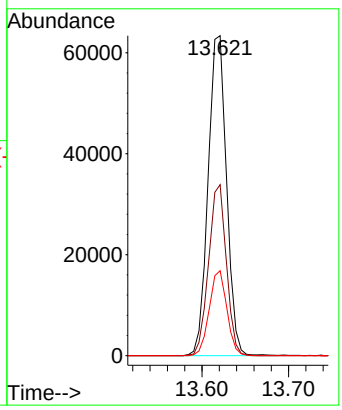




#89
n-Butylbenzene
Concen: 31.537 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 91 Resp: 9370

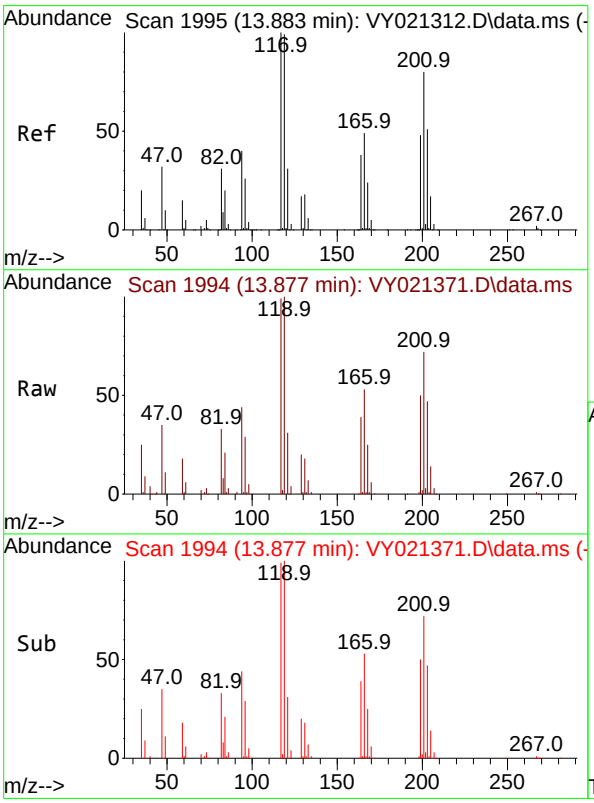
Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.4	79.2
134	25.4	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

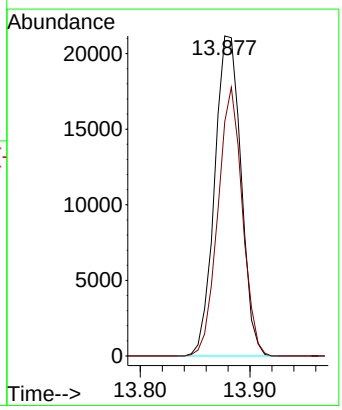
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

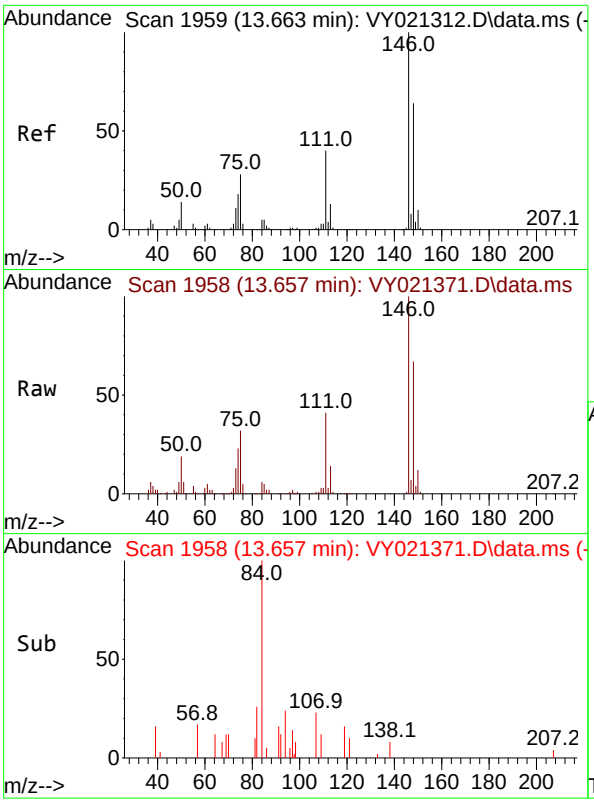


#90
Hexachloroethane
Concen: 53.648 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:117 Resp: 35381

Ion	Ratio	Lower	Upper
117	100		
201	77.7	38.4	115.2

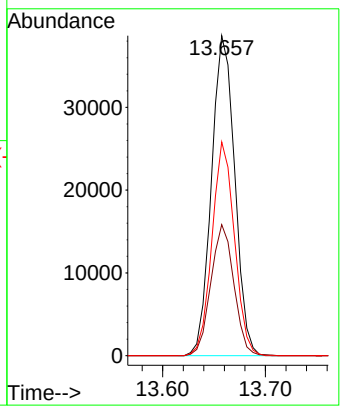




#91
1,2-Dichlorobenzene
Concen: 43.178 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:146 Resp: 6081

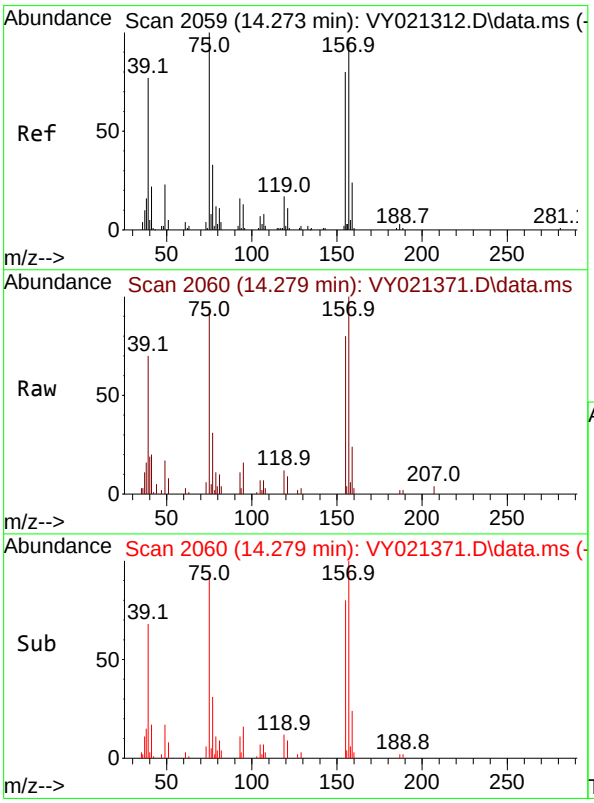
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.7	62.1
148	64.5	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

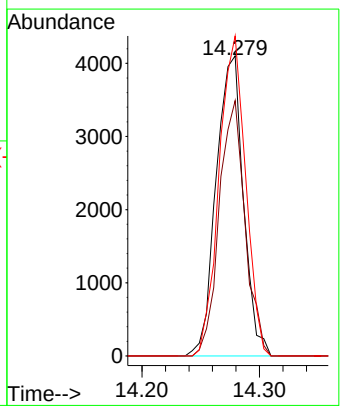
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

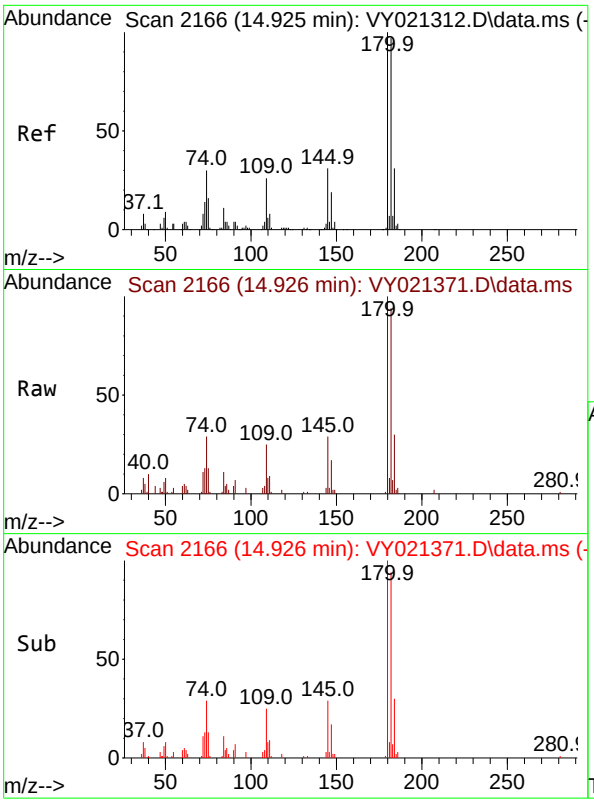


#92
1,2-Dibromo-3-Chloropropane
Concen: 67.740 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion: 75 Resp: 6608

Ion	Ratio	Lower	Upper
75	100		
155	80.7	41.9	125.6
157	103.9	52.5	157.6

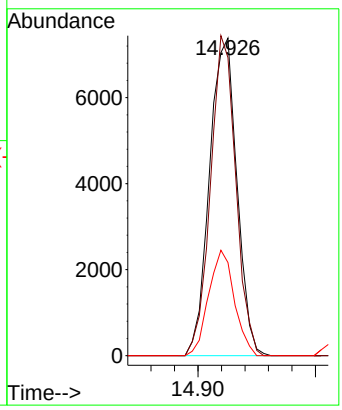




#93
1,2,4-Trichlorobenzene
Concen: 13.901 ug/l
RT: 14.926 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:180 Resp: 1195

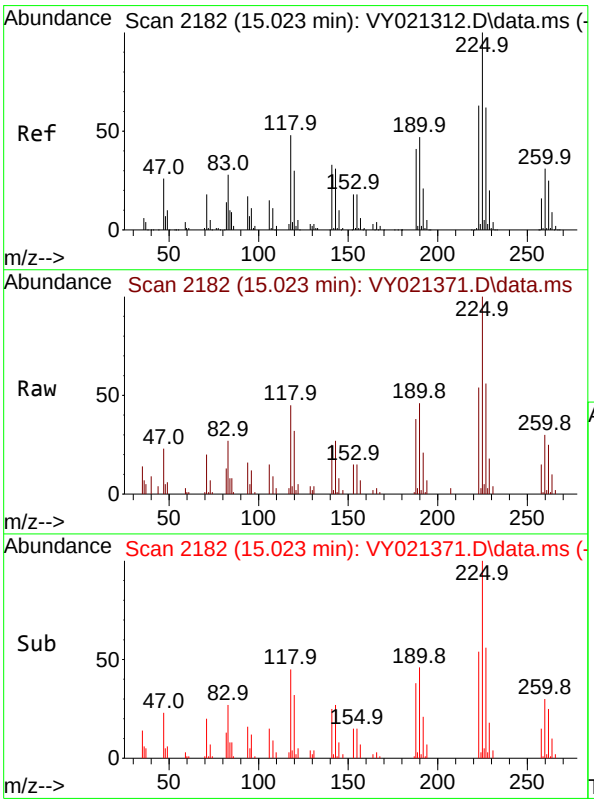
Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.9	143.7
145	31.2	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

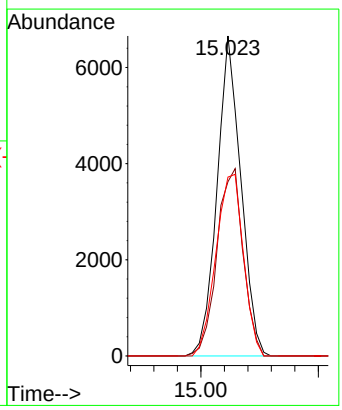
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

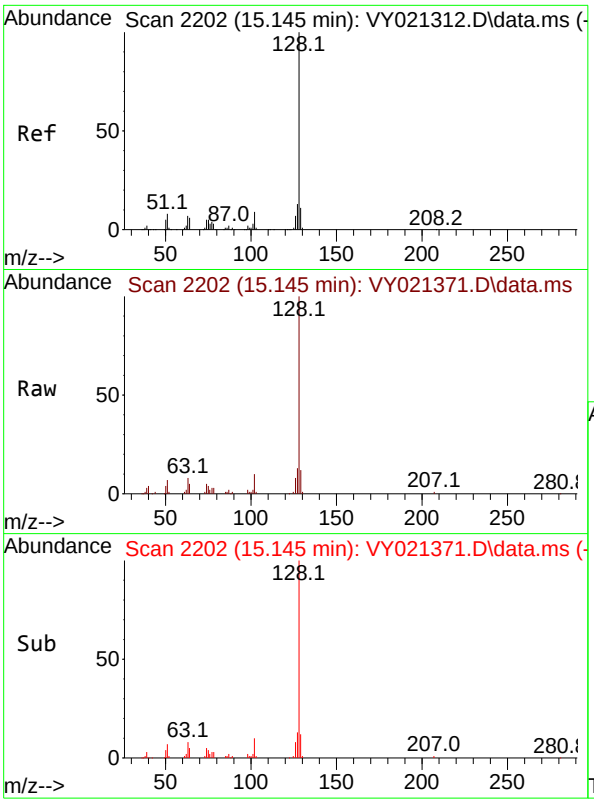


#94
Hexachlorobutadiene
Concen: 17.365 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:225 Resp: 9398

Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.8	95.4
227	65.4	31.9	95.7

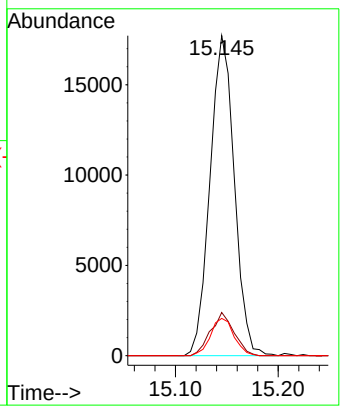




#95
Naphthalene
Concen: 20.423 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:128 Resp: 2908

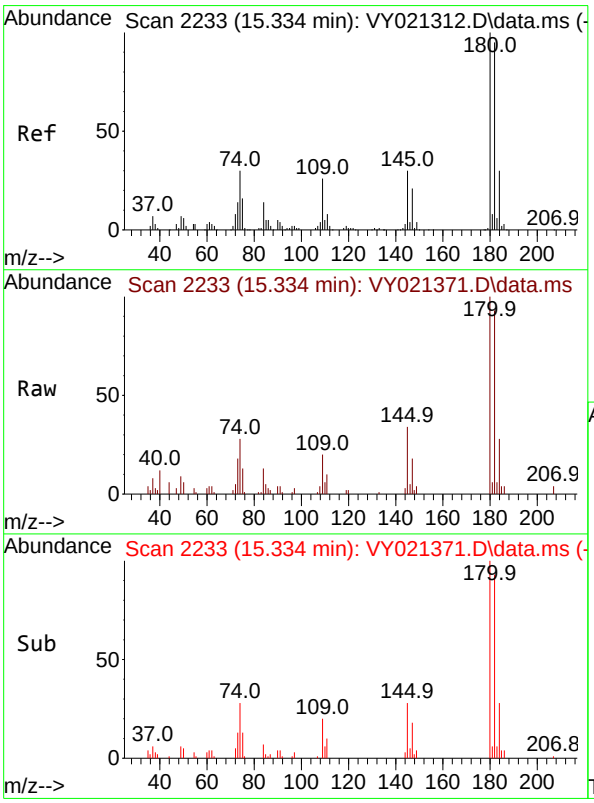
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.3	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations
APPROVED

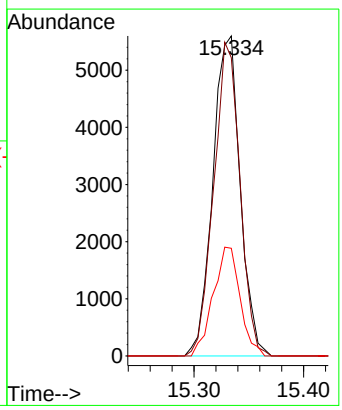
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 13.362 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021371.D
Acq: 27 Feb 2025 20:15

Tgt Ion:180 Resp: 9705

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.3	144.9
145	33.4	16.1	48.3



Raw Data: **VY021372.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1421
Lab Sample ID:	Q1421-03MSD	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	70.3
Sample Wt/Vol:	4.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021372.D	1		02/27/25 20:38	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	70.0		2.70	8.00	ug/Kg
74-87-3	Chloromethane	69.6		1.90	8.00	ug/Kg
75-01-4	Vinyl Chloride	75.9		1.20	8.00	ug/Kg
74-83-9	Bromomethane	74.8		1.70	8.00	ug/Kg
75-00-3	Chloroethane	80.1		1.60	8.00	ug/Kg
75-69-4	Trichlorofluoromethane	75.9		1.50	8.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	73.7		1.70	8.00	ug/Kg
75-35-4	1,1-Dichloroethene	71.4		1.30	8.00	ug/Kg
67-64-1	Acetone	380		10.0	40.2	ug/Kg
75-15-0	Carbon Disulfide	67.1		2.10	8.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	75.2		1.10	8.00	ug/Kg
79-20-9	Methyl Acetate	76.6		2.90	8.00	ug/Kg
75-09-2	Methylene Chloride	76.1		5.50	16.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	67.7		1.40	8.00	ug/Kg
75-34-3	1,1-Dichloroethane	70.5		1.00	8.00	ug/Kg
110-82-7	Cyclohexane	66.1		1.10	8.00	ug/Kg
78-93-3	2-Butanone	340		9.10	40.2	ug/Kg
56-23-5	Carbon Tetrachloride	69.2		1.40	8.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	66.8		0.98	8.00	ug/Kg
74-97-5	Bromochloromethane	75.5		3.90	8.00	ug/Kg
67-66-3	Chloroform	70.4		1.10	8.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	69.4		1.30	8.00	ug/Kg
108-87-2	Methylcyclohexane	72.9		1.40	8.00	ug/Kg
71-43-2	Benzene	68.1		1.20	8.00	ug/Kg
107-06-2	1,2-Dichloroethane	74.2		0.98	8.00	ug/Kg
79-01-6	Trichloroethene	65.4		1.20	8.00	ug/Kg
78-87-5	1,2-Dichloropropane	66.9		1.10	8.00	ug/Kg
75-27-4	Bromodichloromethane	64.4		0.90	8.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	340		7.00	40.2	ug/Kg
108-88-3	Toluene	61.8		1.10	8.00	ug/Kg

Raw Data: **VY021372.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1421
Lab Sample ID:	Q1421-03MSD	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	70.3
Sample Wt/Vol:	4.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021372.D	1		02/27/25 20:38	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	58.2		0.97	8.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	59.9		0.92	8.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	65.8		1.40	8.00	ug/Kg
591-78-6	2-Hexanone	310		7.70	40.2	ug/Kg
124-48-1	Dibromochloromethane	59.0		1.00	8.00	ug/Kg
106-93-4	1,2-Dibromoethane	63.1		1.30	8.00	ug/Kg
127-18-4	Tetrachloroethene	72.9		1.40	8.00	ug/Kg
108-90-7	Chlorobenzene	63.0		1.20	8.00	ug/Kg
100-41-4	Ethyl Benzene	67.6		1.00	8.00	ug/Kg
179601-23-1	m/p-Xylenes	130		2.20	16.1	ug/Kg
95-47-6	o-Xylene	65.2		1.10	8.00	ug/Kg
100-42-5	Styrene	53.5		0.97	8.00	ug/Kg
75-25-2	Bromoform	66.5		1.30	8.00	ug/Kg
98-82-8	Isopropylbenzene	91.0		1.10	8.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	89.0		1.80	8.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	62.9		1.20	8.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	62.3		1.30	8.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	61.2		0.95	8.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	77.0		2.50	8.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	34.7		1.30	8.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	33.8		1.30	8.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	44.0		74 - 123	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.8		38 - 136	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	7.707			
540-36-3	1,4-Difluorobenzene	237000	8.615			
3114-55-4	Chlorobenzene-d5	174000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	64700	13.346			

Raw Data: **VY021372.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1421
Lab Sample ID:	Q1421-03MSD	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	70.3
Sample Wt/Vol:	4.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021372.D	1		02/27/25 20:38	VY022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021372.D
Acq On : 27 Feb 2025 20:38
Operator : SY/MD
Sample : Q1421-03MSD
Misc : 4.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Feb 28 00:45:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	155726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	236506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	174171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	64665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	88654	50.184	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.360%			
35) Dibromofluoromethane	7.634	113	80618	51.993	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.980%			
50) Toluene-d8	10.103	98	263432	43.961	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 87.920%			
62) 4-Bromofluorobenzene	12.407	95	66185	32.818	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 65.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	64264	43.525	ug/l	98
3) Chloromethane	2.068	50	82478	43.254	ug/l	99
4) Vinyl Chloride	2.202	62	88283	47.170	ug/l	99
5) Bromomethane	2.592	94	57821	46.491	ug/l	95
6) Chloroethane	2.732	64	57802	49.803	ug/l	95
7) Trichlorofluoromethane	3.062	101	133302	47.161	ug/l	98
8) Diethyl Ether	3.458	74	40154	47.332	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	74952	45.802	ug/l	99
10) Methyl Iodide	4.006	142	80916	47.000	ug/l	100
11) Tert butyl alcohol	4.854	59	24461	180.017	ug/l	98
12) 1,1-Dichloroethene	3.793	96	69523	44.370	ug/l	95
13) Acrolein	3.653	56	2552	24.509	ug/l	96
14) Allyl chloride	4.378	41	102978	37.068	ug/l	96
15) Acrylonitrile	5.055	53	83482	222.570	ug/l	99
16) Acetone	3.866	43	79999	236.075	ug/l	100
17) Carbon Disulfide	4.104	76	216951	41.697	ug/l	100
18) Methyl Acetate	4.378	43	39423	47.603	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	193512	46.744	ug/l	99
20) Methylene Chloride	4.616	84	86630	47.275	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	72538	42.053	ug/l	92
22) Diisopropyl ether	6.018	45	254188	44.216	ug/l	98
23) Vinyl Acetate	5.957	43	726562	211.500	ug/l	99
24) 1,1-Dichloroethane	5.915	63	141947	43.809	ug/l	98
25) 2-Butanone	6.896	43	107688	210.560	ug/l	92
26) 2,2-Dichloropropane	6.884	77	118389	40.268	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	81795	41.526	ug/l	98
28) Bromochloromethane	7.244	49	67297	46.940	ug/l	98
29) Tetrahydrofuran	7.262	42	72366	216.471	ug/l	98
30) Chloroform	7.420	83	143563	43.727	ug/l	98
31) Cyclohexane	7.701	56	127921	41.072	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	128975	43.158	ug/l	99
36) 1,1-Dichloropropene	7.835	75	97934	42.048	ug/l	99
37) Ethyl Acetate	6.988	43	51804	44.714	ug/l	99
38) Carbon Tetrachloride	7.817	117	112590	42.999	ug/l	99
39) Methylcyclohexane	9.109	83	133491	45.314	ug/l	99
40) Benzene	8.079	78	291386	42.322	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021372.D
Acq On : 27 Feb 2025 20:38
Operator : SY/MD
Sample : Q1421-03MSD
Misc : 4.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Feb 28 00:45:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	21999	33.961	ug/l	#	79
42) 1,2-Dichloroethane	8.158	62	90124	46.137	ug/l		100
43) Isopropyl Acetate	8.195	43	100005	44.596	ug/l		99
44) Trichloroethene	8.865	130	70038	40.631	ug/l		99
45) 1,2-Dichloropropane	9.140	63	68886	41.575	ug/l		98
46) Dibromomethane	9.231	93	39524	43.639	ug/l		99
47) Bromodichloromethane	9.420	83	96620	40.010	ug/l		99
48) Methyl methacrylate	9.219	41	42722	40.740	ug/l		96
49) 1,4-Dioxane	9.225	88	9878	980.882	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	241559	210.433	ug/l		99
52) Toluene	10.170	92	164214	38.393	ug/l		99
53) t-1,3-Dichloropropene	10.389	75	79978	36.148	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	97162	37.199	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	48276	40.917	ug/l		99
56) Ethyl methacrylate	10.438	69	62191	38.147	ug/l		97
57) 1,3-Dichloropropane	10.713	76	83031	40.104	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	102289	130.719	ug/l		98
59) 2-Hexanone	10.761	43	144883	192.180	ug/l		98
60) Dibromochloromethane	10.908	129	58948	36.684	ug/l		100
61) 1,2-Dibromoethane	11.011	107	43812	39.222	ug/l		99
64) Tetrachloroethene	10.646	164	59664	45.321	ug/l		99
65) Chlorobenzene	11.438	112	153186	39.181	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	58861	42.996	ug/l		99
67) Ethyl Benzene	11.517	91	290783	41.989	ug/l		100
68) m/p-Xylenes	11.627	106	212408	81.545	ug/l		99
69) o-Xylene	11.956	106	98926	40.540	ug/l		100
70) Styrene	11.968	104	134977	33.245	ug/l		96
71) Bromoform	12.133	173	32368	41.330	ug/l	#	100
73) Isopropylbenzene	12.255	105	274960	56.559	ug/l		99
74) N-amyl acetate	12.072	43	62022	50.192	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	47439	55.291	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	35252m	54.463	ug/l		
77) Bromobenzene	12.529	156	53014	46.884	ug/l		98
78) n-propylbenzene	12.596	91	306532	51.961	ug/l		99
79) 2-Chlorotoluene	12.682	91	158014	46.672	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	196679	49.328	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	14046	48.233	ug/l		96
82) 4-Chlorotoluene	12.779	91	152511	43.456	ug/l		98
83) tert-Butylbenzene	12.999	119	197972	54.967	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	187917	47.388	ug/l		99
85) sec-Butylbenzene	13.176	105	276345	52.528	ug/l		100
86) p-Isopropyltoluene	13.291	119	219080	49.871	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	87423	39.084	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	85615	38.745	ug/l		100
89) n-Butylbenzene	13.614	91	180608	43.689	ug/l		99
90) Hexachloroethane	13.877	117	43674	47.596	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	74538	38.035	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6498	47.876	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	25765	21.541	ug/l		99
94) Hexachlorobutadiene	15.023	225	29785	39.554	ug/l		98
95) Naphthalene	15.145	128	51838	26.166	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	21258	21.035	ug/l		99

Sample Results: **VY021372.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021372.D
Acq On : 27 Feb 2025 20:38
Operator : SY/MD
Sample : Q1421-03MSD
Misc : 4.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 00:45:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

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

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

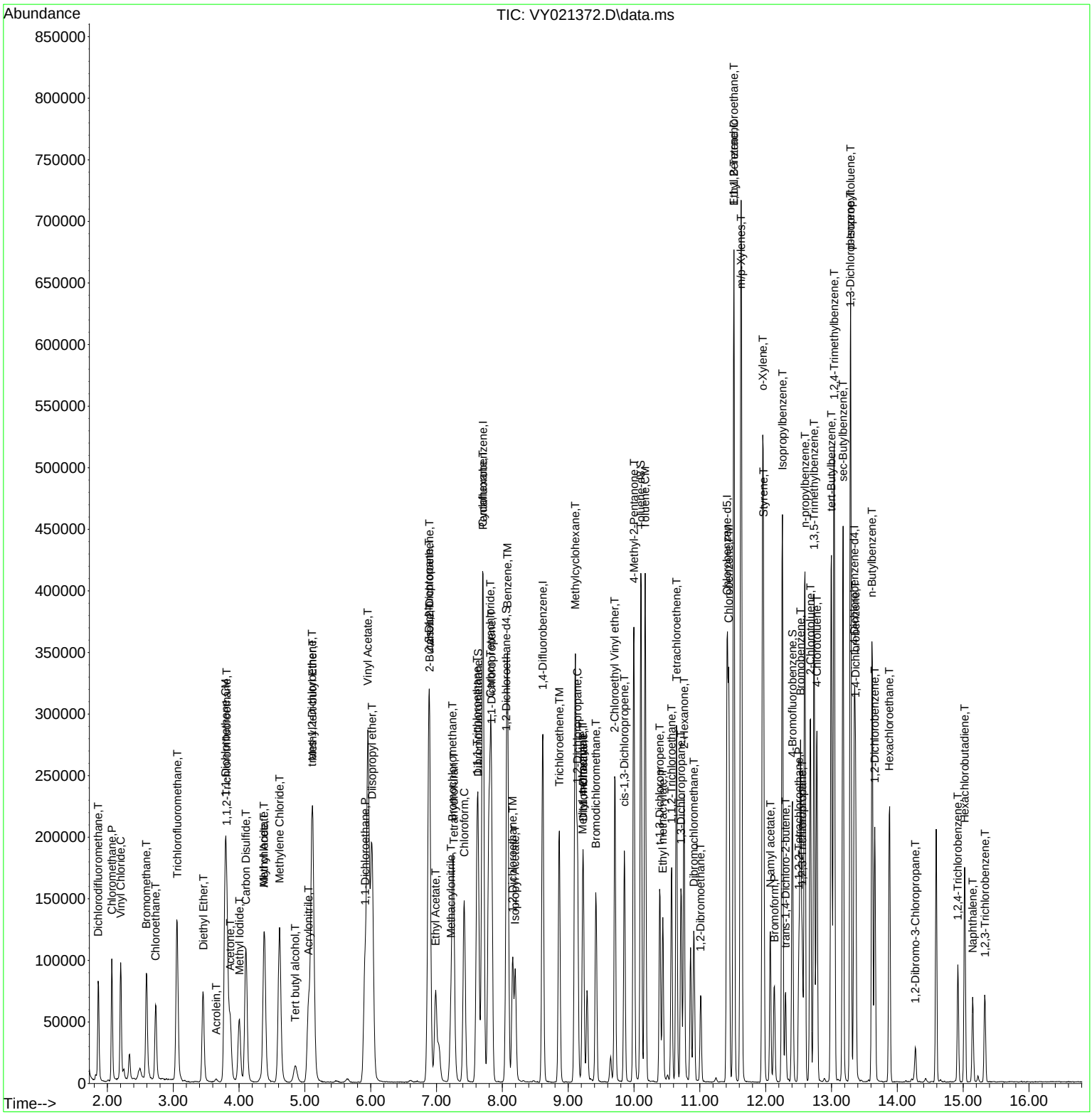
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021372.D
Acq On : 27 Feb 2025 20:38
Operator : SY/MD
Sample : Q1421-03MSD
Misc : 4.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 29 Sample Multiplier: 1

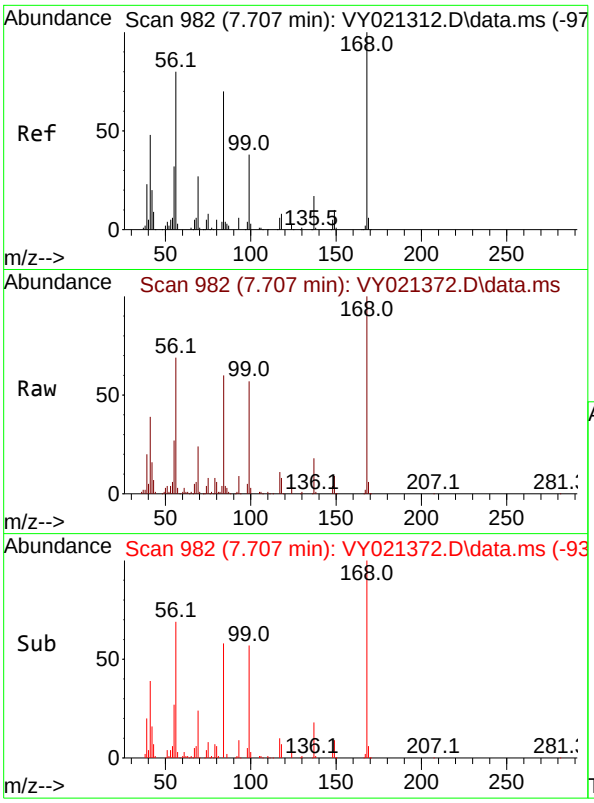
Quant Time: Feb 28 00:45:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

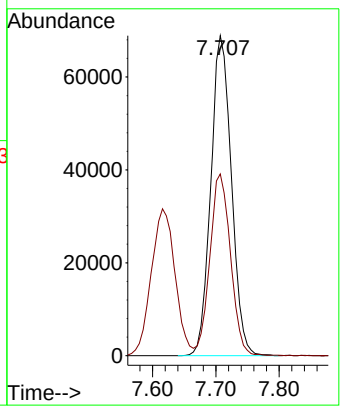
Tgt Ion:168 Resp: 15572

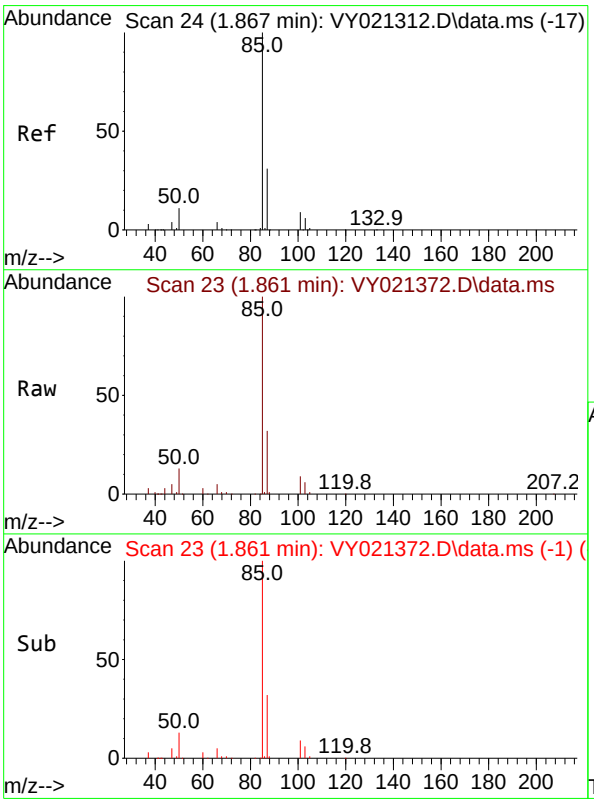
Ion	Ratio	Lower	Upper
168	100		
99	56.7	47.1	70.7

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

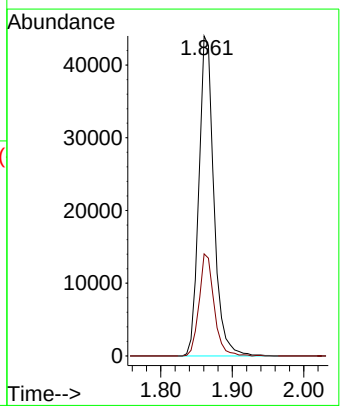


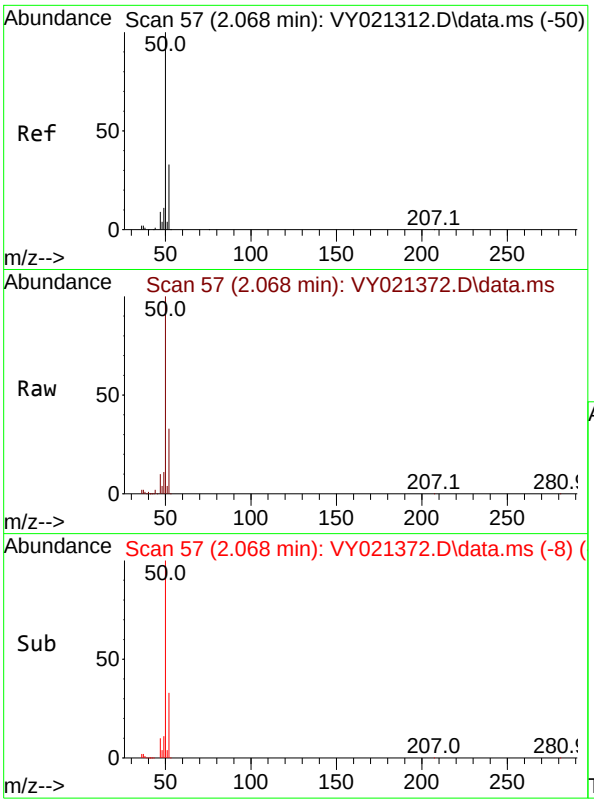


#2
Dichlorodifluoromethane
Concen: 43.525 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 85 Resp: 64264

Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.4	46.4

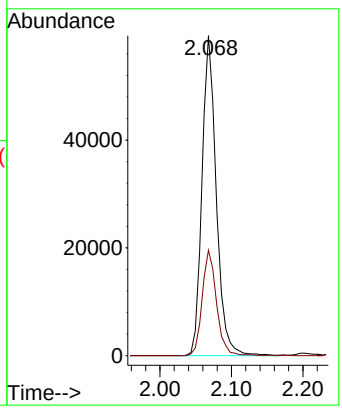




#3
Chloromethane
Concen: 43.254 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 50 Resp: 8247

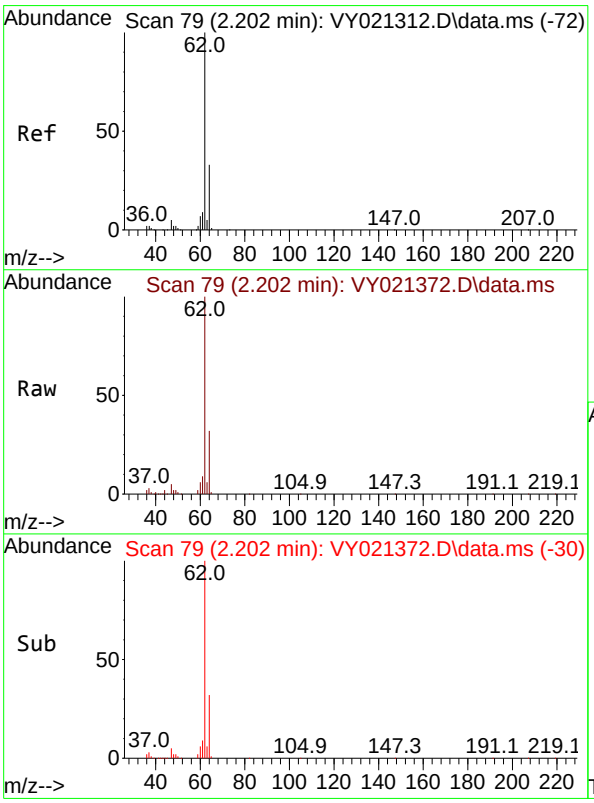
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

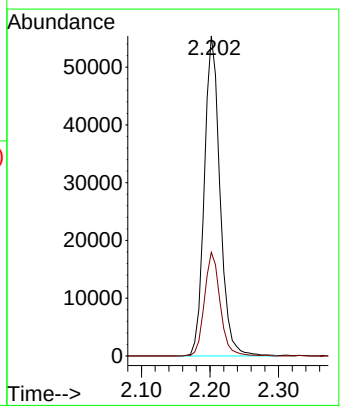
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

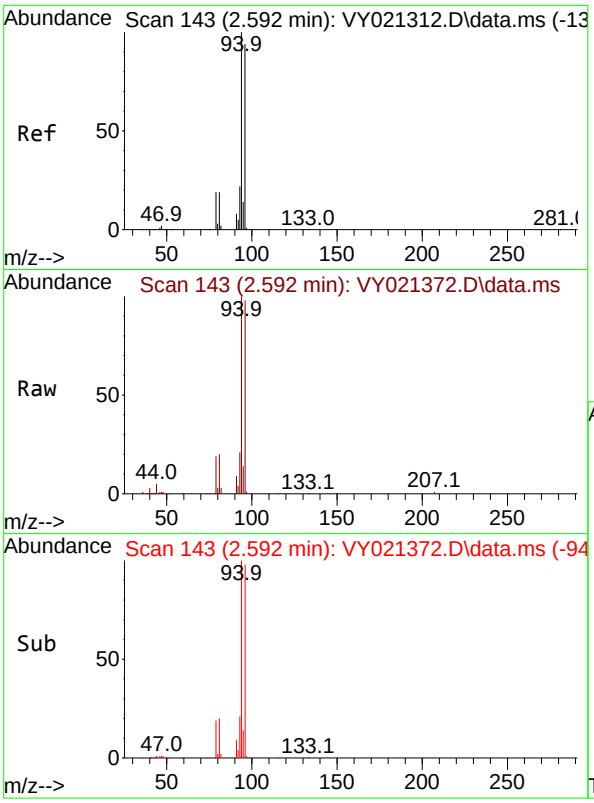


#4
Vinyl Chloride
Concen: 47.170 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 62 Resp: 88283

Ion	Ratio	Lower	Upper
62	100		
64	32.4	26.3	39.5





#5
Bromomethane
Concen: 46.491 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

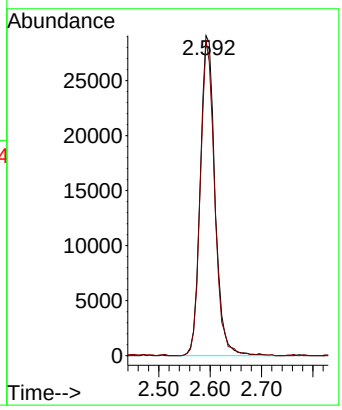
Tgt Ion: 94 Resp: 5782

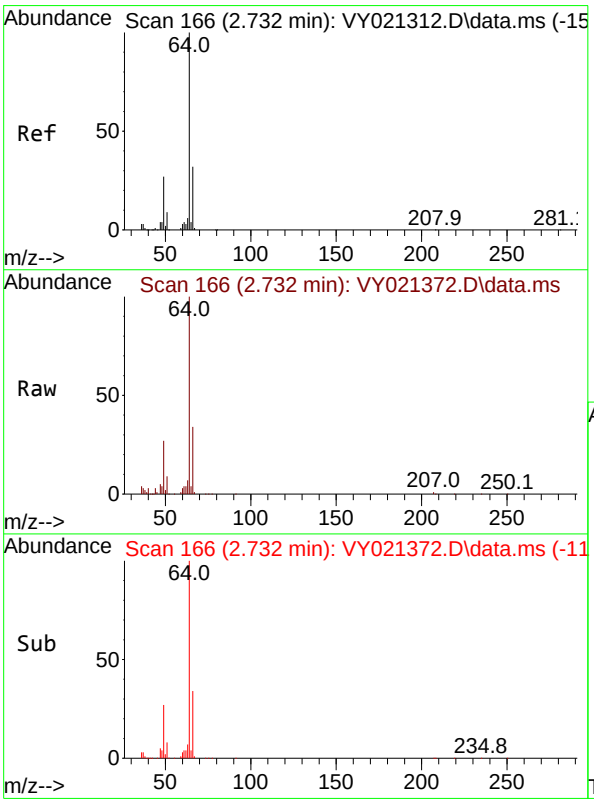
Ion	Ratio	Lower	Upper
94	100		
96	98.5	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

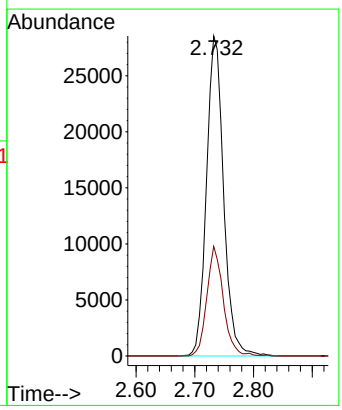


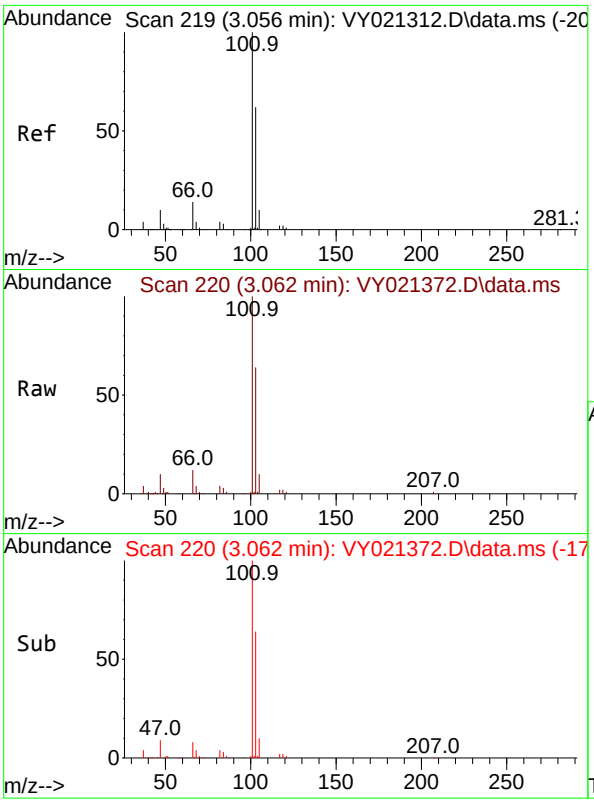


#6
Chloroethane
Concen: 49.803 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 64 Resp: 57802

Ion	Ratio	Lower	Upper
64	100		
66	34.3	25.4	38.0

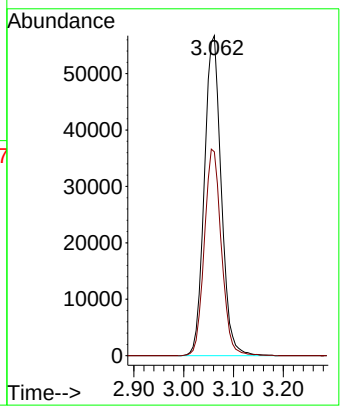




#7
Trichlorofluoromethane
Concen: 47.161 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:101 Resp: 13330

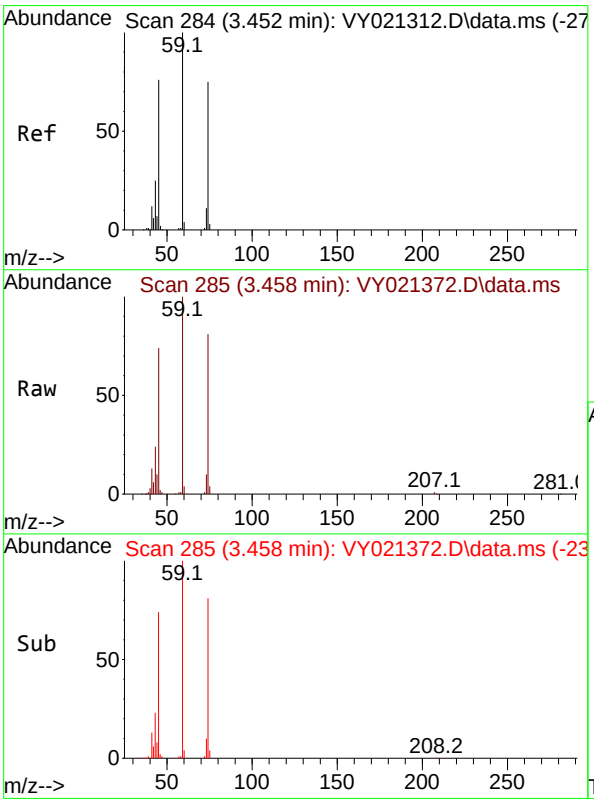
Ion	Ratio	Lower	Upper
101	100		
103	63.7	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

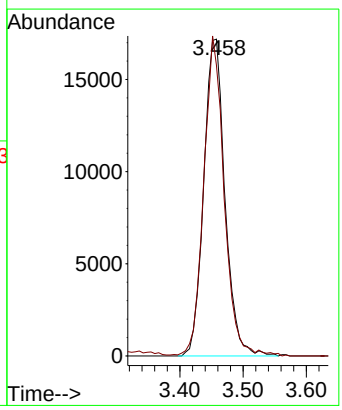
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

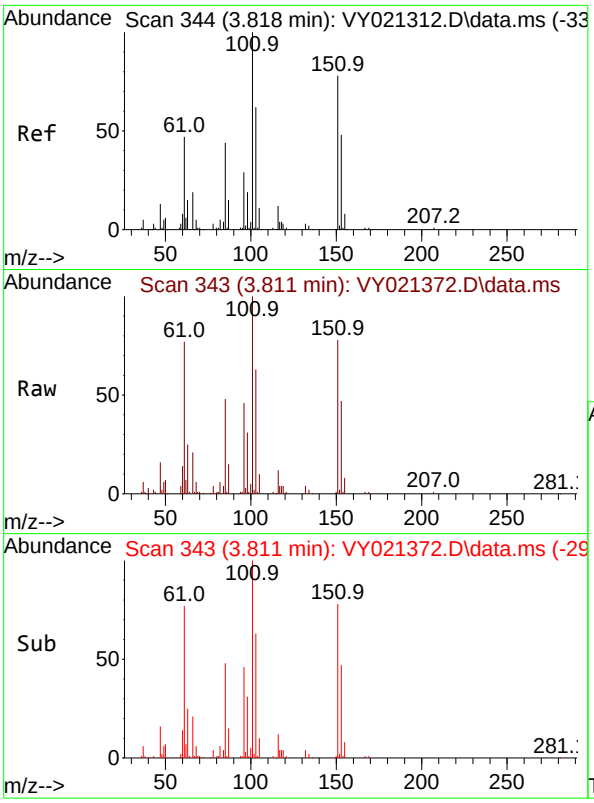


#8
Diethyl Ether
Concen: 47.332 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 74 Resp: 40154

Ion	Ratio	Lower	Upper
74	100		
45	97.3	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.802 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

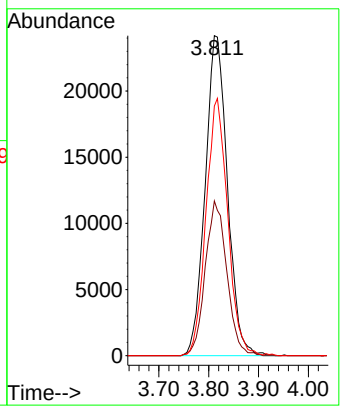
Tgt Ion:101 Resp: 7495

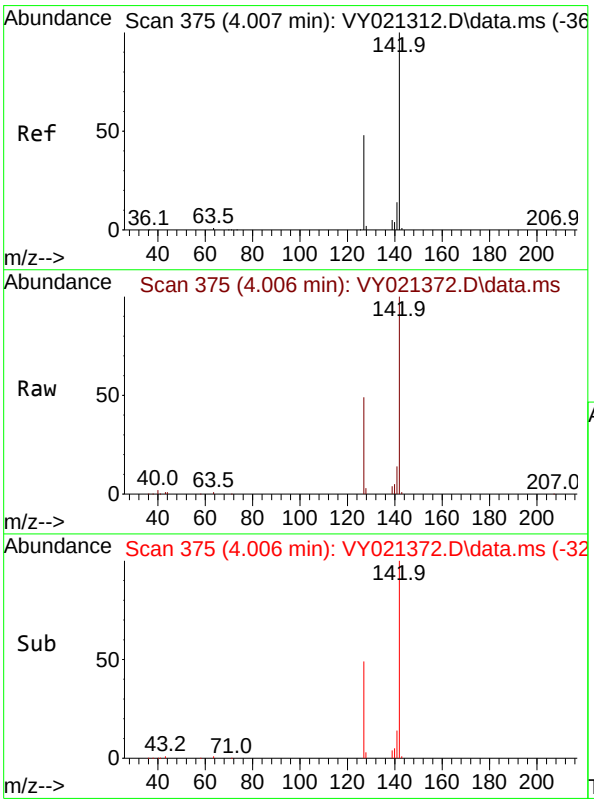
Ion	Ratio	Lower	Upper
101	100		
85	46.8	36.7	55.1
151	78.3	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

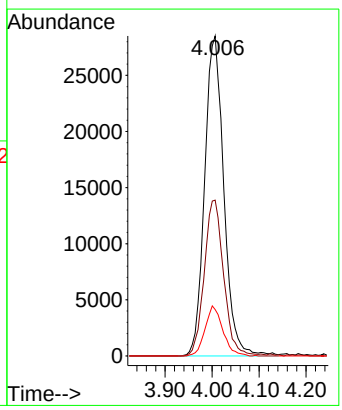


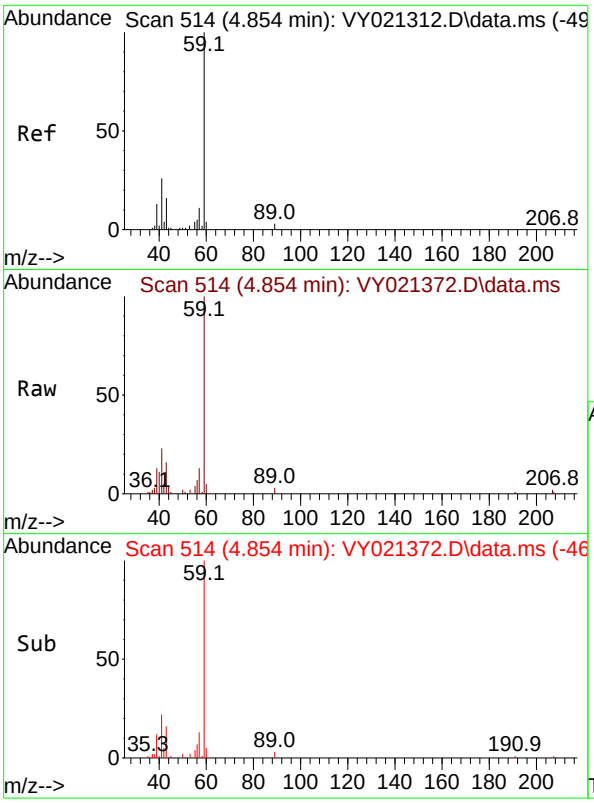


#10
Methyl Iodide
Concen: 47.000 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:142 Resp: 80916

Ion	Ratio	Lower	Upper
142	100		
127	49.1	39.2	58.8
141	14.4	11.4	17.2

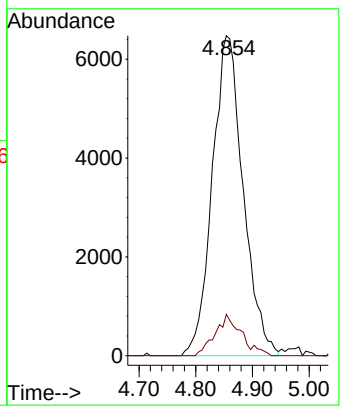




#11
Tert butyl alcohol
Concen: 180.017 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 59 Resp: 2446

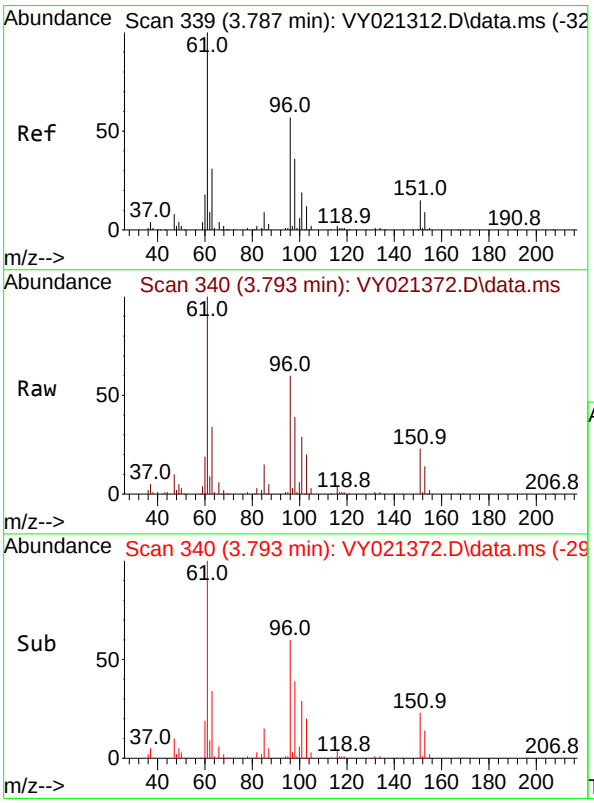
Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

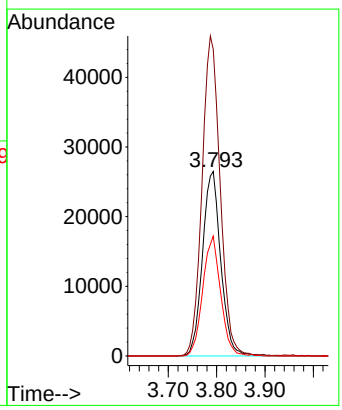
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

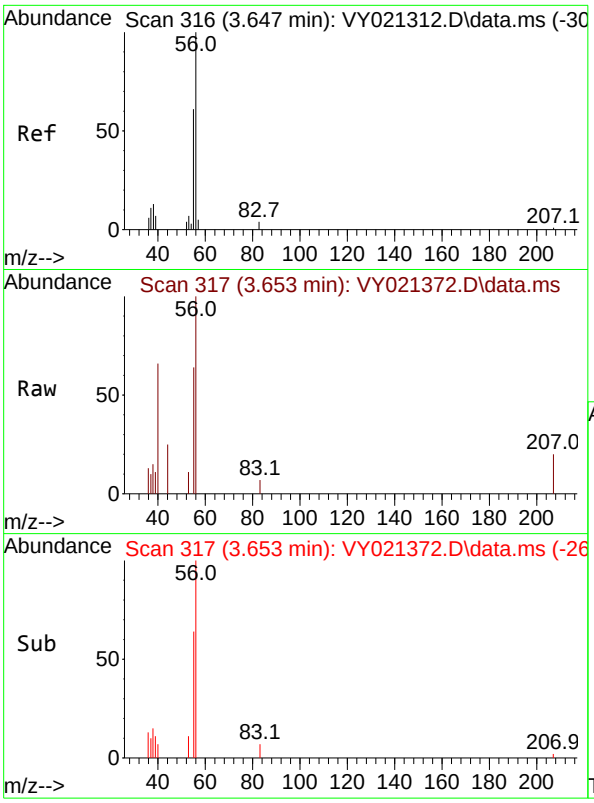


#12
1,1-Dichloroethene
Concen: 44.370 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 96 Resp: 69523

Ion	Ratio	Lower	Upper
96	100		
61	166.2	139.7	209.5
98	64.9	49.7	74.5

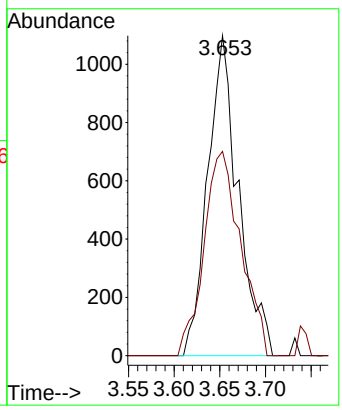




#13
Acrolein
Concen: 24.509 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 56 Resp: 255

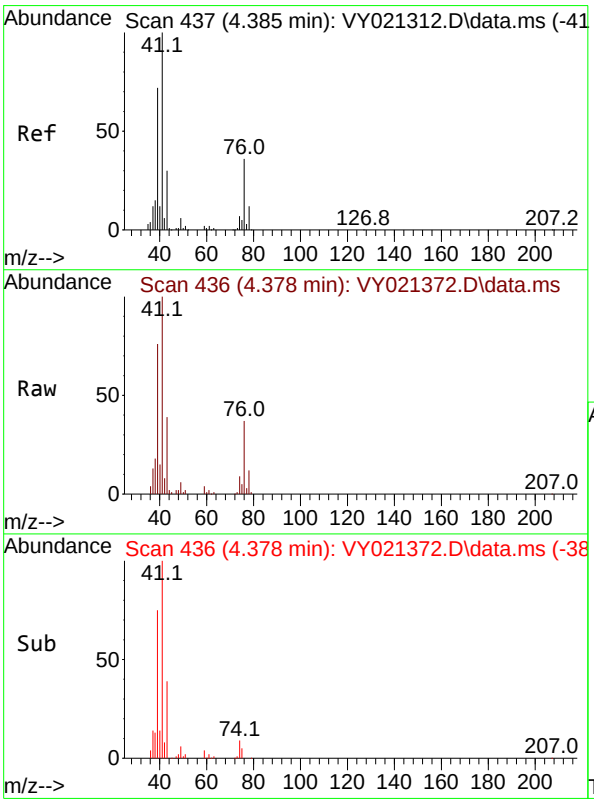
Ion	Ratio	Lower	Upper
56	100		
55	76.8	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

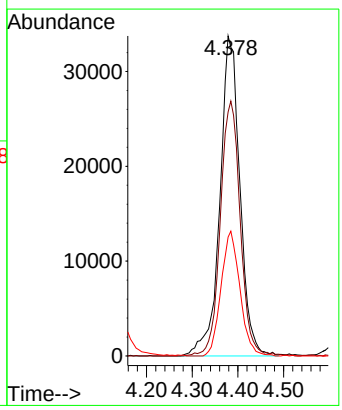
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

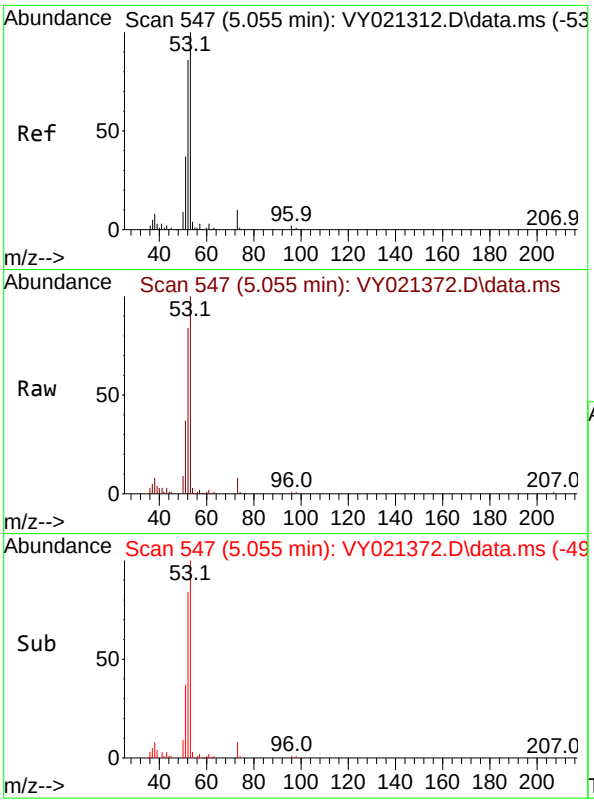


#14
Allyl chloride
Concen: 37.068 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 41 Resp: 102978

Ion	Ratio	Lower	Upper
41	100		
39	79.1	60.0	90.0
76	36.7	29.0	43.6





#15
Acrylonitrile
Concen: 222.570 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

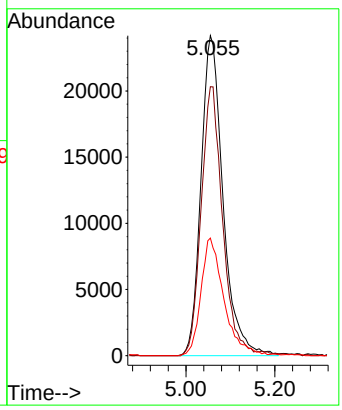
Tgt Ion: 53 Resp: 8348

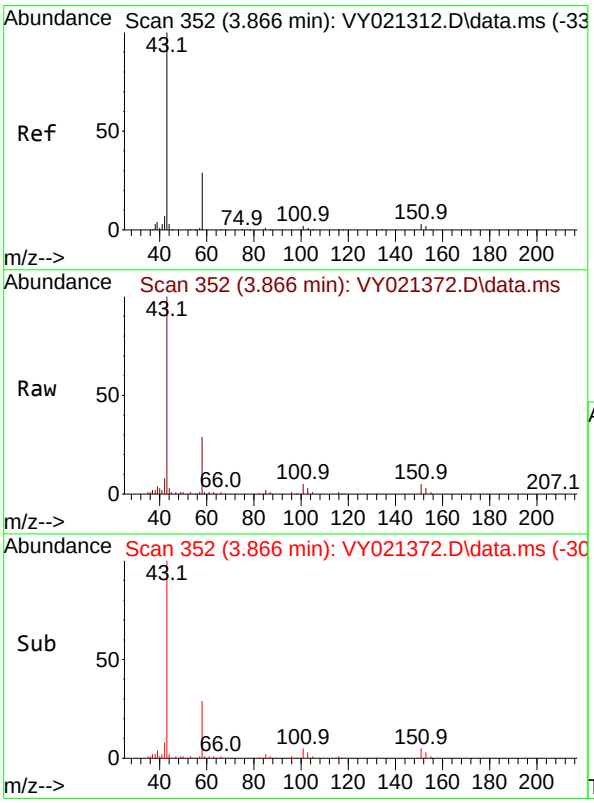
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.5	98.3
51	38.3	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

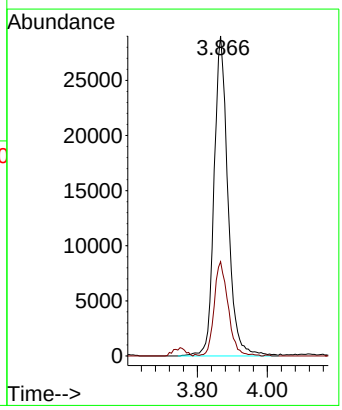


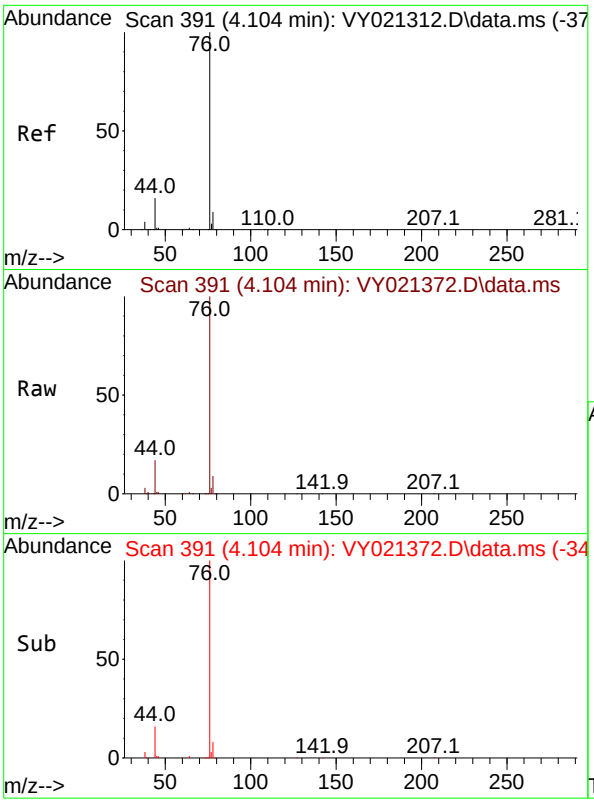


#16
Acetone
Concen: 236.075 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 43 Resp: 79999

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.5	35.3





#17
Carbon Disulfide
Concen: 41.697 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

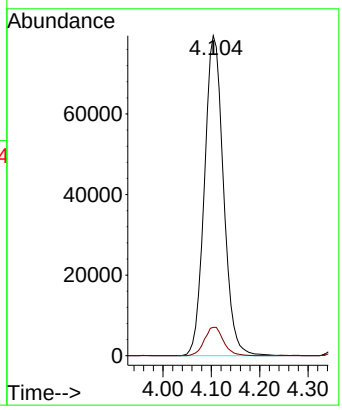
Tgt Ion: 76 Resp: 21695

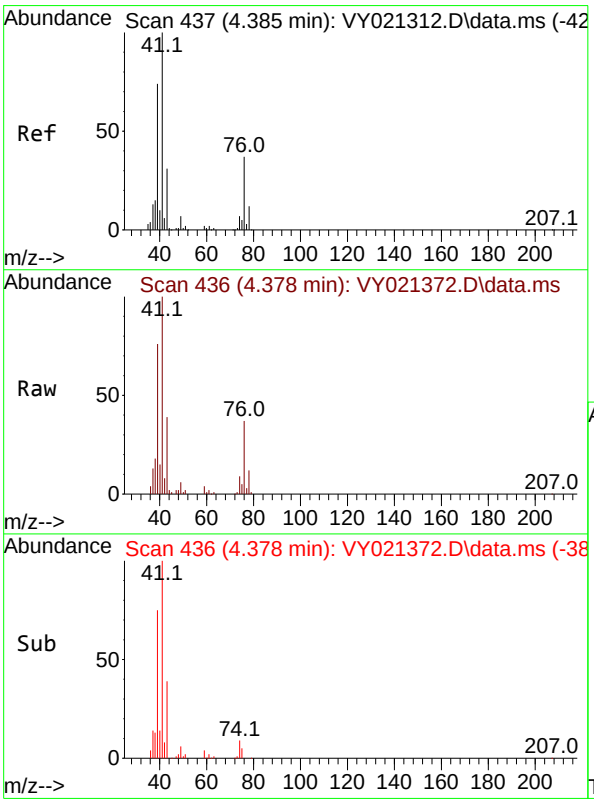
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

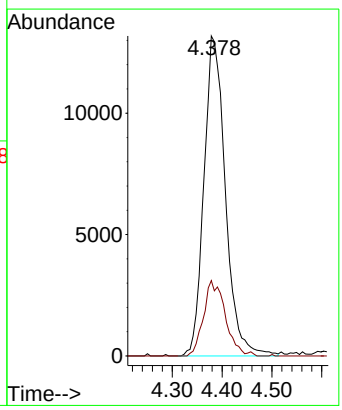


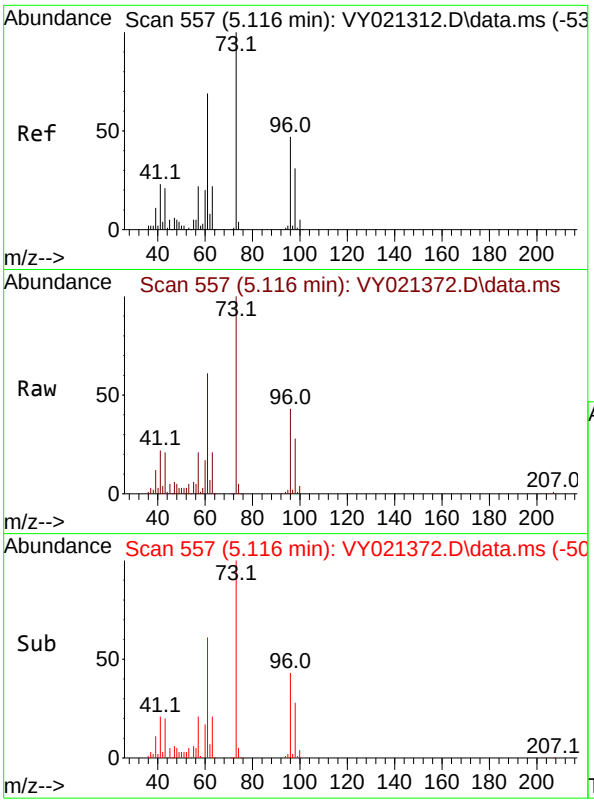


#18
Methyl Acetate
Concen: 47.603 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 43 Resp: 39423

Ion	Ratio	Lower	Upper
43	100		
74	24.0	17.7	26.5

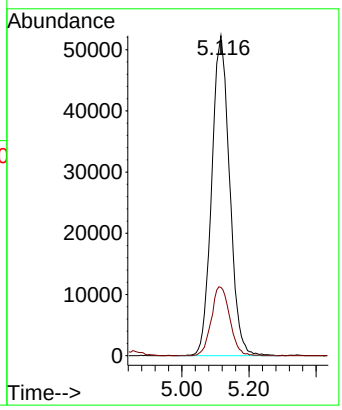




#19
Methyl tert-butyl Ether
Concen: 46.744 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 73 Resp: 19351

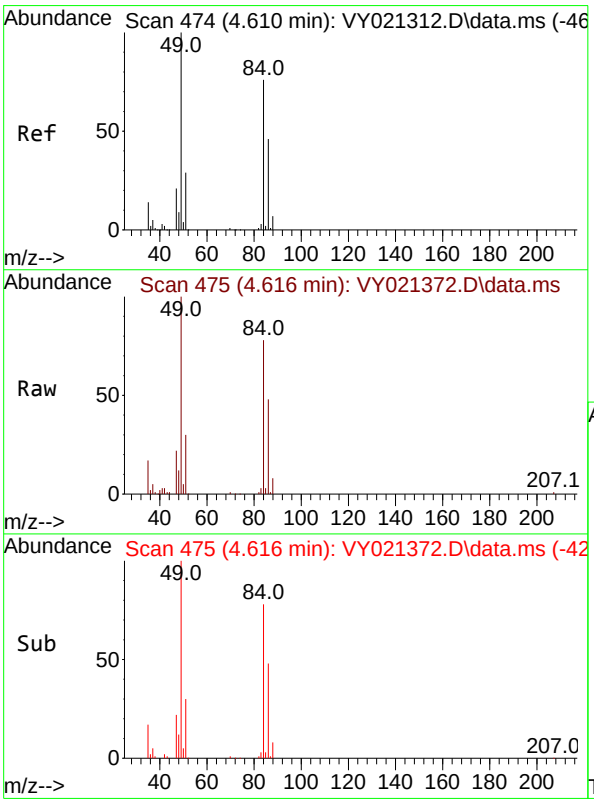
Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

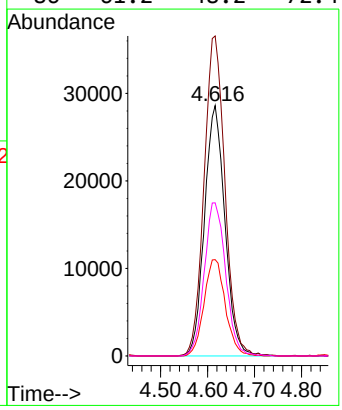
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

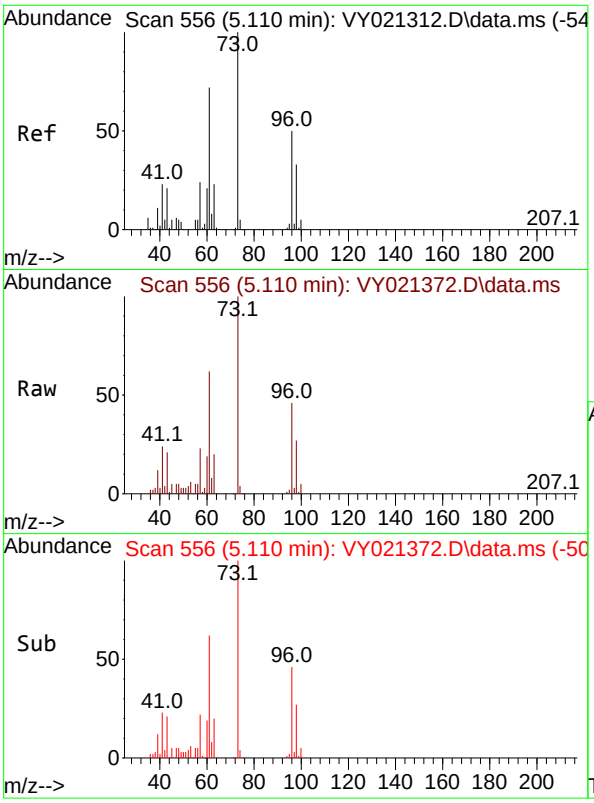


#20
Methylene Chloride
Concen: 47.275 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 84 Resp: 86630

Ion	Ratio	Lower	Upper
84	100		
49	127.8	105.1	157.7
51	38.5	31.0	46.4
86	61.2	48.2	72.4

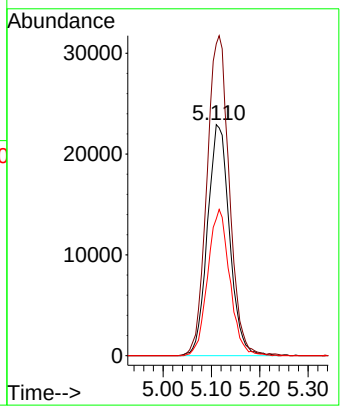




#21
trans-1,2-Dichloroethene
Concen: 42.053 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 96 Resp: 7253

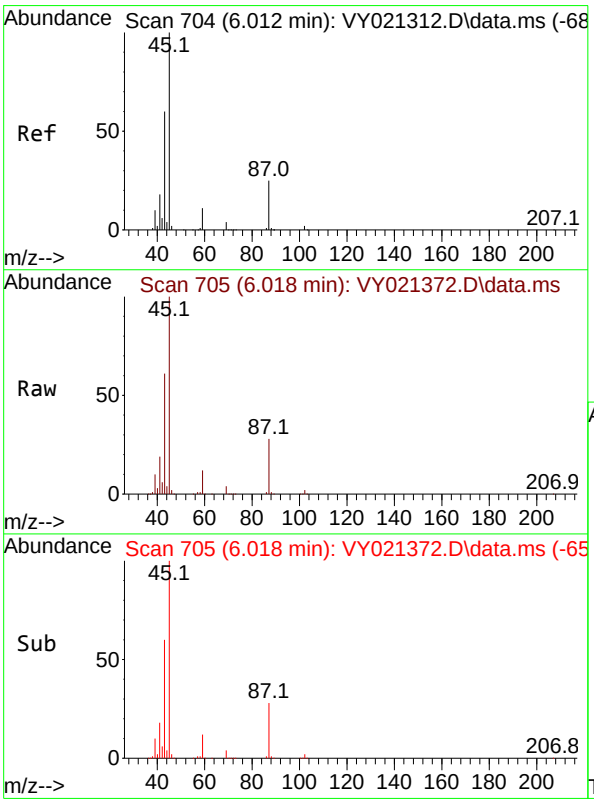
Ion	Ratio	Lower	Upper
96	100		
61	135.0	116.3	174.5
98	59.2	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

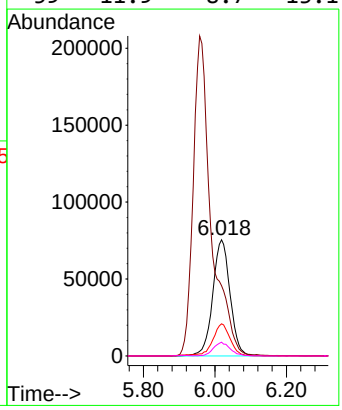
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

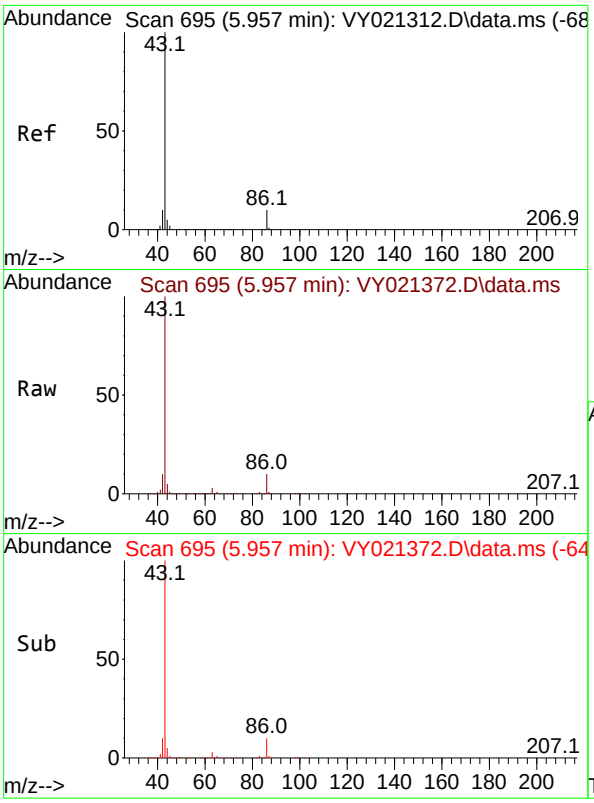


#22
Diisopropyl ether
Concen: 44.216 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 45 Resp: 254188

Ion	Ratio	Lower	Upper
45	100		
43	60.1	48.2	72.4
87	27.7	20.3	30.5
59	11.9	8.7	13.1





#23
Vinyl Acetate
Concen: 211.500 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

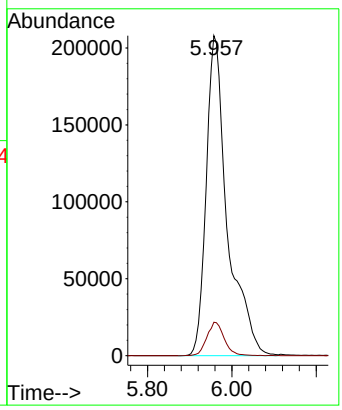
Tgt Ion: 43 Resp: 72656

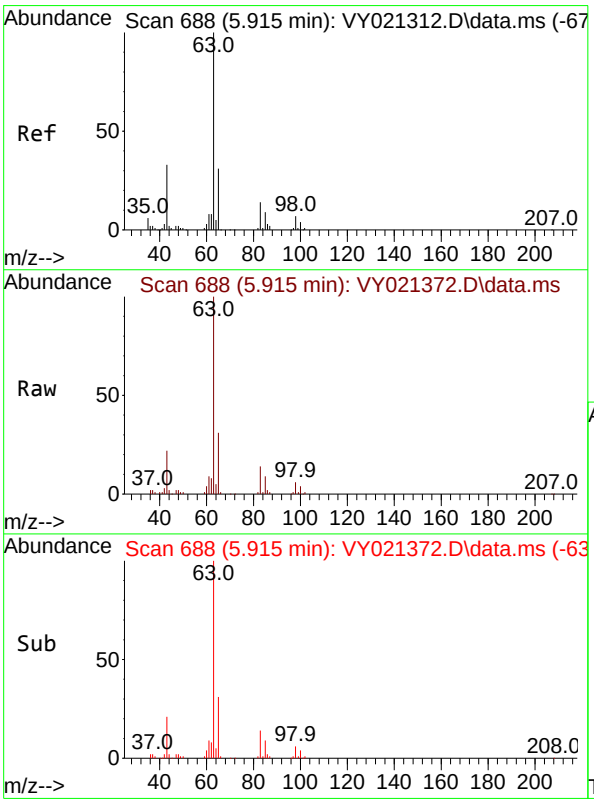
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

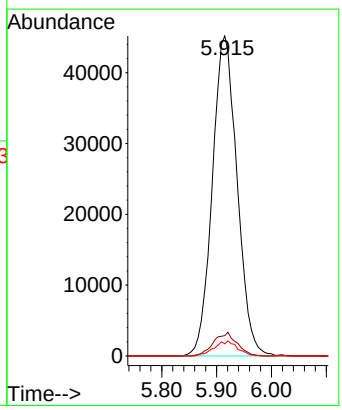


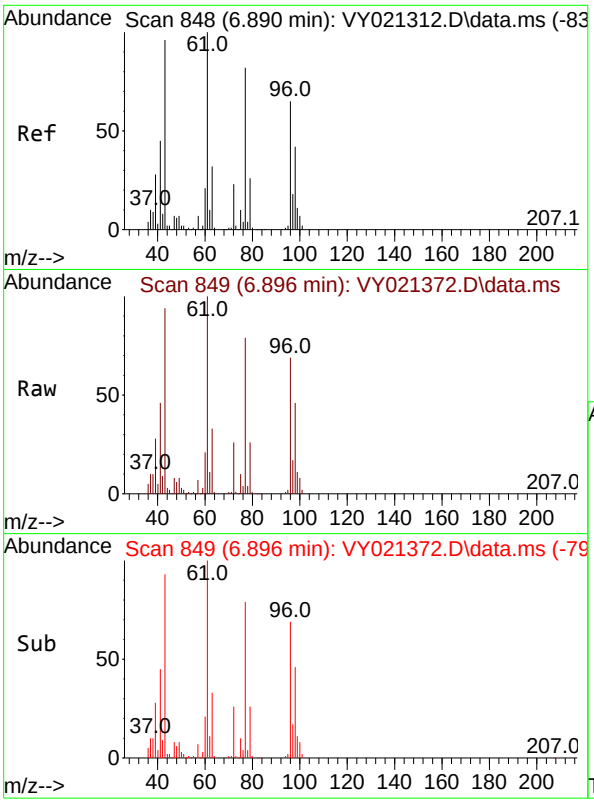


#24
1,1-Dichloroethane
Concen: 43.809 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 63 Resp: 141947

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.7	11.1
100	3.8	2.1	6.5





#25
2-Butanone
Concen: 210.560 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

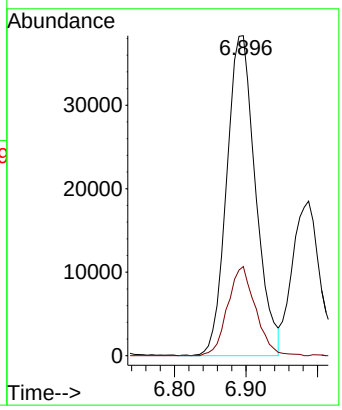
Tgt Ion: 43 Resp: 10768

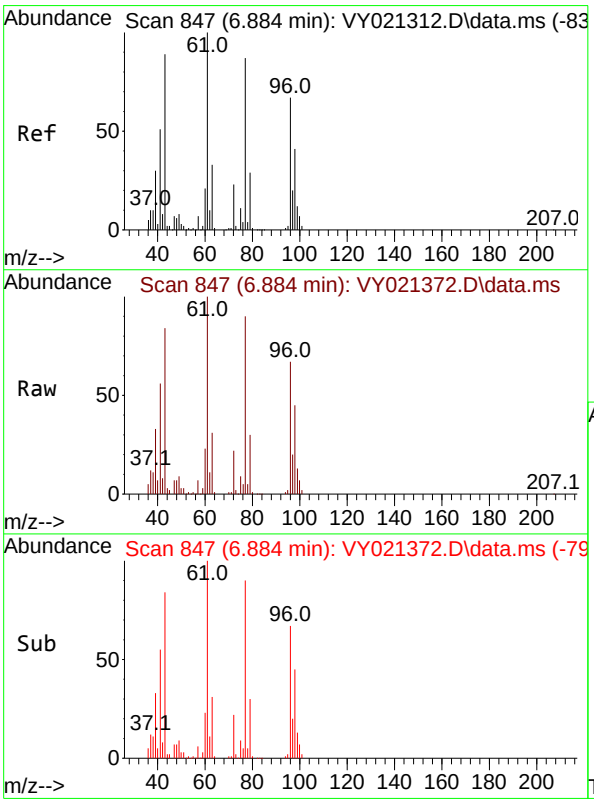
Ion	Ratio	Lower	Upper
43	100		
72	27.9	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

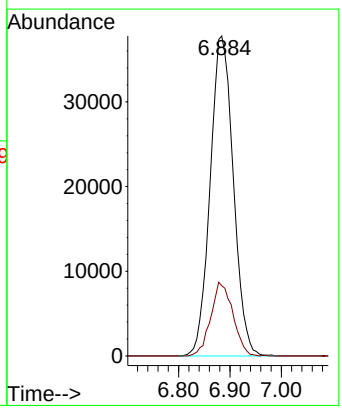


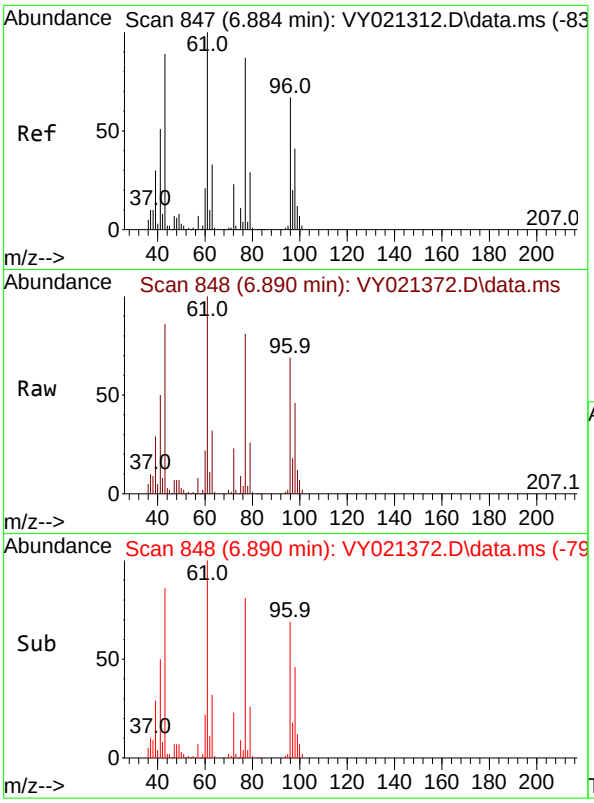


#26
2,2-Dichloropropane
Concen: 40.268 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 77 Resp: 118389

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 41.526 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

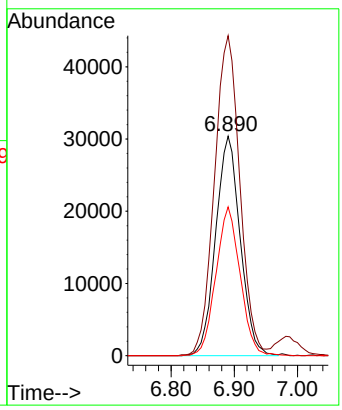
Tgt Ion: 96 Resp: 8179

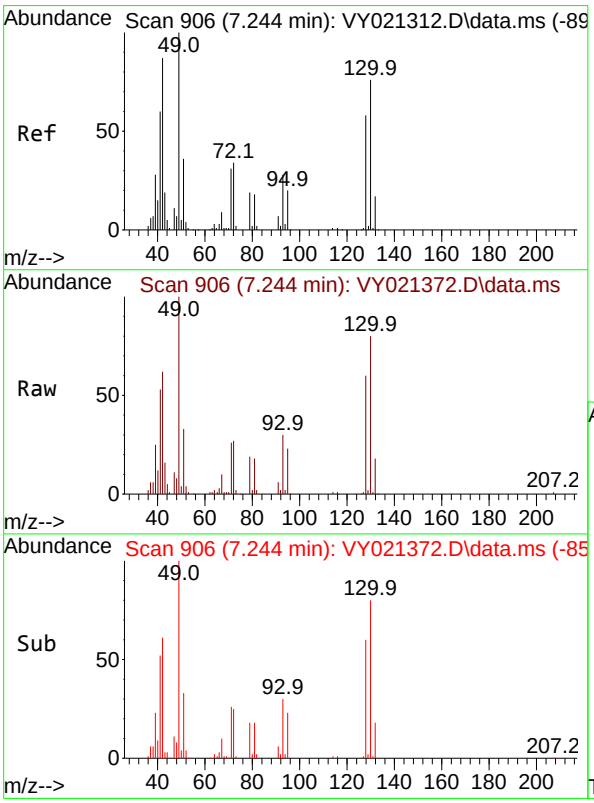
Ion	Ratio	Lower	Upper
96	100		
61	151.2	0.0	308.0
98	67.0	0.0	129.6

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

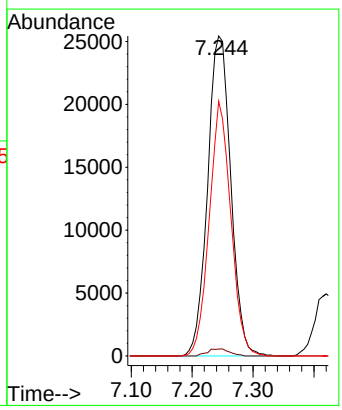


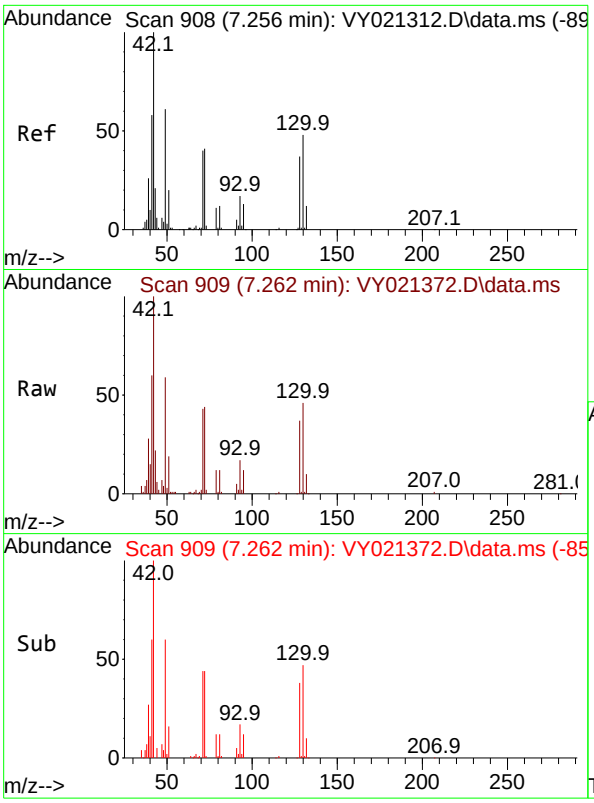


#28
Bromochloromethane
Concen: 46.940 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 49 Resp: 67297

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	74.1	57.8	86.6





#29
Tetrahydrofuran
Concen: 216.471 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

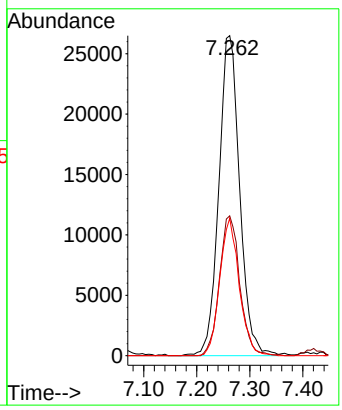
Tgt Ion: 42 Resp: 7236(

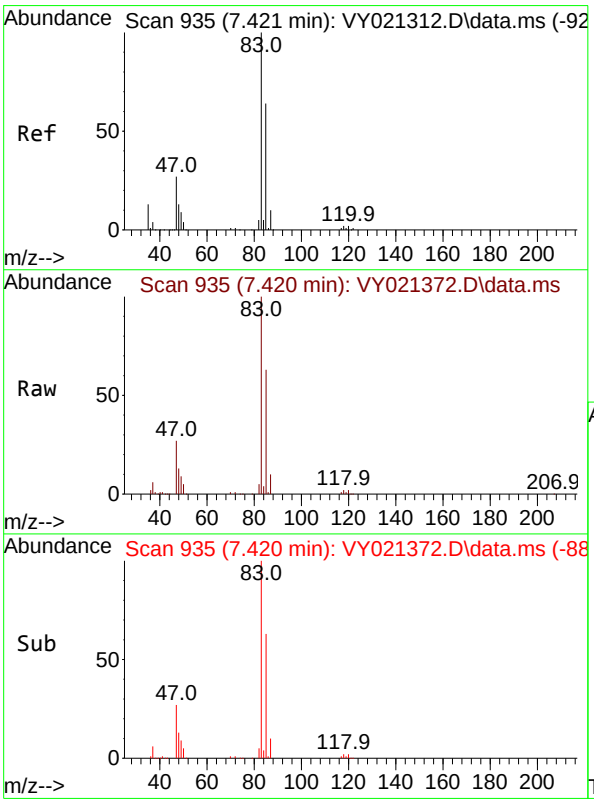
Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.1	49.7
71	40.1	31.4	47.0

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

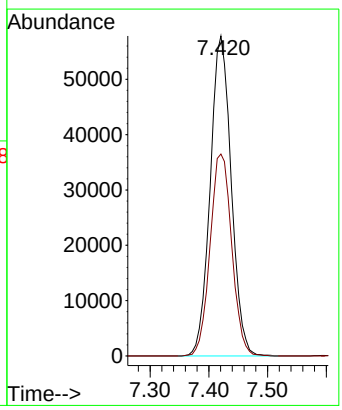


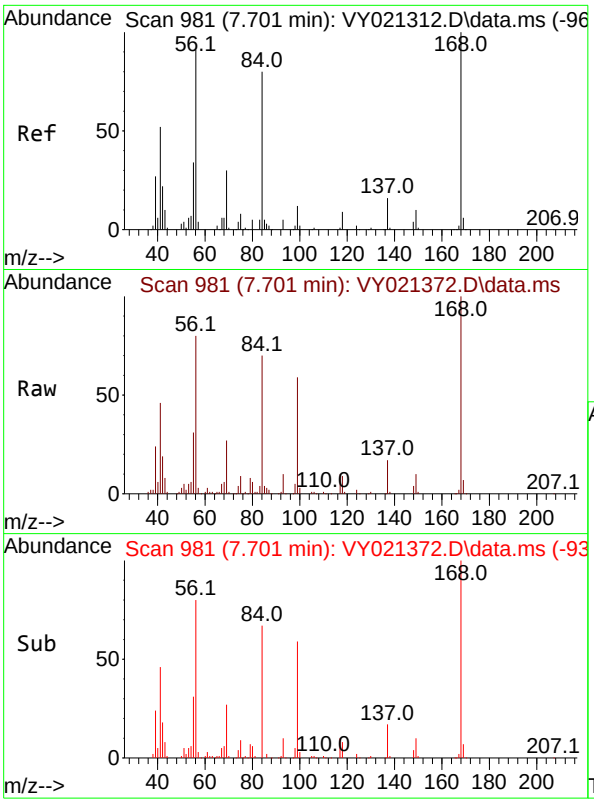


#30
Chloroform
Concen: 43.727 ug/l
RT: 7.420 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 83 Resp: 143563

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.6	77.4

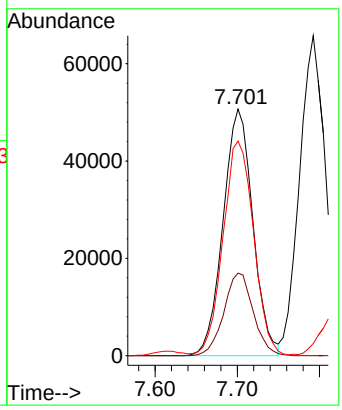




#31
Cyclohexane
Concen: 41.072 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 56 Resp: 12792

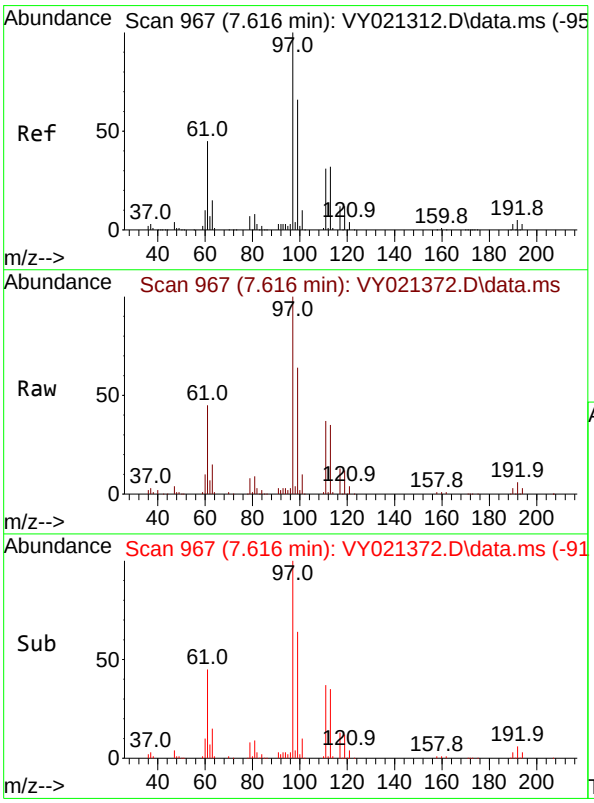
Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.2	39.4
84	85.7	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

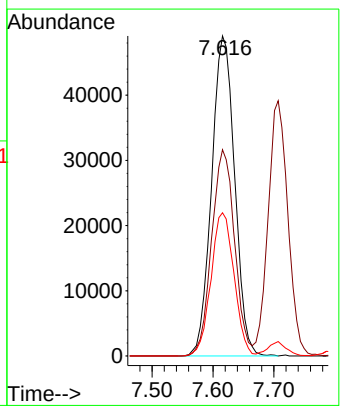
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

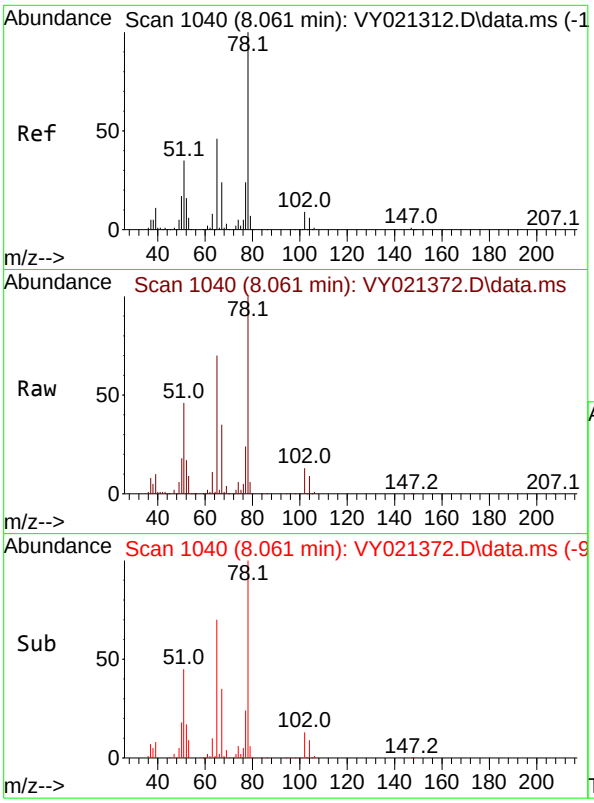


#32
1,1,1-Trichloroethane
Concen: 43.158 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 97 Resp: 128975

Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.4	78.6
61	44.8	36.2	54.2





#33
1,2-Dichloroethane-d4
Concen: 50.184 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

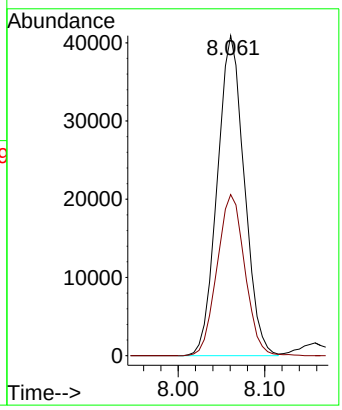
Tgt Ion: 65 Resp: 8865

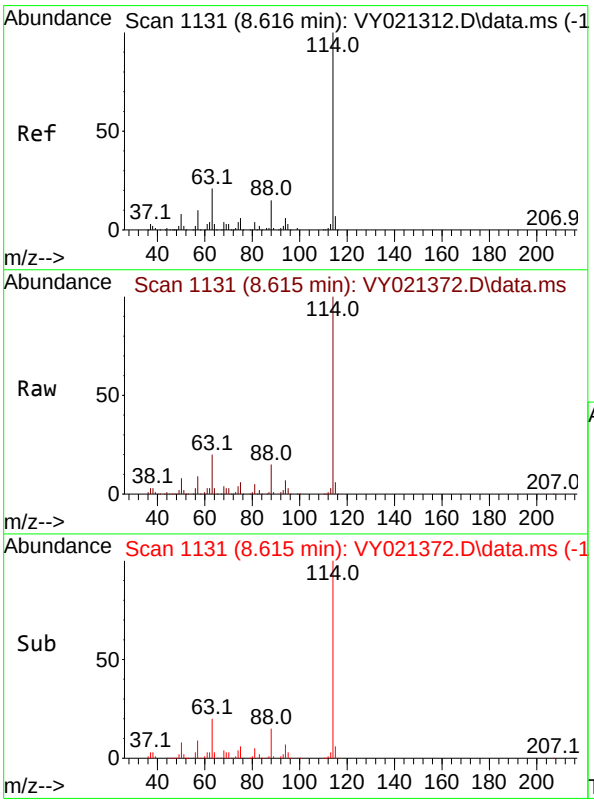
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.6

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

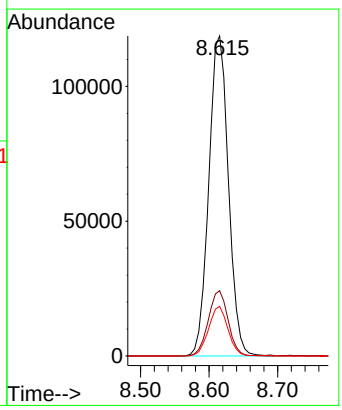


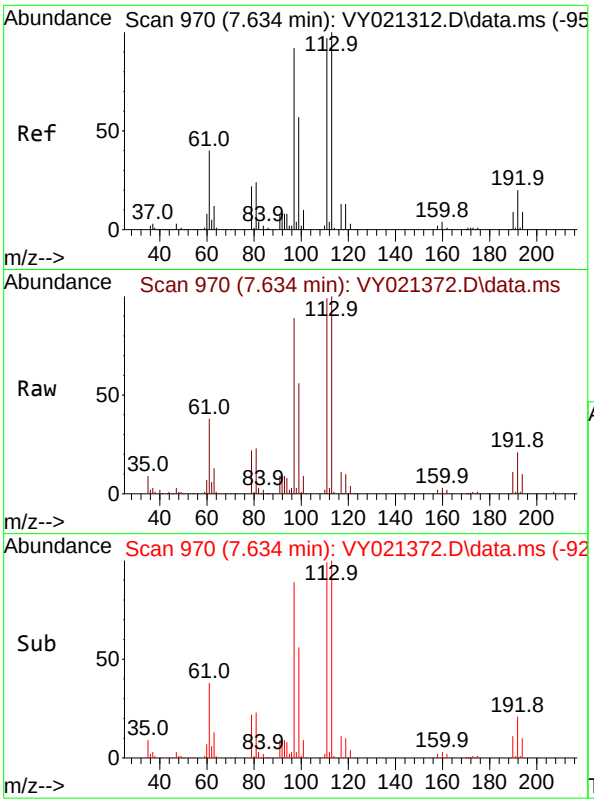


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:114 Resp: 236506

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.2
88	15.5	0.0	29.8

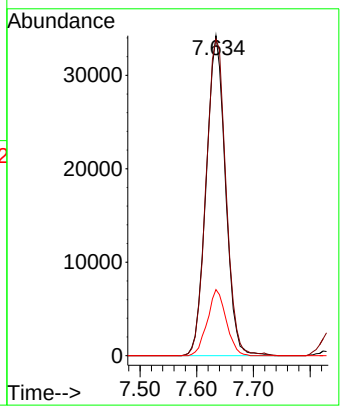




#35
Dibromofluoromethane
Concen: 51.993 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:113 Resp: 8061

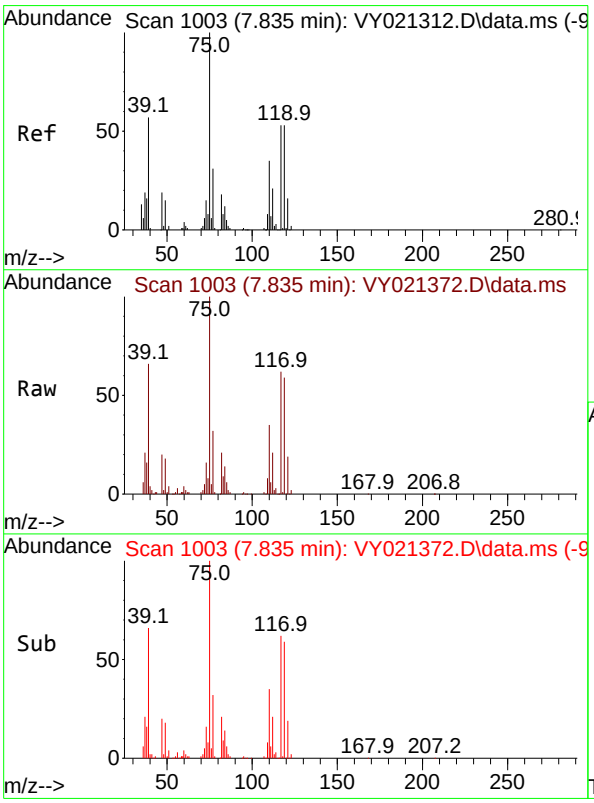
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.0	121.6
192	20.2	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

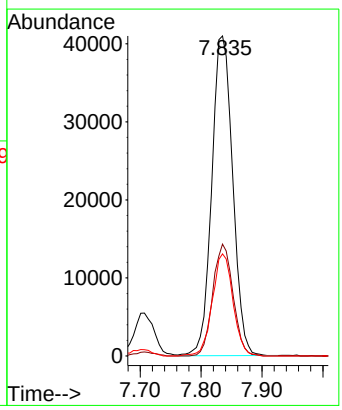
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

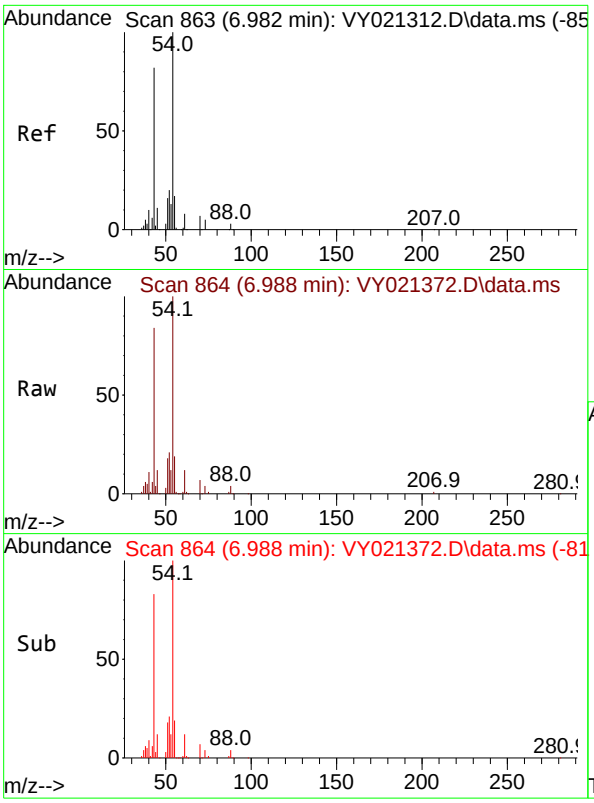


#36
1,1-Dichloropropene
Concen: 42.048 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 75 Resp: 97934

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	31.5	24.6	36.8

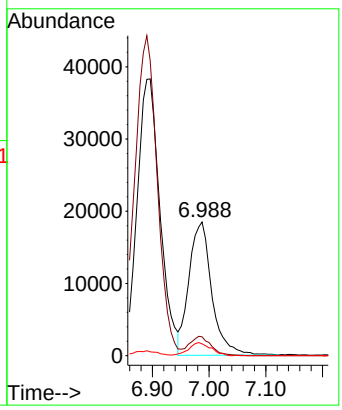




#37
Ethyl Acetate
Concen: 44.714 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 43 Resp: 5180

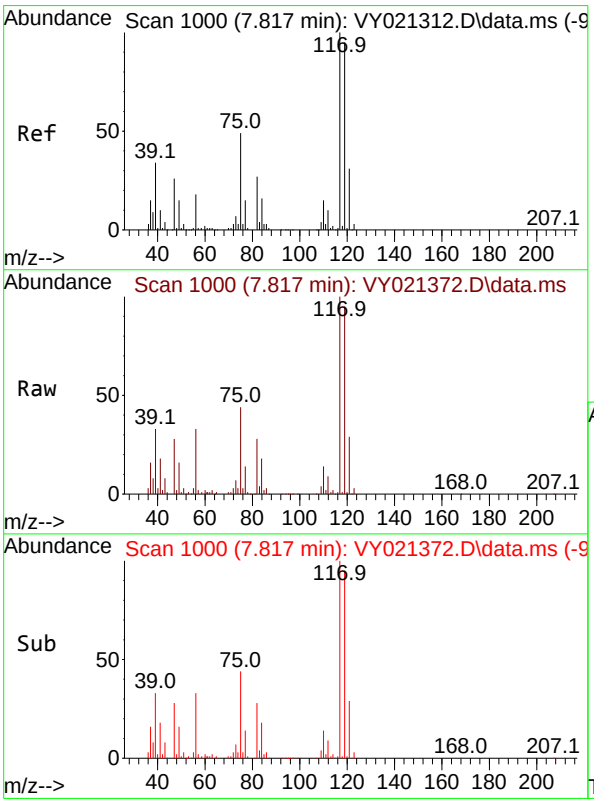
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	9.5	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

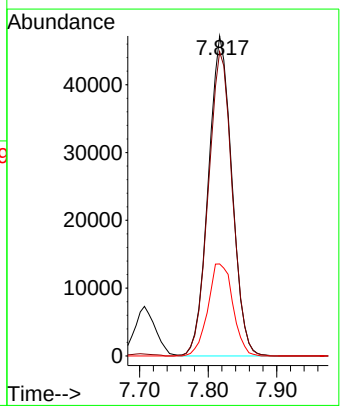
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

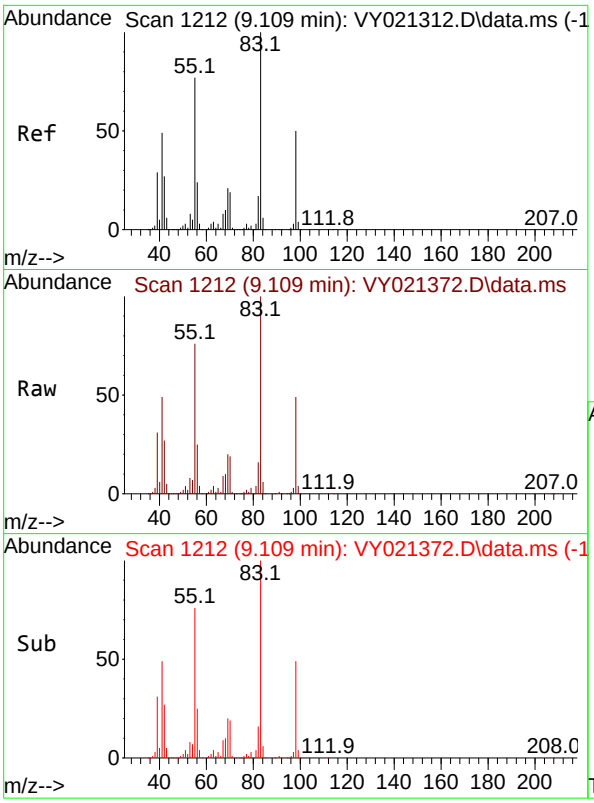


#38
Carbon Tetrachloride
Concen: 42.999 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:117 Resp: 112590

Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.0	114.0
121	28.8	24.9	37.3





#39
Methylcyclohexane
Concen: 45.314 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

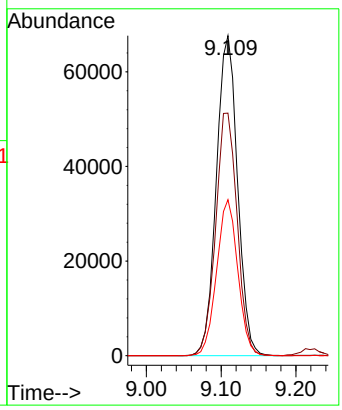
Tgt Ion: 83 Resp: 13349

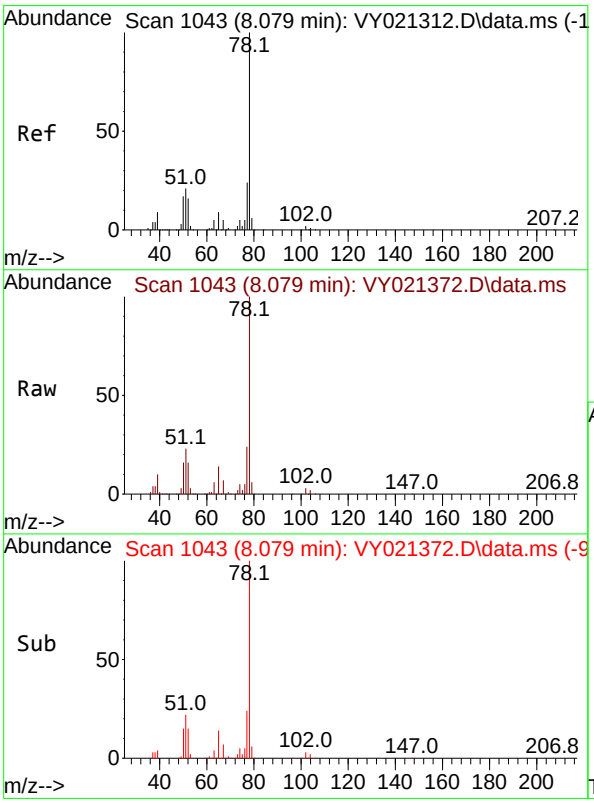
Ion	Ratio	Lower	Upper
83	100		
55	75.8	61.3	91.9
98	48.8	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

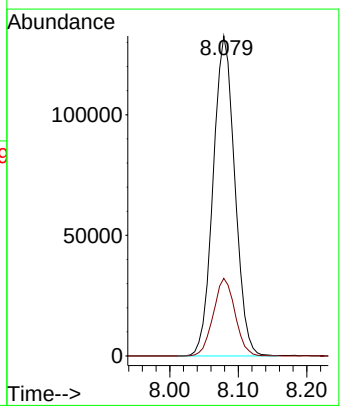


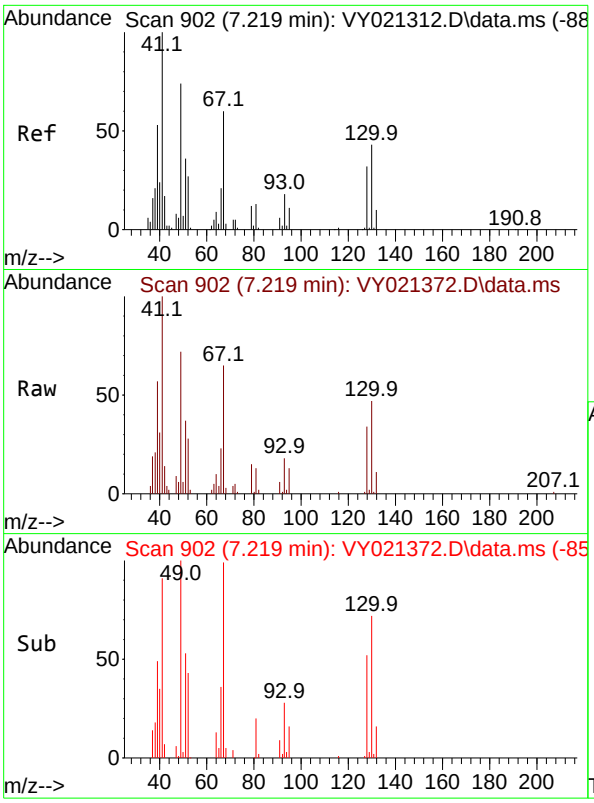


#40
Benzene
Concen: 42.322 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 78 Resp: 291386

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8

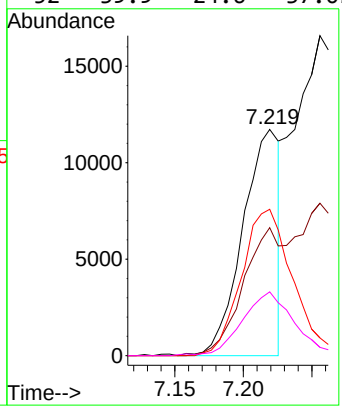




#41
Methacrylonitrile
Concen: 33.961 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 41 Resp: 2199

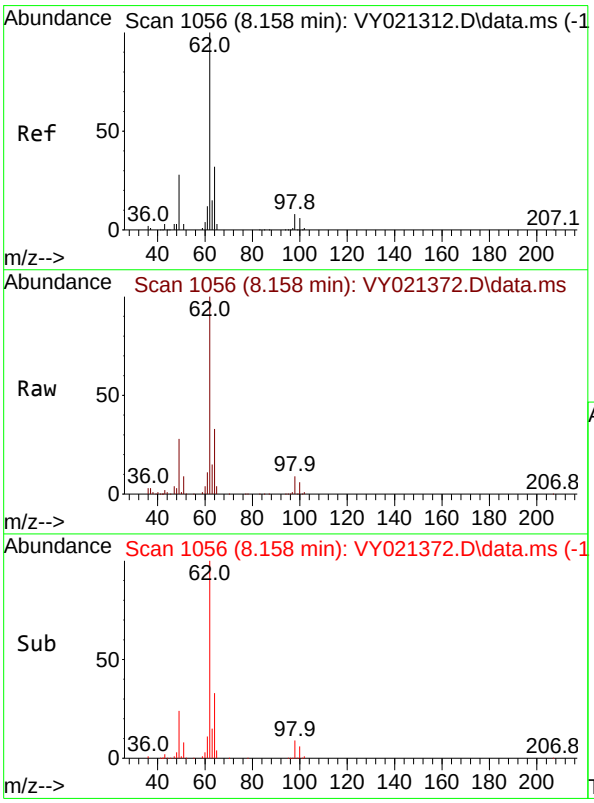
Ion	Ratio	Lower	Upper
41	100		
39	64.5	42.3	63.5#
67	90.6	54.8	82.2#
52	39.9	24.6	37.0#



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

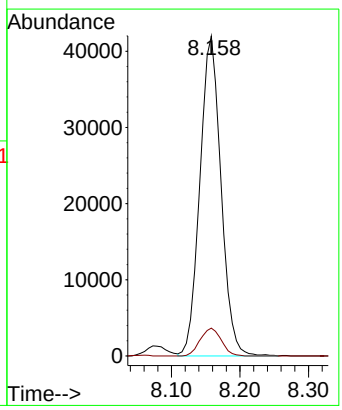
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

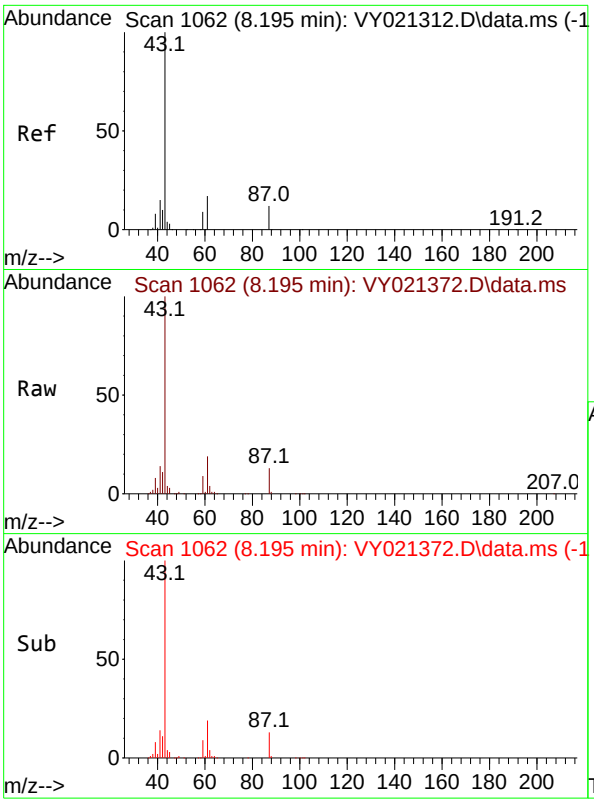


#42
1,2-Dichloroethane
Concen: 46.137 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 62 Resp: 90124

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6





#43
Isopropyl Acetate
Concen: 44.596 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

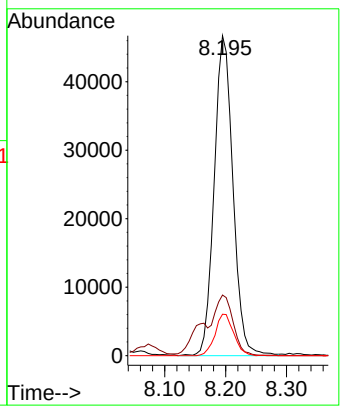
Tgt Ion: 43 Resp: 10000

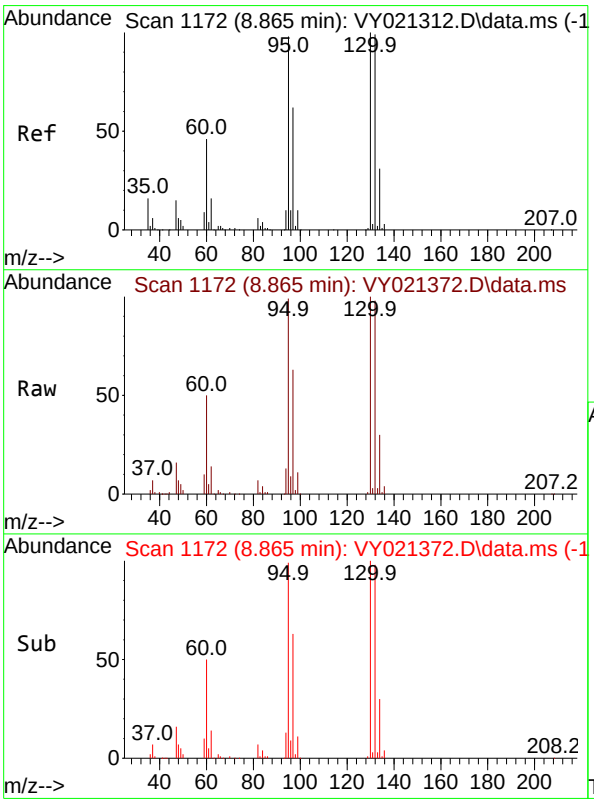
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.0	22.6
87	12.9	10.0	15.0

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

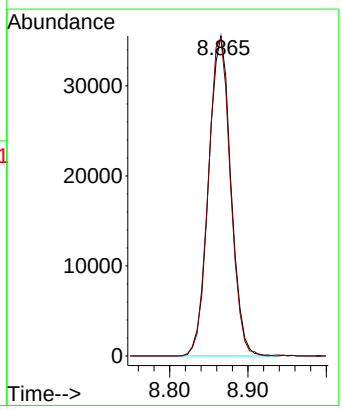


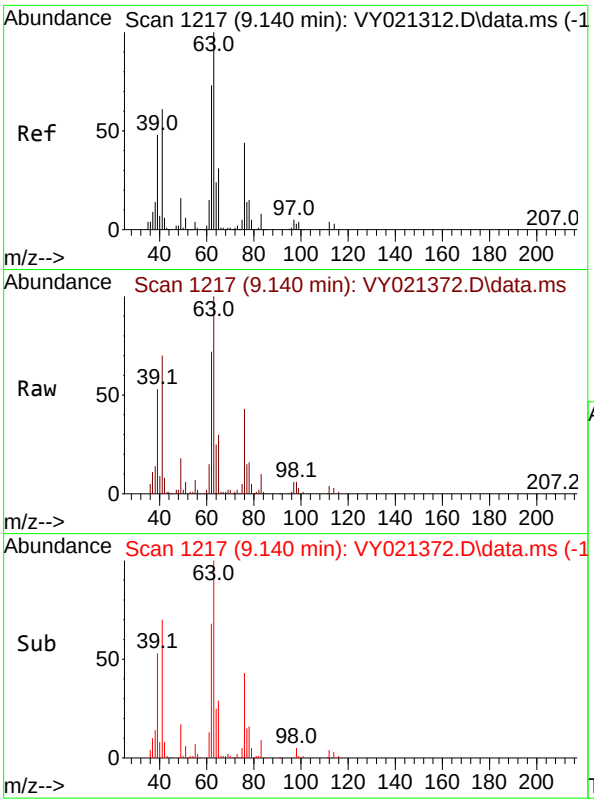


#44
Trichloroethene
Concen: 40.631 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:130 Resp: 70038

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	196.0





#45
1,2-Dichloropropane
Concen: 41.575 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

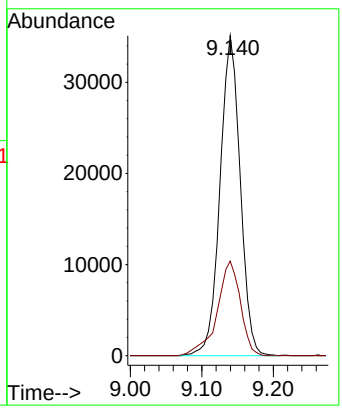
Tgt Ion: 63 Resp: 6888

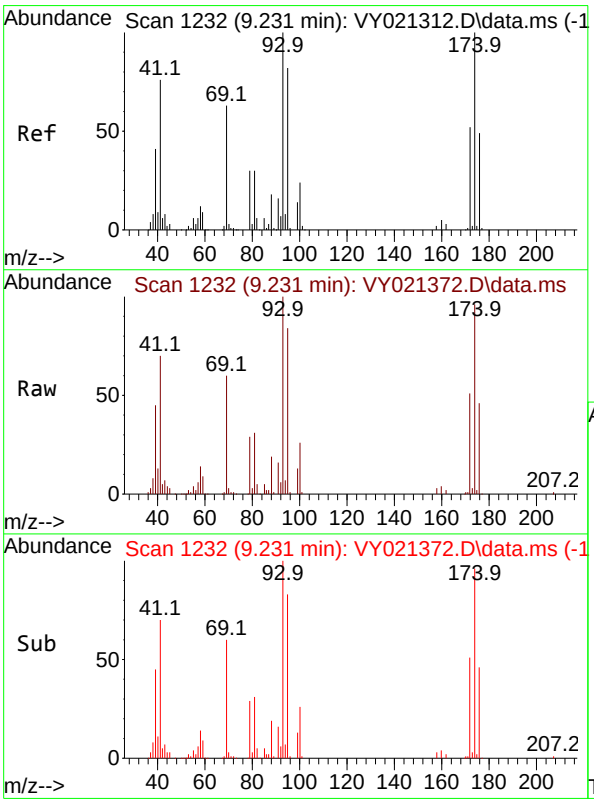
Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

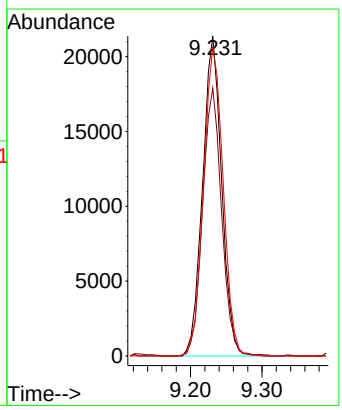


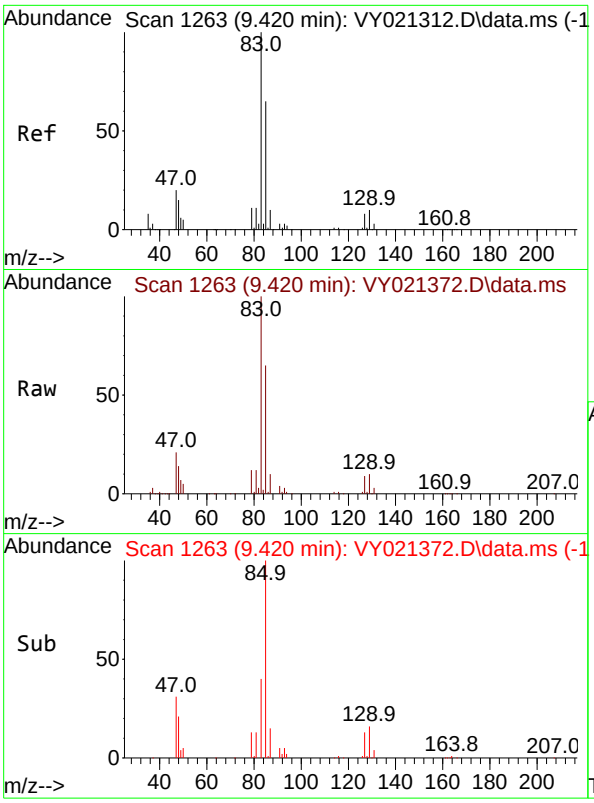


#46
Dibromomethane
Concen: 43.639 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 93 Resp: 39524

Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.4	99.6
174	99.3	78.2	117.2

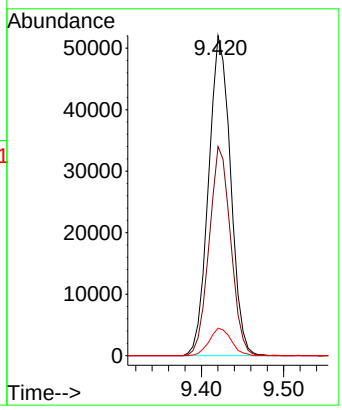




#47
Bromodichloromethane
Concen: 40.010 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 83 Resp: 9662

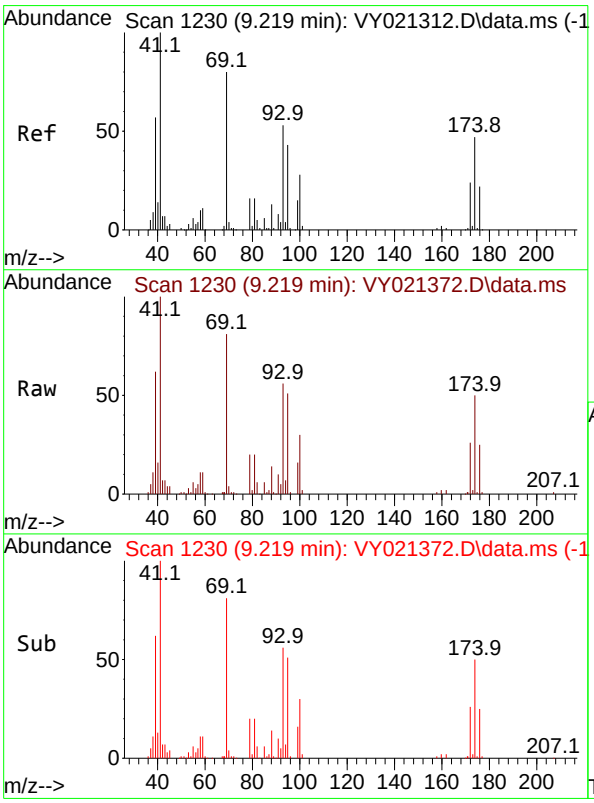
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.8
127	8.6	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

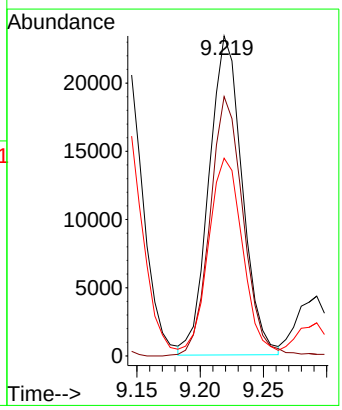
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

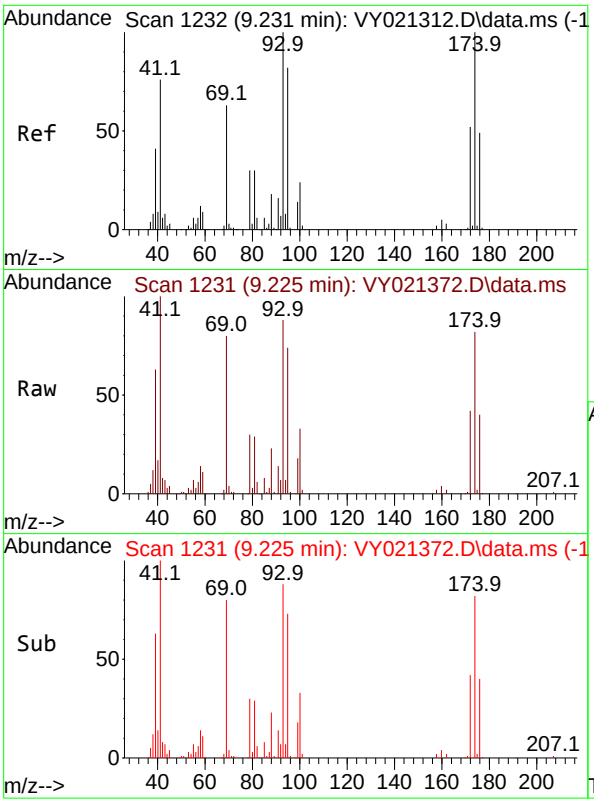


#48
Methyl methacrylate
Concen: 40.740 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 41 Resp: 42722

Ion	Ratio	Lower	Upper
41	100		
69	81.7	63.3	94.9
39	60.8	45.0	67.6





#49
1,4-Dioxane
Concen: 980.882 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

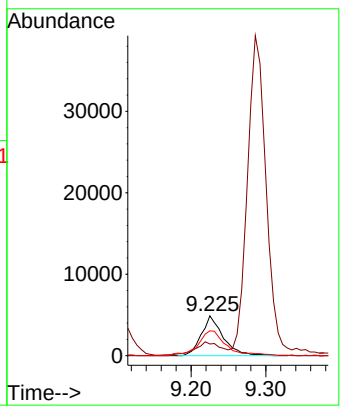
Tgt Ion: 88 Resp: 987

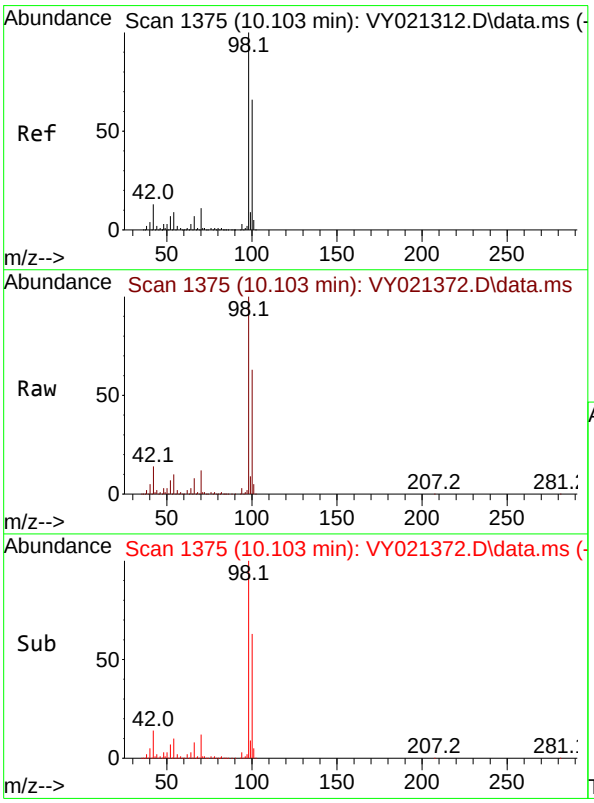
Ion	Ratio	Lower	Upper
88	100		
43	38.3	34.8	52.2
58	74.6	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

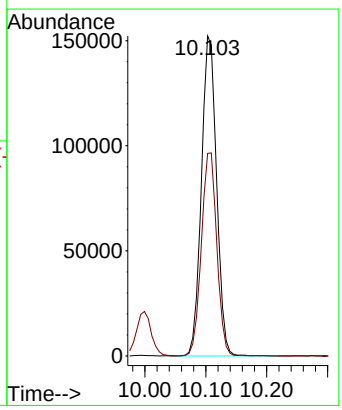


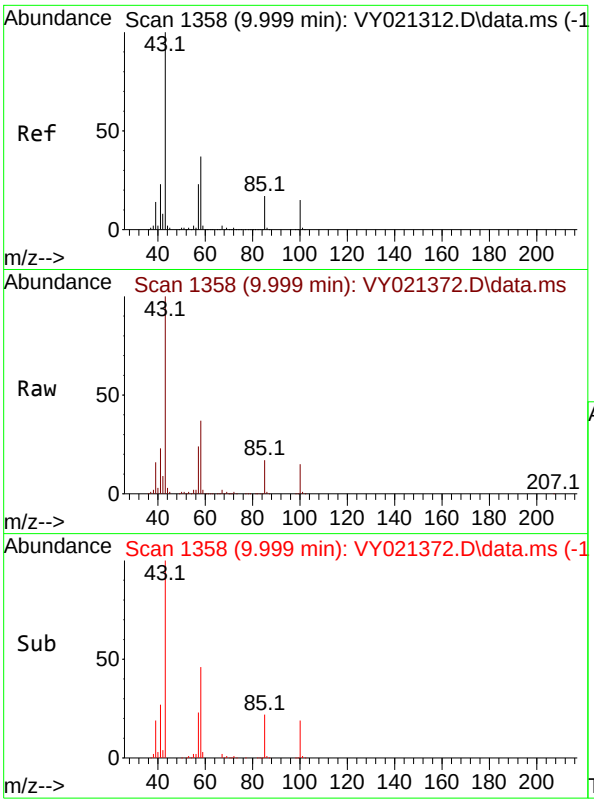


#50
Toluene-d8
Concen: 43.961 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 98 Resp: 263432

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.4	78.6

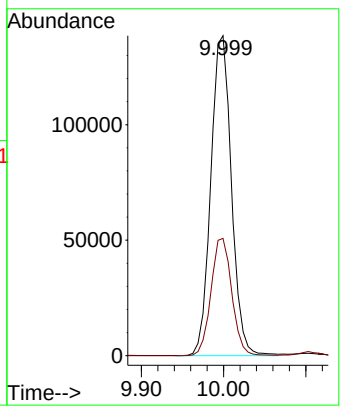




#51
4-Methyl-2-Pentanone
Concen: 210.433 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 43 Resp: 24155

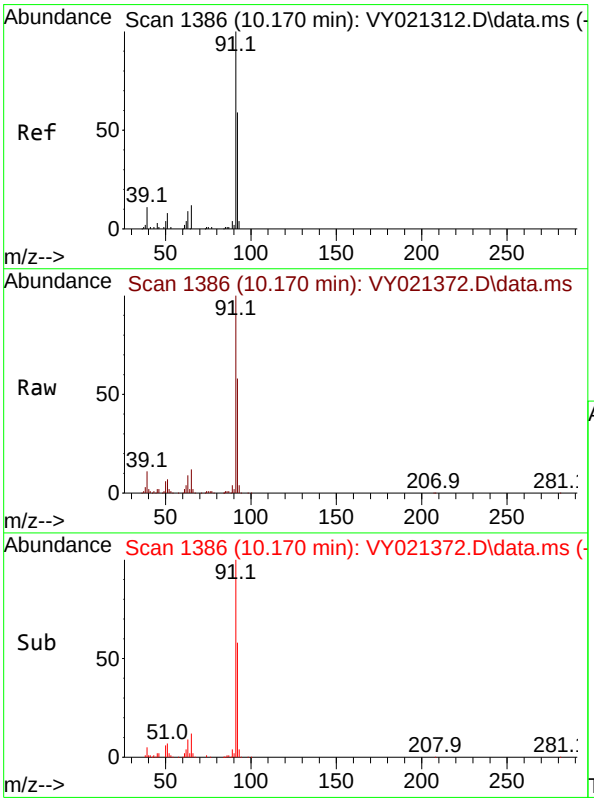
Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

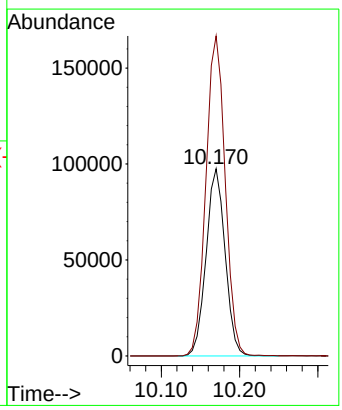
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

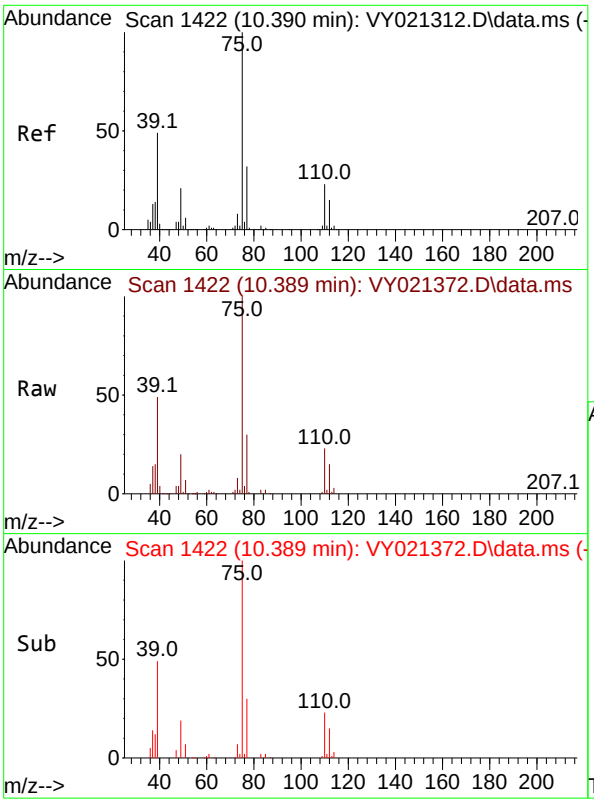


#52
Toluene
Concen: 38.393 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 92 Resp: 164214

Ion	Ratio	Lower	Upper
92	100		
91	173.7	137.8	206.8





#53
t-1,3-Dichloropropene
Concen: 36.148 ug/l
RT: 10.389 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

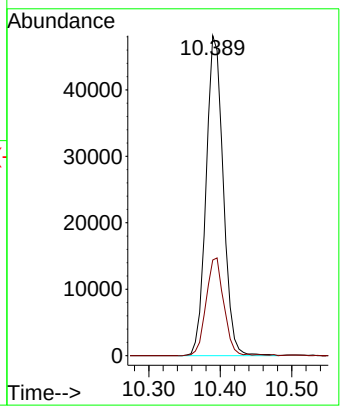
Tgt Ion: 75 Resp: 7997

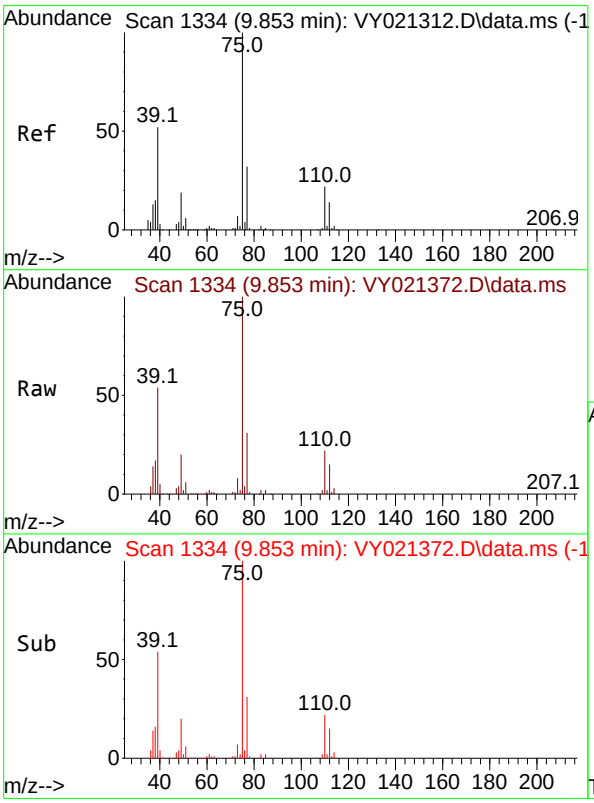
Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.3	37.9

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

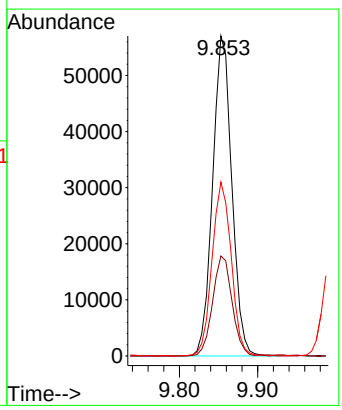


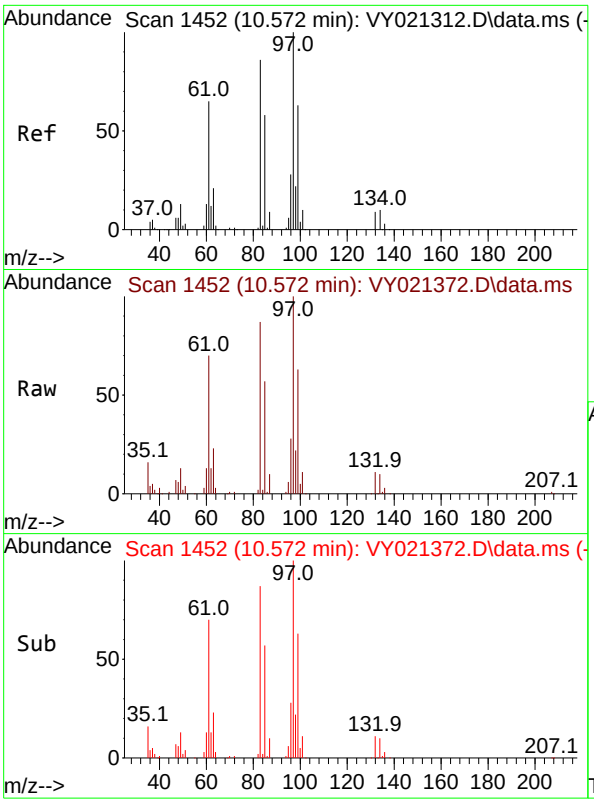


#54
cis-1,3-Dichloropropene
Concen: 37.199 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 75 Resp: 97162

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.7	38.5
39	54.3	41.8	62.6

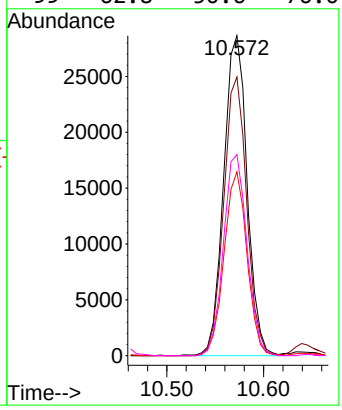




#55
1,1,2-Trichloroethane
Concen: 40.917 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 97 Resp: 4827

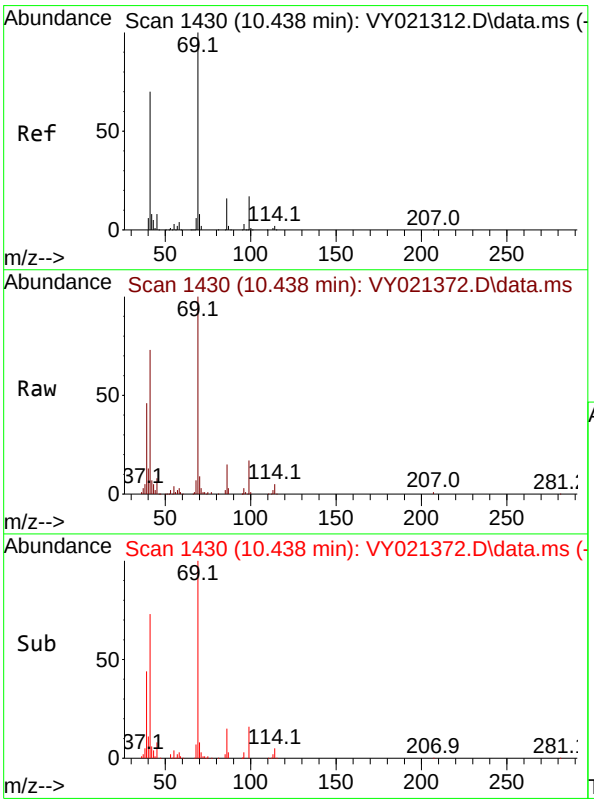
Ion	Ratio	Lower	Upper
97	100		
83	87.1	68.7	103.1
85	57.5	46.3	69.5
99	62.8	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

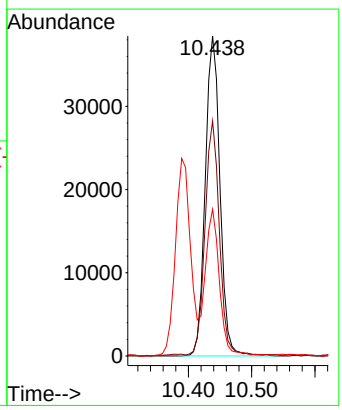
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

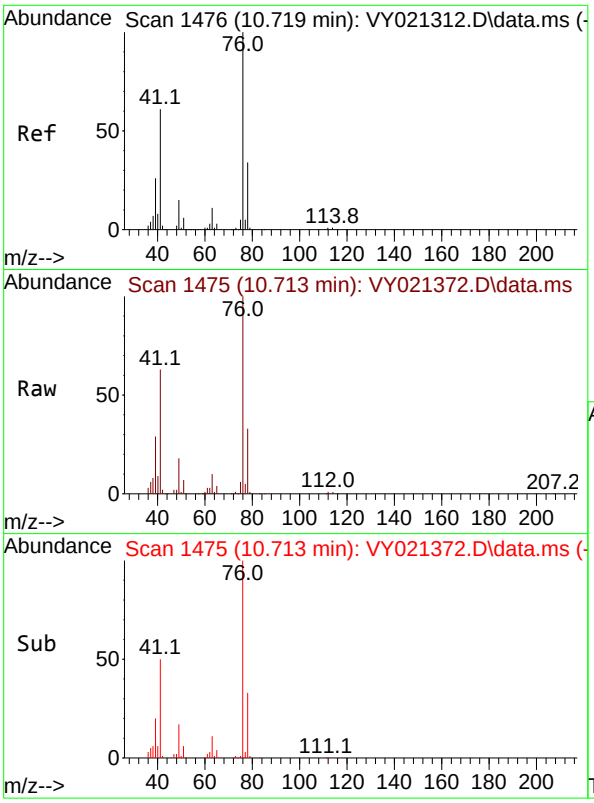


#56
Ethyl methacrylate
Concen: 38.147 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 69 Resp: 62191

Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.2	84.4
39	44.3	32.7	49.1

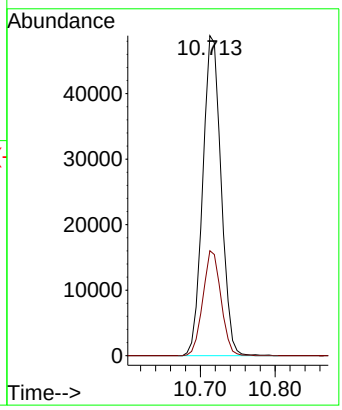




#57
1,3-Dichloropropane
Concen: 40.104 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 76 Resp: 8303

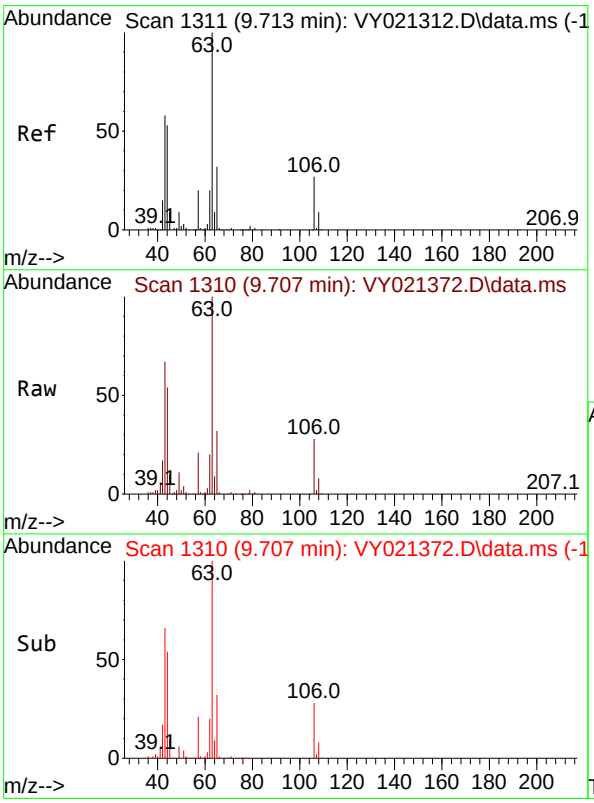
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

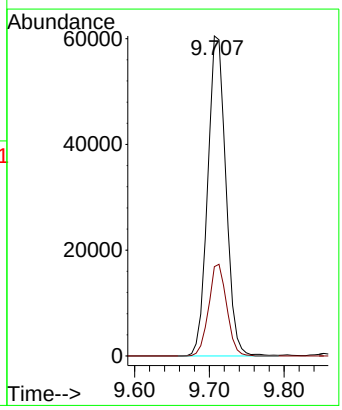
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

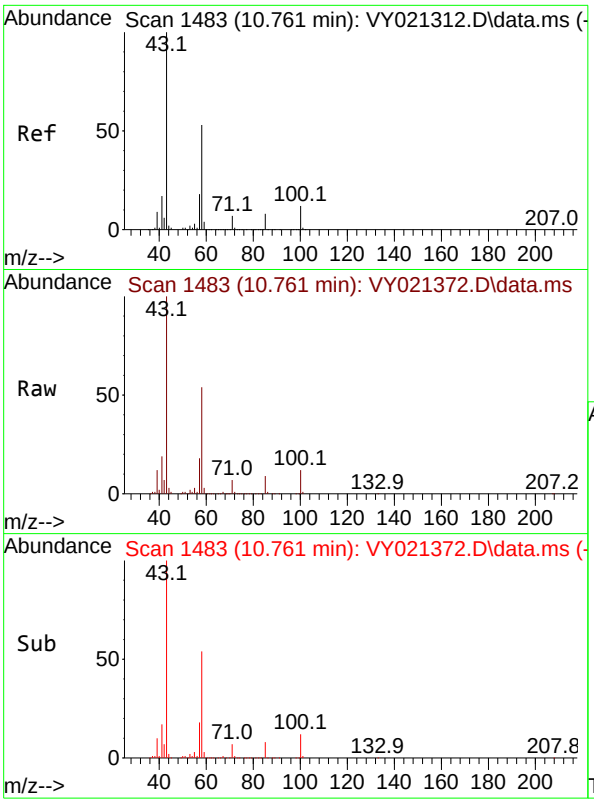


#58
2-Chloroethyl Vinyl ether
Concen: 130.719 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 63 Resp: 102289

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.7	32.5





#59
2-Hexanone
Concen: 192.180 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

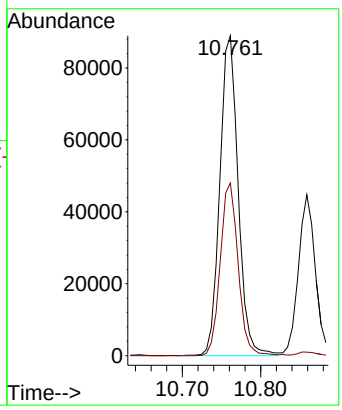
Tgt Ion: 43 Resp: 14488

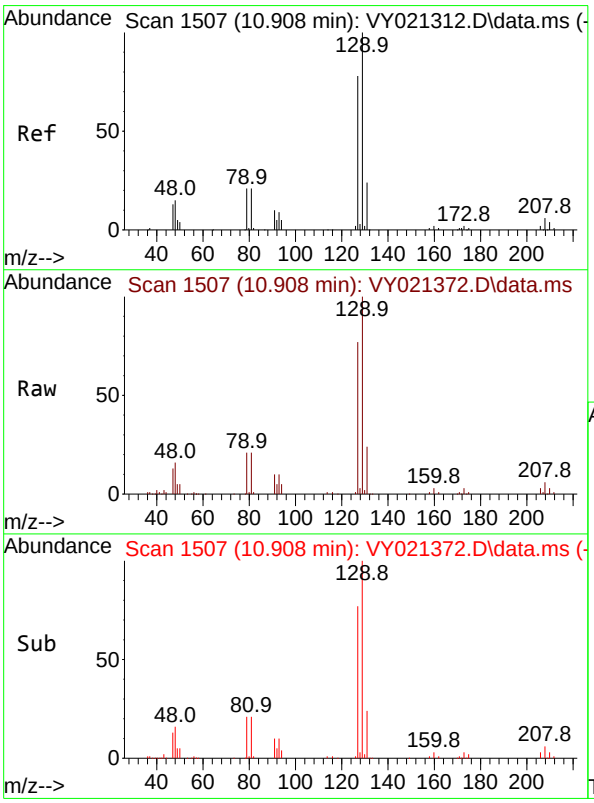
Ion	Ratio	Lower	Upper
43	100		
58	52.8	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

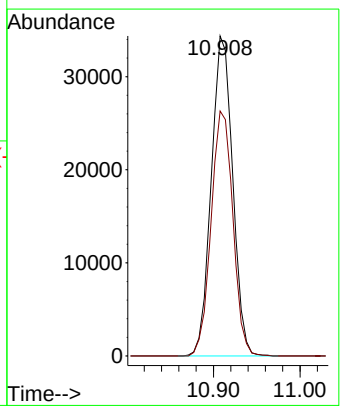


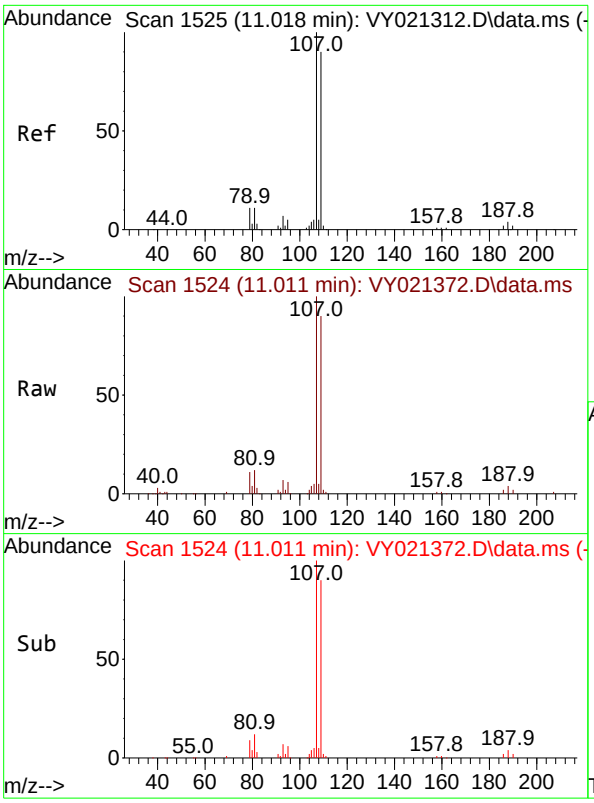


#60
Dibromochloromethane
Concen: 36.684 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:129 Resp: 58948

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.8	116.4





#61
1,2-Dibromoethane
Concen: 39.222 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

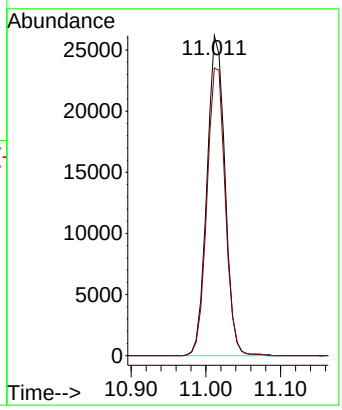
Tgt Ion:107 Resp: 4381

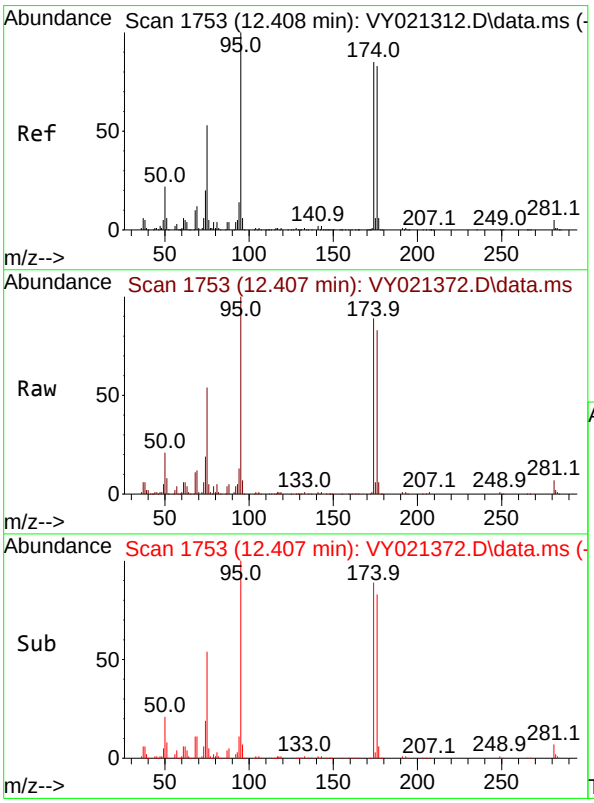
Ion	Ratio	Lower	Upper
107	100		
109	91.6	73.8	110.8

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

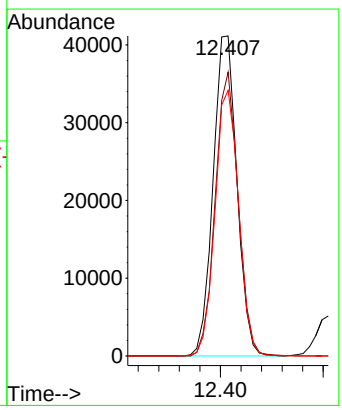


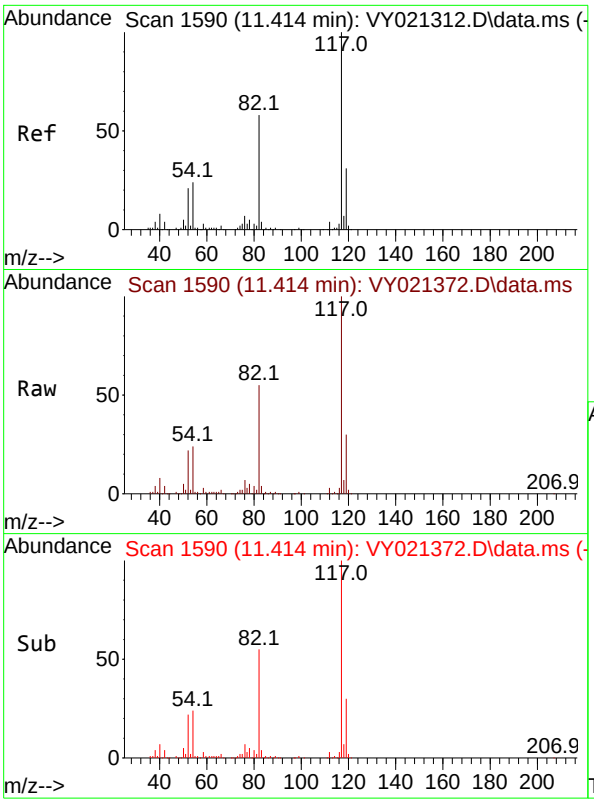


#62
4-Bromofluorobenzene
Concen: 32.818 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 95 Resp: 66185

Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	168.0
176	82.2	0.0	162.6

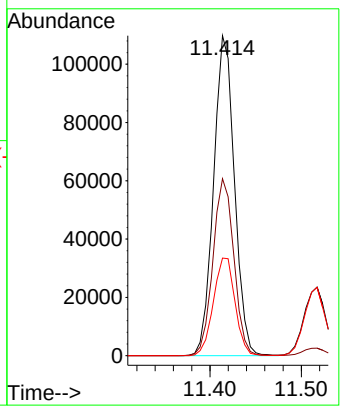




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:117 Resp: 17417

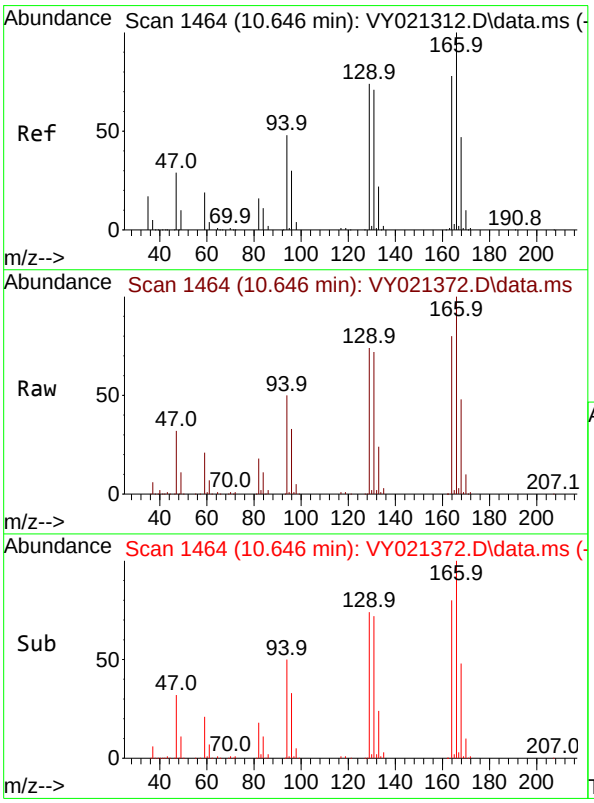
Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.2	69.4
119	30.5	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

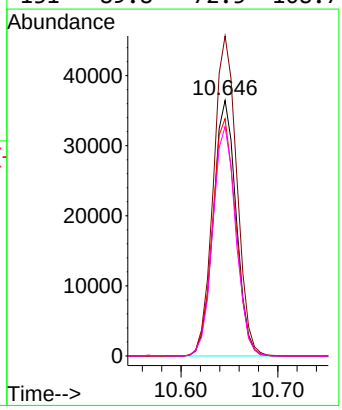
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

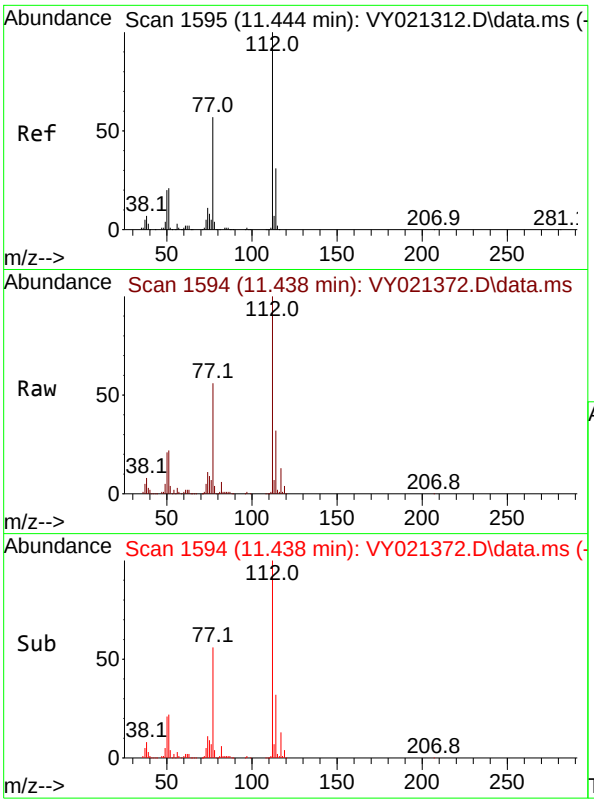


#64
Tetrachloroethene
Concen: 45.321 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:164 Resp: 59664

Ion	Ratio	Lower	Upper
164	100		
166	125.2	101.9	152.9
129	92.9	75.5	113.3
131	89.8	72.5	108.7

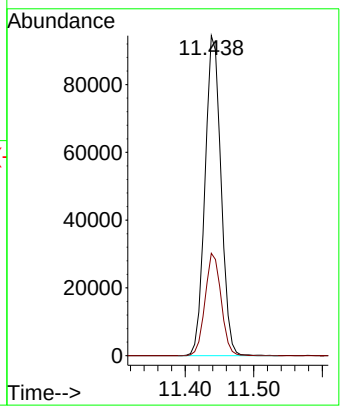




#65
Chlorobenzene
Concen: 39.181 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:112 Resp: 15318

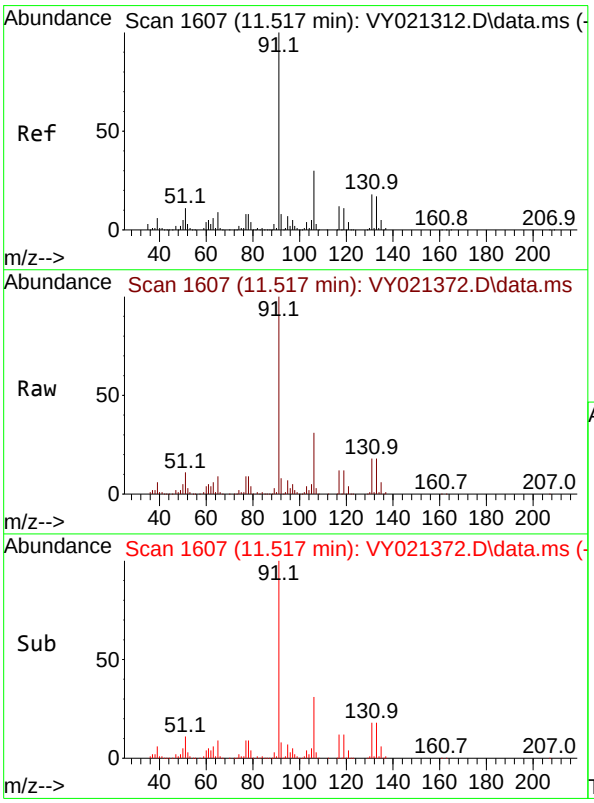
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

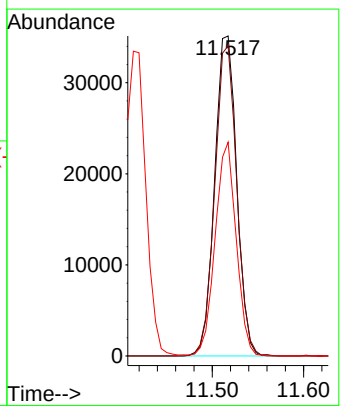
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

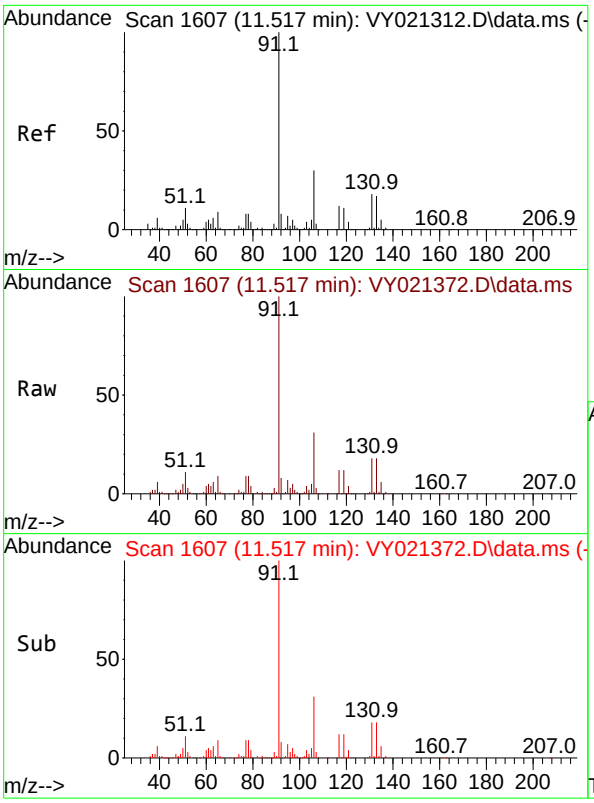


#66
1,1,1,2-Tetrachloroethane
Concen: 42.996 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:131 Resp: 58861

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.9	143.6
119	63.9	31.7	95.1

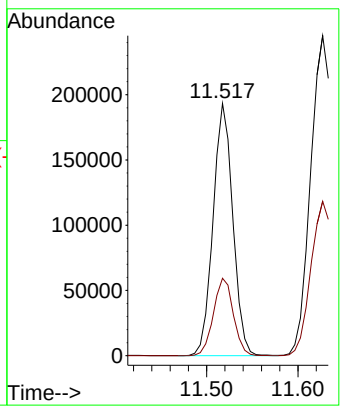




#67
Ethyl Benzene
Concen: 41.989 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 91 Resp: 29078

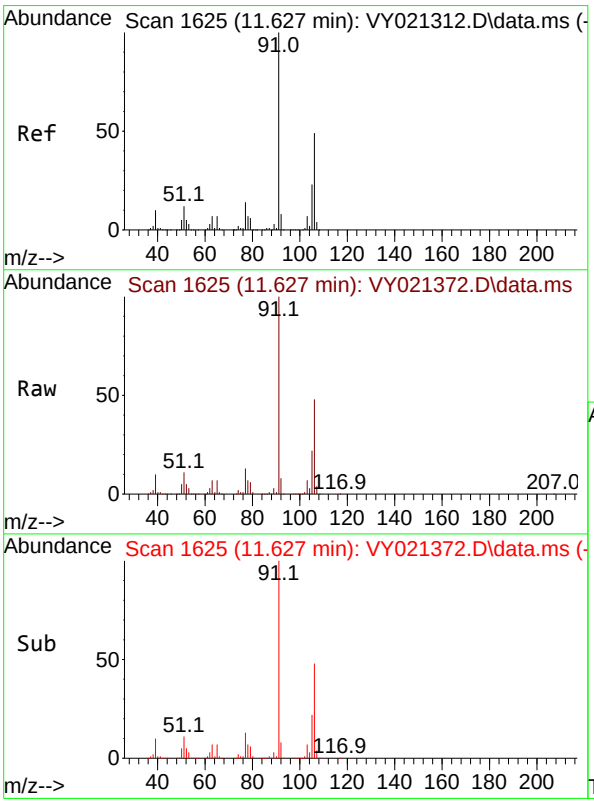
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

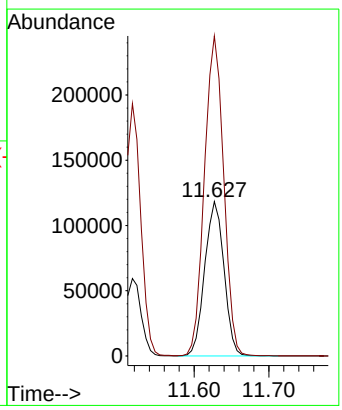
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

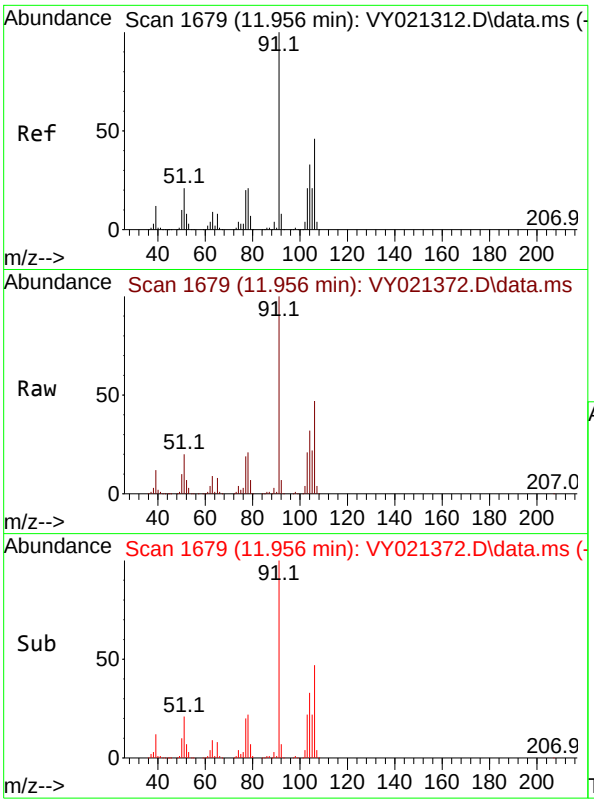


#68
m/p-Xylenes
Concen: 81.545 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:106 Resp: 212408

Ion	Ratio	Lower	Upper
106	100		
91	206.9	163.9	245.9





#69
o-Xylene
Concen: 40.540 ug/l
RT: 11.956 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

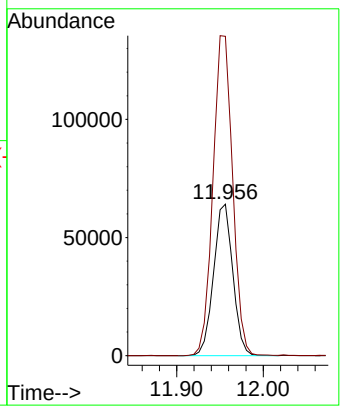
Tgt Ion:106 Resp: 9892(

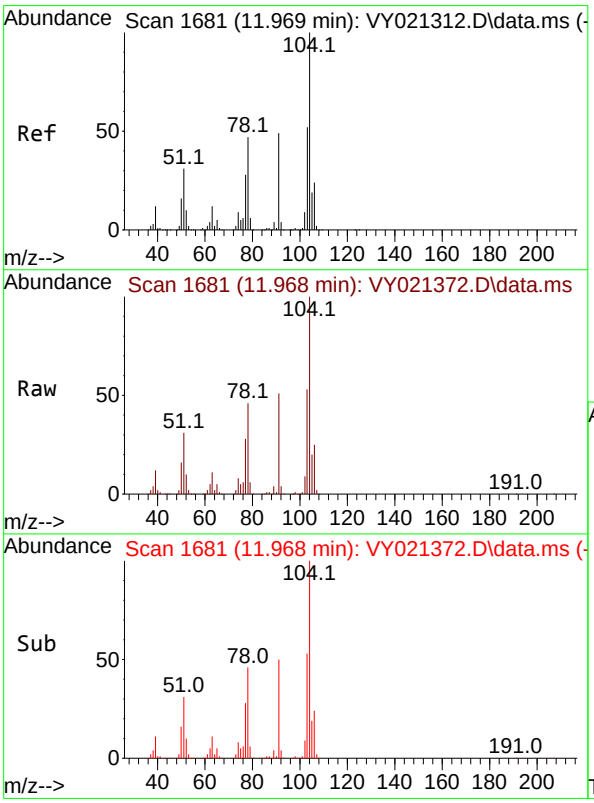
Ion	Ratio	Lower	Upper
106	100		
91	215.9	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

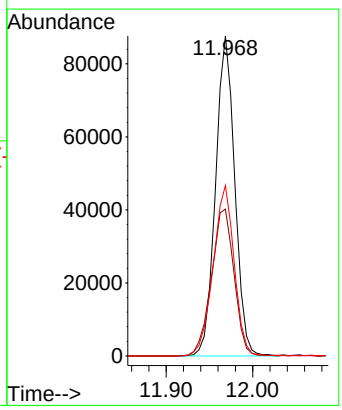


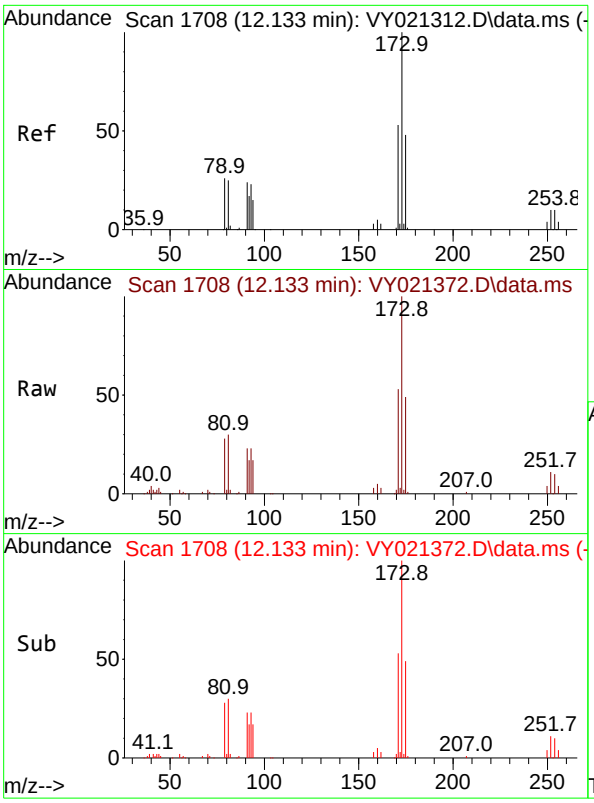


#70
Styrene
Concen: 33.245 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:104 Resp: 134977

Ion	Ratio	Lower	Upper
104	100		
78	54.1	41.3	61.9
103	58.3	43.9	65.9

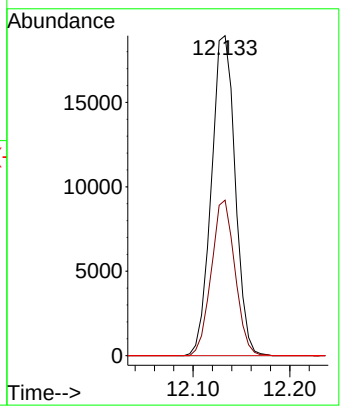




#71
Bromoform
Concen: 41.330 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:173 Resp: 3236

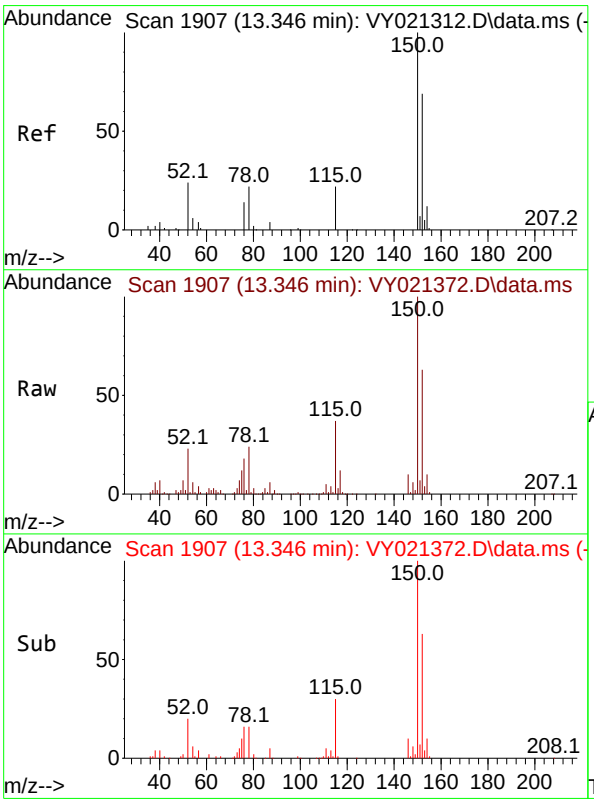
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

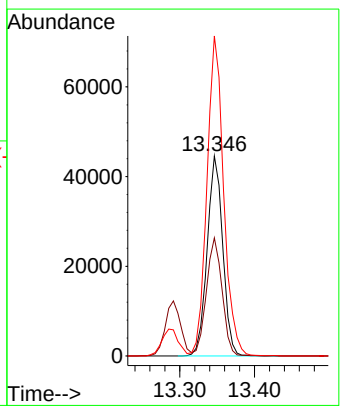
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

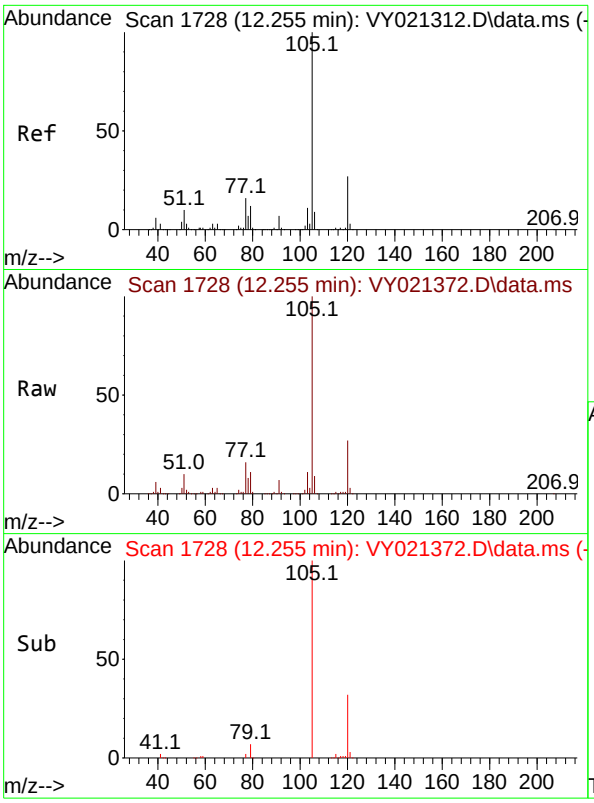


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:152 Resp: 64665

Ion	Ratio	Lower	Upper
152	100		
115	59.4	29.3	88.0
150	171.8	0.0	347.4

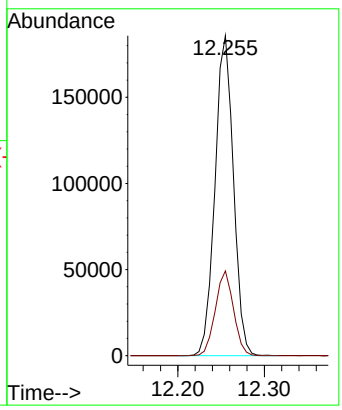




#73
Isopropylbenzene
Concen: 56.559 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:105 Resp: 27496

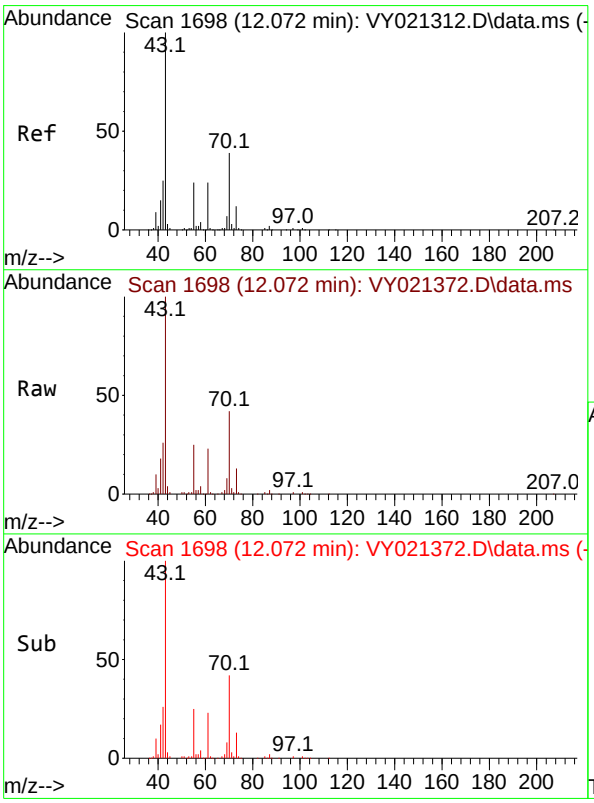
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

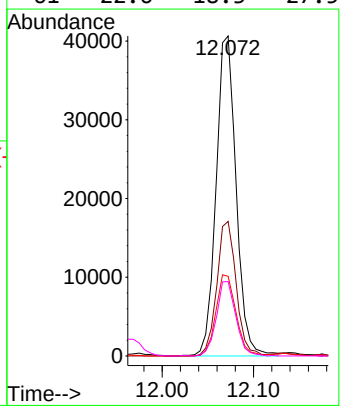
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

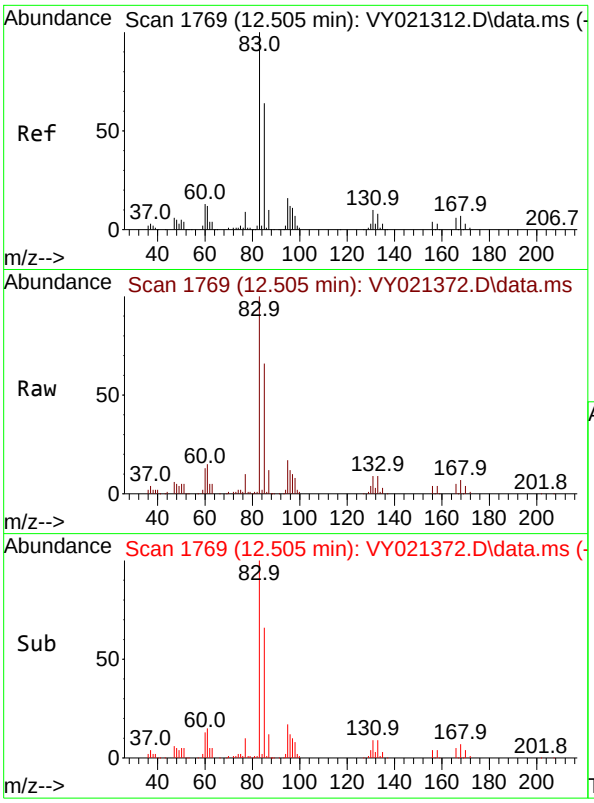


#74
N-amyl acetate
Concen: 50.192 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 43 Resp: 62022

Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.2	48.2
55	25.4	19.6	29.4
61	22.6	18.3	27.5

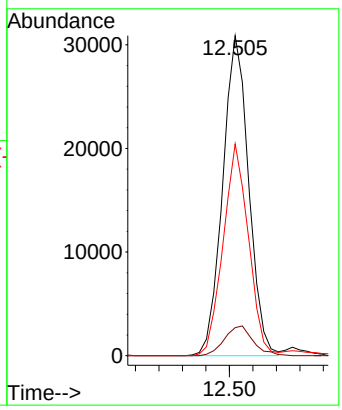




#75
1,1,2,2-Tetrachloroethane
Concen: 55.291 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 83 Resp: 4743

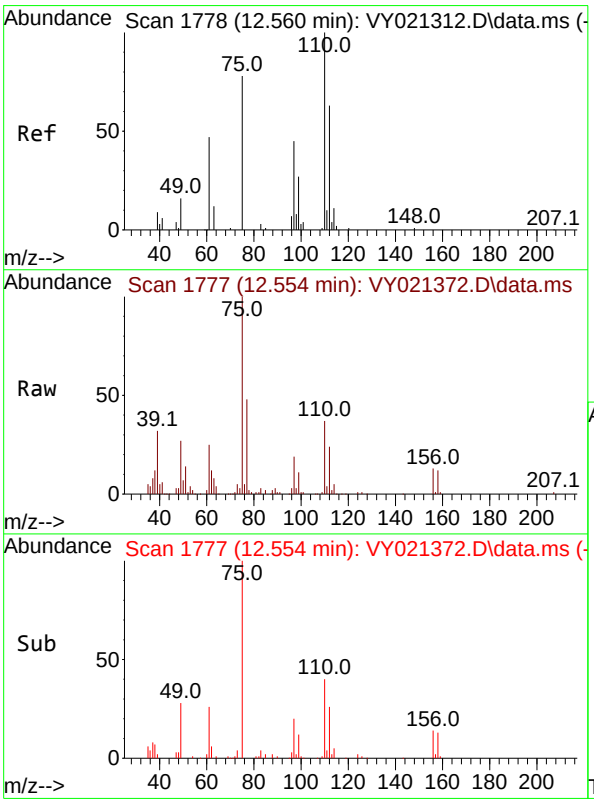
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	64.5	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

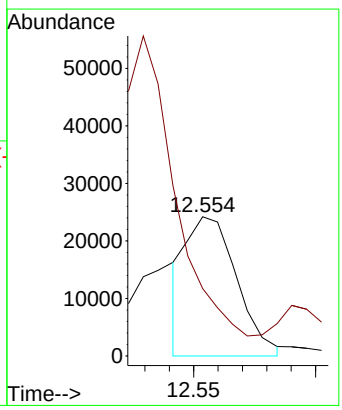
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

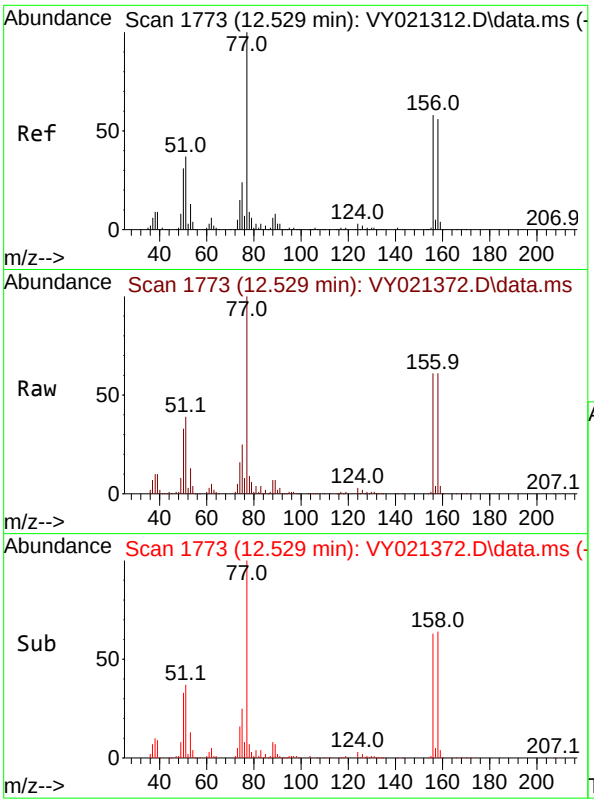


#76
1,2,3-Trichloropropane
Concen: 54.463 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 75 Resp: 35252

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

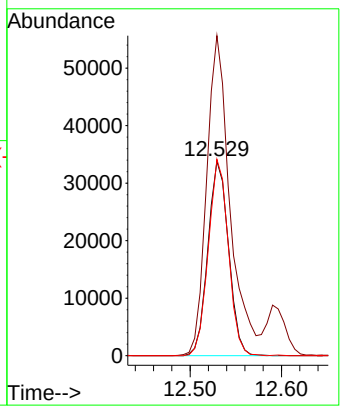




#77
Bromobenzene
Concen: 46.884 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:156 Resp: 5301

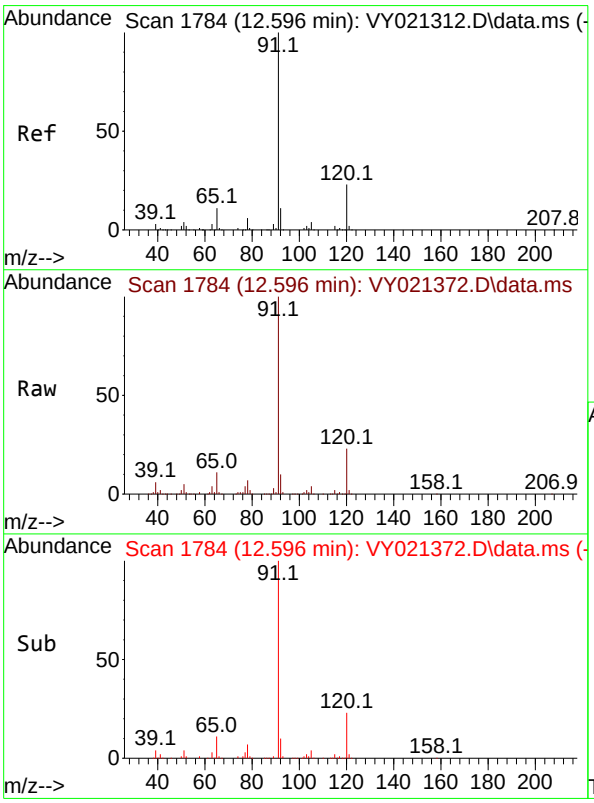
Ion	Ratio	Lower	Upper
156	100		
77	184.7	94.0	282.1
158	97.8	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

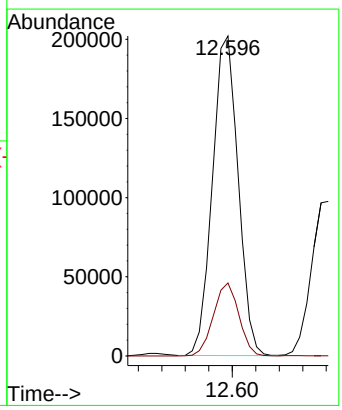
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

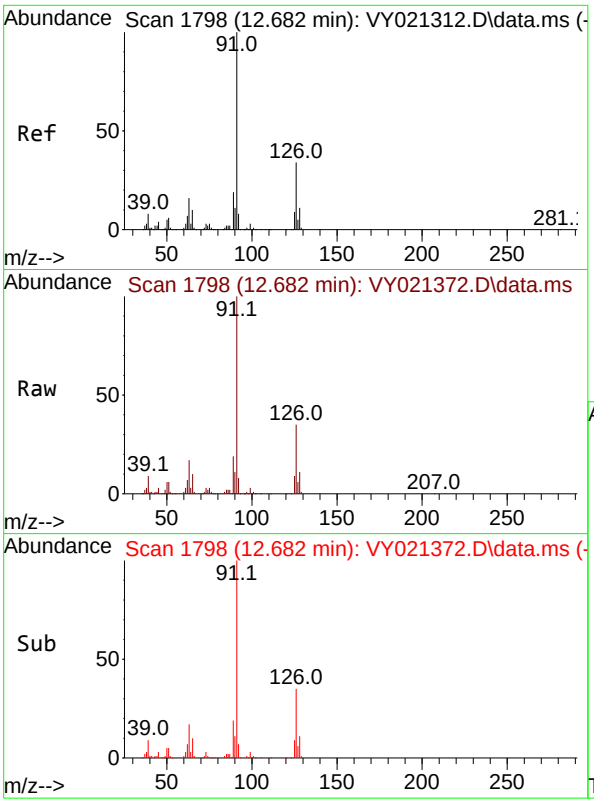


#78
n-propylbenzene
Concen: 51.961 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 91 Resp: 306532

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.5

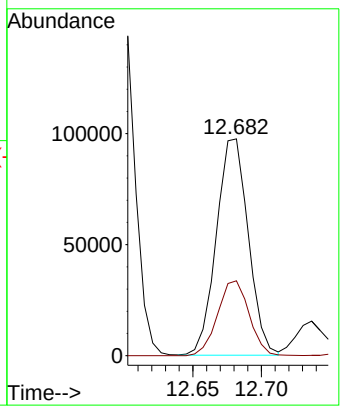




#79
2-Chlorotoluene
Concen: 46.672 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 91 Resp: 15801

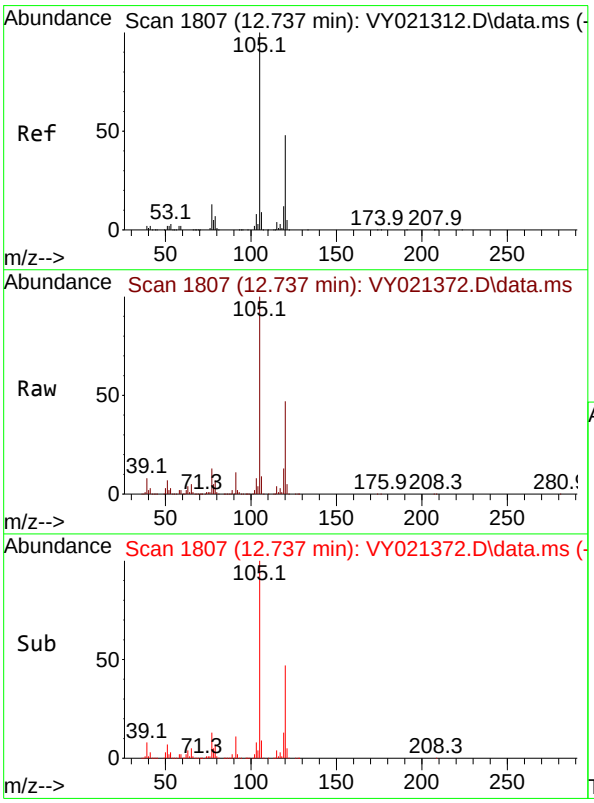
Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

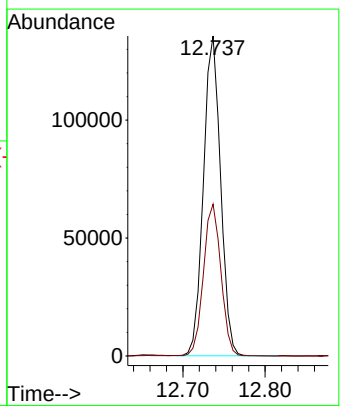
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

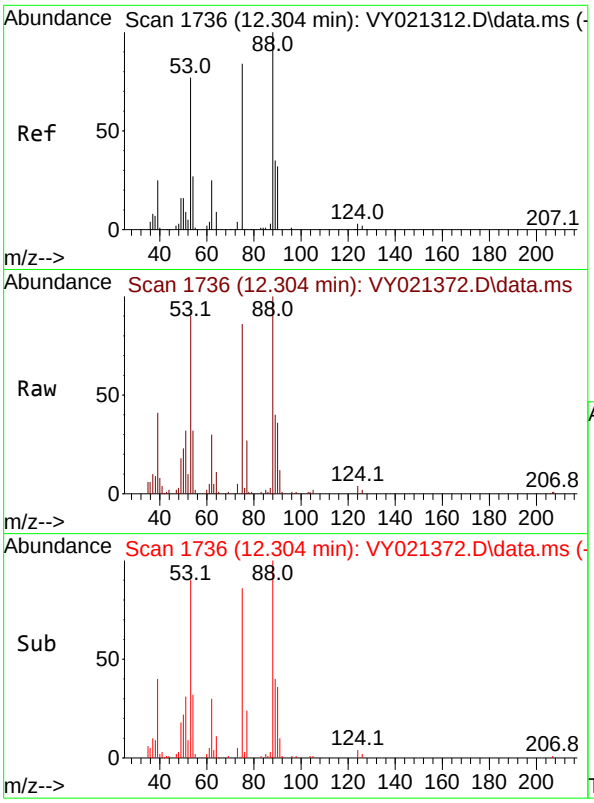


#80
1,3,5-Trimethylbenzene
Concen: 49.328 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:105 Resp: 196679

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	73.0

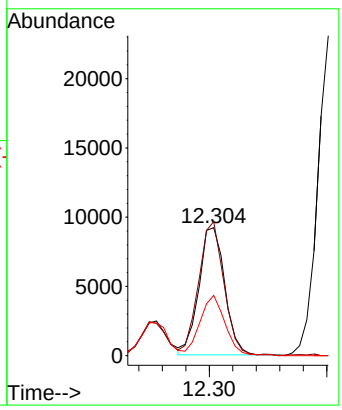




#81
trans-1,4-Dichloro-2-butene
Concen: 48.233 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 75 Resp: 1404

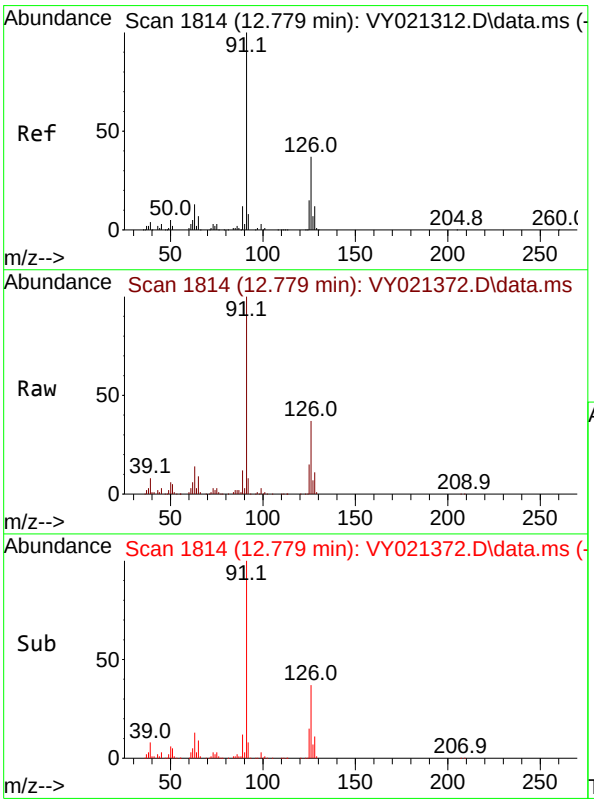
Ion	Ratio	Lower	Upper
75	100		
53	103.8	79.1	118.7
89	45.8	35.6	53.4



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

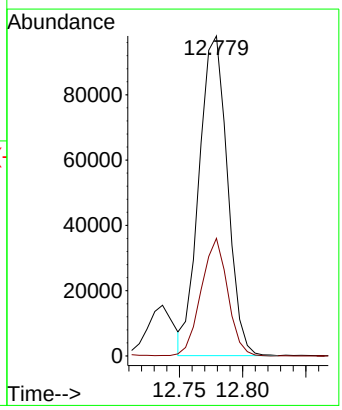
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

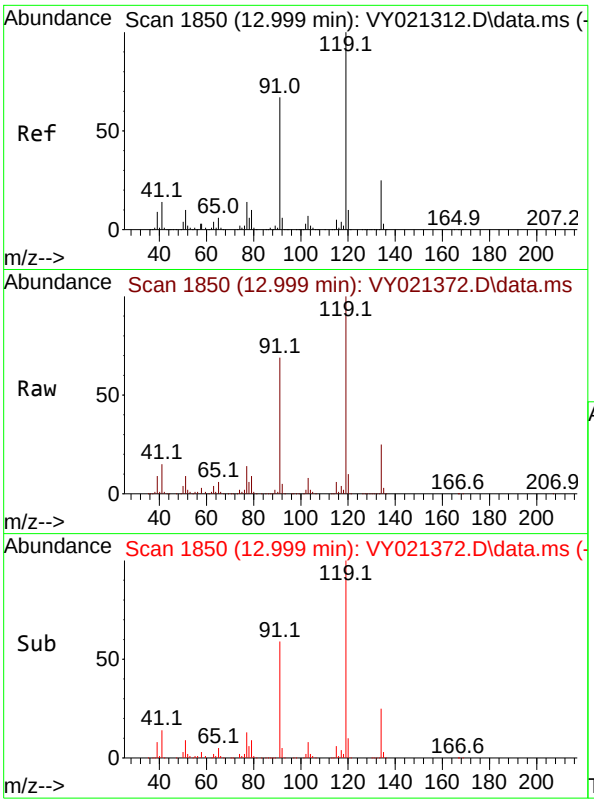


#82
4-Chlorotoluene
Concen: 43.456 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 91 Resp: 152511

Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.8	50.4

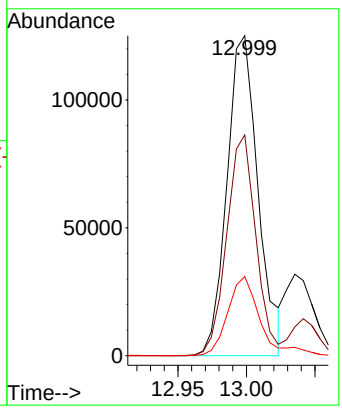




#83
tert-Butylbenzene
Concen: 54.967 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:119 Resp: 19797

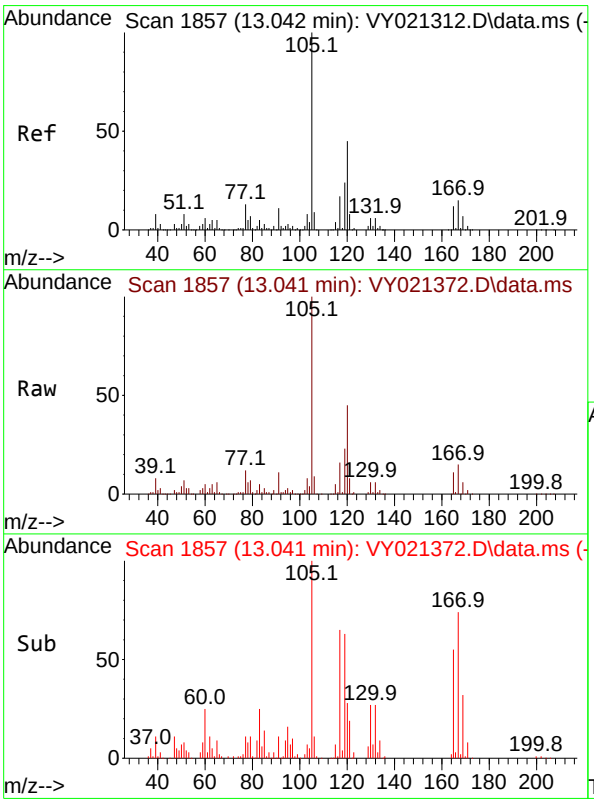
Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.7	98.1
134	25.8	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

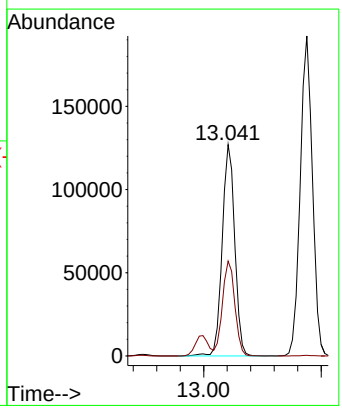
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

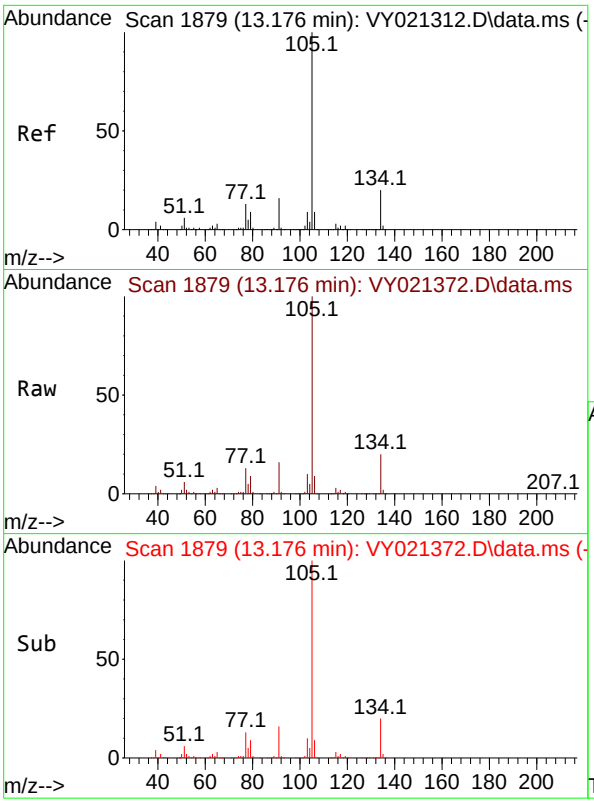


#84
1,2,4-Trimethylbenzene
Concen: 47.388 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:105 Resp: 187917

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3

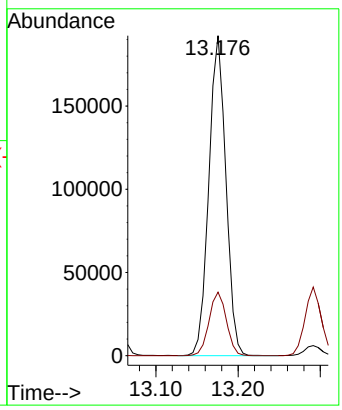




#85
sec-Butylbenzene
Concen: 52.528 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:105 Resp: 27634

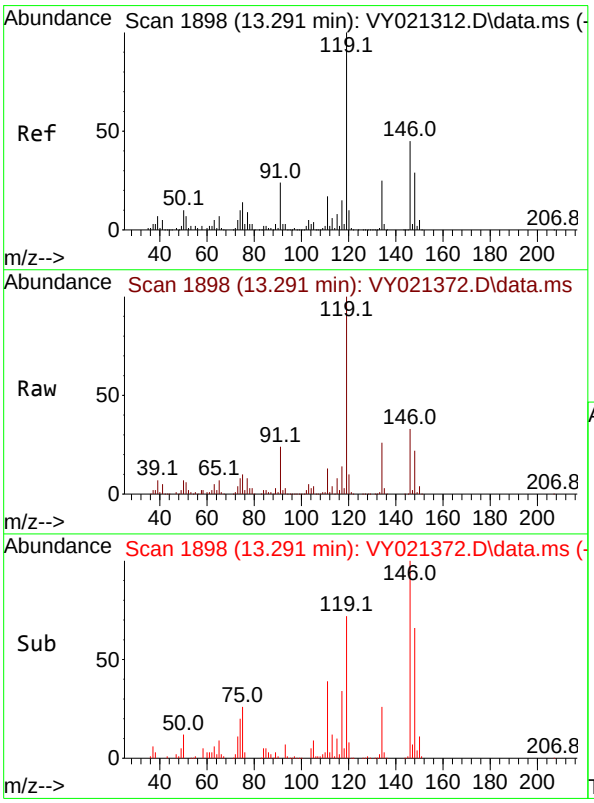
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

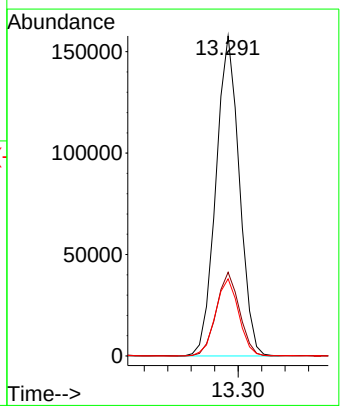
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

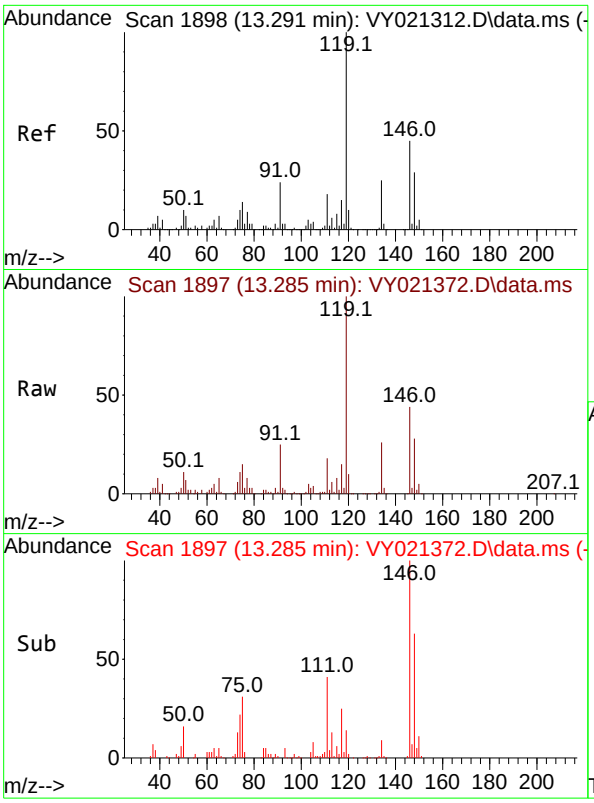


#86
p-Isopropyltoluene
Concen: 49.871 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:119 Resp: 219080

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	24.0	12.0	36.1

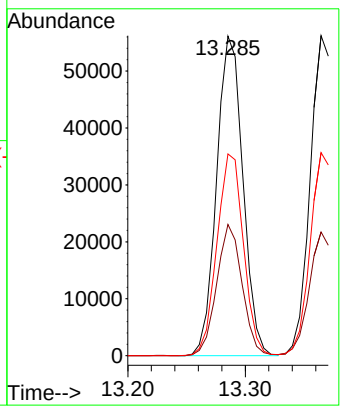




#87
1,3-Dichlorobenzene
Concen: 39.084 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:146 Resp: 8742

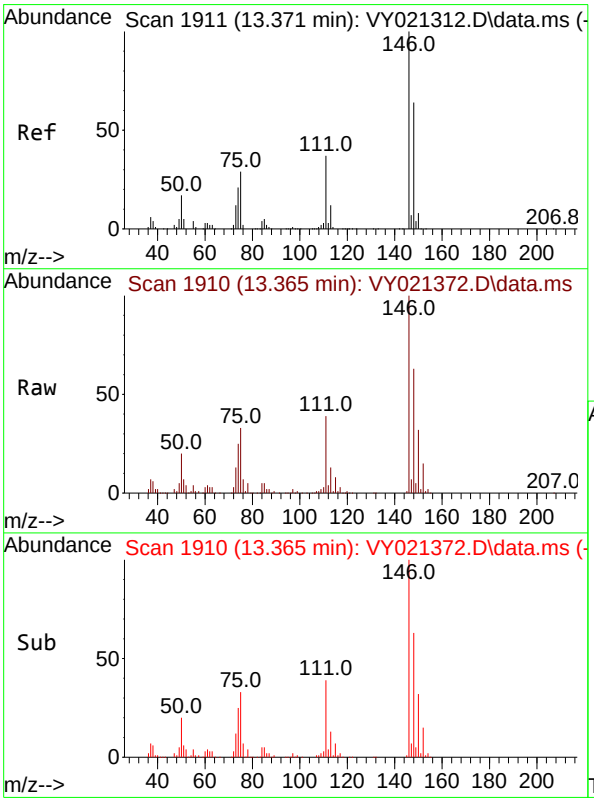
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	63.7	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

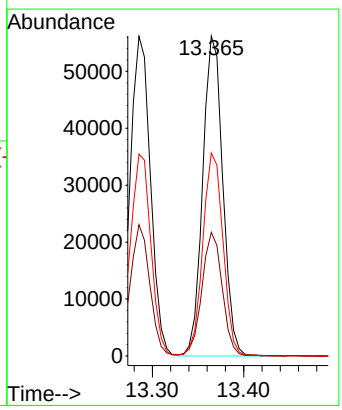
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

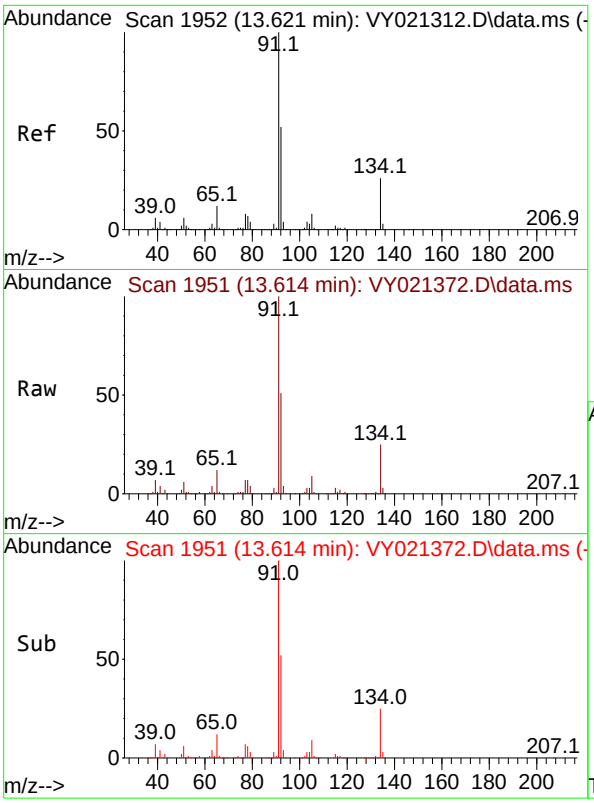


#88
1,4-Dichlorobenzene
Concen: 38.745 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:146 Resp: 85615

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.5	58.5
148	64.0	32.0	96.2

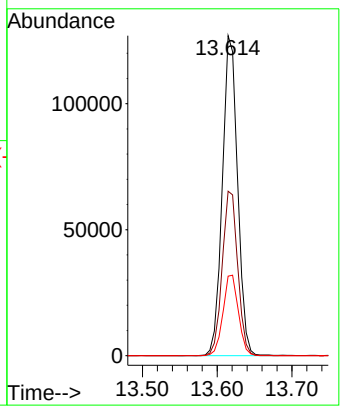




#89
n-Butylbenzene
Concen: 43.689 ug/l
RT: 13.614 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 91 Resp: 18060

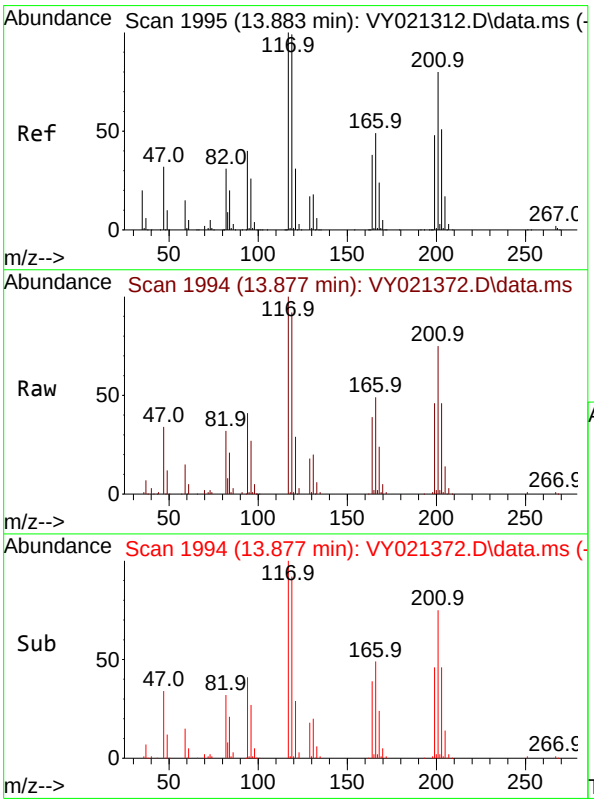
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.4	79.2
134	25.4	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

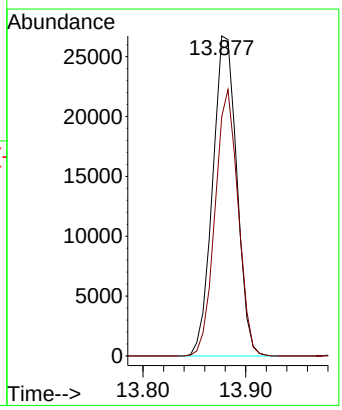
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

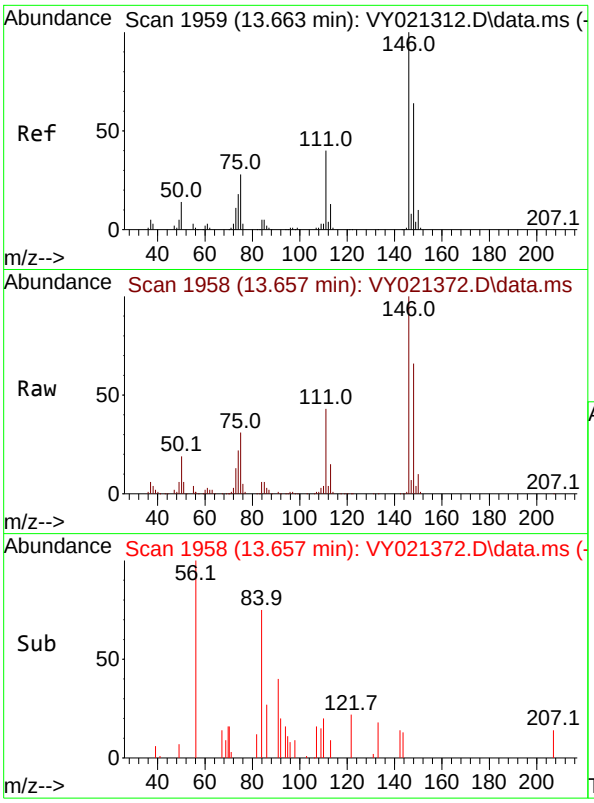


#90
Hexachloroethane
Concen: 47.596 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:117 Resp: 43674

Ion	Ratio	Lower	Upper
117	100		
201	79.2	38.4	115.2

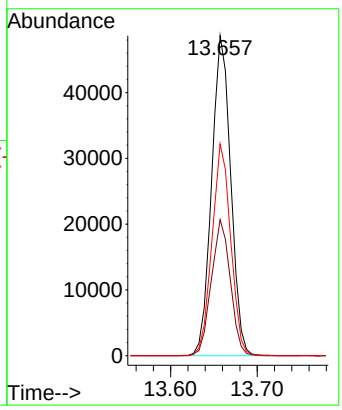




#91
1,2-Dichlorobenzene
Concen: 38.035 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:146 Resp: 7453

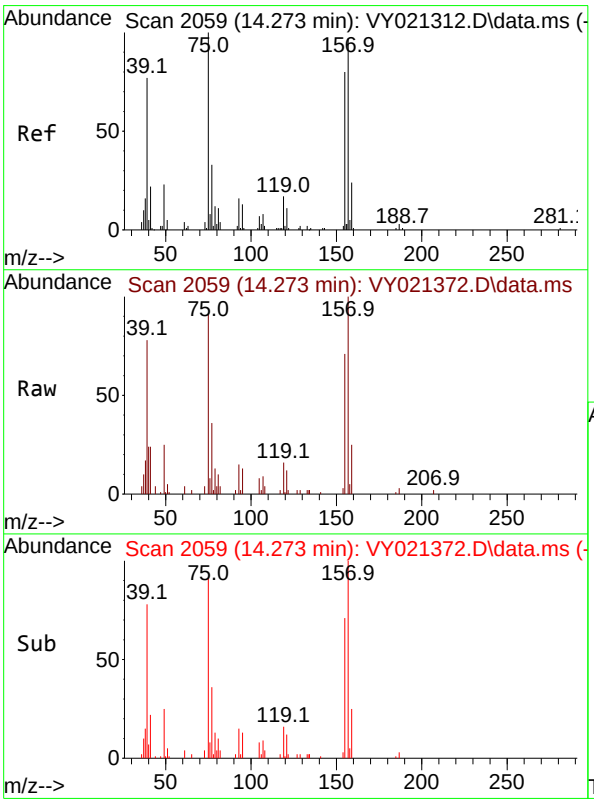
Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.7	62.1
148	64.9	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

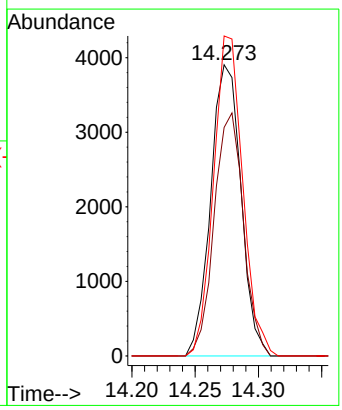
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

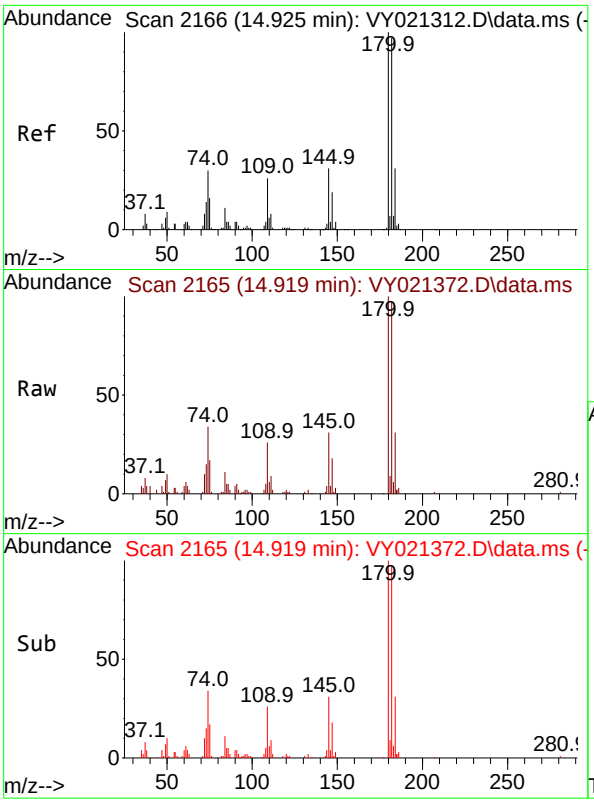


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.876 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion: 75 Resp: 6498

Ion	Ratio	Lower	Upper
75	100		
155	80.5	41.9	125.6
157	105.8	52.5	157.6





#93
1,2,4-Trichlorobenzene
Concen: 21.541 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

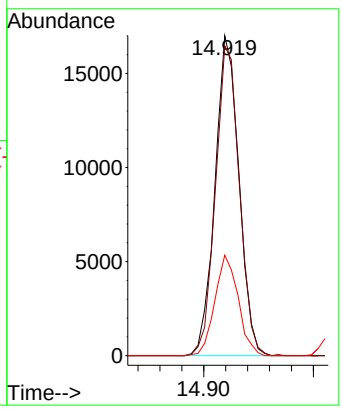
Tgt Ion:180 Resp: 2576

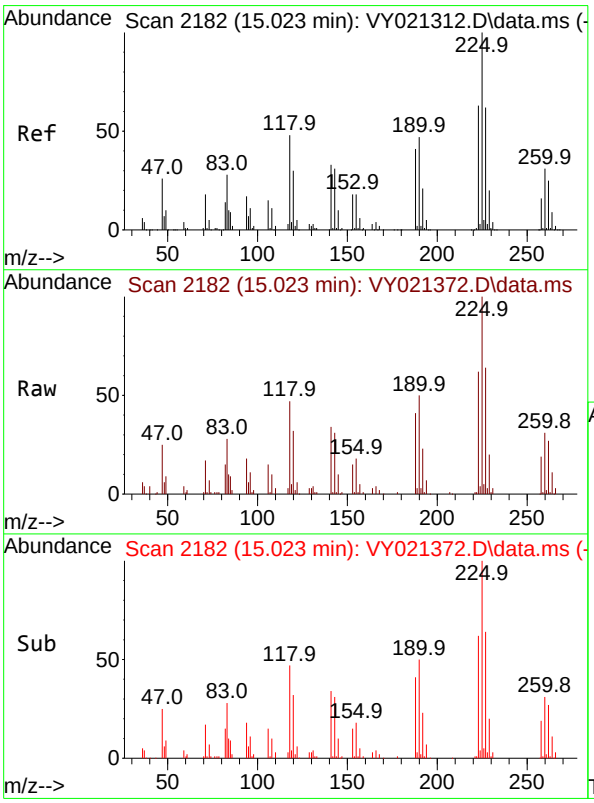
Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.9	143.7
145	30.7	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

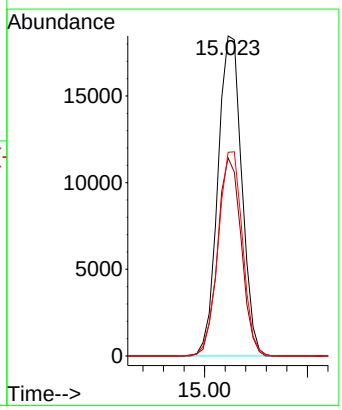


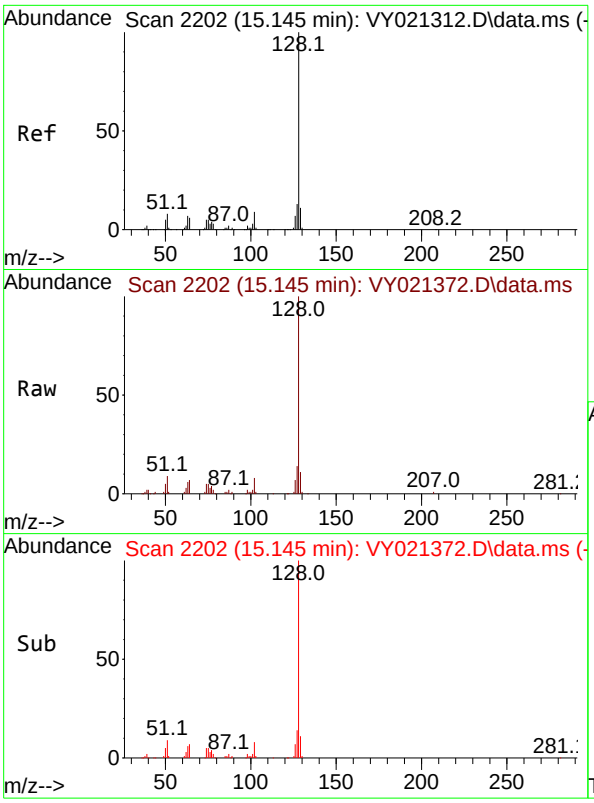


#94
Hexachlorobutadiene
Concen: 39.554 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:225 Resp: 29785

Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.8	95.4
227	65.1	31.9	95.7

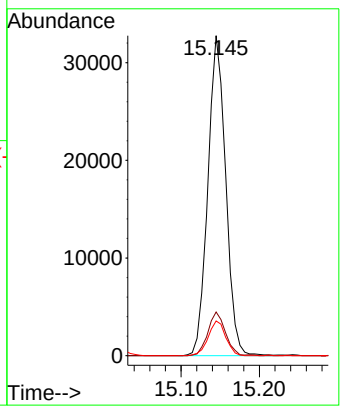




#95
Naphthalene
Concen: 26.166 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:128 Resp: 5183

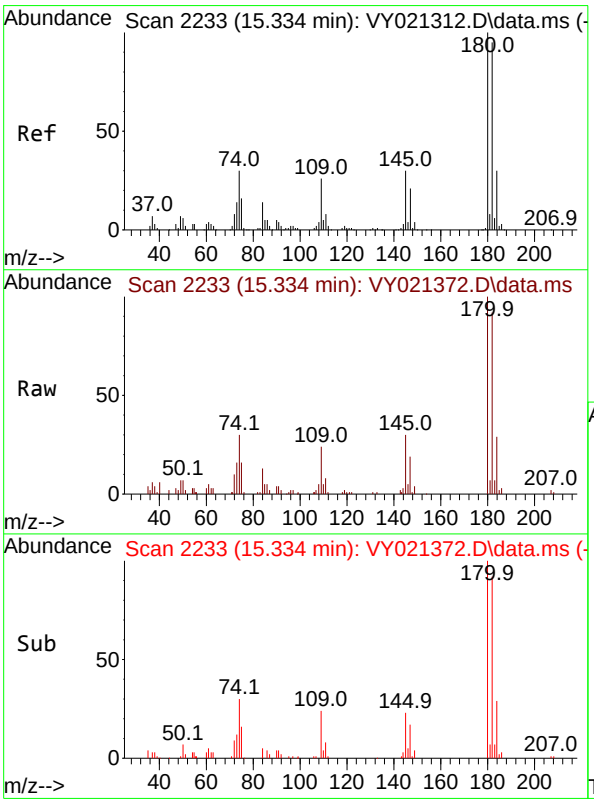
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	10.6	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

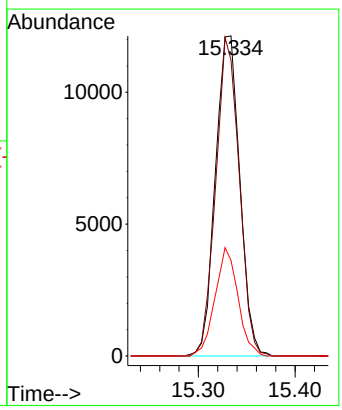
Reviewed By :Romaben Patel 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 21.035 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021372.D
Acq: 27 Feb 2025 20:38

Tgt Ion:180 Resp: 21258

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.3	144.9
145	31.9	16.1	48.3



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

Manual Integration Report

Sequence:	VY022525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021309.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:25 AM	MMDadoda	2/26/2025 1:44:30 PM	Peak Integrated by Software
VSTDICC005	VY021309.D	Methacrylonitrile	Romaben	2/26/2025 10:45:25 AM	MMDadoda	2/26/2025 1:44:30 PM	Peak Integrated by Software
VSTDICC010	VY021310.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:29 AM	MMDadoda	2/26/2025 1:44:32 PM	Peak Integrated by Software
VSTDICC020	VY021311.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:33 AM	MMDadoda	2/26/2025 1:44:34 PM	Peak Integrated by Software
VSTDICCC050	VY021312.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:52 AM	MMDadoda	2/26/2025 1:44:36 PM	Peak Integrated by Software
VSTDICC150	VY021314.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:40 AM	MMDadoda	2/26/2025 1:44:39 PM	Peak Integrated by Software
VSTDICC100	VY021316.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:43 AM	MMDadoda	2/26/2025 1:44:41 PM	Peak Integrated by Software
VSTDICV050	VY021317.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:47 AM	MMDadoda	2/26/2025 1:44:42 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY022725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021346.D	1,2,3-Trichloropropane	MMDadoda	2/28/2025 11:07:30 AM	SAM	2/28/2025 11:10:54 AM	Peak Integrated by Software
VY0227SBS01	VY021348.D	1,2,3-Trichloropropane	MMDadoda	2/28/2025 11:07:33 AM	SAM	2/28/2025 11:10:55 AM	Peak Integrated by Software
VY0227SBS01	VY021348.D	Methacrylonitrile	MMDadoda	2/28/2025 11:07:33 AM	SAM	2/28/2025 11:10:55 AM	Peak Integrated by Software
Q1421-02MS	VY021371.D	1,2,3-Trichloropropane	Romaben	2/28/2025 9:30:29 AM	MMDadoda	2/28/2025 11:07:36 AM	Peak Integrated by Software
Q1421-03MSD	VY021372.D	1,2,3-Trichloropropane	Romaben	2/28/2025 9:30:33 AM	MMDadoda	2/28/2025 11:07:38 AM	Peak Integrated by Software
VSTDCCC050	VY021373.D	1,2,3-Trichloropropane	MMDadoda	2/28/2025 11:07:40 AM	SAM	2/28/2025 11:10:58 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY022825	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021375.D	1,2,3-Trichloropropane	JOHN	3/3/2025 12:11:25 PM	MMDadoda	3/3/2025 1:50:26 PM	Peak Integrated by Software
VY0228SBS01	VY021377.D	1,2,3-Trichloropropane	JOHN	3/3/2025 12:11:30 PM	MMDadoda	3/3/2025 1:50:26 PM	Peak Integrated by Software
VY0228SBS01	VY021377.D	Methacrylonitrile	JOHN	3/3/2025 12:11:30 PM	MMDadoda	3/3/2025 1:50:26 PM	Peak Integrated by Software
VSTDCCC050	VY021394.D	1,2,3-Trichloropropane	JOHN	3/3/2025 12:11:49 PM	MMDadoda	3/3/2025 1:50:32 PM	Peak Integrated by Software
VSTDCCC050	VY021394.D	Methacrylonitrile	JOHN	3/3/2025 12:11:49 PM	MMDadoda	3/3/2025 1:50:32 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC010	VY021397.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Tert butyl alcohol	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICCC050	VY021399.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:35 PM	SAM	3/6/2025 3:00:06 PM	Peak Integrated by Software
VSTDICC100	VY021400.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:49 PM	SAM	3/6/2025 3:00:09 PM	Peak Integrated by Software
VSTDICC150	VY021401.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:42 PM	SAM	3/6/2025 3:00:14 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	vy030625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021426.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:32:05 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VY0306SBS01	VY021428.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:32:09 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VY0306SBS01	VY021428.D	Methacrylonitrile	MMDadoda	3/7/2025 1:32:09 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VSTDCCC050	VY021449.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:31:54 PM	SAM	3/7/2025 1:32:50 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022525

Review By	Mahesh Dadoda	Review On	2/26/2025 1:45:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/26/2025 1:46:55 PM		
SubDirectory	VY022525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y022525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133154
Initial Calibration Stds	VP133137,VP133140,VP133143,VP133146,VP133147,VP133149
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021308.D	25 Feb 2025 12:10	SY/MD	Ok
2	VSTDICC005	VY021309.D	25 Feb 2025 12:40	SY/MD	Ok,M
3	VSTDICC010	VY021310.D	25 Feb 2025 13:03	SY/MD	Ok,M
4	VSTDICC020	VY021311.D	25 Feb 2025 13:26	SY/MD	Ok,M
5	VSTDICCC050	VY021312.D	25 Feb 2025 14:48	SY/MD	Ok,M
6	VSTDICC100	VY021313.D	25 Feb 2025 15:34	SY/MD	Not Ok
7	VSTDICC150	VY021314.D	25 Feb 2025 15:57	SY/MD	Ok,M
8	VIBLK	VY021315.D	25 Feb 2025 16:24	SY/MD	Ok
9	VSTDICC100	VY021316.D	25 Feb 2025 16:49	SY/MD	Ok,M
10	VSTDICV050	VY021317.D	25 Feb 2025 17:31	SY/MD	Ok,M
11	VIBLK	VY021318.D	25 Feb 2025 17:54	SY/MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022725

Review By	Mahesh Dadoda	Review On	2/28/2025 11:07:46 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:02 AM		
SubDirectory	VY022725	HP Acquire Method		HP Processing Method	82y022225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133167
Initial Calibration Stds	VP133165,VP133166
CCC	
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021345.D	27 Feb 2025 09:41	SY/MD	Ok
2	VSTDCCC050	VY021346.D	27 Feb 2025 10:13	SY/MD	Ok,M
3	VY0227SBL01	VY021347.D	27 Feb 2025 10:42	SY/MD	Ok
4	VY0227SBS01	VY021348.D	27 Feb 2025 11:18	SY/MD	Ok,M
5	VY0227SBSD01	VY021349.D	27 Feb 2025 11:40	SY/MD	Ok,M
6	Q1428-01	VY021350.D	27 Feb 2025 12:04	SY/MD	ReRun
7	Q1442-03	VY021351.D	27 Feb 2025 12:28	SY/MD	Ok
8	Q1416-01RE	VY021352.D	27 Feb 2025 12:51	SY/MD	Confirms
9	Q1428-01RE	VY021353.D	27 Feb 2025 13:14	SY/MD	Confirms
10	Q1418-01	VY021354.D	27 Feb 2025 13:38	SY/MD	Not Ok
11	Q1415-03RE	VY021355.D	27 Feb 2025 14:01	SY/MD	Confirms
12	Q1422-02	VY021356.D	27 Feb 2025 14:25	SY/MD	ReRun
13	Q1422-01	VY021357.D	27 Feb 2025 14:48	SY/MD	ReRun
14	Q1421-09	VY021358.D	27 Feb 2025 15:12	SY/MD	ReRun
15	Q1421-07	VY021359.D	27 Feb 2025 15:35	SY/MD	ReRun
16	Q1421-01	VY021360.D	27 Feb 2025 15:58	SY/MD	Ok
17	Q1427-01RE	VY021361.D	27 Feb 2025 16:22	SY/MD	Confirms
18	Q1420-07	VY021362.D	27 Feb 2025 16:45	SY/MD	Ok
19	Q1411-03	VY021363.D	27 Feb 2025 17:09	SY/MD	Not Ok
20	Q1411-01	VY021364.D	27 Feb 2025 17:32	SY/MD	Ok
21	Q1440-01	VY021365.D	27 Feb 2025 17:55	SY/MD	ReRun

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022725

Review By	Mahesh Dadoda	Review On	2/28/2025 11:07:46 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:02 AM		
SubDirectory	VY022725	HP Acquire Method		HP Processing Method	82y022225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133167
Initial Calibration Stds	VP133165,VP133166
CCC	
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1448-01	VY021366.D	27 Feb 2025 18:19	SY/MD	ReRun
23	Q1448-02	VY021367.D	27 Feb 2025 18:42	SY/MD	ReRun
24	Q1448-03	VY021368.D	27 Feb 2025 19:06	SY/MD	ReRun
25	Q1448-04	VY021369.D	27 Feb 2025 19:29	SY/MD	Dilution
26	Q1448-05	VY021370.D	27 Feb 2025 19:52	SY/MD	ReRun
27	Q1421-02MS	VY021371.D	27 Feb 2025 20:15	SY/MD	Ok,M
28	Q1421-03MSD	VY021372.D	27 Feb 2025 20:38	SY/MD	Ok,M
29	VSTDCCC050	VY021373.D	27 Feb 2025 21:01	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022825

Review By	John Carlone	Review On	3/3/2025 12:12:17 PM				
Supervise By	Mahesh Dadoda	Supervise On	3/3/2025 1:51:10 PM				
SubDirectory	VY022825	HP Acquire Method	MSVOA_Y		HP Processing Method	82y022525s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP133182
Initial Calibration Stds	
CCC	VP133183,VP133184
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021374.D	28 Feb 2025 09:03	SY/MD	Ok
2	VSTDCCC050	VY021375.D	28 Feb 2025 09:44	SY/MD	Ok,M
3	VY0228SBL01	VY021376.D	28 Feb 2025 10:59	SY/MD	Ok
4	VY0228SBS01	VY021377.D	28 Feb 2025 11:32	SY/MD	Ok,M
5	VY0228SBSD01	VY021378.D	28 Feb 2025 11:55	SY/MD	Ok,M
6	Q1421-07RE	VY021379.D	28 Feb 2025 12:56	SY/MD	Confirms
7	Q1422-01RE	VY021380.D	28 Feb 2025 13:20	SY/MD	Confirms
8	Q1422-02	VY021381.D	28 Feb 2025 15:31	SY/MD	Ok
9	Q1448-01RE	VY021382.D	28 Feb 2025 15:55	SY/MD	Confirms
10	Q1448-02RE	VY021383.D	28 Feb 2025 16:18	SY/MD	Confirms
11	Q1448-03RE	VY021384.D	28 Feb 2025 16:41	SY/MD	Confirms
12	Q1448-05RE	VY021385.D	28 Feb 2025 17:05	SY/MD	Confirms
13	Q1440-01	VY021386.D	28 Feb 2025 17:28	SY/MD	Ok
14	Q1441-01	VY021387.D	28 Feb 2025 17:52	SY/MD	ReRun
15	Q1458-02	VY021388.D	28 Feb 2025 18:15	SY/MD	Ok,M
16	Q1463-01	VY021389.D	28 Feb 2025 18:38	SY/MD	ReRun
17	Q1457-01	VY021390.D	28 Feb 2025 19:02	SY/MD	Ok
18	Q1463-03	VY021391.D	28 Feb 2025 19:25	SY/MD	ReRun
19	Q1463-04	VY021392.D	28 Feb 2025 19:49	SY/MD	ReRun
20	Q1463-05	VY021393.D	28 Feb 2025 20:12	SY/MD	ReRun
21	VSTDCCC050	VY021394.D	28 Feb 2025 20:35	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM				
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021395.D	04 Mar 2025 08:52	SY/MD	Ok
2	VSTDICC005	VY021396.D	04 Mar 2025 09:23	SY/MD	Not Ok
3	VSTDICC010	VY021397.D	04 Mar 2025 09:46	SY/MD	Ok,M
4	VSTDICC020	VY021398.D	04 Mar 2025 10:09	SY/MD	Ok,M
5	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	SY/MD	Ok,M
6	VSTDICC100	VY021400.D	04 Mar 2025 11:06	SY/MD	Ok,M
7	VSTDICC150	VY021401.D	04 Mar 2025 11:29	SY/MD	Ok,M
8	VIBLK	VY021402.D	04 Mar 2025 11:52	SY/MD	Ok
9	VSTDICC005	VY021403.D	04 Mar 2025 12:15	SY/MD	Ok,M
10	VSTDICV050	VY021404.D	04 Mar 2025 13:12	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM		
SubDirectory	VY030625	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133223
Initial Calibration Stds	
CCC	VP133224,VP133225
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021425.D	06 Mar 2025 09:39	SY/MD	Ok
2	VSTDCCC050	VY021426.D	06 Mar 2025 10:10	SY/MD	Ok,M
3	VY0306SBL01	VY021427.D	06 Mar 2025 11:59	SY/MD	Ok
4	VY0306SBS01	VY021428.D	06 Mar 2025 12:33	SY/MD	Ok,M
5	VY0306SBSD01	VY021429.D	06 Mar 2025 12:55	SY/MD	Ok,M
6	Q1489-05	VY021430.D	06 Mar 2025 13:28	SY/MD	Ok
7	Q1489-01	VY021431.D	06 Mar 2025 13:52	SY/MD	Not Ok
8	Q1421-09	VY021432.D	06 Mar 2025 14:15	SY/MD	Ok
9	Q1479-01	VY021433.D	06 Mar 2025 14:39	SY/MD	Ok
10	Q1479-02	VY021434.D	06 Mar 2025 15:02	SY/MD	ReRun
11	Q1488-01	VY021435.D	06 Mar 2025 15:25	SY/MD	Ok
12	Q1488-03	VY021436.D	06 Mar 2025 15:49	SY/MD	Ok
13	Q1488-05	VY021437.D	06 Mar 2025 16:12	SY/MD	Ok
14	Q1488-07	VY021438.D	06 Mar 2025 16:36	SY/MD	Not Ok
15	Q1488-09	VY021439.D	06 Mar 2025 16:59	SY/MD	ReRun
16	Q1488-11	VY021440.D	06 Mar 2025 17:22	SY/MD	Not Ok
17	Q1463-01	VY021441.D	06 Mar 2025 17:46	SY/MD	Ok
18	Q1463-05	VY021442.D	06 Mar 2025 18:09	SY/MD	Ok
19	Q1463-04	VY021443.D	06 Mar 2025 18:33	SY/MD	Ok
20	Q1463-06	VY021444.D	06 Mar 2025 18:56	SY/MD	Ok
21	Q1463-07	VY021445.D	06 Mar 2025 19:20	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM		
SubDirectory	VY030625	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133223
Initial Calibration Stds	
CCC	VP133224,VP133225
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1463-08	VY021446.D	06 Mar 2025 19:43	SY/MD	Ok
23	Q1463-09	VY021447.D	06 Mar 2025 20:06	SY/MD	Ok
24	Q1463-10	VY021448.D	06 Mar 2025 20:30	SY/MD	ReRun
25	VSTDCCC050	VY021449.D	06 Mar 2025 21:15	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022525

Review By	Mahesh Dadoda	Review On	2/26/2025 1:45:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/26/2025 1:46:55 PM		
SubDirectory	VY022525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y022525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133154
Initial Calibration Stds	VP133137,VP133140,VP133143,VP133146,VP133147,VP133149
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021308.D	25 Feb 2025 12:10		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021309.D	25 Feb 2025 12:40		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021310.D	25 Feb 2025 13:03		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021311.D	25 Feb 2025 13:26	Acrolein fail for method	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021312.D	25 Feb 2025 14:48		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021313.D	25 Feb 2025 15:34	Not used	SY/MD	Not Ok
7	VSTDICC150	VSTDICC150	VY021314.D	25 Feb 2025 15:57		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021315.D	25 Feb 2025 16:24		SY/MD	Ok
9	VSTDICC100	VSTDICC100	VY021316.D	25 Feb 2025 16:49		SY/MD	Ok,M
10	VSTDICV050	ICVVY022525	VY021317.D	25 Feb 2025 17:31	ICV Failed for comp. #10	SY/MD	Ok,M
11	VIBLK	VIBLK	VY021318.D	25 Feb 2025 17:54		SY/MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022725

Review By	Mahesh Dadoda	Review On	2/28/2025 11:07:46 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:02 AM		
SubDirectory	VY022725	HP Acquire Method		HP Processing Method	82y022225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133167
Initial Calibration Stds	VP133165,VP133166
CCC	
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021345.D	27 Feb 2025 09:41		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021346.D	27 Feb 2025 10:13		SY/MD	Ok,M
3	VY0227SBL01	VY0227SBL01	VY021347.D	27 Feb 2025 10:42		SY/MD	Ok
4	VY0227SBS01	VY0227SBS01	VY021348.D	27 Feb 2025 11:18		SY/MD	Ok,M
5	VY0227SBSD01	VY0227SBSD01	VY021349.D	27 Feb 2025 11:40		SY/MD	Ok,M
6	Q1428-01	NB-07-022525	VY021350.D	27 Feb 2025 12:04	Vial-A ISTD Fail	SY/MD	ReRun
7	Q1442-03	351	VY021351.D	27 Feb 2025 12:28	Vial-A	SY/MD	Ok
8	Q1416-01RE	OK-01-022425RE	VY021352.D	27 Feb 2025 12:51	Vial-B ISTD Fail	SY/MD	Confirms
9	Q1428-01RE	NB-07-022525RE	VY021353.D	27 Feb 2025 13:14	Vial-B Internal Standard Fail	SY/MD	Confirms
10	Q1418-01	TR-06-02242025	VY021354.D	27 Feb 2025 13:38	Vial-B Not purge	SY/MD	Not Ok
11	Q1415-03RE	B-163-SB02RE	VY021355.D	27 Feb 2025 14:01	Vial-B Internal standard fail;Not match for com.#20	SY/MD	Confirms
12	Q1422-02	B-154-SB02	VY021356.D	27 Feb 2025 14:25	Vial-A Internal standard fail	SY/MD	ReRun
13	Q1422-01	B-154-SB01	VY021357.D	27 Feb 2025 14:48	Vial-A Internal standard fail	SY/MD	ReRun
14	Q1421-09	P001-CLAY-CF02-01	VY021358.D	27 Feb 2025 15:12	Internal Standard Fail	SY/MD	ReRun
15	Q1421-07	P001-CLAY-CF01-02	VY021359.D	27 Feb 2025 15:35	Vial-A Internal standard fail	SY/MD	ReRun
16	Q1421-01	P001-CLAY-CF01-01	VY021360.D	27 Feb 2025 15:58	Vial-A Internal standard fail	SY/MD	Ok
17	Q1427-01RE	VNJ-227RE	VY021361.D	27 Feb 2025 16:22	Vial-B Internal standard fail;Surrogate fail	SY/MD	Confirms

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022725

Review By	Mahesh Dadoda	Review On	2/28/2025 11:07:46 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:02 AM		
SubDirectory	VY022725	HP Acquire Method		HP Processing Method	82y022225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133167
Initial Calibration Stds	VP133165,VP133166
CCC	
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1420-07	TP-2-WC-VOC	VY021362.D	27 Feb 2025 16:45	Vial-B	SY/MD	Ok
19	Q1411-03	HR-03-02212025	VY021363.D	27 Feb 2025 17:09	Vial-B Not purge	SY/MD	Not Ok
20	Q1411-01	HR-02-02212025	VY021364.D	27 Feb 2025 17:32	Vial-B Internal standard fail	SY/MD	Ok
21	Q1440-01	OR-02-022625	VY021365.D	27 Feb 2025 17:55	Vial-A Internal standard fail	SY/MD	ReRun
22	Q1448-01	PSP1	VY021366.D	27 Feb 2025 18:19	Vial-A Internal standard fail	SY/MD	ReRun
23	Q1448-02	P1	VY021367.D	27 Feb 2025 18:42	Vial-A Internal standard fail	SY/MD	ReRun
24	Q1448-03	P2	VY021368.D	27 Feb 2025 19:06	Vial-A Internal standard fail	SY/MD	ReRun
25	Q1448-04	P3	VY021369.D	27 Feb 2025 19:29	Vial-A Internal standard fail;Need MeOH	SY/MD	Dilution
26	Q1448-05	P4	VY021370.D	27 Feb 2025 19:52	Vial-A Internal standard fail	SY/MD	ReRun
27	Q1421-02MS	P001-CLAY-CF01-01M	VY021371.D	27 Feb 2025 20:15	Vial-A Internal standard fail	SY/MD	Ok,M
28	Q1421-03MSD	P001-CLAY-CF01-01M	VY021372.D	27 Feb 2025 20:38	Vial-A Internal standard fail	SY/MD	Ok,M
29	VSTDCCC050	VSTDCCC050EC	VY021373.D	27 Feb 2025 21:01		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022825

Review By	John Carlone	Review On	3/3/2025 12:12:17 PM		
Supervise By	Mahesh Dadoda	Supervise On	3/3/2025 1:51:10 PM		
SubDirectory	VY022825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y022525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133182
Initial Calibration Stds	
CCC	VP133183,VP133184
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021374.D	28 Feb 2025 09:03		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021375.D	28 Feb 2025 09:44	CCAL failed low for comp. #11; CCAL failed high for comp. #16	SY/MD	Ok,M
3	VY0228SBL01	VY0228SBL01	VY021376.D	28 Feb 2025 10:59		SY/MD	Ok
4	VY0228SBS01	VY0228SBS01	VY021377.D	28 Feb 2025 11:32		SY/MD	Ok,M
5	VY0228SBSD01	VY0228SBSD01	VY021378.D	28 Feb 2025 11:55		SY/MD	Ok,M
6	Q1421-07RE	P001-CLAY-CF01-02RE	VY021379.D	28 Feb 2025 12:56	Vial-B Internal Standard Fail	SY/MD	Confirms
7	Q1422-01RE	B-154-SB01RE	VY021380.D	28 Feb 2025 13:20	Vial-B Internal Standard Fail	SY/MD	Confirms
8	Q1422-02	B-154-SB02	VY021381.D	28 Feb 2025 15:31	Vial-B	SY/MD	Ok
9	Q1448-01RE	PSP1RE	VY021382.D	28 Feb 2025 15:55	Vial-B CCAL failed low for comp. #11	SY/MD	Confirms
10	Q1448-02RE	P1RE	VY021383.D	28 Feb 2025 16:18	Vial-B CCAL failed low for comp. #11	SY/MD	Confirms
11	Q1448-03RE	P2RE	VY021384.D	28 Feb 2025 16:41	Vial-B CCAL failed low for comp. #11;Not match for comp. #20	SY/MD	Confirms
12	Q1448-05RE	P4RE	VY021385.D	28 Feb 2025 17:05	Vial-B CCAL failed low for comp. #11; CCAL failed high for comp. #16;Not match for comp. #11,16,20	SY/MD	Confirms
13	Q1440-01	OR-02-022625	VY021386.D	28 Feb 2025 17:28	Vial-B	SY/MD	Ok
14	Q1441-01	HD-02-022625	VY021387.D	28 Feb 2025 17:52	Vial-B Internal Standard Fail	SY/MD	ReRun
15	Q1458-02	SP-SOIL-VOC	VY021388.D	28 Feb 2025 18:15	vial-A	SY/MD	Ok,M

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022825

Review By	John Carlone	Review On	3/3/2025 12:12:17 PM		
Supervise By	Mahesh Dadoda	Supervise On	3/3/2025 1:51:10 PM		
SubDirectory	VY022825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y022525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133182
Initial Calibration Stds	
CCC	VP133183,VP133184
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

16	Q1463-01	T1	VY021389.D	28 Feb 2025 18:38	Vial-A CCAL failed low for comp. #11	SY/MD	ReRun
17	Q1457-01	HR-0-02272025	VY021390.D	28 Feb 2025 19:02	Vial-A	SY/MD	Ok
18	Q1463-03	T3	VY021391.D	28 Feb 2025 19:25	Vial-A Internal Standard Fail; CCAL failed low for comp. #11; CCAL failed high for comp.#16	SY/MD	ReRun
19	Q1463-04	T4	VY021392.D	28 Feb 2025 19:49	Vial-A CCAL failed low for comp. #11	SY/MD	ReRun
20	Q1463-05	T5	VY021393.D	28 Feb 2025 20:12	Vial-A Internal Standard Fail; CCAL failed low for comp. #11; CCAL failed high for comp.#16	SY/MD	ReRun
21	VSTDCCC050	VSTDCCC050EC	VY021394.D	28 Feb 2025 20:35		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM		
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021395.D	04 Mar 2025 08:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021396.D	04 Mar 2025 09:23	not used	SY/MD	Not Ok
3	VSTDICC010	VSTDICC010	VY021397.D	04 Mar 2025 09:46		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021398.D	04 Mar 2025 10:09	Comp.#11 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	Comp.#95 is on Quadratic Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021400.D	04 Mar 2025 11:06		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021401.D	04 Mar 2025 11:29	Method fail for comp.#13	SY/MD	Ok,M
8	VIBLK	VIBLK	VY021402.D	04 Mar 2025 11:52		SY/MD	Ok
9	VSTDICC005	VSTDICC005	VY021403.D	04 Mar 2025 12:15		SY/MD	Ok,M
10	VSTDICV050	ICVVY030425	VY021404.D	04 Mar 2025 13:12		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM		
SubDirectory	VY030625	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133223
Initial Calibration Stds	
CCC	VP133224,VP133225
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021425.D	06 Mar 2025 09:39		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021426.D	06 Mar 2025 10:10		SY/MD	Ok,M
3	VY0306SBL01	VY0306SBL01	VY021427.D	06 Mar 2025 11:59		SY/MD	Ok
4	VY0306SBS01	VY0306SBS01	VY021428.D	06 Mar 2025 12:33		SY/MD	Ok,M
5	VY0306SBSD01	VY0306SBSD01	VY021429.D	06 Mar 2025 12:55		SY/MD	Ok,M
6	Q1489-05	TP-2	VY021430.D	06 Mar 2025 13:28	vial-B	SY/MD	Ok
7	Q1489-01	TP-1	VY021431.D	06 Mar 2025 13:52	vial-B Not purge	SY/MD	Not Ok
8	Q1421-09	P001-CLAY-CF02-01	VY021432.D	06 Mar 2025 14:15	vial-B	SY/MD	Ok
9	Q1479-01	P5	VY021433.D	06 Mar 2025 14:39	vial-A	SY/MD	Ok
10	Q1479-02	DSP2	VY021434.D	06 Mar 2025 15:02	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q1488-01	ENV-101-SB01	VY021435.D	06 Mar 2025 15:25	vial-A	SY/MD	Ok
12	Q1488-03	ENV-101-SB02	VY021436.D	06 Mar 2025 15:49	vial-A	SY/MD	Ok
13	Q1488-05	ENV-102-SB01	VY021437.D	06 Mar 2025 16:12	vial-A	SY/MD	Ok
14	Q1488-07	ENV-102-SB02	VY021438.D	06 Mar 2025 16:36	vial-A Not purge	SY/MD	Not Ok
15	Q1488-09	ENV-104-SB01	VY021439.D	06 Mar 2025 16:59	vial-A Internal Standard Fail	SY/MD	ReRun
16	Q1488-11	ENV-104-SB02	VY021440.D	06 Mar 2025 17:22	vial-A Not purge	SY/MD	Not Ok
17	Q1463-01	T1	VY021441.D	06 Mar 2025 17:46	vial-B	SY/MD	Ok
18	Q1463-05	T5	VY021442.D	06 Mar 2025 18:09	vial-B	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM		
SubDirectory	VY030625	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133223
Initial Calibration Stds	
CCC	VP133224,VP133225
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1463-04	T4	VY021443.D	06 Mar 2025 18:33	Vial-B	SY/MD	Ok
20	Q1463-06	T6	VY021444.D	06 Mar 2025 18:56	Vial-A	SY/MD	Ok
21	Q1463-07	T7	VY021445.D	06 Mar 2025 19:20	Vial-A	SY/MD	Ok
22	Q1463-08	T8	VY021446.D	06 Mar 2025 19:43	Vial-A	SY/MD	Ok
23	Q1463-09	T9	VY021447.D	06 Mar 2025 20:06	Vial-A	SY/MD	Ok
24	Q1463-10	T10	VY021448.D	06 Mar 2025 20:30	Vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
25	VSTDCCC050	VSTDCCC050EC	VY021449.D	06 Mar 2025 21:15		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: Jignesh
Date: 3/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:05
In Date: 02/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134780

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
Q1401-07	BP-VPB-192-GW-825-827	1	1.15	8.83	9.98	2.04	10.1	sludge sample
Q1401-08	BP-VPB-192-GW-860-862	2	1.13	8.65	9.78	1.93	9.2	sludge sample
Q1401-09	BP-VPB-192-GW-880-882	3	1.13	8.68	9.81	1.64	5.9	sludge sample
Q1403-05	SVOC-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1403-06	PEST-GPC-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q1403-07	PEST-GPC-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q1403-08	PCB-GPC-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1403-09	PCB-GPC-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q1403-10	SVOC-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1403-11	PEST-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q1403-12	PEST-GPC2-BLANK-SPIKE	11	1.00	1.00	2.00	2.00	100.0	
Q1403-13	PCB-GPC2-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q1403-14	PCB-GPC2-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q1407-01	022125	14	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1411-01	HR-02-02212025	15	1.16	8.48	9.64	9.09	93.5	
Q1411-02	HR-02-02212025-E2	16	1.15	8.70	9.85	9.12	91.6	
Q1411-03	HR-03-02212025	17	1.15	8.81	9.96	9.2	91.4	
Q1411-04	HR-03-02212025-E2	18	1.14	8.43	9.57	8.93	92.4	
Q1412-01	GAS-FUEL-ISLAND-MAT	19	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1413-01	BU-2-022125	20	1.18	8.58	9.76	9.28	94.4	
Q1413-02	BU-2-022125	21	1.19	8.45	9.64	9.22	95.0	
Q1414-01	BUR-1316	22	1.12	8.78	9.9	6.68	63.3	
Q1415-01	B-163-SB01	23	1.15	8.80	9.95	8.94	88.5	
Q1415-02	B-172-SB01	24	1.17	8.60	9.77	8.62	86.6	
Q1415-03	B-163-SB02	25	1.13	8.85	9.98	7.54	72.4	
Q1415-04	B-172-SB02	26	1.18	8.77	9.95	9.05	89.7	
Q1416-01	OK-01-022425	27	1.15	8.48	9.63	8.58	87.6	
Q1416-02	OK-01-022425-E2	28	1.16	8.69	9.85	8.77	87.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: Jignesh
Date: 3/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:05
In Date: 02/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134780

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
Q1418-01	TR-06-02242025	35	1.15	8.71	9.86	8.87	88.6	
Q1418-02	TR-06-02242025-E2	36	1.12	8.75	9.87	8.76	87.3	
Q1420-01	TP-1-WC	29	1.15	8.82	9.97	9.04	89.5	
Q1420-02	TP-1-WC-EPH	30	1.12	8.76	9.88	8.96	89.5	
Q1420-03	TP-1-WC-VOC	31	1.14	8.85	9.99	9.18	90.8	
Q1420-05	TP-2-WC	32	1.15	8.62	9.77	8.79	88.6	
Q1420-06	TP-2-WC-EPH	33	1.15	8.40	9.55	8.63	89.0	
Q1420-07	TP-2-WC-VOC	34	1.14	8.85	9.99	9.00	88.8	
Q1421-01	P001-CLAY-CF01-01	37	1.17	8.60	9.77	7.22	70.3	
Q1421-02	Q1421-01MS	38	1.17	8.60	9.77	7.22	70.3	
Q1421-03	Q1421-01MSD	39	1.17	8.60	9.77	7.22	70.3	
Q1421-04	P001-CLAY-CF01-01	40	1.00	9.00	10.00	1.00	0.0	
Q1421-05	Q1421-04MS	41	1.00	9.00	10.00	1.00	0.0	
Q1421-06	Q1421-04MSD	42	1.00	9.00	10.00	1.00	0.0	
Q1421-07	P001-CLAY-CF01-02	43	1.12	8.55	9.67	7.55	75.2	
Q1421-08	P001-CLAY-CF01-02	44	1.00	9.00	10.00	1.00	0.0	
Q1421-09	P001-CLAY-CF02-01	45	1.11	8.74	9.85	7.96	78.4	
Q1421-10	P001-CLAY-CF02-01	46	1.00	9.00	10.00	1.00	0.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB134780

WorkList Name : %1-022425 **WorkList ID :** 187836 **Department :** Wet-Chemistry **Date :** 02-24-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1401-07	BP-VPB-192-GW-825-827	Solid	Percent Solids	1:1 HCl to pH < 2	TETR06	H31	02/17/2025	Chemtech -SO
Q1401-08	BP-VPB-192-GW-860-862	Solid	Percent Solids	1:1 HCl to pH < 2	TETR06	H31	02/17/2025	Chemtech -SO
Q1401-09	BP-VPB-192-GW-880-882	Solid	Percent Solids	1:1 HCl to pH < 2	TETR06	H31	02/17/2025	Chemtech -SO
Q1403-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1407-01	022125	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1411-01	HR-02-02212025	Solid	Percent Solids	Cool 4 deg C	PSEG03	H23	02/21/2025	Chemtech -SO
Q1411-02	HR-02-02212025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1411-03	HR-03-02212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1411-04	HR-03-02212025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1412-01	GAS-FUEL-ISLAND-MAT	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1413-01	BU-2-022125	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/21/2025	Chemtech -SO
Q1413-02	BU-2-022125	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO

Date/Time 02/24/25 15:25

Raw Sample Received by: JP (WDC)

Raw Sample Relinquished by: [signature]

Date/Time 02/24/25 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: JP (WDC)

WORKLIST(Hardcopy Internal Chain)

Lh 134780

WorkList Name : %1-022425 **WorkList ID :** 187836 **Department :** Wet-Chemistry **Date :** 02-24-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1414-01	BUR-1316	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/21/2025	Chemtech -SO
Q1415-01	B-163-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1415-02	B-172-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1415-03	B-163-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1415-04	B-172-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1416-01	OK-01-022425	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/24/2025	Chemtech -SO
Q1416-02	OK-01-022425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/24/2025	Chemtech -SO
Q1418-01	TR-06-02242025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H41	02/24/2025	Chemtech -SO
Q1418-02	TR-06-02242025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H41	02/24/2025	Chemtech -SO
Q1420-01	TP-1-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-02	TP-1-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-03	TP-1-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-05	TP-2-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-06	TP-2-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-07	TP-2-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1421-01	P001-CLAY-CF01-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-02	Q1421-01MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-03	Q1421-01MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-04	P001-CLAY-CF01-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-05	Q1421-04MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-06	Q1421-04MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO

Date/Time 02/24/25 15:25

Raw Sample Received by: JR Wec

Raw Sample Relinquished by: [signature]

Date/Time 02/24/25 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: JR Wec

WORKLIST(Hardcopy Internal Chain)

VR134780

WorkList Name : %1-022425 **WorkList ID :** 187836 **Department :** Wet-Chemistry **Date :** 02-24-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1421-07	P001-CLAY-CF01-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-08	P001-CLAY-CF01-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-09	P001-CLAY-CF02-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-10	P001-CLAY-CF02-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO

Date/Time 02/24/25 15:25
Raw Sample Received by: JR Wolf
Raw Sample Relinquished by: [signature]

Date/Time 02/24/25 17:10
Raw Sample Received by: [signature]
Raw Sample Relinquished by: JR Wolf

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

Prep Standard - Chemical Standard Summary

Order ID : Q1421

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VY022725,vy022825,vy030625,

Standard ID :
VP130432,VP131767,VP131783,VP132035,VP132036,VP132098,VP132613,VP132614,VP133036,VP133037,VP133165,VP133166,VP133167,VP133175,VP133178,VP133179,VP133182,VP133183,VP133184,VP133223,VP133224,VP133225,

Chemical ID :
V13391,V13446,V13466,V13706,V13707,V14145,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14613,V14614,V14624,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14744,V14754,V14756,V14801,V14809,V14814,V14842,V14872,V14873,V14874,V14875,W3112,

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP130432	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.10000ml of V13707 + 24.90000ml of V14145 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP131783	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.02000ml of V14289 + 9.98000ml of V14154 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1811	8260 Working Std(2-CVE)-500ppm	VP132036	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 7.50000ml of V14614 + 12.50000ml of VP132035 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
252	8260 Working STD (BCM)-First source, 100PPM	VP132098	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.25000ml of V13466 + 23.75000ml of V14614 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP132613	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 0.40000ml of V13446 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14722 + 1.00000ml of V14754 + 1.00000ml of V14756 + 1.00000ml of V14801 + 1.00000ml of V14814 + 1.50000ml of V14723 + 1.50000ml of V14724 + 10.60000ml of V14624 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
244	8260 Calibration Working STD Mix-First source, 100PPM	VP132614	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 5.62500ml of V14624 + 9.37500ml of VP132613 = Final Quantity: 15.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133036	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/18/2025

FROM 1.00000ml of V14872 + 1.00000ml of V14873 + 1.00000ml of V14874 + 1.00000ml of V14875 + 21.00000ml of V14624 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
56	8260 Working STD (Acrolein) -first source, 500PPM	VP133037	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/18/2025

FROM 5.62500ml of V14624 + 9.37500ml of VP133036 = Final Quantity: 15.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133165	02/27/2025	02/28/2025	Romaben Patel	None	None	Mahesh Dadoda 03/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133166	02/27/2025	02/28/2025	Romaben Patel	None	None	Mahesh Dadoda 03/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP133167	02/27/2025	02/28/2025	Romaben Patel	None	None	Mahesh Dadoda 03/07/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP133175	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.10000ml of V13706 + 24.90000ml of V14613 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133178	02/27/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V14842 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14724 + 1.00000ml of V14744 + 1.00000ml of V14754 + 1.00000ml of V14809 + 1.00000ml of V14814 + 1.50000ml of V14722 + 1.50000ml of V14723 + 10.60000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
244	8260 Calibration Working STD Mix-First source, 100PPM	VP133179	02/27/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 5.62500ml of V14613 + 9.37500ml of VP133178 = Final Quantity: 15.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP133182	02/28/2025	03/01/2025	Amit Patel	None	None	Mahesh Dadoda 03/04/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133183	02/28/2025	02/28/2025	Amit Patel	None	None	Mahesh Dadoda 03/04/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00250ml of VP133175 + 0.00250ml of VP133179 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133184	02/28/2025	02/28/2025	Amit Patel	None	None	Mahesh Dadoda 03/04/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00250ml of VP133175 + 0.00250ml of VP133179 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP133223	03/06/2025	03/07/2025	Romaben Patel	None	None	Mahesh Dadoda 03/07/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133224	03/06/2025	03/07/2025	Romaben Patel	None	None	Mahesh Dadoda 03/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133037 + 0.00250ml of VP133175 + 0.00250ml of VP133179 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133225	03/06/2025	03/07/2025	Romaben Patel	None	None	Mahesh Dadoda 03/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133037 + 0.00250ml of VP133175 + 0.00250ml of VP133179 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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

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	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	02/28/2025	01/10/2025 / SAM	01/23/2023 / SAM	V13446

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	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

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]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

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]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

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)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

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

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)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

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	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14175

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	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14176

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	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

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	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14433

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	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14439

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

CHEMICAL RECEIPT LOG BOOK

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	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14521

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	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14522

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)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

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)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

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	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

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	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14722

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	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14723

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	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

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

CHEMICAL RECEIPT LOG BOOK

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	08/27/2025	02/27/2025 / SAM	12/17/2024 / SAM	V14744

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	05/31/2031	01/10/2025 / SAM	12/17/2024 / SAM	V14754

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	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14756

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 LOTS	A0220563	06/30/2026	01/10/2025 / SAM	01/08/2025 / SAM	V14801

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 LOTS	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14809

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 LOTS	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14814

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

CHEMICAL RECEIPT LOG BOOK

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	08/27/2025	02/27/2025 / SAM	01/21/2025 / SAM	V14842

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14872

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14875

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 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable 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

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable 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

James Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable 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

James Ethier

Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

5 J14

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

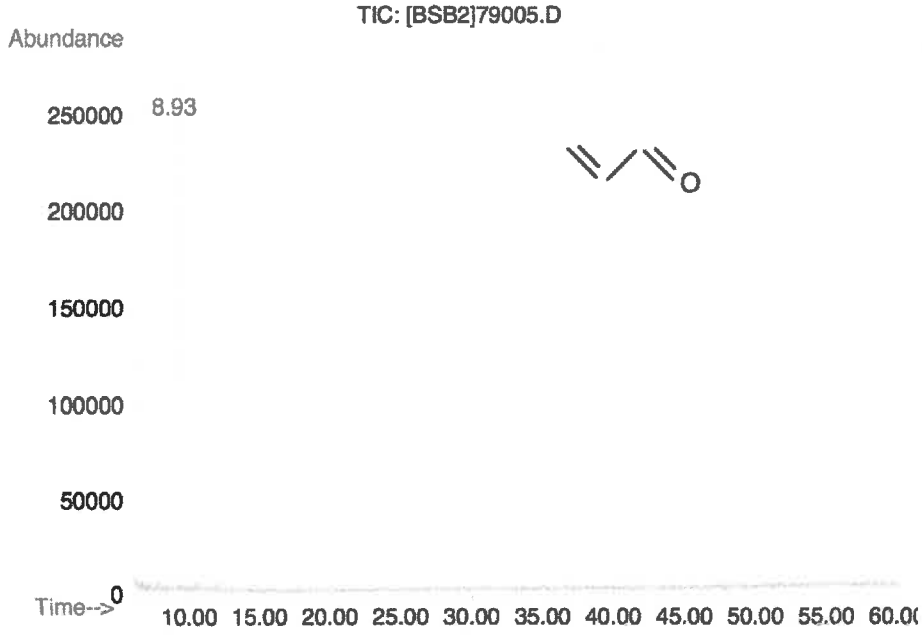
V14872 to
V14876

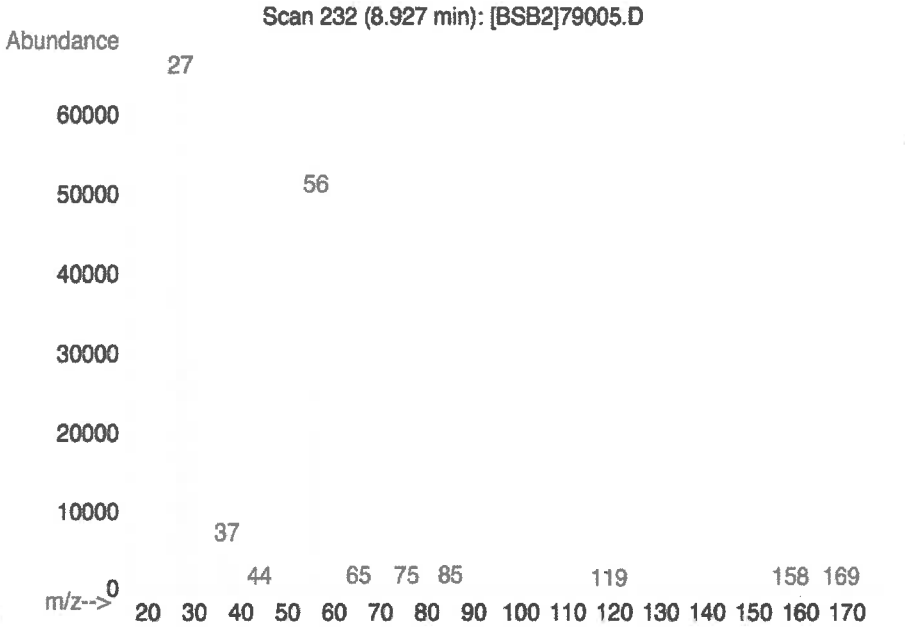
Formulated By:	Anthony Mahoney	021325 DATE
Reviewed By:	Pedro L. Rentas	021325 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (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 Rentas. **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.





- **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 certifed (+/-) 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).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

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)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water CAS#: 7732-18-5 TWA: 500 ppm

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	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

5 J14

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

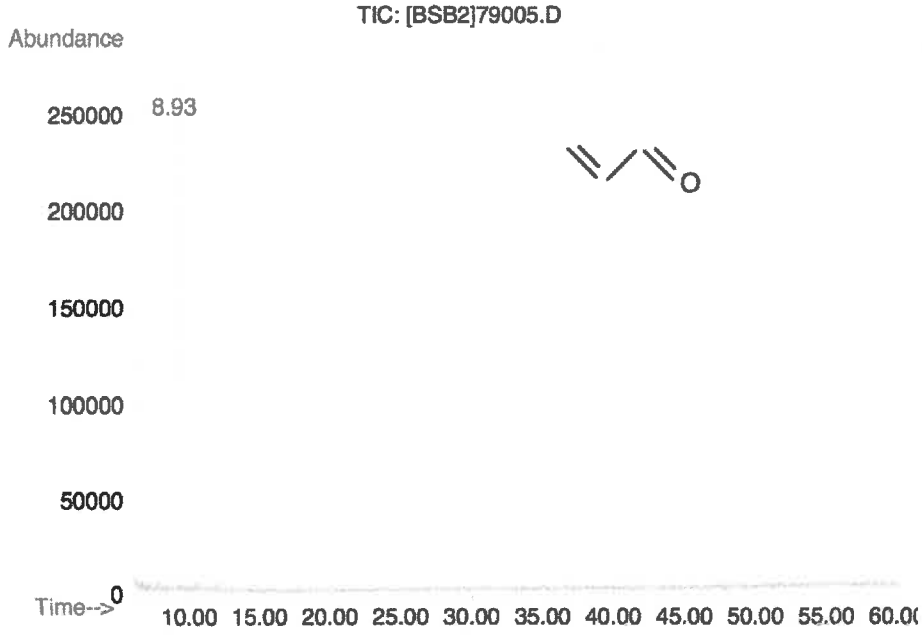
V14872 to
V14876

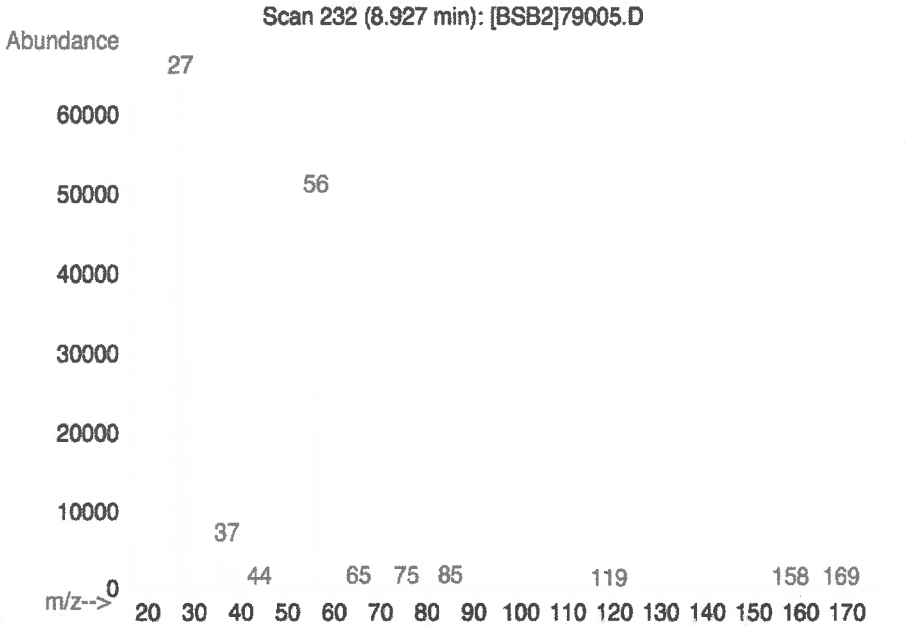
Formulated By:	Anthony Mahoney	021325 DATE
Reviewed By:	Pedro L. Rentas	021325 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (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 Rentas. **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.





- **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 certifed (+/-) 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).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

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)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water CAS#: 7732-18-5 TWA: 500 ppm

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	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

5 J14

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

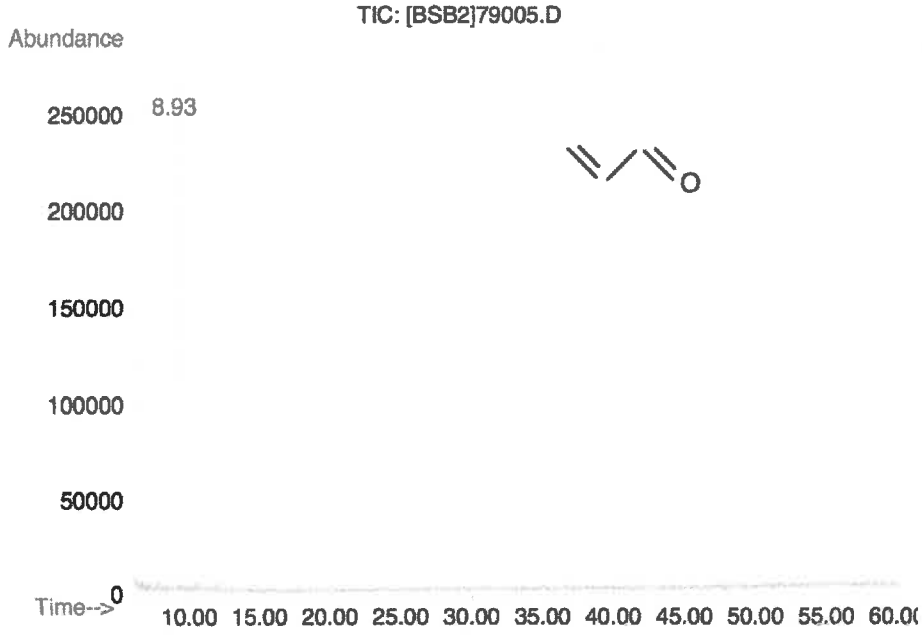
V14872 to
V14876

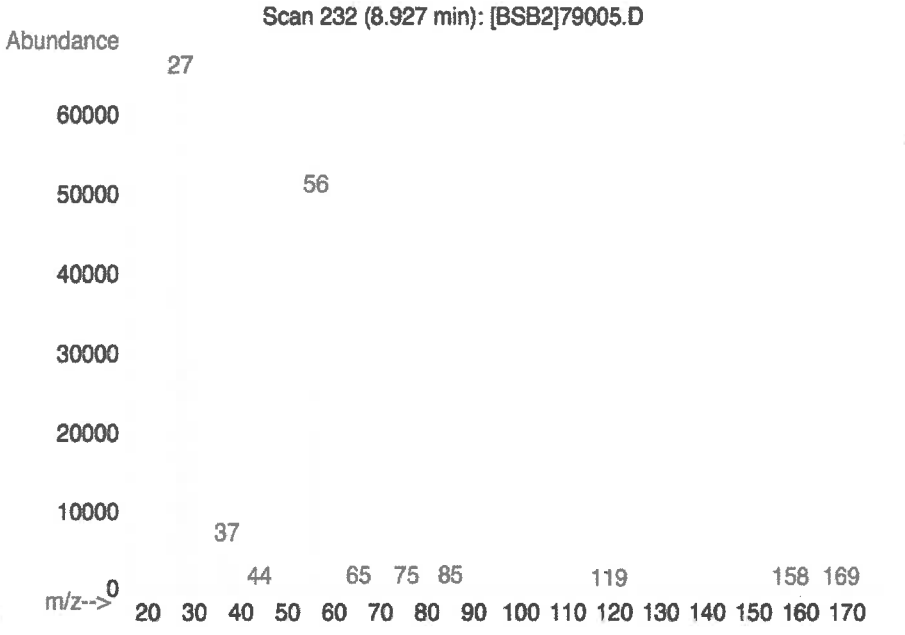
Formulated By:	Anthony Mahoney	021325 DATE
Reviewed By:	Pedro L. Rentas	021325 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (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 Rentas. **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.





- **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 certifed (+/-) 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).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

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)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water CAS#: 7732-18-5 TWA: 500 ppm

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	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

5 J14

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

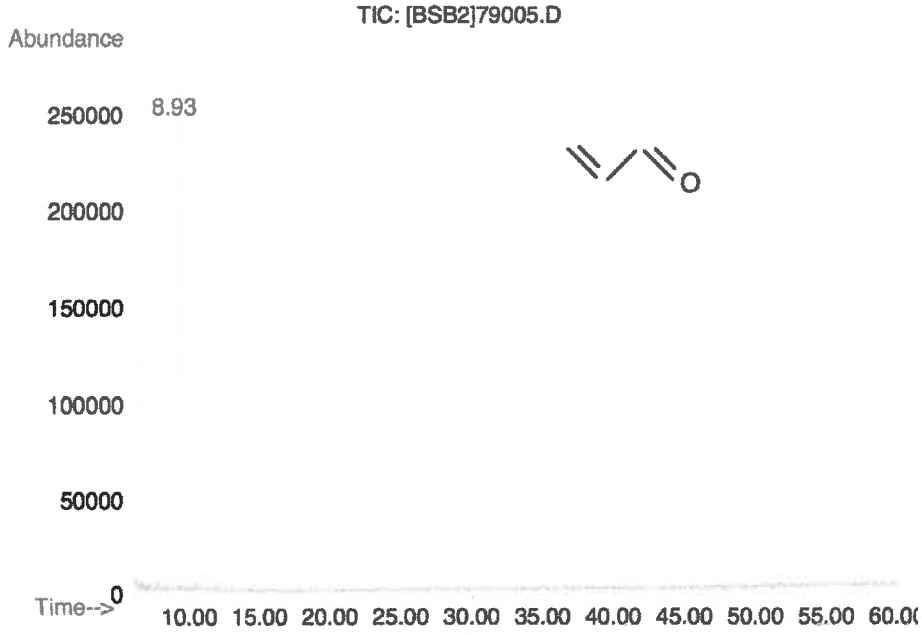
V14872 to
V14876

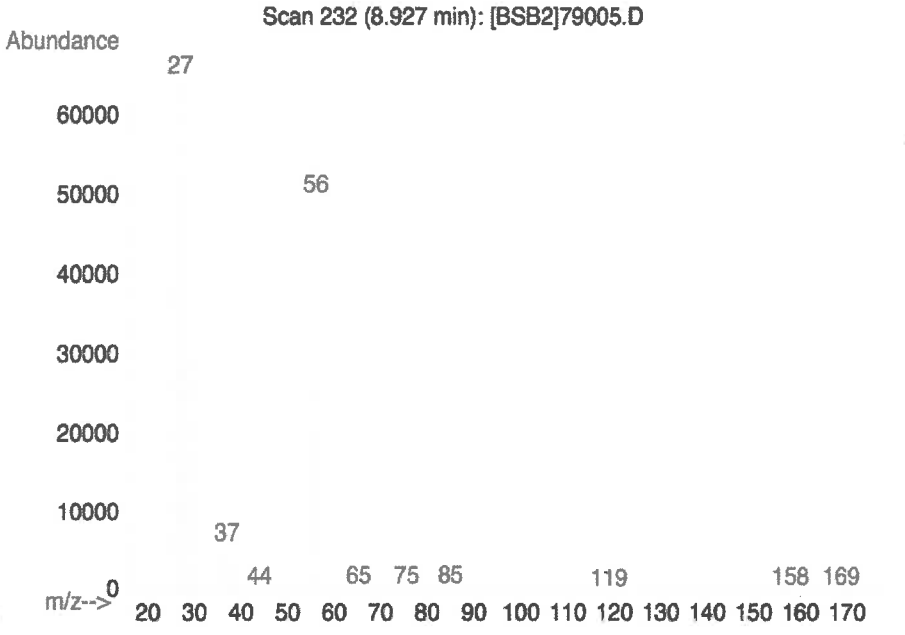
Formulated By:	Anthony Mahoney	021325 DATE
Reviewed By:	Pedro L. Rentas	021325 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (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 Rentas. **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.





- **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 certifed (+/-) 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).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

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)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water CAS#: 7732-18-5 TWA: 500 ppm

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	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL):	100.0	0.021	Flask Uncertainty
		5E-05	Balance Uncertainty

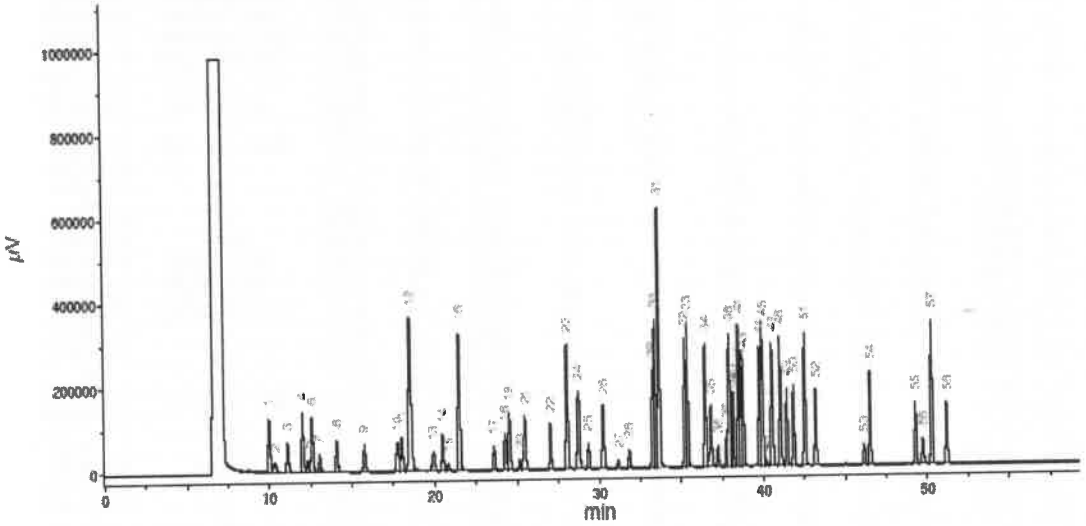
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) 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)	orl-rat 2460mg/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)	orl-rat 700mg/kg
3. Carbon disulphide	(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)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000(	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	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-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)	orl-rat 76mg/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)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-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)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	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)	orl-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)	orl-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	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	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)	orl-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	orl-rat 916mg/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	orl-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	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-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	orl-rat 820mg/kg
22. 1,1-Dichloroethene	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)	orl-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)	orl-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)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-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	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
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. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-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)	orl-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	orl-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)	orl-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)	orl-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)	orl-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	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	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	40017.8	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)	orl-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	630-20-6	N/A	orl-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)	orl-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 (46mg/m3/8H)(skin)	orl-rat 836mg/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)	orl-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)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-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)	orl-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	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-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	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-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	87-61-6	N/A	ipr-mus 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)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-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	108-67-8	N/A	orl-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)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-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)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-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	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-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	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- 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 sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: 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).

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., Hydogen(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	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
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	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.88
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	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-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

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, 2023

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 sheild**
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	CAS#: 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. 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 (H2O = 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)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
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: 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#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL):	100.0	0.021	Flask Uncertainty
		5E-05	Balance Uncertainty

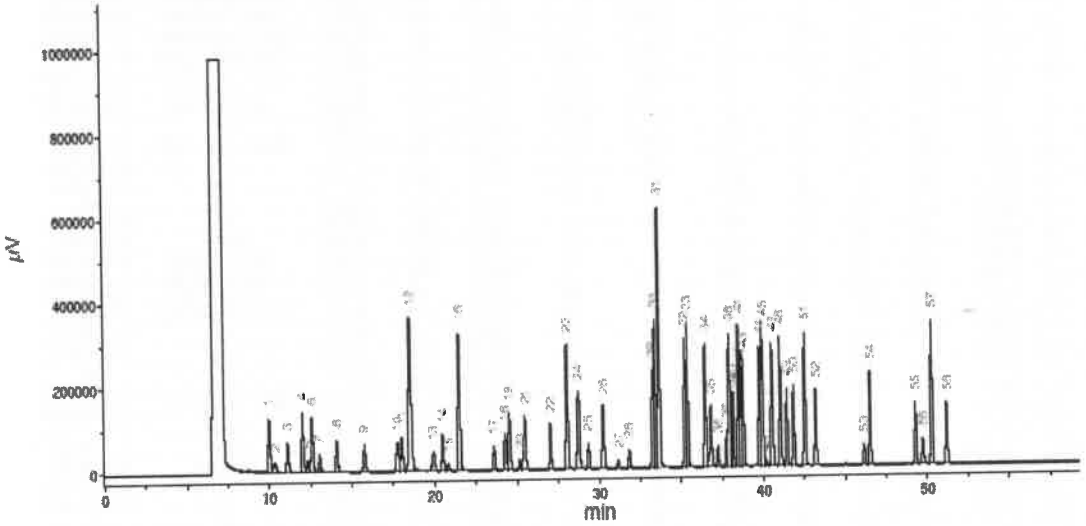
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) 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)	orl-rat 2460mg/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)	orl-rat 700mg/kg
3. Carbon disulphide	(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)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000(	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	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-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)	orl-rat 76mg/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)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-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)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	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)	orl-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)	orl-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	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	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)	orl-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	orl-rat 916mg/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	orl-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	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-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	orl-rat 820mg/kg
22. 1,1-Dichloroethene	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)	orl-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)	orl-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)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-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	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
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. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-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)	orl-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	orl-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)	orl-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)	orl-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)	orl-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	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	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	40017.8	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)	orl-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	630-20-6	N/A	orl-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)	orl-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 (46mg/m3/8H)(skin)	orl-rat 836mg/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)	orl-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)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-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)	orl-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	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-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	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-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	87-61-6	N/A	ipr-mus 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)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-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	108-67-8	N/A	orl-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)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-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)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-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	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-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	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- 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 sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: 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).

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., Hydogen(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	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
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	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.88
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	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-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

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, 2023

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 sheild**
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	CAS#: 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. 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 (H2O = 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)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

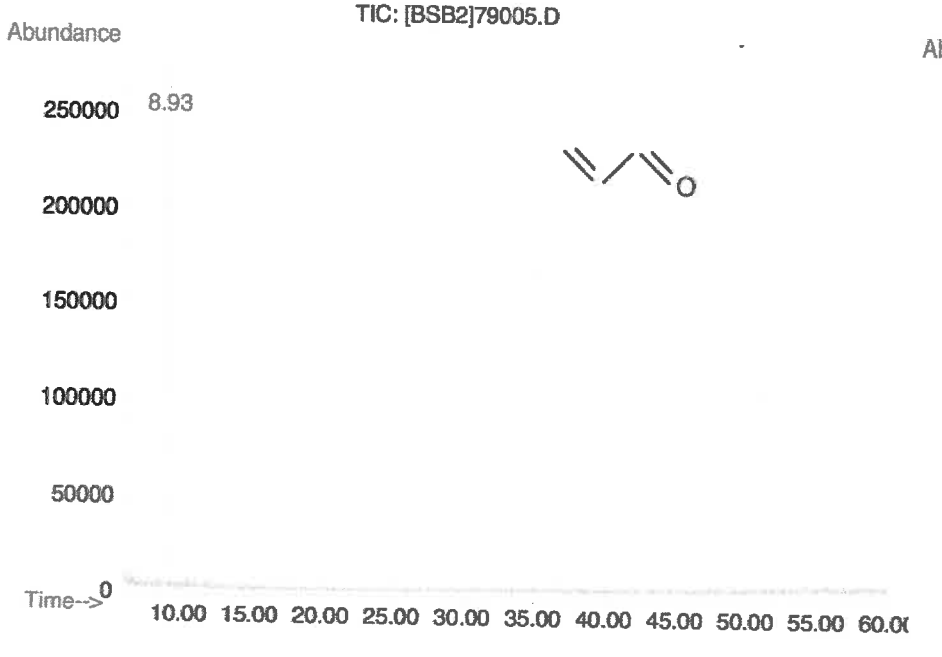
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

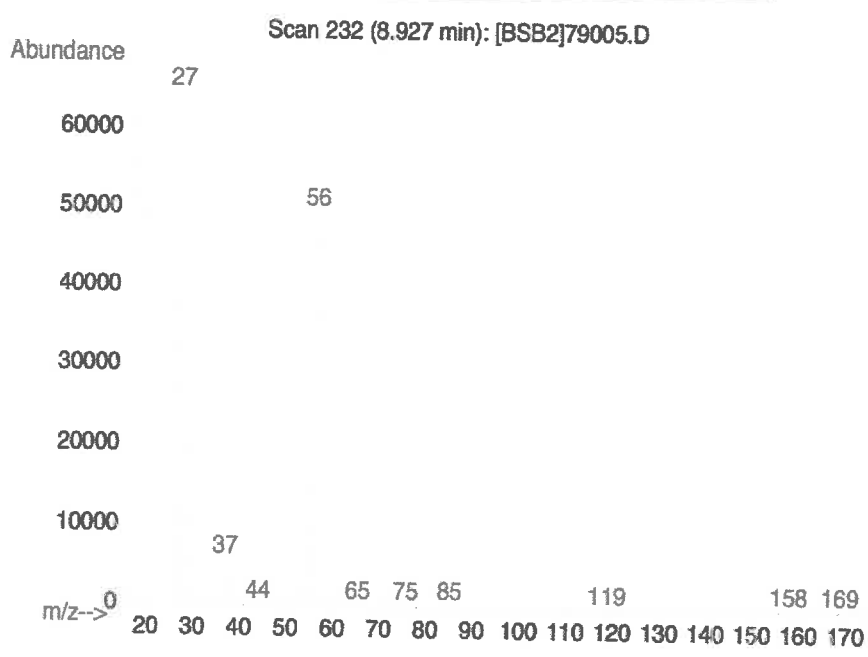
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

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.) 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	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (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 Rentas. **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.





- 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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

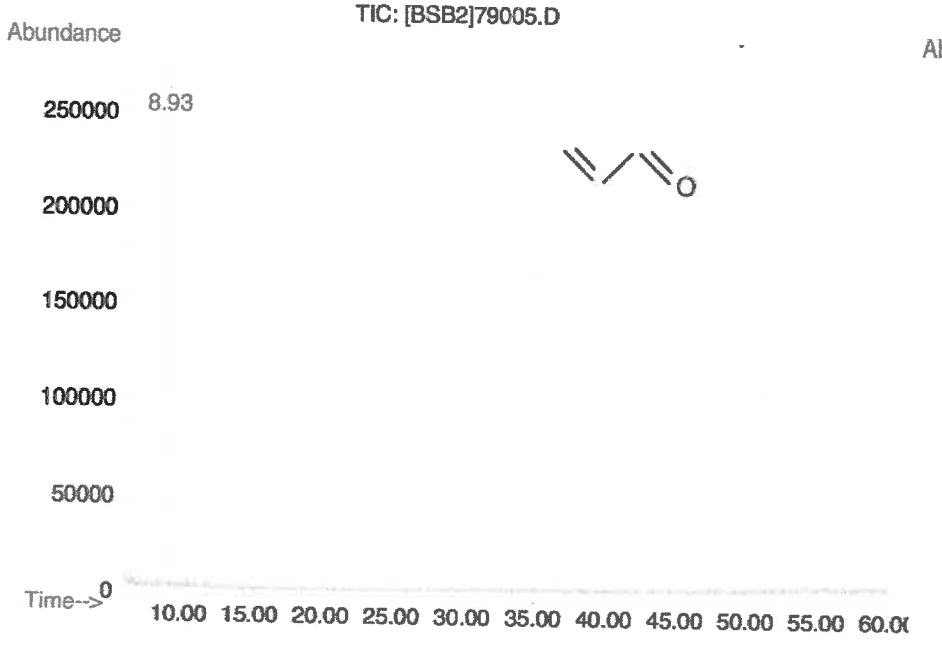
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

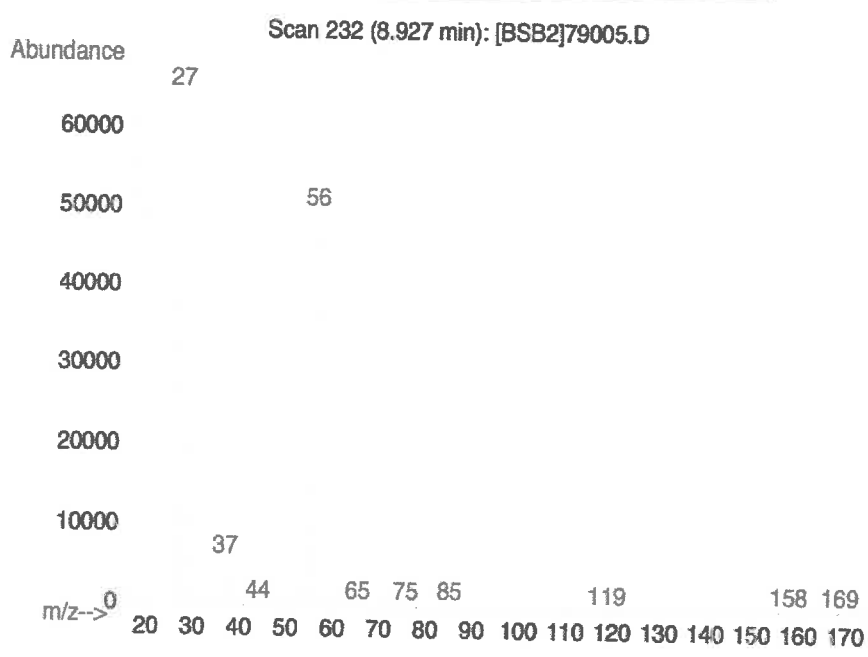
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

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.) 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	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (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 Rentas. **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.





- 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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

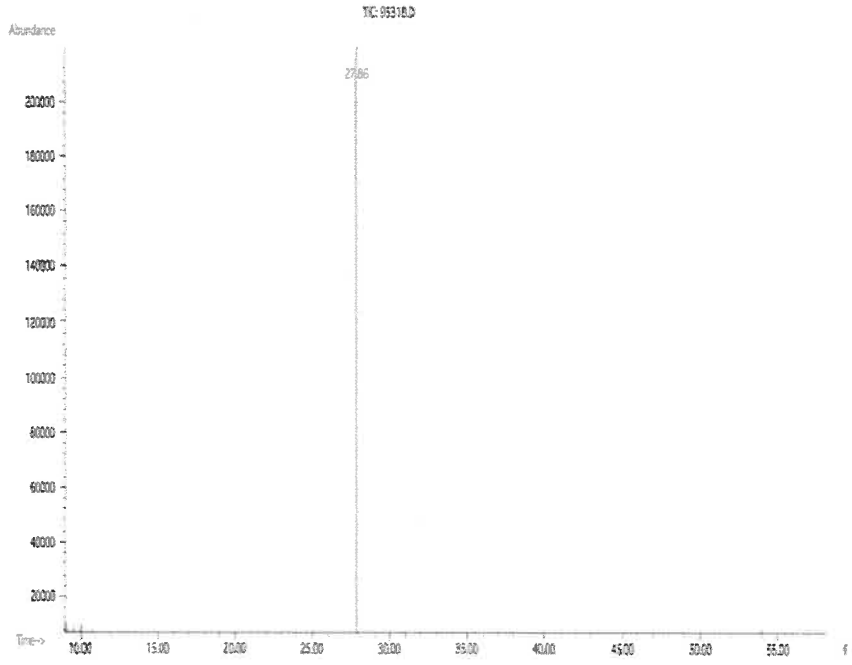
V14630 to V14649

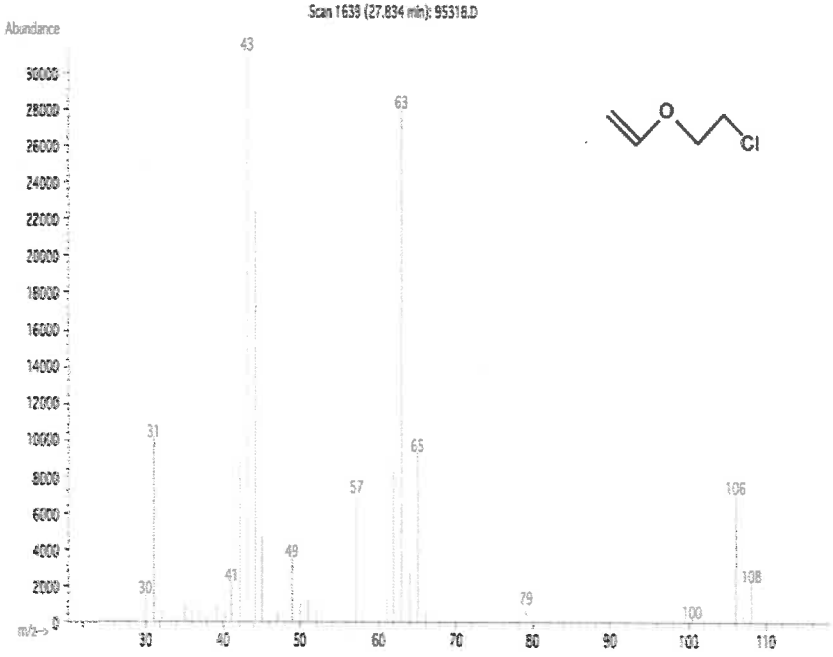
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (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	ori-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 certifed (+/-) 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).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

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 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 sheild**
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	CAS#: 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. 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 (H2O = 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)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

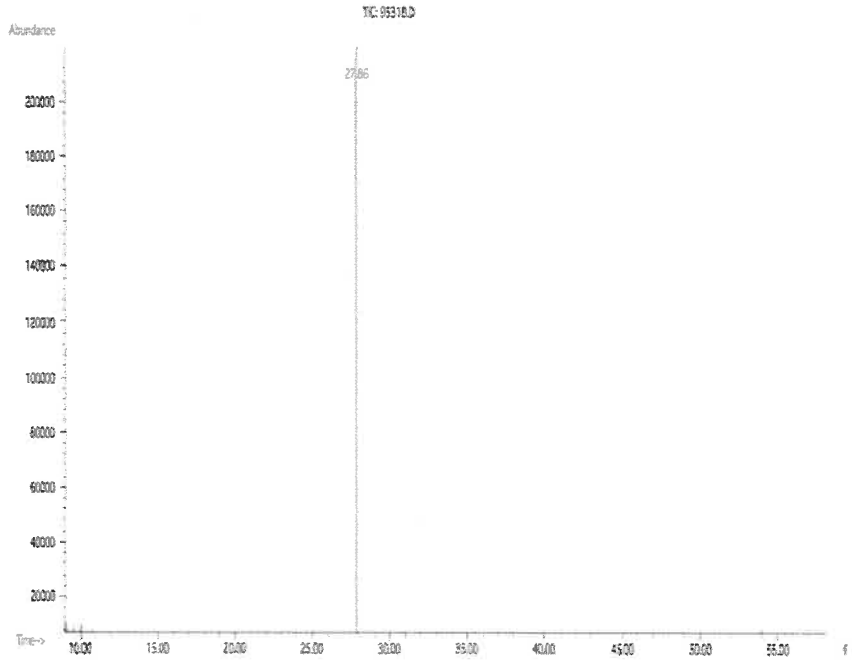
V14630 to V14649

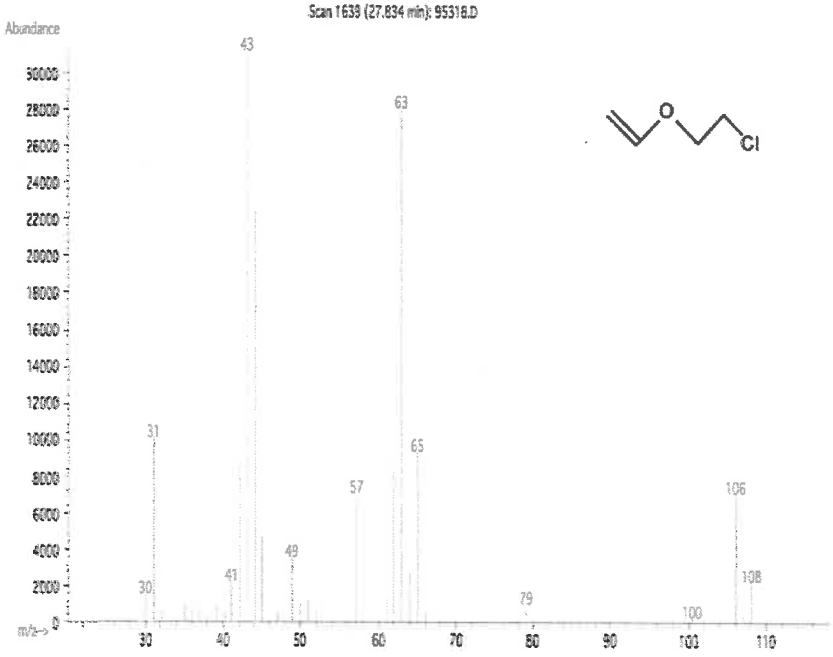
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (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	ori-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 certifed (+/-) 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).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

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 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 sheild**
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	CAS#: 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. 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 (H2O = 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)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

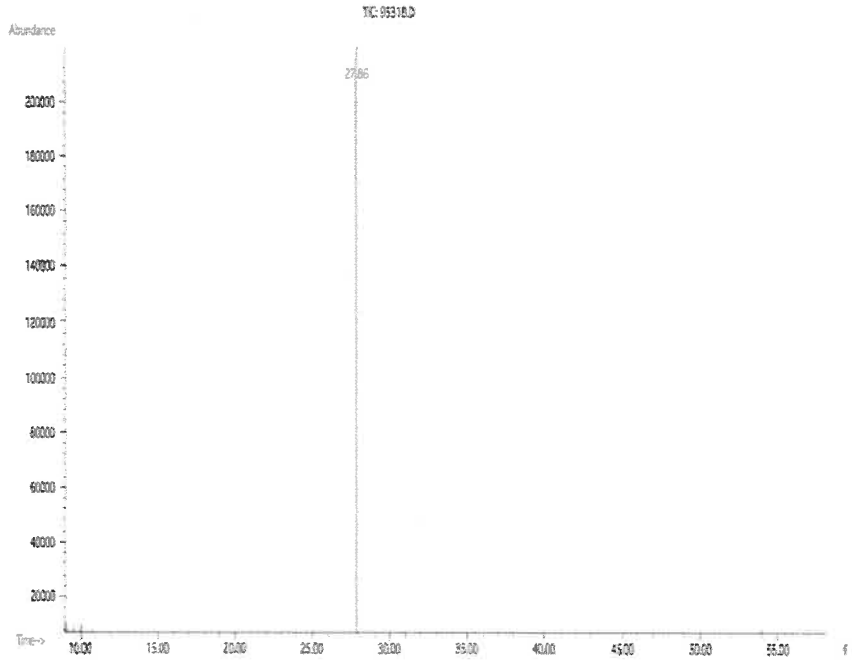
V14630 to V14649

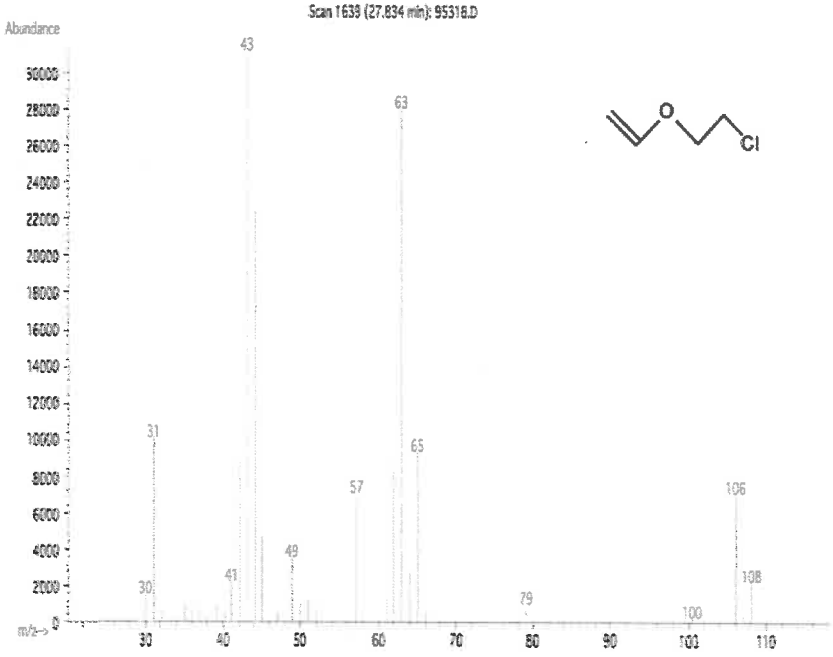
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (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	ori-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 certifed (+/-) 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).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

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 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 sheild**
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	CAS#: 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. 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 (H2O = 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)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

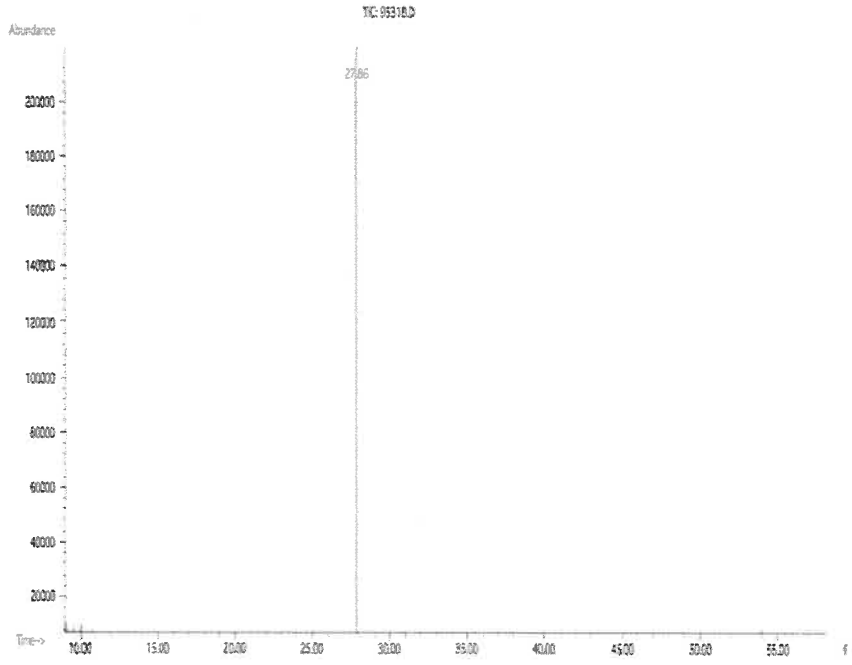
V14630 to V14649

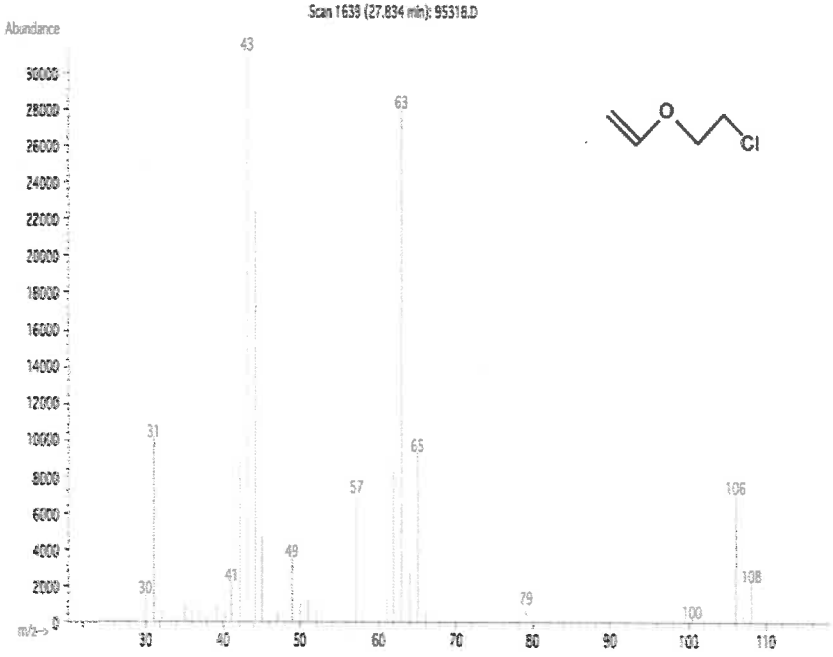
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (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	ori-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 certifed (+/-) 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).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

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 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 sheild**
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	CAS#: 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. 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 (H2O = 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)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
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.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.:** A0181905

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 : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)	50,126.0 µg/mL	+/- 293.4988 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/- 1,073.7654 µg/mL	Unstressed
	Purity 99%		+/- 1,104.9494 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

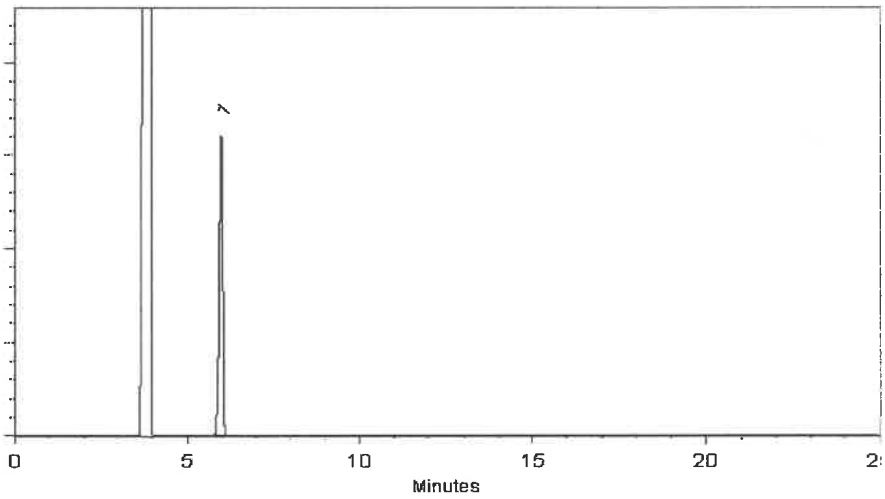
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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



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.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.

RESTEK
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

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.)

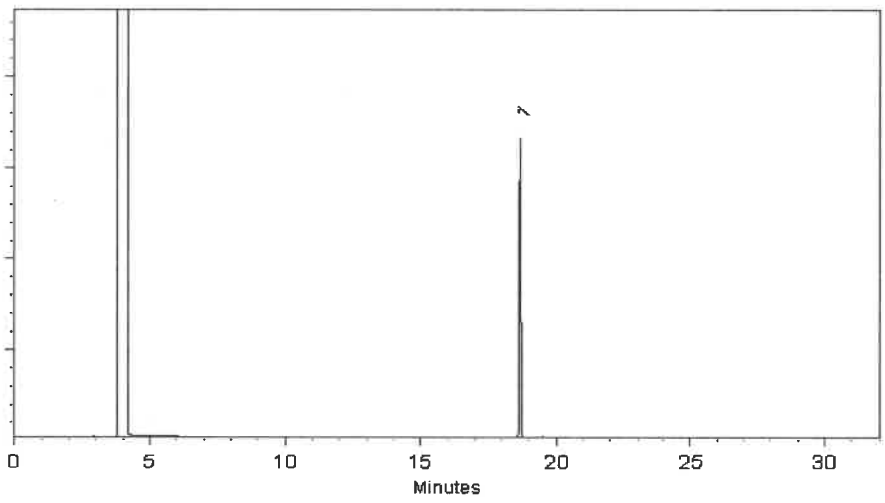
Inj. Temp:
200°C

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

RESTEK
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

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 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	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* 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.)

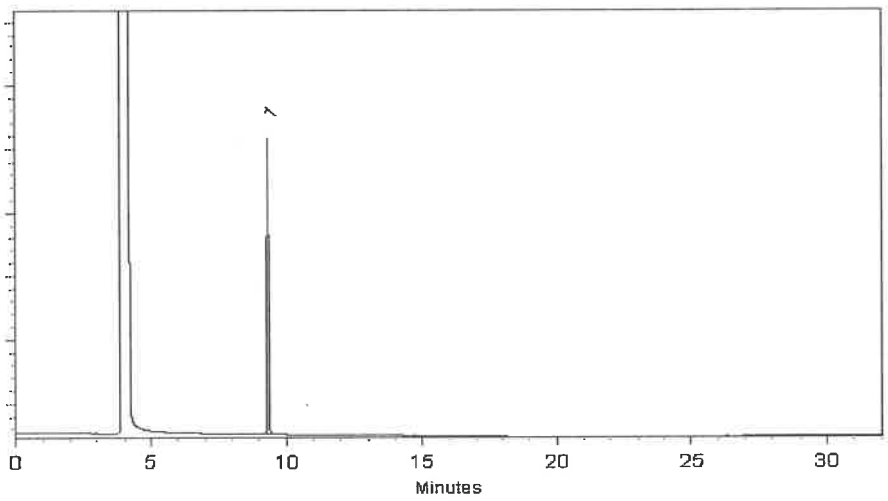
Inj. Temp:
200°C

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.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

RESTEK
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

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.:** A0196865

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 : April 30, 2026 **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-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

RESTEK
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

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.:** A0196865

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 : April 30, 2026 **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-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

RESTEK
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

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.:** A0209618

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 : September 30, 2025 **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	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* 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.)

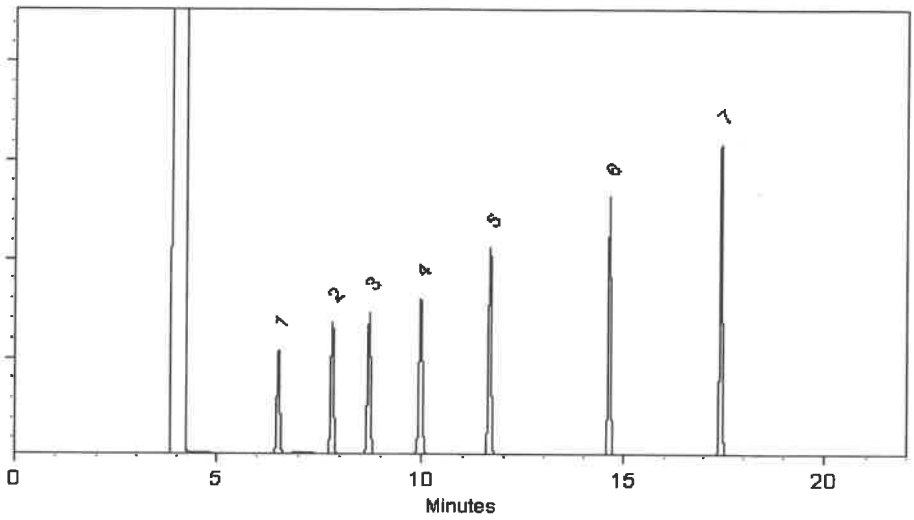
Inj. Temp:
200°C

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.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

RESTEK
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

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.:** A0209618

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 : September 30, 2025 **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	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* 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.)

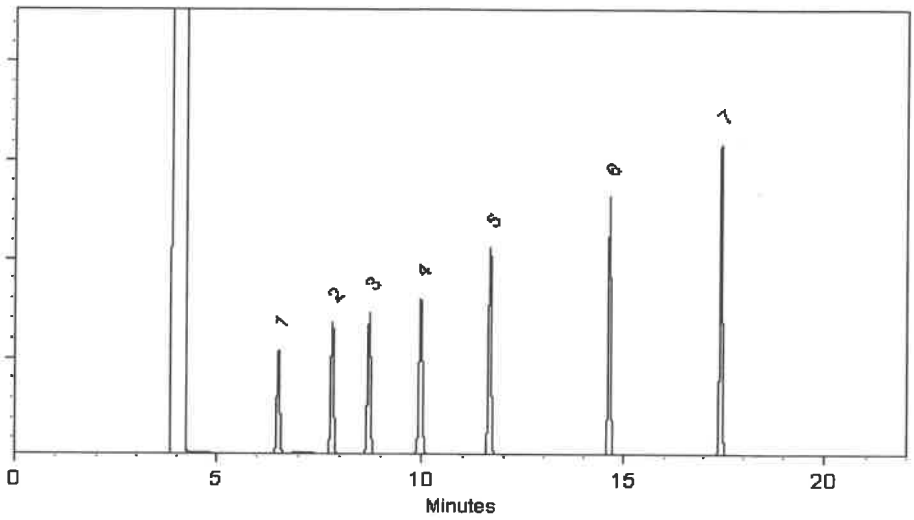
Inj. Temp:
200°C

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.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

RESTEK
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

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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:** 1127510105

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.)

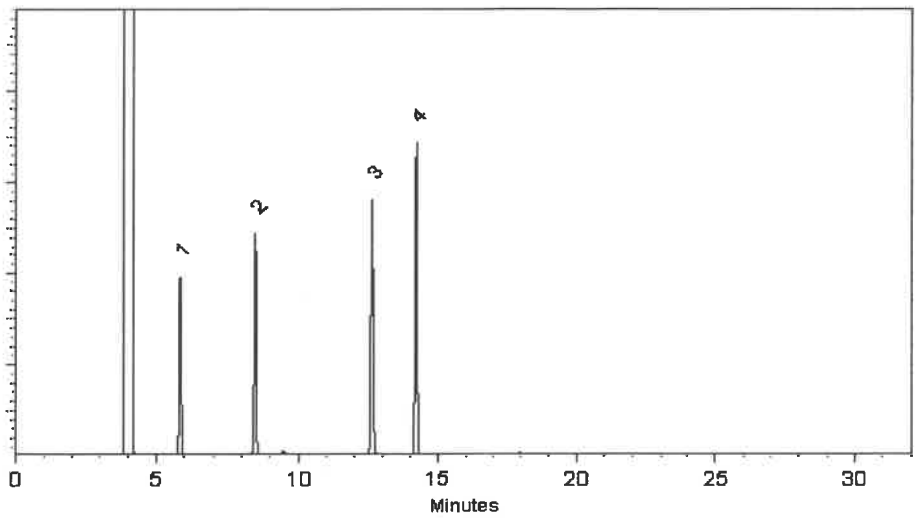
Inj. Temp:
200°C

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.)

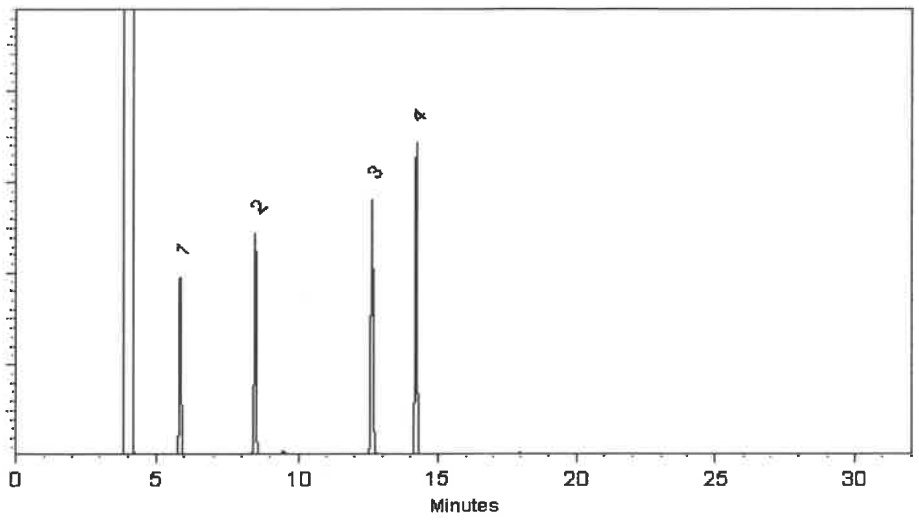
Inj. Temp:
200°C

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.)

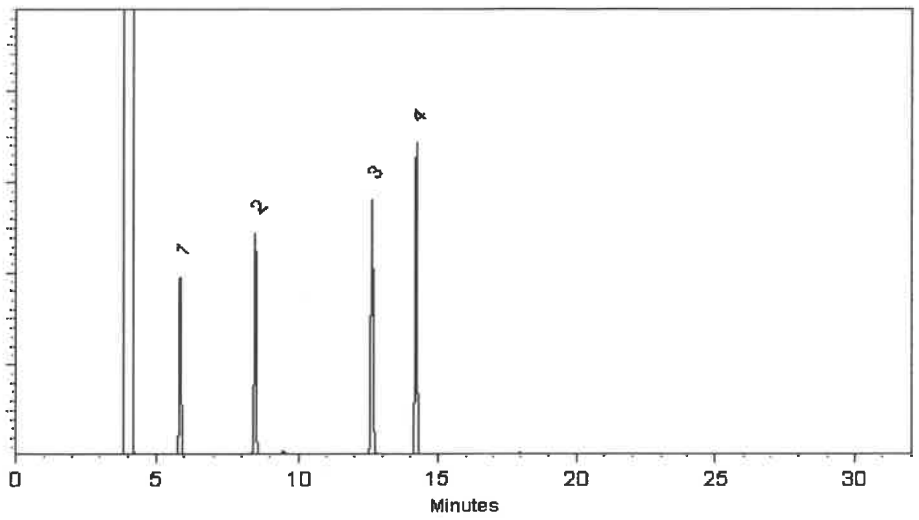
Inj. Temp:
200°C

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.

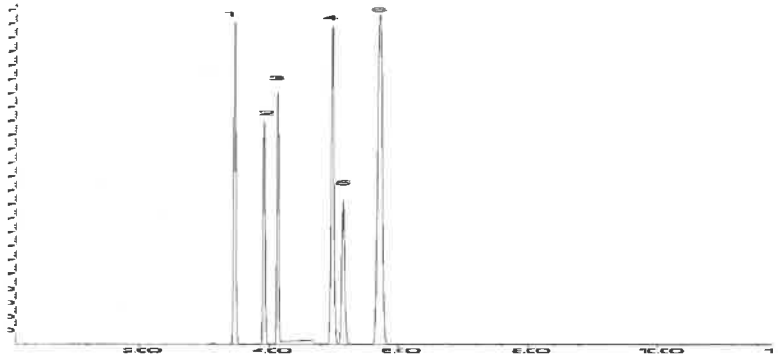
Inj. Temp:
200°C

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 Suckar - 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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.

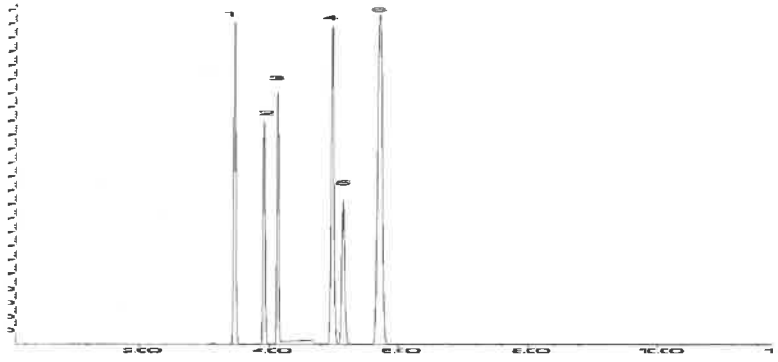
Inj. Temp:
200°C

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 Suckar - 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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.

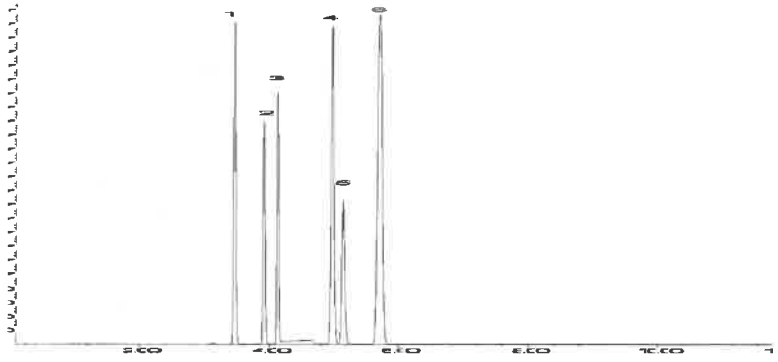
Inj. Temp:
200°C

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 Suckar - 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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

RESTEK

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

J14842 to 14846

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.)

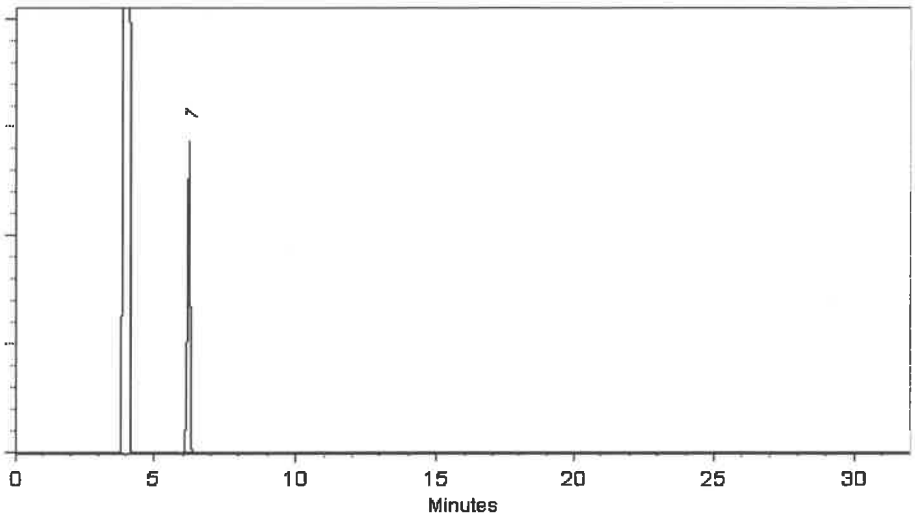
Inj. Temp:
200°C

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.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

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/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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

Zoviny Rec 01/08/21

RESTEK
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

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.)

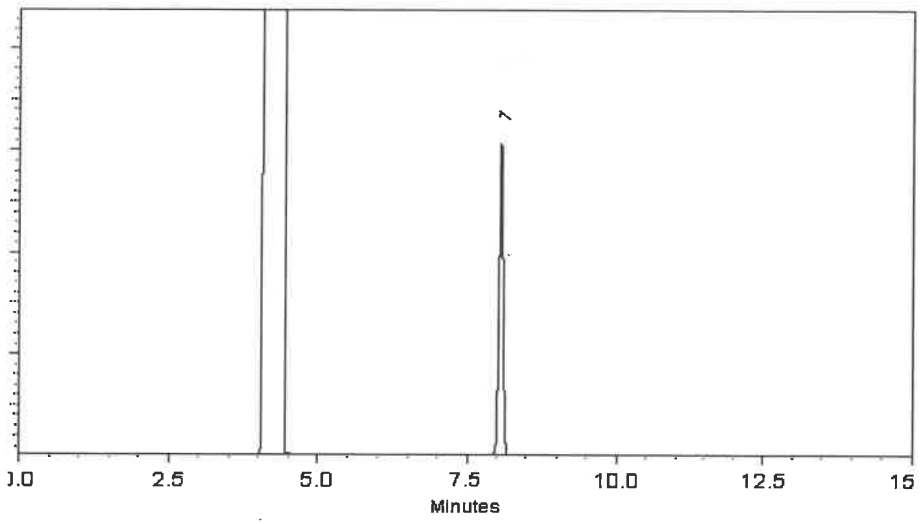
Inj. Temp:
200°C

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

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

Zoviny Rec 01/08/21

RESTEK
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

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.)

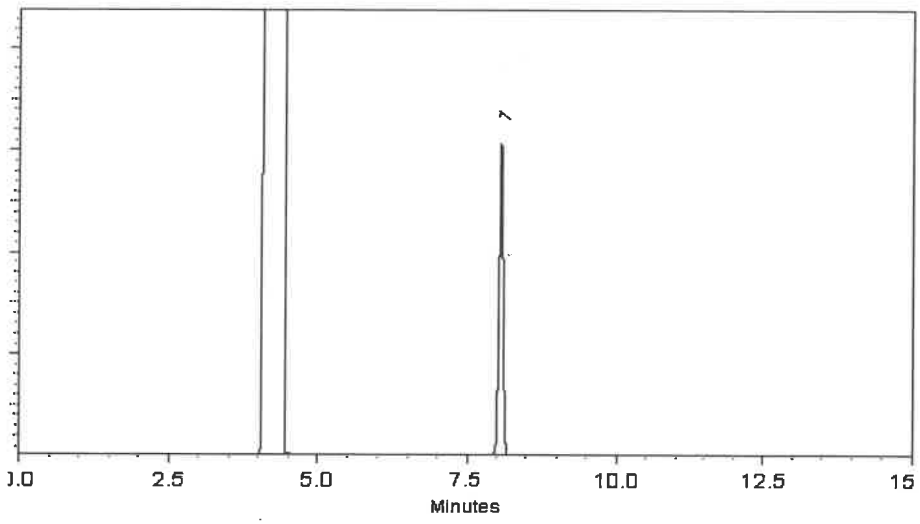
Inj. Temp:
200°C

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

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

10 vial Rec 01/08/25

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14793 to 14802

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-FL **Lot No.:** A0220563

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%	8,060.0 µg/mL	+/- 278.5905

* 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.)

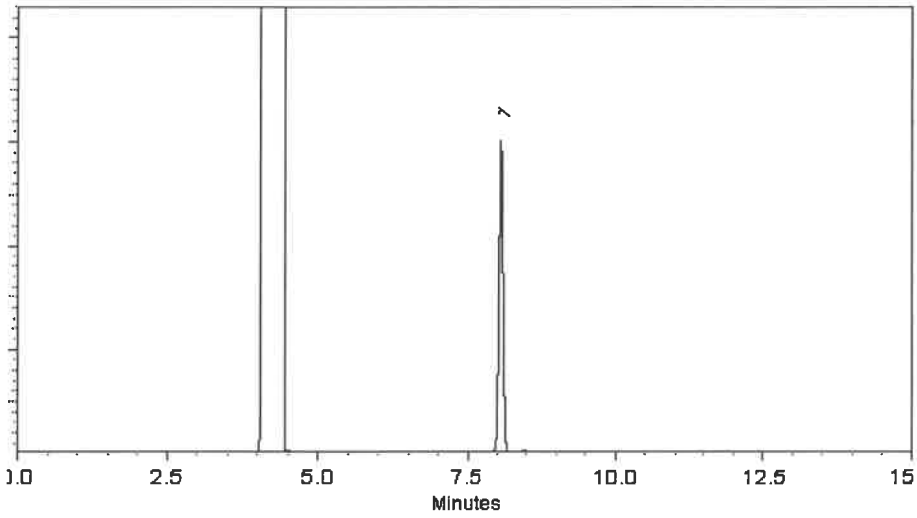
Inj. Temp:
200°C

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.

Tom Suckar - Mix Technician

Date Mixed: 30-Dec-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable 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

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable 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

James T Ethier

Jamie Ethier
Vice President Global Quality

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

Preservation Log

BalanceID: VOC-SC-2

Review By: pedro

Supervise By: mmdadoda

Seq	LabID	Vial A Weight(g)	Vial A Time	Vial B Weight(g)	Vial B Time	Vial C Weight(g) with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q1421-01	5.74	12:00	4.36	12:01	5.03	12:02	V14143	02/26/2025	ENCORE SAMPLE 8260 STORED IN FRZ #2
2	Q1421-02	5.39	12:03	4.27	12:04	3.92	12:05	V14143	02/26/2025	
3	Q1421-03	4.42	12:06	4.94	12:07	5.51	12:08	V14143	02/26/2025	
4	Q1421-07	5.43	12:18	5.03	12:19	4.10	12:20	V14143	02/26/2025	
5	Q1421-09	5.02	12:21	4.85	12:22	4.78	12:23	V14143	02/26/2025	

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177



SHIPPING DOCUMENTS

Q1421

USEPA

DateShipped: 2/24/2025

CarrierName:

AirbillNo:

CHAIN OF CUSTODY RECORD

Site #: 51835

Contact Name Josh Frizzell

(470) 277-4600

No: 2-022425-130044-0031

RFP# NA

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-Clay-CF01-01	HL_Pile	TAL VOCs	Soil	2/24/2025	09:40	9	5 gram Encore	4 C	Y
	P001-Clay-CF01-01	HL_Pile	Percent Moisture	Soil	2/24/2025	09:40	1	4 oz glass w/ septum	4 C	Y
	P001-Clay-CF01-01	HL_Pile	TAL SVOC+Pest+PCB	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	TAL Metals+Hg+CN	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	EPH	Soil	2/24/2025	09:40	2	4 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	SPLP VOCs	Soil	2/24/2025	09:40	8	40 mL Amber Vial W/ Septum	4 C	Y
	P001-Clay-CF01-01	HL_Pile	SPLP SVOCs + Pesticides+PCBs	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	SPLP Metals + Hg&CN	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	SPLP EPH	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All SAMPLES All ANALYSES	WESTON SOLUTIONS	2/24/25 1900		2-24-25 1425	4.9°C IR Gun #1
					Temp Blk present
					custody seals intact

Q1421

USEPA

DateShipped: 2/24/2025

CarrierName:

AirbillNo:

CHAIN OF CUSTODY RECORD

Site #: 51835

Contact Name Josh Frizzell

(470) 277-4600

No: 2-022425-130044-0031

RFP# NA

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-Clay-CF01-02	HL_Pile	TAL VOCs	Soil	2/24/2025	09:50	3	5 gram Encore	4 C	N
	P001-Clay-CF01-02	HL_Pile	Percent Moisture	Soil	2/24/2025	09:50	1	4 oz glass w/ septum	4 C	N
	P001-Clay-CF01-02	HL_Pile	TAL SVOC+Pest+PCB	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	TAL Metals+Hg+CN	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	EPH	Soil	2/24/2025	09:50	1	4 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	SPLP VOCs	Soil	2/24/2025	09:50	4	40 mL Amber Vial W/ Septum	4 C	N
	P001-Clay-CF01-02	HL_Pile	SPLP SVOCs + Pesticides+PCBs	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	SPLP Metals + Hg&CN	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	SPLP EPH	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON SOLUTIONS	2/24/25 1500		2-24-25 1425	4.9°C Jill Ayers #1 Temp blk. present custody seals intact

Q1421

USEPA

DateShipped: 2/24/2025

CarrierName:

AirbillNo:

CHAIN OF CUSTODY RECORD

Site #: 51835

Contact Name Josh Frizzell

(470) 277-4600

No: 2-022425-130044-0031

RFP# NA

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-Clay-CF02-01	HL_Pile	TAL VOCs	Soil	2/24/2025	10:00	3	5 gram Encore	4 C	N
	P001-Clay-CF02-01	HL_Pile	Percent Moisture	Soil	2/24/2025	10:00	1	4 oz glass w/ septum	4 C	N
	P001-Clay-CF02-01	HL_Pile	TAL SVOC+Pest+PCB	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	TAL Metals+Hg+CN	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	EPH	Soil	2/24/2025	10:00	1	4 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	SPLP VOCs	Soil	2/24/2025	10:00	4	40 mL Amber Vial W/ Septum	4 C	N
	P001-Clay-CF02-01	HL_Pile	SPLP SVOCs + Pesticides+PCBs	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	SPLP Metals + Hg&CN	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	SPLP EPH	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON SAMPLERS	2/24/25 1500		2-24-25 1425	4.9°C IR Gun #1 Temp blk. present custody seals intact

From: Sumbaly, Smita <S.Sumbaly@WestonSolutions.com>
Sent: Tuesday, February 25, 2025 9:30 AM
To: Jordan@chemtech.net
Cc: yazmeen.gomez@alliancetg.com
Subject: RE: Site # 51835
Attachments: RFP#905-corrected COC.pdf

Jordan – Attached please find corrected COC with RFP# 905 and use the SW 846 Methods. Contact me with any questions.

Thanks,
Smita

From: Jordan Hedvat <Jordan@chemtech.net>
Sent: Monday, February 24, 2025 5:32 PM
To: Sumbaly, Smita <S.Sumbaly@WestonSolutions.com>
Cc: yazmeen.gomez@alliancetg.com
Subject: RE: Site # 51835

***** External Message *** -- PROBE message before clicking links or opening attachments.**

Thanks, the COC did not mention specific Methods so we are running by standard SW-846. If CLP Methods required for these samples received today please let us know. COC is attached (# Q1421)

Regards,
Jordan

Jordan Hedvat
Account Executive, Environmental Laboratories
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Sumbaly, Smita [mailto:S.Sumbaly@WestonSolutions.com]
Sent: Monday, February 24, 2025 5:28 PM
To: Jordan@chemtech.net
Subject: Re: Site # 51835

Rfp#905

Sent from my iPhone

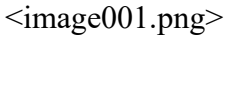
On Feb 24, 2025, at 4:36 PM, Jordan Hedvat <Jordan@chemtech.net> wrote:

*** External Message *** -- PROBE message before clicking links or opening attachments.

Good afternoon Smita,

We received project with COC titled “Site # 51835.” Please confirm for which RFP # project this falls under so we may include the correct pricing provided at the time of bid? Thank you

Regards,
Jordan



Jordan Hedvat
Account Executive, Environmental Laboratories
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

CAUTION: This email originated outside of the organization. **DO NOT CLICK** links or open attachments unless you recognize the sender and know the content is safe.

CONFIDENTIALITY: This email and attachments may contain information which is confidential and proprietary. Disclosure or use of any such confidential or proprietary information without the written permission of Weston Solutions, Inc. is strictly prohibited. If you received this email in error, please notify the sender by return e-mail and delete this email from your system. Thank you.

CAUTION: This email originated outside of the organization. **DO NOT CLICK** links or open attachments unless you recognize the sender and know the content is safe.

CONFIDENTIALITY: This email and attachments may contain information which is confidential and proprietary. Disclosure or use of any such confidential or proprietary information without the written permission of Weston Solutions, Inc. is strictly prohibited. If you received this email in error, please notify the sender by return e-mail and delete this email from your system. Thank you.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1421 ROYF02
Client Name : Weston Solutions, Inc.
Client Contact : Smita Sumbaly
Invoice Name : Weston Solutions, Inc.
Invoice Contact : Smita Sumbaly

Order Date : 2/24/2025 2:56:42 PM
Project Name : ~~51835~~ RFP 905
Receive DateTime : 2/24/2025 2:25:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1421-01	P001-CLAY-CF01-01	Solid	02/24/2025	09:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1421-02	Q1421-01MS	Solid	02/24/2025	09:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1421-03	Q1421-01MSD	Solid	02/24/2025	09:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1421-07	P001-CLAY-CF01-02	Solid	02/24/2025	09:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1421-09	P001-CLAY-CF02-01	Solid	02/24/2025	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : _____
Date / Time : 2-24-25 15:40

Received By : _____
Date / Time : 2-24-25 15:40

Storage Area : **VOA Refridgerator Room**