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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : NYCDDC SANTWOBR BROOKLYN BRIDGE BBMCR

RU2 ENGINEERING, LLC

2 Melinda Drive

Monroe Township, NJ - 08831

Phone No: 732-261-2236

ORDER ID : Q1241

ATTENTION : Rutu Manani

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1241

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1241-01	JPP-3.5-013025
Q1241-02	JPP-3.5-013025
Q1241-03	JPP-3.5-013025
Q1241-04	JPP-3.5-013025
Q1241-05	JPP-5.3-013025
Q1241-06	JPP-5.3-013025
Q1241-07	JPP-5.3-013025
Q1241-08	JPP-5.3-013025
Q1241-09	JPP-5.2-013025
Q1241-10	JPP-5.2-013025
Q1241-11	JPP-5.2-013025
Q1241-12	JPP-5.2-013025
Q1241-13	JPP-5.4-013025
Q1241-14	JPP-5.4-013025
Q1241-15	JPP-5.4-013025
Q1241-16	JPP-5.4-013025
Q1241-17	JPP-51.4-013025
Q1241-18	JPP-51.4-013025
Q1241-19	JPP-51.4-013025
Q1241-20	JPP-51.4-013025

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: 2/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

RU2 Engineering, LLC
Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Project # N/A
Chemtech Project # Q1241
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
20 Solid samples were received on 01/30/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOCMS Group1. This data package contains results for VOCMS Group1.

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 VOCMS Group1 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.
The Retention Times were acceptable for all samples.

The RPD for {VY0204SBSD01} with File ID: VY021049.D met criteria except for 1,2-Dibromo-3-Chloropropane[25%], Acetone[23%],due to difference in results of BS and BSD.

The Blank Spike met requirements for all samples .
The Blank Spike Duplicate 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 VY021074.D met the requirements except for Tert butyl alcohol is failing high but no positive hit in associate sample therefore no corrective action taken.

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The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples.
The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.
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.

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

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_____

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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: Q1241 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 VY021074.D met the requirements except for Tert butyl alcohol is failing high but no positive hit in associate sample 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 Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples . The RPD for {VY0204SBSD01} with File ID: VY021049.D met criteria except for 1,2-Dibromo-3-Chloropropane[25%], Acetone[23%],due to difference in results of BS and BSD.		✓	
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

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,
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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1241

	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:** 02/10/2025

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LAB CHRONICLE

OrderID:	Q1241	**OrderDate:**	1/30/2025 2:58:00 PM
Client:	RU2 Engineering, LLC	**Project:**	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	**Location:**	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1241-01	**JPP-3.5-013025**	**SOIL**			**01/30/25**			**01/30/25**
			VOCMS Group1	8260D			02/04/25	
Q1241-02	**JPP-3.5-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP VOA	8260D			02/04/25	
Q1241-05	**JPP-5.3-013025**	**SOIL**			**01/30/25**			**01/30/25**
			VOCMS Group1	8260D			02/05/25	
Q1241-06	**JPP-5.3-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP VOA	8260D			02/03/25	
Q1241-09	**JPP-5.2-013025**	**SOIL**			**01/30/25**			**01/30/25**
			VOCMS Group1	8260D			02/04/25	
Q1241-10	**JPP-5.2-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP VOA	8260D			02/03/25	
Q1241-13	**JPP-5.4-013025**	**SOIL**			**01/30/25**			**01/30/25**
			VOCMS Group1	8260D			02/04/25	
Q1241-14	**JPP-5.4-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP VOA	8260D			02/03/25	
Q1241-17	**JPP-51.4-013025**	**SOIL**			**01/30/25**			**01/30/25**
			VOCMS Group1	8260D			02/04/25	
Q1241-18	**JPP-51.4-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP VOA	8260D			02/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration		C	MDL	RDL	Units
Client ID:	**JPP-3.5-013025**									
Q1241-01	JPP-3.5-013025	SOIL	Naphthalene	*	1.90		J	1.20	4.10	ug/Kg
			Total Tics :			1.90				
			Total Concentration:			1.90				
Client ID:	**JPP-5.2-013025**									
Q1241-09	JPP-5.2-013025	SOIL	Acetone		31.4			3.40	13.5	ug/Kg
Q1241-09	JPP-5.2-013025	SOIL	Carbon Disulfide		1.20		J	0.69	2.70	ug/Kg
Q1241-09	JPP-5.2-013025	SOIL	Isopropylbenzene		0.85		J	0.36	2.70	ug/Kg
			Total Voc :			33.5				
Q1241-09	JPP-5.2-013025	SOIL	.beta.-Pinene	*	3.00		J	0	0	ug/Kg
Q1241-09	JPP-5.2-013025	SOIL	p-Isopropyltoluene	*	3.20		J	0.31	2.70	ug/Kg
Q1241-09	JPP-5.2-013025	SOIL	Naphthalene	*	2.00		J	0.80	2.70	ug/Kg
			Total Tics :			8.20				
			Total Concentration:			41.6				
Client ID:	**JPP-5.4-013025**									
Q1241-13	JPP-5.4-013025	SOIL	Acetone		7.70		J	3.60	14.3	ug/Kg
Q1241-13	JPP-5.4-013025	SOIL	Toluene		4.80			0.38	2.90	ug/Kg
Q1241-13	JPP-5.4-013025	SOIL	m/p-Xylenes		0.88		J	0.77	5.70	ug/Kg
			Total Voc :			13.4				
Q1241-13	JPP-5.4-013025	SOIL	Propene	*	4.10		J	0	0	ug/Kg
			Total Tics :			4.10				
			Total Concentration:			17.5				
Client ID:	**JPP-51.4-013025**									
Q1241-17	JPP-51.4-013025	SOIL	.alpha.-Pinene	*	5.90		J	0	0	ug/Kg
			Total Tics :			5.90				
			Total Concentration:			5.90				

QC SUMMARY

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Surrogate Summary

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1241-01	JPP-3.5-013025	1,2-Dichloroethane-d4	50	61.7	123	50	163
		Dibromofluoromethane	50	52.8	106	54	147
		Toluene-d8	50	49.9	100	58	134
		4-Bromofluorobenzene	50	42.5	85	29	146
Q1241-05	JPP-5.3-013025	1,2-Dichloroethane-d4	50	57.3	115	50	163
		Dibromofluoromethane	50	51.8	104	54	147
		Toluene-d8	50	48.9	98	58	134
		4-Bromofluorobenzene	50	39.2	78	29	146
Q1241-09	JPP-5.2-013025	1,2-Dichloroethane-d4	50	69.5	139	50	163
		Dibromofluoromethane	50	32.0	64	54	147
		Toluene-d8	50	50.9	102	58	134
		4-Bromofluorobenzene	50	55.0	110	29	146
Q1241-13	JPP-5.4-013025	1,2-Dichloroethane-d4	50	65.1	130	50	163
		Dibromofluoromethane	50	53.3	107	54	147
		Toluene-d8	50	50.9	102	58	134
		4-Bromofluorobenzene	50	51.5	103	29	146
Q1241-17	JPP-51.4-013025	1,2-Dichloroethane-d4	50	67.3	135	50	163
		Dibromofluoromethane	50	53.7	107	54	147
		Toluene-d8	50	51.2	102	58	134
		4-Bromofluorobenzene	50	53.7	107	29	146
VY0204SBL01	VY0204SBL01	1,2-Dichloroethane-d4	50	57.4	115	50	163
		Dibromofluoromethane	50	51.6	103	54	147
		Toluene-d8	50	49.8	100	58	134
		4-Bromofluorobenzene	50	47.5	95	29	146
VY0204SBS01	VY0204SBS01	1,2-Dichloroethane-d4	50	44.3	89	50	163
		Dibromofluoromethane	50	44.6	89	54	147
		Toluene-d8	50	45.4	91	58	134
		4-Bromofluorobenzene	50	45.0	90	29	146
VY0204SBSD01	VY0204SBSD01	1,2-Dichloroethane-d4	50	55.2	110	50	163
		Dibromofluoromethane	50	53.3	107	54	147
		Toluene-d8	50	54.0	108	58	134
		4-Bromofluorobenzene	50	56.3	113	29	146
VY0205SBL01	VY0205SBL01	1,2-Dichloroethane-d4	50	56.8	114	50	163
		Dibromofluoromethane	50	50.9	102	54	147
		Toluene-d8	50	49.8	100	58	134
		4-Bromofluorobenzene	50	44.8	90	29	146
VY0205SBS01	VY0205SBS01	1,2-Dichloroethane-d4	50	46.6	93	50	163
		Dibromofluoromethane	50	46.0	92	54	147
		Toluene-d8	50	46.6	93	58	134
		4-Bromofluorobenzene	50	46.7	93	29	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: SW8260D **Datafile :** VY021048.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0204SBS01	Dichlorodifluoromethane	20	18.7	ug/Kg	94			64	136	
	Chloromethane	20	18.1	ug/Kg	91			70	130	
	Vinyl chloride	20	17.9	ug/Kg	90			72	129	
	Bromomethane	20	17.8	ug/Kg	89			58	141	
	Chloroethane	20	17.7	ug/Kg	89			69	130	
	Trichlorofluoromethane	20	18.1	ug/Kg	91			69	134	
	1,1,2-Trichlorotrifluoroethane	20	18.9	ug/Kg	95			81	123	
	Tert butyl alcohol	100	97.5	ug/Kg	98			24	175	
	1,1-Dichloroethene	20	18.1	ug/Kg	91			79	121	
	Acetone	100	95.3	ug/Kg	95			60	131	
	Carbon disulfide	20	17.7	ug/Kg	89			45	154	
	Methyl tert-butyl Ether	20	17.8	ug/Kg	89			77	129	
	Methyl Acetate	20	18.0	ug/Kg	90			69	149	
	Methylene Chloride	20	18.3	ug/Kg	92			56	174	
	trans-1,2-Dichloroethene	20	17.9	ug/Kg	90			80	123	
	1,1-Dichloroethane	20	18.6	ug/Kg	93			82	123	
	Cyclohexane	20	18.5	ug/Kg	93			76	122	
	2-Butanone	100	92.2	ug/Kg	92			69	131	
	Carbon Tetrachloride	20	18.8	ug/Kg	94			76	129	
	cis-1,2-Dichloroethene	20	18.3	ug/Kg	92			82	123	
	Bromochloromethane	20	19.9	ug/Kg	100			80	127	
	Chloroform	20	18.5	ug/Kg	93			82	125	
	1,1,1-Trichloroethane	20	18.9	ug/Kg	95			80	126	
	Methylcyclohexane	20	18.4	ug/Kg	92			77	123	
	Benzene	20	18.5	ug/Kg	93			84	121	
	1,2-Dichloroethane	20	18.1	ug/Kg	91			81	126	
	Trichloroethene	20	18.6	ug/Kg	93			83	122	
	1,2-Dichloropropane	20	19.1	ug/Kg	96			83	122	
	Bromodichloromethane	20	18.6	ug/Kg	93			82	123	
	4-Methyl-2-Pentanone	100	92.4	ug/Kg	92			70	135	
	Toluene	20	18.9	ug/Kg	95			83	122	
	t-1,3-Dichloropropene	20	18.2	ug/Kg	91			78	124	
	cis-1,3-Dichloropropene	20	18.6	ug/Kg	93			81	122	
	1,1,2-Trichloroethane	20	18.4	ug/Kg	92			82	125	
	2-Hexanone	100	90.8	ug/Kg	91			66	138	
	Dibromochloromethane	20	18.3	ug/Kg	92			79	125	
	1,2-Dibromoethane	20	17.8	ug/Kg	89			80	125	
	Tetrachloroethene	20	18.9	ug/Kg	95			83	125	
	Chlorobenzene	20	18.6	ug/Kg	93			84	122	
	Ethyl Benzene	20	18.7	ug/Kg	94			82	124	
	m/p-Xylenes	40	37.8	ug/Kg	95			83	124	
	o-Xylene	20	18.6	ug/Kg	93			83	123	
	Styrene	20	18.8	ug/Kg	94			82	124	
	Bromoform	20	18.6	ug/Kg	93			75	127	
	Isopropylbenzene	20	17.7	ug/Kg	89			82	124	
	1,1,2,2-Tetrachloroethane	20	17.4	ug/Kg	87			77	127	
	1,3-Dichlorobenzene	20	17.9	ug/Kg	90			83	122	
	1,4-Dichlorobenzene	20	18.3	ug/Kg	92			84	121	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: SW8260D **Datafile :** VY021048.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0204SBS01	1,2-Dichlorobenzene	20	18.2	ug/Kg	91			83	124	
	1,2-Dibromo-3-Chloropropane	20	16.3	ug/Kg	81			66	134	
	1,2,4-Trichlorobenzene	20	18.3	ug/Kg	92			78	127	
	1,2,3-Trichlorobenzene	20	17.8	ug/Kg	89			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: SW8260D **Datafile :** VY021049.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0204SBSD01	Dichlorodifluoromethane	20	19.3	ug/Kg	97	3		64	136	20
	Chloromethane	20	19.7	ug/Kg	99	8		70	130	20
	Vinyl chloride	20	18.1	ug/Kg	91	1		72	129	20
	Bromomethane	20	19.2	ug/Kg	96	8		58	141	20
	Chloroethane	20	17.6	ug/Kg	88	1		69	130	20
	Trichlorofluoromethane	20	18.4	ug/Kg	92	1		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.1	ug/Kg	96	1		81	123	20
	Tert butyl alcohol	100	120	ug/Kg	120	20		24	175	20
	1,1-Dichloroethene	20	18.9	ug/Kg	95	4		79	121	20
	Acetone	100	120	ug/Kg	120	23	*	60	131	20
	Carbon disulfide	20	18.3	ug/Kg	92	3		45	154	20
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102	14		77	129	20
	Methyl Acetate	20	21.7	ug/Kg	109	19		69	149	20
	Methylene Chloride	20	20.2	ug/Kg	101	9		56	174	20
	trans-1,2-Dichloroethene	20	19.5	ug/Kg	98	9		80	123	20
	1,1-Dichloroethane	20	20.1	ug/Kg	101	8		82	123	20
	Cyclohexane	20	18.6	ug/Kg	93	0		76	122	20
	2-Butanone	100	110	ug/Kg	110	18		69	131	20
	Carbon Tetrachloride	20	19.3	ug/Kg	97	3		76	129	20
	cis-1,2-Dichloroethene	20	20.0	ug/Kg	100	8		82	123	20
	Bromochloromethane	20	23.4	ug/Kg	117	16		80	127	20
	Chloroform	20	20.1	ug/Kg	101	8		82	125	20
	1,1,1-Trichloroethane	20	19.9	ug/Kg	100	5		80	126	20
	Methylcyclohexane	20	18.5	ug/Kg	93	1		77	123	20
	Benzene	20	20.0	ug/Kg	100	7		84	121	20
	1,2-Dichloroethane	20	20.4	ug/Kg	102	11		81	126	20
	Trichloroethene	20	19.4	ug/Kg	97	4		83	122	20
	1,2-Dichloropropane	20	20.1	ug/Kg	101	5		83	122	20
	Bromodichloromethane	20	20.6	ug/Kg	103	10		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	18		70	135	20
	Toluene	20	20.1	ug/Kg	101	6		83	122	20
	t-1,3-Dichloropropene	20	20.3	ug/Kg	102	11		78	124	20
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101	8		81	122	20
	1,1,2-Trichloroethane	20	20.5	ug/Kg	103	11		82	125	20
	2-Hexanone	100	110	ug/Kg	110	19		66	138	20
	Dibromochloromethane	20	20.7	ug/Kg	104	12		79	125	20
	1,2-Dibromoethane	20	20.1	ug/Kg	101	13		80	125	20
	Tetrachloroethene	20	19.6	ug/Kg	98	3		83	125	20
	Chlorobenzene	20	19.7	ug/Kg	99	6		84	122	20
	Ethyl Benzene	20	19.6	ug/Kg	98	4		82	124	20
	m/p-Xylenes	40	39.7	ug/Kg	99	4		83	124	20
	o-Xylene	20	20.1	ug/Kg	101	8		83	123	20
	Styrene	20	20.2	ug/Kg	101	7		82	124	20
	Bromoform	20	21.3	ug/Kg	106	13		75	127	20
	Isopropylbenzene	20	18.5	ug/Kg	93	4		82	124	20
	1,1,2,2-Tetrachloroethane	20	20.3	ug/Kg	102	16		77	127	20
	1,3-Dichlorobenzene	20	19.2	ug/Kg	96	6		83	122	20
	1,4-Dichlorobenzene	20	19.8	ug/Kg	99	7		84	121	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: SW8260D **Datafile :** VY021049.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0204SBSD01	1,2-Dichlorobenzene	20	19.9	ug/Kg	100	9		83	124	20
	1,2-Dibromo-3-Chloropropane	20	20.8	ug/Kg	104	25	*	66	134	20
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101	9		78	127	20
	1,2,3-Trichlorobenzene	20	20.9	ug/Kg	104	16		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: SW8260D **Datafile :** VY021076.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0205SBS01	Dichlorodifluoromethane	20	17.9	ug/Kg	90			64	136	
	Chloromethane	20	18.3	ug/Kg	92			70	130	
	Vinyl chloride	20	18.2	ug/Kg	91			72	129	
	Bromomethane	20	18.3	ug/Kg	92			58	141	
	Chloroethane	20	18.1	ug/Kg	91			69	130	
	Trichlorofluoromethane	20	18.1	ug/Kg	91			69	134	
	1,1,2-Trichlorotrifluoroethane	20	17.9	ug/Kg	90			81	123	
	Tert butyl alcohol	100	90.0	ug/Kg	90			24	175	
	1,1-Dichloroethene	20	17.9	ug/Kg	90			79	121	
	Acetone	100	97.1	ug/Kg	97			60	131	
	Carbon disulfide	20	17.0	ug/Kg	85			45	154	
	Methyl tert-butyl Ether	20	18.5	ug/Kg	93			77	129	
	Methyl Acetate	20	18.5	ug/Kg	93			69	149	
	Methylene Chloride	20	18.7	ug/Kg	94			56	174	
	trans-1,2-Dichloroethene	20	18.4	ug/Kg	92			80	123	
	1,1-Dichloroethane	20	19.1	ug/Kg	96			82	123	
	Cyclohexane	20	18.2	ug/Kg	91			76	122	
	2-Butanone	100	94.8	ug/Kg	95			69	131	
	Carbon Tetrachloride	20	18.9	ug/Kg	95			76	129	
	cis-1,2-Dichloroethene	20	18.8	ug/Kg	94			82	123	
	Bromochloromethane	20	20.9	ug/Kg	104			80	127	
	Chloroform	20	19.3	ug/Kg	97			82	125	
	1,1,1-Trichloroethane	20	19.0	ug/Kg	95			80	126	
	Methylcyclohexane	20	17.8	ug/Kg	89			77	123	
	Benzene	20	19.3	ug/Kg	97			84	121	
	1,2-Dichloroethane	20	19.4	ug/Kg	97			81	126	
	Trichloroethene	20	18.7	ug/Kg	94			83	122	
	1,2-Dichloropropane	20	19.4	ug/Kg	97			83	122	
	Bromodichloromethane	20	19.3	ug/Kg	97			82	123	
	4-Methyl-2-Pentanone	100	93.8	ug/Kg	94			70	135	
	Toluene	20	19.1	ug/Kg	96			83	122	
	t-1,3-Dichloropropene	20	18.8	ug/Kg	94			78	124	
	cis-1,3-Dichloropropene	20	19.0	ug/Kg	95			81	122	
	1,1,2-Trichloroethane	20	19.8	ug/Kg	99			82	125	
	2-Hexanone	100	94.4	ug/Kg	94			66	138	
	Dibromochloromethane	20	19.4	ug/Kg	97			79	125	
	1,2-Dibromoethane	20	18.9	ug/Kg	95			80	125	
	Tetrachloroethene	20	18.8	ug/Kg	94			83	125	
	Chlorobenzene	20	18.8	ug/Kg	94			84	122	
	Ethyl Benzene	20	18.7	ug/Kg	94			82	124	
	m/p-Xylenes	40	38.1	ug/Kg	95			83	124	
	o-Xylene	20	18.8	ug/Kg	94			83	123	
	Styrene	20	19.4	ug/Kg	97			82	124	
	Bromoform	20	18.7	ug/Kg	94			75	127	
	Isopropylbenzene	20	18.0	ug/Kg	90			82	124	
	1,1,2,2-Tetrachloroethane	20	18.1	ug/Kg	91			77	127	
	1,3-Dichlorobenzene	20	18.6	ug/Kg	93			83	122	
	1,4-Dichlorobenzene	20	18.6	ug/Kg	93			84	121	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: SW8260D **Datafile :** VY021076.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0205SBS01	1,2-Dichlorobenzene	20	18.7	ug/Kg	94			83	124	
	1,2-Dibromo-3-Chloropropane	20	17.4	ug/Kg	87			66	134	
	1,2,4-Trichlorobenzene	20	18.1	ug/Kg	91			78	127	
	1,2,3-Trichlorobenzene	20	17.6	ug/Kg	88			70	137	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0204SBL01

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: VY021047.D Lab Sample ID: VY0204SBL01

Date Analyzed: 02/04/2025 Time Analyzed: 10:15

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
VY0204SBS01	VY0204SBS01	VY021048.D	02/04/2025
VY0204SBSD01	VY0204SBSD01	VY021049.D	02/04/2025
JPP-3.5-013025	Q1241-01	VY021063.D	02/04/2025
JPP-5.2-013025	Q1241-09	VY021065.D	02/04/2025
JPP-5.4-013025	Q1241-13	VY021066.D	02/04/2025
JPP-51.4-013025	Q1241-17	VY021067.D	02/04/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0205SBL01

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: VY021075.D Lab Sample ID: VY0205SBL01

Date Analyzed: 02/05/2025 Time Analyzed: 09:51

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
VY0205SBS01	VY0205SBS01	VY021076.D	02/05/2025
JPP-5.3-013025	Q1241-05	VY021092.D	02/05/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: VY021019.D BFB Injection Date: 02/03/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:51

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	15.3
75	30.0 - 60.0% of mass 95	49
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	89.7
175	5.0 - 9.0% of mass 174	7 (7.8) 1
176	95.0 - 101.0% of mass 174	87 (97) 1
177	5.0 - 9.0% of mass 176	5.9 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021020.D	02/03/2025	10:35
VSTDICC010	VSTDICC010	VY021021.D	02/03/2025	10:57
VSTDICC020	VSTDICC020	VY021022.D	02/03/2025	11:20
VSTDICCC050	VSTDICCC050	VY021023.D	02/03/2025	11:43
VSTDICC100	VSTDICC100	VY021024.D	02/03/2025	12:21
VSTDICC150	VSTDICC150	VY021025.D	02/03/2025	12:44

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: VY021045.D BFB Injection Date: 02/04/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:16

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	21.3
75	30.0 - 60.0% of mass 95	55.5
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	1.3 (1.5) 1
174	50.0 - 100.0% of mass 95	88.1
175	5.0 - 9.0% of mass 174	7 (7.9) 1
176	95.0 - 101.0% of mass 174	84.8 (96.1) 1
177	5.0 - 9.0% of mass 176	5.3 (6.3) 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	VY021046.D	02/04/2025	09:47
VY0204SBL01	VY0204SBL01	VY021047.D	02/04/2025	10:15
VY0204SBS01	VY0204SBS01	VY021048.D	02/04/2025	10:52
VY0204SBSD01	VY0204SBSD01	VY021049.D	02/04/2025	11:15
JPP-3.5-013025	Q1241-01	VY021063.D	02/04/2025	17:00
JPP-5.2-013025	Q1241-09	VY021065.D	02/04/2025	17:47
JPP-5.4-013025	Q1241-13	VY021066.D	02/04/2025	18:10
JPP-51.4-013025	Q1241-17	VY021067.D	02/04/2025	18:33

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: VY021073.D BFB Injection Date: 02/05/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:16

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
75	30.0 - 60.0% of mass 95	56
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	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	85.2
175	5.0 - 9.0% of mass 174	6.6 (7.8) 1
176	95.0 - 101.0% of mass 174	83.2 (97.6) 1
177	5.0 - 9.0% of mass 176	5.5 (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
VSTDCCC050	VSTDCCC050	VY021074.D	02/05/2025	09:16
VY0205SBL01	VY0205SBL01	VY021075.D	02/05/2025	09:51
VY0205SBS01	VY0205SBS01	VY021076.D	02/05/2025	10:21
JPP-5.3-013025	Q1241-05	VY021092.D	02/05/2025	16:35

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: VY021046.D Date Analyzed: 02/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:47

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	154178	7.71	233780	8.62	206737	11.42
UPPER LIMIT	308356	8.213	467560	9.115	413474	11.92
LOWER LIMIT	77089	7.213	116890	8.115	103369	10.92
EPA SAMPLE NO.						
JPP-3.5-013025	148841	7.71	277787	8.62	241489	11.41
JPP-5.2-013025	146429	7.71	279661	8.62	270362	11.41
JPP-5.4-013025	156172	7.71	292974	8.62	277904	11.41
JPP-51.4-013025	155127	7.71	289464	8.62	277580	11.41
VY0204SBL01	173019	7.71	321305	8.62	292351	11.42
VY0204SBS01	159738	7.71	247448	8.62	212473	11.42
VY0204SBSD01	146628	7.71	228862	8.62	199914	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: VY021046.D Date Analyzed: 02/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:47

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

	IS4 AREA #	RT #				
12 HOUR STD	102470	13.352				
UPPER LIMIT	204940	13.852				
LOWER LIMIT	51235	12.852				
EPA SAMPLE NO.						
JPP-3.5-013025	81247	13.35				
JPP-5.2-013025	120739	13.35				
JPP-5.4-013025	111742	13.35				
JPP-51.4-013025	109757	13.35				
VY0204SBL01	114535	13.35				
VY0204SBS01	108974	13.35				
VY0204SBSD01	101483	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: VY021074.D Date Analyzed: 02/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:16

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	142538	7.73	216303	8.63	187147	11.43
UPPER LIMIT	285076	8.225	432606	9.128	374294	11.926
LOWER LIMIT	71269	7.225	108152	8.128	93573.5	10.926
EPA SAMPLE NO.						
JPP-5.3-013025	193458	7.71	355898	8.62	296013	11.42
VY0205SBL01	173976	7.72	323562	8.62	290166	11.43
VY0205SBS01	152907	7.72	236588	8.62	204354	11.43

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.

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: VY021074.D Date Analyzed: 02/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:16

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

	IS4 AREA #	RT #				
12 HOUR STD	88650	13.358				
UPPER LIMIT	177300	13.858				
LOWER LIMIT	44325	12.858				
EPA SAMPLE NO.						
JPP-5.3-013025	91291	13.35				
VY0205SBL01	107232	13.36				
VY0205SBS01	102238	13.36				

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

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-3.5-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.6
Sample Wt/Vol:	7.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021063.D	1		02/04/25 17:00	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.10	U	1.40	4.10	ug/Kg
74-87-3	Chloromethane	4.10	U	0.96	4.10	ug/Kg
75-01-4	Vinyl Chloride	4.10	U	0.64	4.10	ug/Kg
74-83-9	Bromomethane	4.10	U	0.85	4.10	ug/Kg
75-00-3	Chloroethane	4.10	U	0.83	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	4.10	U	0.75	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.10	U	0.88	4.10	ug/Kg
75-65-0	Tert butyl alcohol	20.6	U	12.9	20.6	ug/Kg
75-35-4	1,1-Dichloroethene	4.10	U	0.64	4.10	ug/Kg
67-64-1	Acetone	20.6	U	5.20	20.6	ug/Kg
75-15-0	Carbon Disulfide	4.10	U	1.10	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.10	U	0.55	4.10	ug/Kg
79-20-9	Methyl Acetate	4.10	U	1.50	4.10	ug/Kg
75-09-2	Methylene Chloride	8.30	U	2.80	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.10	U	0.69	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	4.10	U	0.52	4.10	ug/Kg
110-82-7	Cyclohexane	4.10	U	0.57	4.10	ug/Kg
78-93-3	2-Butanone	20.6	U	4.70	20.6	ug/Kg
56-23-5	Carbon Tetrachloride	4.10	U	0.72	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.10	U	0.50	4.10	ug/Kg
74-97-5	Bromochloromethane	4.10	U	2.00	4.10	ug/Kg
67-66-3	Chloroform	4.10	U	0.55	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.10	U	0.64	4.10	ug/Kg
108-87-2	Methylcyclohexane	4.10	U	0.72	4.10	ug/Kg
71-43-2	Benzene	4.10	U	0.59	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	4.10	U	0.50	4.10	ug/Kg
79-01-6	Trichloroethene	4.10	U	0.62	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	4.10	U	0.54	4.10	ug/Kg
75-27-4	Bromodichloromethane	4.10	U	0.46	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	20.6	U	3.60	20.6	ug/Kg

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-3.5-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.6
Sample Wt/Vol:	7.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021063.D	1		02/04/25 17:00	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	4.10	U	0.55	4.10	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.10	U	0.50	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.10	U	0.47	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.10	U	0.69	4.10	ug/Kg
591-78-6	2-Hexanone	20.6	U	4.00	20.6	ug/Kg
124-48-1	Dibromochloromethane	4.10	U	0.54	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	4.10	U	0.65	4.10	ug/Kg
127-18-4	Tetrachloroethene	4.10	U	0.73	4.10	ug/Kg
108-90-7	Chlorobenzene	4.10	U	0.61	4.10	ug/Kg
100-41-4	Ethyl Benzene	4.10	U	0.51	4.10	ug/Kg
179601-23-1	m/p-Xylenes	8.30	U	1.10	8.30	ug/Kg
95-47-6	o-Xylene	4.10	U	0.58	4.10	ug/Kg
100-42-5	Styrene	4.10	U	0.50	4.10	ug/Kg
75-25-2	Bromoform	4.10	U	0.67	4.10	ug/Kg
98-82-8	Isopropylbenzene	4.10	U	0.55	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.10	U	0.91	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.10	U	0.61	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.10	U	0.66	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.10	U	0.49	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.10	U	1.30	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.10	U	0.65	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.10	U	0.64	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.7		50 - 163	123%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		54 - 147	106%	SPK: 50
2037-26-5	Toluene-d8	49.9		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.5		29 - 146	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	149000	7.707			
540-36-3	1,4-Difluorobenzene	278000	8.616			
3114-55-4	Chlorobenzene-d5	241000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	81200	13.346			

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-3.5-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.6
Sample Wt/Vol:	7.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021063.D	1		02/04/25 17:00	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TENTATIVE IDENTIFIED COMPOUNDS						
91-20-3	Naphthalene	1.90	J		15.1	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021063.D
Acq On : 04 Feb 2025 17:00
Operator : SY/MD
Sample : Q1241-01
Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-3.5-013025

Quant Time: Feb 05 00:48:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

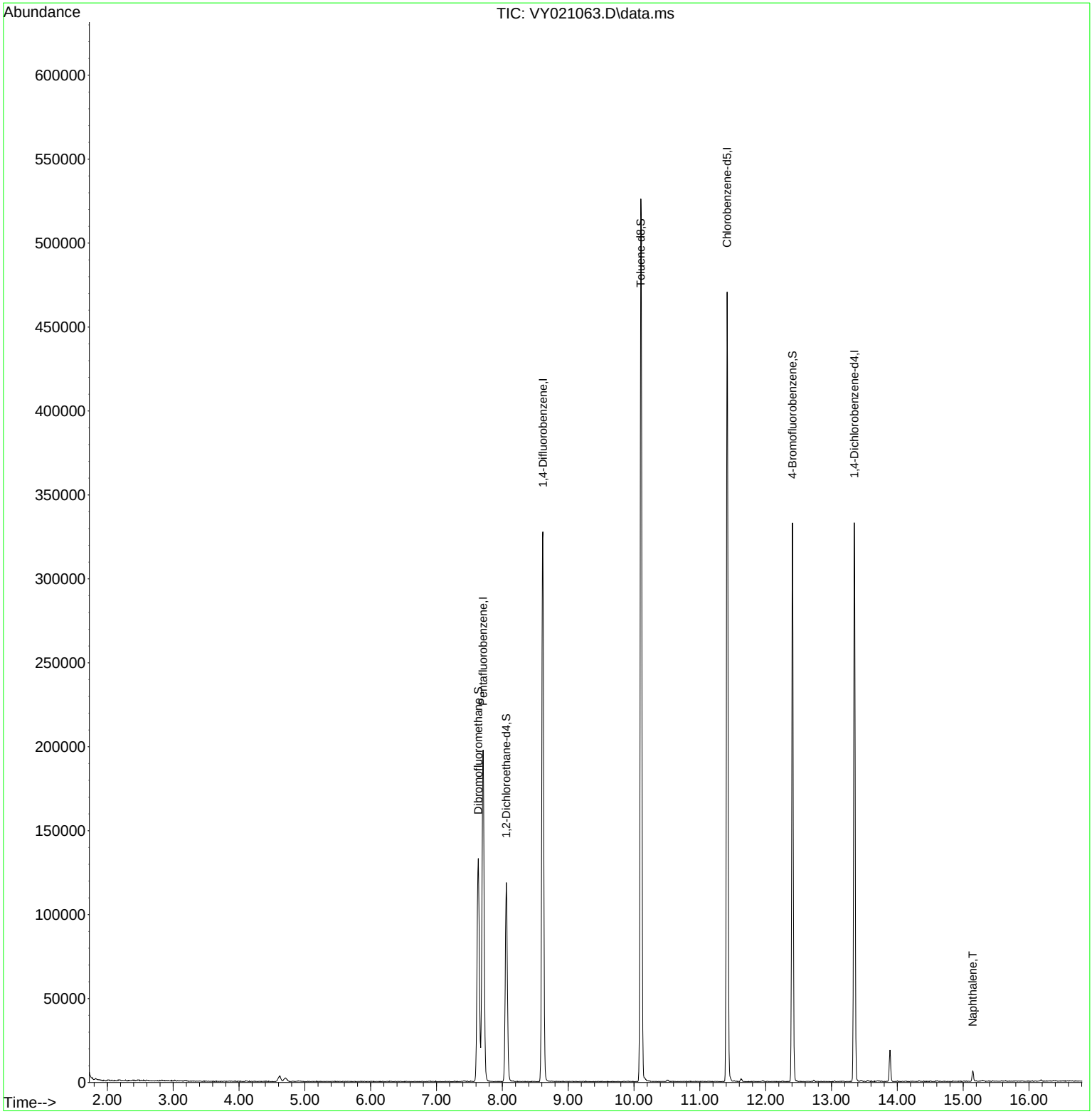
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	148841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	277787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	241489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	81247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	94102	61.706	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.420%			
35) Dibromofluoromethane	7.634	113	93924	52.759	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.520%			
50) Toluene-d8	10.103	98	338200	49.900	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.800%			
62) 4-Bromofluorobenzene	12.408	95	94037	42.470	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.940%			
Target Compounds						Qvalue
95) Naphthalene	15.145	128	4992	2.284	ug/l #	96

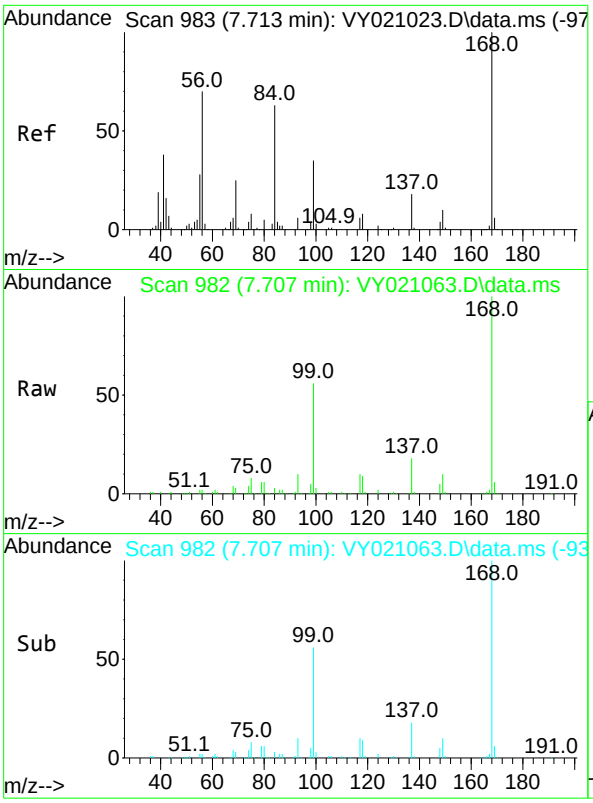
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021063.D
Acq On : 04 Feb 2025 17:00
Operator : SY/MD
Sample : Q1241-01
Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-3.5-013025

Quant Time: Feb 05 00:48:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



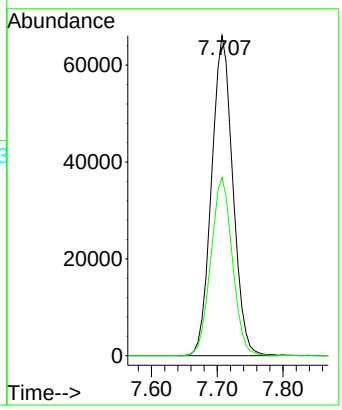


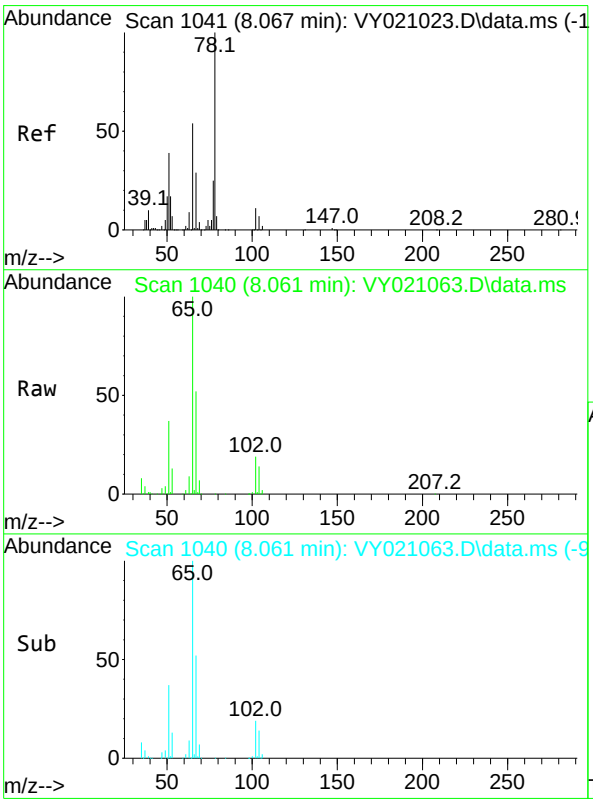
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

Instrument :
MSVOA_Y
ClientSampleId :
JPP-3.5-013025

Tgt Ion:168 Resp: 148841

Ion	Ratio	Lower	Upper
168	100		
99	55.6	44.2	66.4

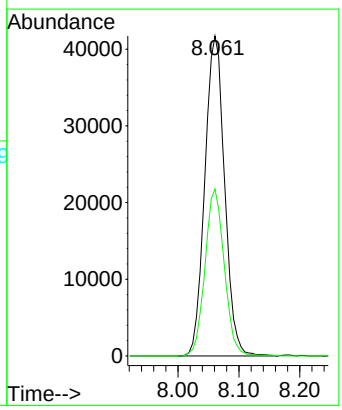


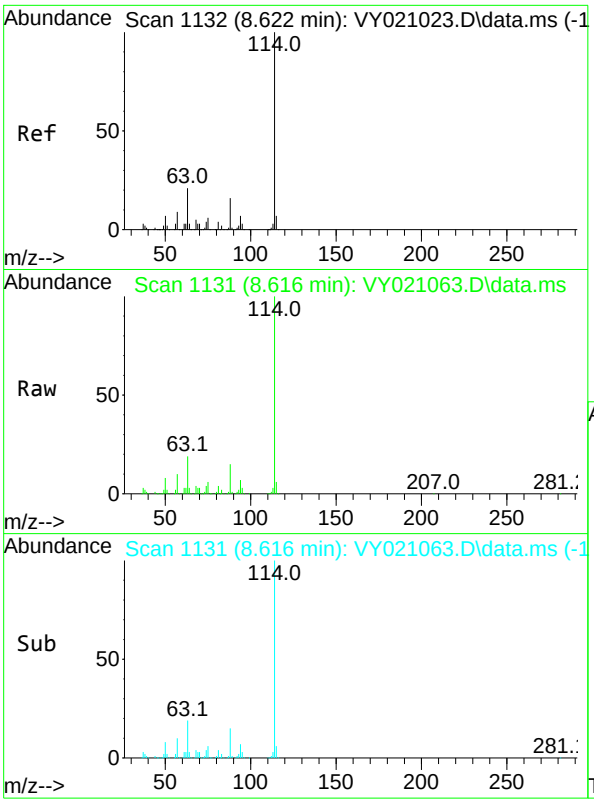


#33
1,2-Dichloroethane-d4
Concen: 61.706 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

Tgt Ion: 65 Resp: 94102

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	109.0



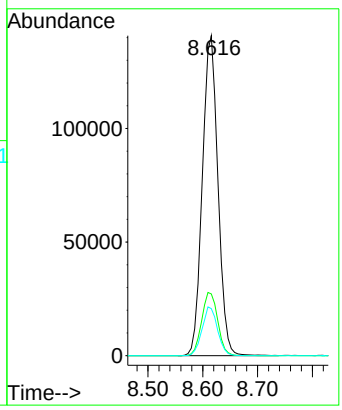


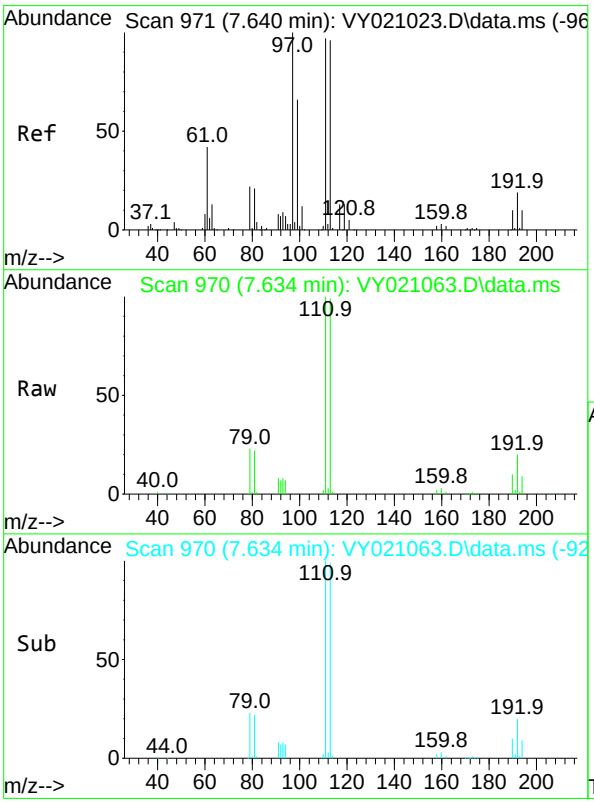
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

Instrument :
MSVOA_Y
ClientSampleId :
JPP-3.5-013025

Tgt Ion:114 Resp: 277787

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	37.4
88	14.7	0.0	29.0

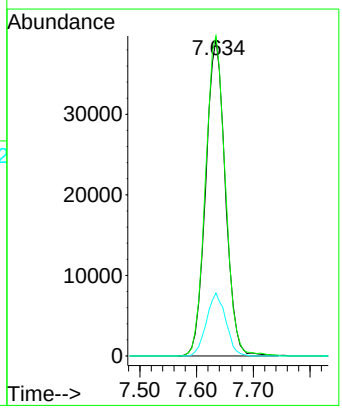


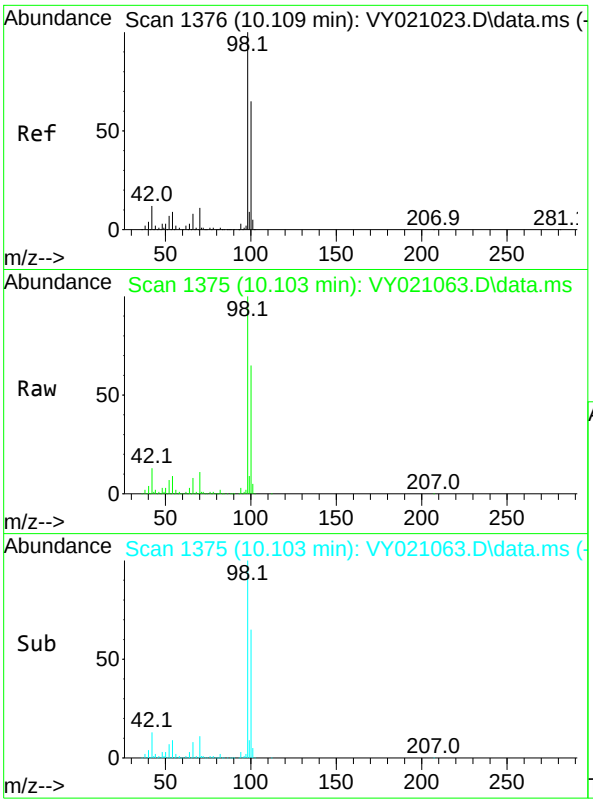


#35
Dibromofluoromethane
Concen: 52.759 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

Tgt Ion:113 Resp: 93924

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.8	125.6
192	19.7	14.5	21.7



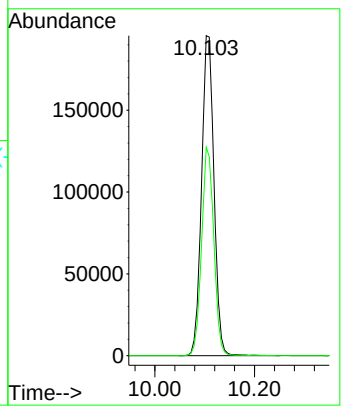


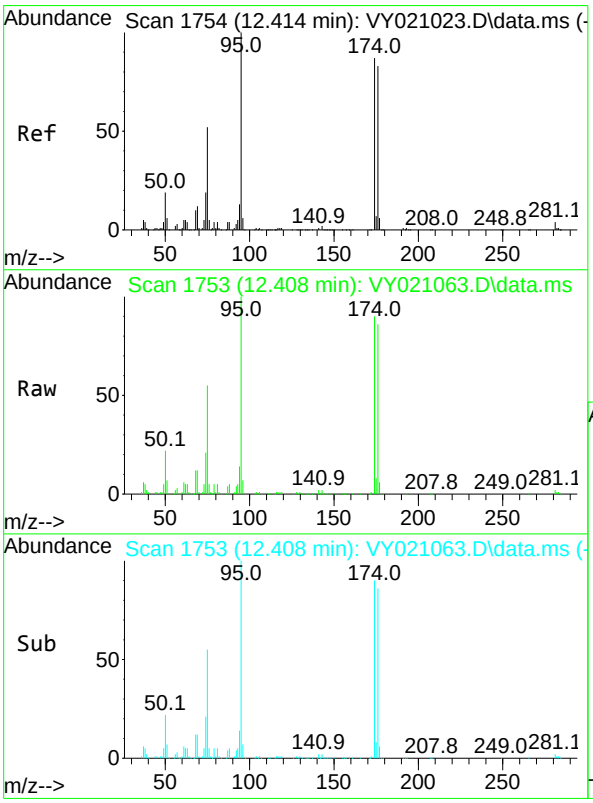
#50
Toluene-d8
Concen: 49.900 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

Instrument :
MSVOA_Y
ClientSampleId :
JPP-3.5-013025

Tgt Ion: 98 Resp: 338200

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.3	78.5

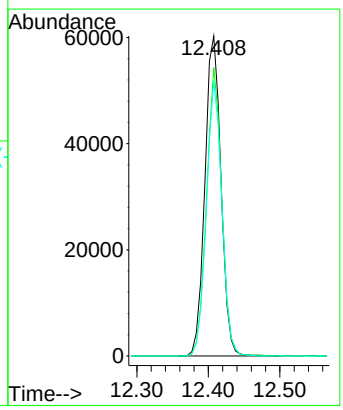


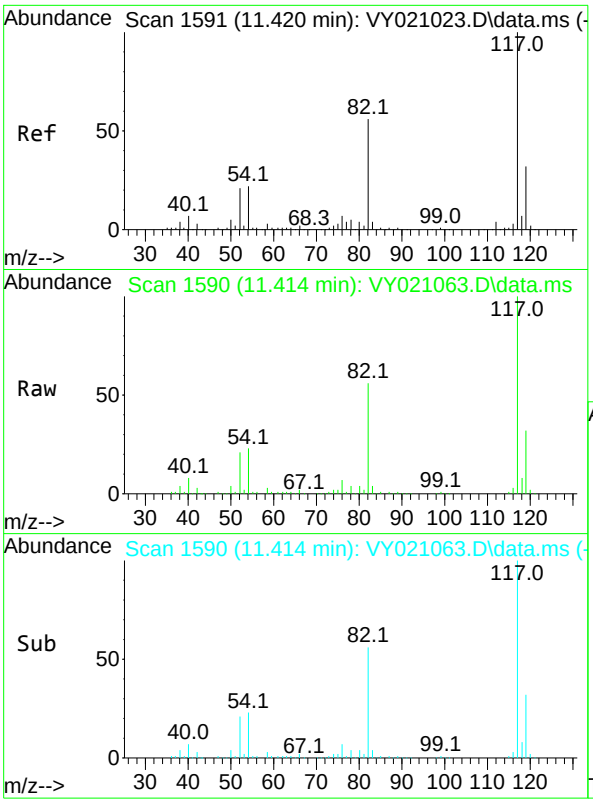


#62
4-Bromofluorobenzene
Concen: 42.470 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

Tgt Ion: 95 Resp: 94037

Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	160.0
176	82.6	0.0	151.8



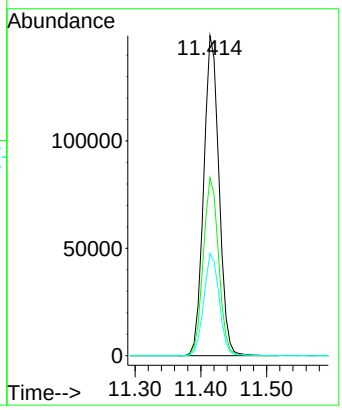


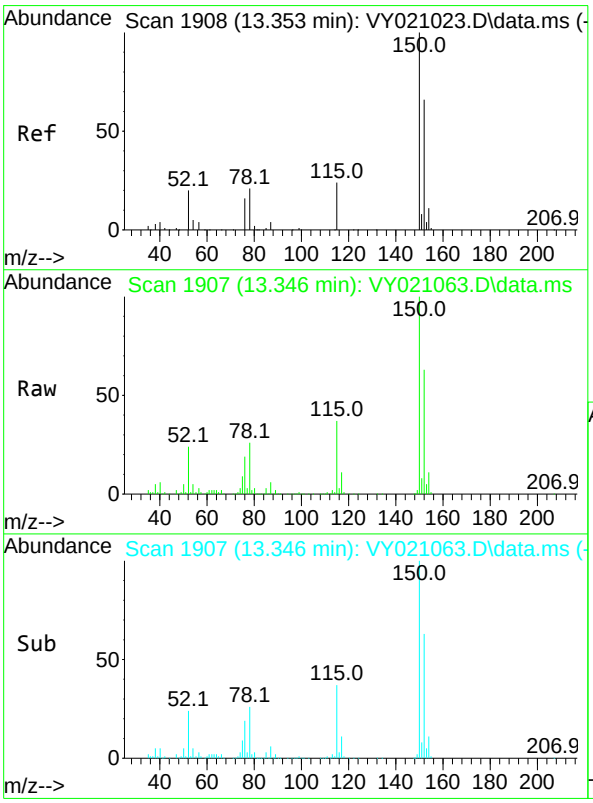
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

Instrument :
MSVOA_Y
ClientSampleId :
JPP-3.5-013025

Tgt Ion:117 Resp: 241489

Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.8	65.8
119	32.0	26.5	39.7

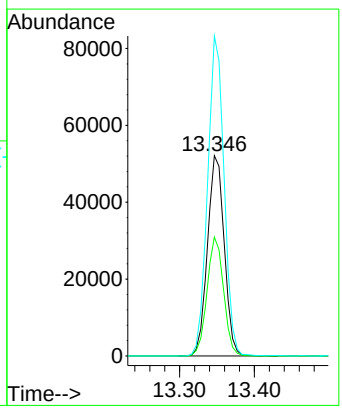


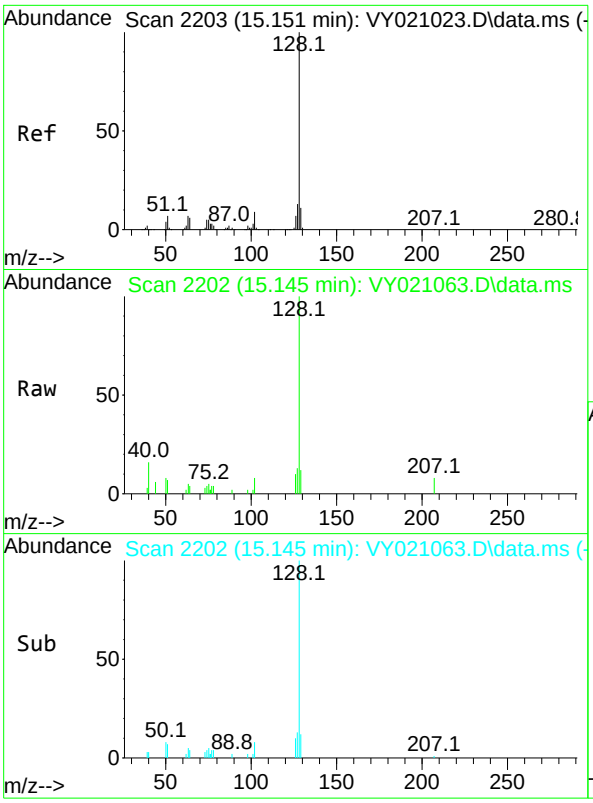


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

Tgt Ion:152 Resp: 81247

Ion	Ratio	Lower	Upper
152	100		
115	58.3	30.0	90.0
150	156.9	0.0	344.6



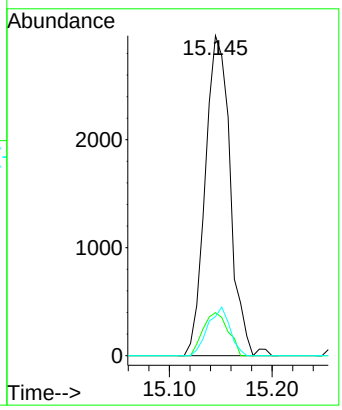


#95
Naphthalene
Concen: 2.284 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

Instrument :
MSVOA_Y
ClientSampleId :
JPP-3.5-013025

Tgt Ion:128 Resp: 4992

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	13.4	8.6	12.8#



Sample Results: **VY021063.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021063.D
Acq On : 04 Feb 2025 17:00
Operator : SY/MD
Sample : Q1241-01
Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-3.5-013025

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\82Y020325S.M
Title : SW846 8260

Signal : TIC: VY021063.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	464	476	481	rBV4	3360	10035	1.10%	0.226%
2	7.634	958	970	976	rBV	132882	320167	35.08%	7.220%
3	7.707	976	982	998	rVB	197388	445223	48.78%	10.040%
4	8.061	1030	1040	1052	rBV	118587	262538	28.77%	5.921%
5	8.616	1122	1131	1146	rBV	327524	658068	72.11%	14.840%
6	10.103	1367	1375	1391	rBV	525935	912636	100.00%	20.581%
7	11.414	1583	1590	1603	rBV	470208	763257	83.63%	17.212%
8	12.408	1746	1753	1762	rBV	332903	516697	56.62%	11.652%
9	13.346	1899	1907	1918	rBV	332927	506400	55.49%	11.420%
10	13.889	1990	1996	2004	rVB2	18887	28956	3.17%	0.653%
11	15.145	2196	2202	2208	rBV2	6258	10372	1.14%	0.234%

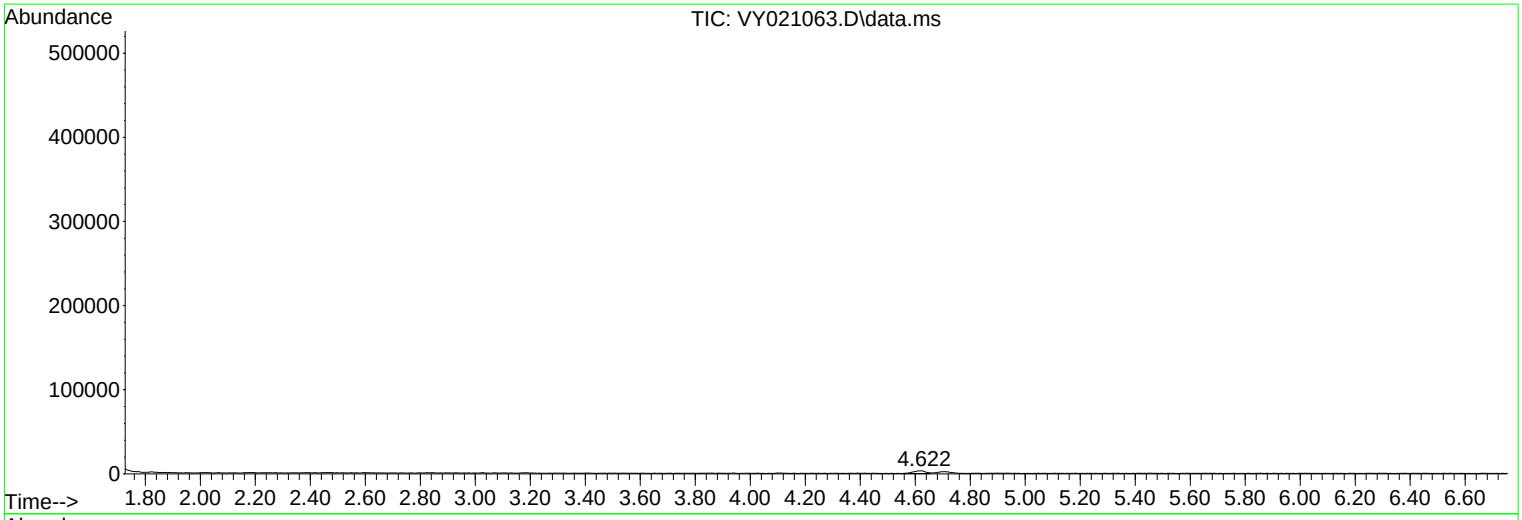
Sum of corrected areas: 4434349

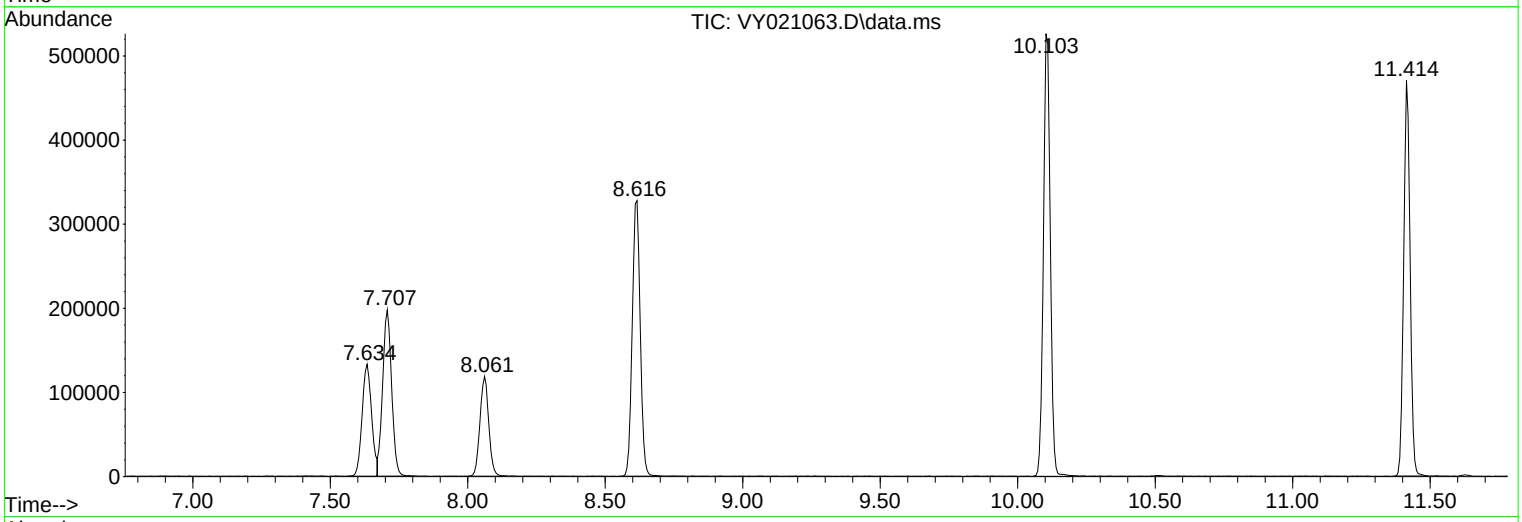
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021063.D
Acq On : 04 Feb 2025 17:00
Operator : SY/MD
Sample : Q1241-01
Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

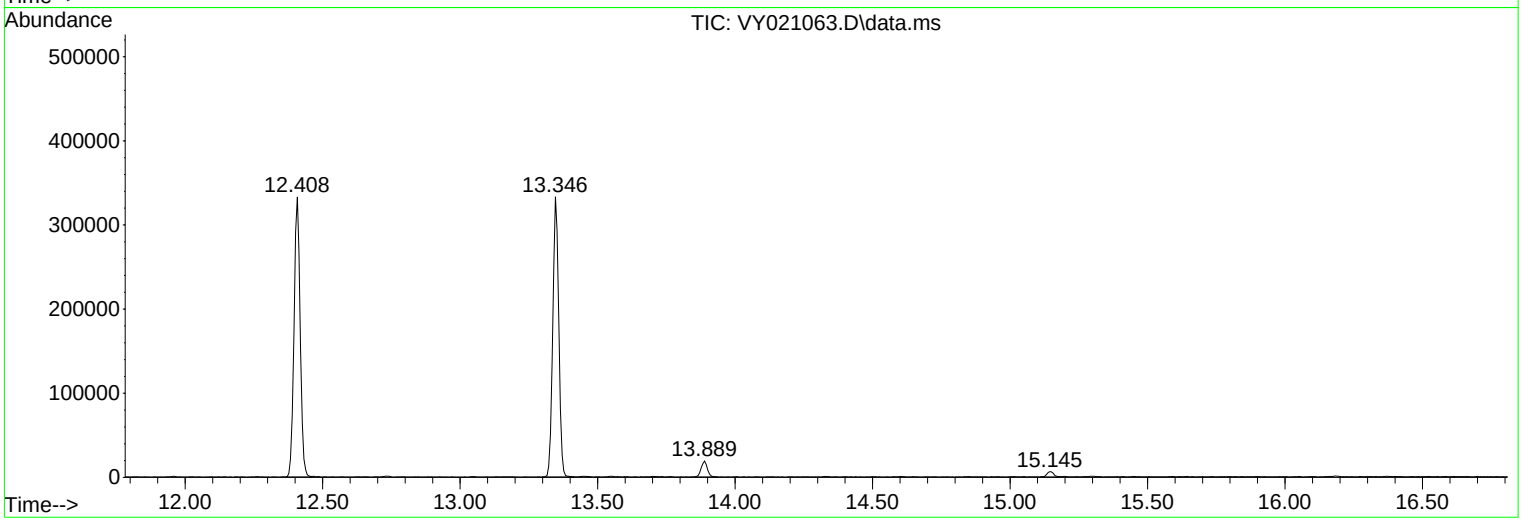
Instrument :
MSVOA_Y
ClientSampleId :
JPP-3.5-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021063.D
Acq On : 04 Feb 2025 17:00
Operator : SY/MD
Sample : Q1241-01
Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-3.5-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021063.D
Acq On : 04 Feb 2025 17:00
Operator : SY/MD
Sample : Q1241-01
Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-3.5-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.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:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.3-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.3
Sample Wt/Vol:	7.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021092.D	1		02/05/25 16:35	VY020525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.60	U	1.20	3.60	ug/Kg
74-87-3	Chloromethane	3.60	U	0.84	3.60	ug/Kg
75-01-4	Vinyl Chloride	3.60	U	0.56	3.60	ug/Kg
74-83-9	Bromomethane	3.60	U	0.75	3.60	ug/Kg
75-00-3	Chloroethane	3.60	U	0.73	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	3.60	U	0.66	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.60	U	0.77	3.60	ug/Kg
75-65-0	Tert butyl alcohol	18.1	U	11.3	18.1	ug/Kg
75-35-4	1,1-Dichloroethene	3.60	U	0.56	3.60	ug/Kg
67-64-1	Acetone	18.1	U	4.50	18.1	ug/Kg
75-15-0	Carbon Disulfide	3.60	U	0.93	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.60	U	0.48	3.60	ug/Kg
79-20-9	Methyl Acetate	3.60	U	1.30	3.60	ug/Kg
75-09-2	Methylene Chloride	7.20	U	2.50	7.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.60	U	0.61	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	3.60	U	0.46	3.60	ug/Kg
110-82-7	Cyclohexane	3.60	U	0.50	3.60	ug/Kg
78-93-3	2-Butanone	18.1	U	4.10	18.1	ug/Kg
56-23-5	Carbon Tetrachloride	3.60	U	0.63	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.60	U	0.44	3.60	ug/Kg
74-97-5	Bromochloromethane	3.60	U	1.80	3.60	ug/Kg
67-66-3	Chloroform	3.60	U	0.48	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.60	U	0.56	3.60	ug/Kg
108-87-2	Methylcyclohexane	3.60	U	0.63	3.60	ug/Kg
71-43-2	Benzene	3.60	U	0.52	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	3.60	U	0.44	3.60	ug/Kg
79-01-6	Trichloroethene	3.60	U	0.54	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	3.60	U	0.48	3.60	ug/Kg
75-27-4	Bromodichloromethane	3.60	U	0.41	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	18.1	U	3.10	18.1	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.3-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.3
Sample Wt/Vol:	7.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021092.D	1		02/05/25 16:35	VY020525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	3.60	U	0.48	3.60	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.60	U	0.43	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.60	U	0.41	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.60	U	0.61	3.60	ug/Kg
591-78-6	2-Hexanone	18.1	U	3.50	18.1	ug/Kg
124-48-1	Dibromochloromethane	3.60	U	0.47	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	3.60	U	0.57	3.60	ug/Kg
127-18-4	Tetrachloroethene	3.60	U	0.64	3.60	ug/Kg
108-90-7	Chlorobenzene	3.60	U	0.54	3.60	ug/Kg
100-41-4	Ethyl Benzene	3.60	U	0.45	3.60	ug/Kg
179601-23-1	m/p-Xylenes	7.20	U	0.98	7.20	ug/Kg
95-47-6	o-Xylene	3.60	U	0.51	3.60	ug/Kg
100-42-5	Styrene	3.60	U	0.43	3.60	ug/Kg
75-25-2	Bromoform	3.60	U	0.59	3.60	ug/Kg
98-82-8	Isopropylbenzene	3.60	U	0.48	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.60	U	0.80	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.60	U	0.54	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.60	U	0.58	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.60	U	0.43	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.60	U	1.10	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.60	U	0.57	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.60	U	0.56	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.3		50 - 163	115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	48.9		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.2		29 - 146	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	193000	7.713			
540-36-3	1,4-Difluorobenzene	356000	8.615			
3114-55-4	Chlorobenzene-d5	296000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	91300	13.352			

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Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.3-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.3
Sample Wt/Vol:	7.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021092.D	1		02/05/25 16:35	VY020525

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\VY020525\
Data File : VY021092.D
Acq On : 05 Feb 2025 16:35
Operator : SY/MD
Sample : Q1241-05
Misc : 7.74g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.3-013025

Quant Time: Feb 06 00:56:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

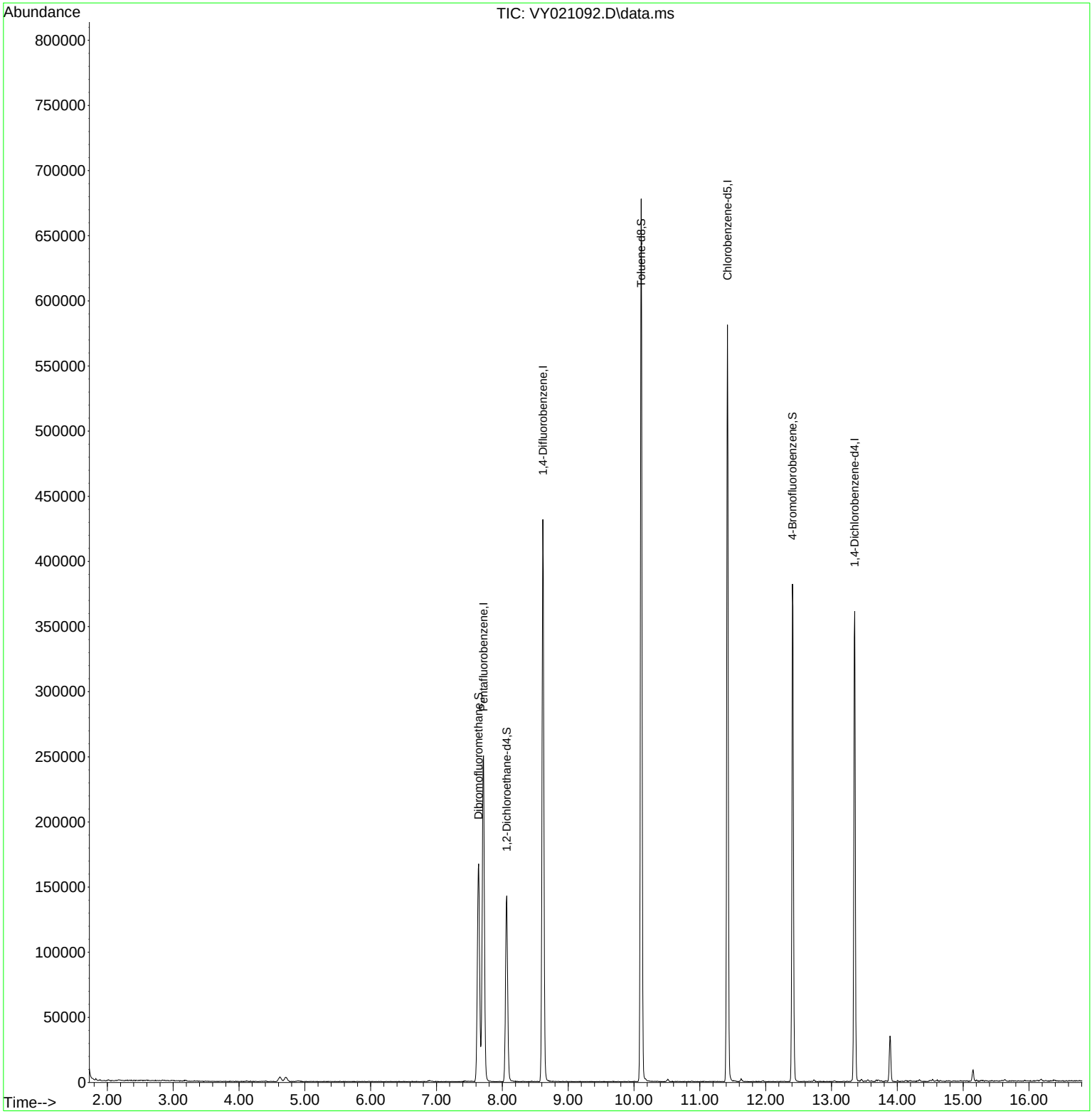
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	193458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	355898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	296013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	91291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113600	57.312	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.620%			
35) Dibromofluoromethane	7.640	113	118198	51.822	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.640%			
50) Toluene-d8	10.109	98	424465	48.883	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.760%			
62) 4-Bromofluorobenzene	12.407	95	111199	39.199	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.400%			
Target Compounds						Qvalue

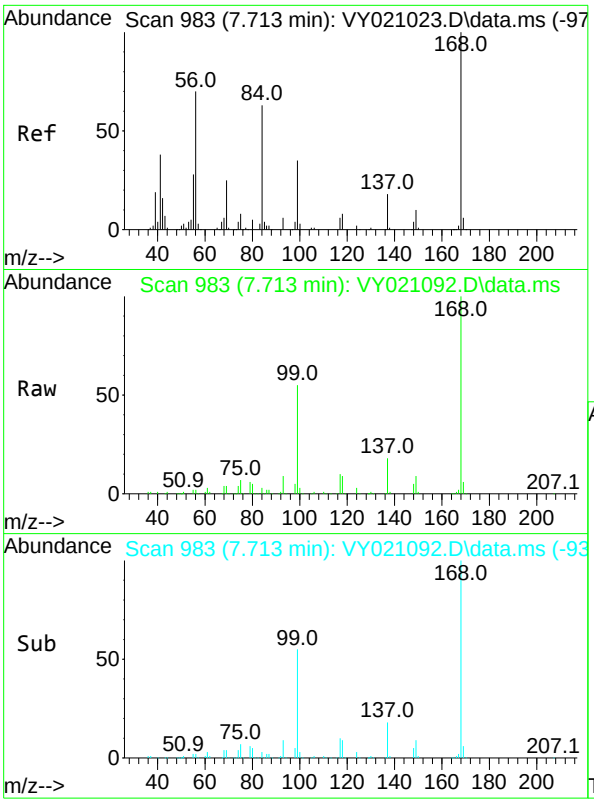
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021092.D
Acq On : 05 Feb 2025 16:35
Operator : SY/MD
Sample : Q1241-05
Misc : 7.74g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.3-013025

Quant Time: Feb 06 00:56:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



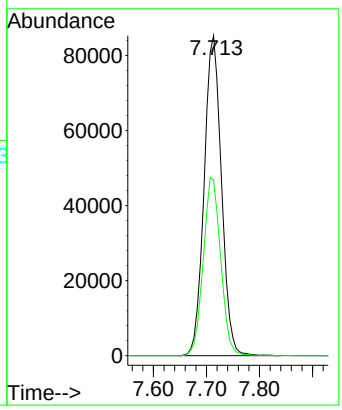


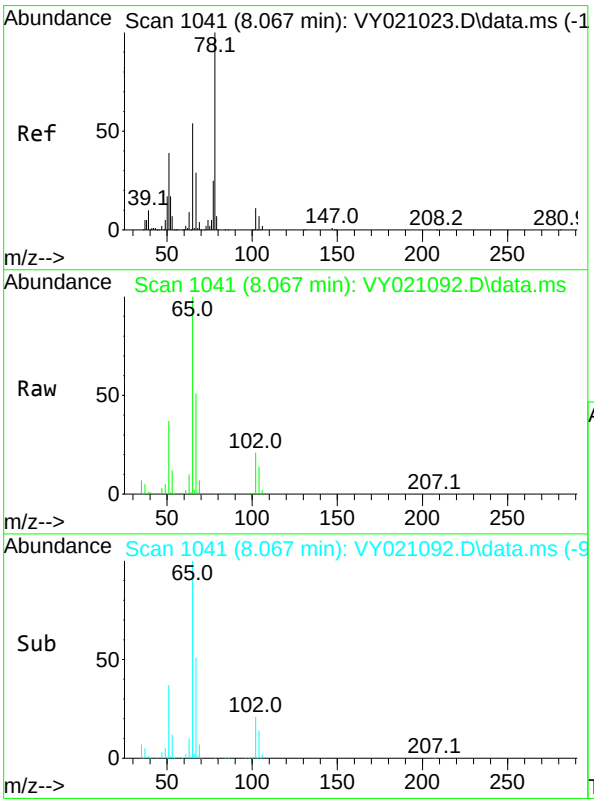
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.3-013025

Tgt Ion:168 Resp: 193458

Ion	Ratio	Lower	Upper
168	100		
99	54.9	44.2	66.4

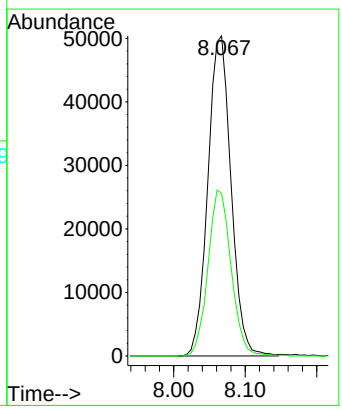


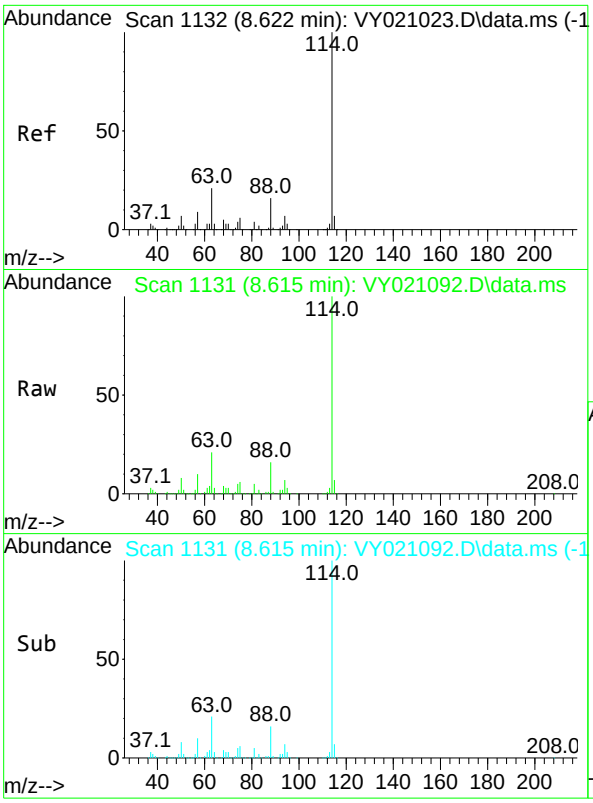


#33
1,2-Dichloroethane-d4
Concen: 57.312 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

Tgt Ion: 65 Resp: 113600

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	109.0



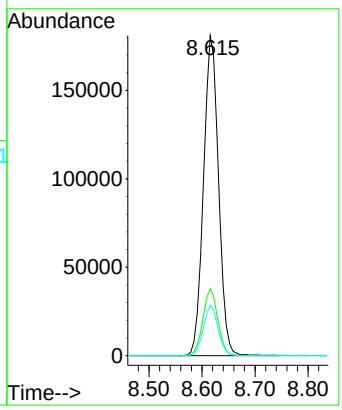


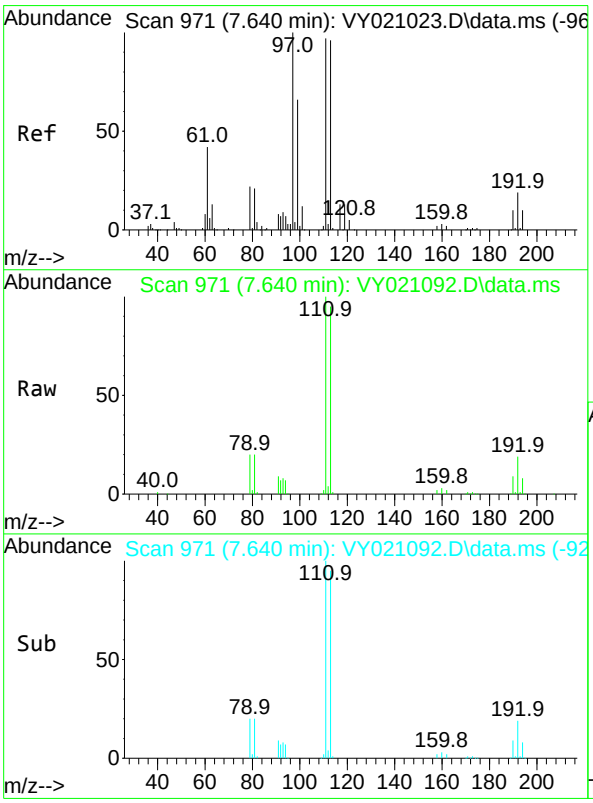
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.3-013025

Tgt Ion:114 Resp: 355898

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	37.4
88	15.8	0.0	29.0

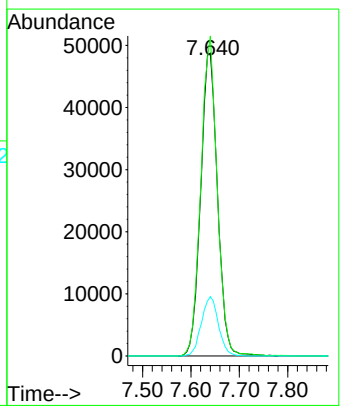


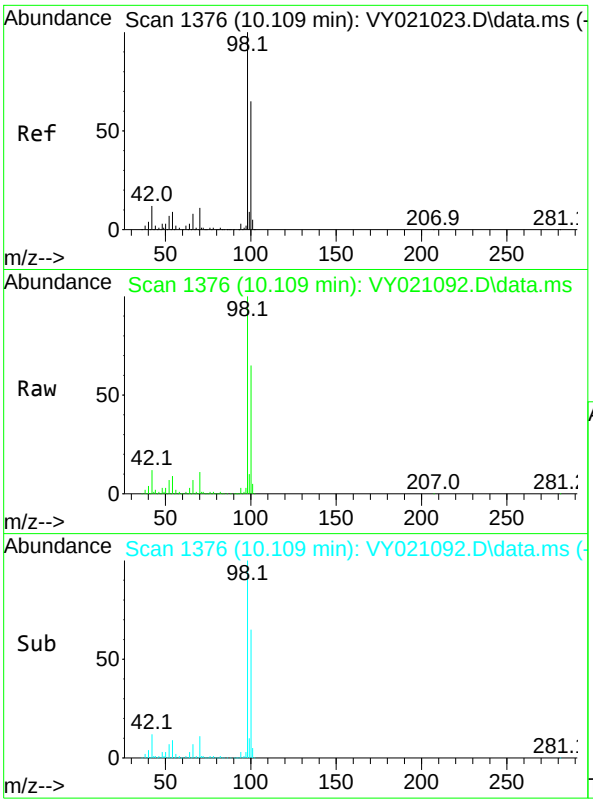


#35
Dibromofluoromethane
Concen: 51.822 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

Tgt Ion:113 Resp: 118198

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.8	125.6
192	19.8	14.5	21.7



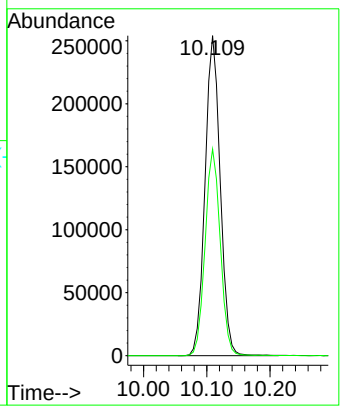


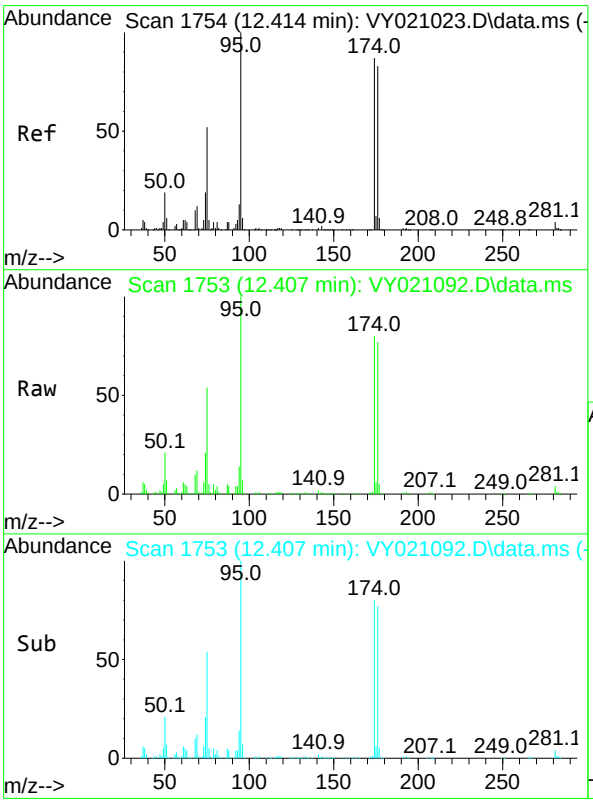
#50
Toluene-d8
Concen: 48.883 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.3-013025

Tgt Ion: 98 Resp: 424465

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.3	78.5

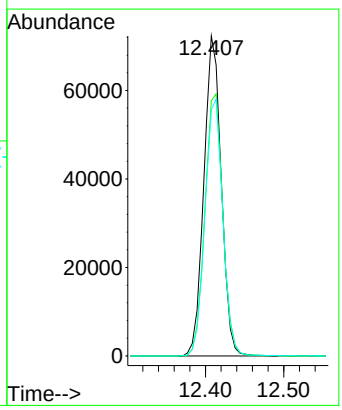


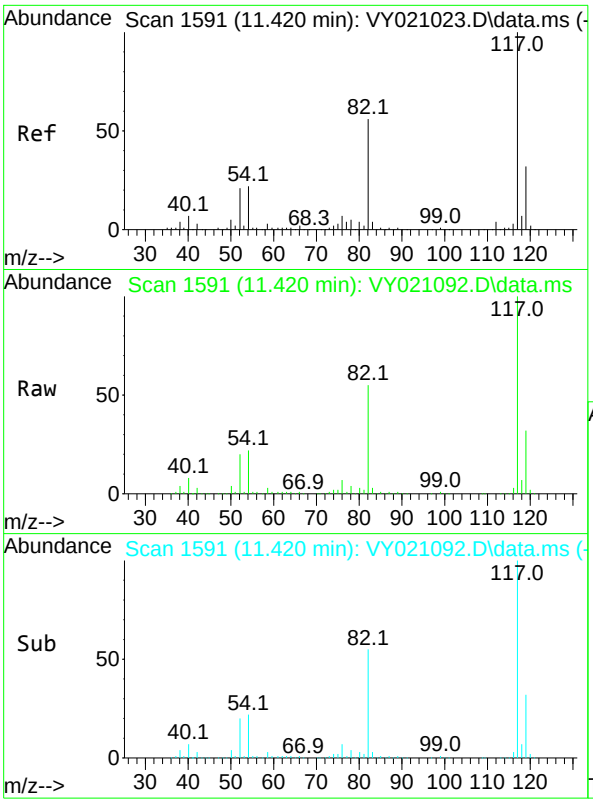


#62
4-Bromofluorobenzene
Concen: 39.199 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

Tgt Ion: 95 Resp: 111199

Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	160.0
176	82.6	0.0	151.8



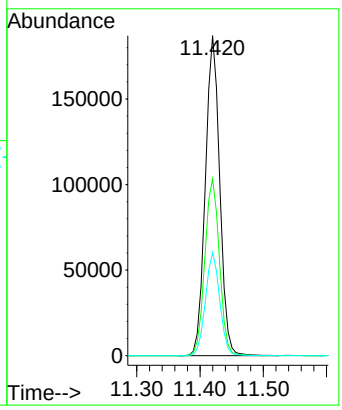


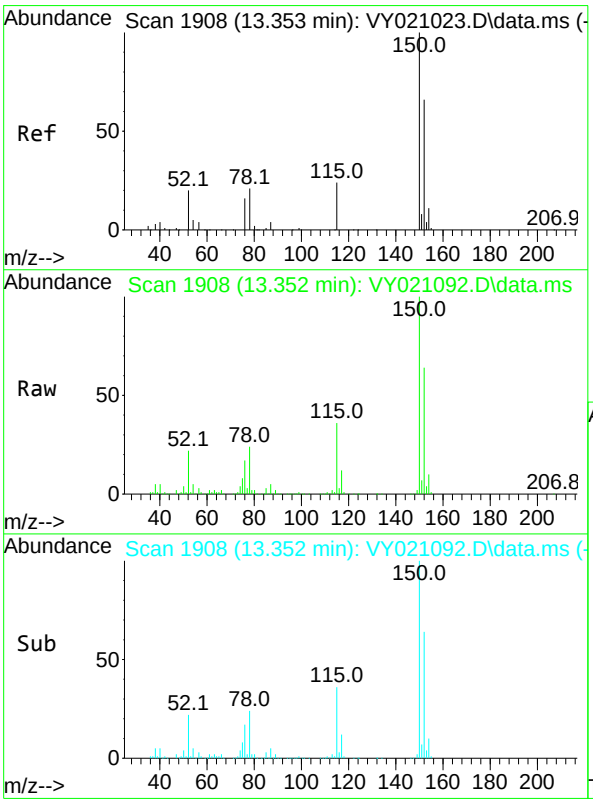
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.3-013025

Tgt Ion:117 Resp: 296013

Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.8	65.8
119	32.2	26.5	39.7

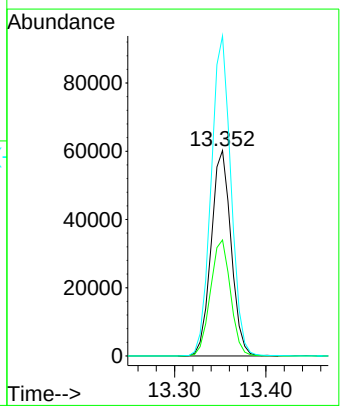




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

Tgt Ion:152 Resp: 91291

Ion	Ratio	Lower	Upper
152	100		
115	56.9	30.0	90.0
150	154.9	0.0	344.6



Sample Results: **VY021092.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021092.D
Acq On : 05 Feb 2025 16:35
Operator : SY/MD
Sample : Q1241-05
Misc : 7.74g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.3-013025

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\82Y020325S.M
Title : SW846 8260

Signal : TIC: VY021092.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.640	961	971	976	rBV	167105	395414	34.75%	7.244%
2	7.713	976	983	997	rVB	249983	580236	50.99%	10.629%
3	8.067	1032	1041	1053	rBV	142760	317350	27.89%	5.814%
4	8.615	1123	1131	1149	rBV	431459	840138	73.83%	15.390%
5	10.109	1367	1376	1386	rBV	677682	1138004	100.00%	20.847%
6	11.420	1582	1591	1604	rBV	581040	933585	82.04%	17.102%
7	12.407	1746	1753	1765	rBV	382014	624620	54.89%	11.442%
8	13.352	1898	1908	1916	rBV	361033	558047	49.04%	10.223%
9	13.889	1990	1996	2003	rBV	34846	57473	5.05%	1.053%
10	15.151	2197	2203	2209	rBV2	8631	13968	1.23%	0.256%

Sum of corrected areas: 5458835

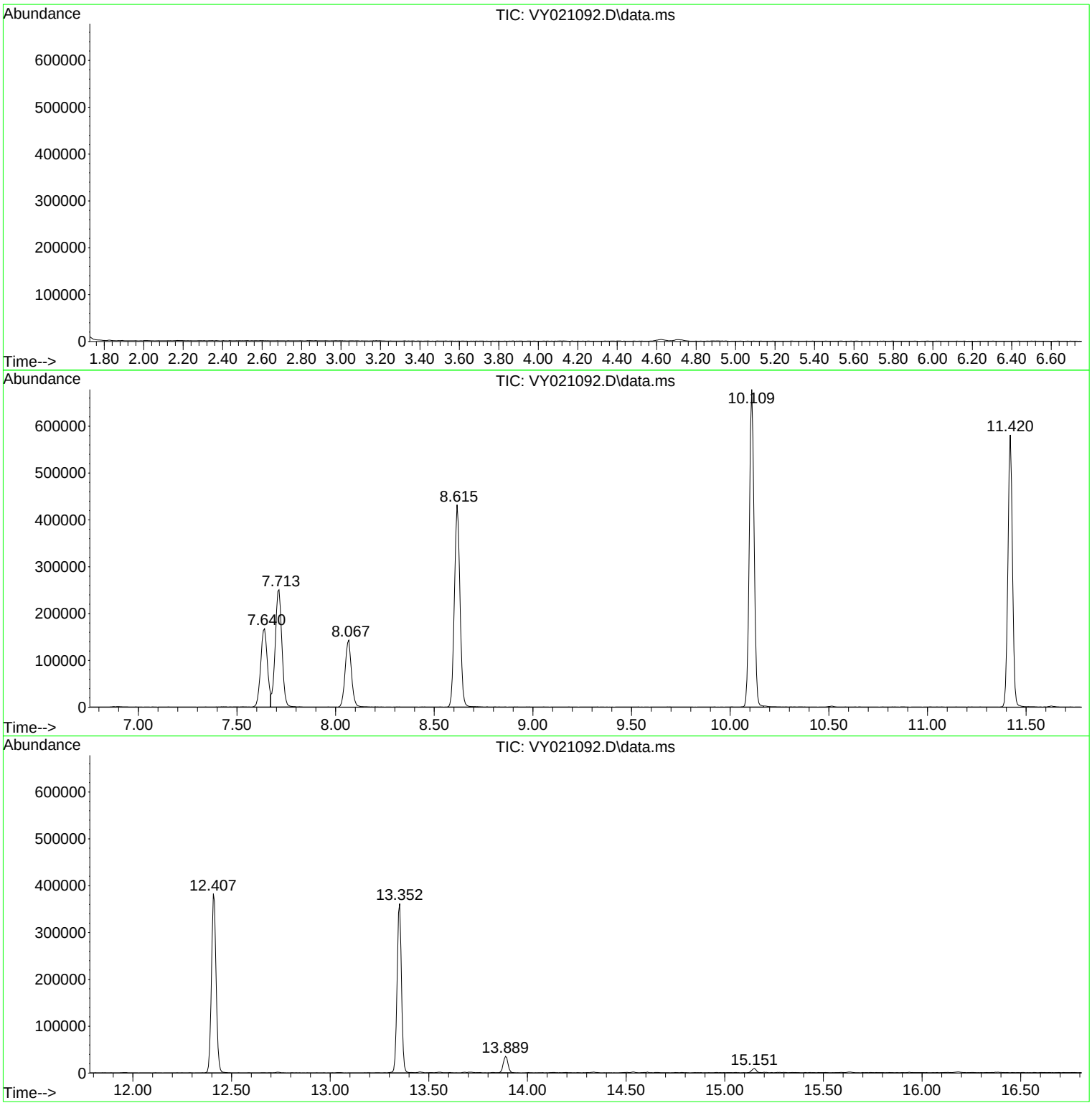
Sample Results: **VY021092.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021092.D
Acq On : 05 Feb 2025 16:35
Operator : SY/MD
Sample : Q1241-05
Misc : 7.74g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021092.D
Acq On : 05 Feb 2025 16:35
Operator : SY/MD
Sample : Q1241-05
Misc : 7.74g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021092.D
Acq On : 05 Feb 2025 16:35
Operator : SY/MD
Sample : Q1241-05
Misc : 7.74g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.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:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.2-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.3
Sample Wt/Vol:	10.62 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021065.D	1		02/04/25 17:47	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.70	U	0.89	2.70	ug/Kg
74-87-3	Chloromethane	2.70	U	0.63	2.70	ug/Kg
75-01-4	Vinyl Chloride	2.70	U	0.42	2.70	ug/Kg
74-83-9	Bromomethane	2.70	U	0.56	2.70	ug/Kg
75-00-3	Chloroethane	2.70	U	0.54	2.70	ug/Kg
75-69-4	Trichlorofluoromethane	2.70	U	0.49	2.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.70	U	0.58	2.70	ug/Kg
75-65-0	Tert butyl alcohol	13.5	U	8.40	13.5	ug/Kg
75-35-4	1,1-Dichloroethene	2.70	U	0.42	2.70	ug/Kg
67-64-1	Acetone	31.4		3.40	13.5	ug/Kg
75-15-0	Carbon Disulfide	1.20	J	0.69	2.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.70	U	0.36	2.70	ug/Kg
79-20-9	Methyl Acetate	2.70	U	0.97	2.70	ug/Kg
75-09-2	Methylene Chloride	5.40	U	1.80	5.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.70	U	0.45	2.70	ug/Kg
75-34-3	1,1-Dichloroethane	2.70	U	0.34	2.70	ug/Kg
110-82-7	Cyclohexane	2.70	U	0.37	2.70	ug/Kg
78-93-3	2-Butanone	13.5	U	3.10	13.5	ug/Kg
56-23-5	Carbon Tetrachloride	2.70	U	0.47	2.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.70	U	0.33	2.70	ug/Kg
74-97-5	Bromochloromethane	2.70	U	1.30	2.70	ug/Kg
67-66-3	Chloroform	2.70	U	0.36	2.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.70	U	0.42	2.70	ug/Kg
108-87-2	Methylcyclohexane	2.70	U	0.47	2.70	ug/Kg
71-43-2	Benzene	2.70	U	0.39	2.70	ug/Kg
107-06-2	1,2-Dichloroethane	2.70	U	0.33	2.70	ug/Kg
79-01-6	Trichloroethene	2.70	U	0.40	2.70	ug/Kg
78-87-5	1,2-Dichloropropane	2.70	U	0.36	2.70	ug/Kg
75-27-4	Bromodichloromethane	2.70	U	0.30	2.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13.5	U	2.30	13.5	ug/Kg

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.2-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.3
Sample Wt/Vol:	10.62 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021065.D	1		02/04/25 17:47	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	2.70	U	0.36	2.70	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.70	U	0.32	2.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.70	U	0.31	2.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.70	U	0.45	2.70	ug/Kg
591-78-6	2-Hexanone	13.5	U	2.60	13.5	ug/Kg
124-48-1	Dibromochloromethane	2.70	U	0.35	2.70	ug/Kg
106-93-4	1,2-Dibromoethane	2.70	U	0.43	2.70	ug/Kg
127-18-4	Tetrachloroethene	2.70	U	0.48	2.70	ug/Kg
108-90-7	Chlorobenzene	2.70	U	0.40	2.70	ug/Kg
100-41-4	Ethyl Benzene	2.70	U	0.33	2.70	ug/Kg
179601-23-1	m/p-Xylenes	5.40	U	0.73	5.40	ug/Kg
95-47-6	o-Xylene	2.70	U	0.38	2.70	ug/Kg
100-42-5	Styrene	2.70	U	0.32	2.70	ug/Kg
75-25-2	Bromoform	2.70	U	0.44	2.70	ug/Kg
98-82-8	Isopropylbenzene	0.85	J	0.36	2.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.70	U	0.59	2.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.70	U	0.40	2.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.70	U	0.43	2.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.70	U	0.32	2.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	U	0.84	2.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	0.43	2.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	0.42	2.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	69.5		50 - 163	139%	SPK: 50
1868-53-7	Dibromofluoromethane	32.1		54 - 147	64%	SPK: 50
2037-26-5	Toluene-d8	50.9		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		29 - 146	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	146000	7.707			
540-36-3	1,4-Difluorobenzene	280000	8.615			
3114-55-4	Chlorobenzene-d5	270000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.346			

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.2-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.3
Sample Wt/Vol:	10.62 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021065.D	1		02/04/25 17:47	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TENTATIVE IDENTIFIED COMPOUNDS						
000127-91-3	.beta.-Pinene	3.00	J		12.8	ug/Kg
99-87-6	p-Isopropyltoluene	3.20	J		13.3	ug/Kg
91-20-3	Naphthalene	2.00	J		15.1	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021065.D
Acq On : 04 Feb 2025 17:47
Operator : SY/MD
Sample : Q1241-09
Misc : 10.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

Quant Time: Feb 05 00:49:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

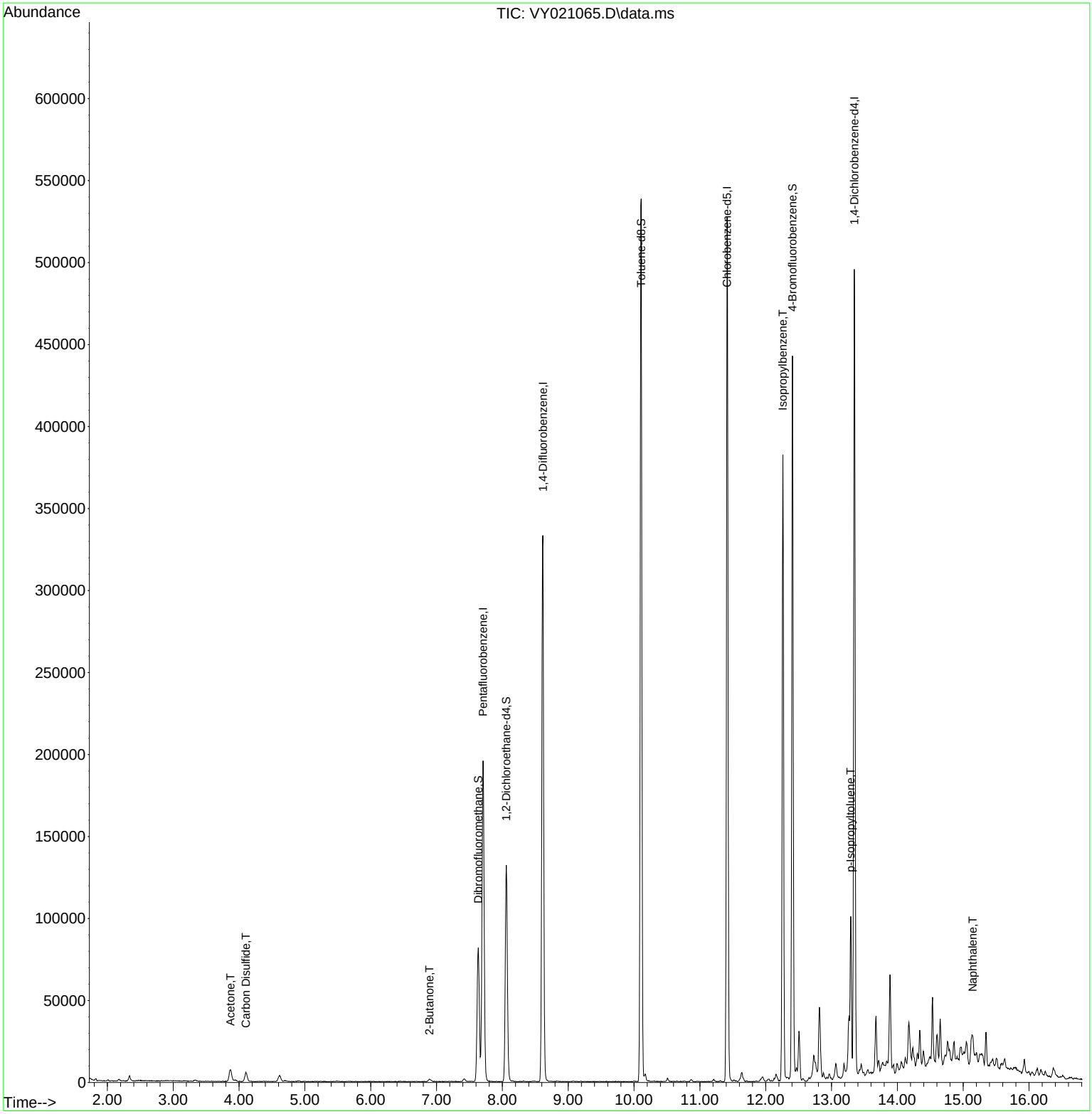
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	146429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	279661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	270362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	120739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	104258	69.492	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.980%			
35) Dibromofluoromethane	7.634	113	57442	32.050	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 64.100%			
50) Toluene-d8	10.109	98	347250	50.892	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.407	95	122654	55.024	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.040%			
Target Compounds						Qvalue
16) Acetone	3.872	43	13603	58.141	ug/l	91
17) Carbon Disulfide	4.104	76	10095	2.306	ug/l #	91
25) 2-Butanone	6.890	43	2146	5.582	ug/l #	84
73) Isopropylbenzene	12.261	105	14913	1.581	ug/l #	66
86) p-Isopropyltoluene	13.291	119	49442	5.949	ug/l	94
95) Naphthalene	15.145	128	12154	3.742	ug/l	95

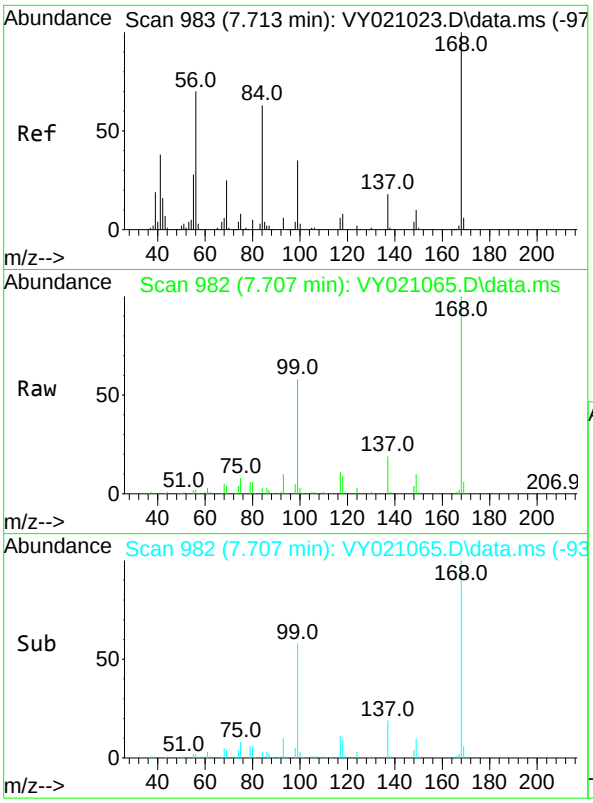
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021065.D
Acq On : 04 Feb 2025 17:47
Operator : SY/MD
Sample : Q1241-09
Misc : 10.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

Quant Time: Feb 05 00:49:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



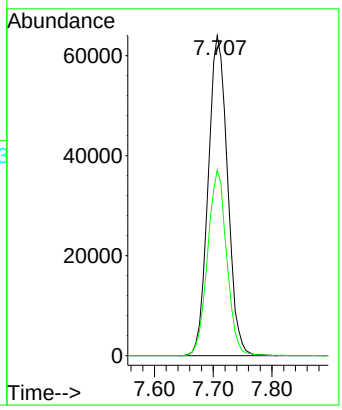


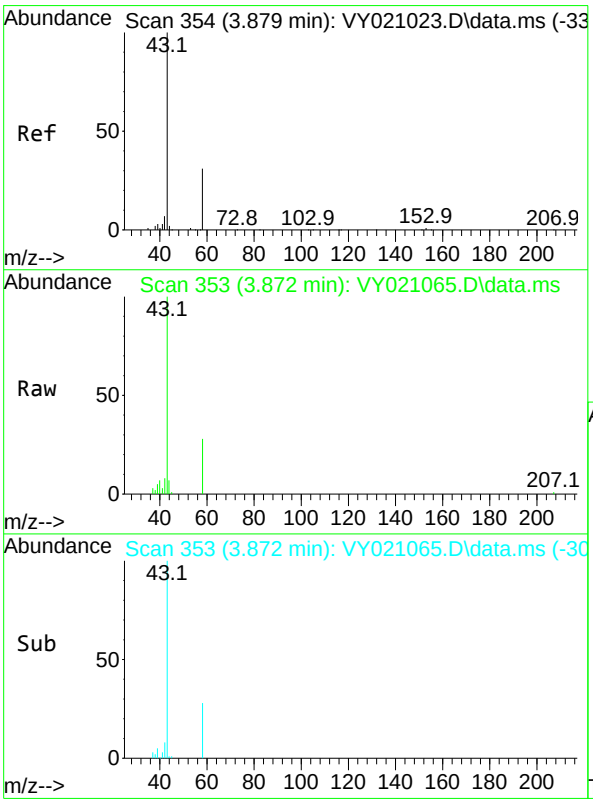
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

Tgt Ion:168 Resp: 146429

Ion	Ratio	Lower	Upper
168	100		
99	58.0	44.2	66.4

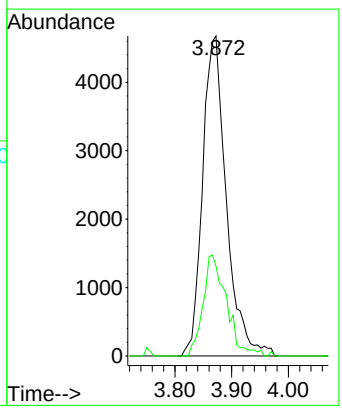


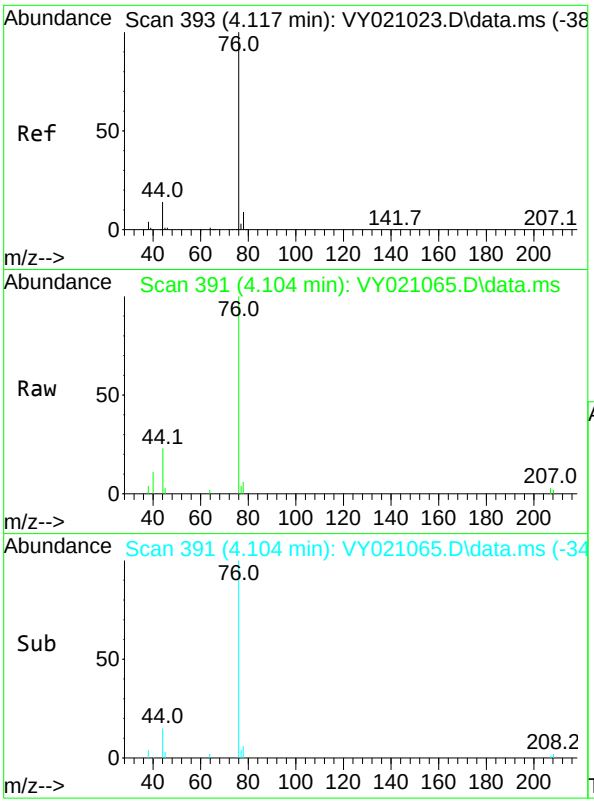


#16
Acetone
Concen: 58.141 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Tgt Ion: 43 Resp: 13603

Ion	Ratio	Lower	Upper
43	100		
58	28.2	26.6	39.8



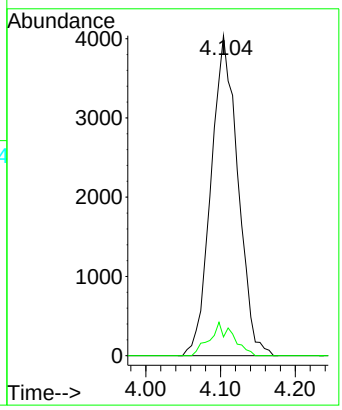


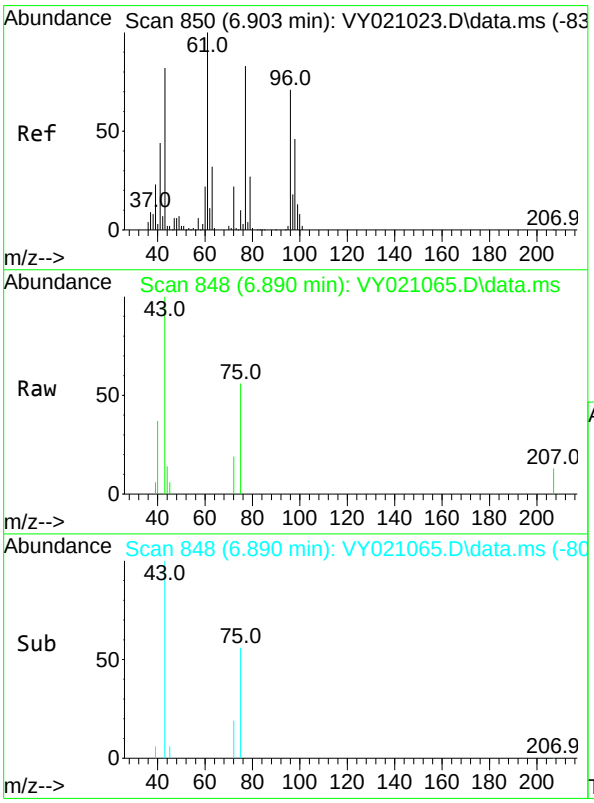
#17
Carbon Disulfide
Concen: 2.306 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.013 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

Tgt Ion: 76 Resp: 10095

Ion	Ratio	Lower	Upper
76	100		
78	5.8	7.4	11.0#

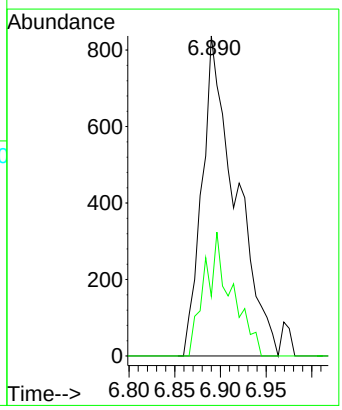


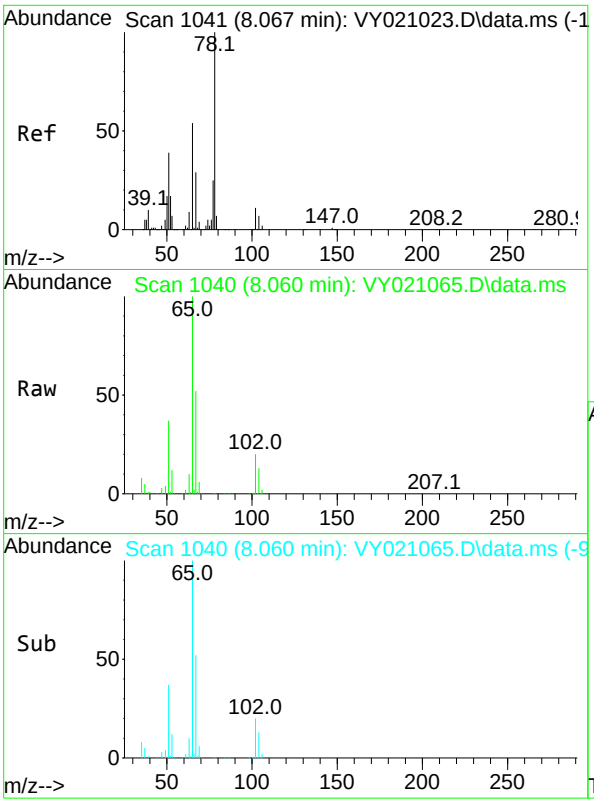


#25
2-Butanone
Concen: 5.582 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.013 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Tgt Ion: 43 Resp: 2146

Ion	Ratio	Lower	Upper
43	100		
72	18.6	21.4	32.2#



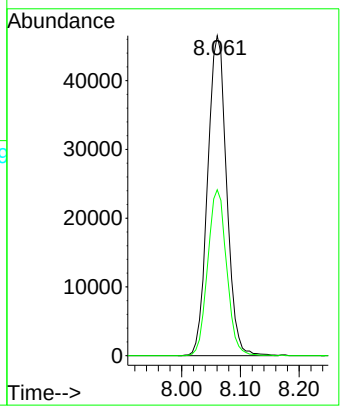


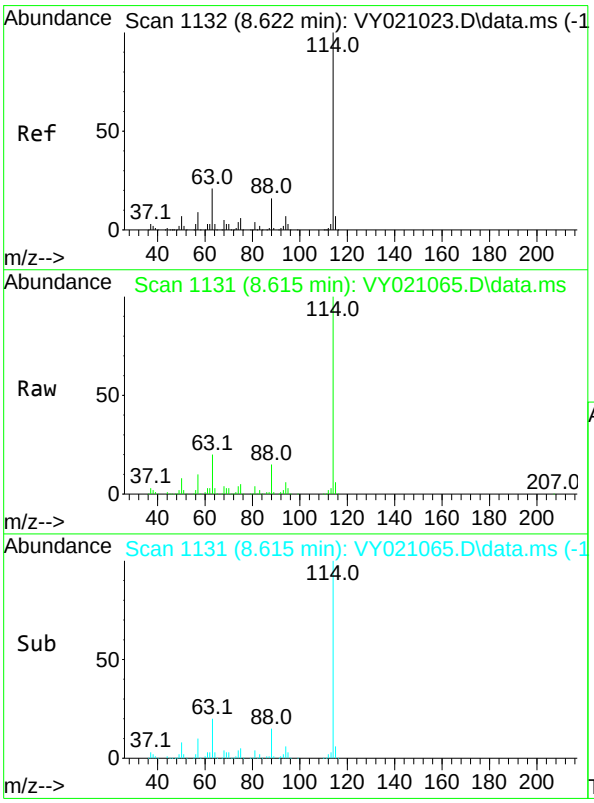
#33
1,2-Dichloroethane-d4
Concen: 69.492 ug/l
RT: 8.060 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

Tgt Ion: 65 Resp: 104258

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	109.0

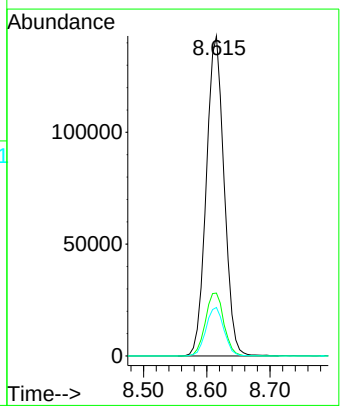


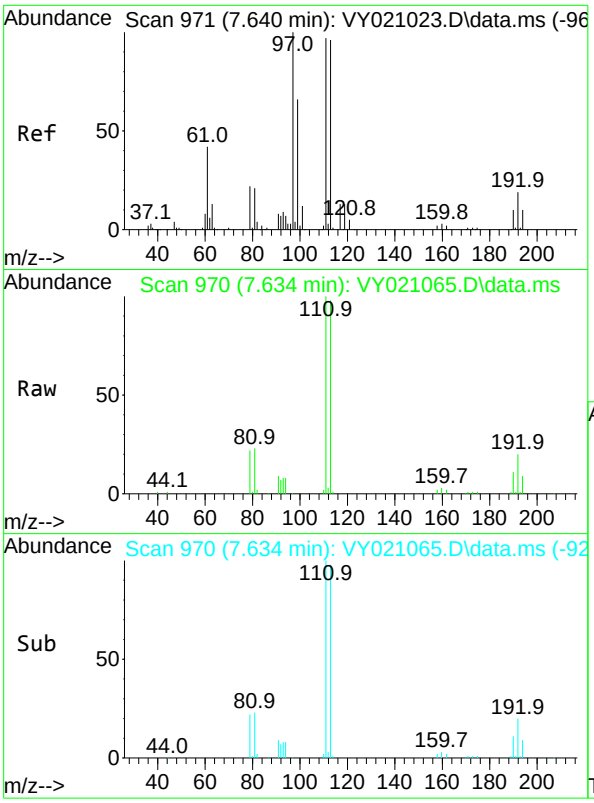


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.007 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Tgt Ion:114 Resp: 279661

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	37.4
88	15.2	0.0	29.0



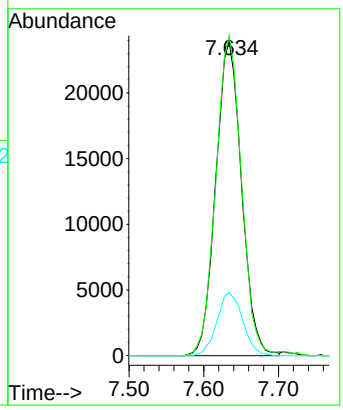


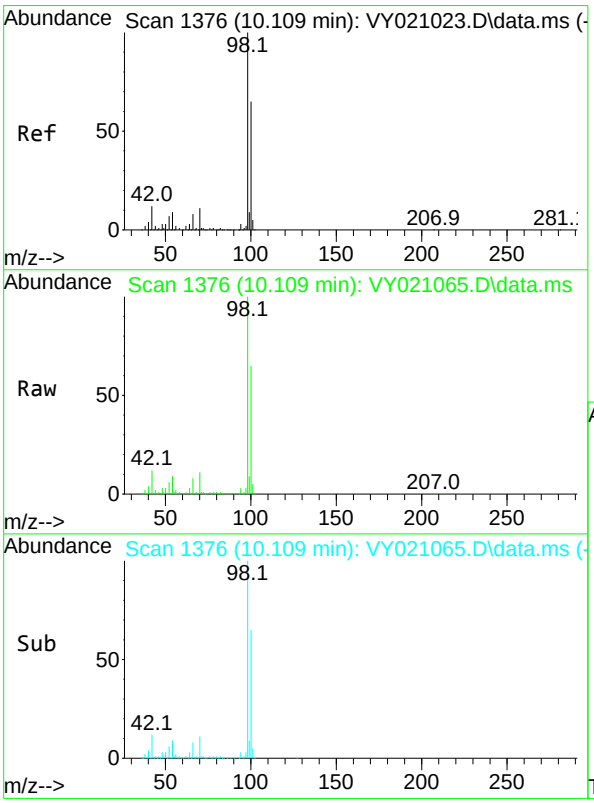
#35
Dibromofluoromethane
Concen: 32.050 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.007 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

Tgt Ion:113 Resp: 57442

Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.8	125.6
192	20.1	14.5	21.7

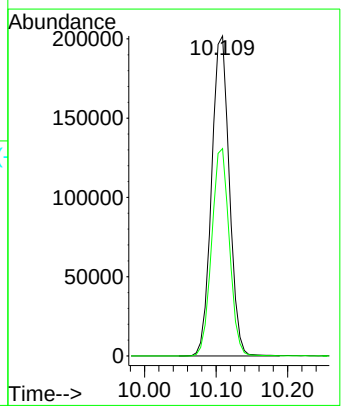


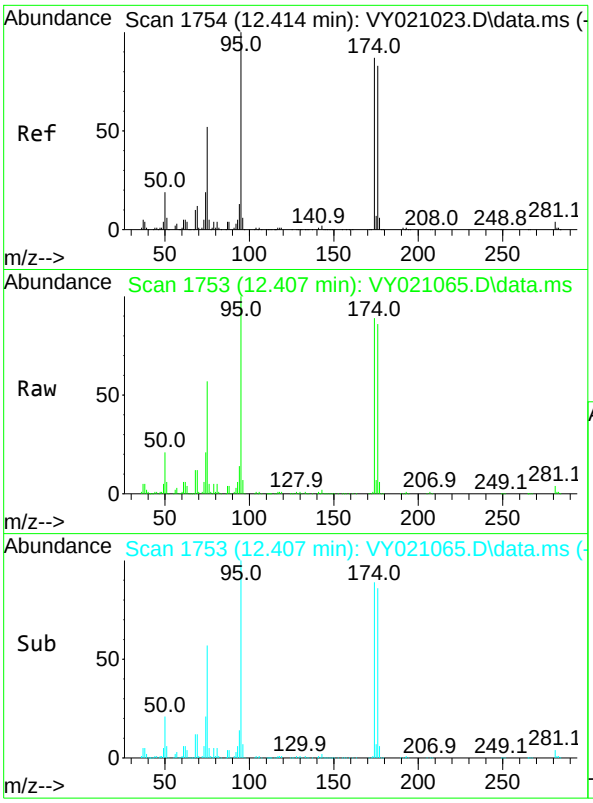


#50
Toluene-d8
Concen: 50.892 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Tgt Ion: 98 Resp: 347250

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.3	78.5



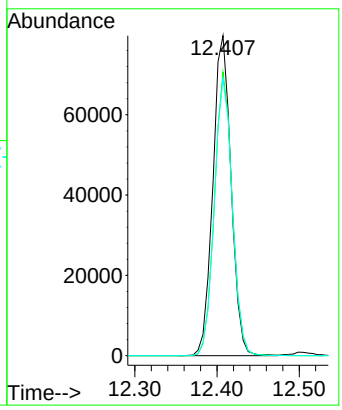


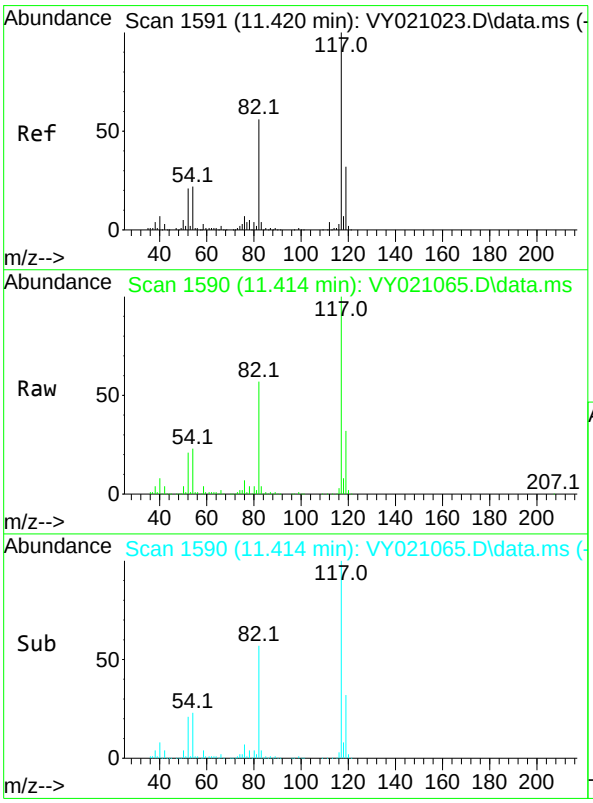
#62
4-Bromofluorobenzene
Concen: 55.024 ug/l
RT: 12.407 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

Tgt Ion: 95 Resp: 122654

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	160.0
176	85.6	0.0	151.8

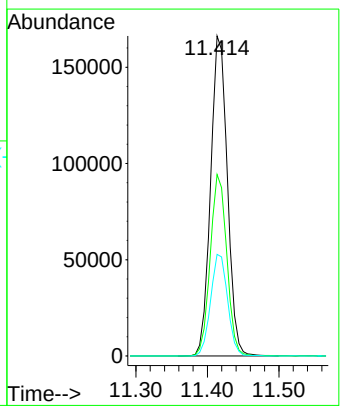


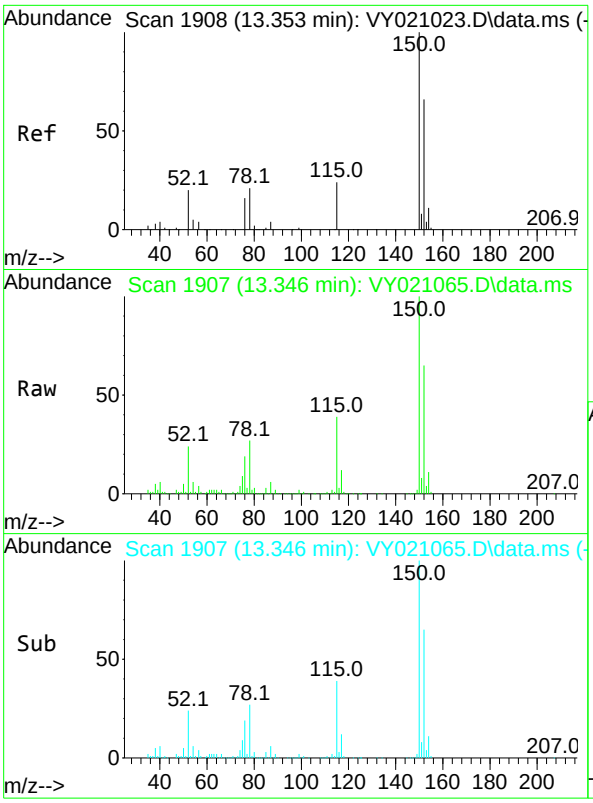


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.007 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Tgt Ion:117 Resp: 270362

Ion	Ratio	Lower	Upper
117	100		
82	56.7	43.8	65.8
119	31.7	26.5	39.7



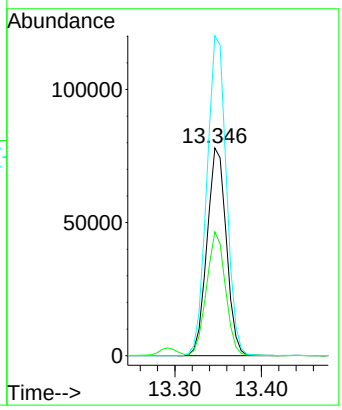


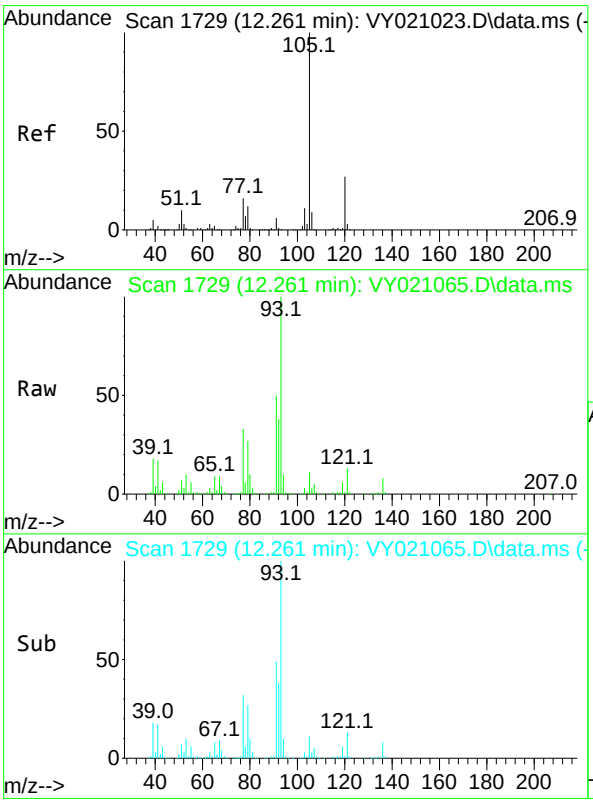
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

Tgt Ion:152 Resp: 120739

Ion	Ratio	Lower	Upper
152	100		
115	58.6	30.0	90.0
150	155.5	0.0	344.6

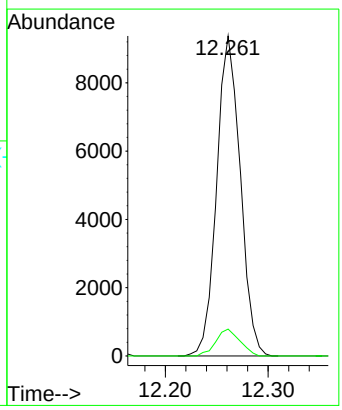


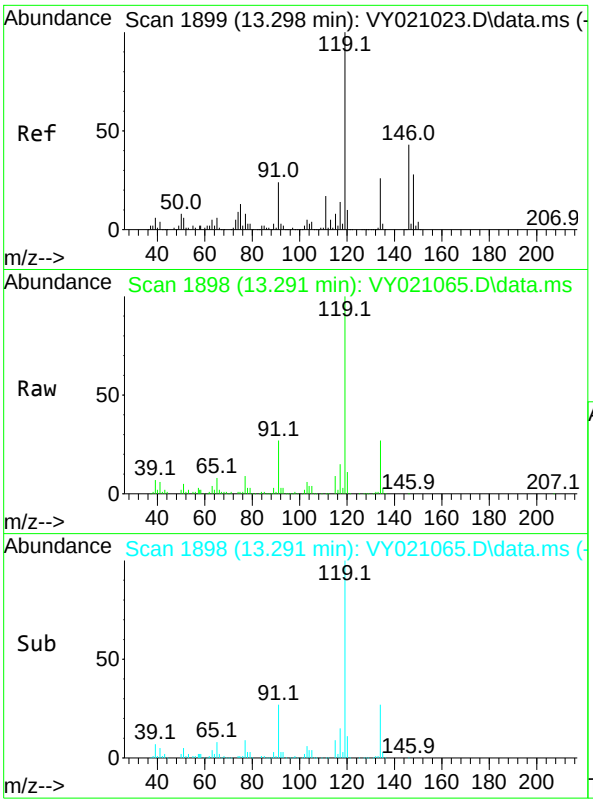


#73
Isopropylbenzene
Concen: 1.581 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. -0.000 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Tgt Ion:105 Resp: 14913

Ion	Ratio	Lower	Upper
105	100		
120	8.6	13.0	39.0#



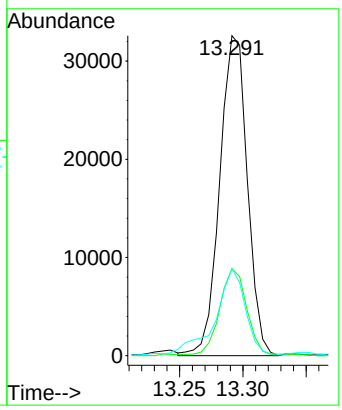


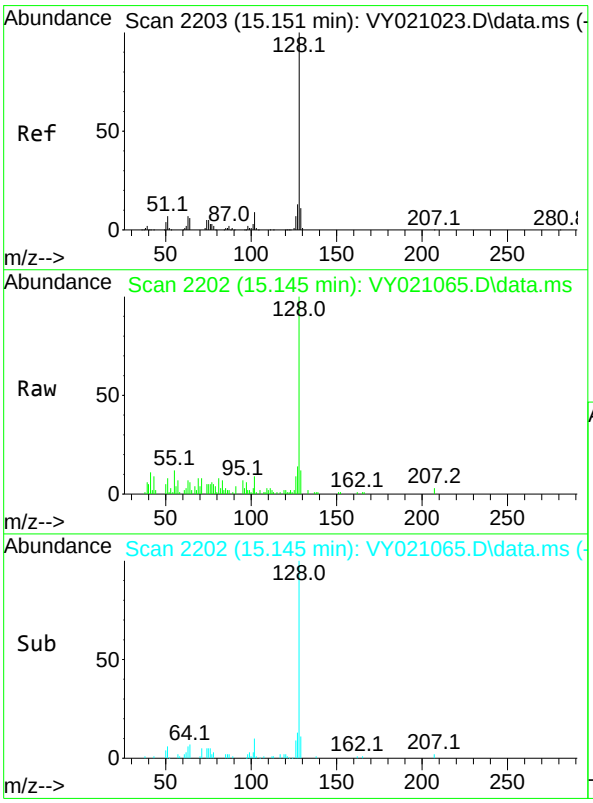
#86
p-Isopropyltoluene
Concen: 5.949 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

Tgt Ion:119 Resp: 49442

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	29.9	11.7	35.0

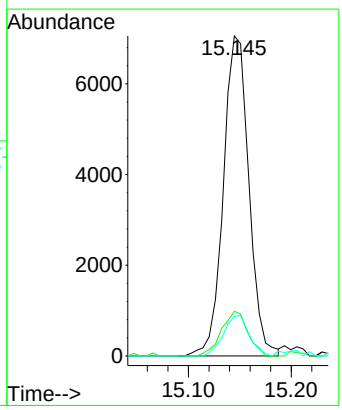




#95
Naphthalene
Concen: 3.742 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.007 min
Lab File: VY021065.D
Acq: 04 Feb 2025 17:47

Tgt Ion:128 Resp: 12154

Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.2	15.4
129	12.7	8.6	12.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021065.D
Acq On : 04 Feb 2025 17:47
Operator : SY/MD
Sample : Q1241-09
Misc : 10.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

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\82Y020325S.M
Title : SW846 8260

Signal : TIC: VY021065.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.866	343	352	363	rBV2	7145	21386	2.28%	0.325%
2	4.104	383	391	403	rBV	5643	14017	1.50%	0.213%
3	7.634	960	970	975	rBV	81657	191873	20.49%	2.918%
4	7.707	975	982	997	rVB	195602	444945	47.52%	6.767%
5	8.061	1030	1040	1053	rBV	131953	294246	31.42%	4.475%
6	8.615	1122	1131	1146	rBV	333038	664922	71.01%	10.112%
7	10.109	1368	1376	1383	rBV	538360	936350	100.00%	14.240%
8	11.414	1582	1590	1601	rBV	527225	855883	91.41%	13.017%
9	11.639	1616	1627	1636	rVB7	5484	14207	1.52%	0.216%
10	12.261	1721	1729	1736	rBV	382019	589196	62.92%	8.961%
11	12.407	1744	1753	1760	rBV	440953	695282	74.25%	10.574%
12	12.505	1765	1769	1776	rVB2	29893	50329	5.38%	0.765%
13	12.730	1797	1806	1814	rBV7	14134	43385	4.63%	0.660%
14	12.816	1815	1820	1827	rVV3	43654	84885	9.07%	1.291%
15	13.066	1853	1861	1868	rBV7	9613	22601	2.41%	0.344%
16	13.188	1873	1881	1886	rBV5	8898	18462	1.97%	0.281%
17	13.267	1886	1894	1895	rVV2	35967	60046	6.41%	0.913%
18	13.291	1895	1898	1902	rVV	96301	141097	15.07%	2.146%
19	13.346	1902	1907	1916	rVB	490644	754277	80.56%	11.471%
20	13.675	1954	1961	1965	rBV3	34562	57624	6.15%	0.876%
21	13.779	1971	1978	1980	rBV8	5177	10963	1.17%	0.167%
22	13.889	1990	1996	2001	rVB2	57037	91772	9.80%	1.396%
23	13.992	2009	2013	2018	rBV7	5810	11856	1.27%	0.180%
24	14.120	2030	2034	2038	rBV5	6377	11054	1.18%	0.168%
25	14.175	2038	2043	2050	rVV8	27204	60555	6.47%	0.921%
26	14.236	2050	2053	2059	rVV6	11695	21788	2.33%	0.331%
27	14.303	2059	2064	2066	rVV5	8142	12132	1.30%	0.185%
28	14.340	2066	2070	2075	rVV2	22171	35107	3.75%	0.534%
29	14.395	2075	2079	2086	rVB8	9135	15687	1.68%	0.239%
30	14.535	2098	2102	2109	rVB2	39383	52954	5.66%	0.805%
31	14.602	2109	2113	2117	rBV5	16429	28789	3.07%	0.438%
32	14.651	2117	2121	2127	rVB4	27949	44916	4.80%	0.683%
33	14.730	2128	2134	2135	rBV5	5615	10102	1.08%	0.154%
34	14.761	2136	2139	2143	rBV4	8461	13117	1.40%	0.199%
35	14.864	2150	2156	2160	rBV7	11585	20048	2.14%	0.305%
36	14.968	2168	2173	2176	rBV7	7884	17093	1.83%	0.260%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021065.D
Acq On : 04 Feb 2025 17:47
Operator : SY/MD
Sample : Q1241-09
Misc : 10.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

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\82Y020325S.M
Title : SW846 8260

37	15.047	2183	2186	2193	rVB5	13715	26762	2.86%	0.407%
38	15.132	2194	2200	2208	rBV3	17218	51752	5.53%	0.787%
39	15.346	2231	2235	2242	rVB2	20584	30053	3.21%	0.457%
40	15.449	2244	2252	2256	rVV9	4533	11666	1.25%	0.177%
41	15.504	2258	2261	2268	rVB8	6271	11241	1.20%	0.171%
42	15.931	2325	2331	2337	rVB10	8236	14299	1.53%	0.217%
43	16.370	2397	2403	2416	rVB10	5855	16643	1.78%	0.253%

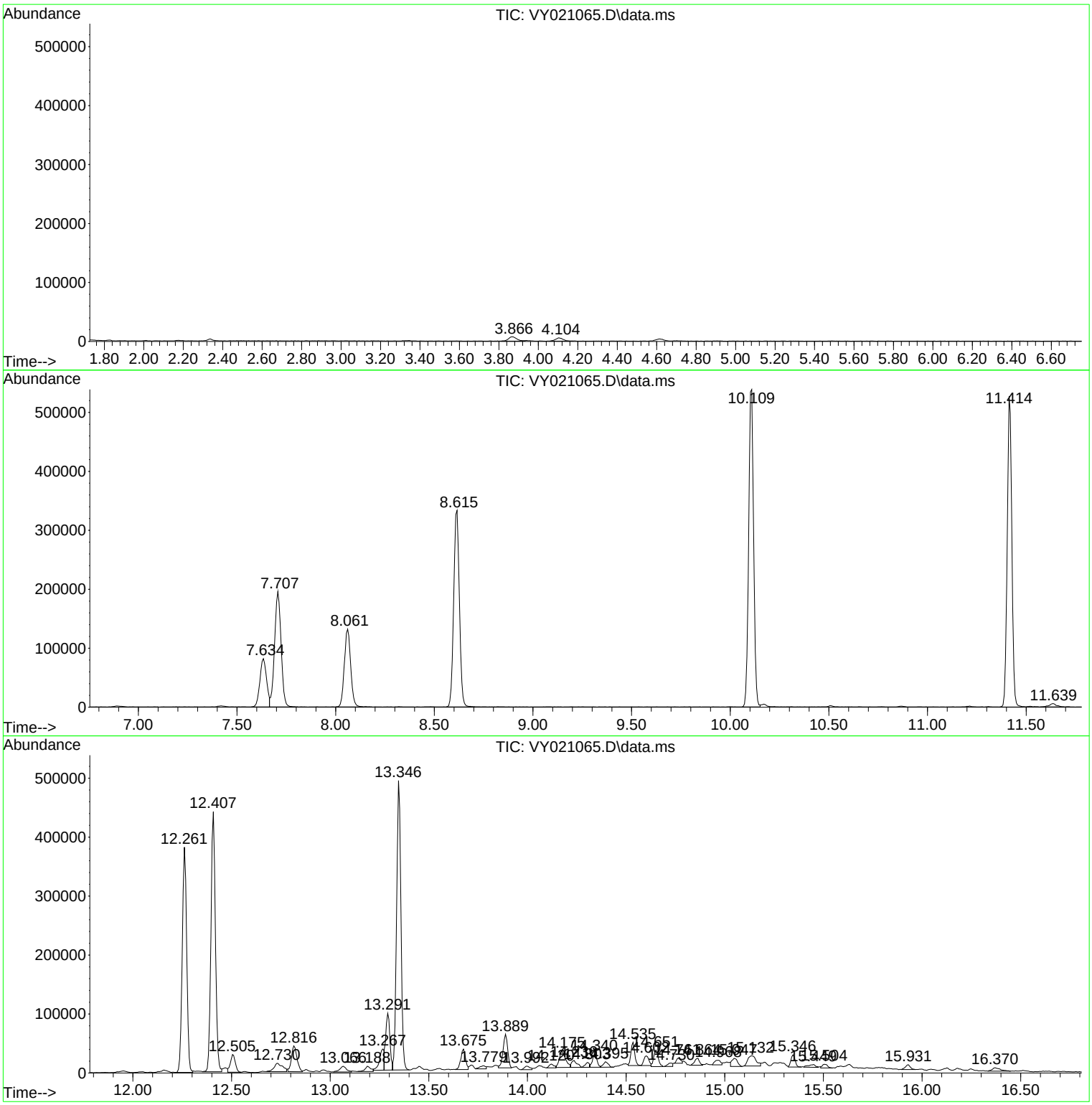
Sum of corrected areas: 6575362

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021065.D
Acq On : 04 Feb 2025 17:47
Operator : SY/MD
Sample : Q1241-09
Misc : 10.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021065.D
Acq On : 04 Feb 2025 17:47
Operator : SY/MD
Sample : Q1241-09
Misc : 10.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

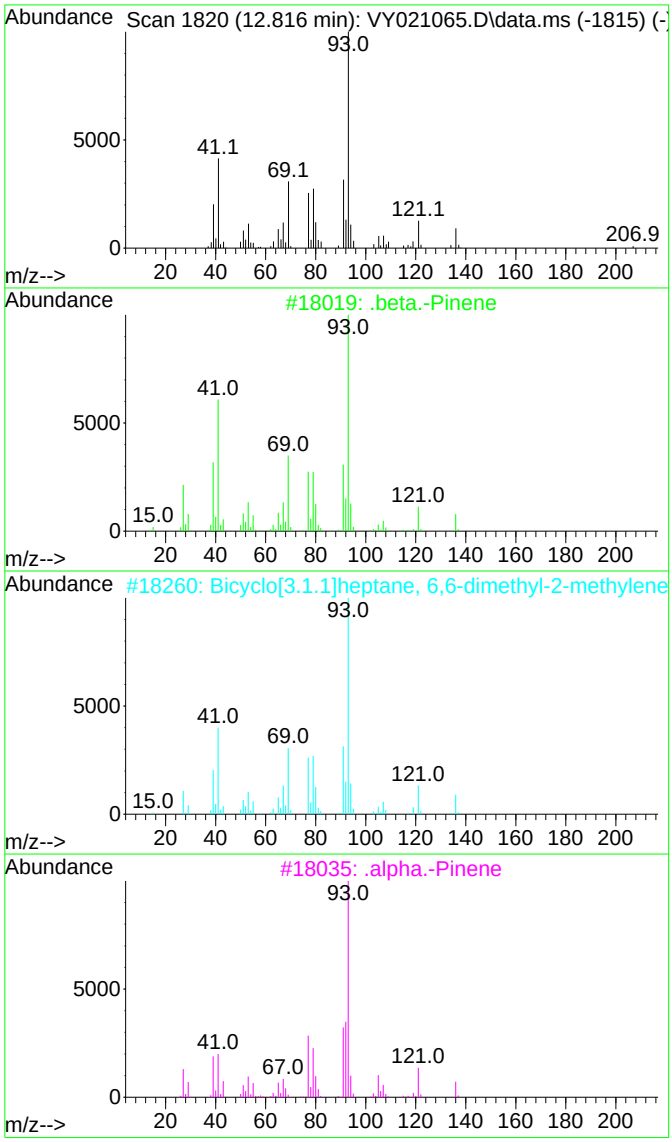
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

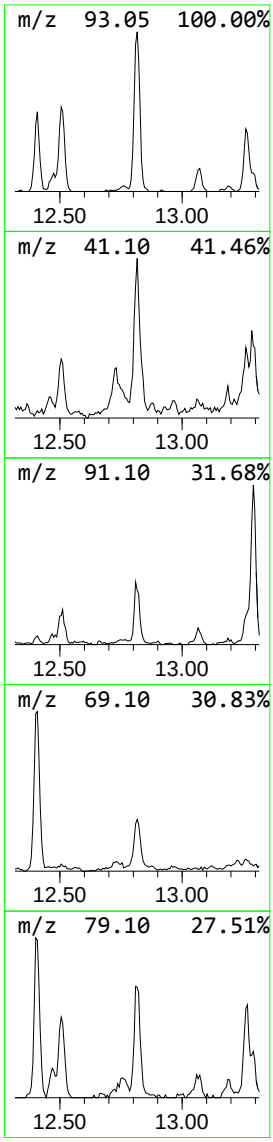
****

Peak Number 1 .beta.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.816	5.63 ug/l	84885	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	96
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	96
3	.alpha.-Pinene	136	C10H16	000080-56-8	93
4	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	90
5	.beta.-Myrcene	136	C10H16	000123-35-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021065.D
Acq On : 04 Feb 2025 17:47
Operator : SY/MD
Sample : Q1241-09
Misc : 10.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.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
.beta.-Pinene	12.816	5.6	ug/l	84885	4	13.346	754277	50.0

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87
Sample Wt/Vol:	10.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021066.D	1		02/04/25 18:10	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.90	U	0.95	2.90	ug/Kg
74-87-3	Chloromethane	2.90	U	0.66	2.90	ug/Kg
75-01-4	Vinyl Chloride	2.90	U	0.44	2.90	ug/Kg
74-83-9	Bromomethane	2.90	U	0.59	2.90	ug/Kg
75-00-3	Chloroethane	2.90	U	0.58	2.90	ug/Kg
75-69-4	Trichlorofluoromethane	2.90	U	0.52	2.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.90	U	0.61	2.90	ug/Kg
75-65-0	Tert butyl alcohol	14.3	U	8.90	14.3	ug/Kg
75-35-4	1,1-Dichloroethene	2.90	U	0.45	2.90	ug/Kg
67-64-1	Acetone	7.70	J	3.60	14.3	ug/Kg
75-15-0	Carbon Disulfide	2.90	U	0.73	2.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.90	U	0.38	2.90	ug/Kg
79-20-9	Methyl Acetate	2.90	U	1.00	2.90	ug/Kg
75-09-2	Methylene Chloride	5.70	U	2.00	5.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.90	U	0.48	2.90	ug/Kg
75-34-3	1,1-Dichloroethane	2.90	U	0.36	2.90	ug/Kg
110-82-7	Cyclohexane	2.90	U	0.40	2.90	ug/Kg
78-93-3	2-Butanone	14.3	U	3.30	14.3	ug/Kg
56-23-5	Carbon Tetrachloride	2.90	U	0.50	2.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.90	U	0.35	2.90	ug/Kg
74-97-5	Bromochloromethane	2.90	U	1.40	2.90	ug/Kg
67-66-3	Chloroform	2.90	U	0.38	2.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.90	U	0.45	2.90	ug/Kg
108-87-2	Methylcyclohexane	2.90	U	0.50	2.90	ug/Kg
71-43-2	Benzene	2.90	U	0.41	2.90	ug/Kg
107-06-2	1,2-Dichloroethane	2.90	U	0.35	2.90	ug/Kg
79-01-6	Trichloroethene	2.90	U	0.43	2.90	ug/Kg
78-87-5	1,2-Dichloropropane	2.90	U	0.38	2.90	ug/Kg
75-27-4	Bromodichloromethane	2.90	U	0.32	2.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.3	U	2.50	14.3	ug/Kg

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87
Sample Wt/Vol:	10.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021066.D	1		02/04/25 18:10	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	4.80		0.38	2.90	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.90	U	0.34	2.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.90	U	0.33	2.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.90	U	0.48	2.90	ug/Kg
591-78-6	2-Hexanone	14.3	U	2.70	14.3	ug/Kg
124-48-1	Dibromochloromethane	2.90	U	0.37	2.90	ug/Kg
106-93-4	1,2-Dibromoethane	2.90	U	0.45	2.90	ug/Kg
127-18-4	Tetrachloroethene	2.90	U	0.51	2.90	ug/Kg
108-90-7	Chlorobenzene	2.90	U	0.42	2.90	ug/Kg
100-41-4	Ethyl Benzene	2.90	U	0.36	2.90	ug/Kg
179601-23-1	m/p-Xylenes	0.88	J	0.77	5.70	ug/Kg
95-47-6	o-Xylene	2.90	U	0.40	2.90	ug/Kg
100-42-5	Styrene	2.90	U	0.34	2.90	ug/Kg
75-25-2	Bromoform	2.90	U	0.46	2.90	ug/Kg
98-82-8	Isopropylbenzene	2.90	U	0.38	2.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.90	U	0.63	2.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.90	U	0.42	2.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.90	U	0.46	2.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.90	U	0.34	2.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.90	U	0.89	2.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	0.45	2.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	0.45	2.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.1		50 - 163	130%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		54 - 147	107%	SPK: 50
2037-26-5	Toluene-d8	50.9		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		29 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	7.707			
540-36-3	1,4-Difluorobenzene	293000	8.616			
3114-55-4	Chlorobenzene-d5	278000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	112000	13.346			

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87
Sample Wt/Vol:	10.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021066.D	1		02/04/25 18:10	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TENTATIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene	4.10	J		1.82	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021066.D
Acq On : 04 Feb 2025 18:10
Operator : SY/MD
Sample : Q1241-13
Misc : 10.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.4-013025

Quant Time: Feb 05 00:50:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

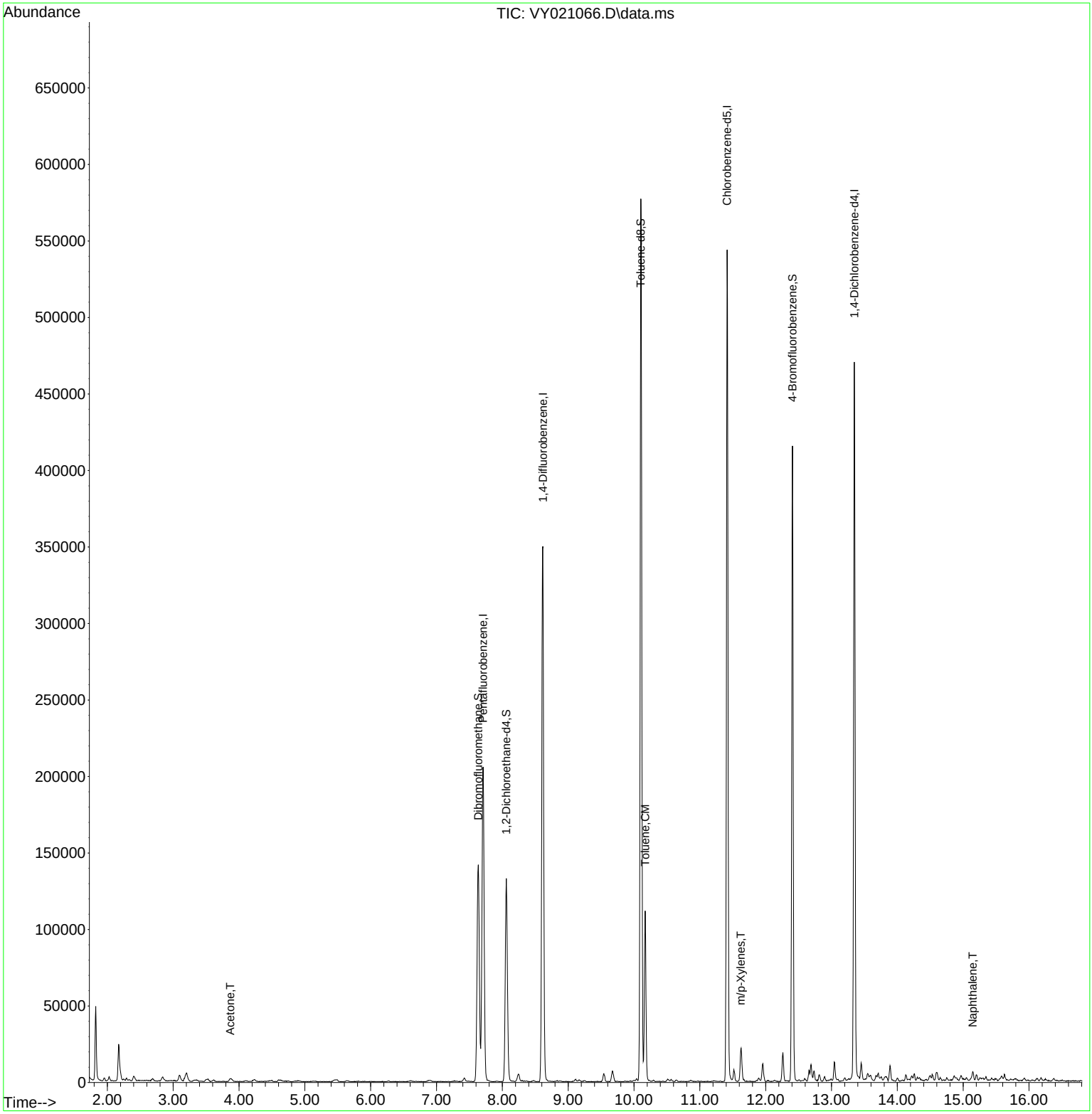
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	156172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	292974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	111742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104156	65.093	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.180%			
35) Dibromofluoromethane	7.634	113	99999	53.260	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.520%			
50) Toluene-d8	10.103	98	363665	50.876	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.760%			
62) 4-Bromofluorobenzene	12.408	95	120158	51.454	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.900%			
Target Compounds						Qvalue
16) Acetone	3.866	43	3369	13.501	ug/l #	88
52) Toluene	10.170	92	42823	8.357	ug/l	100
68) m/p-Xylenes	11.621	106	6279	1.534	ug/l	89
95) Naphthalene	15.145	128	3979	1.324	ug/l	98

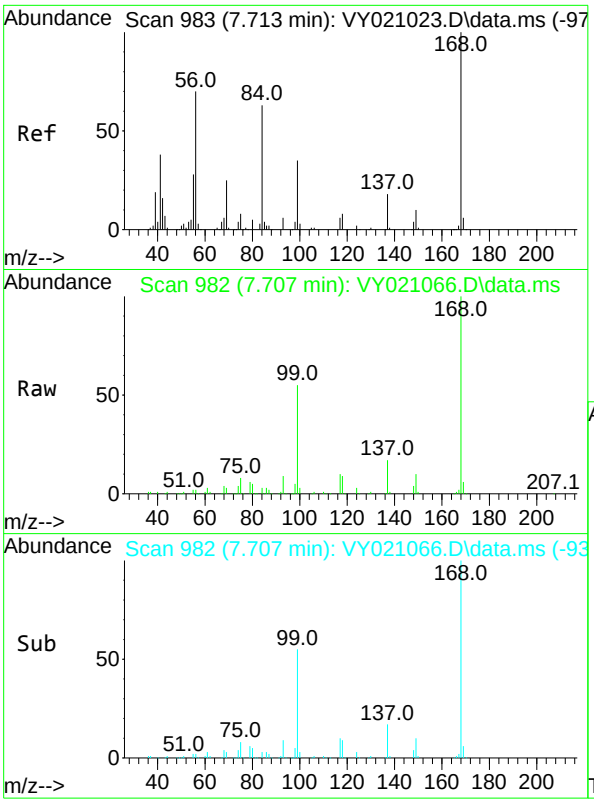
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021066.D
Acq On : 04 Feb 2025 18:10
Operator : SY/MD
Sample : Q1241-13
Misc : 10.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.4-013025

Quant Time: Feb 05 00:50:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



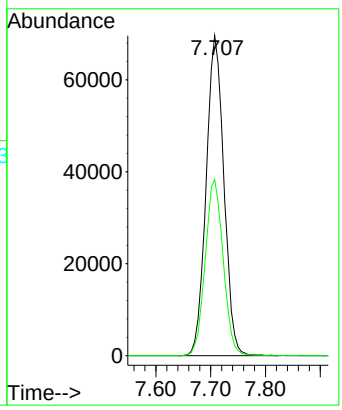


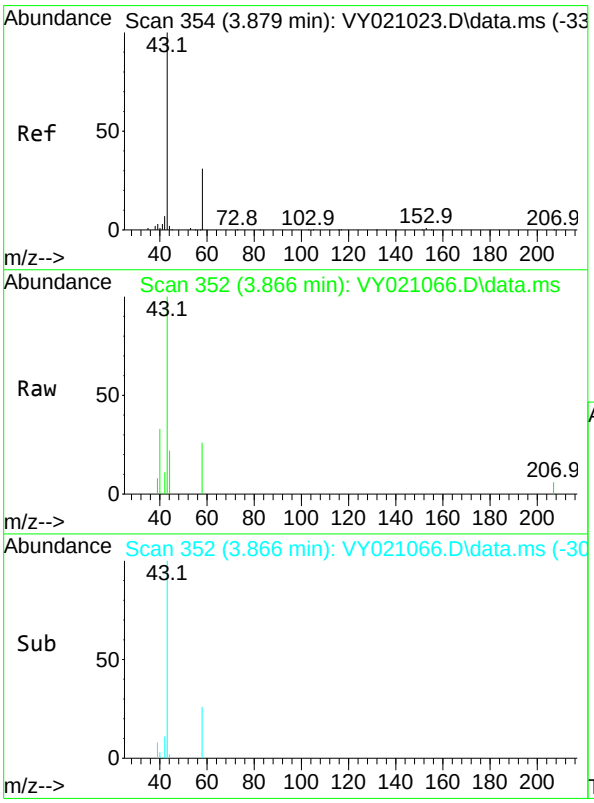
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.4-013025

Tgt Ion:168 Resp: 156172

Ion	Ratio	Lower	Upper
168	100		
99	55.1	44.2	66.4

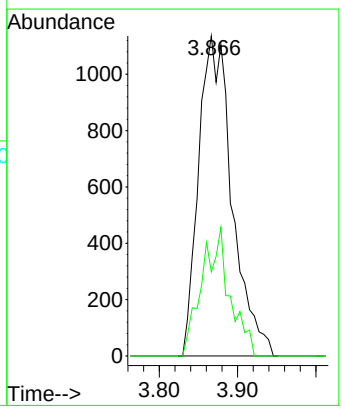


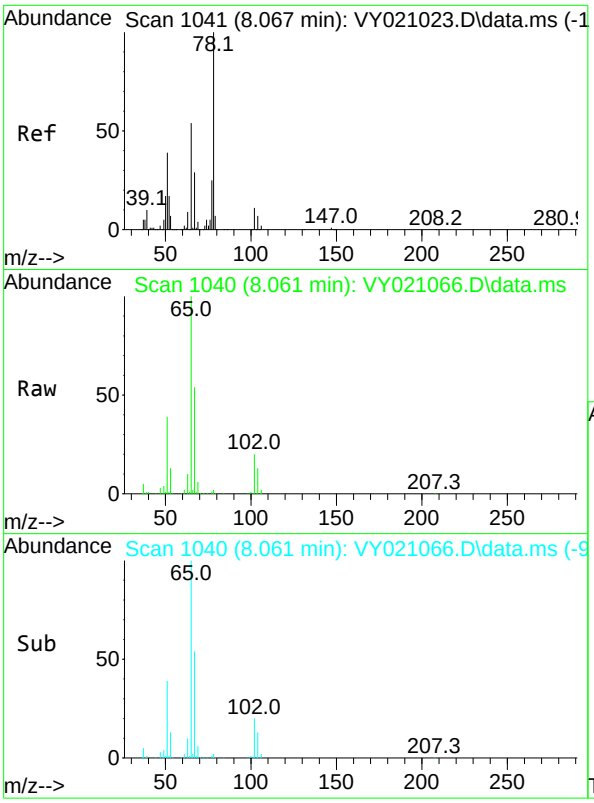


#16
Acetone
Concen: 13.501 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Tgt Ion: 43 Resp: 3369

Ion	Ratio	Lower	Upper
43	100		
58	26.3	26.6	39.8#



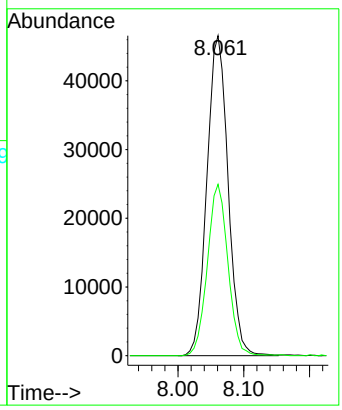


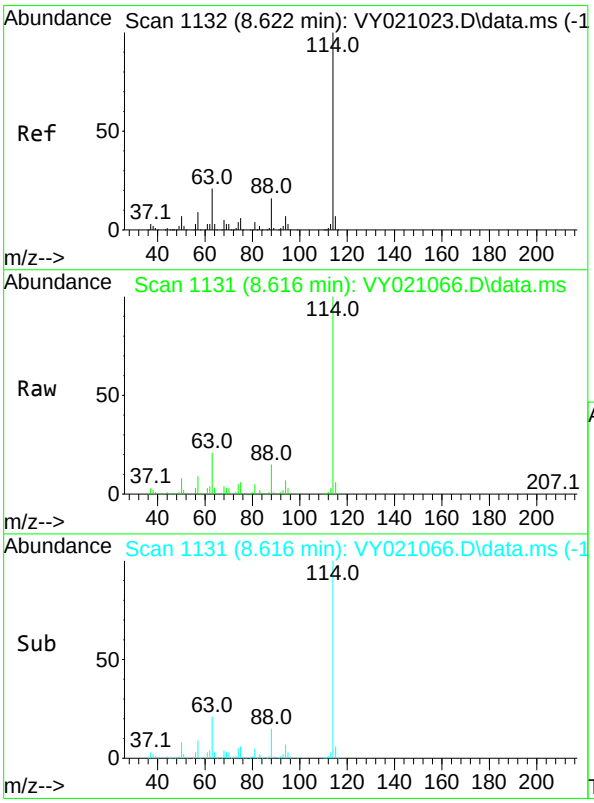
#33
1,2-Dichloroethane-d4
Concen: 65.093 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.4-013025

Tgt Ion: 65 Resp: 104156

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	109.0

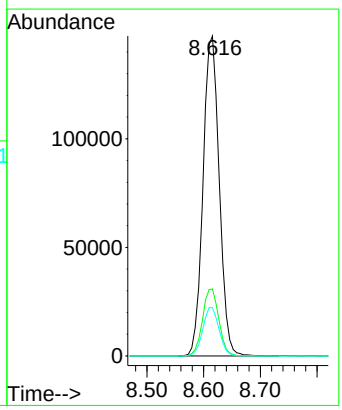


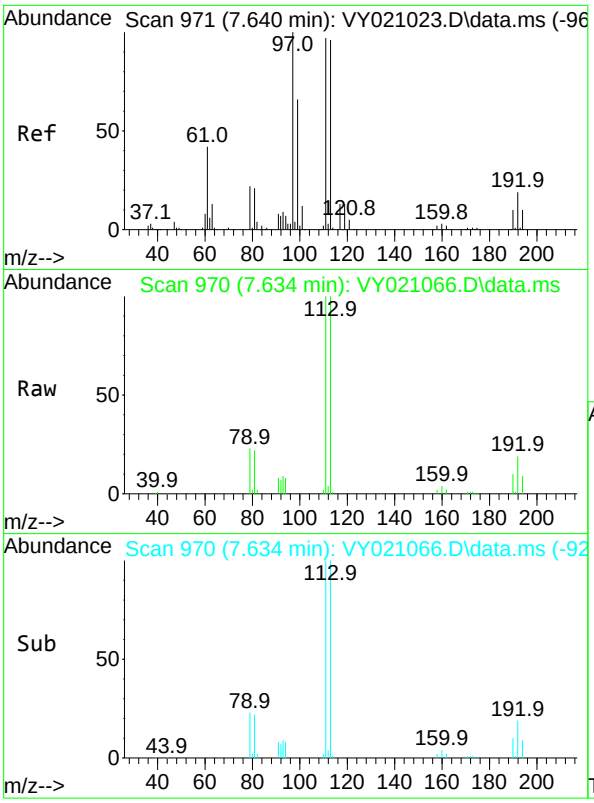


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Tgt Ion:114 Resp: 292974

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	37.4
88	15.1	0.0	29.0



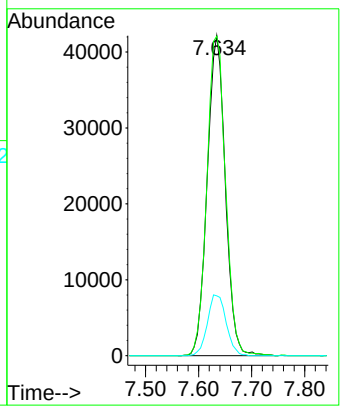


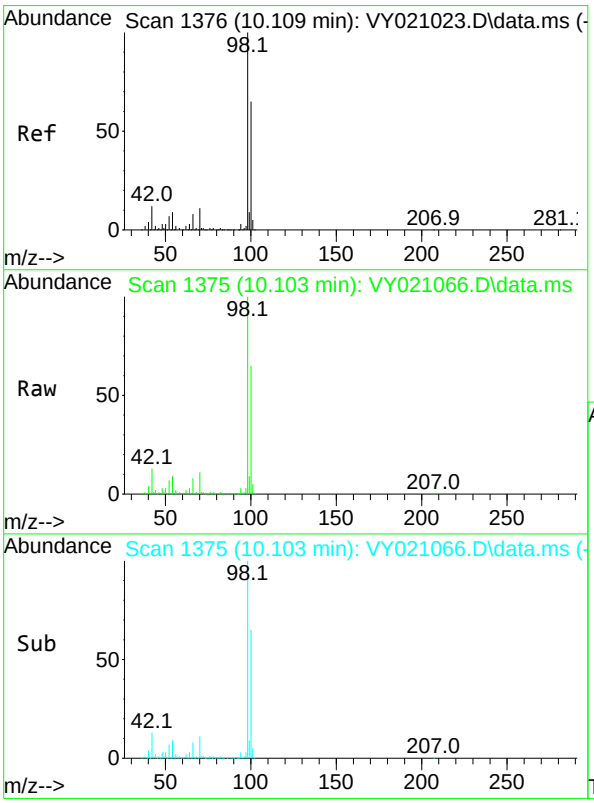
#35
Dibromofluoromethane
Concen: 53.260 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.4-013025

Tgt Ion:113 Resp: 99999

Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.8	125.6
192	19.6	14.5	21.7

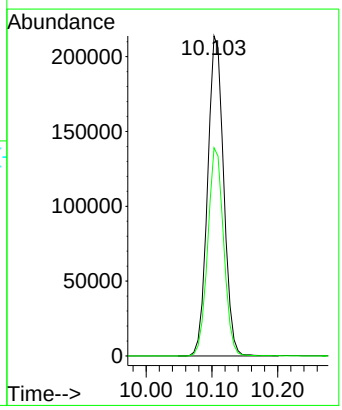


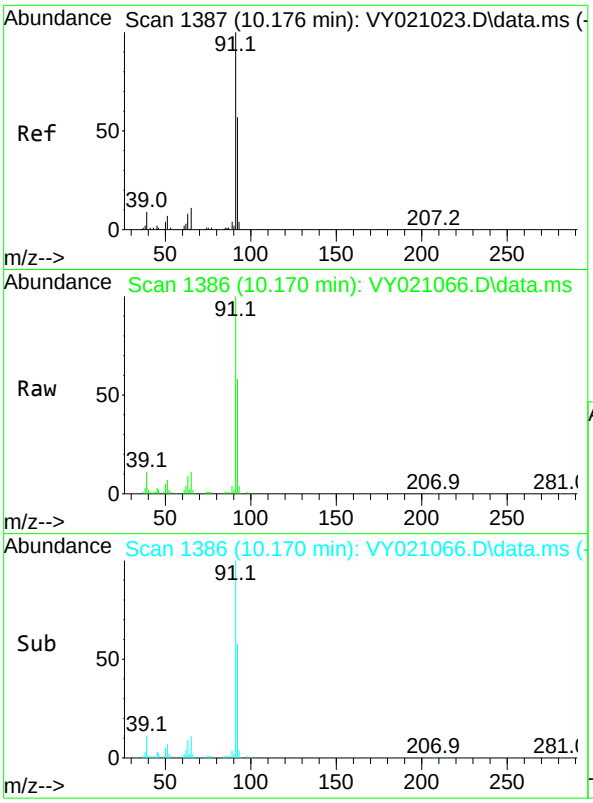


#50
Toluene-d8
Concen: 50.876 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Tgt Ion: 98 Resp: 363665

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.3	78.5



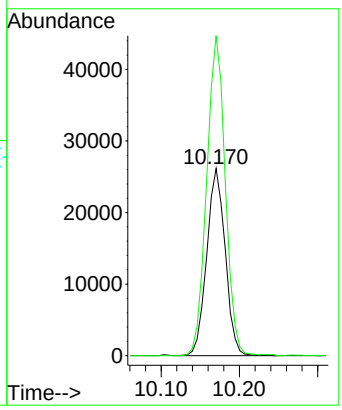


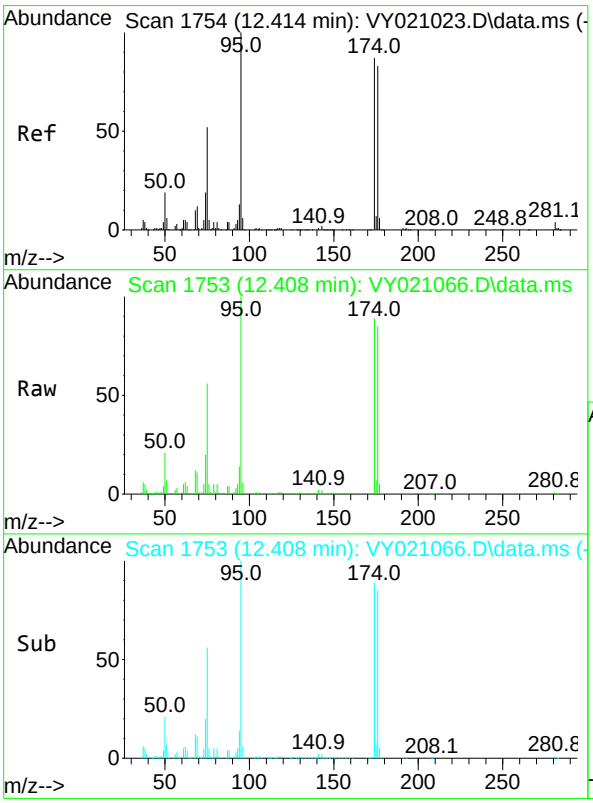
#52
Toluene
Concen: 8.357 ug/l
RT: 10.170 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.4-013025

Tgt Ion: 92 Resp: 42823

Ion	Ratio	Lower	Upper
92	100		
91	172.2	137.6	206.4

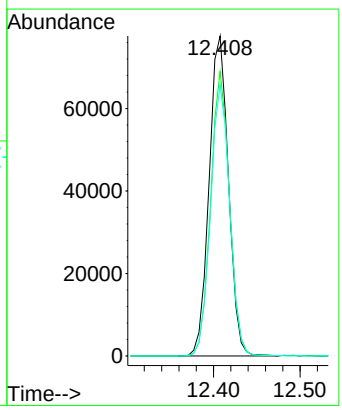


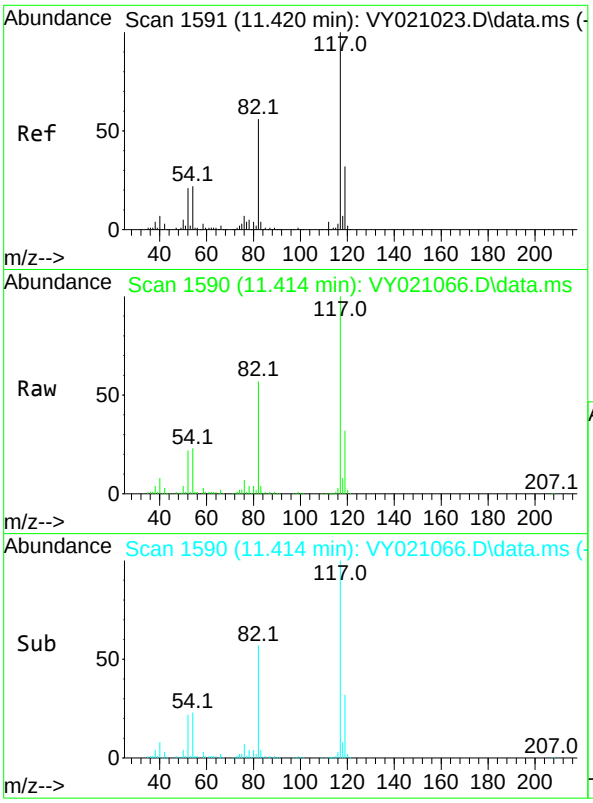


#62
4-Bromofluorobenzene
Concen: 51.454 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Tgt Ion: 95 Resp: 120158

Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	160.0
176	84.1	0.0	151.8



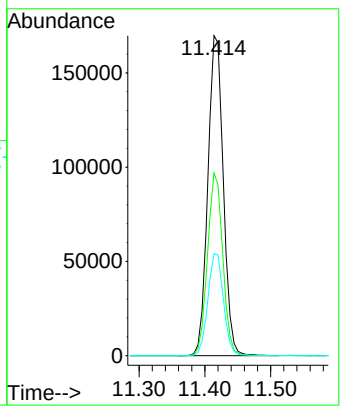


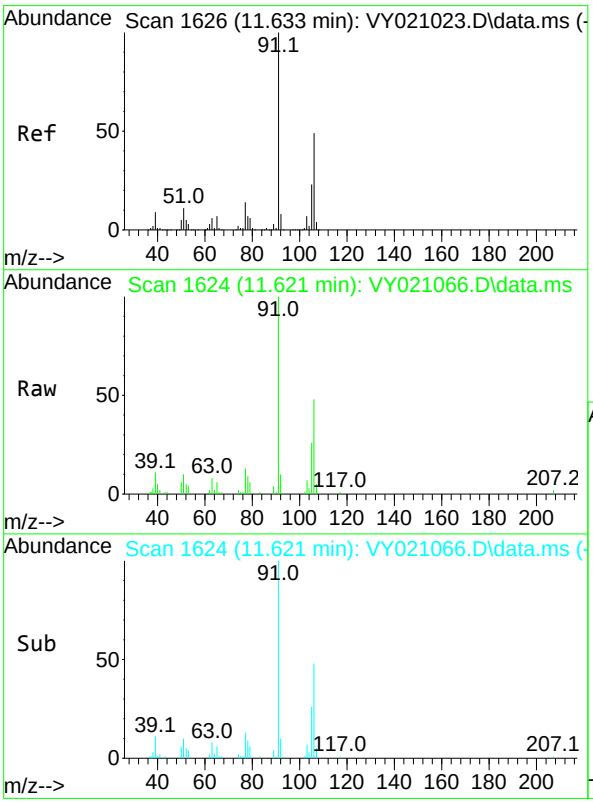
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.4-013025

Tgt Ion:117 Resp: 277904

Ion	Ratio	Lower	Upper
117	100		
82	57.1	43.8	65.8
119	31.9	26.5	39.7

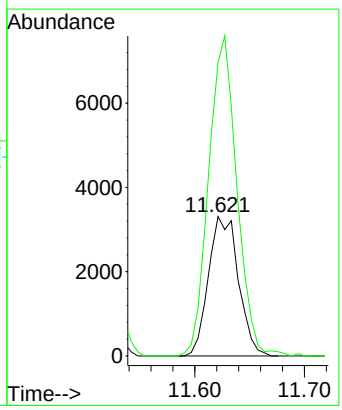


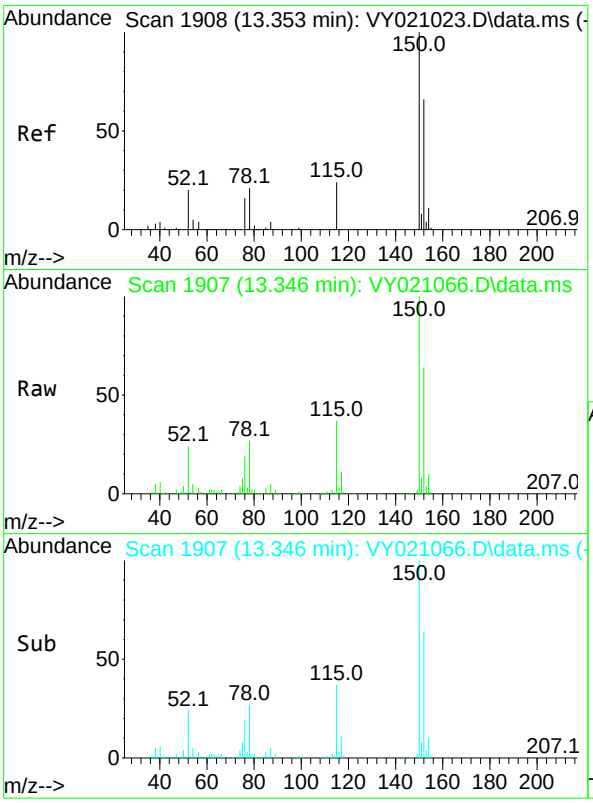


#68
m/p-Xylenes
Concen: 1.534 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Tgt Ion:106 Resp: 6279

Ion	Ratio	Lower	Upper
106	100		
91	217.1	160.7	241.1



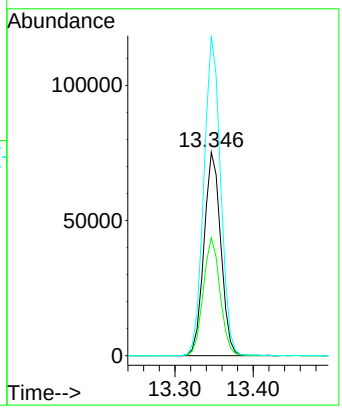


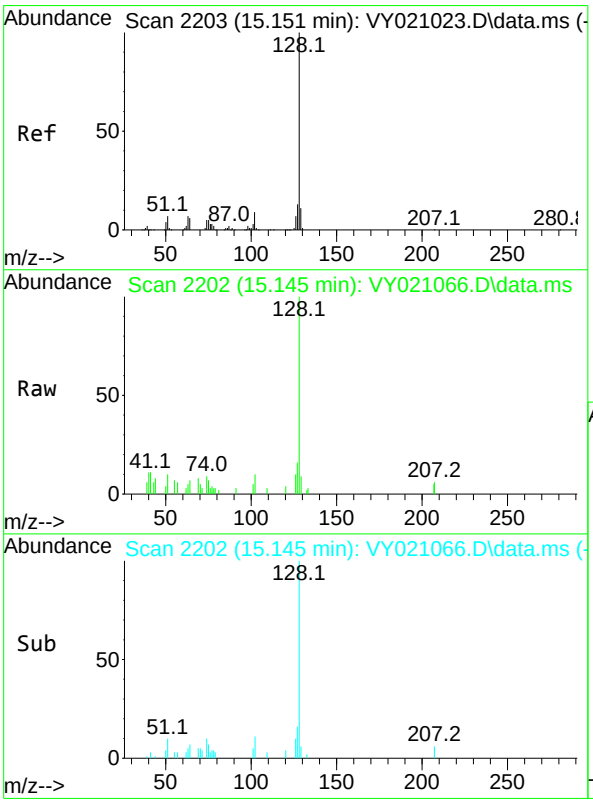
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.4-013025

Tgt Ion:152 Resp: 111742

Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.0	90.0
150	156.8	0.0	344.6

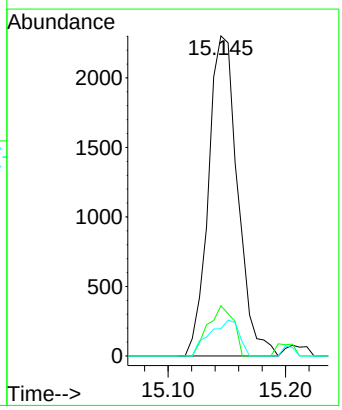




#95
Naphthalene
Concen: 1.324 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Tgt Ion:128 Resp: 3979

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	11.4	8.6	12.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021066.D
Acq On : 04 Feb 2025 18:10
Operator : SY/MD
Sample : Q1241-13
Misc : 10.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.4-013025

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\82Y020325S.M
Title : SW846 8260

Signal : TIC: VY021066.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	10	17	27	rVB	48296	66469	6.81%	1.189%
2	2.172	67	74	84	rBV2	24041	45605	4.67%	0.816%
3	3.202	235	243	252	rVB6	5431	15200	1.56%	0.272%
4	7.634	959	970	976	rBV	141752	343941	35.21%	6.153%
5	7.707	976	982	992	rVB	204887	462522	47.36%	8.274%
6	8.061	1030	1040	1052	rBV	132843	298943	30.61%	5.348%
7	8.244	1062	1070	1076	rBV4	4792	11516	1.18%	0.206%
8	8.616	1122	1131	1144	rBV	349907	701246	71.80%	12.545%
9	9.542	1275	1283	1291	rBV2	5152	10297	1.05%	0.184%
10	9.670	1298	1304	1312	rVB3	6903	15053	1.54%	0.269%
11	10.103	1368	1375	1381	rBV	576328	976699	100.00%	17.473%
12	10.170	1381	1386	1394	rVB	110818	183500	18.79%	3.283%
13	11.414	1583	1590	1602	rBV	543454	882619	90.37%	15.790%
14	11.517	1602	1607	1616	rVB2	7731	13001	1.33%	0.233%
15	11.627	1616	1625	1631	rBV	21676	42238	4.32%	0.756%
16	11.956	1673	1679	1686	rVB3	11784	21750	2.23%	0.389%
17	12.261	1722	1729	1735	rBV	18979	31593	3.23%	0.565%
18	12.408	1744	1753	1764	rBV	415388	650130	66.56%	11.631%
19	12.658	1789	1794	1796	rBV	7159	10264	1.05%	0.184%
20	12.688	1796	1799	1803	rVV2	10827	16996	1.74%	0.304%
21	12.737	1803	1807	1813	rVV4	6630	10968	1.12%	0.196%
22	13.042	1852	1857	1864	rBV	11978	18794	1.92%	0.336%
23	13.346	1896	1907	1920	rBV	468854	705529	72.24%	12.622%
24	13.450	1920	1924	1931	rVB	10990	16859	1.73%	0.302%
25	13.889	1991	1996	2001	rBV3	9917	15981	1.64%	0.286%
26	14.596	2107	2112	2118	rBV3	5108	10795	1.11%	0.193%
27	15.145	2193	2202	2207	rBV2	5612	11341	1.16%	0.203%

Sum of corrected areas: 5589849

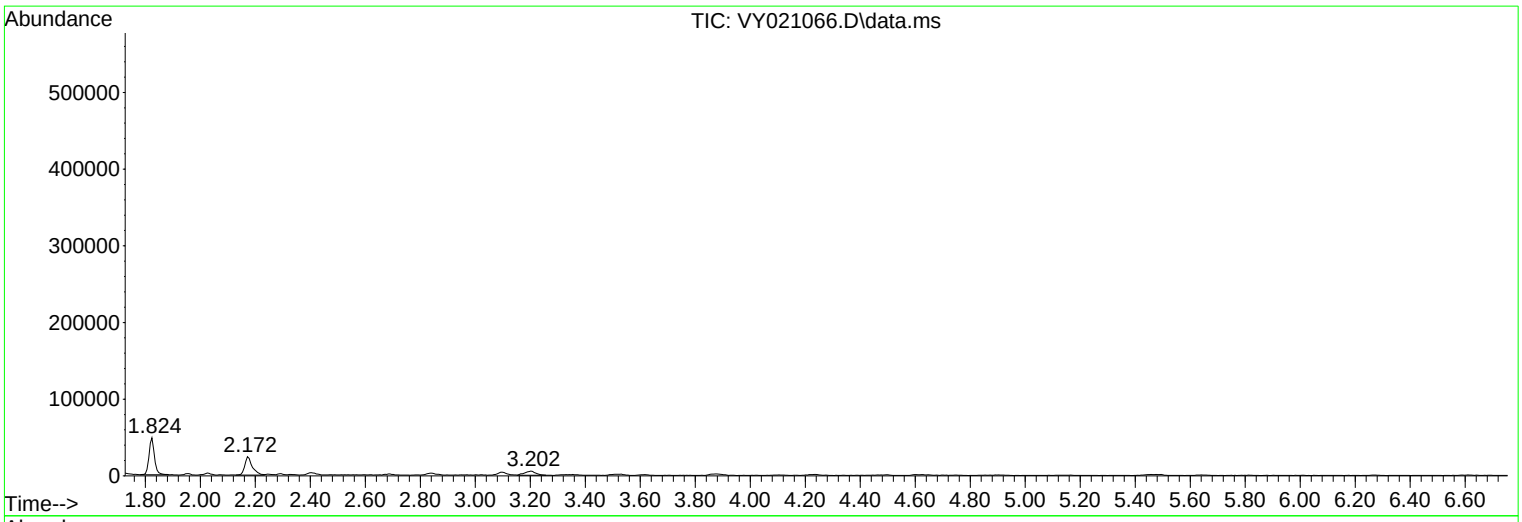
Sample Results: **VY021066.D**

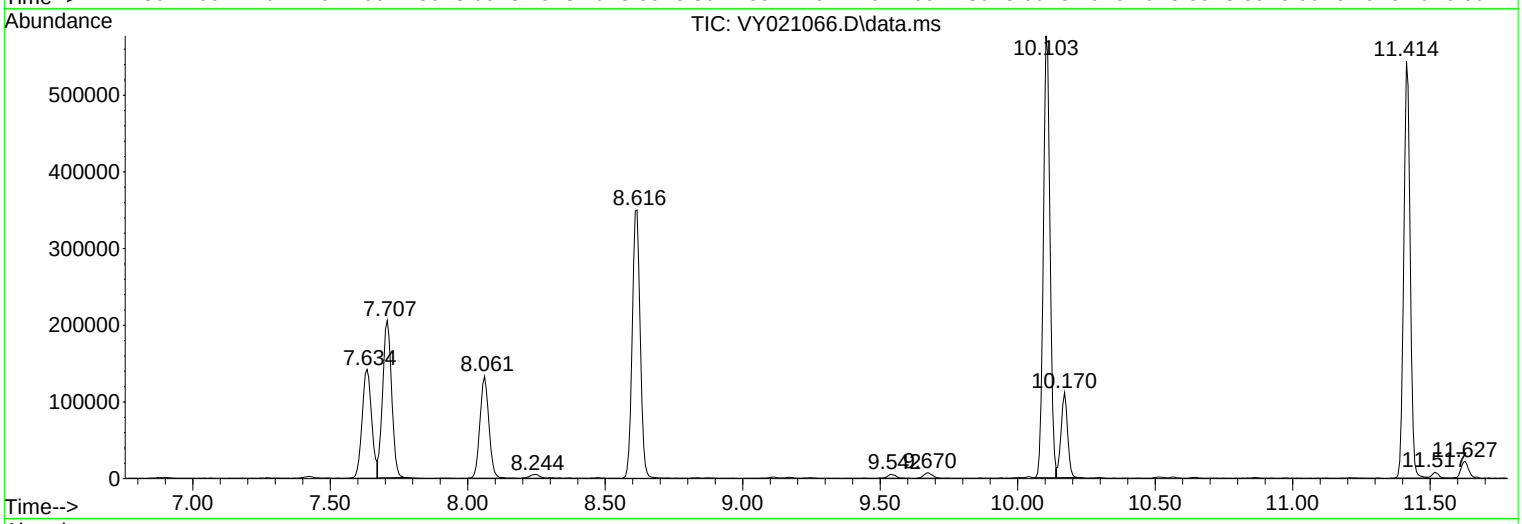
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021066.D
Acq On : 04 Feb 2025 18:10
Operator : SY/MD
Sample : Q1241-13
Misc : 10.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

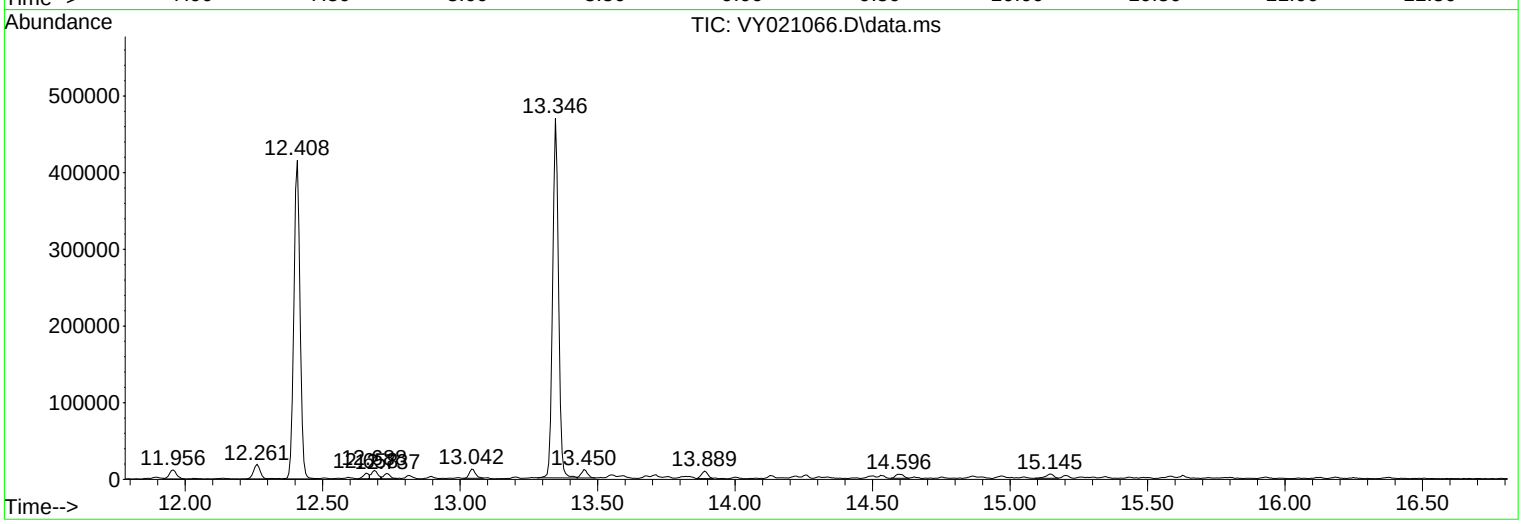
Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.4-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021066.D
Acq On : 04 Feb 2025 18:10
Operator : SY/MD
Sample : Q1241-13
Misc : 10.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.4-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

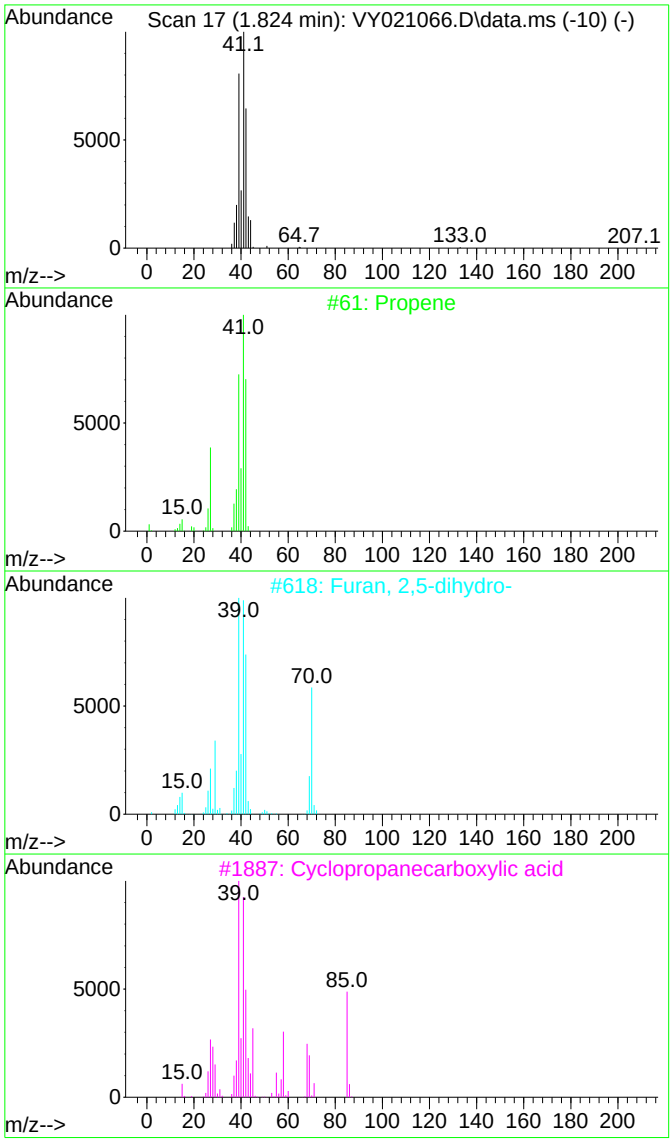
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

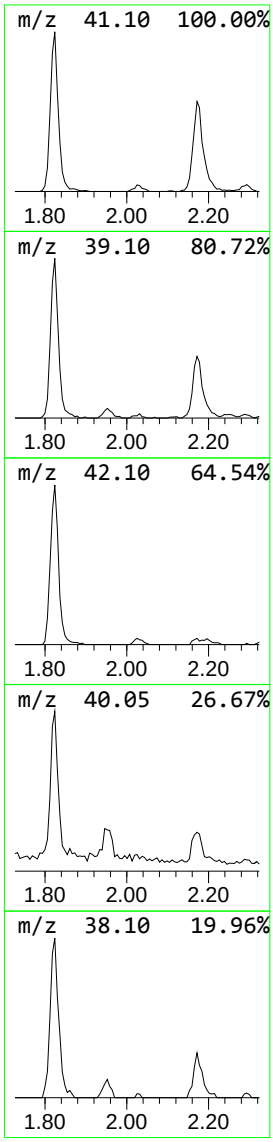
****

Peak Number 1 Propene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.824	7.19 ug/l	66469	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	83
3	Cyclopropanecarboxylic acid	86	C4H6O2	001759-53-1	83
4	N-Methyl-7-azabicyclo(2,2,1)hept...	109	C7H11N	055590-26-6	64
5	2H-Pyran-2-one	96	C5H4O2	000504-31-4	56





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021066.D
Acq On : 04 Feb 2025 18:10
Operator : SY/MD
Sample : Q1241-13
Misc : 10.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5.4-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.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
Propene	1.824	7.2	ug/l	66469	1	7.707	462522	50.0

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.3
Sample Wt/Vol:	10.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021067.D	1		02/04/25 18:33	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.50	U	0.83	2.50	ug/Kg
74-87-3	Chloromethane	2.50	U	0.58	2.50	ug/Kg
75-01-4	Vinyl Chloride	2.50	U	0.39	2.50	ug/Kg
74-83-9	Bromomethane	2.50	U	0.52	2.50	ug/Kg
75-00-3	Chloroethane	2.50	U	0.51	2.50	ug/Kg
75-69-4	Trichlorofluoromethane	2.50	U	0.46	2.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	0.54	2.50	ug/Kg
75-65-0	Tert butyl alcohol	12.6	U	7.80	12.6	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	0.39	2.50	ug/Kg
67-64-1	Acetone	12.6	U	3.10	12.6	ug/Kg
75-15-0	Carbon Disulfide	2.50	U	0.64	2.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.34	2.50	ug/Kg
79-20-9	Methyl Acetate	2.50	U	0.91	2.50	ug/Kg
75-09-2	Methylene Chloride	5.00	U	1.70	5.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.42	2.50	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.32	2.50	ug/Kg
110-82-7	Cyclohexane	2.50	U	0.35	2.50	ug/Kg
78-93-3	2-Butanone	12.6	U	2.90	12.6	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.44	2.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.31	2.50	ug/Kg
74-97-5	Bromochloromethane	2.50	U	1.20	2.50	ug/Kg
67-66-3	Chloroform	2.50	U	0.34	2.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.39	2.50	ug/Kg
108-87-2	Methylcyclohexane	2.50	U	0.44	2.50	ug/Kg
71-43-2	Benzene	2.50	U	0.36	2.50	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.31	2.50	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.38	2.50	ug/Kg
78-87-5	1,2-Dichloropropane	2.50	U	0.33	2.50	ug/Kg
75-27-4	Bromodichloromethane	2.50	U	0.28	2.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.6	U	2.20	12.6	ug/Kg

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.3
Sample Wt/Vol:	10.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021067.D	1		02/04/25 18:33	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	2.50	U	0.34	2.50	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.50	U	0.30	2.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.50	U	0.29	2.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.50	U	0.42	2.50	ug/Kg
591-78-6	2-Hexanone	12.6	U	2.40	12.6	ug/Kg
124-48-1	Dibromochloromethane	2.50	U	0.33	2.50	ug/Kg
106-93-4	1,2-Dibromoethane	2.50	U	0.40	2.50	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	0.45	2.50	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.37	2.50	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.31	2.50	ug/Kg
179601-23-1	m/p-Xylenes	5.00	U	0.68	5.00	ug/Kg
95-47-6	o-Xylene	2.50	U	0.35	2.50	ug/Kg
100-42-5	Styrene	2.50	U	0.30	2.50	ug/Kg
75-25-2	Bromoform	2.50	U	0.41	2.50	ug/Kg
98-82-8	Isopropylbenzene	2.50	U	0.34	2.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	0.55	2.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	0.37	2.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	0.40	2.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	0.30	2.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.50	U	0.78	2.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	0.40	2.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	0.39	2.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	67.3		50 - 163	135%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		54 - 147	107%	SPK: 50
2037-26-5	Toluene-d8	51.2		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		29 - 146	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	155000	7.707			
540-36-3	1,4-Difluorobenzene	289000	8.616			
3114-55-4	Chlorobenzene-d5	278000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	110000	13.346			

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.3
Sample Wt/Vol:	10.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021067.D	1		02/04/25 18:33	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TENTATIVE IDENTIFIED COMPOUNDS						
000080-56-8	.alpha.-Pinene	5.90	J		12.3	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021067.D
Acq On : 04 Feb 2025 18:33
Operator : SY/MD
Sample : Q1241-17
Misc : 10.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-51.4-013025

Quant Time: Feb 05 00:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	155127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	289464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	109757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	107034	67.342	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.680%			
35) Dibromofluoromethane	7.634	113	99670	53.728	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.460%			
50) Toluene-d8	10.103	98	361334	51.163	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.320%			
62) 4-Bromofluorobenzene	12.408	95	123839	53.674	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.340%			

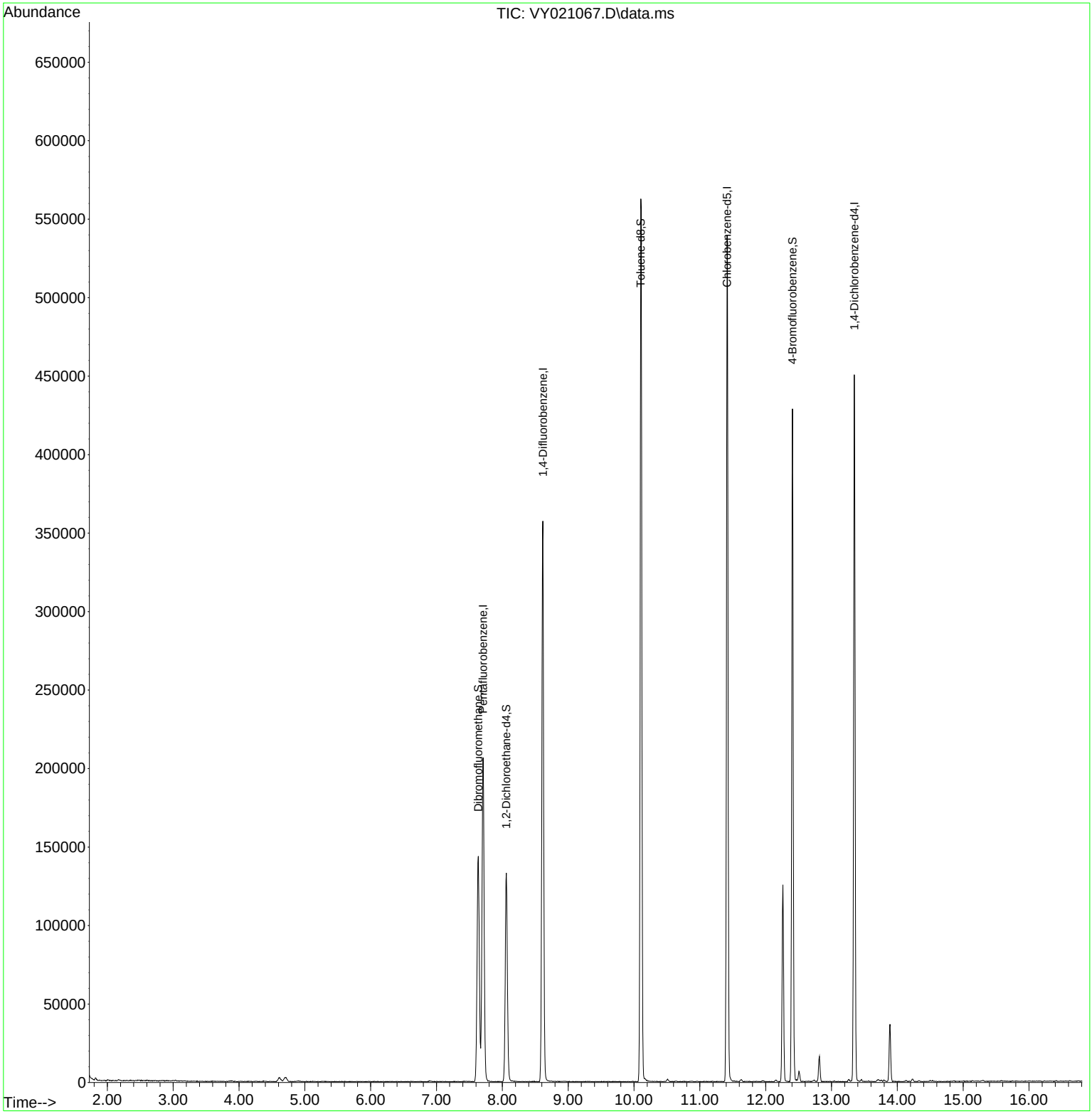
Target Compounds Qvalue

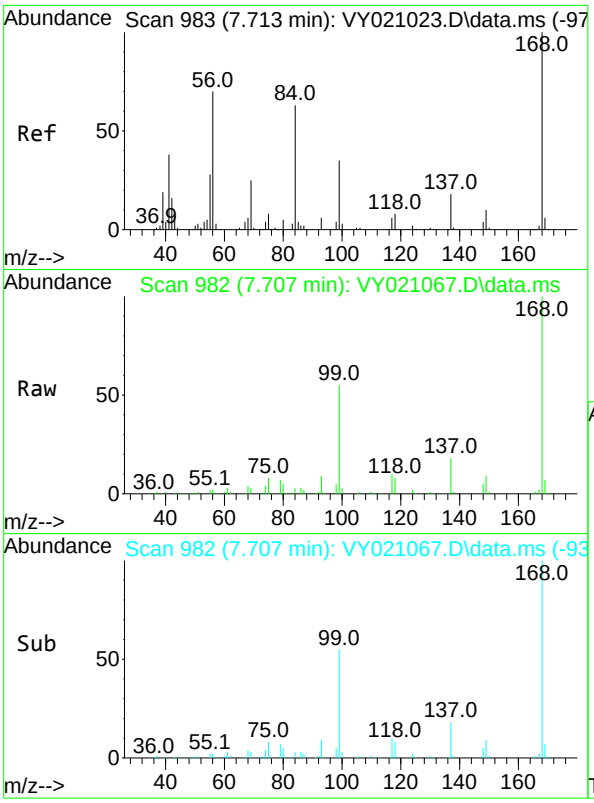
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021067.D
Acq On : 04 Feb 2025 18:33
Operator : SY/MD
Sample : Q1241-17
Misc : 10.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-51.4-013025

Quant Time: Feb 05 00:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



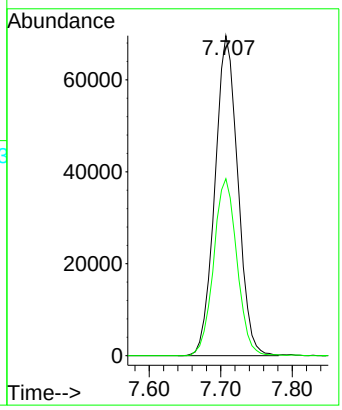


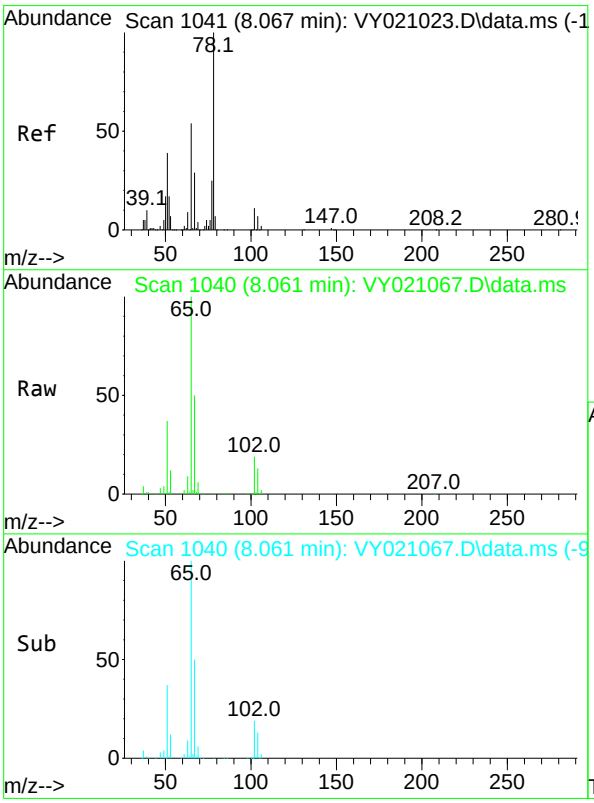
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021067.D
Acq: 04 Feb 2025 18:33

Instrument :
MSVOA_Y
ClientSampleId :
JPP-51.4-013025

Tgt Ion:168 Resp: 155127

Ion	Ratio	Lower	Upper
168	100		
99	55.3	44.2	66.4

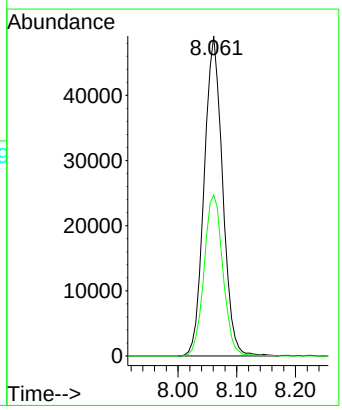


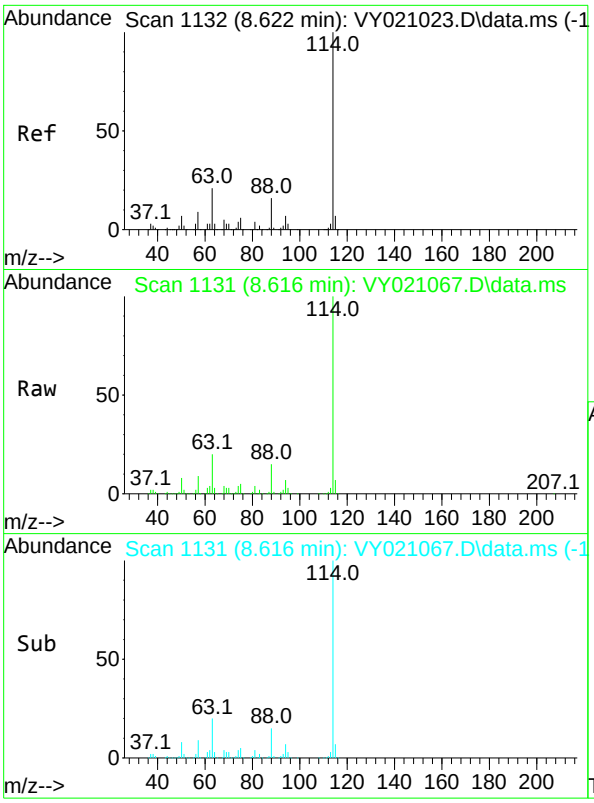


#33
1,2-Dichloroethane-d4
Concen: 67.342 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021067.D
Acq: 04 Feb 2025 18:33

Tgt Ion: 65 Resp: 107034

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	109.0



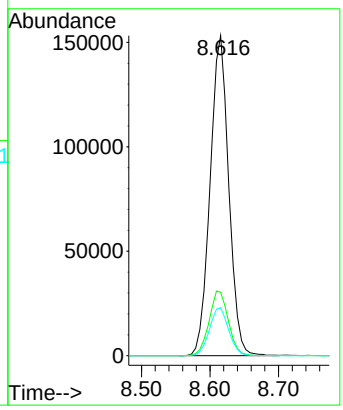


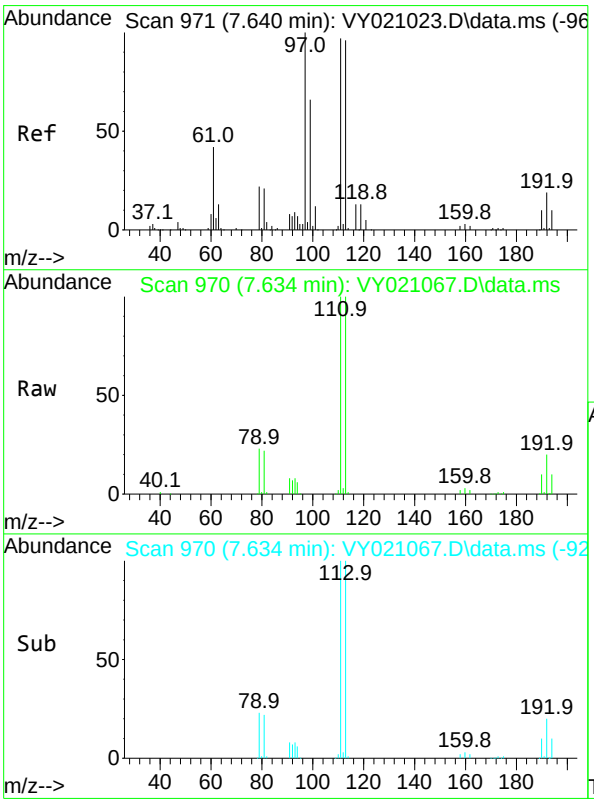
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021067.D
Acq: 04 Feb 2025 18:33

Instrument :
MSVOA_Y
ClientSampleId :
JPP-51.4-013025

Tgt Ion:114 Resp: 289464

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	37.4
88	15.0	0.0	29.0

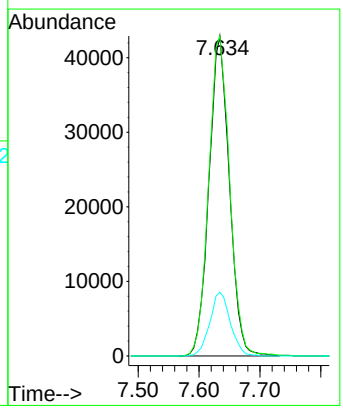


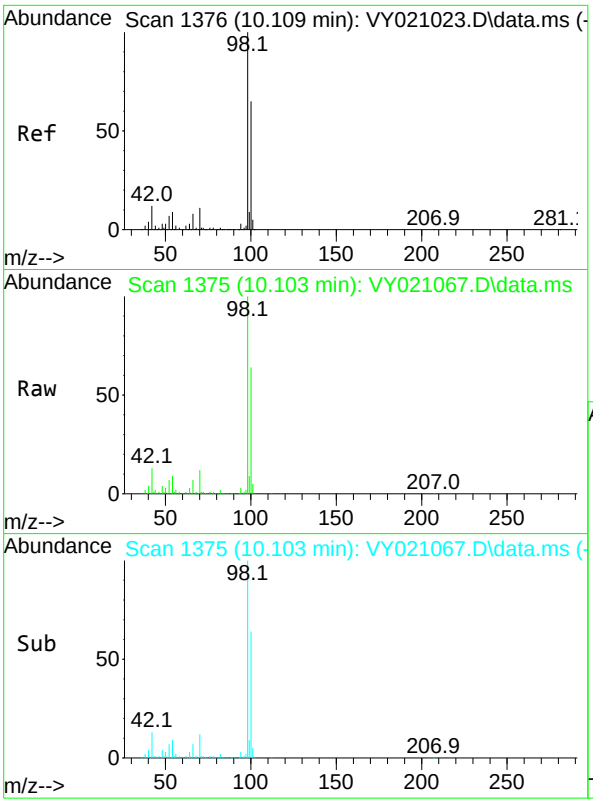


#35
Dibromofluoromethane
Concen: 53.728 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021067.D
Acq: 04 Feb 2025 18:33

Tgt Ion:113 Resp: 99670

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.8	125.6
192	20.1	14.5	21.7



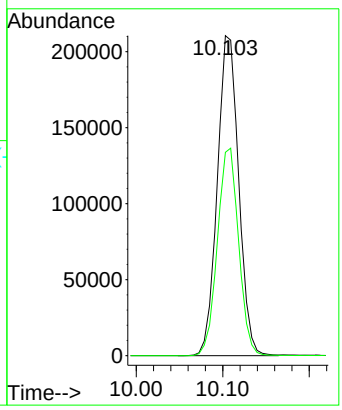


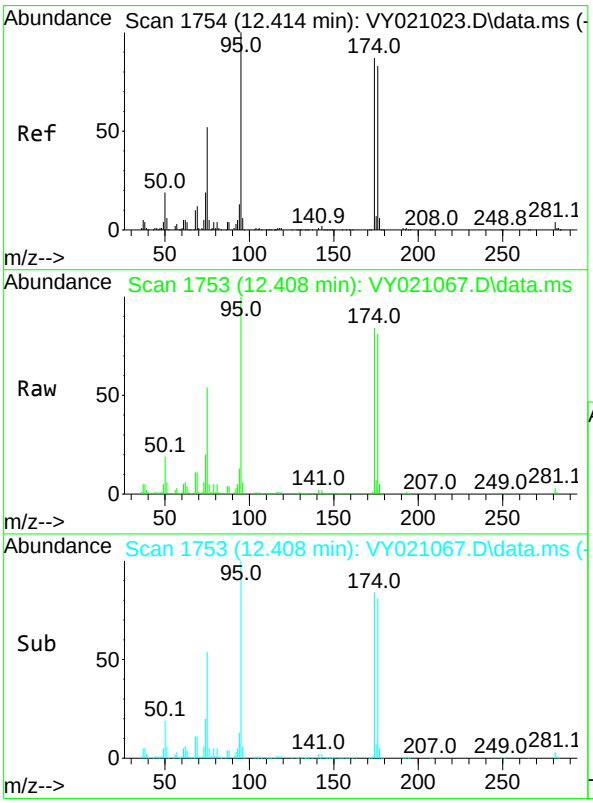
#50
Toluene-d8
Concen: 51.163 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021067.D
Acq: 04 Feb 2025 18:33

Instrument :
MSVOA_Y
ClientSampleId :
JPP-51.4-013025

Tgt Ion: 98 Resp: 361334

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.3	78.5

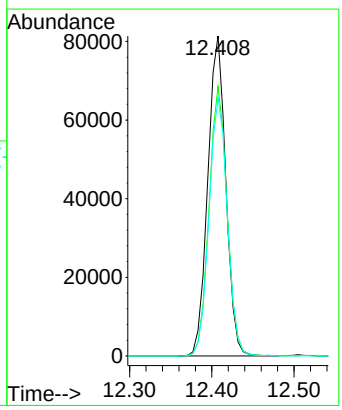


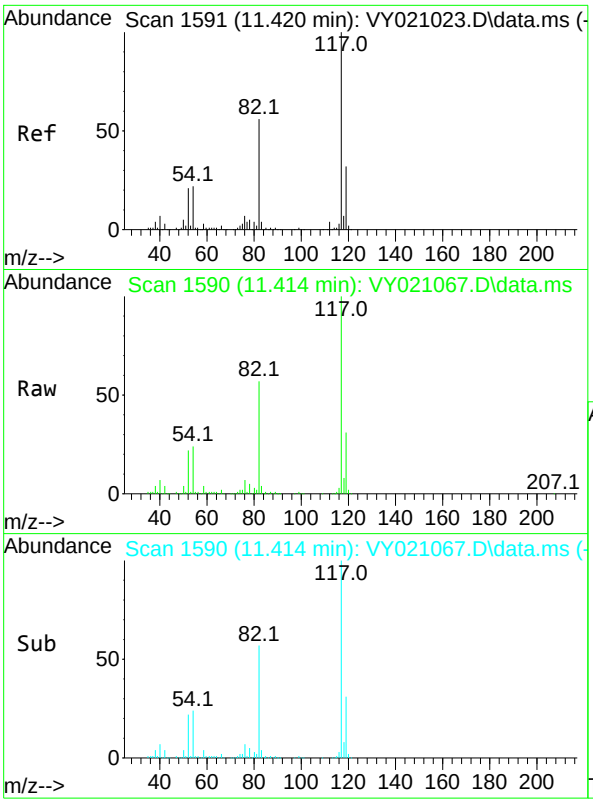


#62
4-Bromofluorobenzene
Concen: 53.674 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021067.D
Acq: 04 Feb 2025 18:33

Tgt Ion: 95 Resp: 123839

Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	160.0
176	81.9	0.0	151.8



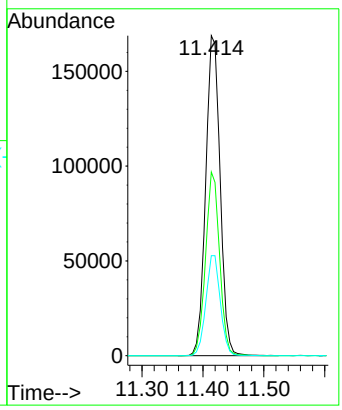


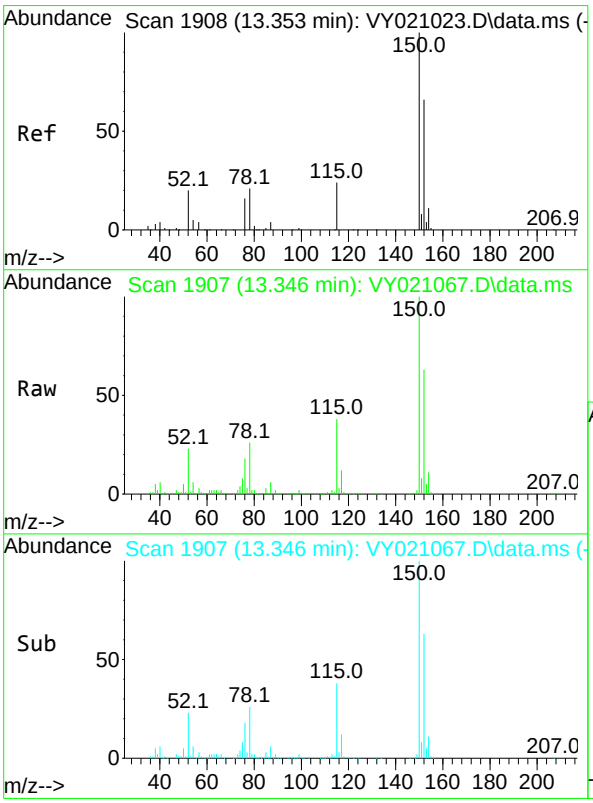
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021067.D
Acq: 04 Feb 2025 18:33

Instrument :
MSVOA_Y
ClientSampleId :
JPP-51.4-013025

Tgt Ion:117 Resp: 277580

Ion	Ratio	Lower	Upper
117	100		
82	57.4	43.8	65.8
119	31.2	26.5	39.7

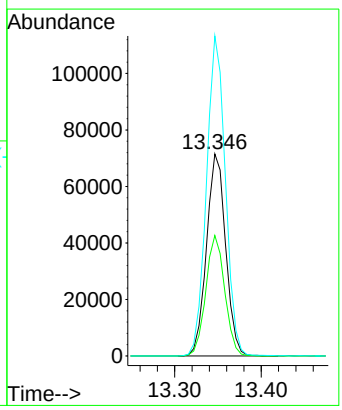




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021067.D
Acq: 04 Feb 2025 18:33

Tgt Ion:152 Resp: 109757

Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.0	90.0
150	156.5	0.0	344.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021067.D
Acq On : 04 Feb 2025 18:33
Operator : SY/MD
Sample : Q1241-17
Misc : 10.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-51.4-013025

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\82Y020325S.M
Title : SW846 8260

Signal : TIC: VY021067.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	959	970	976	rBV	143618	342707	35.21%	6.458%
2	7.707	976	982	994	rVB	206201	462240	47.50%	8.710%
3	8.061	1030	1040	1053	rBV	133075	298682	30.69%	5.628%
4	8.616	1122	1131	1145	rBV	357140	693284	71.24%	13.064%
5	10.103	1366	1375	1384	rBV	562643	973192	100.00%	18.339%
6	11.414	1583	1590	1604	rVB	538878	873759	89.78%	16.465%
7	12.261	1720	1729	1739	rBV	125558	203908	20.95%	3.842%
8	12.408	1746	1753	1762	rBV	428584	677889	69.66%	12.774%
9	12.505	1764	1769	1775	rVB5	6476	10705	1.10%	0.202%
10	12.816	1814	1820	1826	rVB2	15967	25292	2.60%	0.477%
11	13.346	1897	1907	1920	rVB	450215	685488	70.44%	12.917%
12	13.889	1988	1996	2002	rVB2	36565	59574	6.12%	1.123%

Sum of corrected areas: 5306720

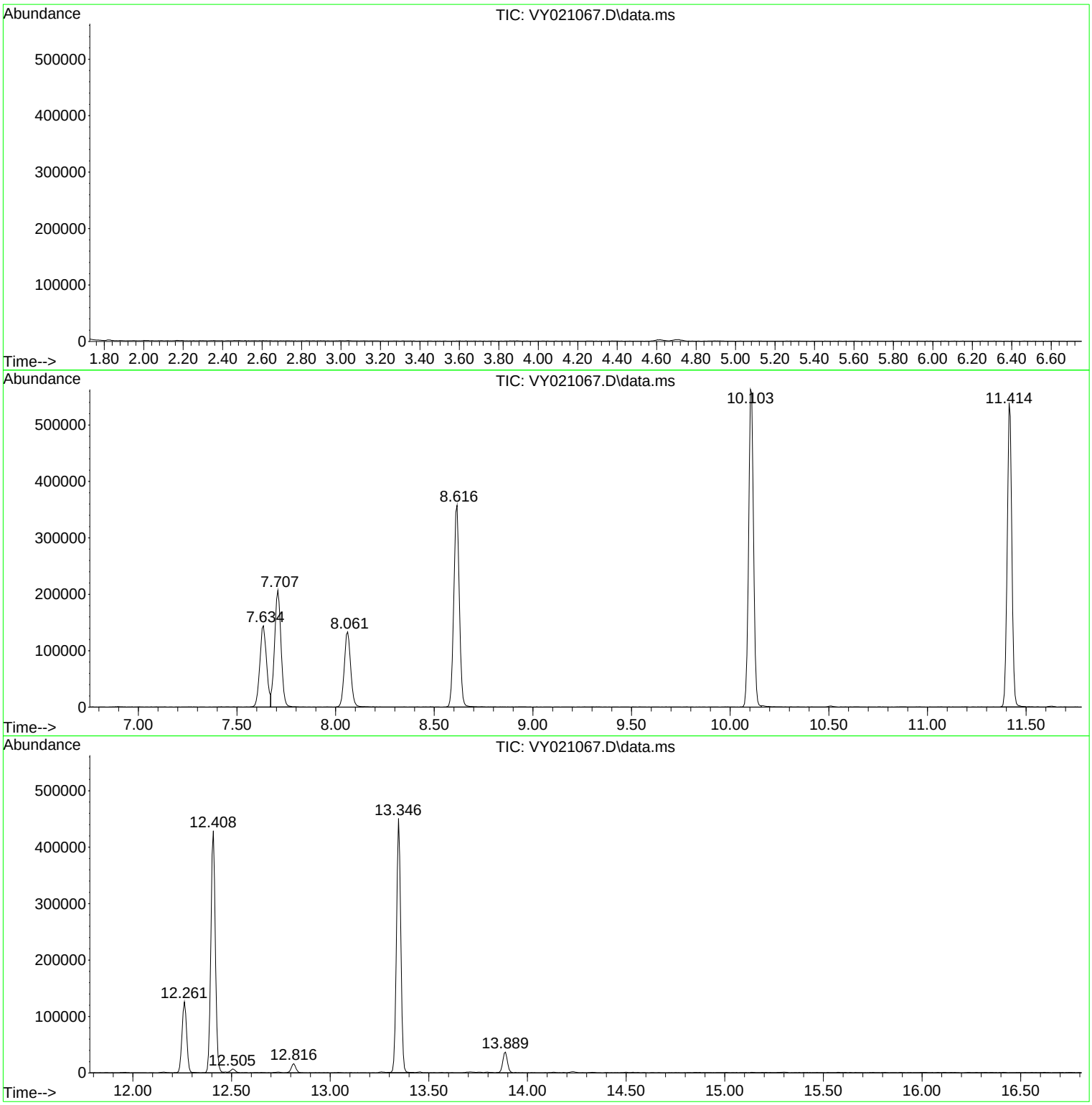
Sample Results: **VY021067.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021067.D
Acq On : 04 Feb 2025 18:33
Operator : SY/MD
Sample : Q1241-17
Misc : 10.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-51.4-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021067.D
Acq On : 04 Feb 2025 18:33
Operator : SY/MD
Sample : Q1241-17
Misc : 10.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-51.4-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

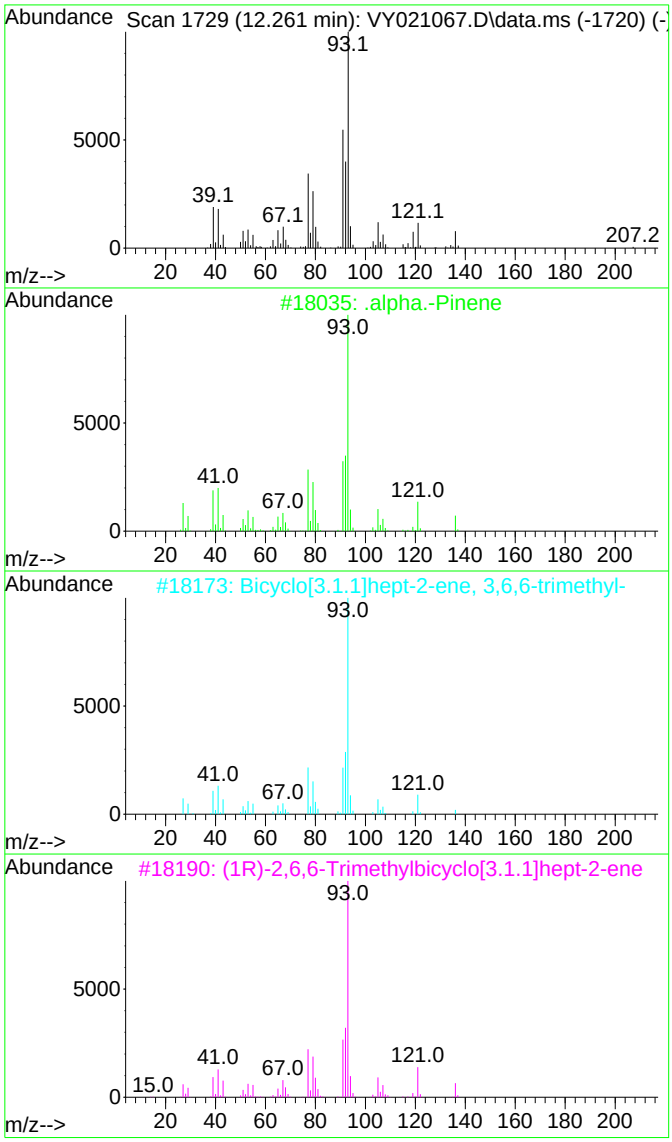
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

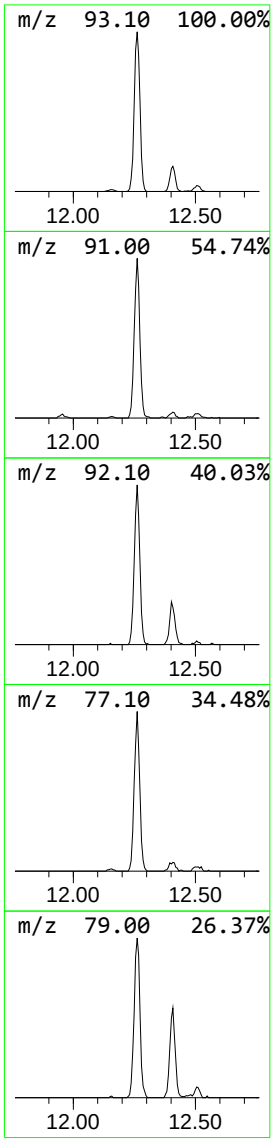
****

Peak Number 1 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.261	11.67 ug/l	203908	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	90
4	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90
5	(+)-3-Carene	136	C10H16	000498-15-7	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021067.D
Acq On : 04 Feb 2025 18:33
Operator : SY/MD
Sample : Q1241-17
Misc : 10.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JPP-51.4-013025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.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
.alpha.-Pinene	12.261	11.7	ug/l	203908	3	11.414	873759	50.0

CALIBRATION SUMMARY

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: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: MSVOA_Y Calibration Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:35 12:44

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

LAB FILE ID: RRF005 = VY021020.D RRF010 = VY021021.D RRF020 = VY021022.D
RRF050 = VY021023.D RRF100 = VY021024.D RRF150 = VY021025.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.503	0.438	0.413	0.445	0.419	0.457	0.446	7.2
Chloromethane	0.524	0.445	0.408	0.421	0.404	0.437	0.440	10.1
Vinyl Chloride	0.535	0.441	0.404	0.424	0.408	0.443	0.443	10.9
Bromomethane	0.356	0.275	0.249	0.258	0.246	0.257	0.274	15.2
Chloroethane	0.316	0.270	0.240	0.255	0.239	0.261	0.263	10.7
Trichlorofluoromethane	0.924	0.814	0.755	0.789	0.743	0.813	0.806	8
1,1,2-Trichlorotrifluoroethane	0.587	0.507	0.472	0.494	0.466	0.510	0.506	8.6
Tert butyl alcohol	0.042	0.039	0.035	0.032	0.028	0.032	0.035	14.8
1,1-Dichloroethene	0.529	0.471	0.441	0.469	0.452	0.498	0.477	6.8
Acetone	0.087	0.083	0.078	0.077	0.070	0.083	0.080	7.5
Carbon Disulfide	1.673	1.456	1.389	1.475	1.421	1.556	1.495	7
Methyl tert-butyl Ether	1.271	1.185	1.168	1.216	1.124	1.265	1.205	4.8
Methyl Acetate	0.300	0.282	0.268	0.287	0.253	0.291	0.280	6.1
Methylene Chloride	0.570	0.506	0.473	0.485	0.452	0.494	0.497	8.2
trans-1,2-Dichloroethene	0.578	0.518	0.502	0.522	0.490	0.538	0.525	5.8
1,1-Dichloroethane	1.104	0.948	0.923	0.947	0.911	0.989	0.970	7.3
Cyclohexane	1.093	0.885	0.807	0.827	0.779	0.852	0.874	13
2-Butanone	0.134	0.133	0.126	0.135	0.121	0.139	0.131	5.2
Carbon Tetrachloride	0.604	0.551	0.522	0.547	0.522	0.581	0.555	5.9
cis-1,2-Dichloroethene	0.662	0.584	0.577	0.599	0.575	0.626	0.604	5.7
Bromochloromethane	0.373	0.368	0.381	0.413	0.374	0.394	0.384	4.4
Chloroform	1.107	1.016	0.947	0.982	0.921	1.006	0.997	6.5
1,1,1-Trichloroethane	1.067	0.901	0.867	0.912	0.863	0.949	0.927	8.2
Methylcyclohexane	0.609	0.550	0.536	0.588	0.570	0.629	0.581	6.1
Benzene	1.512	1.382	1.327	1.378	1.323	1.436	1.393	5.1
1,2-Dichloroethane	0.435	0.390	0.367	0.379	0.352	0.395	0.386	7.4
Trichloroethene	0.401	0.355	0.341	0.349	0.338	0.375	0.360	6.7
1,2-Dichloropropane	0.357	0.329	0.319	0.327	0.311	0.341	0.331	5
Bromodichloromethane	0.528	0.500	0.469	0.482	0.459	0.506	0.491	5.2
4-Methyl-2-Pentanone	0.202	0.211	0.202	0.216	0.194	0.224	0.208	5.2

* 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.

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: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: MSVOA_Y Calibration Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:35 12:44

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

LAB FILE ID: RRF005 = VY021020.D RRF010 = VY021021.D RRF020 = VY021022.D
RRF050 = VY021023.D RRF100 = VY021024.D RRF150 = VY021025.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.913	0.856	0.840	0.876	0.844	0.918	0.875	3.9
t-1,3-Dichloropropene	0.441	0.426	0.419	0.449	0.427	0.483	0.441	5.3
cis-1,3-Dichloropropene	0.528	0.516	0.502	0.525	0.501	0.560	0.522	4.2
1,1,2-Trichloroethane	0.261	0.235	0.231	0.235	0.217	0.242	0.237	6.1
2-Hexanone	0.124	0.131	0.128	0.144	0.129	0.149	0.134	7.4
Dibromochloromethane	0.359	0.330	0.324	0.329	0.310	0.346	0.333	5.2
1,2-Dibromoethane	0.232	0.223	0.215	0.225	0.203	0.233	0.222	5
Tetrachloroethene	0.409	0.367	0.352	0.361	0.351	0.387	0.371	6.2
Chlorobenzene	1.237	1.115	1.054	1.080	1.048	1.146	1.113	6.4
Ethyl Benzene	2.101	1.899	1.865	1.943	1.914	2.093	1.969	5.2
m/p-Xylenes	0.772	0.723	0.709	0.733	0.711	0.773	0.737	3.9
o-Xylene	0.723	0.658	0.660	0.681	0.670	0.729	0.687	4.6
Styrene	1.154	1.118	1.105	1.156	1.128	1.208	1.145	3.2
Bromoform	0.231	0.222	0.217	0.216	0.205	0.229	0.220	4.4
Isopropylbenzene	4.122	3.695	3.673	3.809	3.871	4.263	3.906	6.1
1,1,2,2-Tetrachloroethane	0.707	0.646	0.635	0.632	0.597	0.680	0.650	6
1,3-Dichlorobenzene	1.937	1.686	1.660	1.683	1.652	1.824	1.740	6.6
1,4-Dichlorobenzene	1.906	1.702	1.632	1.665	1.599	1.778	1.714	6.6
1,2-Dichlorobenzene	1.668	1.524	1.440	1.460	1.405	1.567	1.510	6.4
1,2-Dibromo-3-Chloropropane	0.099	0.099	0.089	0.097	0.089	0.109	0.097	7.6
1,2,4-Trichlorobenzene	0.796	0.754	0.743	0.875	0.873	1.004	0.841	11.6
1,2,3-Trichlorobenzene	0.641	0.640	0.626	0.733	0.726	0.832	0.700	11.4
1,2-Dichloroethane-d4	0.566	0.557	0.478	0.503	0.454	0.516	0.512	8.5
Dibromofluoromethane	0.351	0.326	0.301	0.313	0.297	0.333	0.320	6.4
Toluene-d8	1.295	1.237	1.139	1.202	1.158	1.288	1.220	5.3
4-Bromofluorobenzene	0.417	0.408	0.371	0.403	0.375	0.418	0.399	5.2

* 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 : 82Y020325S.M
Title : SW846 8260
Last Update : Mon Feb 03 13:08:38 2025
Response Via : Initial Calibration

Calibration Files
5 =VY021020.D 10 =VY021021.D 20 =VY021022.D 50 =VY021023.D 100 =VY021024.D 150 =VY021025.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.503	0.438	0.413	0.445	0.419	0.457	0.446	7.23
3)	P	Chloromethane	0.524	0.445	0.408	0.421	0.404	0.437	0.440	10.10
4)	C	Vinyl Chloride	0.535	0.441	0.404	0.424	0.408	0.443	0.443	10.93#
5)	T	Bromomethane	0.356	0.275	0.249	0.258	0.246	0.257	0.274	15.17
6)	T	Chloroethane	0.316	0.270	0.240	0.255	0.239	0.261	0.263	10.71
7)	T	Trichlorofluor...	0.924	0.814	0.755	0.789	0.743	0.813	0.806	8.03
8)	T	Diethyl Ether	0.274	0.256	0.248	0.242	0.230	0.260	0.252	6.02
9)	T	1,1,2-Trichlor...	0.587	0.507	0.472	0.494	0.466	0.510	0.506	8.56
10)	T	Methyl Iodide	0.534	0.532	0.527	0.587	0.576	0.618	0.562	6.59
11)	T	Tert butyl alc...	0.042	0.039	0.035	0.032	0.028	0.032	0.035	14.80
12)	CM	1,1-Dichloroet...	0.529	0.471	0.441	0.469	0.452	0.498	0.477	6.76#
13)	T	Acrolein	0.055	0.057	0.056	0.052	0.047	0.053	0.053	6.61
14)	T	Allyl chloride	0.869	0.778	0.753	0.800	0.774	0.846	0.803	5.60
15)	T	Acrylonitrile	0.109	0.105	0.105	0.106	0.095	0.109	0.105	5.06
16)	T	Acetone	0.087	0.083	0.078	0.077	0.070	0.083	0.080	7.52
17)	T	Carbon Disulfide	1.673	1.456	1.389	1.475	1.421	1.556	1.495	6.96
18)	T	Methyl Acetate	0.300	0.282	0.268	0.287	0.253	0.291	0.280	6.13
19)	T	Methyl tert-bu...	1.271	1.185	1.168	1.216	1.124	1.265	1.205	4.75
20)	T	Methylene Chlo...	0.570	0.506	0.473	0.485	0.452	0.494	0.497	8.17
21)	T	trans-1,2-Dich...	0.578	0.518	0.502	0.522	0.490	0.538	0.525	5.83
22)	T	Diisopropyl ether	1.741	1.643	1.638	1.665	1.573	1.677	1.656	3.33
23)	T	Vinyl Acetate	0.937	0.913	0.903	0.948	0.869	0.970	0.923	3.86
24)	P	1,1-Dichloroet...	1.104	0.948	0.923	0.947	0.911	0.989	0.970	7.27
25)	T	2-Butanone	0.134	0.133	0.126	0.135	0.121	0.139	0.131	5.18
26)	T	2,2-Dichloropr...	1.031	0.899	0.842	0.870	0.818	0.926	0.898	8.44
27)	T	cis-1,2-Dichlo...	0.662	0.584	0.577	0.599	0.575	0.626	0.604	5.66
28)	T	Bromochloromet...	0.373	0.368	0.381	0.413	0.374	0.394	0.384	4.42
29)	T	Tetrahydrofuran	0.088	0.092	0.088	0.092	0.081	0.093	0.089	5.11
30)	C	Chloroform	1.107	1.016	0.947	0.982	0.921	1.006	0.997	6.49#
31)	T	Cyclohexane	1.093	0.885	0.807	0.827	0.779	0.852	0.874	12.96
32)	T	1,1,1-Trichlor...	1.067	0.901	0.867	0.912	0.863	0.949	0.927	8.18
33)	S	1,2-Dichloroet...	0.566	0.557	0.478	0.503	0.454	0.516	0.512	8.52
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.351	0.326	0.301	0.313	0.297	0.333	0.320	6.41
36)	T	1,1-Dichloropr...	0.534	0.464	0.447	0.463	0.448	0.491	0.475	7.02
37)	T	Ethyl Acetate	0.218	0.208	0.208	0.211	0.188	0.216	0.208	5.10
38)	T	Carbon Tetrach...	0.604	0.551	0.522	0.547	0.522	0.581	0.555	5.86
39)	T	Methylcyclohexane	0.609	0.550	0.536	0.588	0.570	0.629	0.581	6.07
40)	TM	Benzene	1.512	1.382	1.327	1.378	1.323	1.436	1.393	5.13
41)	T	Methacrylonitrile	0.130	0.126	0.133	0.111	0.089	0.134	0.120	14.47
42)	TM	1,2-Dichloroet...	0.435	0.390	0.367	0.379	0.352	0.395	0.386	7.38
43)	T	Isopropyl Acetate	0.404	0.417	0.400	0.422	0.389	0.451	0.414	5.25
44)	TM	Trichloroethene	0.401	0.355	0.341	0.349	0.338	0.375	0.360	6.66
45)	C	1,2-Dichloropr...	0.357	0.329	0.319	0.327	0.311	0.341	0.331	4.98#
46)	T	Dibromomethane	0.201	0.184	0.179	0.181	0.166	0.187	0.183	6.17
47)	T	Bromodichlorom...	0.528	0.500	0.469	0.482	0.459	0.506	0.491	5.18
48)	T	Methyl methacr...	0.180	0.180	0.175	0.192	0.186	0.217	0.188	7.95
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.73
50)	S	Toluene-d8	1.295	1.237	1.139	1.202	1.158	1.288	1.220	5.34
51)	T	4-Methyl-2-Pen...	0.202	0.211	0.202	0.216	0.194	0.224	0.208	5.18
52)	CM	Toluene	0.913	0.856	0.840	0.876	0.844	0.918	0.875	3.88#
53)	T	t-1,3-Dichloro...	0.441	0.426	0.419	0.449	0.427	0.483	0.441	5.31
54)	T	cis-1,3-Dichlo...	0.528	0.516	0.502	0.525	0.501	0.560	0.522	4.19
55)	T	1,1,2-Trichlor...	0.261	0.235	0.231	0.235	0.217	0.242	0.237	6.06
56)	T	Ethyl methacry...	0.287	0.296	0.300	0.338	0.319	0.363	0.317	9.15

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y020325S.M

57)	T	1,3-Dichloropr...	0.434	0.410	0.402	0.412	0.381	0.424	0.410	4.44
58)	T	2-Chloroethyl ...	0.143	0.146	0.146	0.157	0.146	0.167	0.151	6.19
59)	T	2-Hexanone	0.124	0.131	0.128	0.144	0.129	0.149	0.134	7.42
60)	T	Dibromochlorom...	0.359	0.330	0.324	0.329	0.310	0.346	0.333	5.17
61)	T	1,2-Dibromoethane	0.232	0.223	0.215	0.225	0.203	0.233	0.222	5.04
62)	S	4-Bromofluorob...	0.417	0.408	0.371	0.403	0.375	0.418	0.399	5.23
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.409	0.367	0.352	0.361	0.351	0.387	0.371	6.17
65)	PM	Chlorobenzene	1.237	1.115	1.054	1.080	1.048	1.146	1.113	6.40
66)	T	1,1,1,2-Tetrac...	0.434	0.401	0.376	0.382	0.374	0.407	0.396	5.86
67)	C	Ethyl Benzene	2.101	1.899	1.865	1.943	1.914	2.093	1.969	5.20#
68)	T	m/p-Xylenes	0.772	0.723	0.709	0.733	0.711	0.773	0.737	3.93
69)	T	o-Xylene	0.723	0.658	0.660	0.681	0.670	0.729	0.687	4.57
70)	T	Styrene	1.154	1.118	1.105	1.156	1.128	1.208	1.145	3.23
71)	P	Bromoform	0.231	0.222	0.217	0.216	0.205	0.229	0.220	4.43
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.122	3.695	3.673	3.809	3.871	4.263	3.906	6.09
74)	T	N-amyl acetate	0.786	0.801	0.796	0.887	0.854	1.000	0.854	9.53
75)	P	1,1,2,2-Tetrac...	0.707	0.646	0.635	0.632	0.597	0.680	0.650	5.97
76)	T	1,2,3-Trichlor...	0.527	0.393	0.469	0.462	0.378	0.492	0.454	12.69
77)	T	Bromobenzene	0.946	0.892	0.866	0.864	0.863	0.978	0.901	5.45
78)	T	n-propylbenzene	4.862	4.419	4.410	4.581	4.590	5.054	4.653	5.50
79)	T	2-Chlorotoluene	2.872	2.577	2.537	2.585	2.571	2.847	2.665	5.70
80)	T	1,3,5-Trimethy...	3.321	3.032	3.042	3.109	3.100	3.395	3.167	4.84
81)	T	trans-1,4-Dich...	0.216	0.226	0.211	0.223	0.208	0.250	0.222	6.87
82)	T	4-Chlorotoluene	2.902	2.692	2.605	2.617	2.592	2.882	2.715	5.21
83)	T	tert-Butylbenzene	2.968	2.745	2.755	2.869	2.773	3.160	2.878	5.63
84)	T	1,2,4-Trimethy...	3.184	2.935	2.981	3.059	3.047	3.371	3.096	5.13
85)	T	sec-Butylbenzene	4.405	4.003	3.956	4.038	4.046	4.413	4.143	5.03
86)	T	p-Isopropyltol...	3.554	3.237	3.304	3.421	3.381	3.753	3.442	5.43
87)	T	1,3-Dichlorobe...	1.937	1.686	1.660	1.683	1.652	1.824	1.740	6.61
88)	T	1,4-Dichlorobe...	1.906	1.702	1.632	1.665	1.599	1.778	1.714	6.56
89)	T	n-Butylbenzene	3.202	2.923	2.961	3.153	3.127	3.473	3.140	6.27
90)	T	Hexachloroethane	0.757	0.693	0.680	0.696	0.699	0.784	0.718	5.86
91)	T	1,2-Dichlorobe...	1.668	1.524	1.440	1.460	1.405	1.567	1.510	6.42
92)	T	1,2-Dibromo-3-...	0.099	0.099	0.089	0.097	0.089	0.109	0.097	7.64
93)	T	1,2,4-Trichlor...	0.796	0.754	0.743	0.875	0.873	1.004	0.841	11.62
94)	T	Hexachlorobuta...	0.600	0.518	0.523	0.554	0.542	0.605	0.557	6.73
95)	T	Naphthalene	1.072	1.171	1.176	1.488	1.440	1.723	1.345	18.38
96)	T	1,2,3-Trichlor...	0.641	0.640	0.626	0.733	0.726	0.832	0.700	11.36

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	185671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	293189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	242257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	113107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	10514	6.651	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 13.300%#			
35) Dibromofluoromethane	7.640	113	10294	5.840	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 11.680%#			
50) Toluene-d8	10.115	98	37973	5.520	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 11.040%#			
62) 4-Bromofluorobenzene	12.414	95	12237	5.301	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 10.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	9330	5.910	ug/l	94
3) Chloromethane	2.080	50	9736	9.700	ug/l	98
4) Vinyl Chloride	2.214	62	9942	9.607	ug/l	100
5) Bromomethane	2.611	94	6604	9.426	ug/l	92
6) Chloroethane	2.751	64	5863	9.698	ug/l	89
7) Trichlorofluoromethane	3.074	101	17163	6.872	ug/l	96
8) Diethyl Ether	3.470	74	5090	6.827	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.830	101	10891	6.476	ug/l	93
10) Methyl Iodide	4.019	142	9923	5.156	ug/l	97
11) Tert butyl alcohol	4.878	59	3893	33.712	ug/l #	73
12) 1,1-Dichloroethene	3.805	96	9831	6.255	ug/l	89
13) Acrolein	3.665	56	5116	38.472	ug/l	94
14) Allyl chloride	4.403	41	16131	7.456	ug/l	93
15) Acrylonitrile	5.086	53	10135	33.047	ug/l #	73
16) Acetone	3.891	43	8118	37.678	ug/l	99
17) Carbon Disulfide	4.123	76	31063	6.417	ug/l	99
18) Methyl Acetate	4.397	43	5577	7.397	ug/l	92
19) Methyl tert-butyl Ether	5.128	73	23603	6.452	ug/l	98
20) Methylene Chloride	4.635	84	10585	6.661	ug/l	94
21) trans-1,2-Dichloroethene	5.141	96	10724	6.364	ug/l	91
22) Diisopropyl ether	6.031	45	32323	7.329	ug/l	94
23) Vinyl Acetate	5.976	43	87000	35.621	ug/l	97
24) 1,1-Dichloroethane	5.933	63	20490	7.202	ug/l	96
25) 2-Butanone	6.915	43	12466	34.105	ug/l	93
26) 2,2-Dichloropropane	6.890	77	19144	6.834	ug/l	98
27) cis-1,2-Dichloroethene	6.909	96	12299	6.350	ug/l	93
28) Bromochloromethane	7.256	49	6919	6.527	ug/l	85
29) Tetrahydrofuran	7.281	42	8193	33.310	ug/l	92
30) Chloroform	7.439	83	20552	6.669	ug/l	96
31) Cyclohexane	7.713	56	20287	7.295	ug/l #	85
32) 1,1,1-Trichloroethane	7.628	97	19818	6.645	ug/l	97
36) 1,1-Dichloropropene	7.841	75	15667	6.231	ug/l	95
37) Ethyl Acetate	6.994	43	6383	6.809	ug/l #	74
38) Carbon Tetrachloride	7.829	117	17709	5.691	ug/l	99
39) Methylcyclohexane	9.116	83	17860	5.287	ug/l	93
40) Benzene	8.091	78	44324	5.991	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	3810m	7.345	ug/l		
42) 1,2-Dichloroethane	8.164	62	12762	6.801	ug/l		98
43) Isopropyl Acetate	8.207	43	11839	6.321	ug/l	#	86
44) Trichloroethene	8.878	130	11751	5.756	ug/l		93
45) 1,2-Dichloropropane	9.146	63	10477	6.318	ug/l		99
46) Dibromomethane	9.244	93	5885	6.098	ug/l		91
47) Bromodichloromethane	9.433	83	15477	6.107	ug/l		94
48) Methyl methacrylate	9.231	41	5280	5.922	ug/l		93
49) 1,4-Dioxane	9.250	88	940	91.663	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.006	43	29573	30.730	ug/l		91
52) Toluene	10.182	92	26760	5.572	ug/l		96
53) t-1,3-Dichloropropene	10.402	75	12933	5.639	ug/l		97
54) cis-1,3-Dichloropropene	9.865	75	15488	5.650	ug/l	#	90
55) 1,1,2-Trichloroethane	10.579	97	7651	5.961	ug/l		92
56) Ethyl methacrylate	10.451	69	8418	5.018	ug/l	#	82
57) 1,3-Dichloropropane	10.725	76	12714	5.845	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	21035	29.542	ug/l		95
59) 2-Hexanone	10.774	43	18159	29.030	ug/l		90
60) Dibromochloromethane	10.920	129	10511	5.744	ug/l		96
61) 1,2-Dibromoethane	11.024	107	6810	5.555	ug/l		96
64) Tetrachloroethene	10.652	164	9915	5.426	ug/l		96
65) Chlorobenzene	11.450	112	29973	5.872	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	10524	5.810	ug/l		98
67) Ethyl Benzene	11.530	91	50904	5.760	ug/l		97
68) m/p-Xylenes	11.639	106	37399	11.015	ug/l		98
69) o-Xylene	11.963	106	17519	5.550	ug/l		99
70) Styrene	11.981	104	27946	5.333	ug/l		99
71) Bromoform	12.145	173	5607	5.252	ug/l	#	97
73) Isopropylbenzene	12.261	105	46625	5.869	ug/l		100
74) N-amyl acetate	12.085	43	8887	6.144	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.517	83	8001	6.240	ug/l		99
76) 1,2,3-Trichloropropane	12.566	75	5960m	6.656	ug/l		
77) Bromobenzene	12.542	156	10698	5.680	ug/l		90
78) n-propylbenzene	12.603	91	54990	5.907	ug/l		99
79) 2-Chlorotoluene	12.688	91	32479	6.123	ug/l		99
80) 1,3,5-Trimethylbenzene	12.749	105	37564	5.772	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	2446	5.671	ug/l		92
82) 4-Chlorotoluene	12.786	91	32824	6.046	ug/l		99
83) tert-Butylbenzene	13.005	119	33572	5.562	ug/l		95
84) 1,2,4-Trimethylbenzene	13.054	105	36016	5.665	ug/l		100
85) sec-Butylbenzene	13.188	105	49828	5.831	ug/l		99
86) p-Isopropyltoluene	13.304	119	40197	5.597	ug/l		98
87) 1,3-Dichlorobenzene	13.298	146	21910	5.966	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	21553	5.910	ug/l		95
89) n-Butylbenzene	13.627	91	36214	5.630	ug/l		96
90) Hexachloroethane	13.895	117	8559	5.891	ug/l		98
91) 1,2-Dichlorobenzene	13.670	146	18869	5.892	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	1125	5.699	ug/l		82
93) 1,2,4-Trichlorobenzene	14.932	180	9000	4.590	ug/l		98
94) Hexachlorobutadiene	15.035	225	6792	5.001	ug/l		99
95) Naphthalene	15.157	128	12124	3.847	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	7255	4.375	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

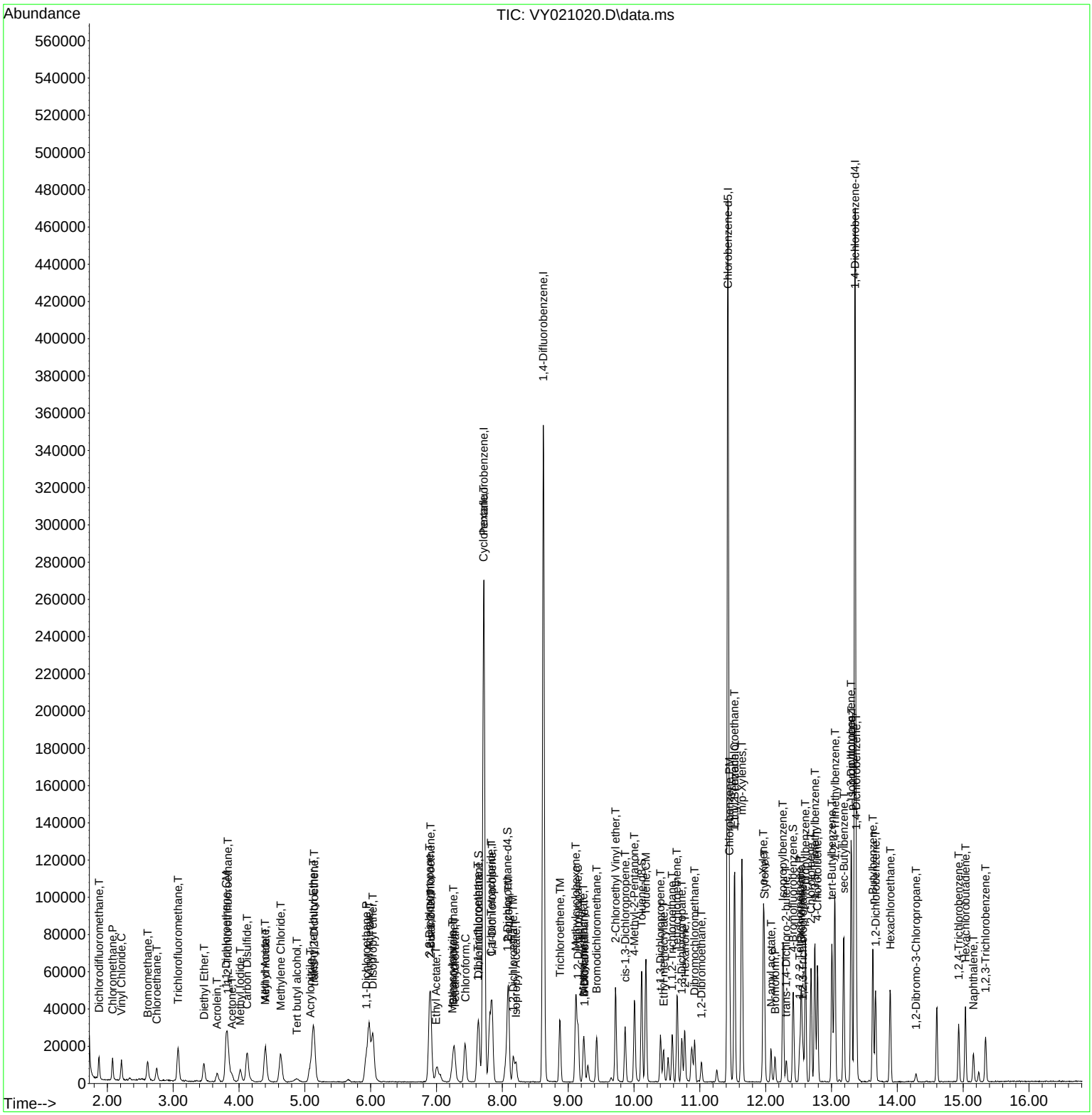
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Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

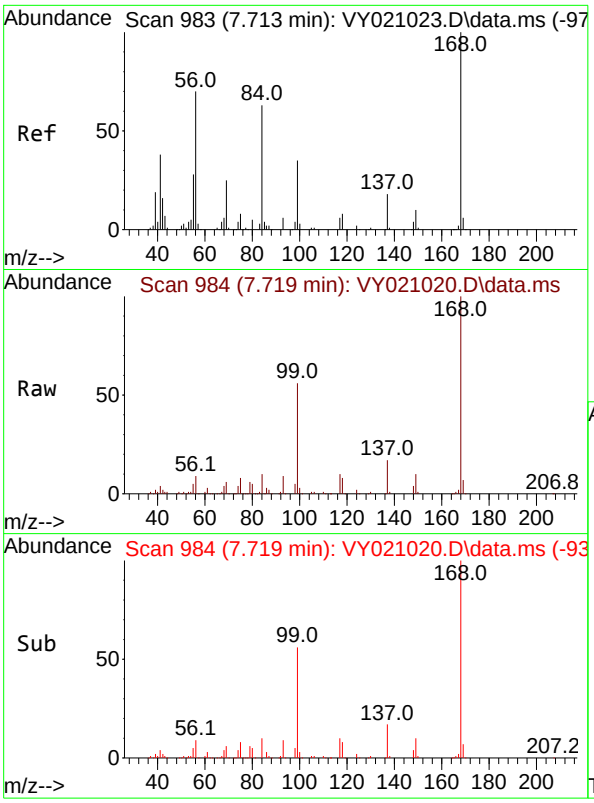
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QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

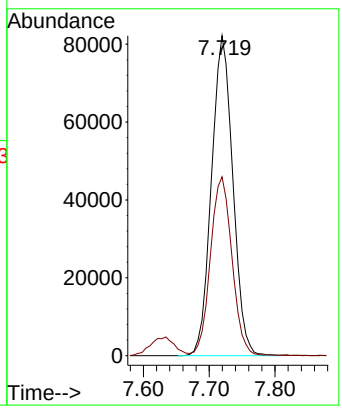




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:168 Resp: 18567

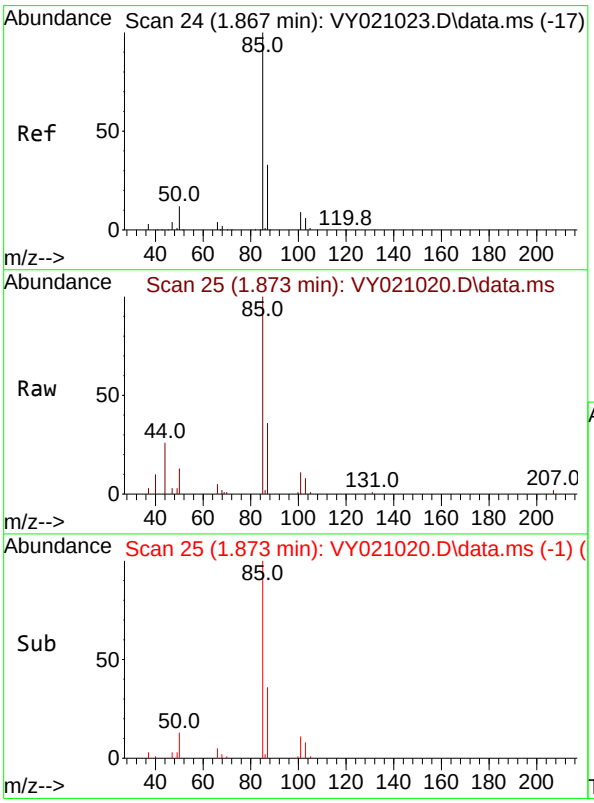
Ion	Ratio	Lower	Upper
168	100		
99	55.8	42.2	63.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

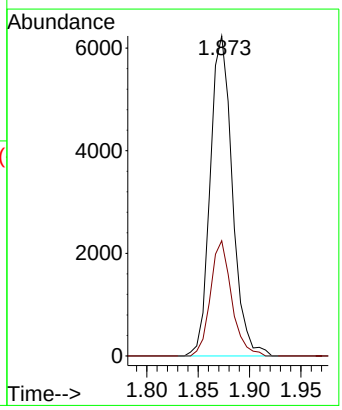
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

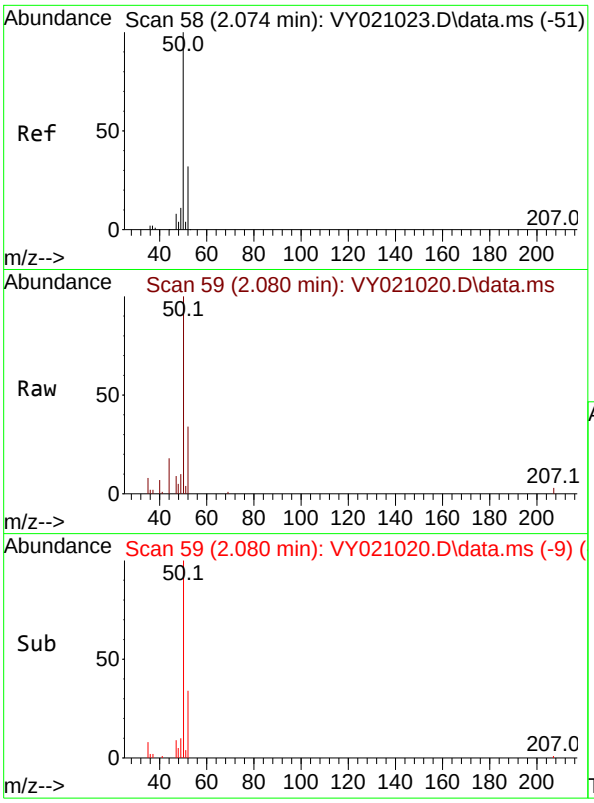


#2
Dichlorodifluoromethane
Concen: 5.910 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 85 Resp: 9330

Ion	Ratio	Lower	Upper
85	100		
87	36.0	16.3	48.9

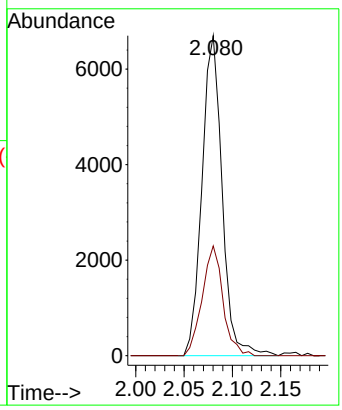




#3
Chloromethane
Concen: 9.700 ug/l
RT: 2.080 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 50 Resp: 973

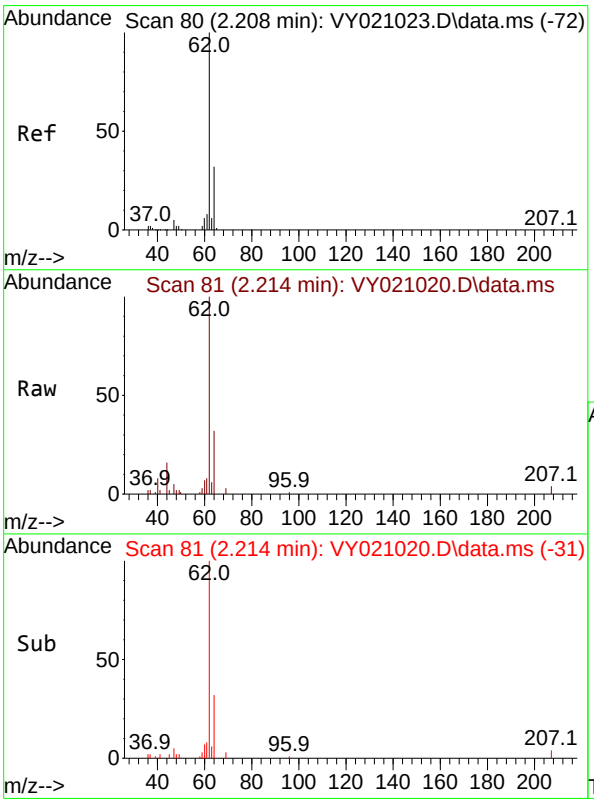
Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

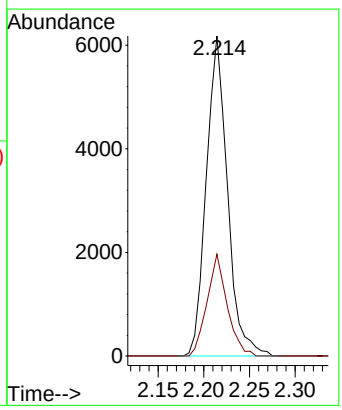
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

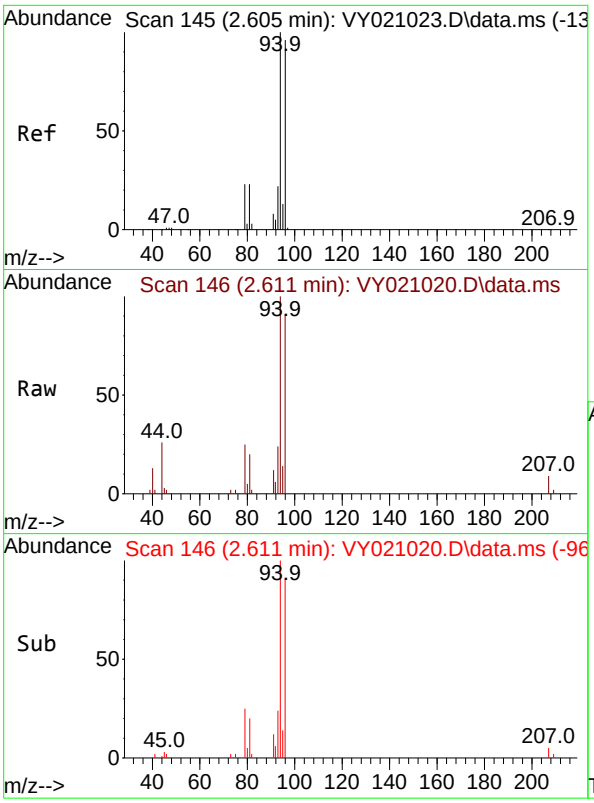


#4
Vinyl Chloride
Concen: 9.607 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 62 Resp: 9942

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.2

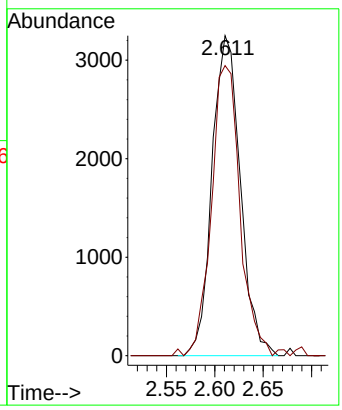




#5
Bromomethane
Concen: 9.426 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 94 Resp: 660

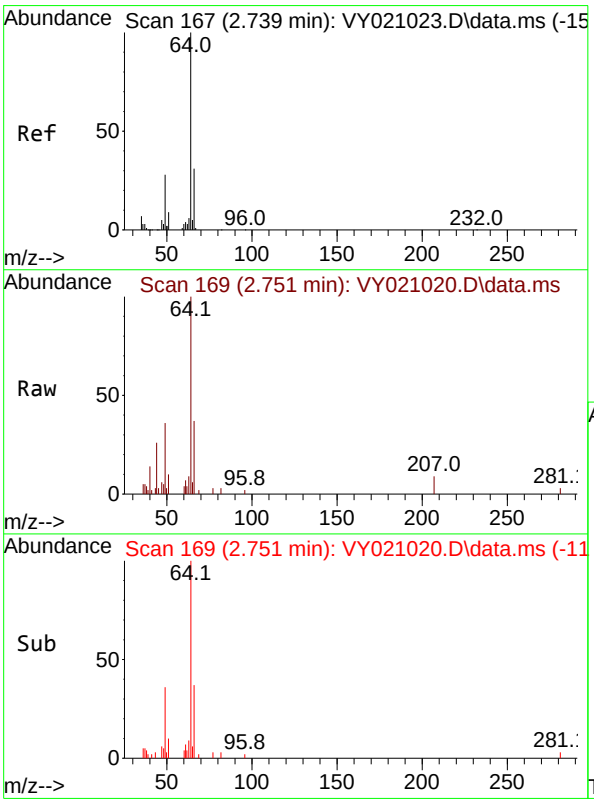
Ion	Ratio	Lower	Upper
94	100		
96	88.9	77.4	116.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

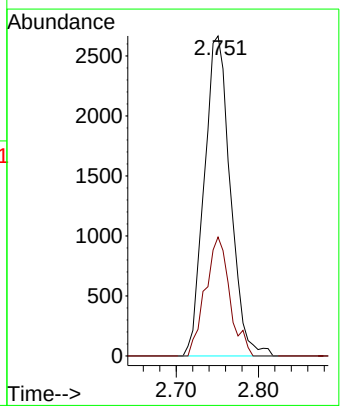
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

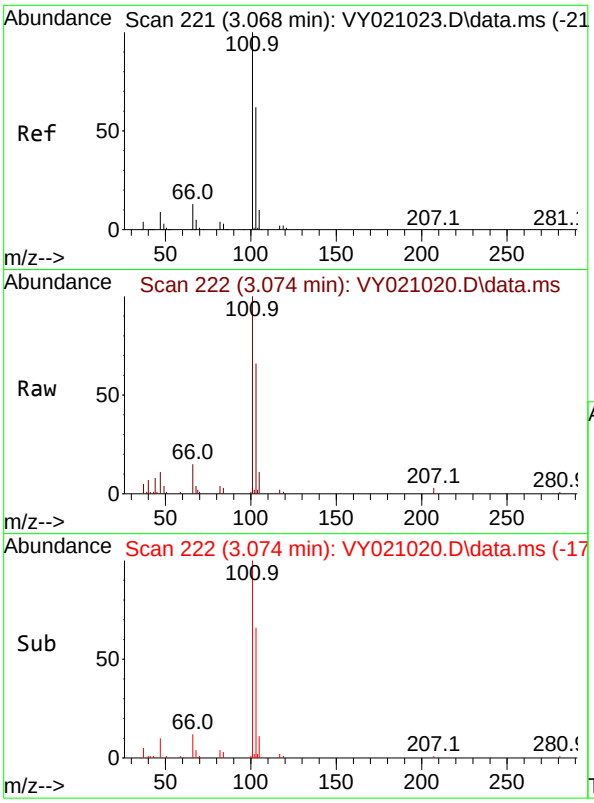


#6
Chloroethane
Concen: 9.698 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 64 Resp: 5863

Ion	Ratio	Lower	Upper
64	100		
66	37.1	25.0	37.4

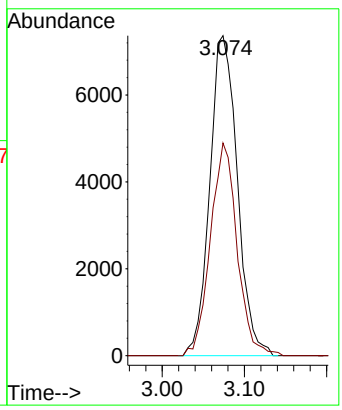




#7
Trichlorofluoromethane
Concen: 6.872 ug/l
RT: 3.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:101 Resp: 1716

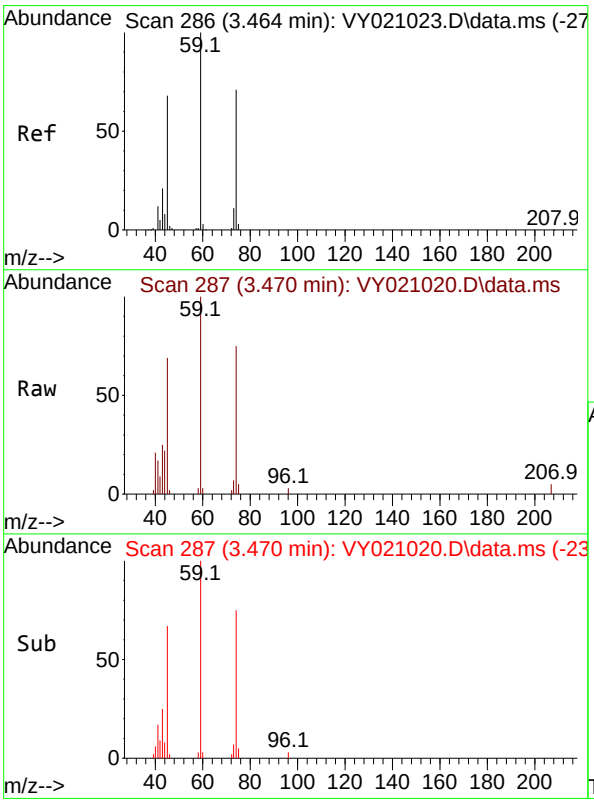
Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

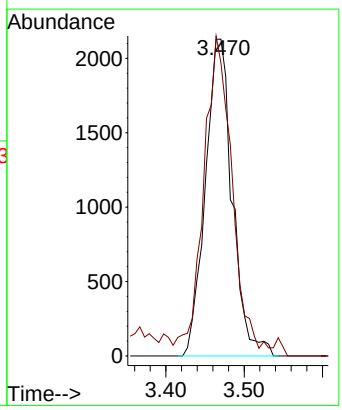
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

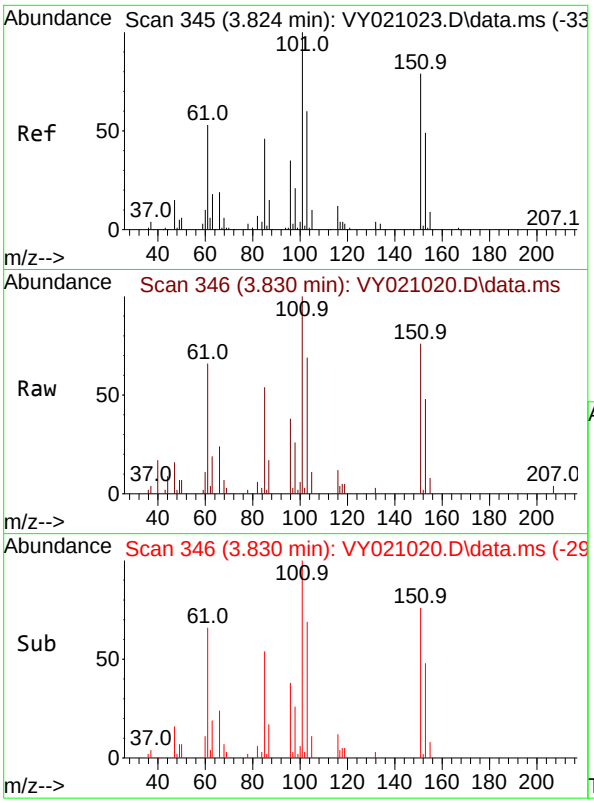


#8
Diethyl Ether
Concen: 6.827 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 74 Resp: 5090

Ion	Ratio	Lower	Upper
74	100		
45	107.1	43.4	130.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.476 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

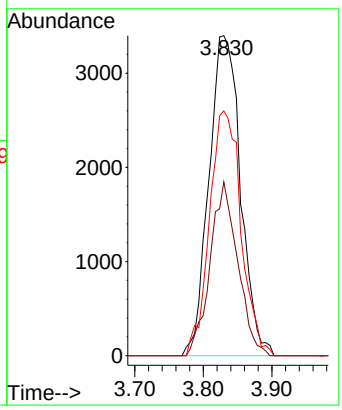
Tgt Ion:101 Resp: 1089

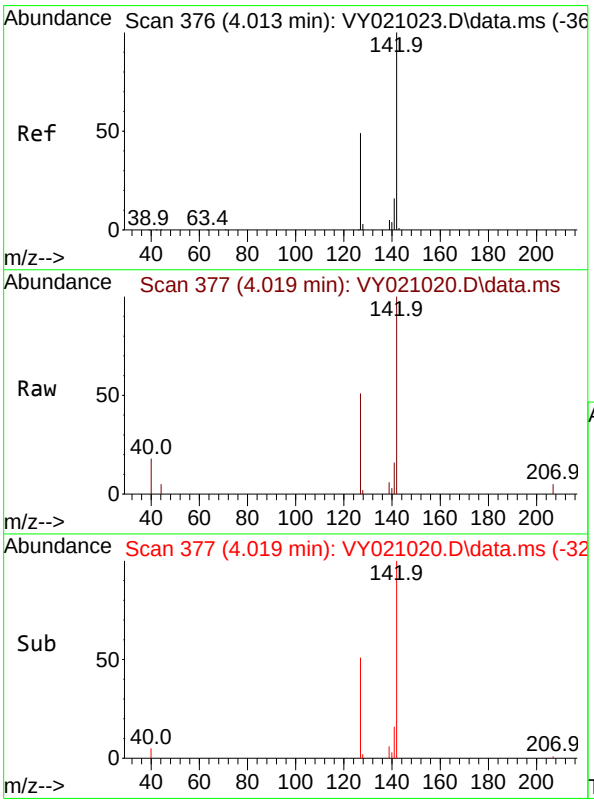
Ion	Ratio	Lower	Upper
101	100		
85	47.3	34.9	52.3
151	76.2	66.8	100.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

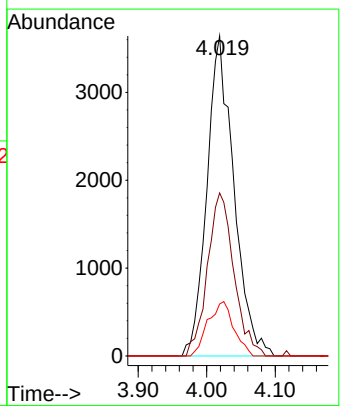


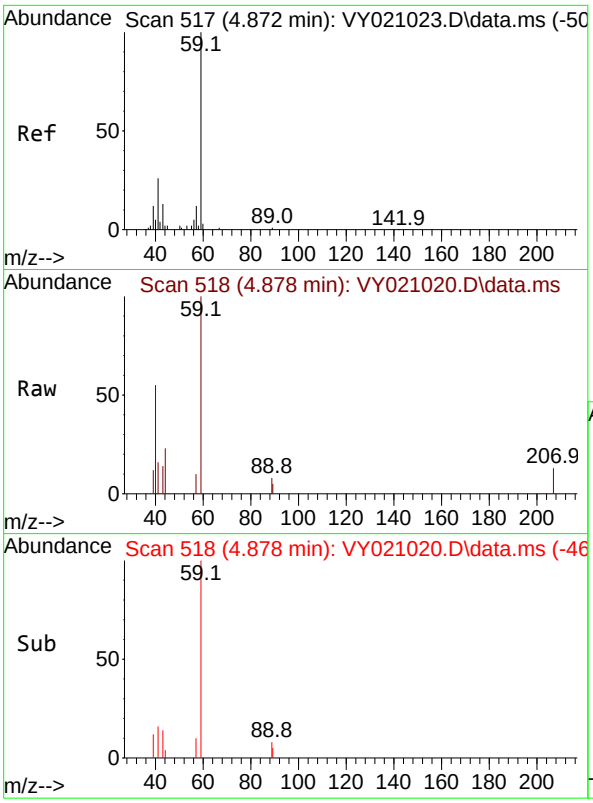


#10
Methyl Iodide
Concen: 5.156 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:142 Resp: 9923

Ion	Ratio	Lower	Upper
142	100		
127	50.1	38.9	58.3
141	16.3	11.7	17.5

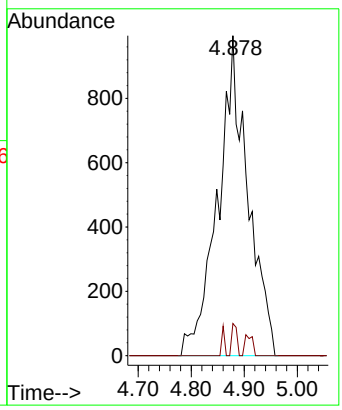




#11
Tert butyl alcohol
Concen: 33.712 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 59 Resp: 389

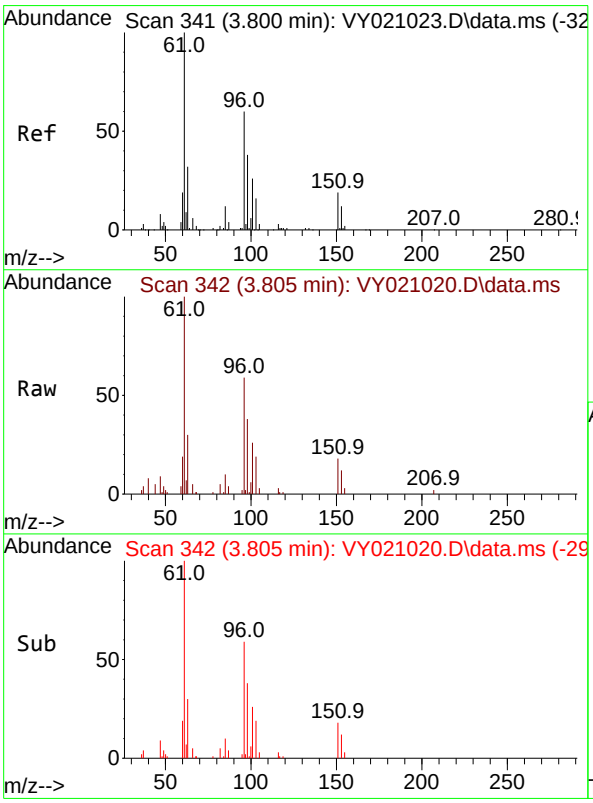
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

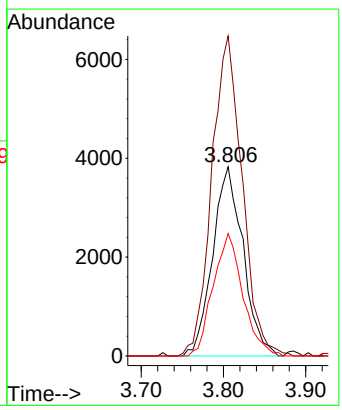
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

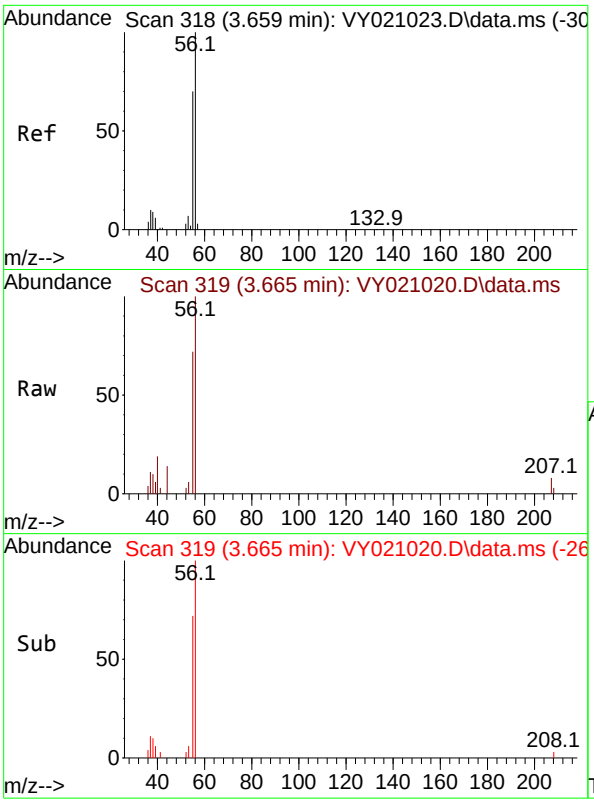


#12
1,1-Dichloroethene
Concen: 6.255 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 96 Resp: 9831

Ion	Ratio	Lower	Upper
96	100		
61	169.2	120.8	181.2
98	64.7	50.6	76.0

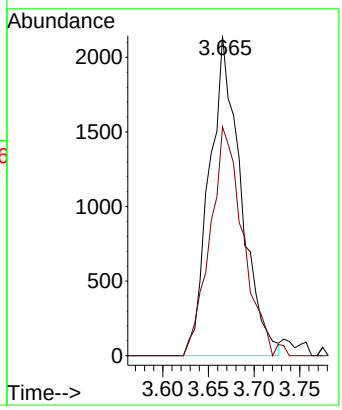




#13
Acrolein
Concen: 38.472 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 56 Resp: 511

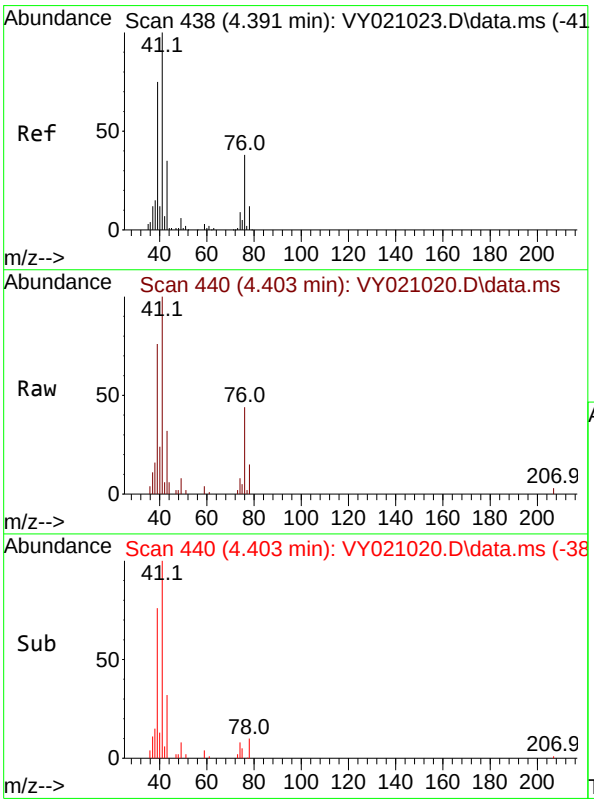
Ion	Ratio	Lower	Upper
56	100		
55	75.4	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

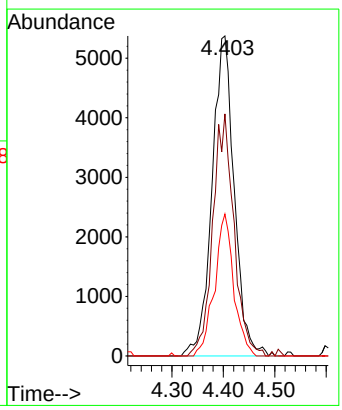
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

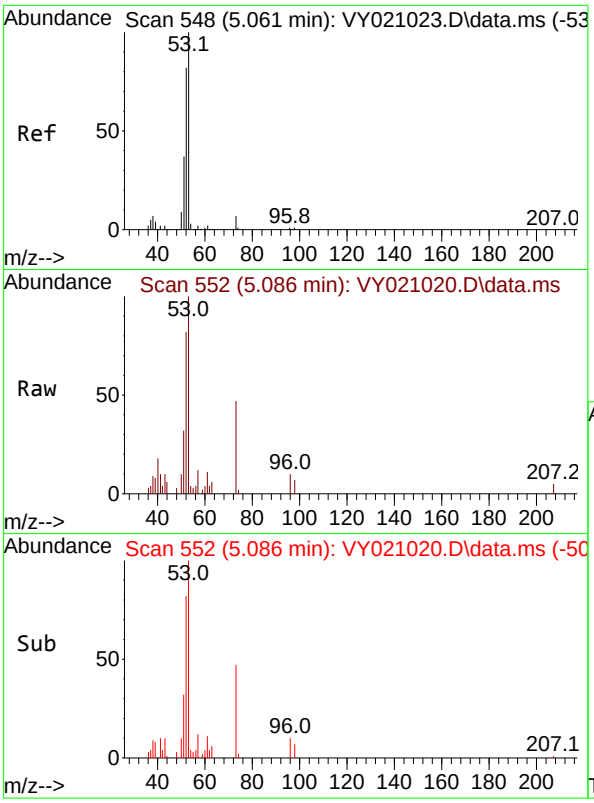


#14
Allyl chloride
Concen: 7.456 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 41 Resp: 16131

Ion	Ratio	Lower	Upper
41	100		
39	71.9	53.5	80.3
76	38.4	34.6	52.0





#15
Acrylonitrile
Concen: 33.047 ug/l
RT: 5.086 min Scan# 5
Delta R.T. 0.019 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

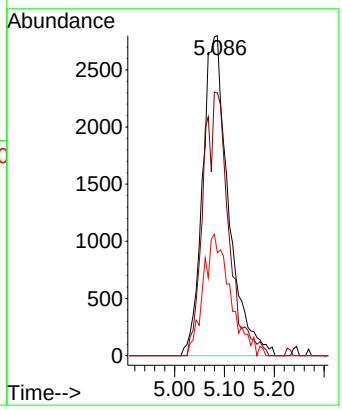
Tgt Ion: 53 Resp: 1013

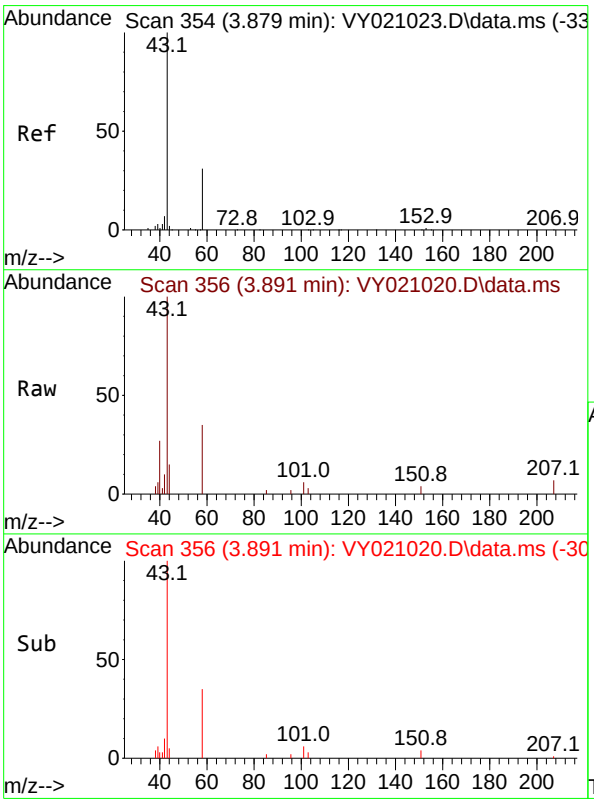
Ion	Ratio	Lower	Upper
53	100		
52	50.1	66.2	99.4
51	39.5	29.4	44.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

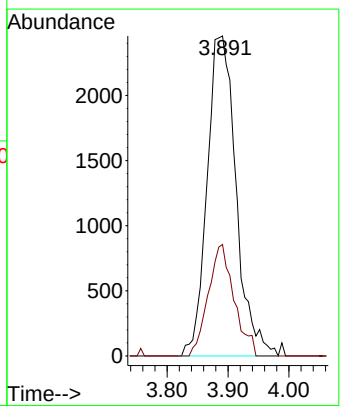


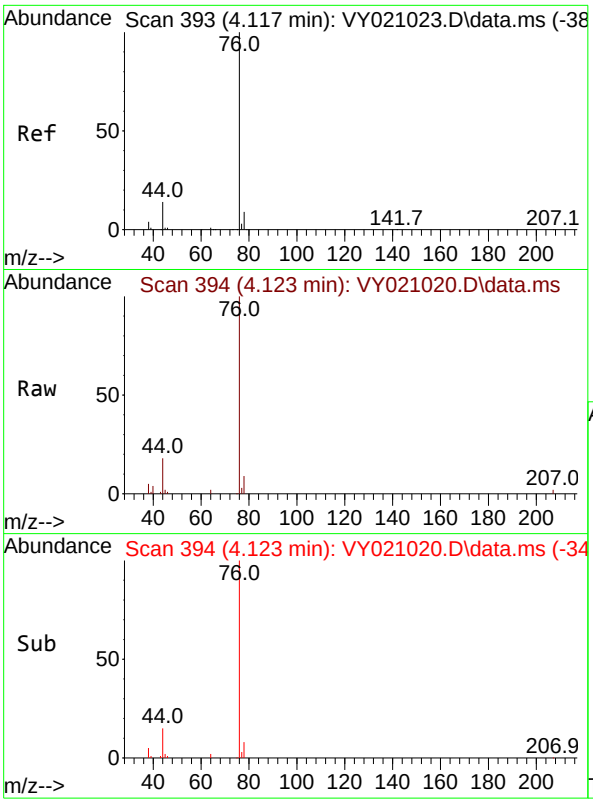


#16
Acetone
Concen: 37.678 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.019 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 8118

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.4	42.6

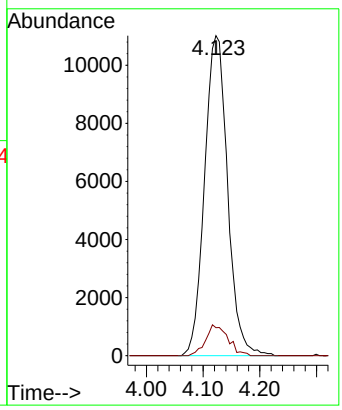




#17
Carbon Disulfide
Concen: 6.417 ug/l
RT: 4.123 min Scan# 3
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 76 Resp: 3106

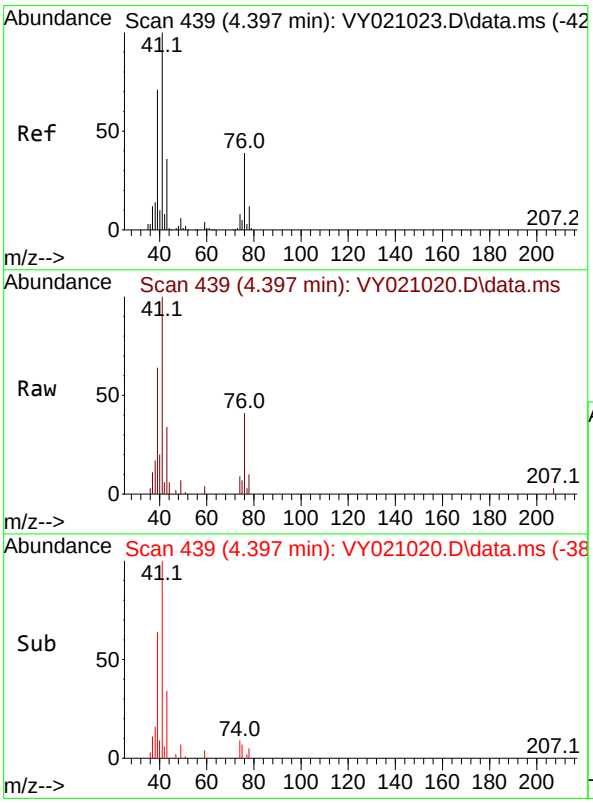
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

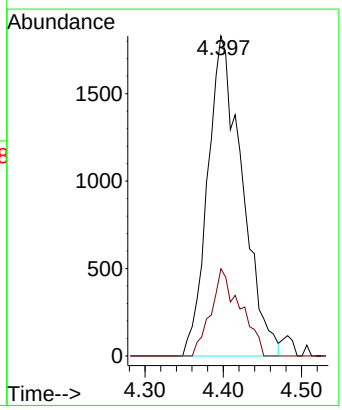
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

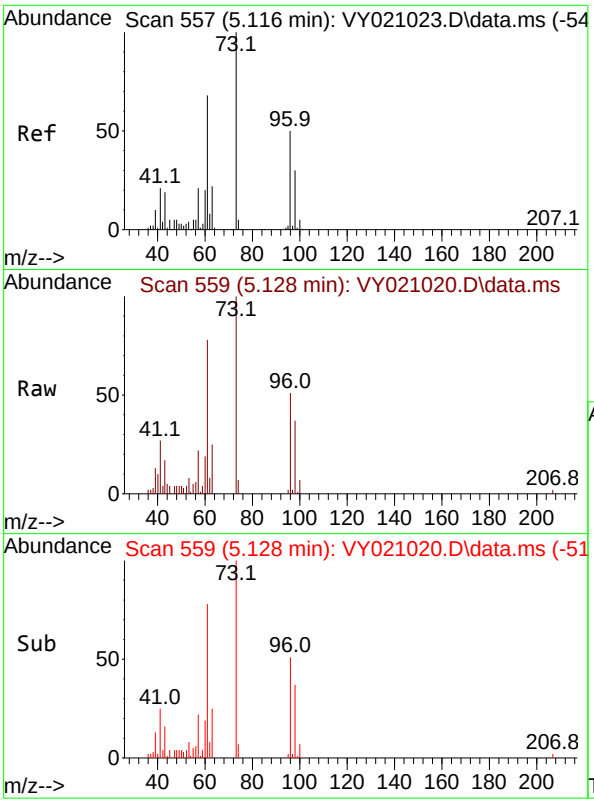


#18
Methyl Acetate
Concen: 7.397 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 5577

Ion	Ratio	Lower	Upper
43	100		
74	23.4	22.2	33.4

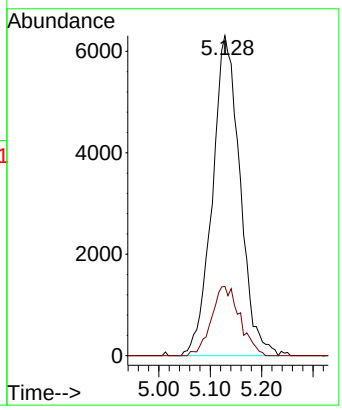




#19
Methyl tert-butyl Ether
Concen: 6.452 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 73 Resp: 2360

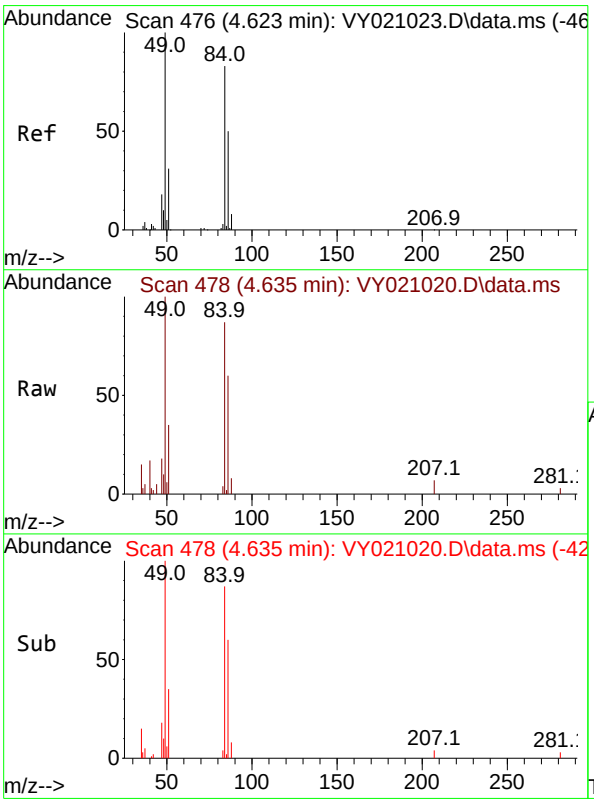
Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.6	25.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

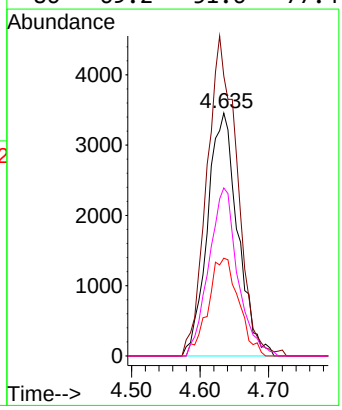
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

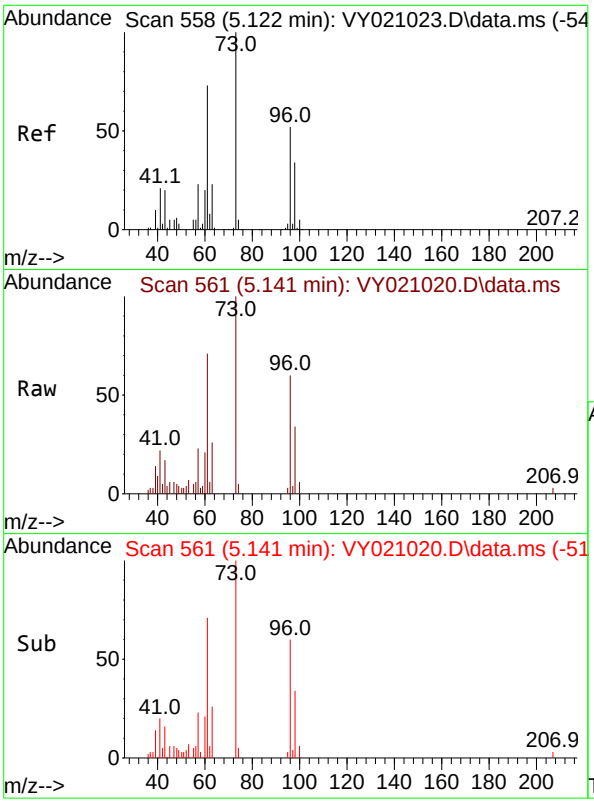


#20
Methylene Chloride
Concen: 6.661 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 84 Resp: 10585

Ion	Ratio	Lower	Upper
84	100		
49	115.3	88.3	132.5
51	40.2	27.7	41.5
86	69.2	51.6	77.4

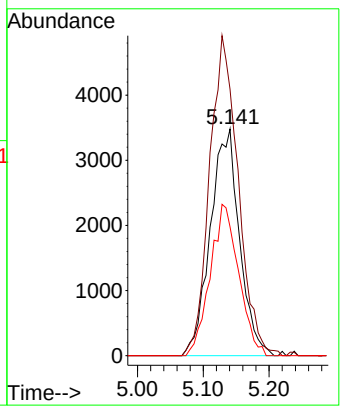




#21
trans-1,2-Dichloroethene
Concen: 6.364 ug/l
RT: 5.141 min Scan# 5
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 96 Resp: 1072

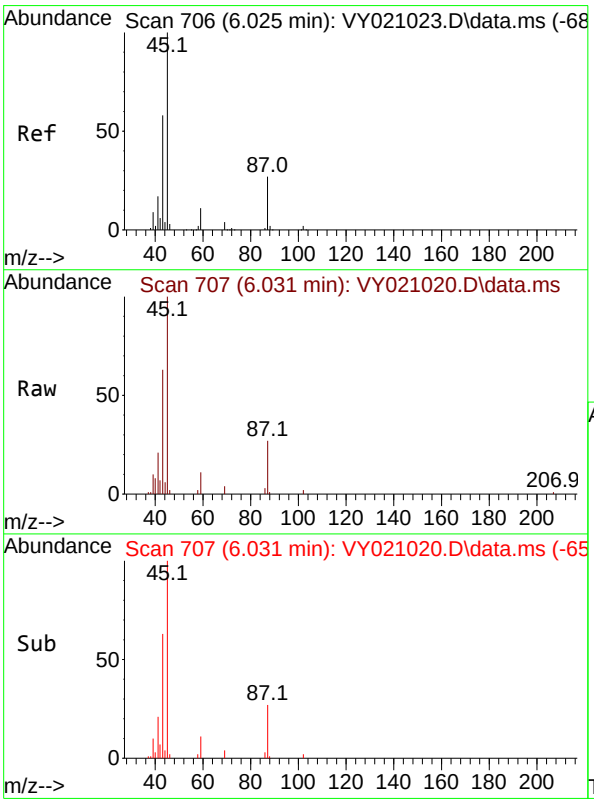
Ion	Ratio	Lower	Upper
96	100		
61	117.6	101.5	152.3
98	56.8	52.0	78.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

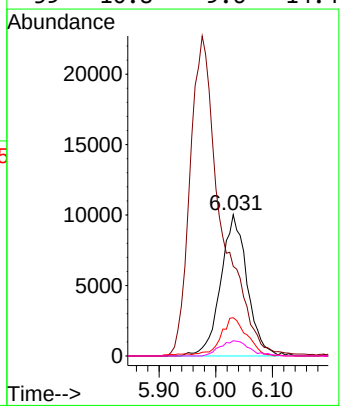
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

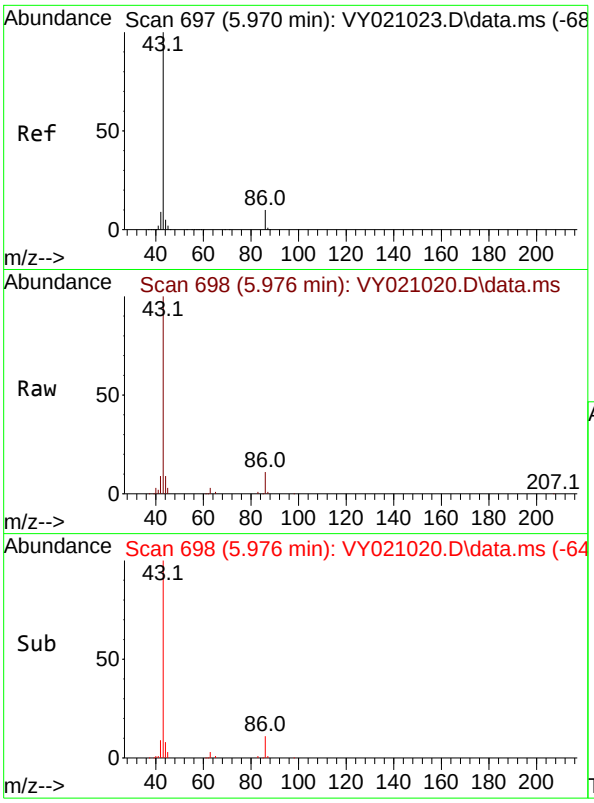


#22
Diisopropyl ether
Concen: 7.329 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 45 Resp: 32323

Ion	Ratio	Lower	Upper
45	100		
43	60.4	45.1	67.7
87	26.3	25.0	37.4
59	10.8	9.6	14.4





#23
Vinyl Acetate
Concen: 35.621 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

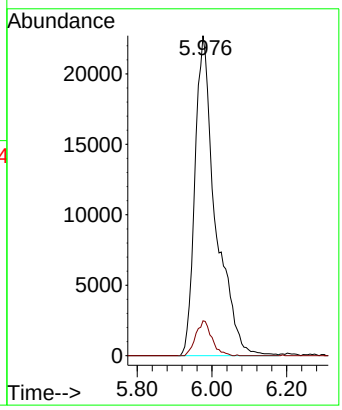
Tgt Ion: 43 Resp: 8700

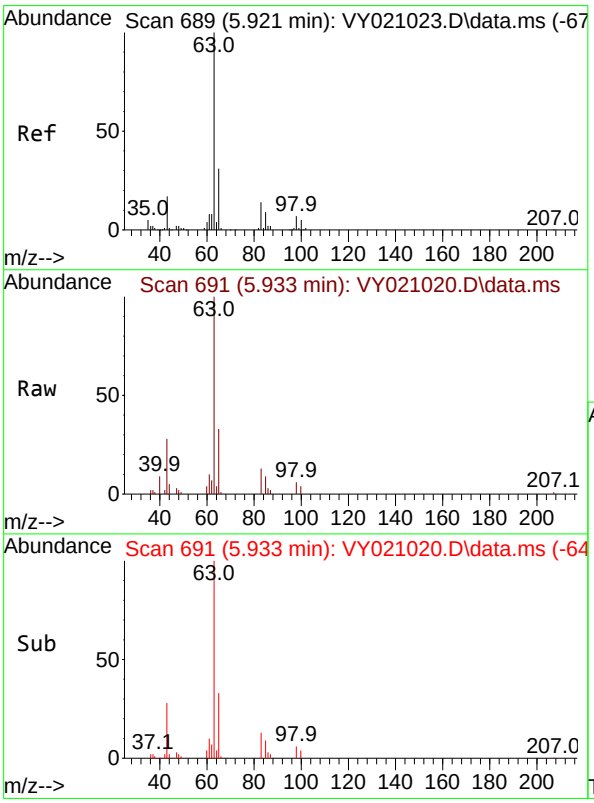
Ion	Ratio	Lower	Upper
43	100		
86	10.9	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

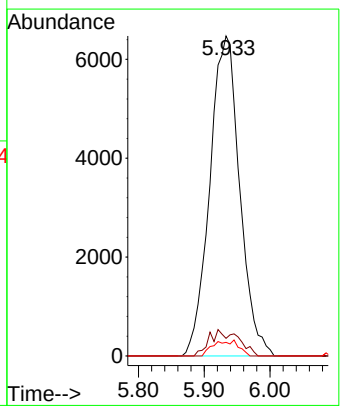


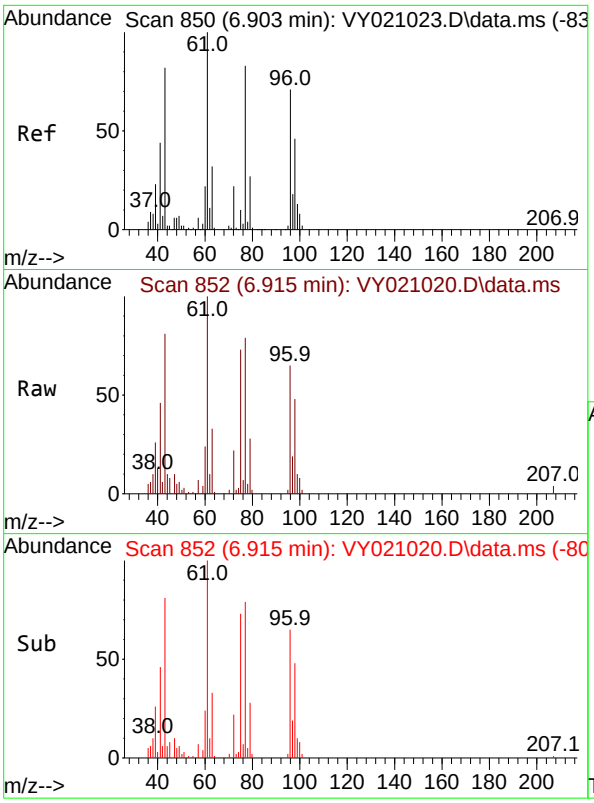


#24
1,1-Dichloroethane
Concen: 7.202 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 63 Resp: 20490

Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.7	11.1
100	4.3	2.4	7.2





#25
2-Butanone
Concen: 34.105 ug/l
RT: 6.915 min Scan# 8
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

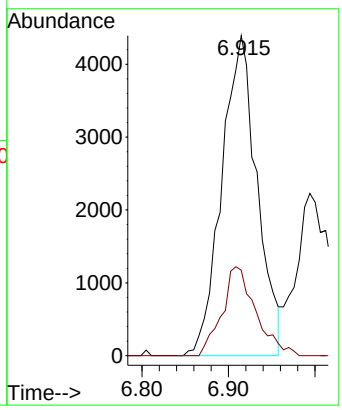
Tgt Ion: 43 Resp: 1246

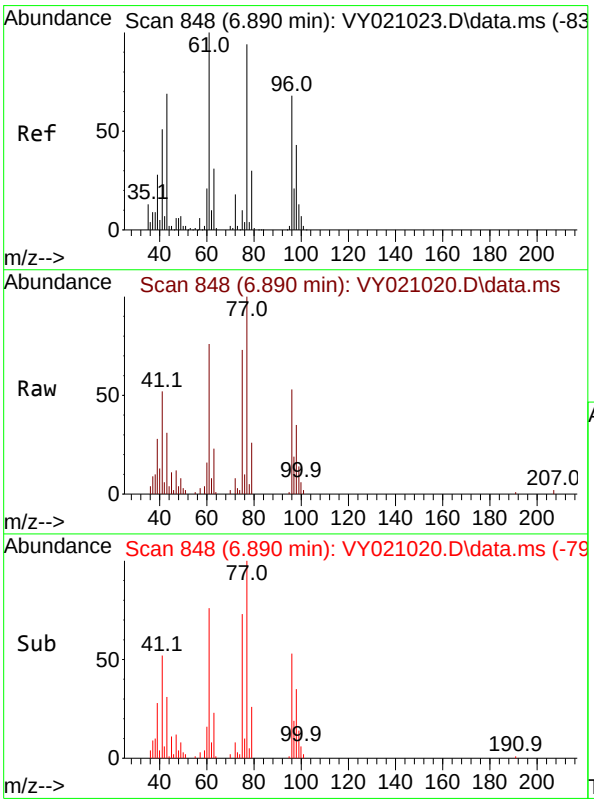
Ion	Ratio	Lower	Upper
43	100		
72	26.7	24.3	36.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

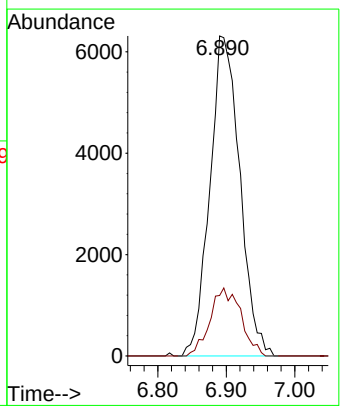


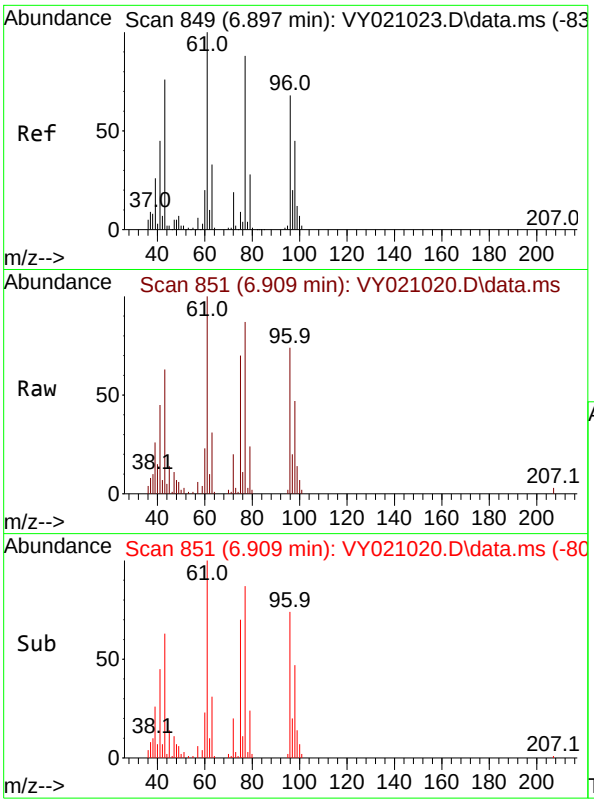


#26
2,2-Dichloropropane
Concen: 6.834 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 77 Resp: 19144

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.4	34.2

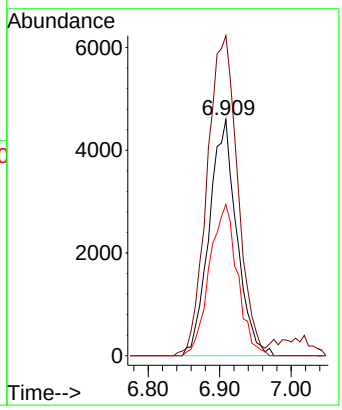




#27
cis-1,2-Dichloroethene
Concen: 6.350 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 96 Resp: 1229

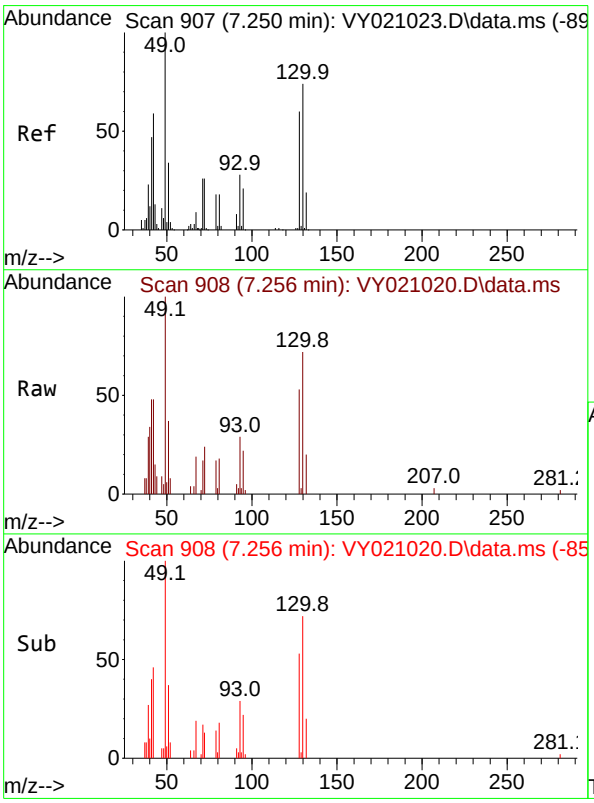
Ion	Ratio	Lower	Upper
96	100		
61	150.2	0.0	274.0
98	65.1	0.0	130.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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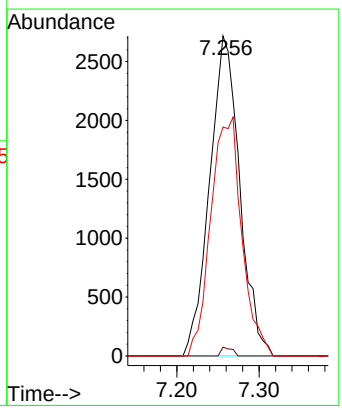
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

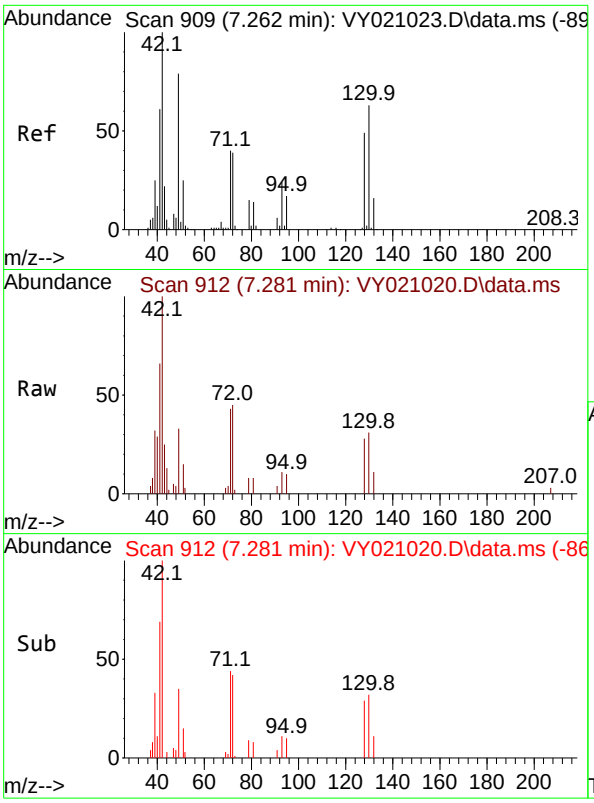


#28
Bromochloromethane
Concen: 6.527 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 49 Resp: 6919

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	5.0
130	76.6	73.2	109.8

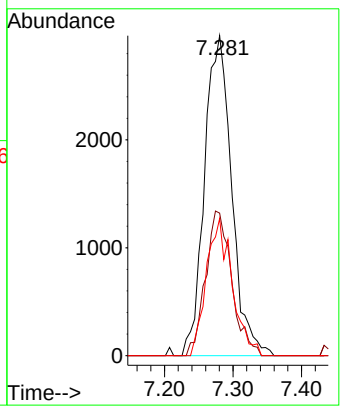




#29
Tetrahydrofuran
Concen: 33.310 ug/l
RT: 7.281 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 42 Resp: 819

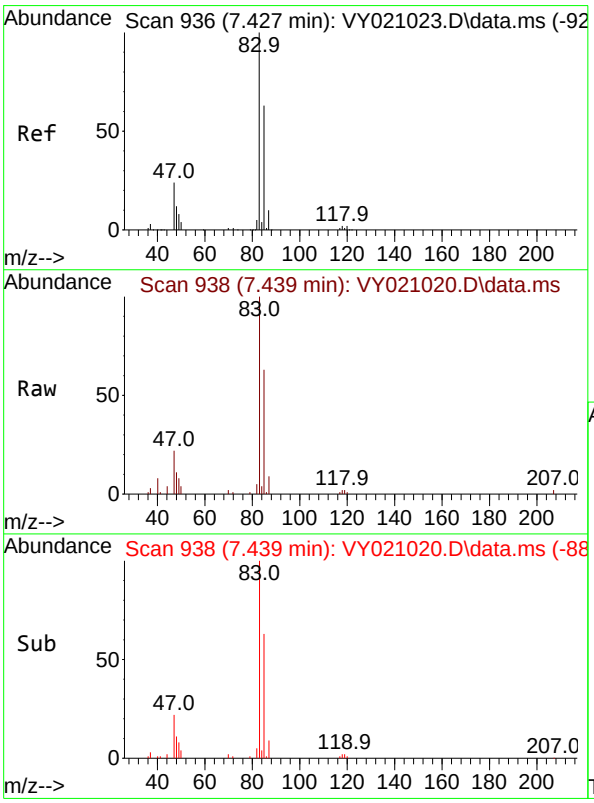
Ion	Ratio	Lower	Upper
42	100		
72	43.4	39.3	58.9
71	40.6	36.1	54.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

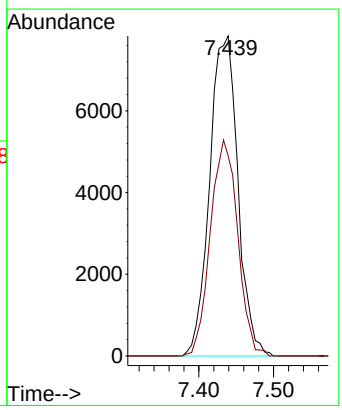
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

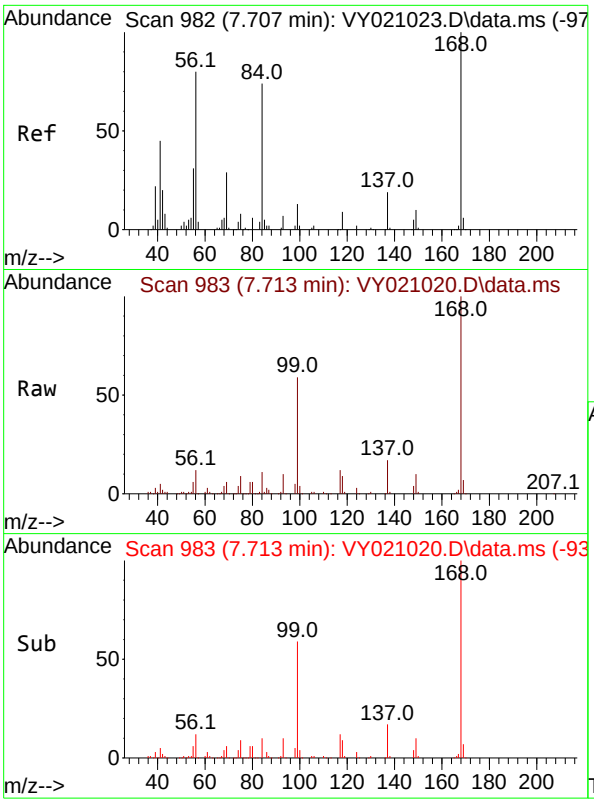


#30
Chloroform
Concen: 6.669 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 83 Resp: 20552

Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.9	79.3





#31
Cyclohexane
Concen: 7.295 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

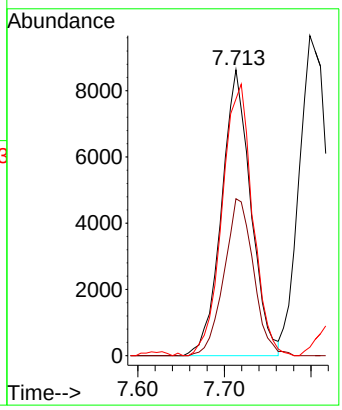
Tgt Ion: 56 Resp: 2028

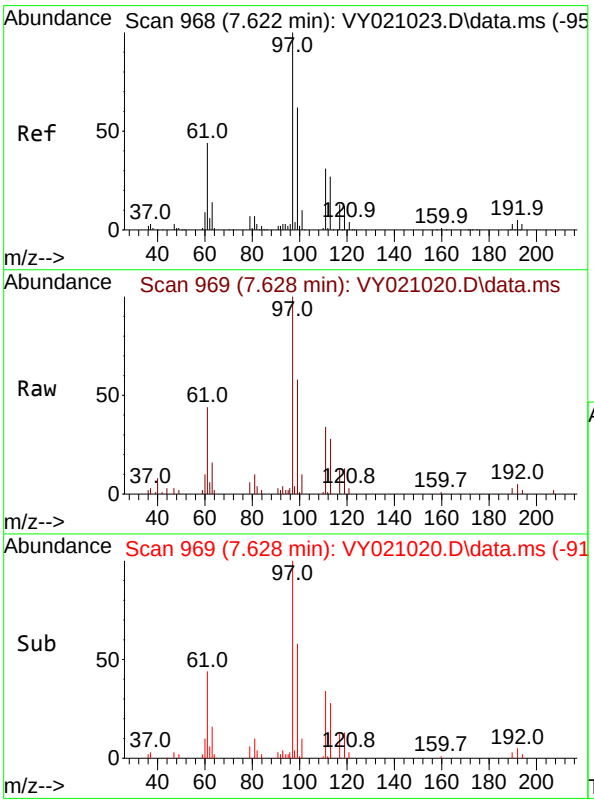
Ion	Ratio	Lower	Upper
56	100		
69	54.9	27.7	41.5
84	88.9	77.5	116.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

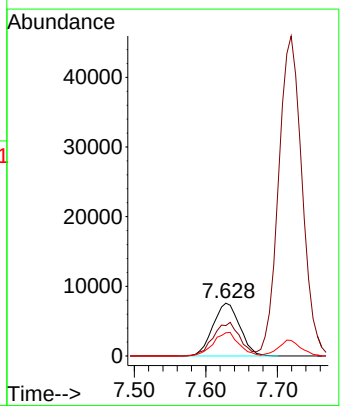


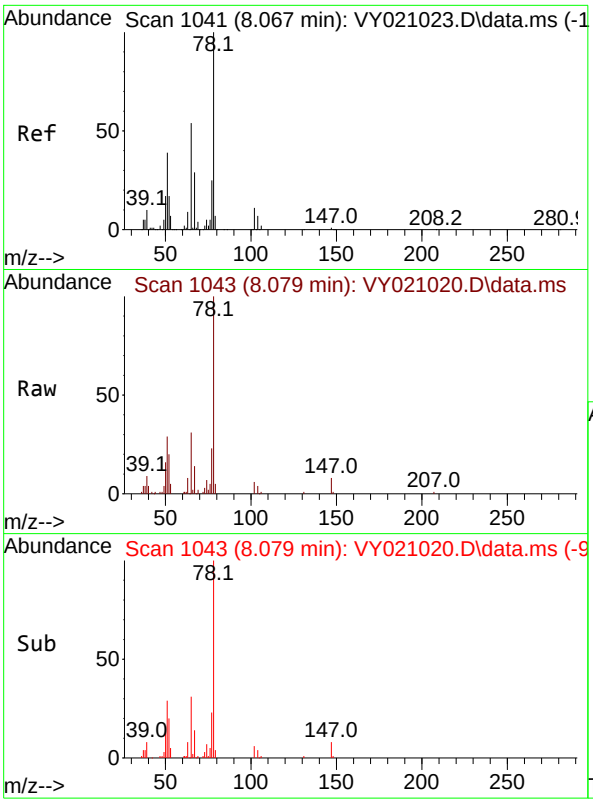


#32
1,1,1-Trichloroethane
Concen: 6.645 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 97 Resp: 19818

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.4	77.0
61	42.5	31.4	47.0

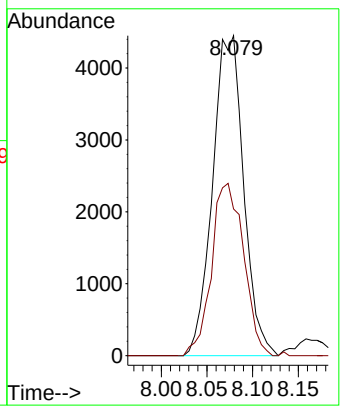




#33
1,2-Dichloroethane-d4
Concen: 6.651 ug/l
RT: 8.079 min Scan# 1
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 65 Resp: 1051

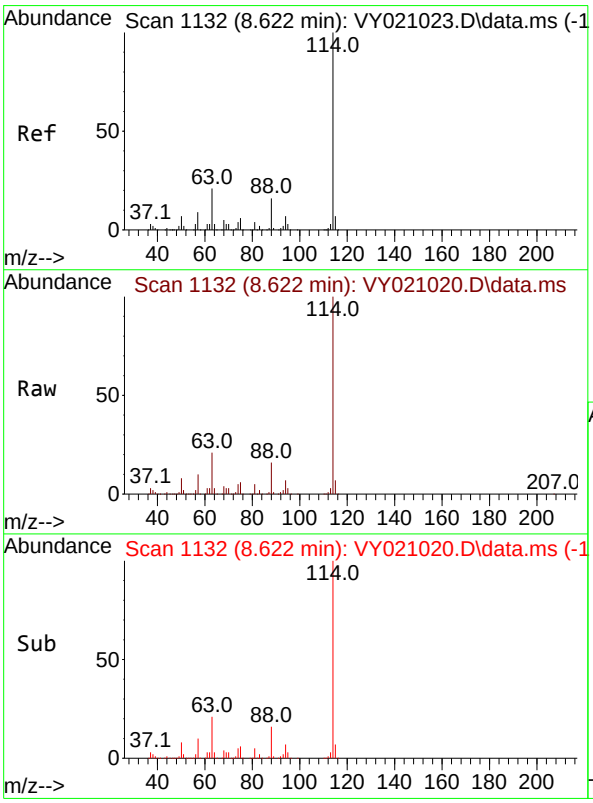
Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	104.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

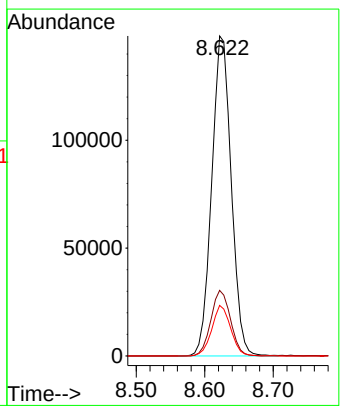
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

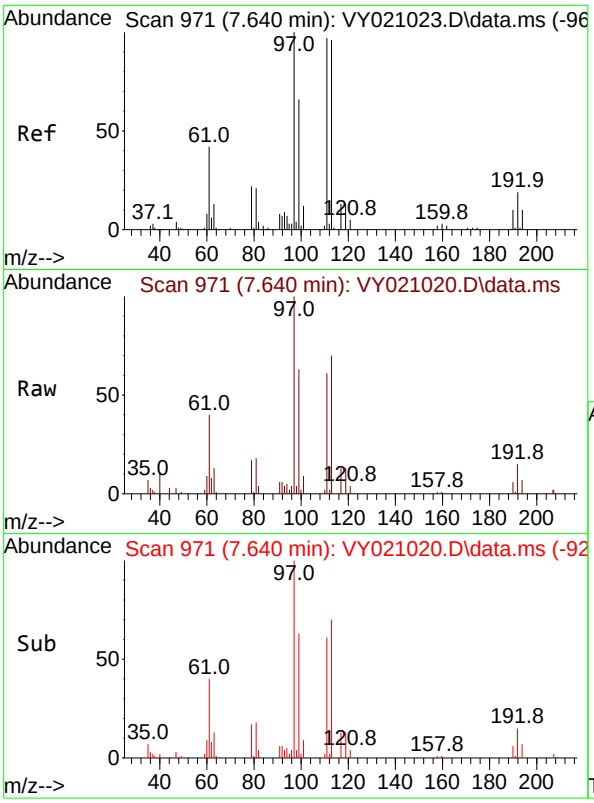


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:114 Resp: 293189

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	37.2
88	15.8	0.0	29.6

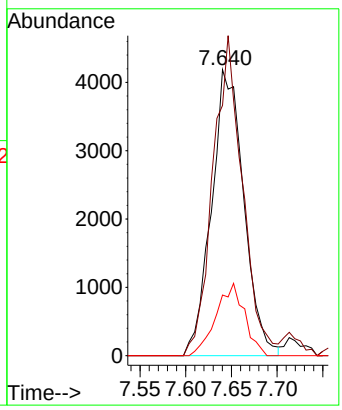




#35
Dibromofluoromethane
Concen: 5.840 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:113 Resp: 1029

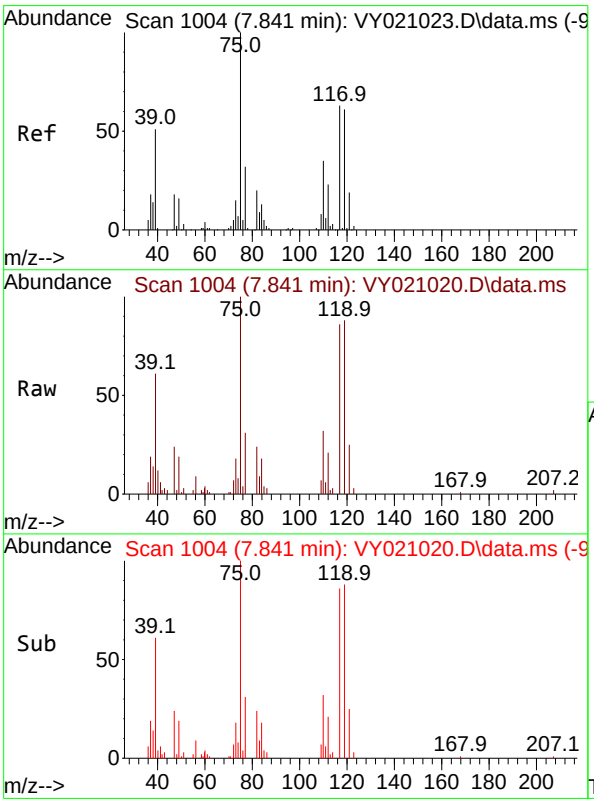
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	22.3	16.8	25.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

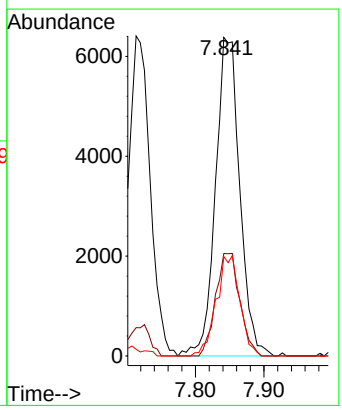
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

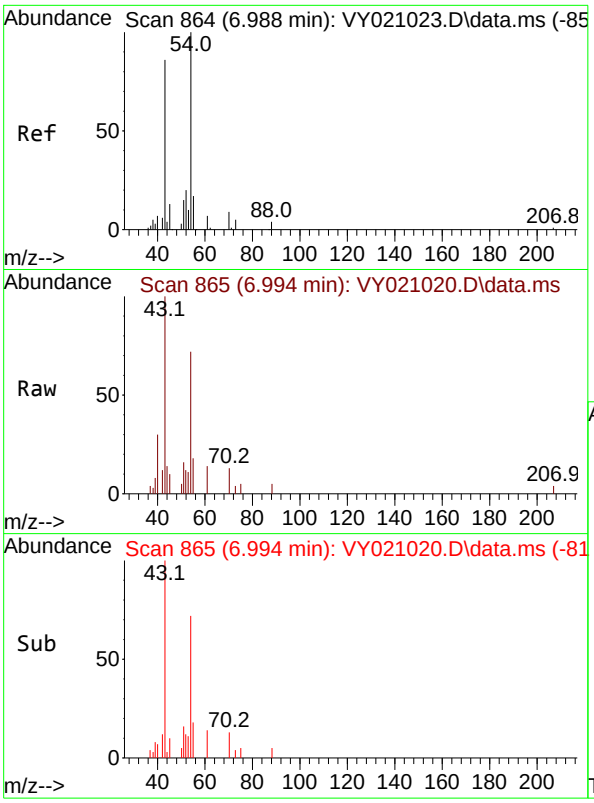


#36
1,1-Dichloropropene
Concen: 6.231 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 15667

Ion	Ratio	Lower	Upper
75	100		
110	31.9	18.4	55.2
77	30.6	24.9	37.3





#37
Ethyl Acetate
Concen: 6.809 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

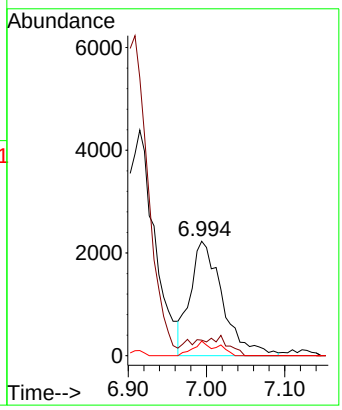
Tgt Ion: 43 Resp: 638

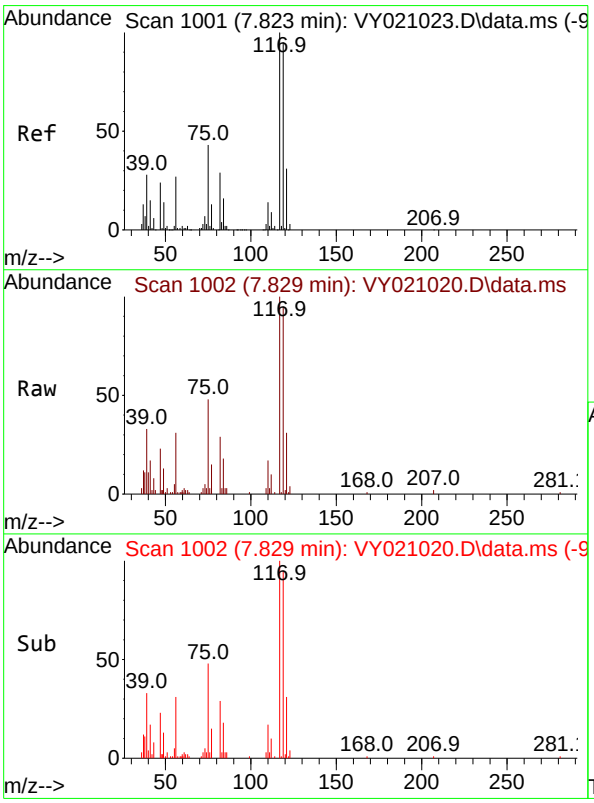
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	6.2	9.6	14.4#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

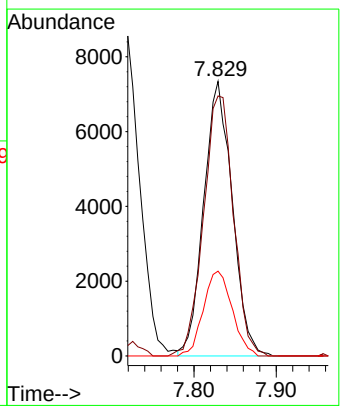


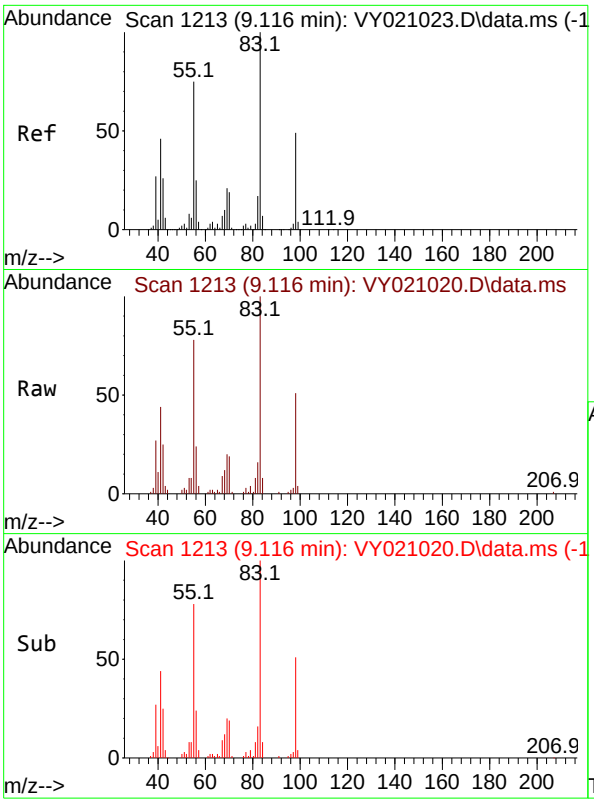


#38
Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:117 Resp: 17709

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.0	112.6
121	30.9	24.2	36.2





#39
Methylcyclohexane
Concen: 5.287 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

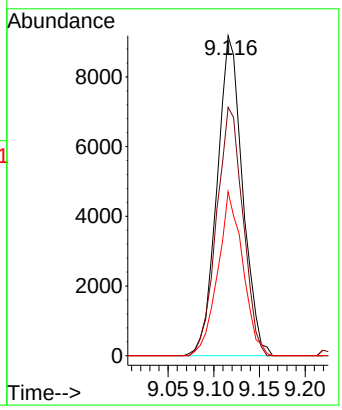
Tgt Ion: 83 Resp: 1786

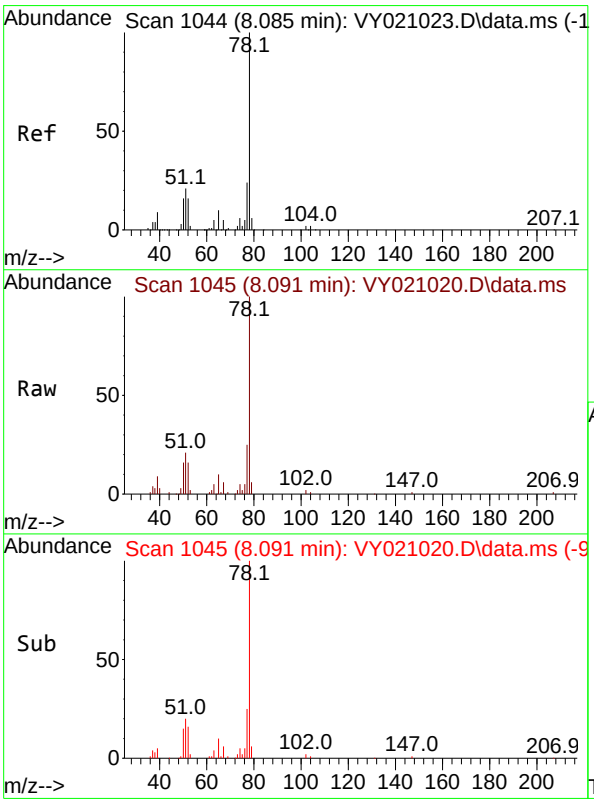
Ion	Ratio	Lower	Upper
83	100		
55	77.6	54.9	82.3
98	51.3	40.5	60.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

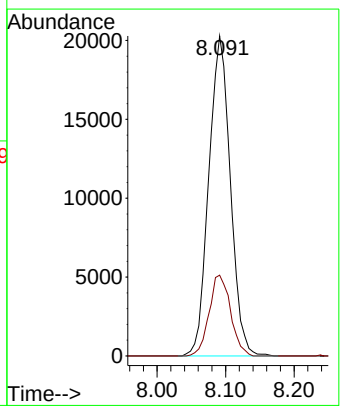


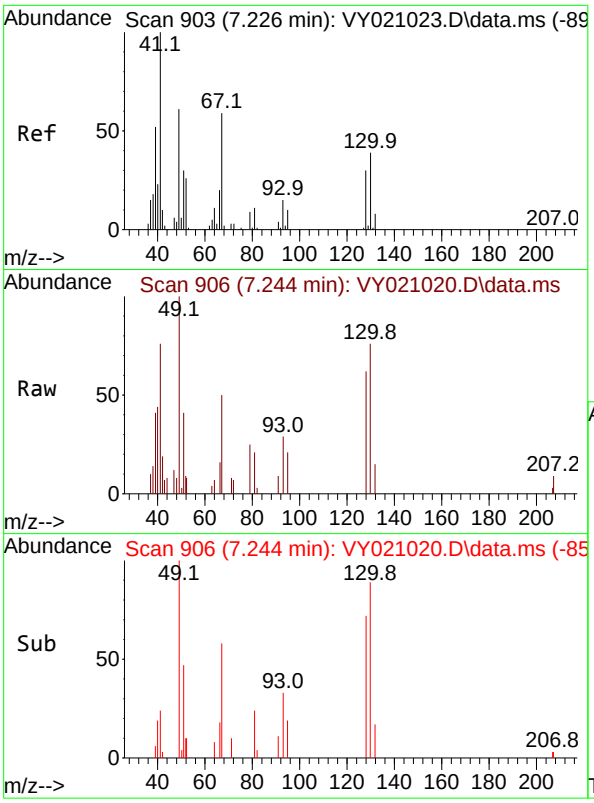


#40
Benzene
Concen: 5.991 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 78 Resp: 44324

Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.4	29.2

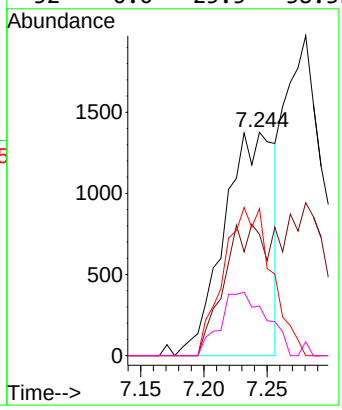




#41
Methacrylonitrile
Concen: 7.345 ug/l m
RT: 7.244 min Scan# 9
Delta R.T. 0.019 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 41 Resp: 381

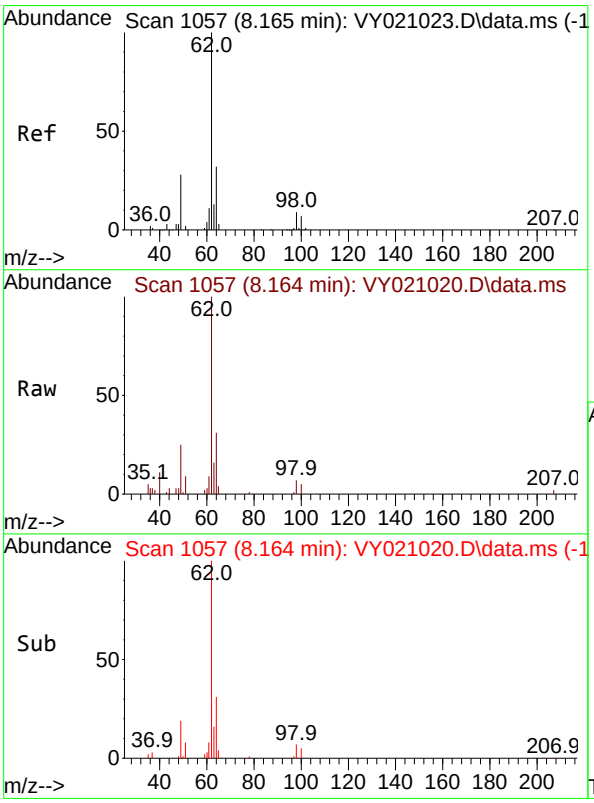
Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.6	62.4#
67	0.0	63.8	95.6#
52	0.0	25.5	38.3#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

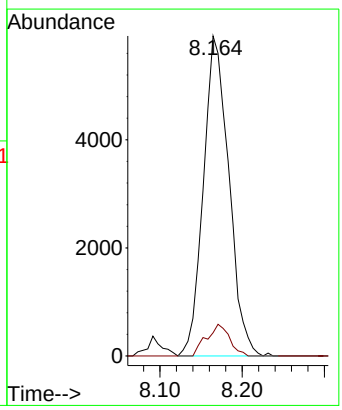
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

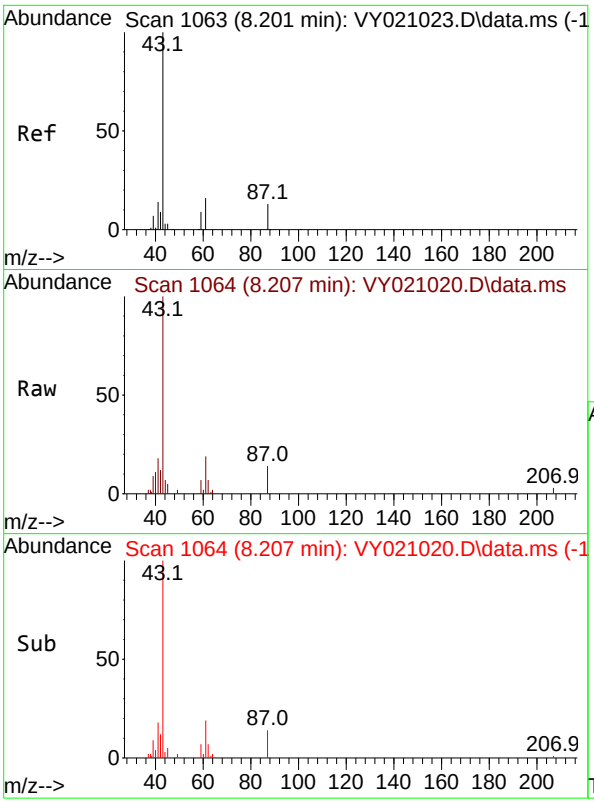


#42
1,2-Dichloroethane
Concen: 6.801 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 62 Resp: 12762

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.4

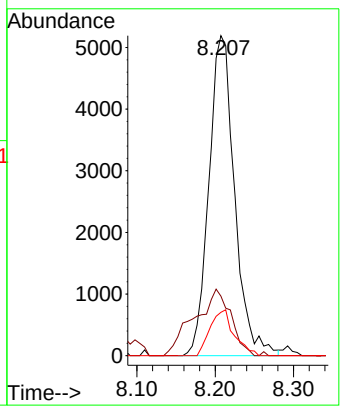




#43
Isopropyl Acetate
Concen: 6.321 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 1183

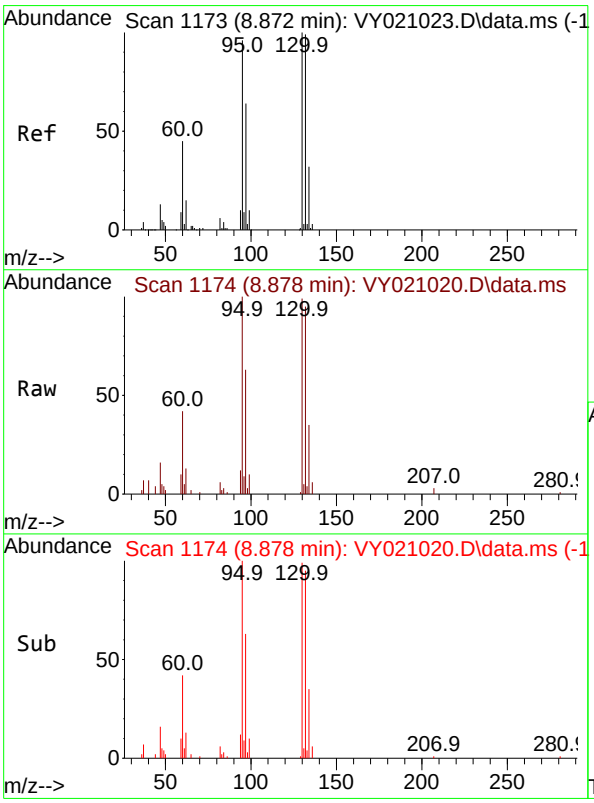
Ion	Ratio	Lower	Upper
43	100		
61	29.5	15.8	23.6
87	13.3	12.5	18.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

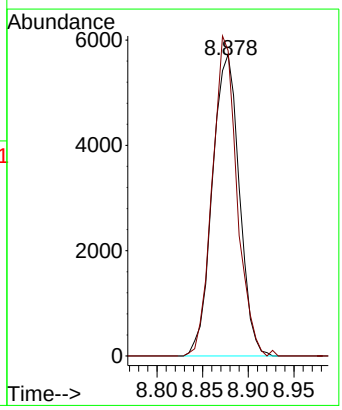
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

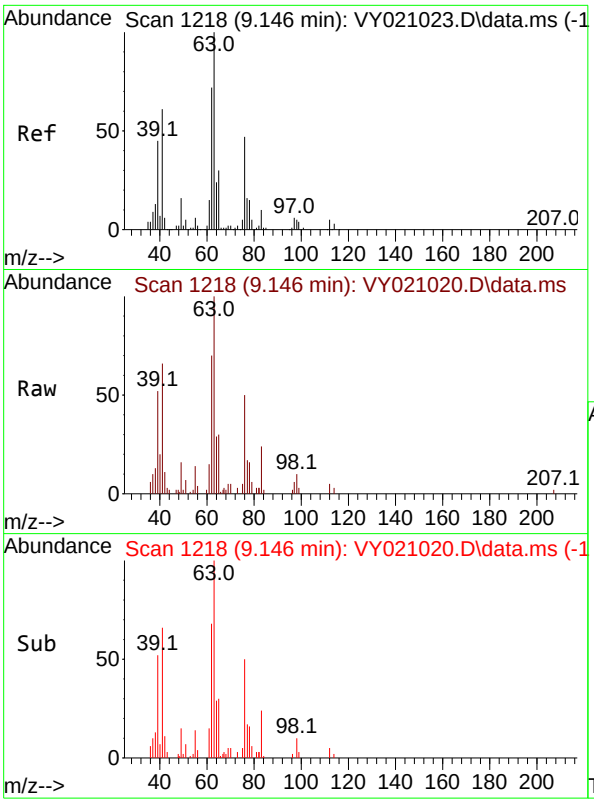


#44
Trichloroethene
Concen: 5.756 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:130 Resp: 11751

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	189.6

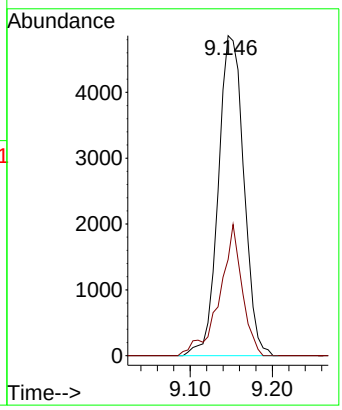




#45
1,2-Dichloropropane
Concen: 6.318 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 63 Resp: 1047

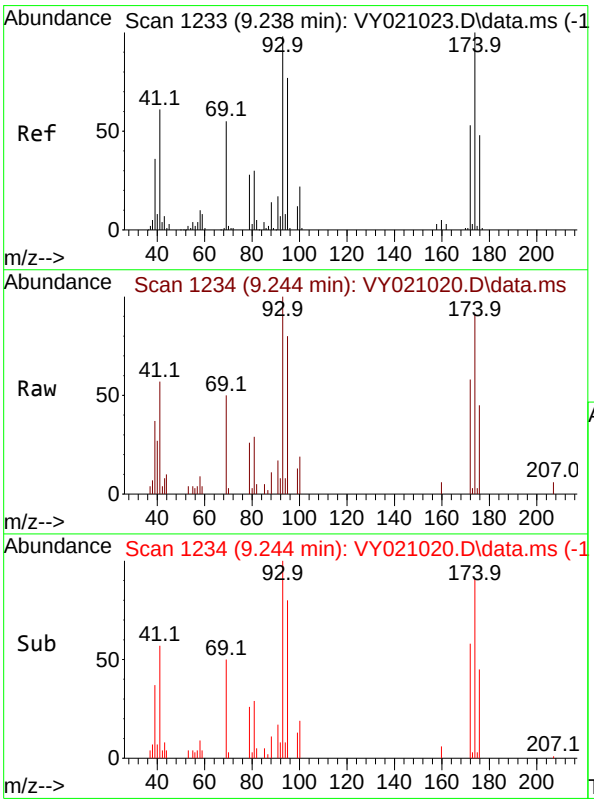
Ion	Ratio	Lower	Upper
63	100		
65	30.1	23.6	35.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

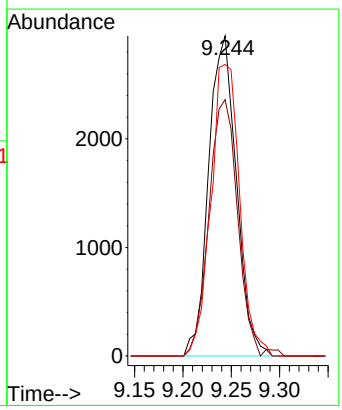
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

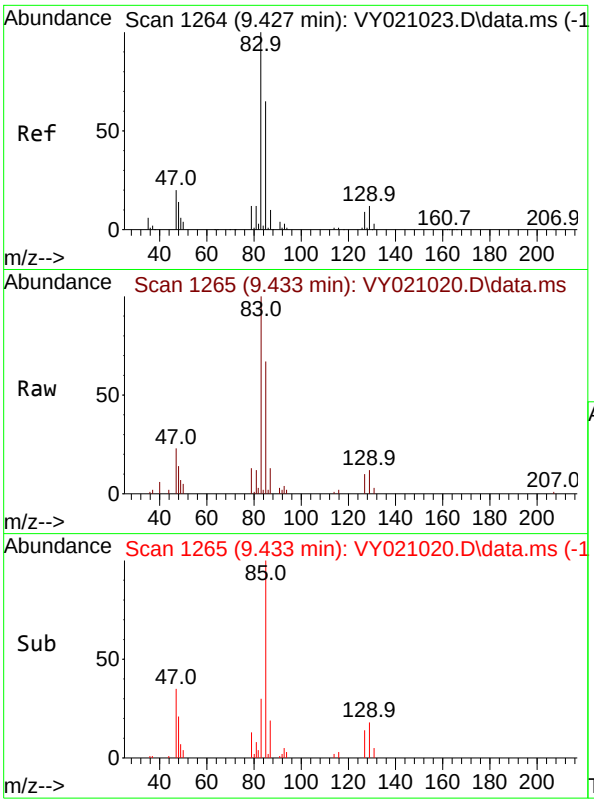


#46
Dibromomethane
Concen: 6.098 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 93 Resp: 5885

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	94.4	88.1	132.1





#47
Bromodichloromethane
Concen: 6.107 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

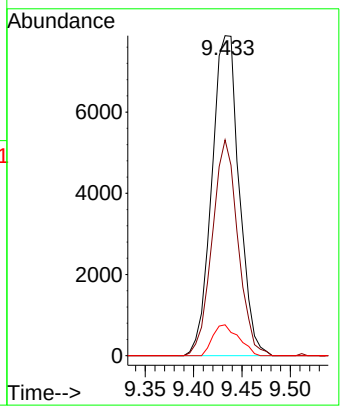
Tgt Ion: 83 Resp: 1547

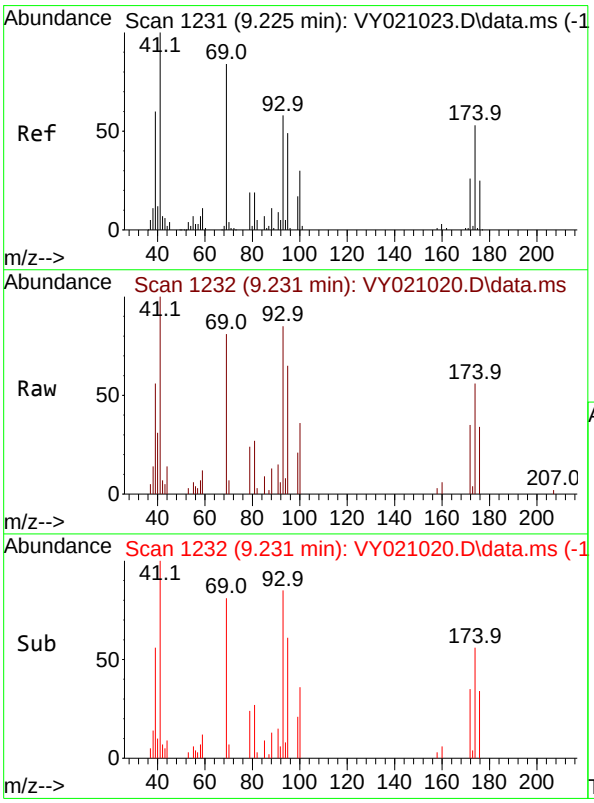
Ion	Ratio	Lower	Upper
83	100		
85	67.5	49.6	74.4
127	9.6	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

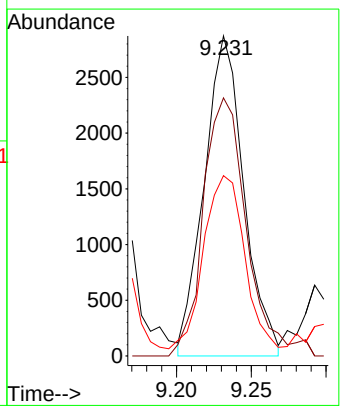


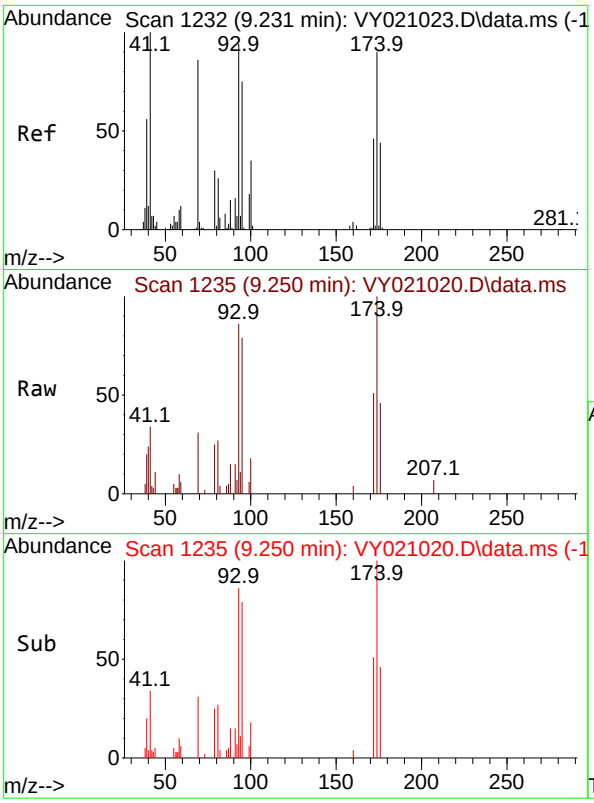


#48
Methyl methacrylate
Concen: 5.922 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 41 Resp: 5280

Ion	Ratio	Lower	Upper
41	100		
69	88.4	75.6	113.4
39	56.6	41.3	61.9





#49
1,4-Dioxane
Concen: 91.663 ug/l
RT: 9.250 min Scan# 1
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

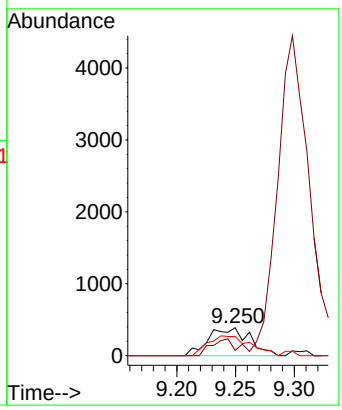
Tgt Ion: 88 Resp: 94

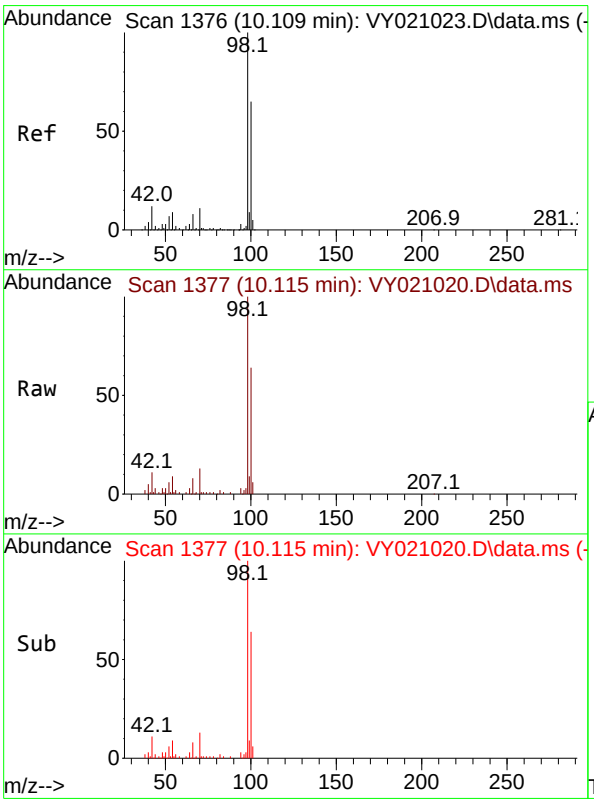
Ion	Ratio	Lower	Upper
88	100		
43	39.6	24.2	36.4
58	73.5	57.3	85.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

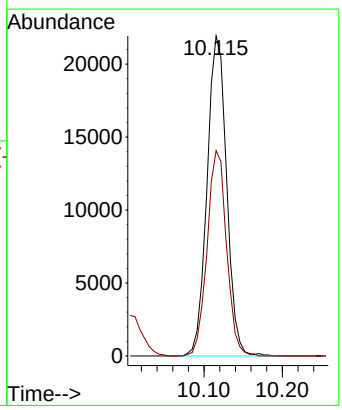


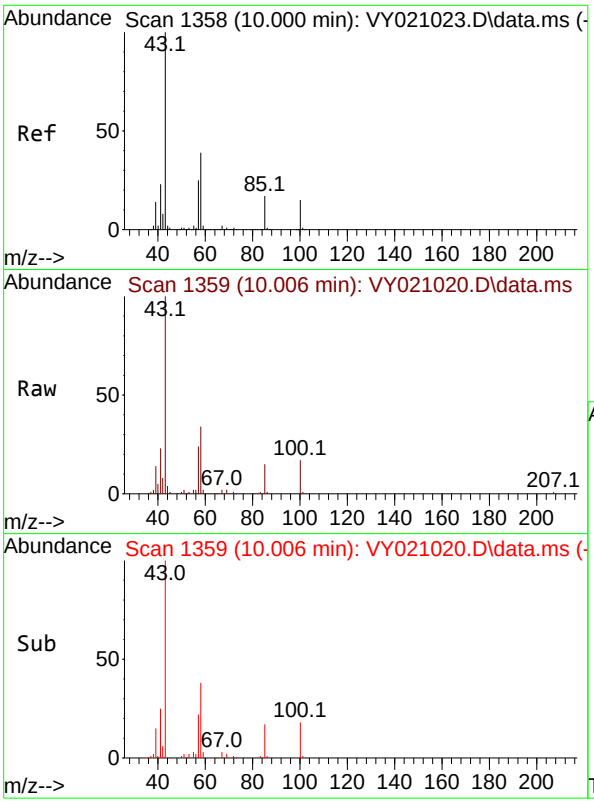


#50
Toluene-d8
Concen: 5.520 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 98 Resp: 37973

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.6	79.0

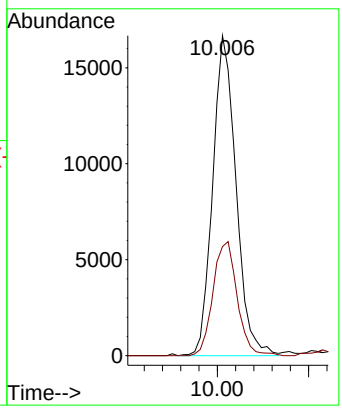




#51
4-Methyl-2-Pentanone
Concen: 30.730 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 2957

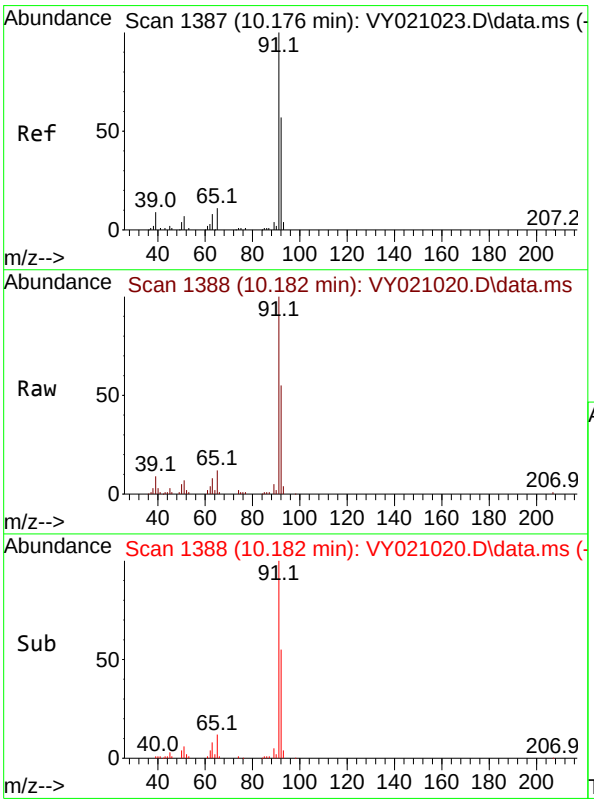
Ion	Ratio	Lower	Upper
43	100		
58	36.9	33.8	50.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

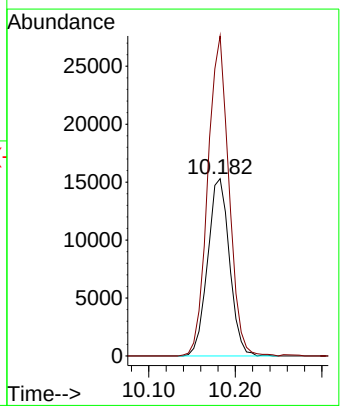
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

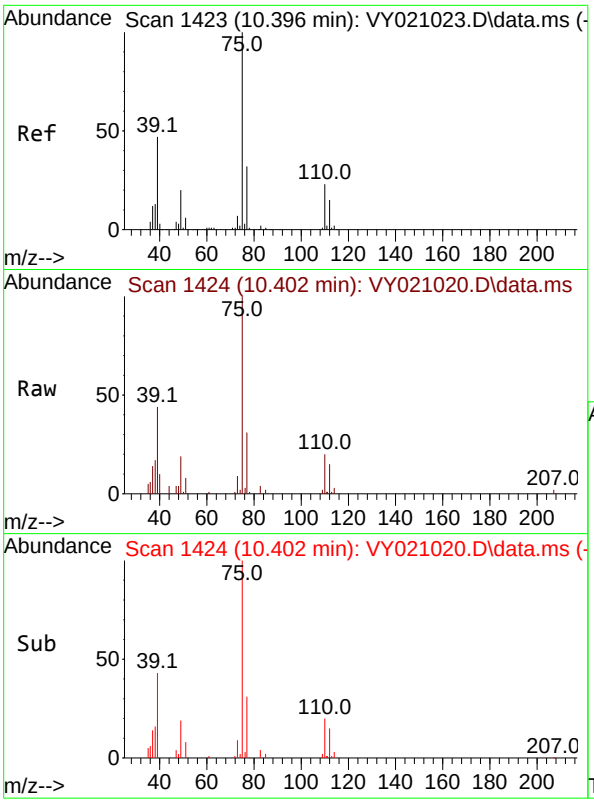


#52
Toluene
Concen: 5.572 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 92 Resp: 26760

Ion	Ratio	Lower	Upper
92	100		
91	174.8	135.8	203.8

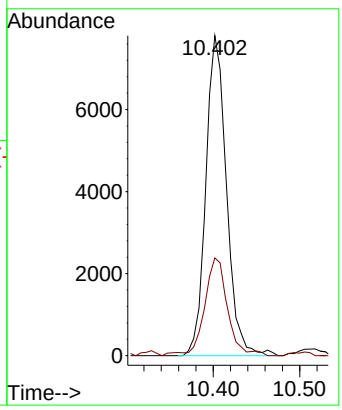




#53
t-1,3-Dichloropropene
Concen: 5.639 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 1293

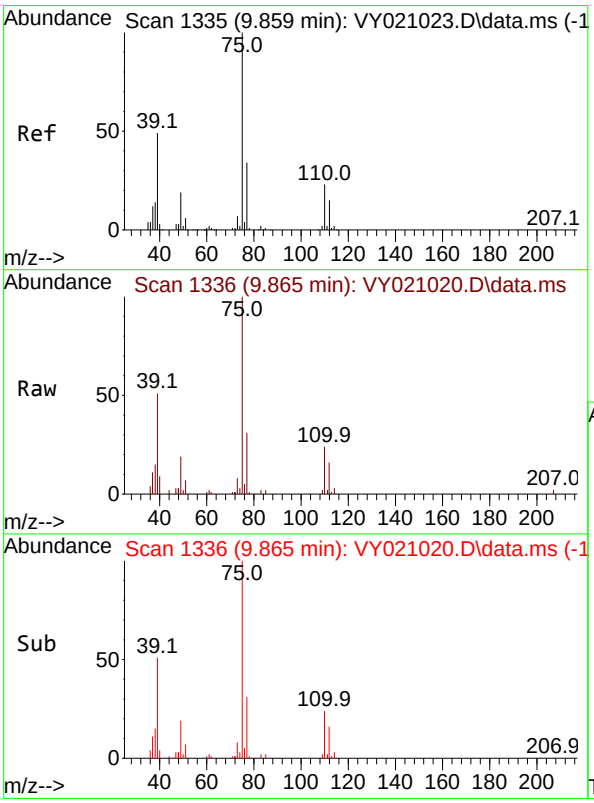
Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

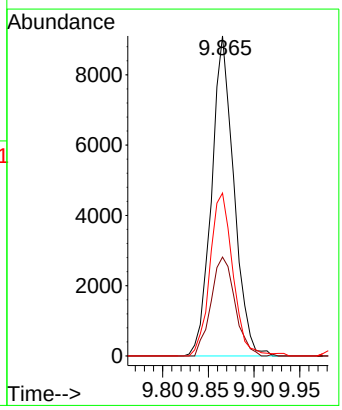
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

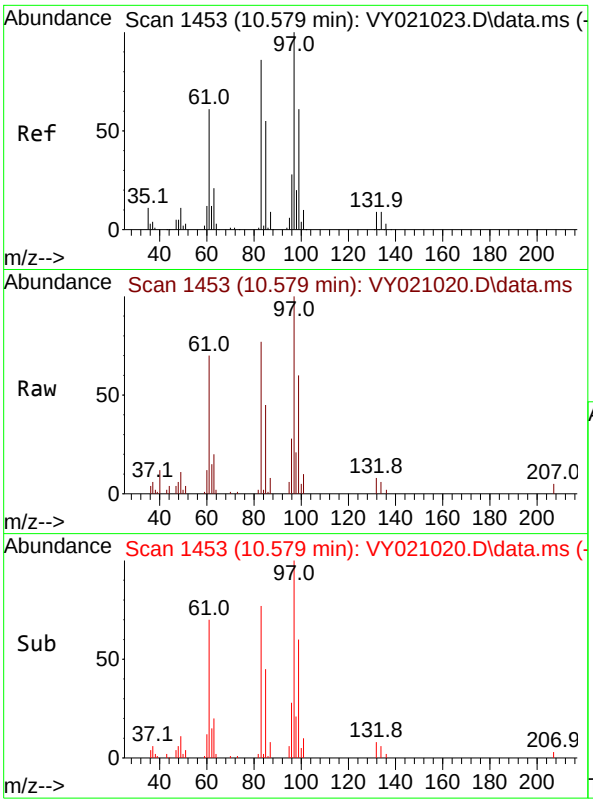


#54
cis-1,3-Dichloropropene
Concen: 5.650 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 15488

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	50.9	32.2	48.2#

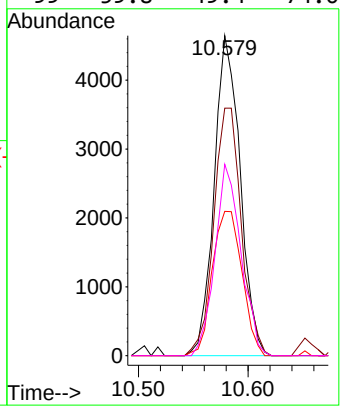




#55
1,1,2-Trichloroethane
Concen: 5.961 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 97 Resp: 765

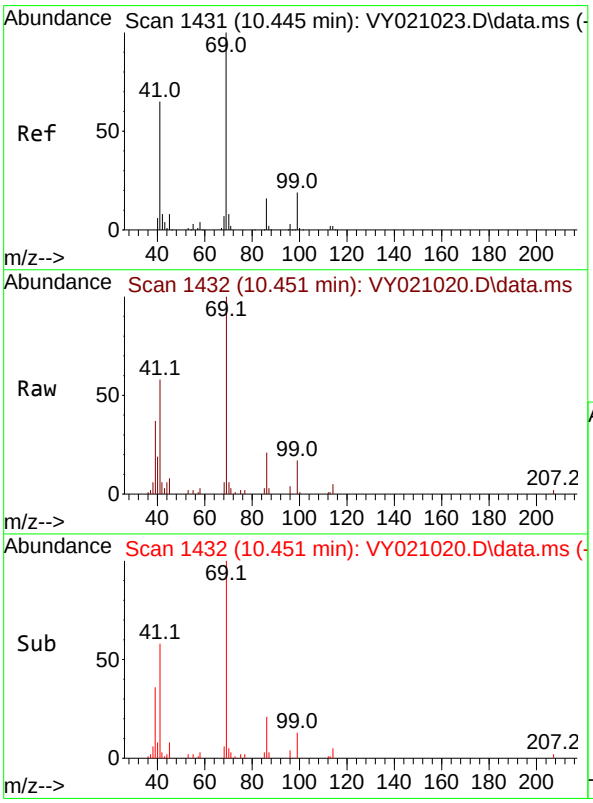
Ion	Ratio	Lower	Upper
97	100		
83	77.3	67.7	101.5
85	45.1	43.4	65.2
99	59.8	49.4	74.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

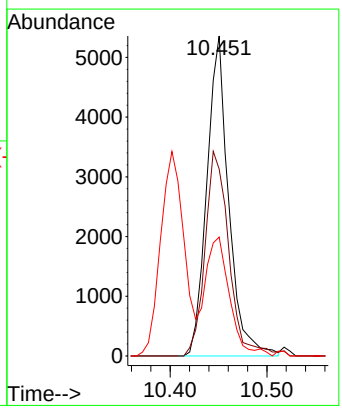
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

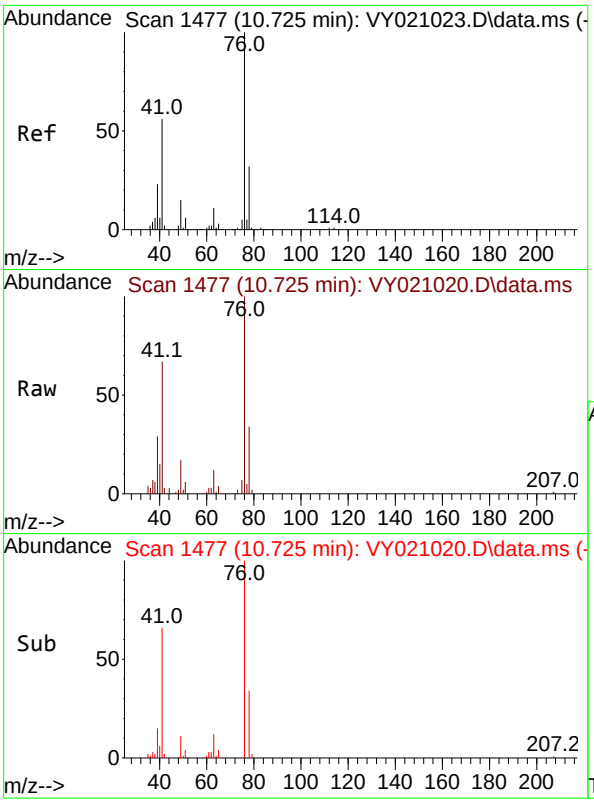


#56
Ethyl methacrylate
Concen: 5.018 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 69 Resp: 8418

Ion	Ratio	Lower	Upper
69	100		
41	70.1	46.3	69.5#
39	41.3	24.5	36.7#

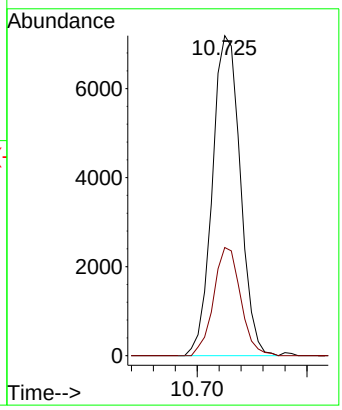




#57
1,3-Dichloropropane
Concen: 5.845 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 76 Resp: 1271

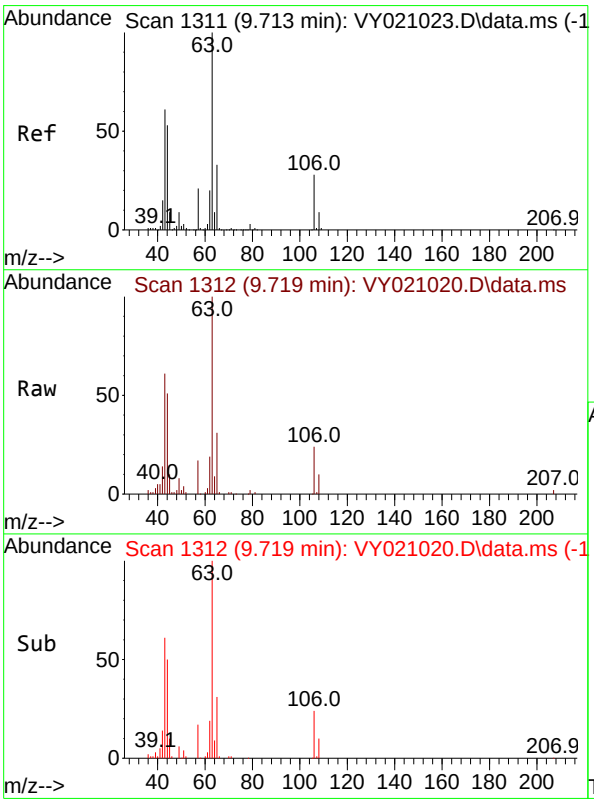
Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

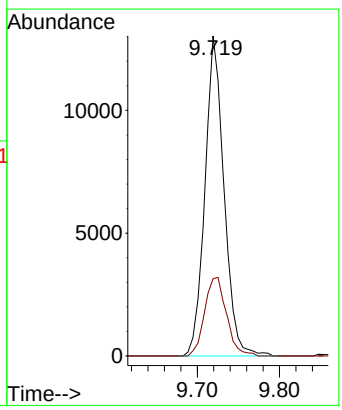
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

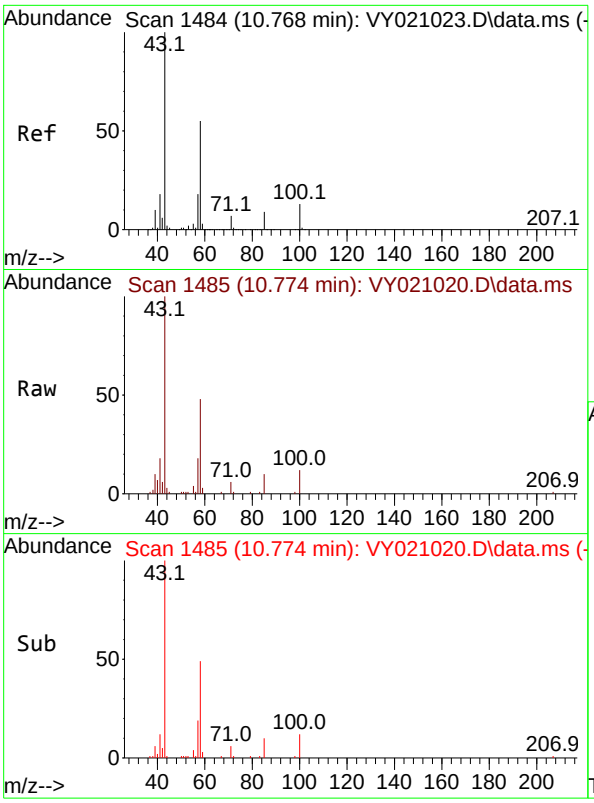


#58
2-Chloroethyl Vinyl ether
Concen: 29.542 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 63 Resp: 21035

Ion	Ratio	Lower	Upper
63	100		
106	28.1	24.7	37.1





#59
2-Hexanone
Concen: 29.030 ug/l
RT: 10.774 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

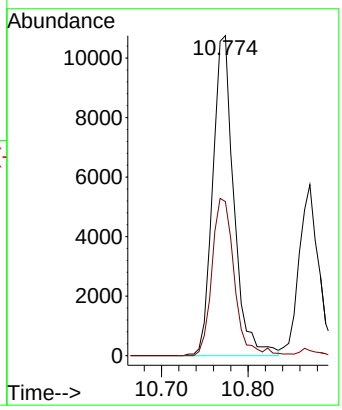
Tgt Ion: 43 Resp: 1815

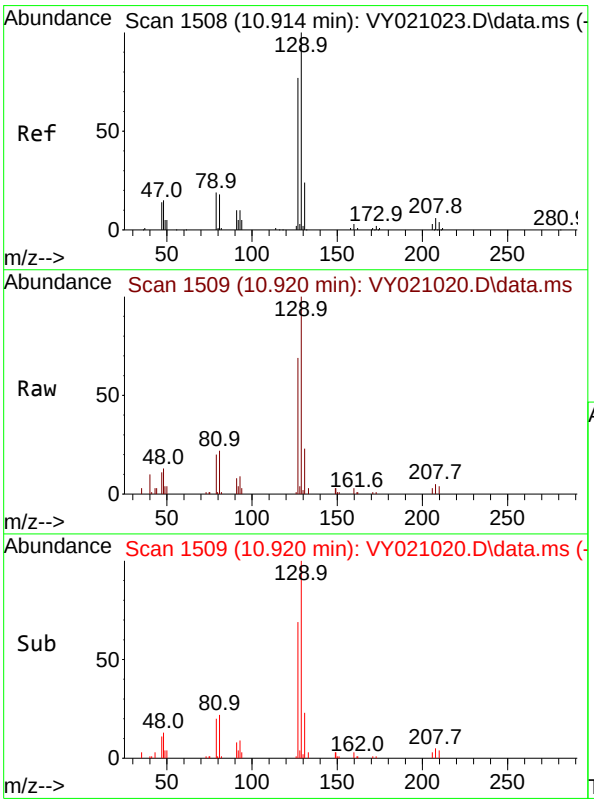
Ion	Ratio	Lower	Upper
43	100		
58	51.9	29.8	89.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

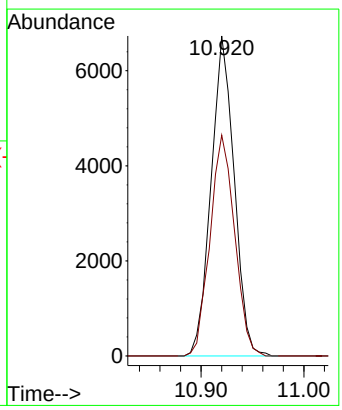


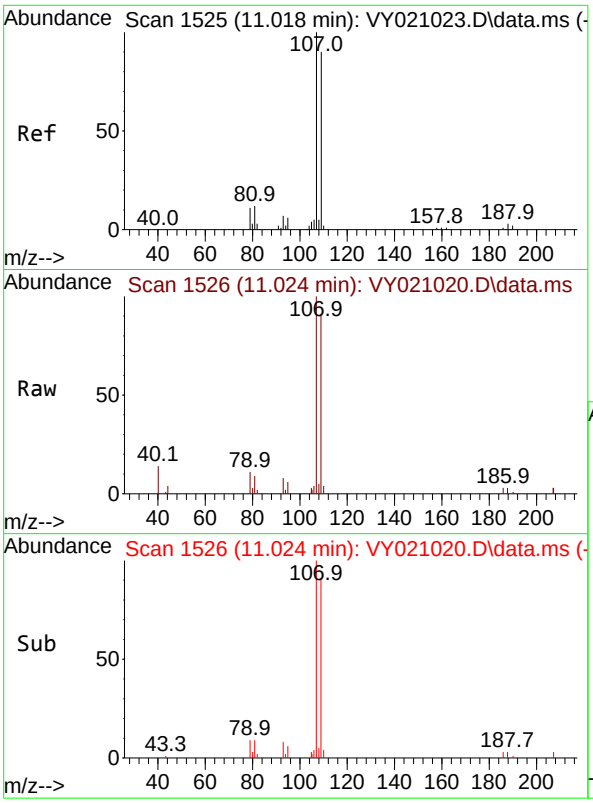


#60
Dibromochloromethane
Concen: 5.744 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:129 Resp: 10511

Ion	Ratio	Lower	Upper
129	100		
127	73.5	38.5	115.3

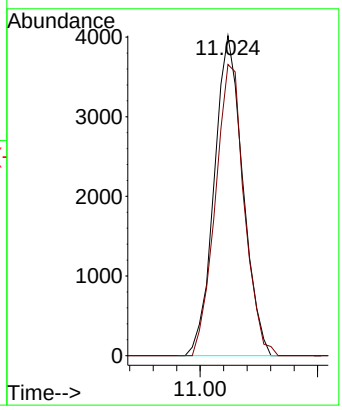




#61
1,2-Dibromoethane
Concen: 5.555 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:107 Resp: 681

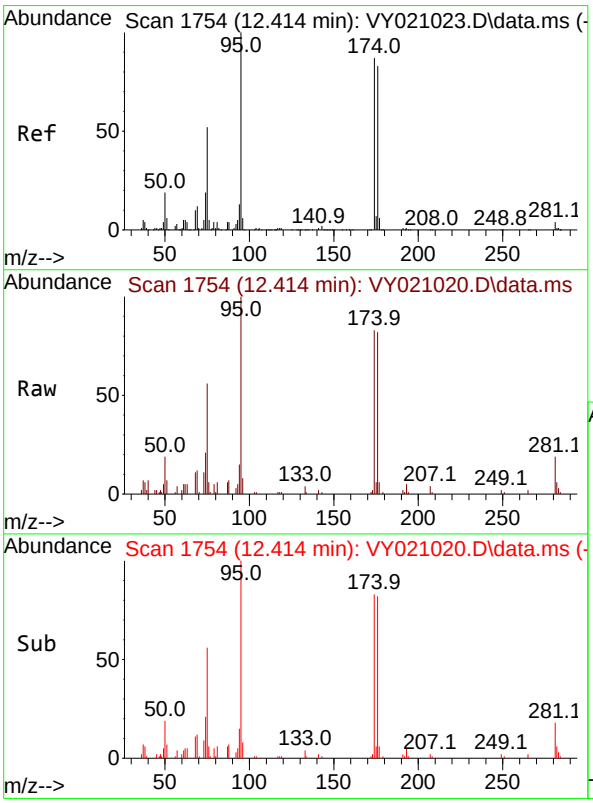
Ion	Ratio	Lower	Upper
107	100		
109	91.9	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

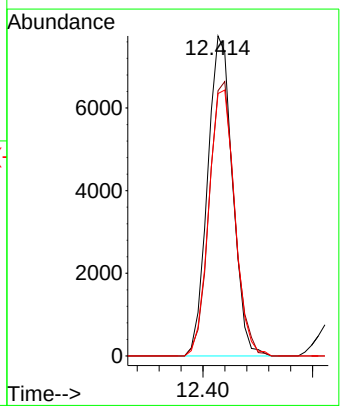
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

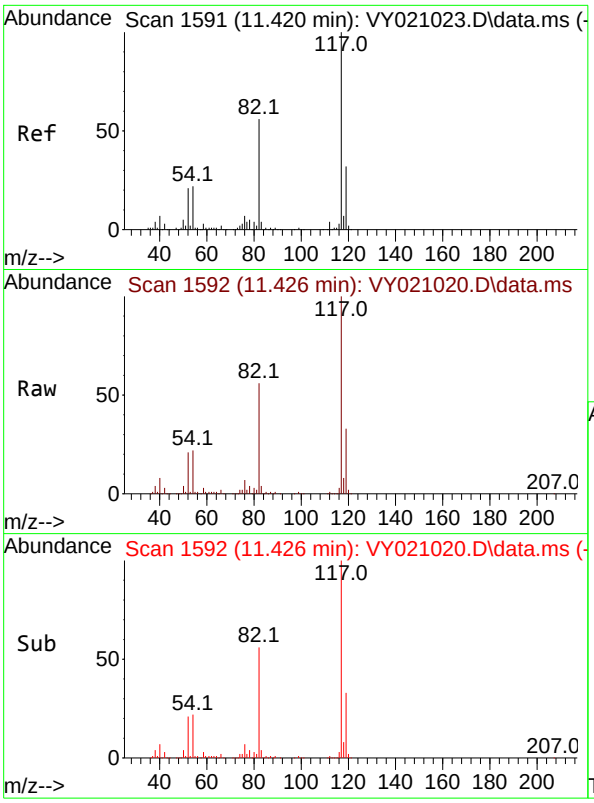


#62
4-Bromofluorobenzene
Concen: 5.301 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 95 Resp: 12237

Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	181.2
176	86.6	0.0	175.2

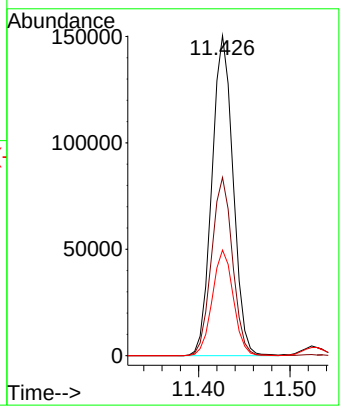




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:117 Resp: 24225

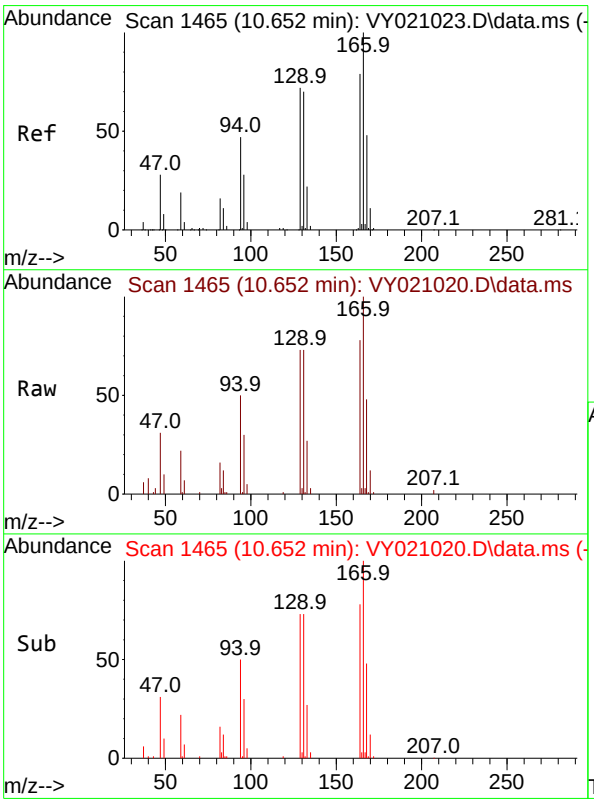
Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.2	66.2
119	33.0	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

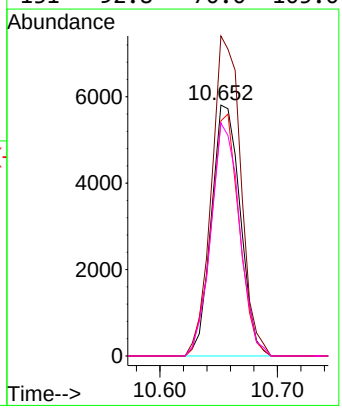
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

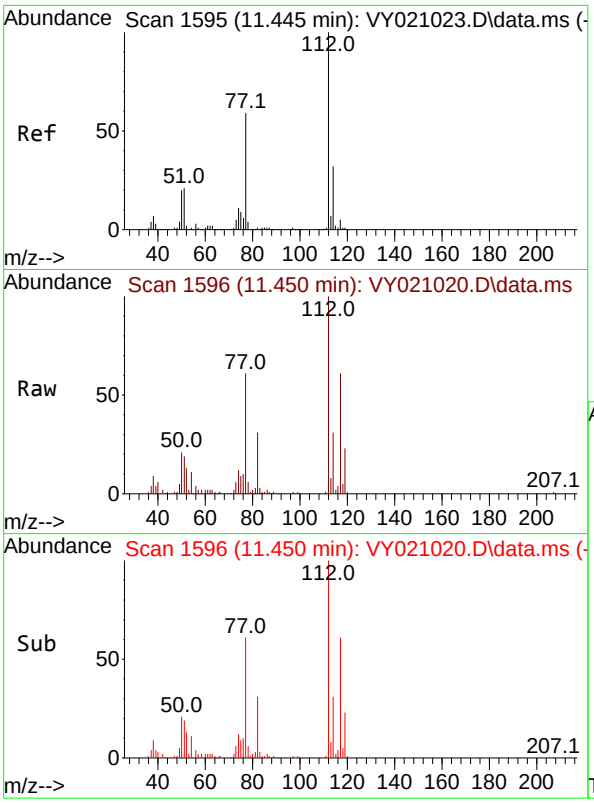


#64
Tetrachloroethene
Concen: 5.426 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:164 Resp: 9915

Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.4	150.6
129	93.7	70.8	106.2
131	92.8	70.0	105.0

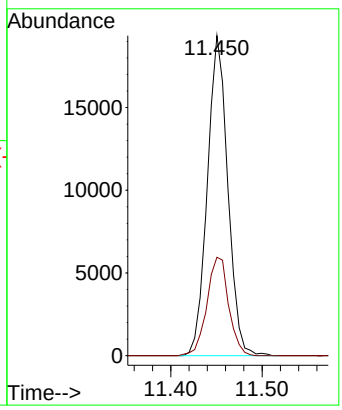




#65
Chlorobenzene
Concen: 5.872 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:112 Resp: 2997

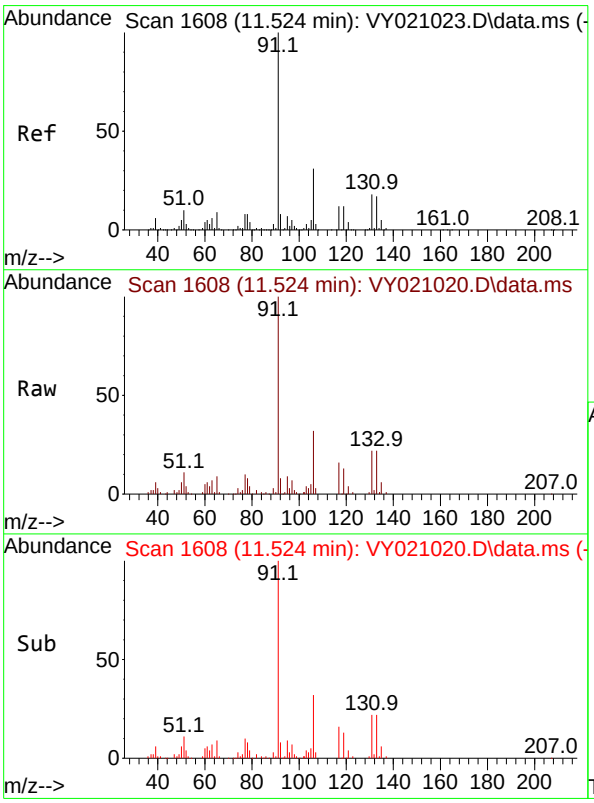
Ion	Ratio	Lower	Upper
112	100		
114	30.8	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

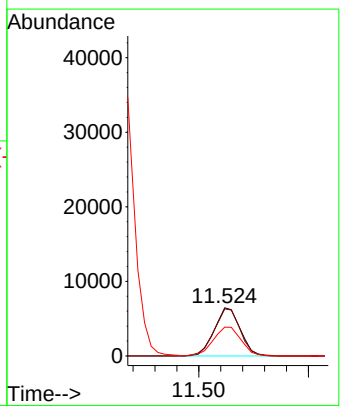
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

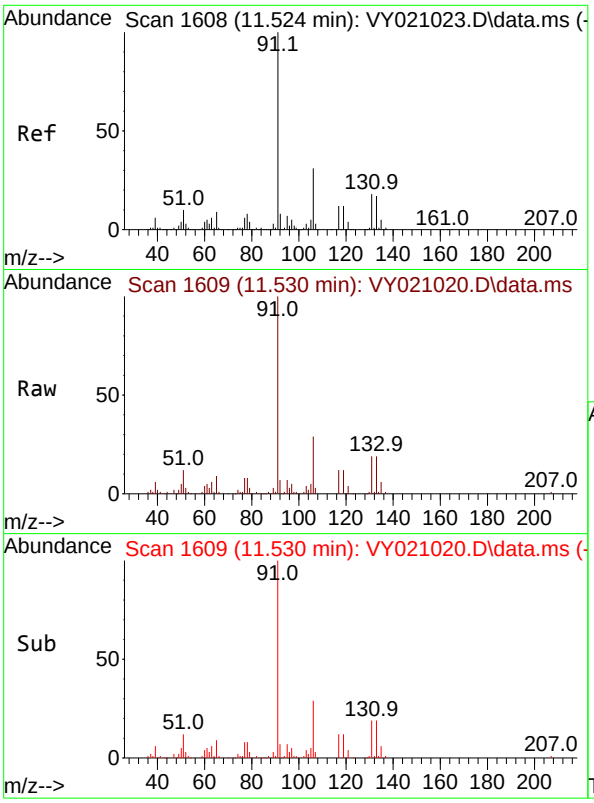


#66
1,1,1,2-Tetrachloroethane
Concen: 5.810 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:131 Resp: 10524

Ion	Ratio	Lower	Upper
131	100		
133	99.6	48.7	146.1
119	64.8	31.4	94.3

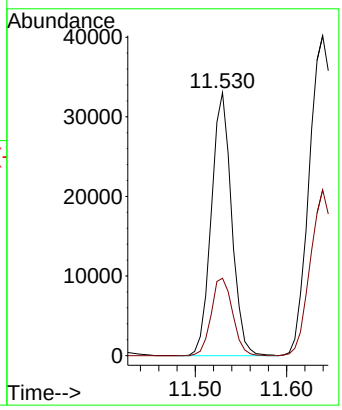




#67
Ethyl Benzene
Concen: 5.760 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 5090

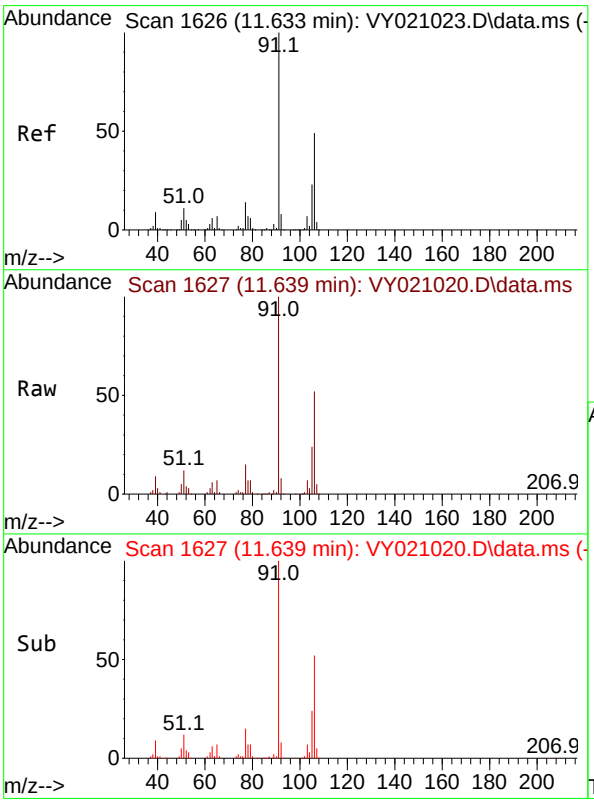
Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

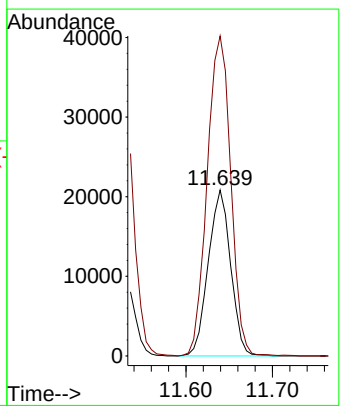
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

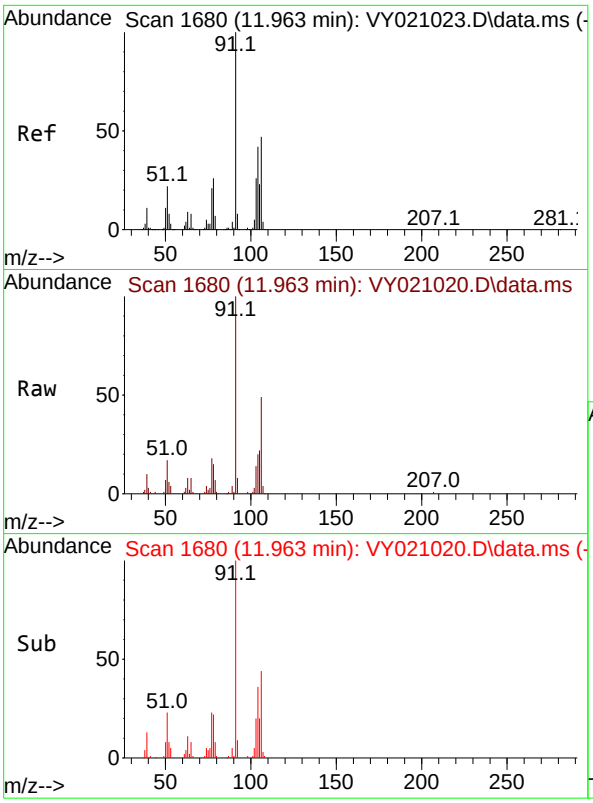


#68
m/p-Xylenes
Concen: 11.015 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:106 Resp: 37399

Ion	Ratio	Lower	Upper
106	100		
91	203.1	160.0	240.0





#69
o-Xylene
Concen: 5.550 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

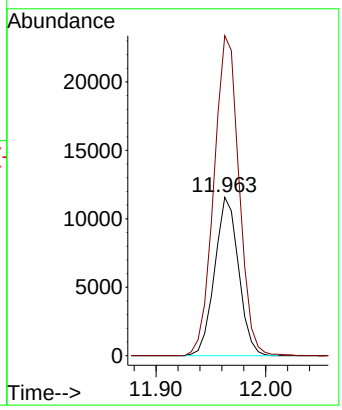
Tgt Ion:106 Resp: 1751

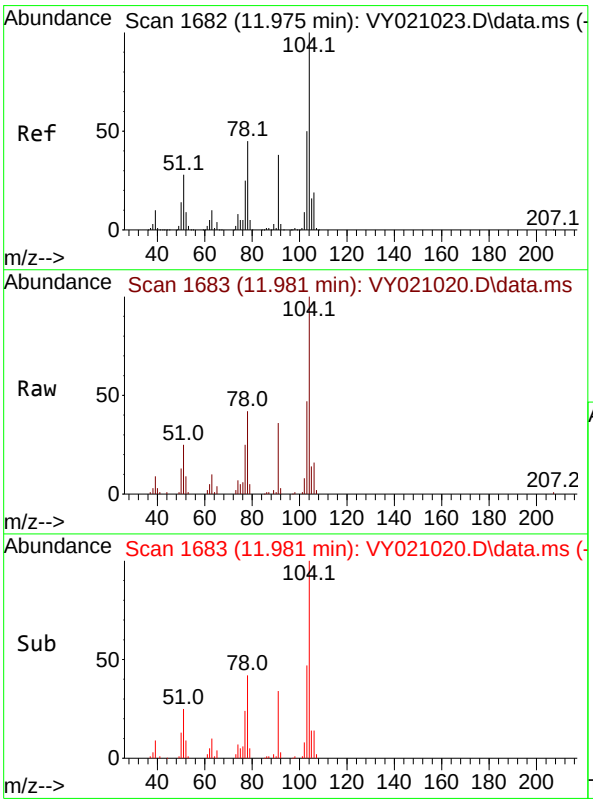
Ion	Ratio	Lower	Upper
106	100		
91	212.9	105.8	317.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

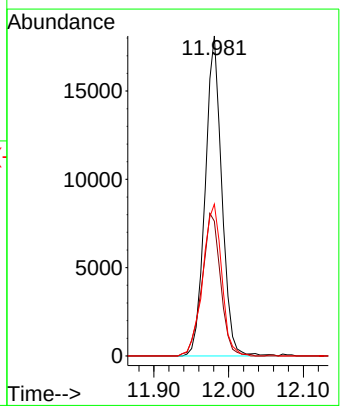


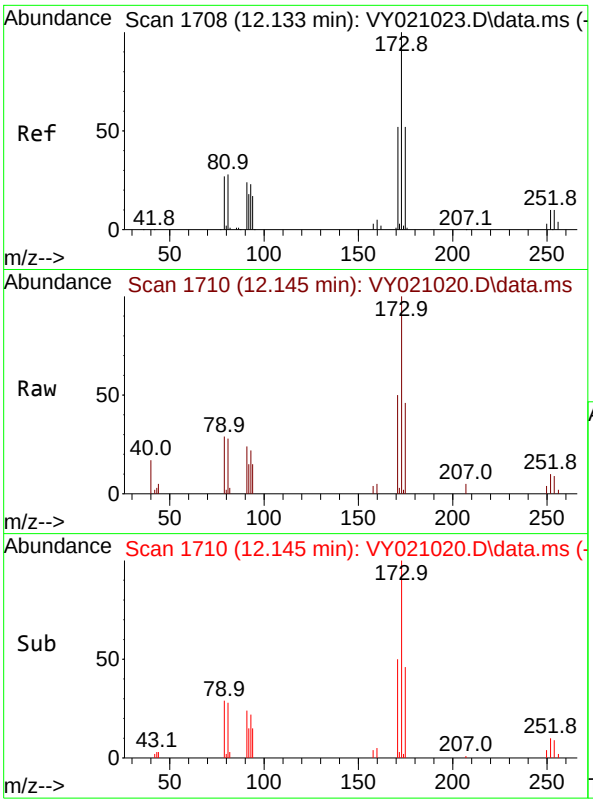


#70
Styrene
Concen: 5.333 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:104 Resp: 27946

Ion	Ratio	Lower	Upper
104	100		
78	49.7	39.0	58.4
103	54.1	43.7	65.5

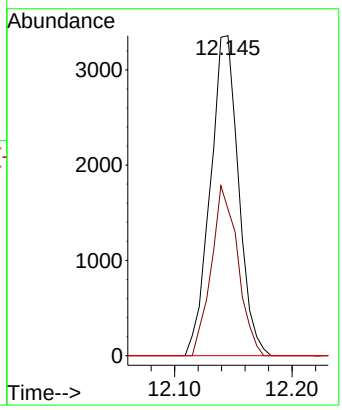




#71
Bromoform
Concen: 5.252 ug/l
RT: 12.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:173 Resp: 560

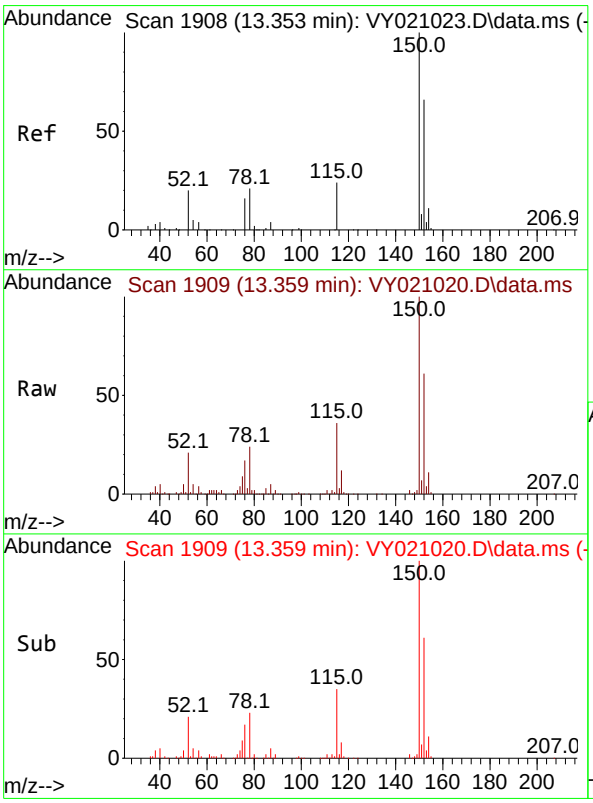
Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

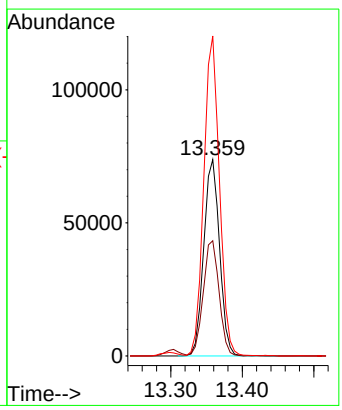
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

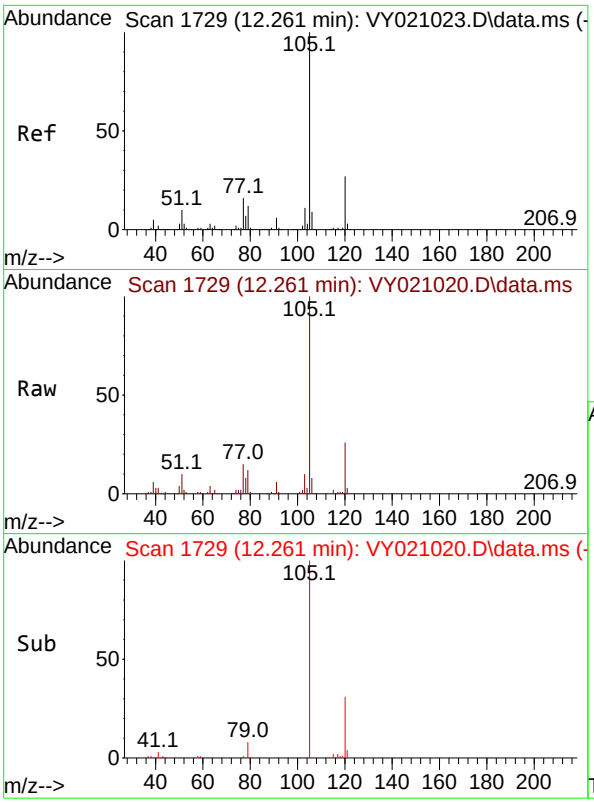


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:152 Resp: 113107

Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.4	85.2
150	160.9	0.0	342.8

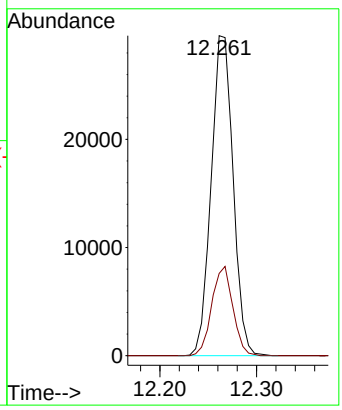




#73
Isopropylbenzene
Concen: 5.869 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 4662

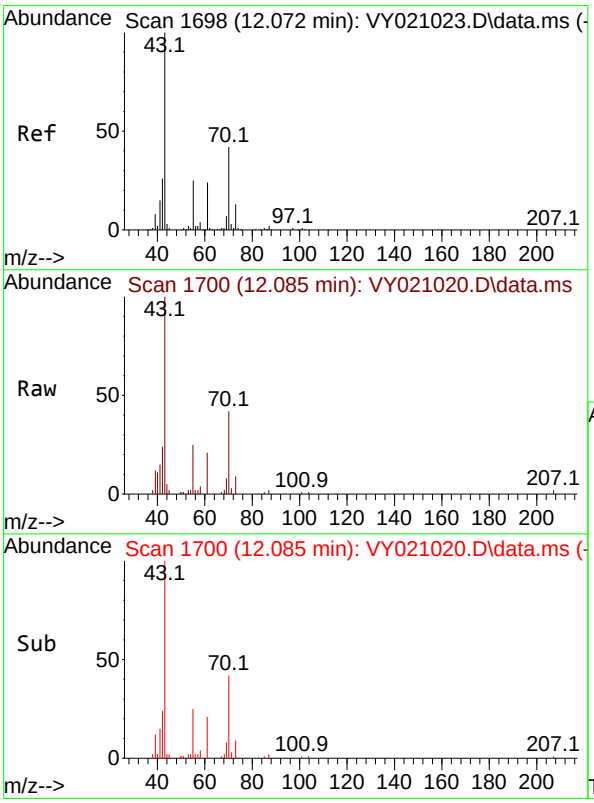
Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

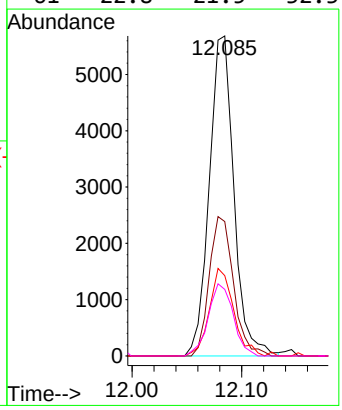
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

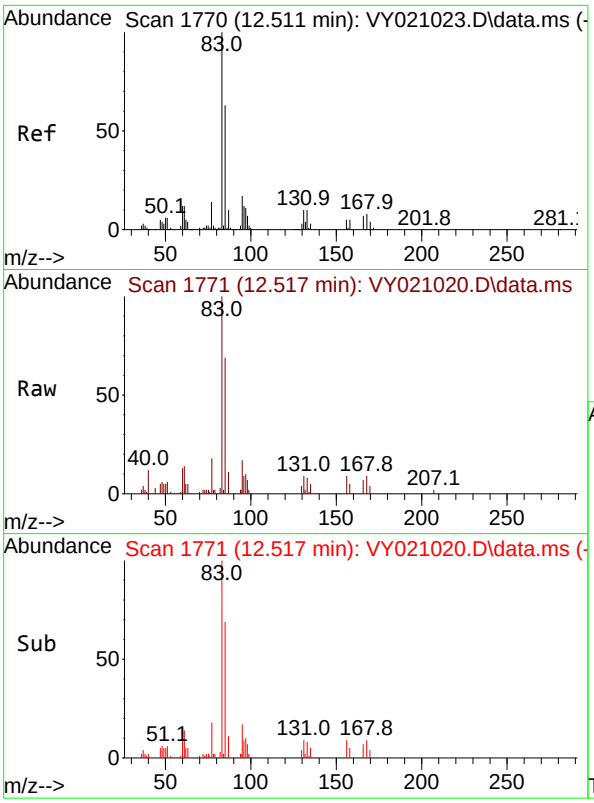


#74
N-amyl acetate
Concen: 6.144 ug/l
RT: 12.085 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 8887

Ion	Ratio	Lower	Upper
43	100		
70	42.9	39.3	58.9
55	26.8	22.3	33.5
61	22.8	21.5	32.3

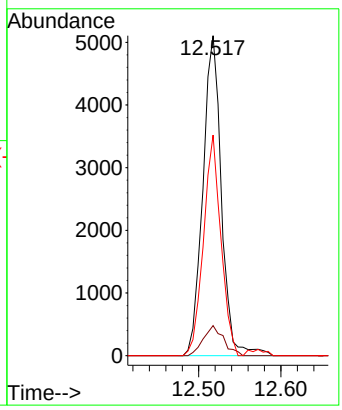




#75
1,1,2,2-Tetrachloroethane
Concen: 6.240 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 83 Resp: 800

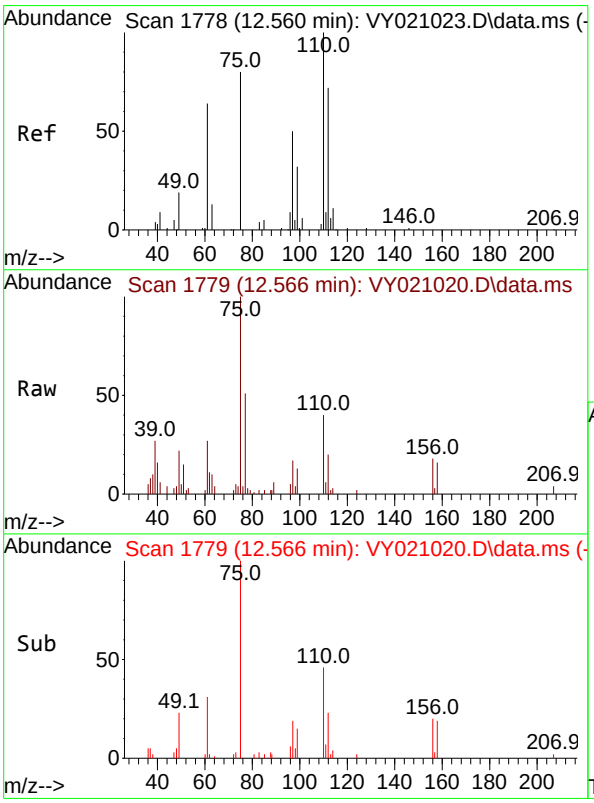
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.7	17.1
85	64.6	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

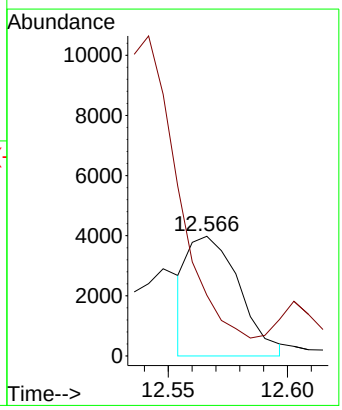
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

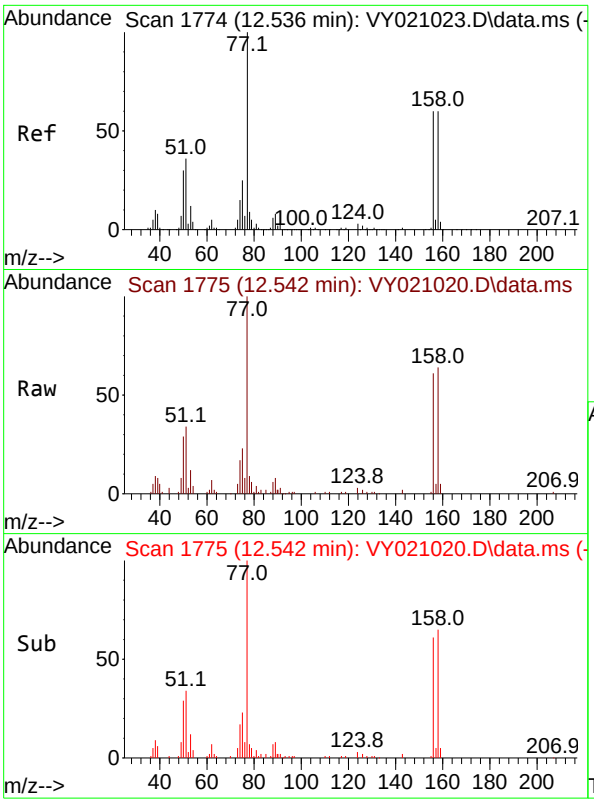


#76
1,2,3-Trichloropropane
Concen: 6.656 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 5960

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

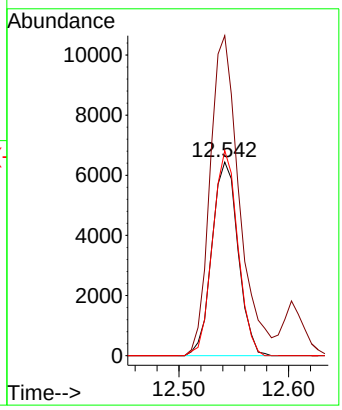




#77
Bromobenzene
Concen: 5.680 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:156 Resp: 1069

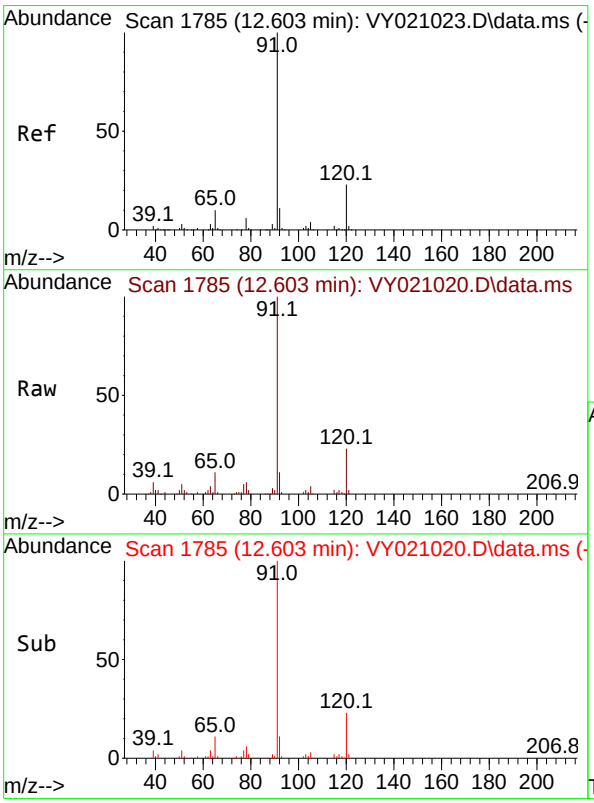
Ion	Ratio	Lower	Upper
156	100		
77	183.8	83.3	249.9
158	101.9	48.3	144.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

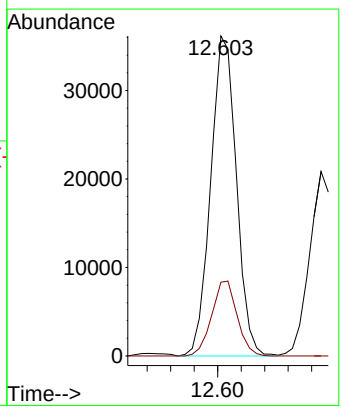
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

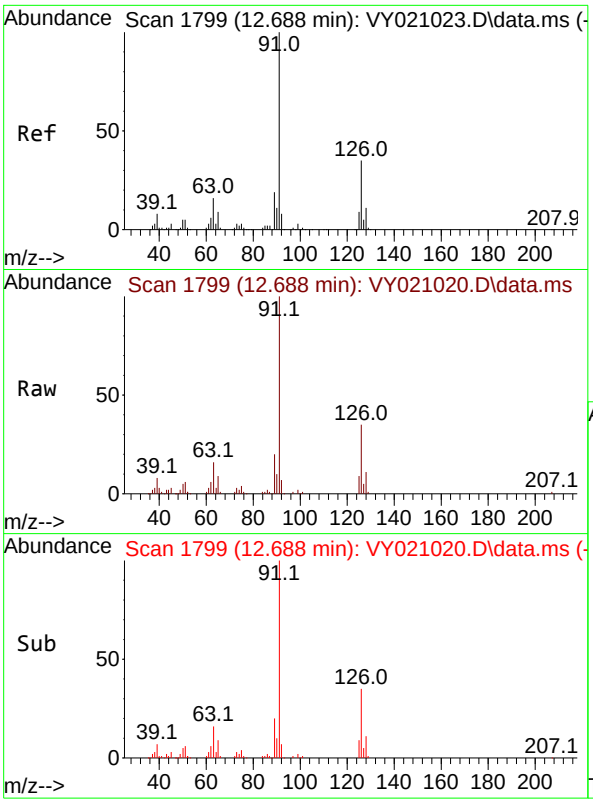


#78
n-propylbenzene
Concen: 5.907 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 54990

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.8	35.4

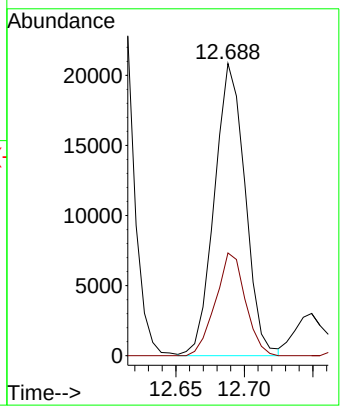




#79
2-Chlorotoluene
Concen: 6.123 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 3247

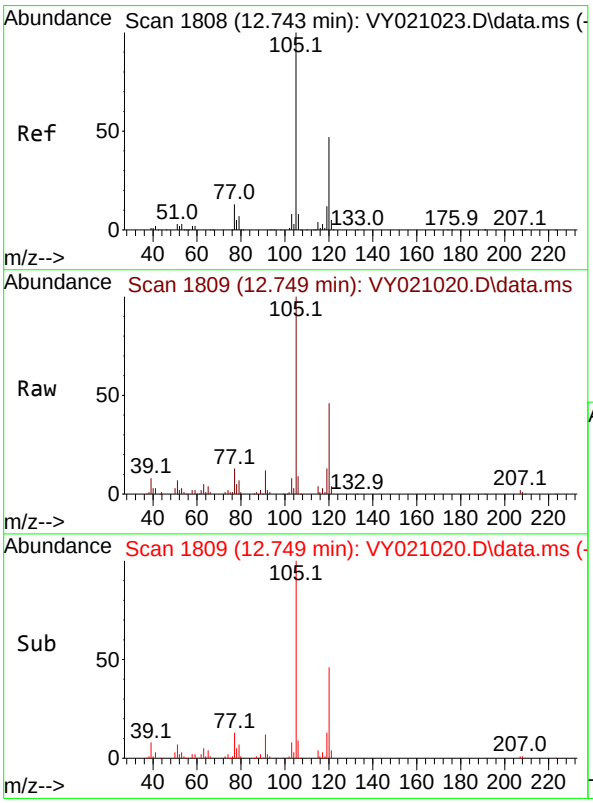
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.3	51.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

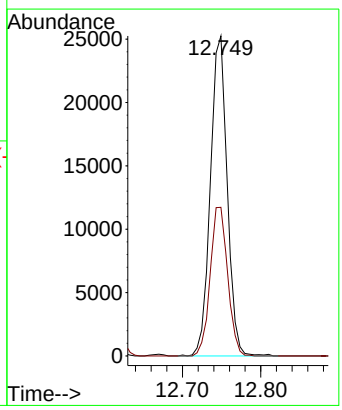
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

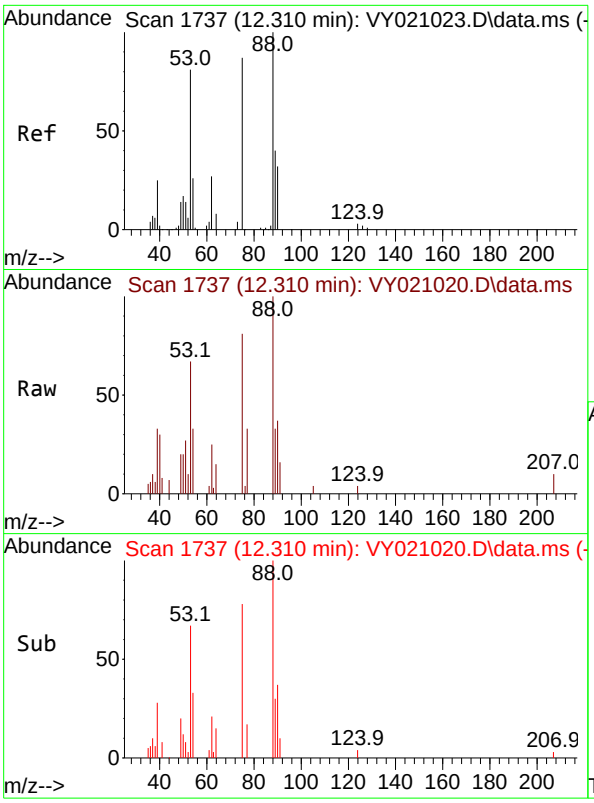


#80
1,3,5-Trimethylbenzene
Concen: 5.772 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 37564

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 5.671 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

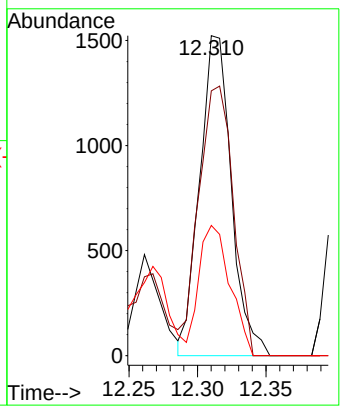
Tgt Ion: 75 Resp: 244

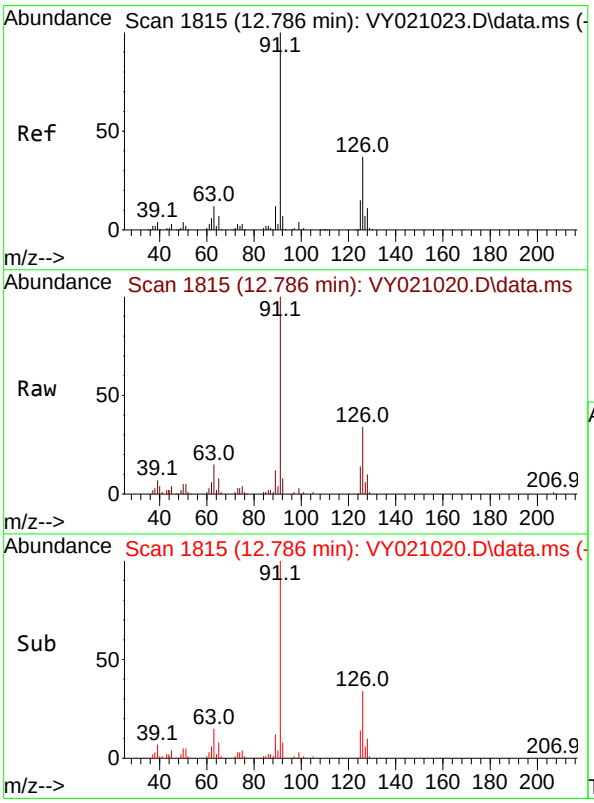
Ion	Ratio	Lower	Upper
75	100		
53	91.8	68.6	103.0
89	40.1	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

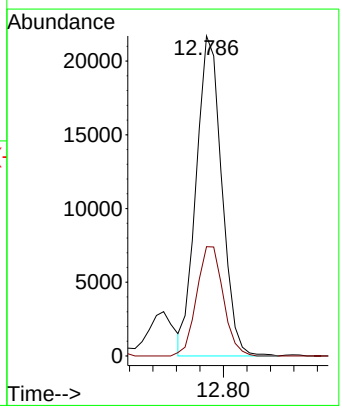


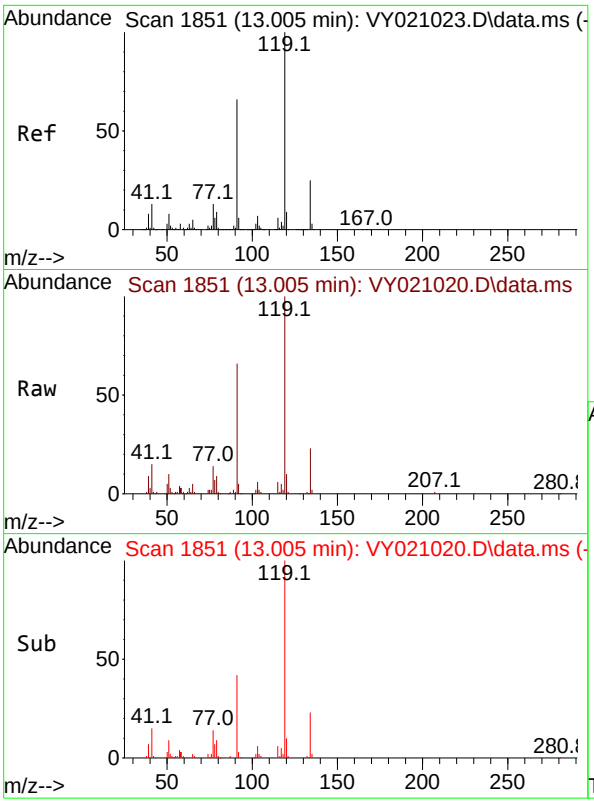


#82
4-Chlorotoluene
Concen: 6.046 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 32824

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.3	52.0

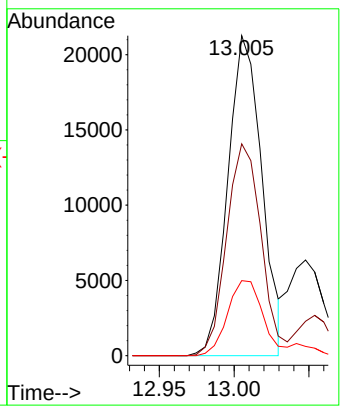




#83
tert-Butylbenzene
Concen: 5.562 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:119 Resp: 3357

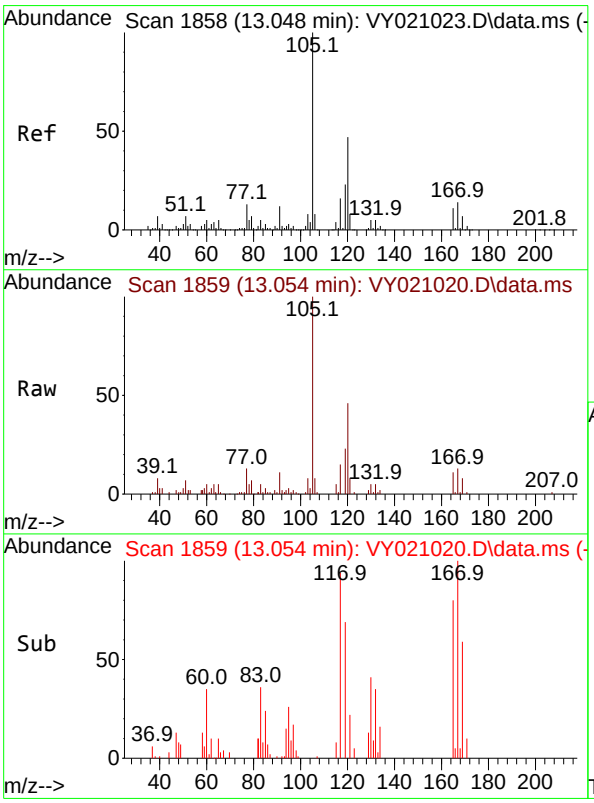
Ion	Ratio	Lower	Upper
119	100		
91	67.4	31.4	94.0
134	24.6	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

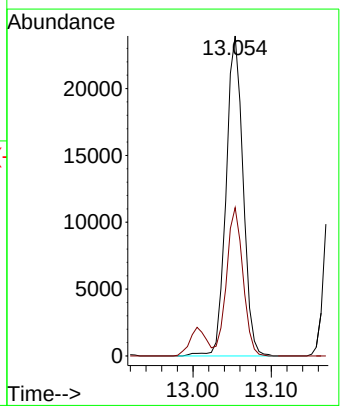
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

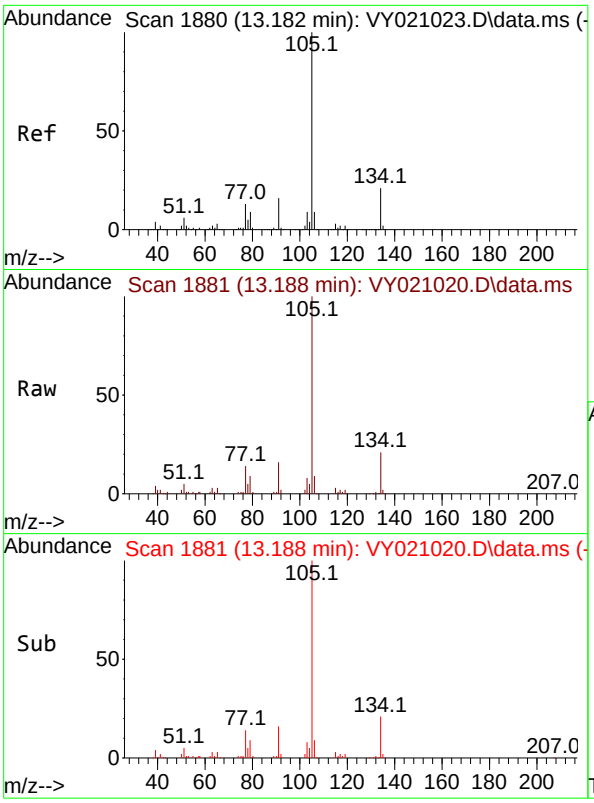


#84
1,2,4-Trimethylbenzene
Concen: 5.665 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 36016

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.0

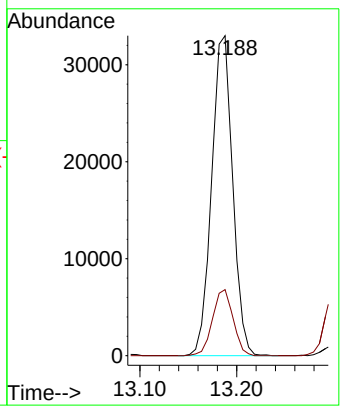




#85
sec-Butylbenzene
Concen: 5.831 ug/l
RT: 13.188 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 4982

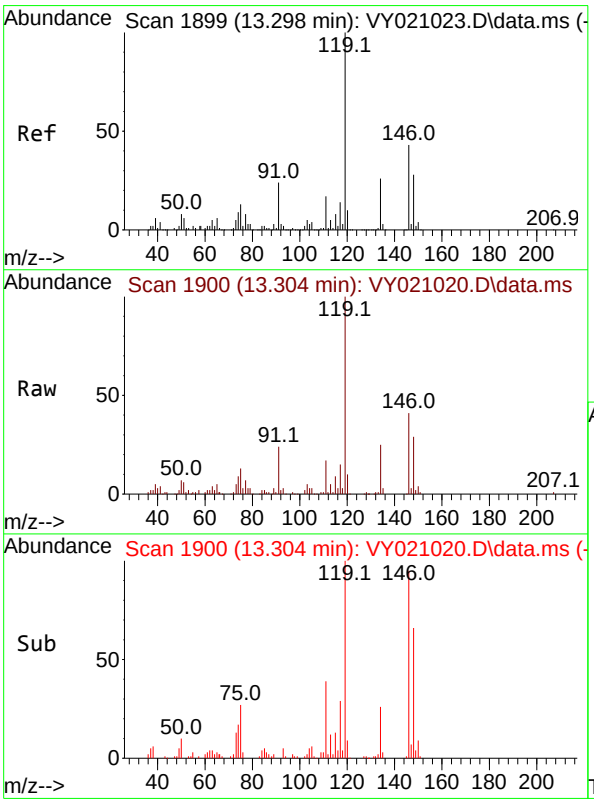
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.3	30.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

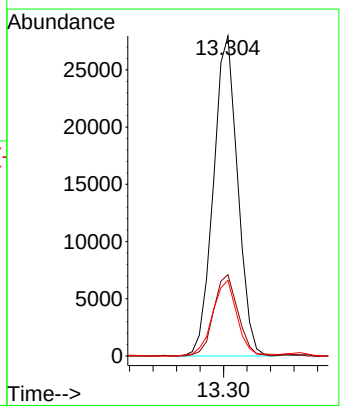
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

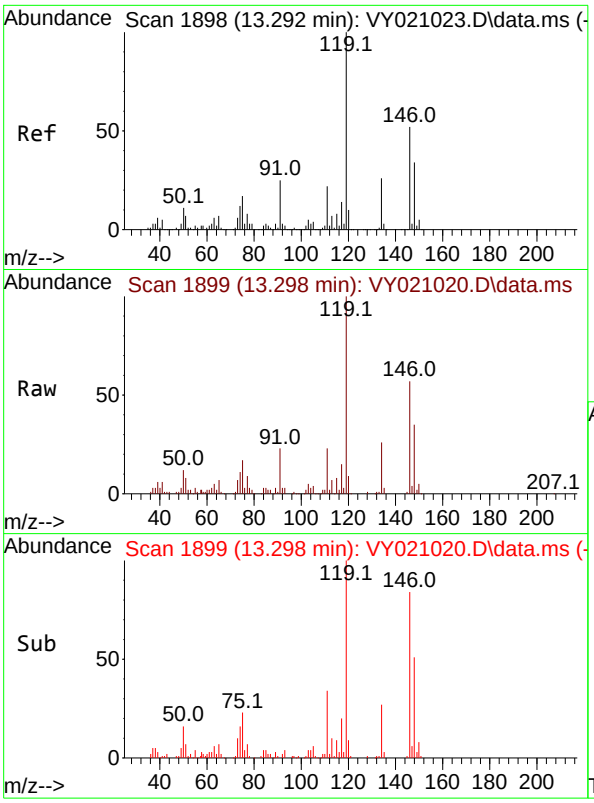


#86
p-Isopropyltoluene
Concen: 5.597 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:119 Resp: 40197

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.1	39.3
91	24.1	11.5	34.5

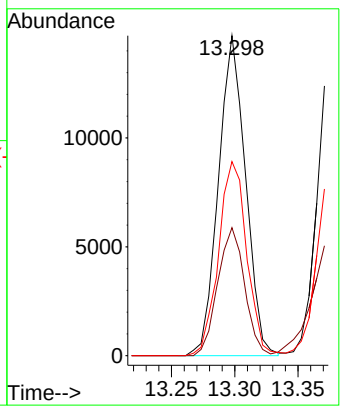




#87
1,3-Dichlorobenzene
Concen: 5.966 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:146 Resp: 2191

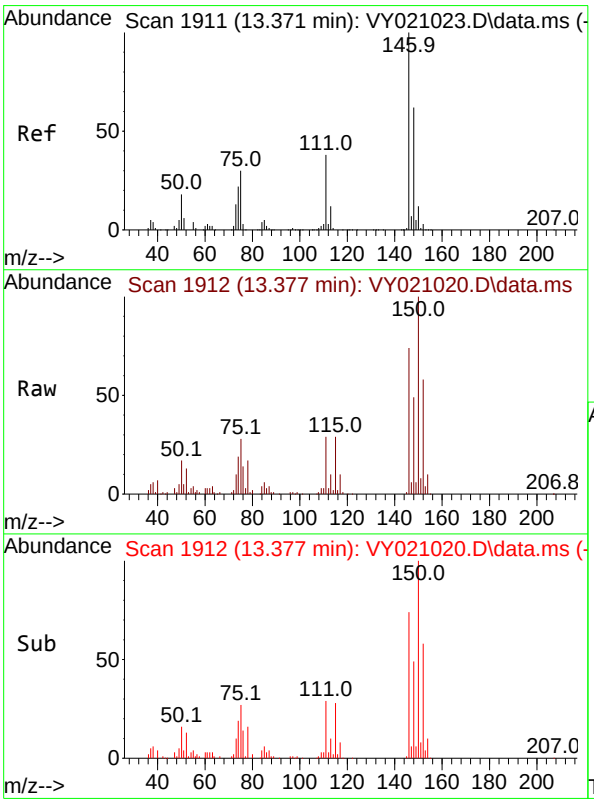
Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	63.3	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

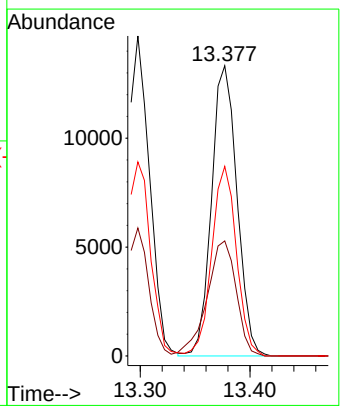
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

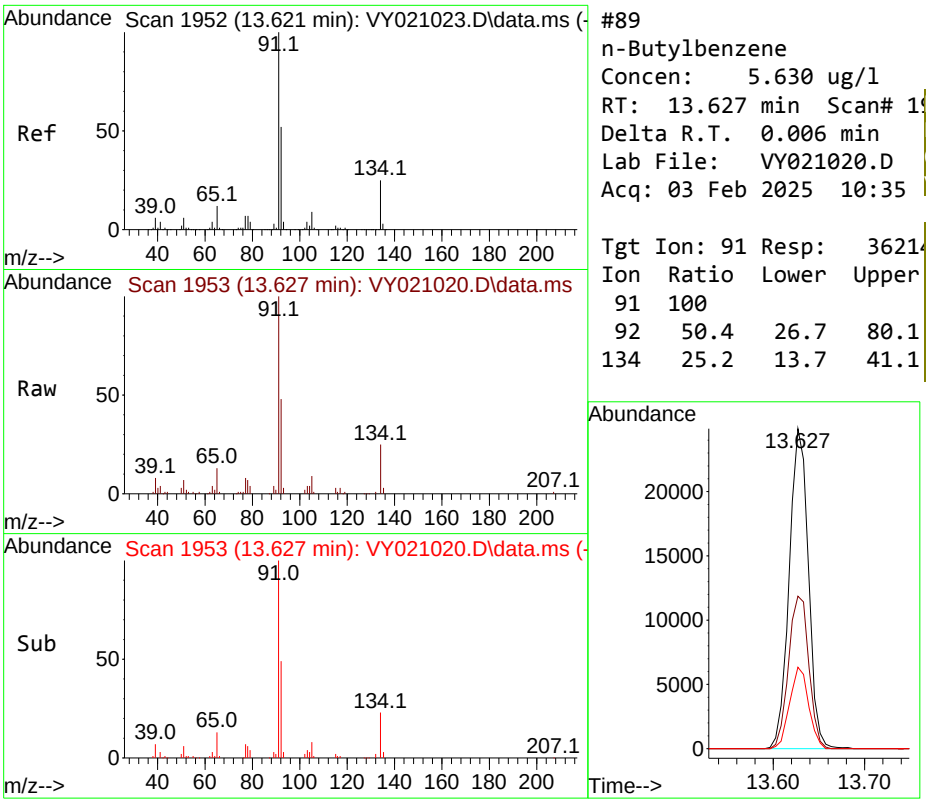


#88
1,4-Dichlorobenzene
Concen: 5.910 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:146 Resp: 21553

Ion	Ratio	Lower	Upper
146	100		
111	45.5	19.0	57.0
148	63.4	31.6	95.0





#89
n-Butylbenzene
Concen: 5.630 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

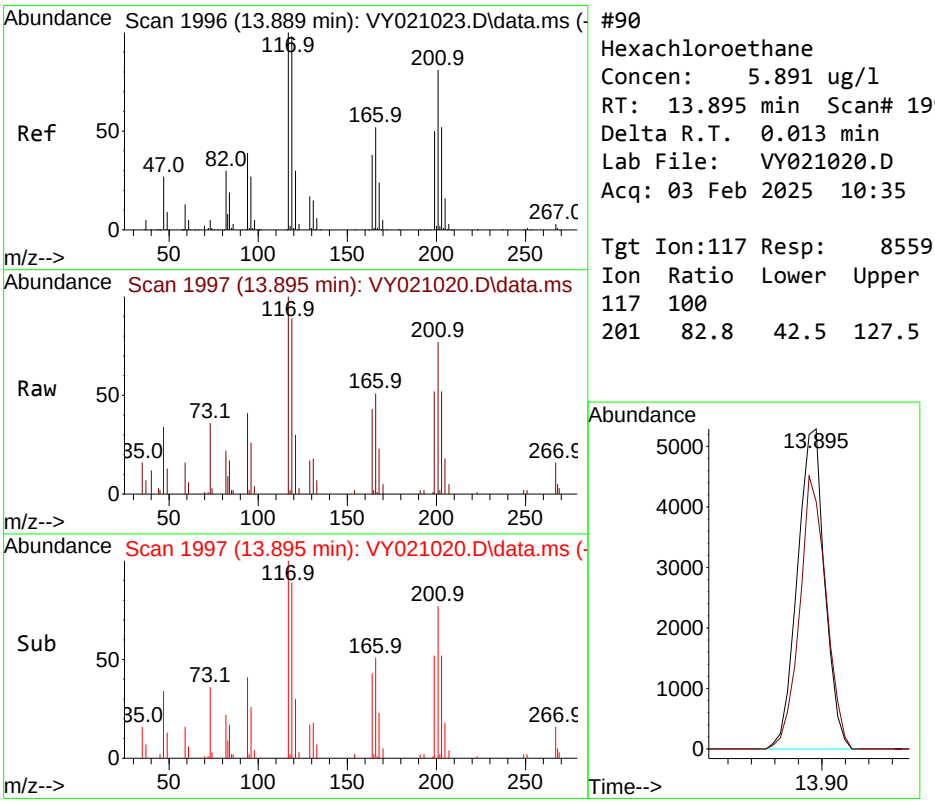
Tgt Ion: 91 Resp: 3621

Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.7	80.1
134	25.2	13.7	41.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

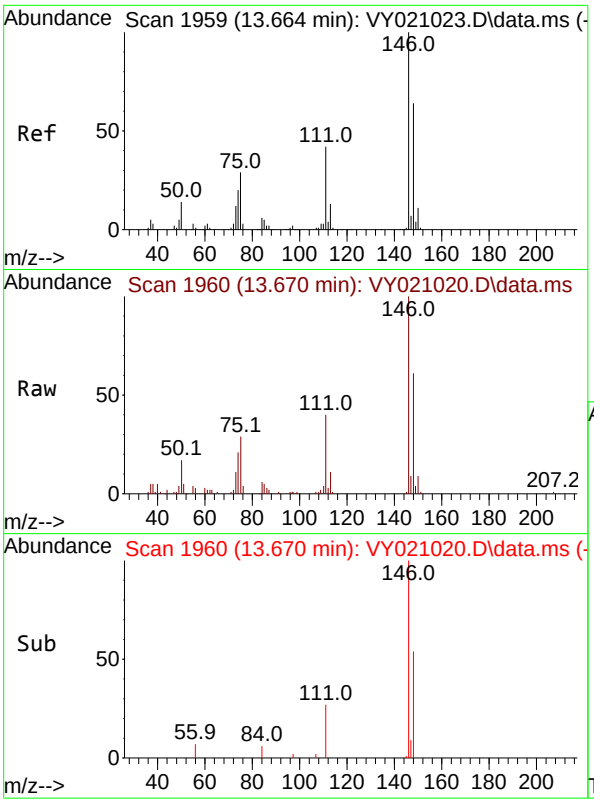
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#90
Hexachloroethane
Concen: 5.891 ug/l
RT: 13.895 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:117 Resp: 8559

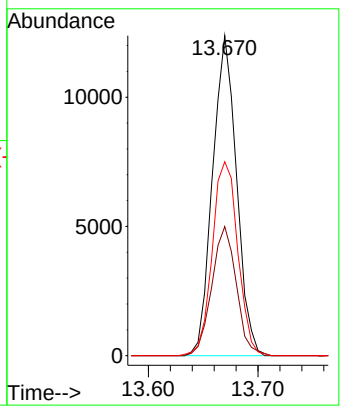
Ion	Ratio	Lower	Upper
117	100		
201	82.8	42.5	127.5



#91
1,2-Dichlorobenzene
Concen: 5.892 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:146 Resp: 1886

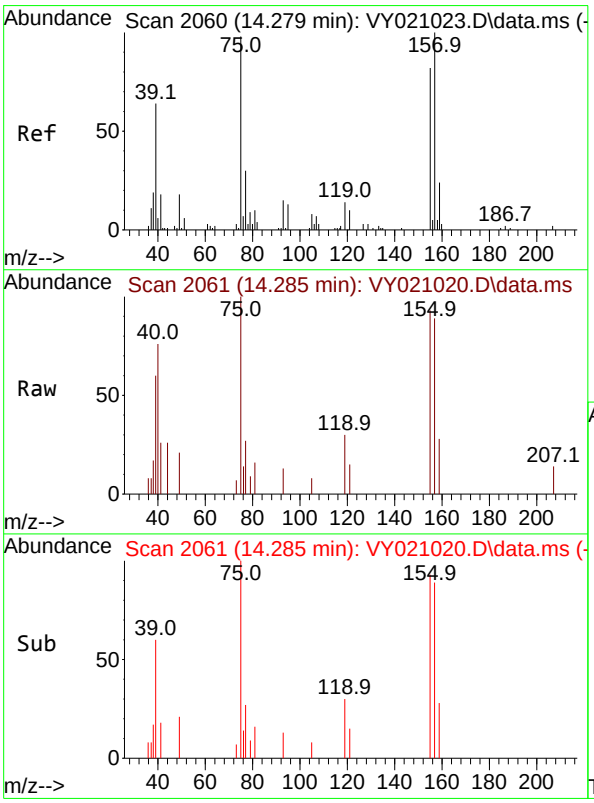
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	64.4	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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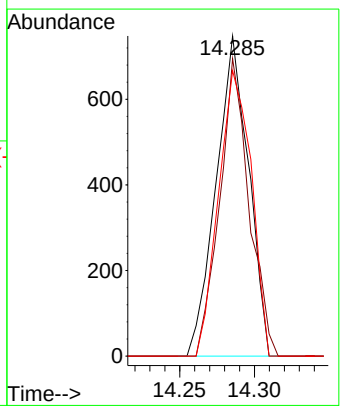
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

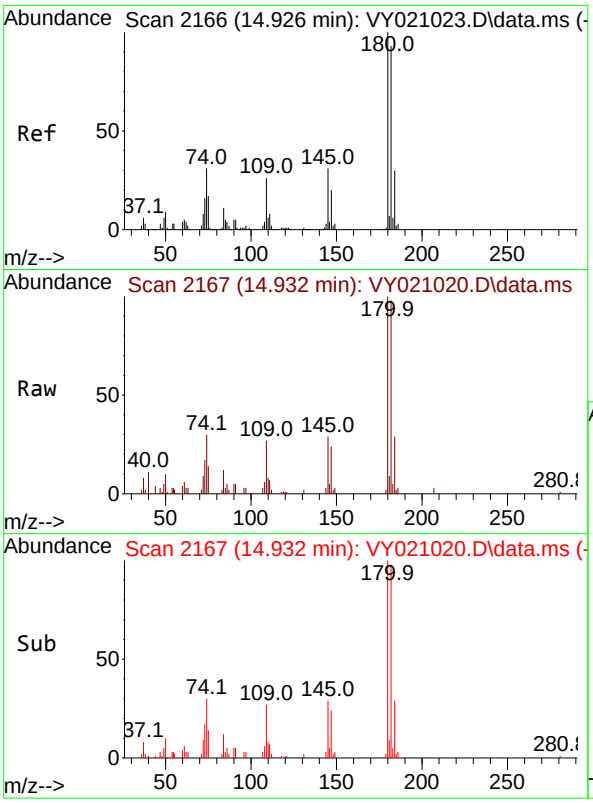


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.699 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 1125

Ion	Ratio	Lower	Upper
75	100		
155	84.4	45.9	137.6
157	90.1	59.3	177.9

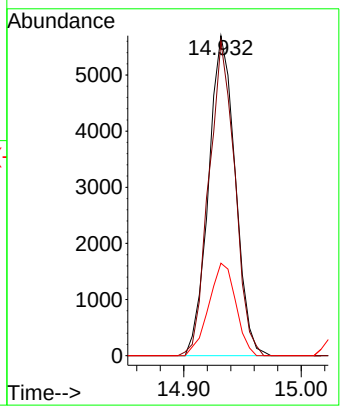




#93
1,2,4-Trichlorobenzene
Concen: 4.590 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:180 Resp: 900

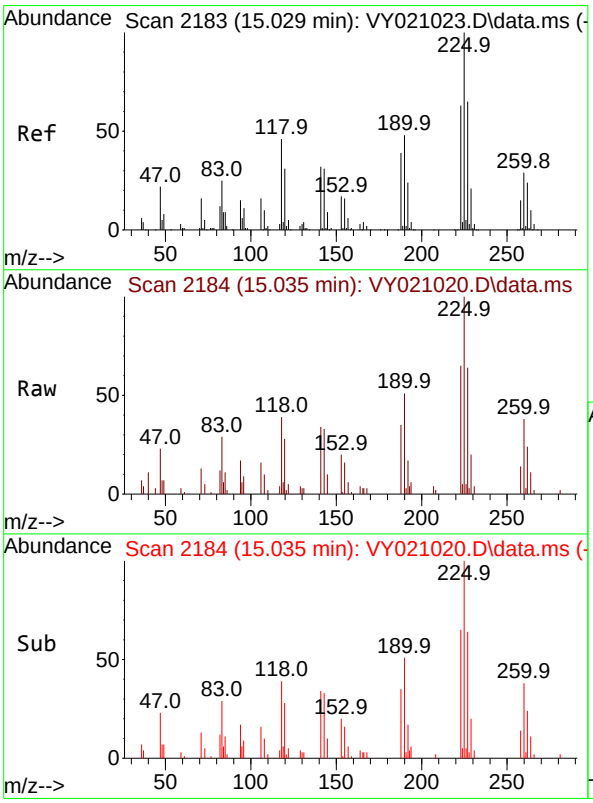
Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.8
145	29.2	15.3	45.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

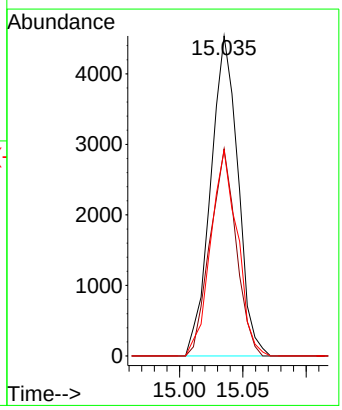
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

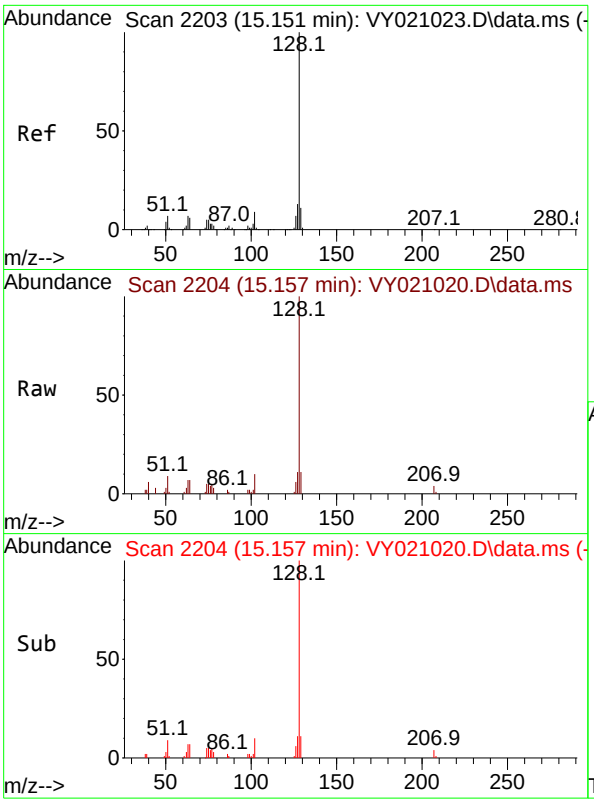


#94
Hexachlorobutadiene
Concen: 5.001 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:225 Resp: 6792

Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.4	94.2
227	63.1	31.8	95.3

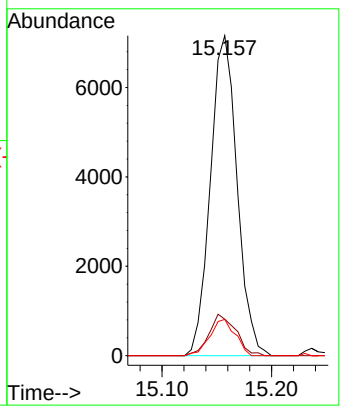




#95
Naphthalene
Concen: 3.847 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:128 Resp: 1212

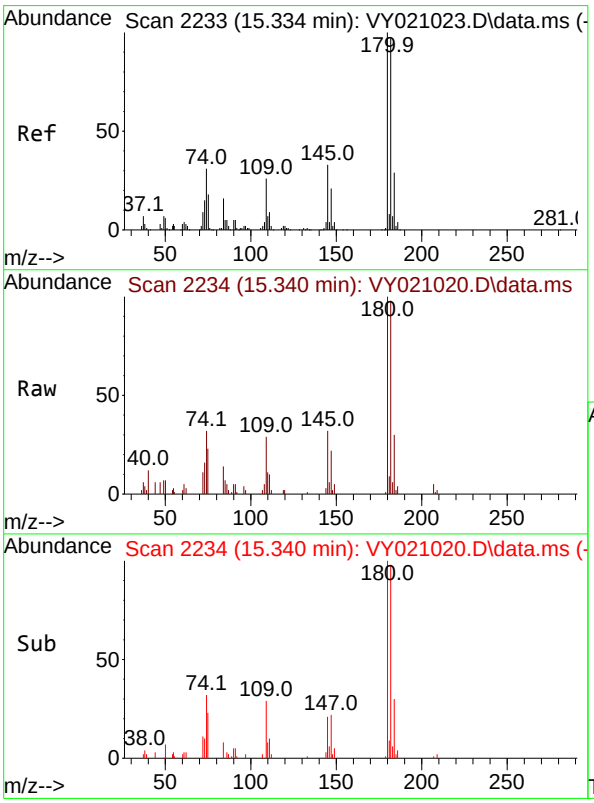
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

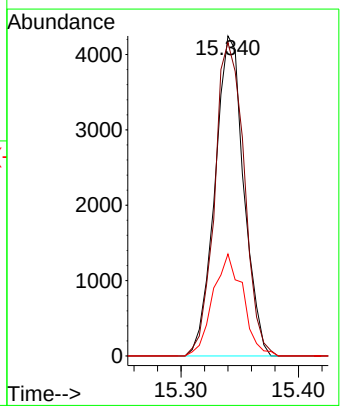
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.375 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:180 Resp: 7255

Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.7	143.1
145	33.2	15.6	46.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
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 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	182294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	285332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	239030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	115682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	20294	13.075	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	26.160%#		
35) Dibromofluoromethane	7.646	113	18627	10.859	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.720%#		
50) Toluene-d8	10.109	98	70569	10.540	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	21.080%#		
62) 4-Bromofluorobenzene	12.414	95	23279	10.362	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	20.720%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	15959	10.296	ug/l	99
3) Chloromethane	2.074	50	16219	16.458	ug/l	98
4) Vinyl Chloride	2.208	62	16094	15.839	ug/l	93
5) Bromomethane	2.604	94	10042	14.599	ug/l	99
6) Chloroethane	2.745	64	9830	16.561	ug/l	95
7) Trichlorofluoromethane	3.068	101	29663	12.097	ug/l	90
8) Diethyl Ether	3.458	74	9330	12.745	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.824	101	18483	11.194	ug/l	96
10) Methyl Iodide	4.019	142	19381	10.258	ug/l	98
11) Tert butyl alcohol	4.860	59	7158m	63.135	ug/l	
12) 1,1-Dichloroethene	3.799	96	17176	11.131	ug/l	90
13) Acrolein	3.665	56	10409	79.726	ug/l	96
14) Allyl chloride	4.391	41	28376	13.358	ug/l	93
15) Acrylonitrile	5.074	53	19104	63.446	ug/l	97
16) Acetone	3.879	43	15112	71.438	ug/l #	86
17) Carbon Disulfide	4.116	76	53088	11.171	ug/l	100
18) Methyl Acetate	4.397	43	10297	13.911	ug/l	94
19) Methyl tert-butyl Ether	5.128	73	43216	12.033	ug/l	96
20) Methylene Chloride	4.622	84	18455	11.829	ug/l	89
21) trans-1,2-Dichloroethene	5.128	96	18903	11.426	ug/l	100
22) Diisopropyl ether	6.031	45	59888	13.831	ug/l #	89
23) Vinyl Acetate	5.970	43	166437	69.409	ug/l	94
24) 1,1-Dichloroethane	5.927	63	34569	12.375	ug/l	99
25) 2-Butanone	6.902	43	24268	67.624	ug/l	93
26) 2,2-Dichloropropane	6.896	77	32771	11.915	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	21309	11.206	ug/l	91
28) Bromochloromethane	7.256	49	13417	12.892	ug/l	86
29) Tetrahydrofuran	7.274	42	16758	69.395	ug/l	92
30) Chloroform	7.427	83	37054	12.247	ug/l	100
31) Cyclohexane	7.707	56	32272	11.819	ug/l #	88
32) 1,1,1-Trichloroethane	7.628	97	32862	11.223	ug/l	95
36) 1,1-Dichloropropene	7.847	75	26479	10.820	ug/l	96
37) Ethyl Acetate	6.994	43	11876	13.017	ug/l	97
38) Carbon Tetrachloride	7.823	117	31462	10.389	ug/l	96
39) Methylcyclohexane	9.115	83	31392	9.549	ug/l	90
40) Benzene	8.085	78	78846	10.950	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	7195m	14.253	ug/l		
42) 1,2-Dichloroethane	8.164	62	22281	12.201	ug/l		99
43) Isopropyl Acetate	8.207	43	23795	13.055	ug/l	#	84
44) Trichloroethene	8.872	130	20261	10.197	ug/l		100
45) 1,2-Dichloropropane	9.146	63	18765	11.627	ug/l		96
46) Dibromomethane	9.237	93	10511	11.191	ug/l		94
47) Bromodichloromethane	9.432	83	28538	11.570	ug/l		96
48) Methyl methacrylate	9.225	41	10297	11.866	ug/l		93
49) 1,4-Dioxane	9.231	88	1885	188.876	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.006	43	60088	64.159	ug/l		94
52) Toluene	10.176	92	48876	10.457	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	24301	10.888	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	29426	11.031	ug/l		93
55) 1,1,2-Trichloroethane	10.579	97	13425	10.748	ug/l		96
56) Ethyl methacrylate	10.445	69	16883	10.341	ug/l	#	86
57) 1,3-Dichloropropane	10.725	76	23377	11.042	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	41611	60.048	ug/l		95
59) 2-Hexanone	10.768	43	37306	61.283	ug/l		90
60) Dibromochloromethane	10.914	129	18851	10.585	ug/l		100
61) 1,2-Dibromoethane	11.018	107	12746	10.684	ug/l		100
64) Tetrachloroethene	10.652	164	17544	9.730	ug/l		98
65) Chlorobenzene	11.450	112	53298	10.583	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.524	131	19150	10.714	ug/l		99
67) Ethyl Benzene	11.524	91	90783	10.411	ug/l		99
68) m/p-Xylenes	11.633	106	69094	20.624	ug/l		98
69) o-Xylene	11.963	106	31473	10.106	ug/l		96
70) Styrene	11.975	104	53436	10.334	ug/l		98
71) Bromoform	12.139	173	10627	10.088	ug/l	#	97
73) Isopropylbenzene	12.261	105	85491	10.522	ug/l		98
74) N-amyl acetate	12.078	43	18529	12.524	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.511	83	14942	11.393	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	9090m	9.926	ug/l		
77) Bromobenzene	12.536	156	20634	10.712	ug/l		94
78) n-propylbenzene	12.603	91	102250	10.738	ug/l		97
79) 2-Chlorotoluene	12.688	91	59630	10.991	ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	70161	10.541	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	5224	11.842	ug/l		92
82) 4-Chlorotoluene	12.786	91	62279	11.217	ug/l		96
83) tert-Butylbenzene	13.005	119	63506	10.287	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	67906	10.444	ug/l		100
85) sec-Butylbenzene	13.182	105	92610	10.596	ug/l		98
86) p-Isopropyltoluene	13.298	119	74892	10.196	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	39016	10.388	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	39379	10.559	ug/l		95
89) n-Butylbenzene	13.627	91	67632	10.280	ug/l		97
90) Hexachloroethane	13.889	117	16030	10.788	ug/l		95
91) 1,2-Dichlorobenzene	13.670	146	35252	10.763	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2296	11.372	ug/l		87
93) 1,2,4-Trichlorobenzene	14.932	180	17451	8.702	ug/l		98
94) Hexachlorobutadiene	15.029	225	11988	8.631	ug/l		99
95) Naphthalene	15.151	128	27103	8.409	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	14804	8.729	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
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 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

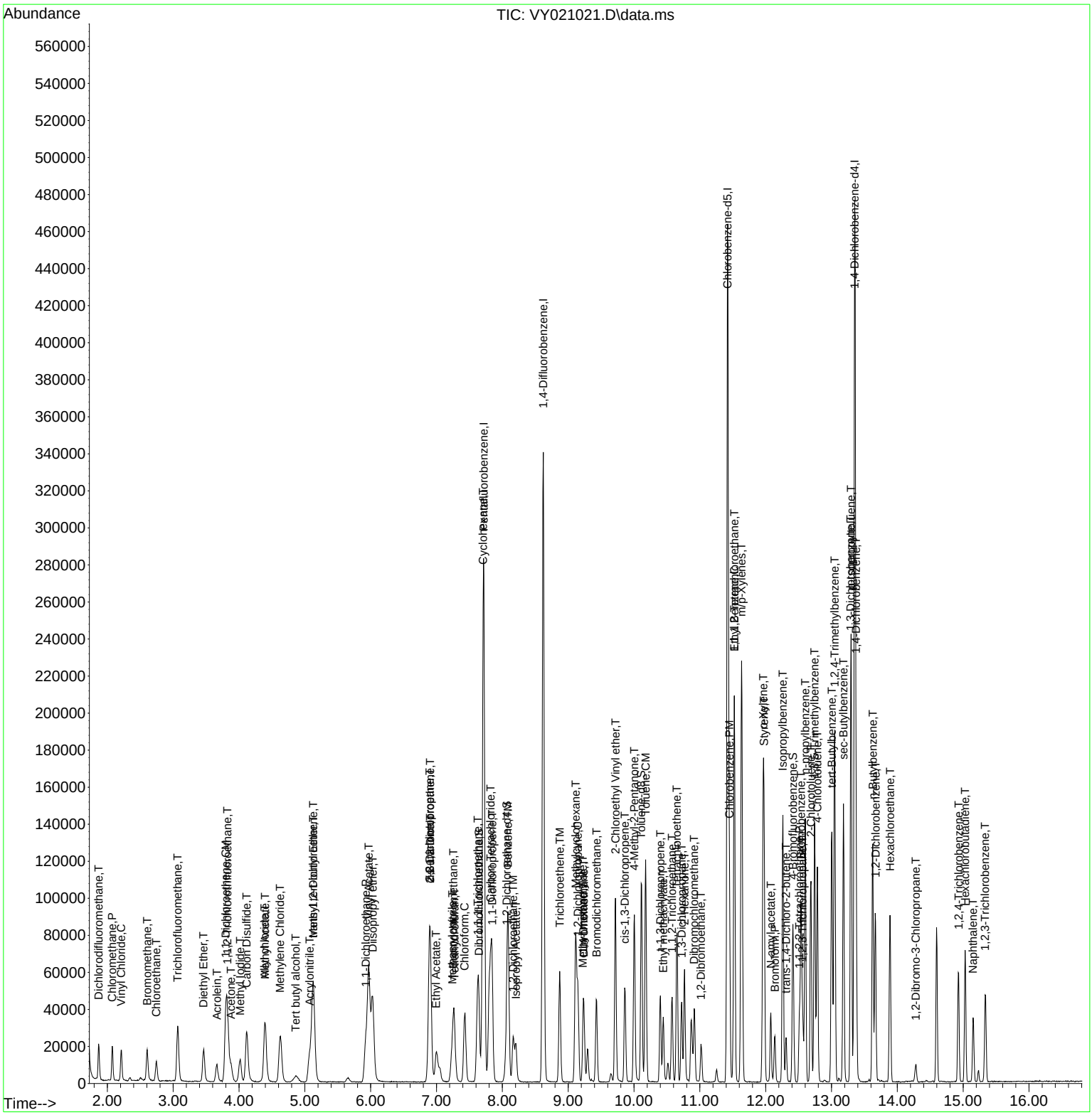
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

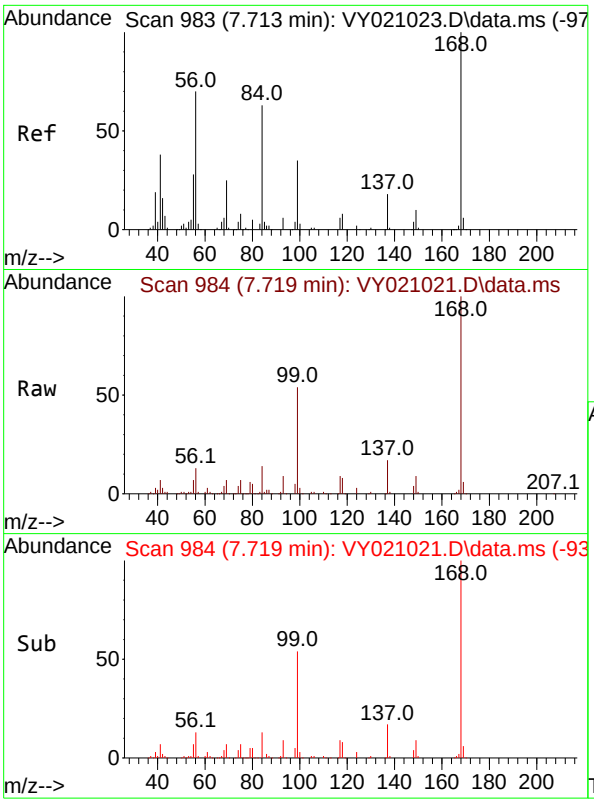
Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

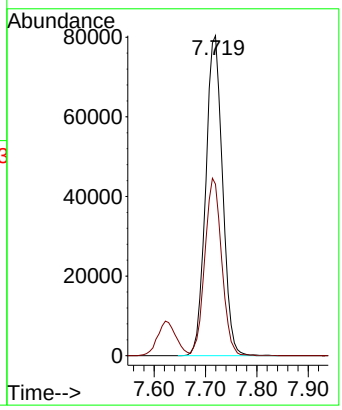




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:168 Resp: 18229

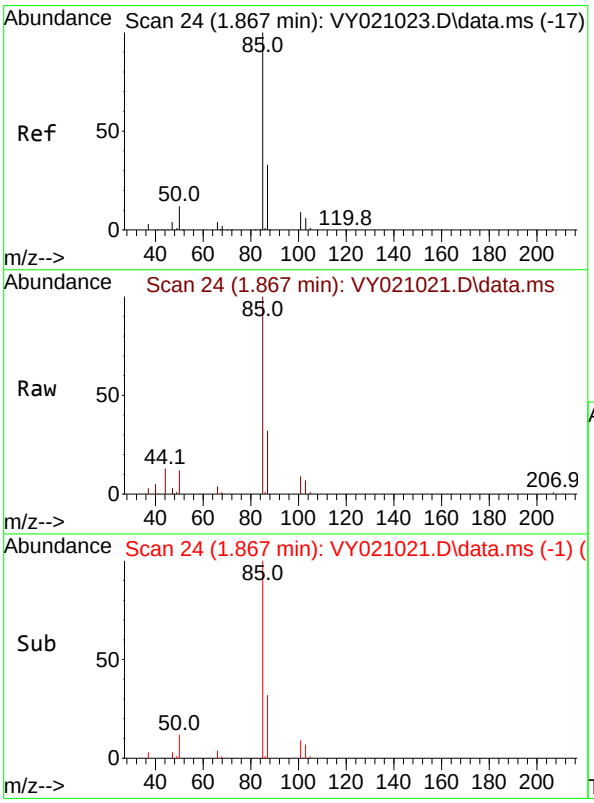
Ion	Ratio	Lower	Upper
168	100		
99	53.6	42.2	63.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

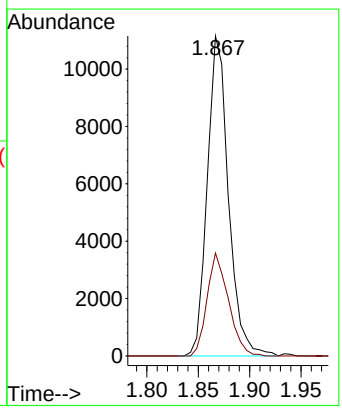
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

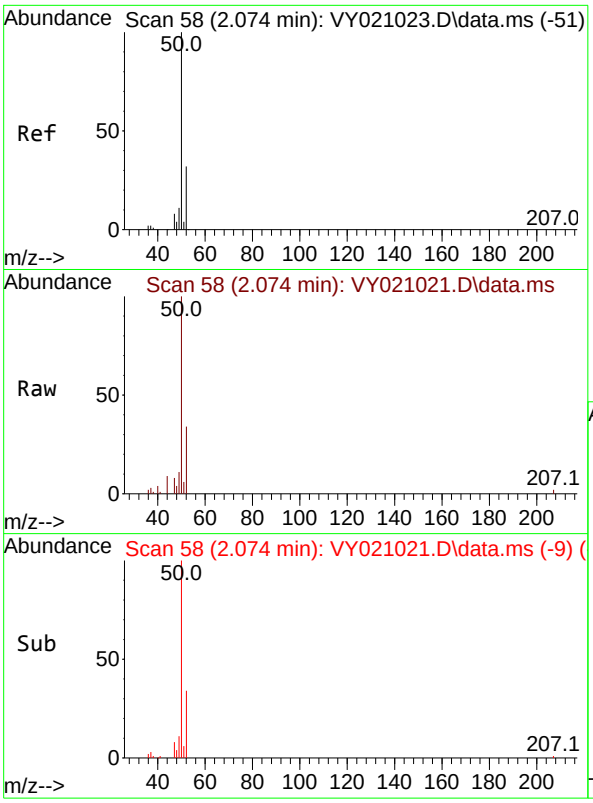


#2
Dichlorodifluoromethane
Concen: 10.296 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 85 Resp: 15959

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.3	48.9

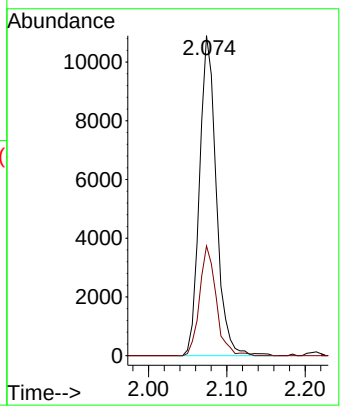




#3
Chloromethane
Concen: 16.458 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 50 Resp: 1621

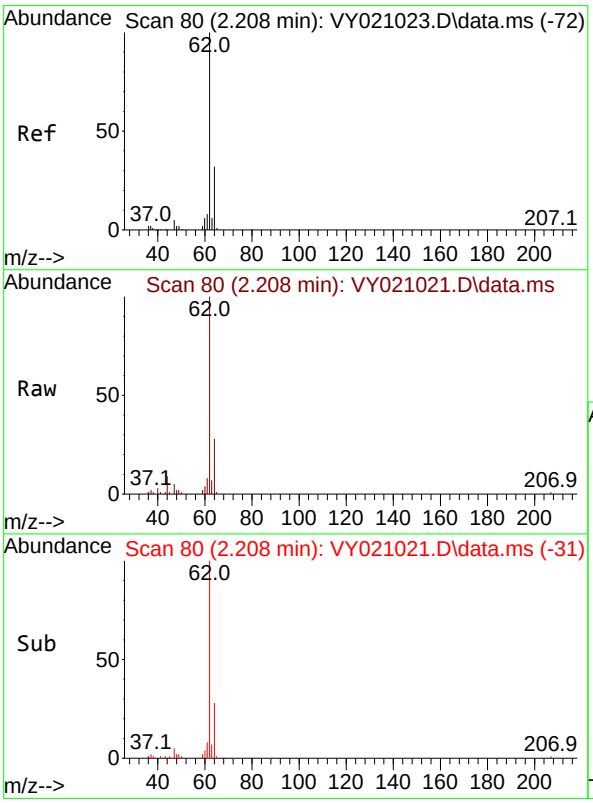
Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

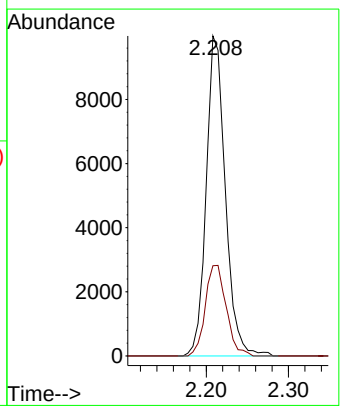
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

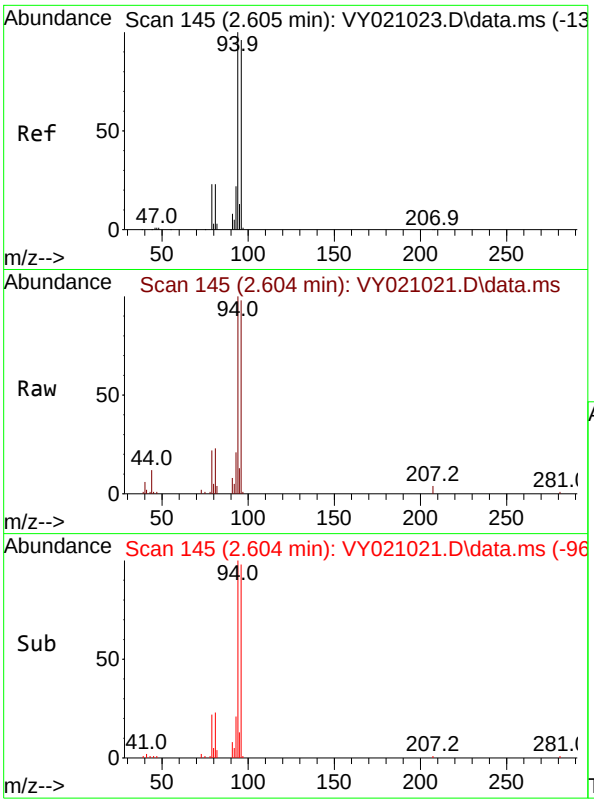


#4
Vinyl Chloride
Concen: 15.839 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 62 Resp: 16094

Ion	Ratio	Lower	Upper
62	100		
64	28.2	25.4	38.2





#5
Bromomethane
Concen: 14.599 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

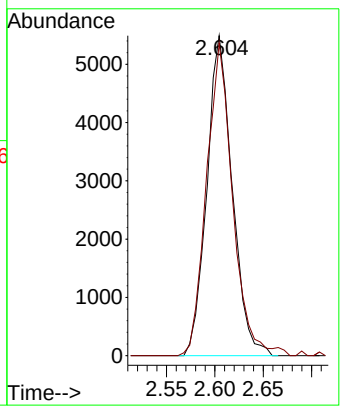
Tgt Ion: 94 Resp: 1004

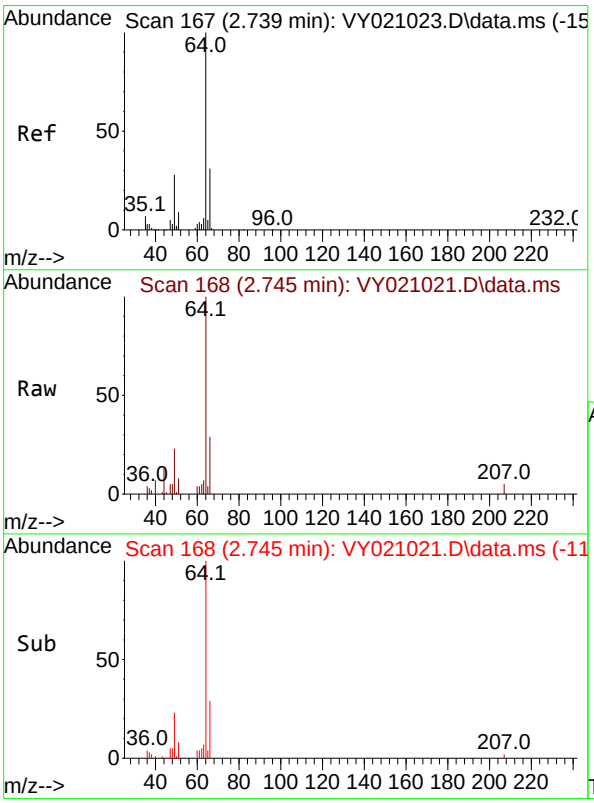
Ion	Ratio	Lower	Upper
94	100		
96	97.7	77.4	116.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

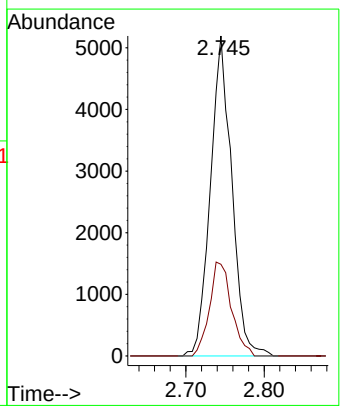


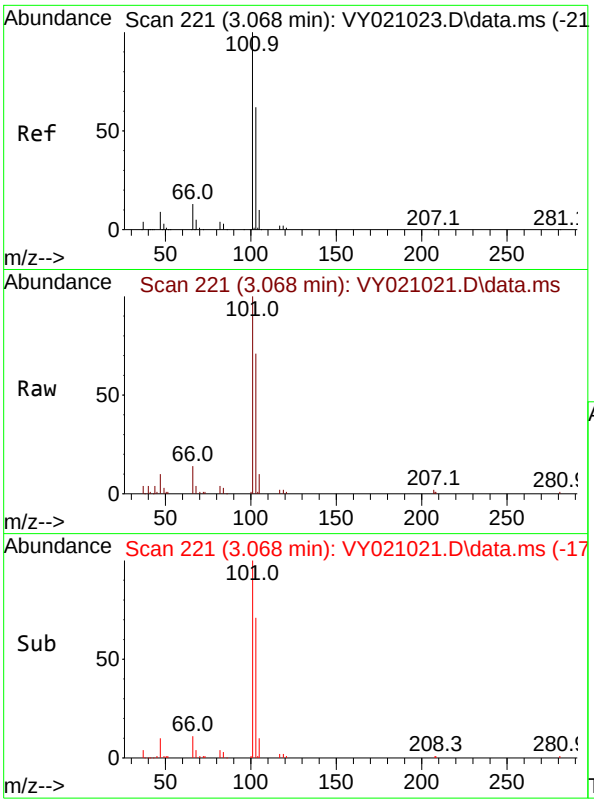


#6
Chloroethane
Concen: 16.561 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 64 Resp: 9830

Ion	Ratio	Lower	Upper
64	100		
66	28.6	25.0	37.4

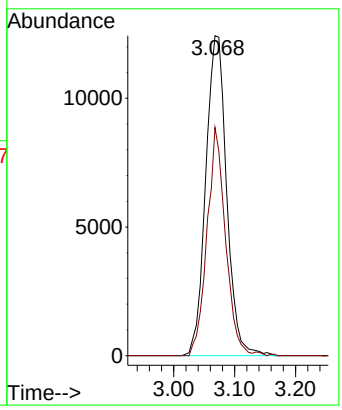




#7
Trichlorofluoromethane
Concen: 12.097 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:101 Resp: 2966

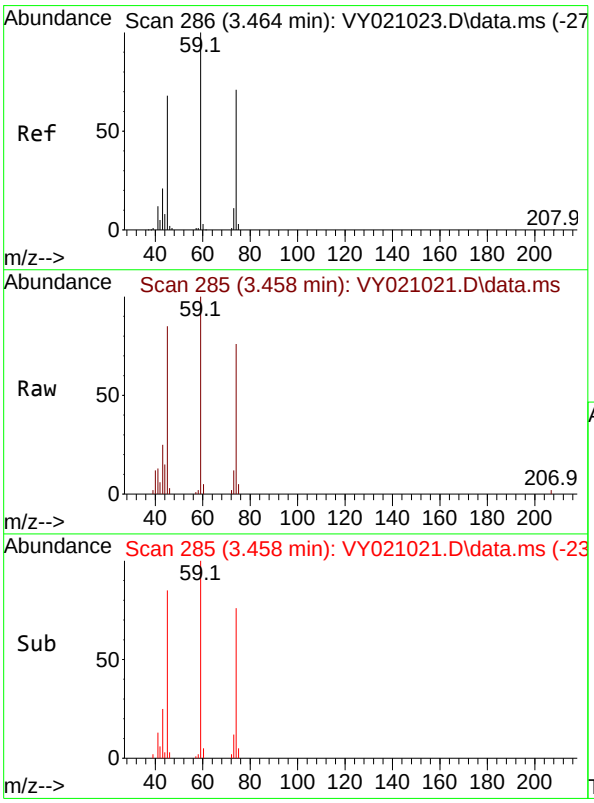
Ion	Ratio	Lower	Upper
101	100		
103	71.3	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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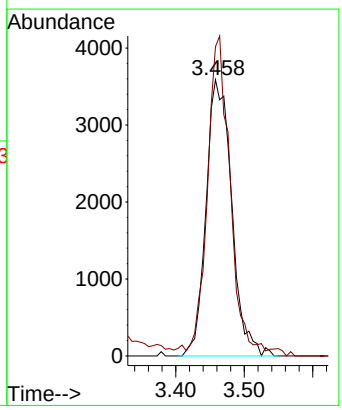
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

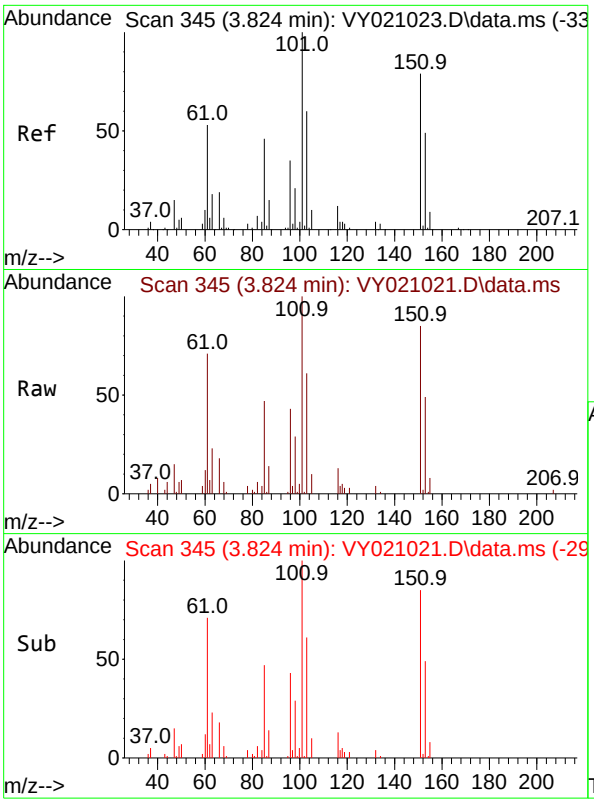


#8
Diethyl Ether
Concen: 12.745 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 74 Resp: 9330

Ion	Ratio	Lower	Upper
74	100		
45	97.0	43.4	130.2

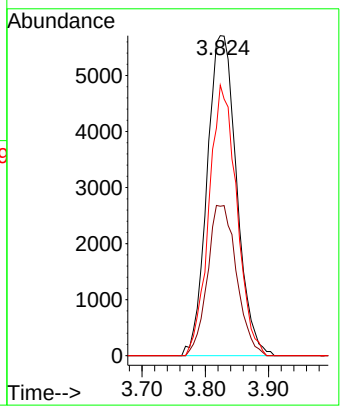




#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.194 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:101 Resp: 1848

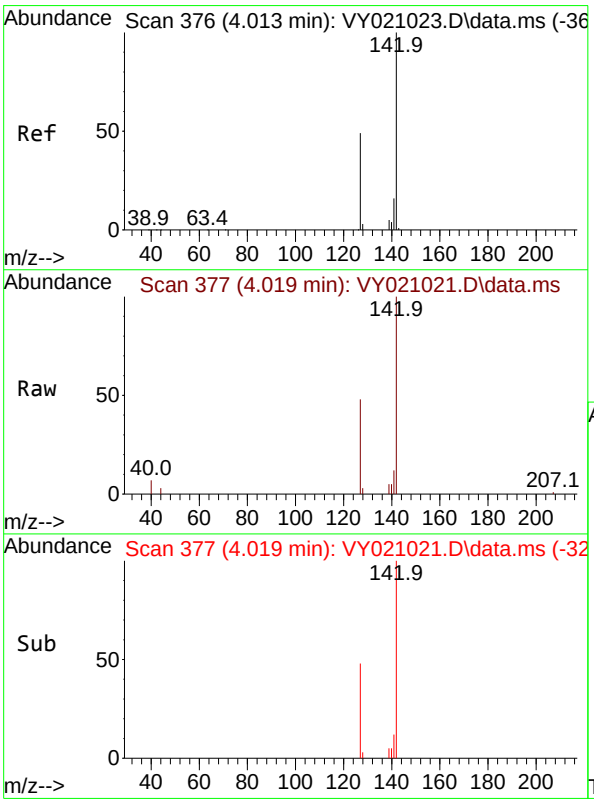
Ion	Ratio	Lower	Upper
101	100		
85	46.3	34.9	52.3
151	79.6	66.8	100.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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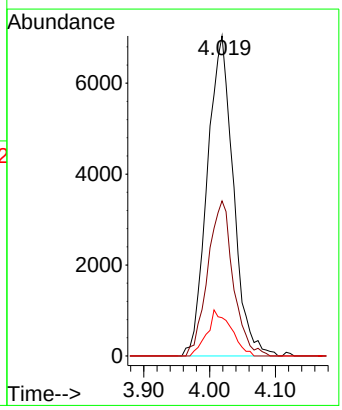
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

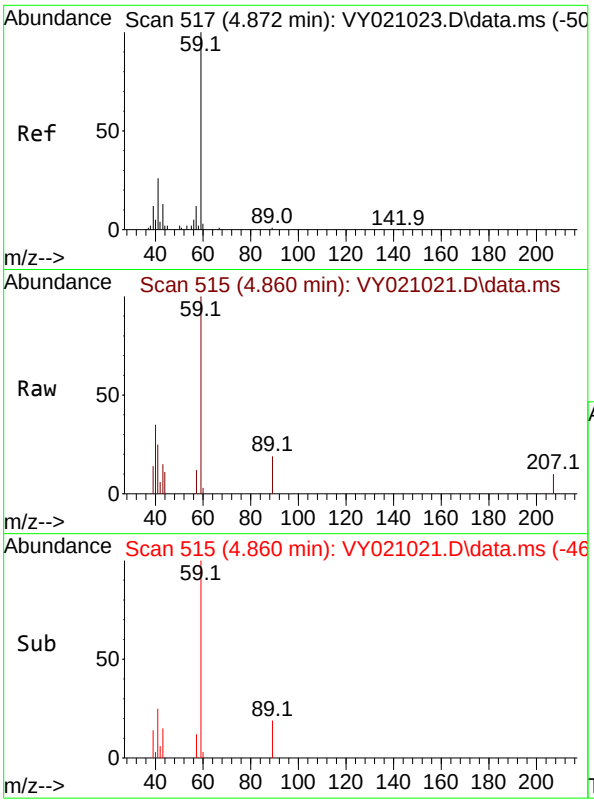


#10
Methyl Iodide
Concen: 10.258 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:142 Resp: 19381

Ion	Ratio	Lower	Upper
142	100		
127	47.5	38.9	58.3
141	13.3	11.7	17.5

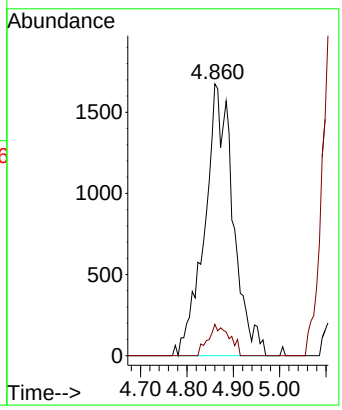




#11
Tert butyl alcohol
Concen: 63.135 ug/l m
RT: 4.860 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 59 Resp: 715

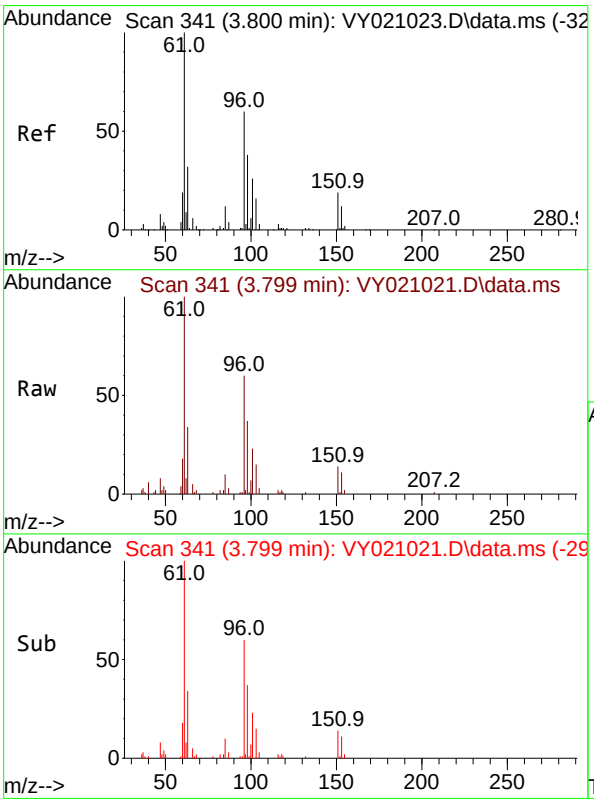
Ion	Ratio	Lower	Upper
59	100		
57	8.6	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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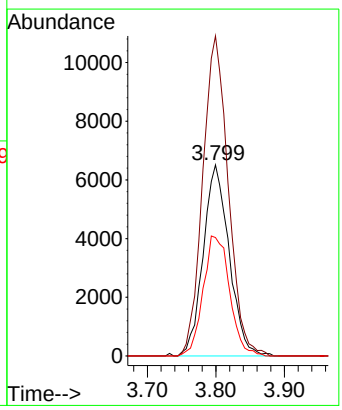
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

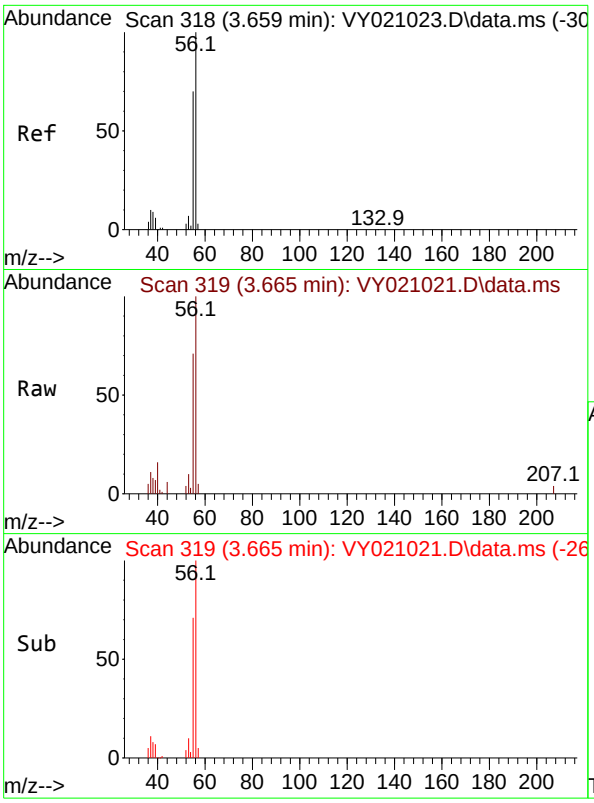


#12
1,1-Dichloroethene
Concen: 11.131 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 96 Resp: 17176

Ion	Ratio	Lower	Upper
96	100		
61	167.5	120.8	181.2
98	62.0	50.6	76.0

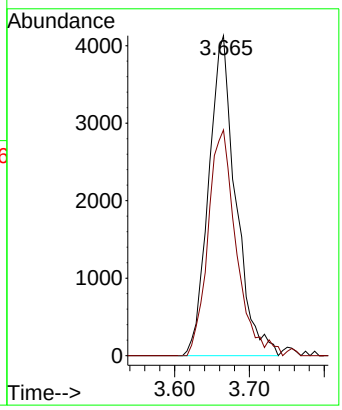




#13
Acrolein
Concen: 79.726 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 56 Resp: 1040

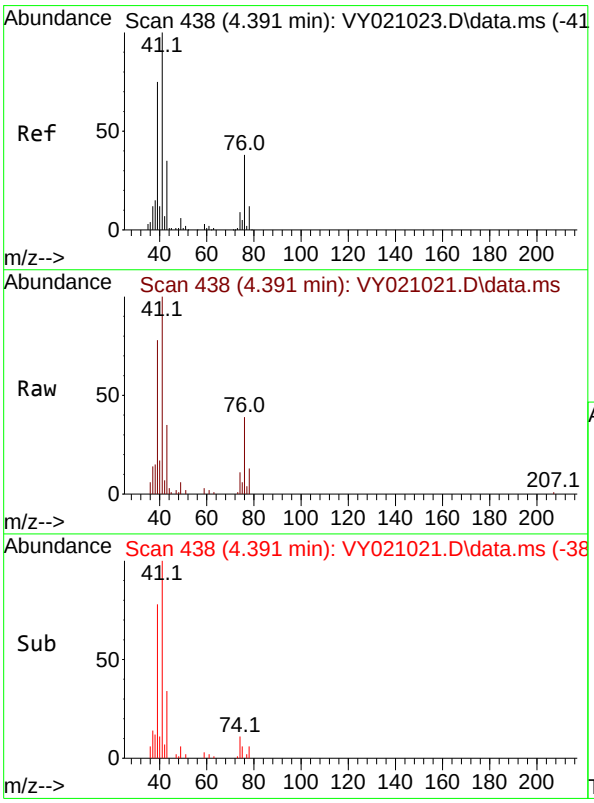
Ion	Ratio	Lower	Upper
56	100		
55	73.3	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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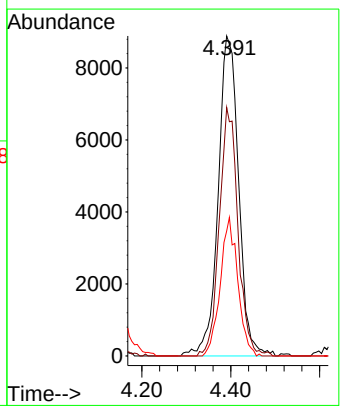
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

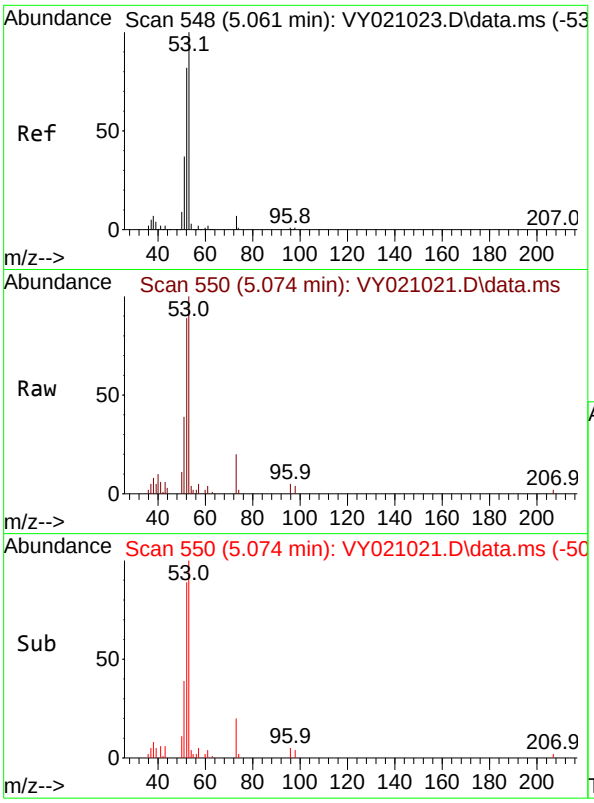


#14
Allyl chloride
Concen: 13.358 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 41 Resp: 28376

Ion	Ratio	Lower	Upper
41	100		
39	70.7	53.5	80.3
76	37.1	34.6	52.0





#15
Acrylonitrile
Concen: 63.446 ug/l
RT: 5.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

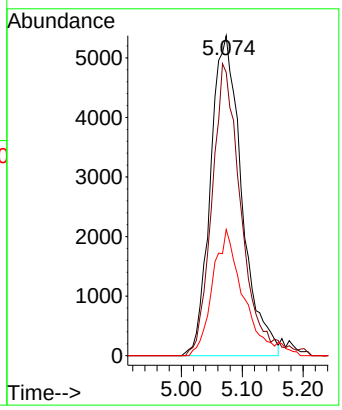
Tgt Ion: 53 Resp: 1910

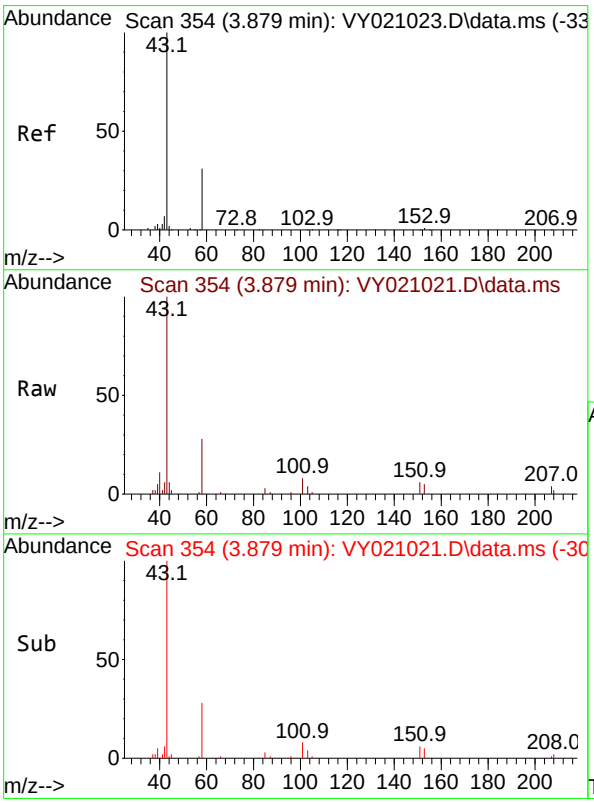
Ion	Ratio	Lower	Upper
53	100		
52	86.0	66.2	99.4
51	38.0	29.4	44.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

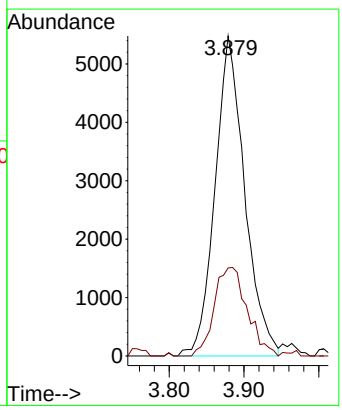


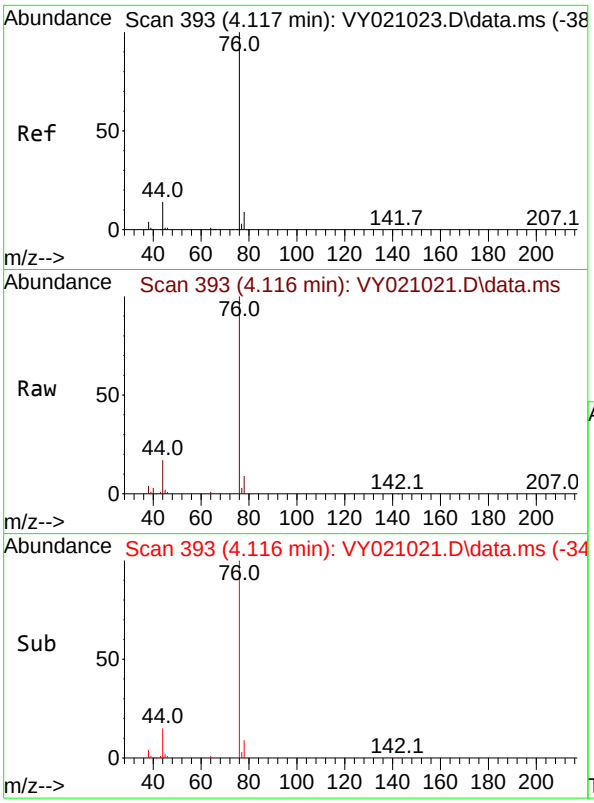


#16
Acetone
Concen: 71.438 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 15112

Ion	Ratio	Lower	Upper
43	100		
58	27.5	28.4	42.6#

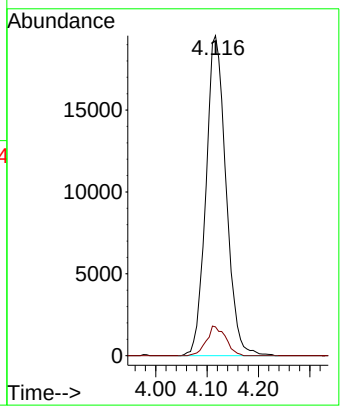




#17
Carbon Disulfide
Concen: 11.171 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 76 Resp: 5308

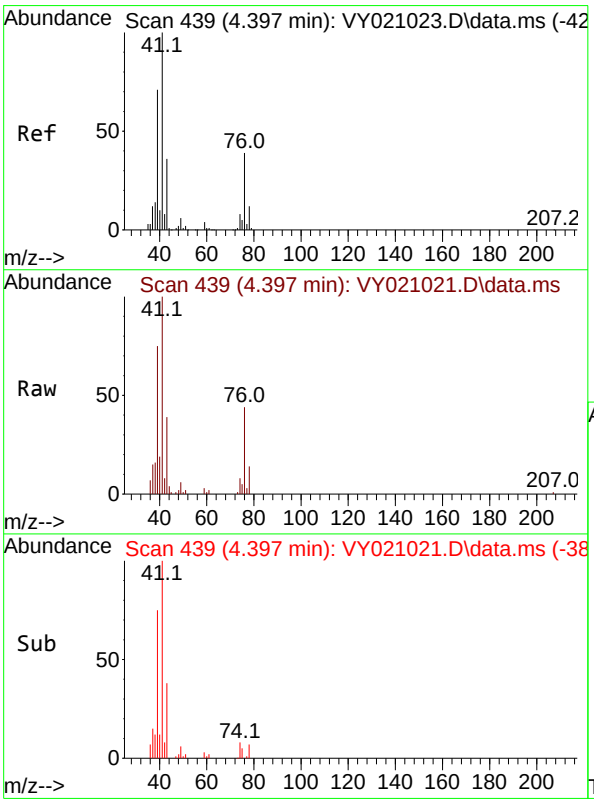
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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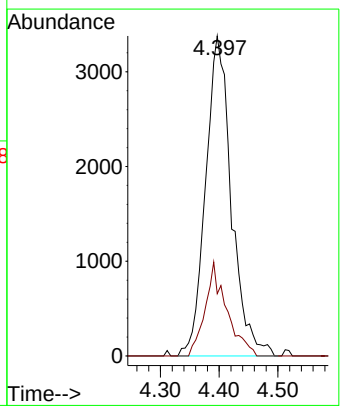
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

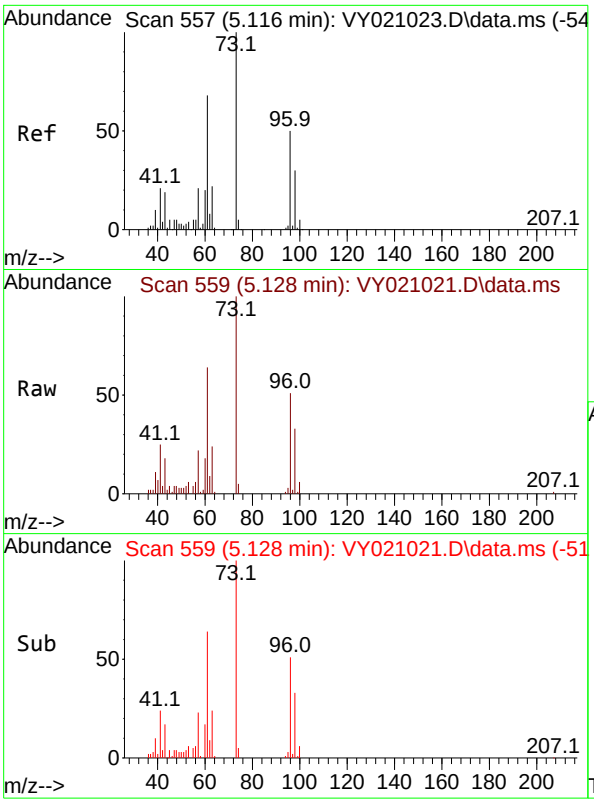


#18
Methyl Acetate
Concen: 13.911 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 10297

Ion	Ratio	Lower	Upper
43	100		
74	24.6	22.2	33.4

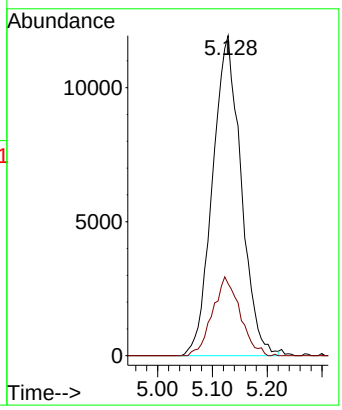




#19
Methyl tert-butyl Ether
Concen: 12.033 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 73 Resp: 4321

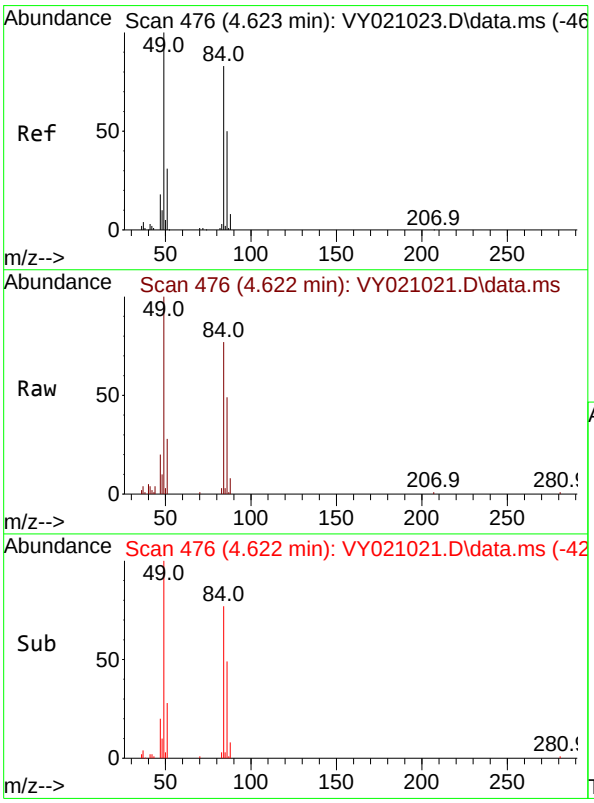
Ion	Ratio	Lower	Upper
73	100		
57	22.5	16.6	25.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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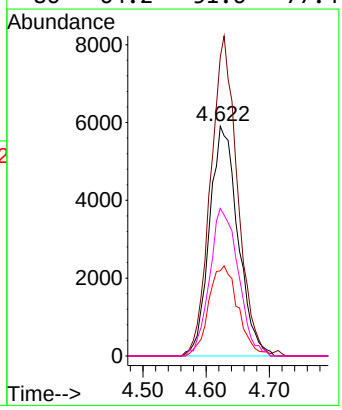
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

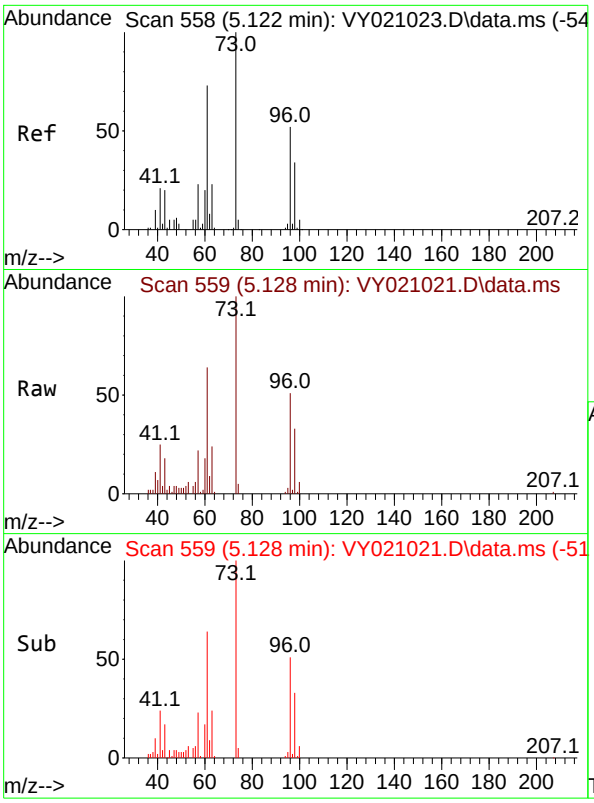


#20
Methylene Chloride
Concen: 11.829 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 84 Resp: 18455

Ion	Ratio	Lower	Upper
84	100		
49	130.0	88.3	132.5
51	37.0	27.7	41.5
86	64.2	51.6	77.4

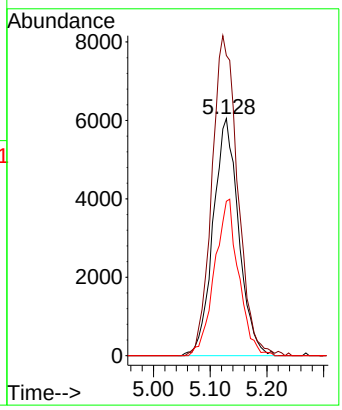




#21
trans-1,2-Dichloroethene
Concen: 11.426 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 96 Resp: 1890

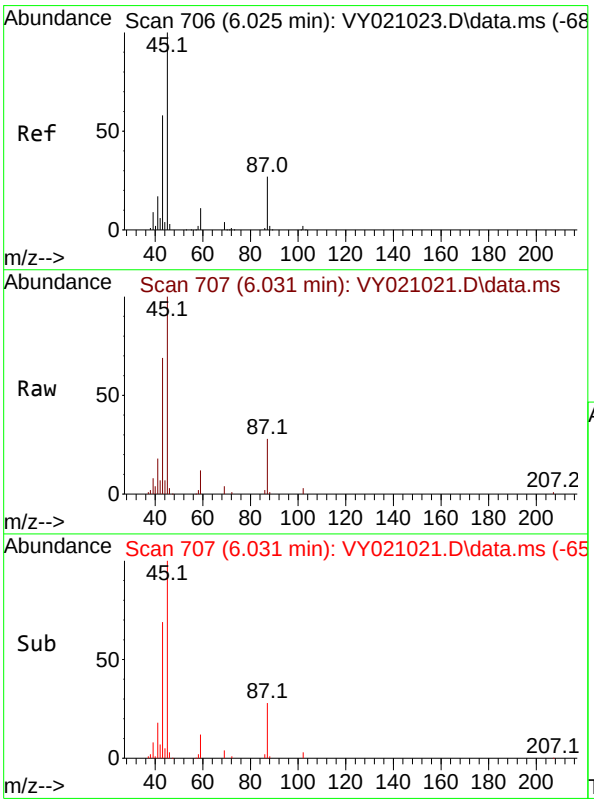
Ion	Ratio	Lower	Upper
96	100		
61	126.5	101.5	152.3
98	65.1	52.0	78.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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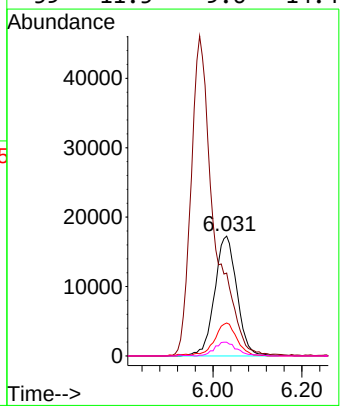
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

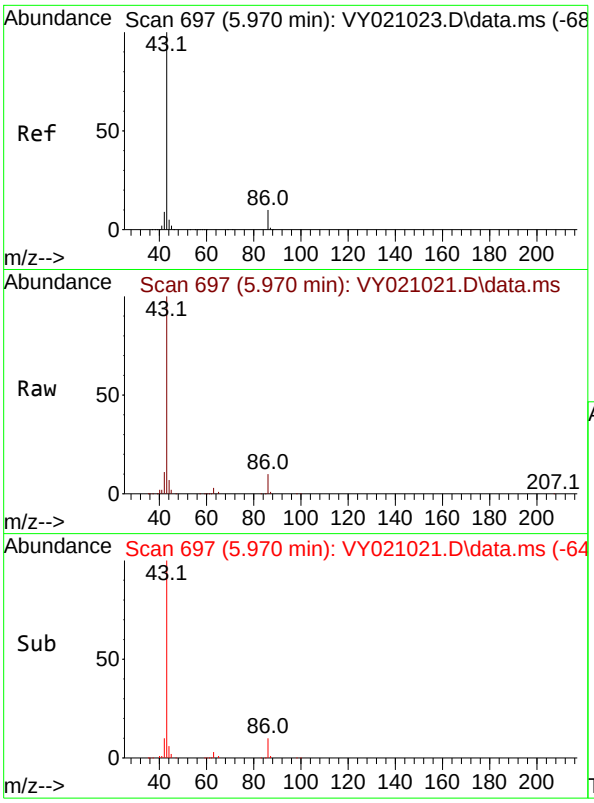


#22
Diisopropyl ether
Concen: 13.831 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 45 Resp: 59888

Ion	Ratio	Lower	Upper
45	100		
43	67.8	45.1	67.7#
87	27.5	25.0	37.4
59	11.5	9.6	14.4





#23
Vinyl Acetate
Concen: 69.409 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

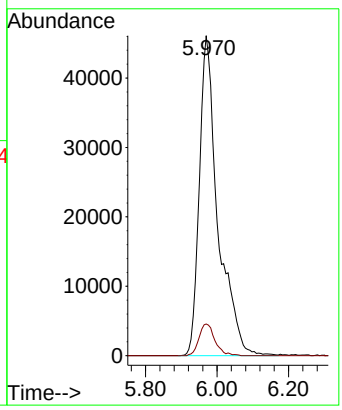
Tgt Ion: 43 Resp: 16643

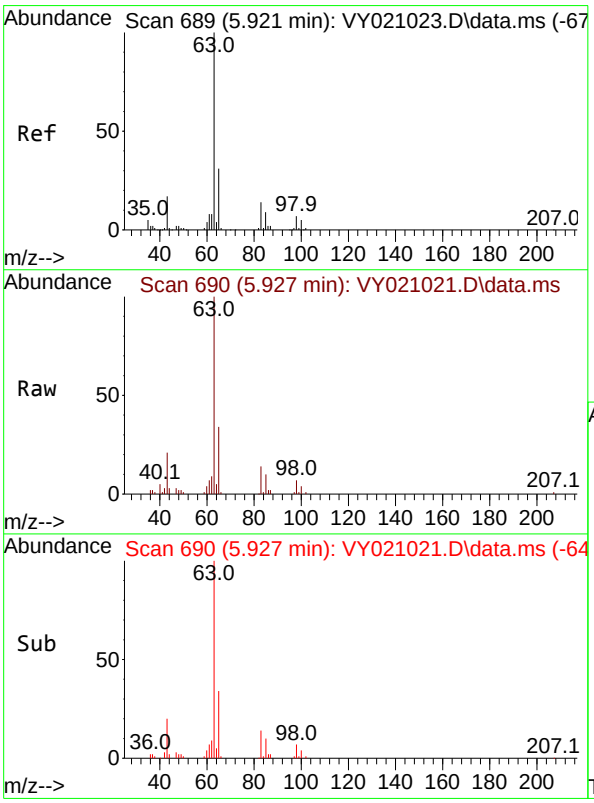
Ion	Ratio	Lower	Upper
43	100		
86	9.9	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

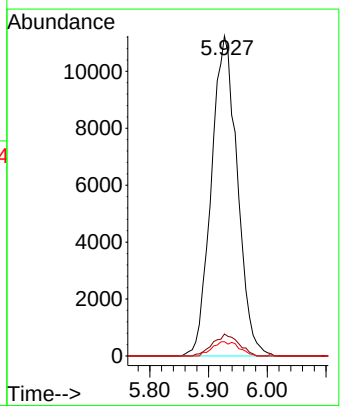


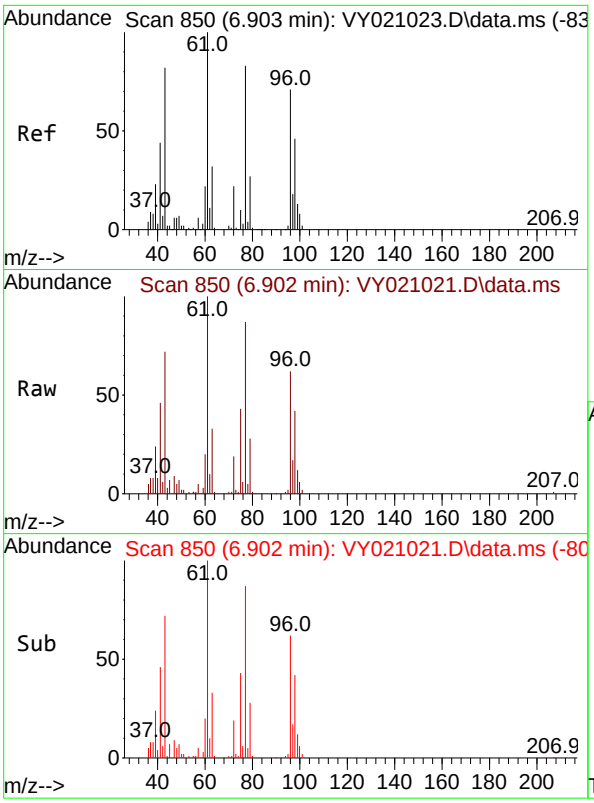


#24
1,1-Dichloroethane
Concen: 12.375 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 63 Resp: 34569

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.7	11.1
100	4.4	2.4	7.2





#25
2-Butanone
Concen: 67.624 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

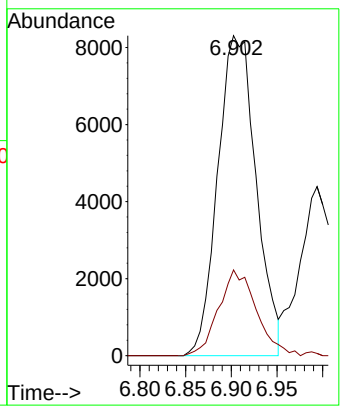
Tgt Ion: 43 Resp: 2426

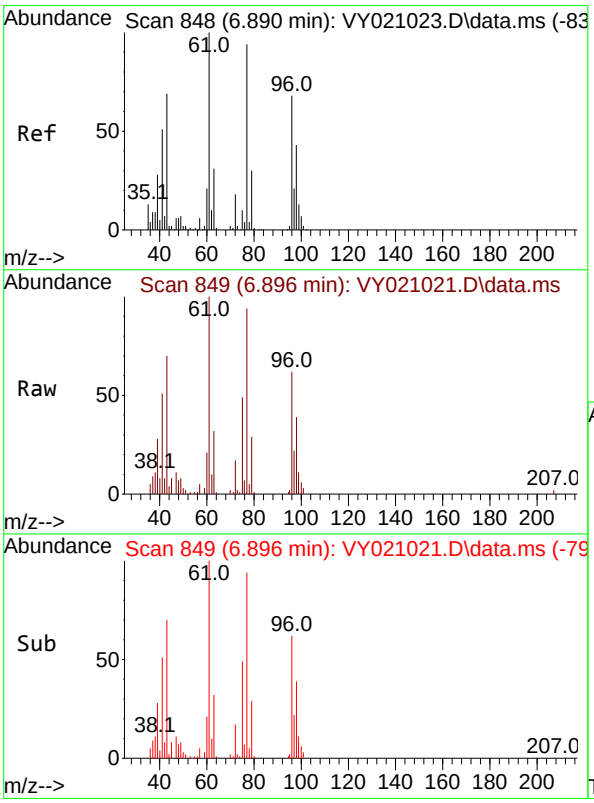
Ion	Ratio	Lower	Upper
43	100		
72	26.8	24.3	36.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

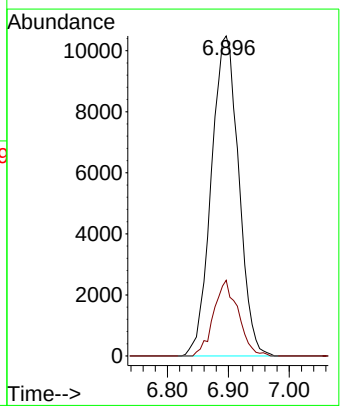


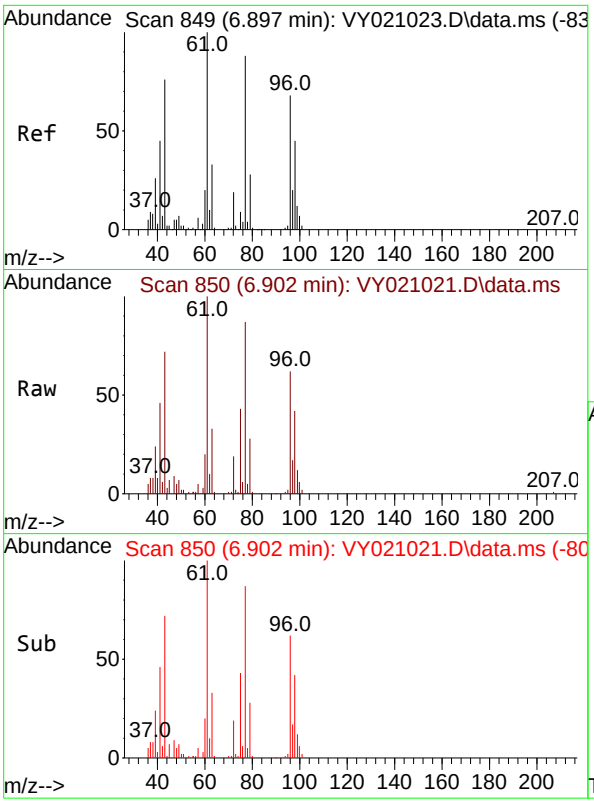


#26
2,2-Dichloropropane
Concen: 11.915 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 77 Resp: 32771

Ion	Ratio	Lower	Upper
77	100		
97	21.3	11.4	34.2

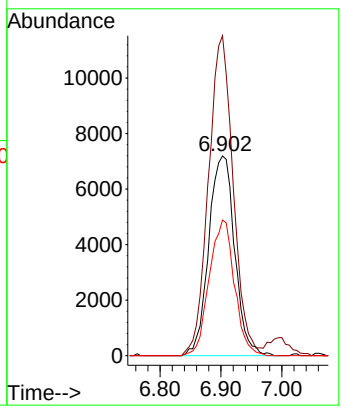




#27
cis-1,2-Dichloroethene
Concen: 11.206 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 96 Resp: 2130

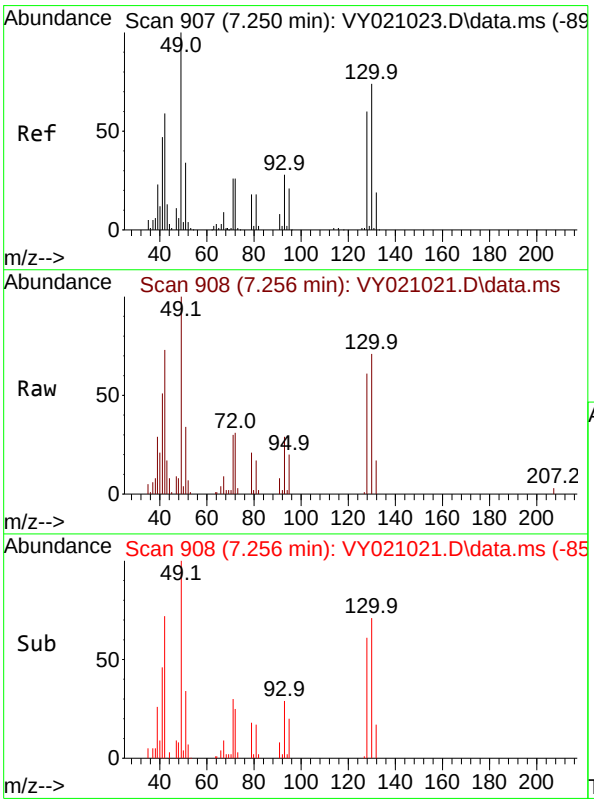
Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	274.0
98	65.8	0.0	130.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

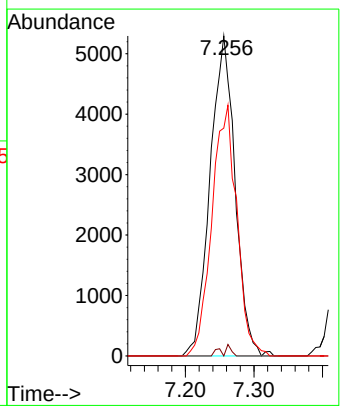
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

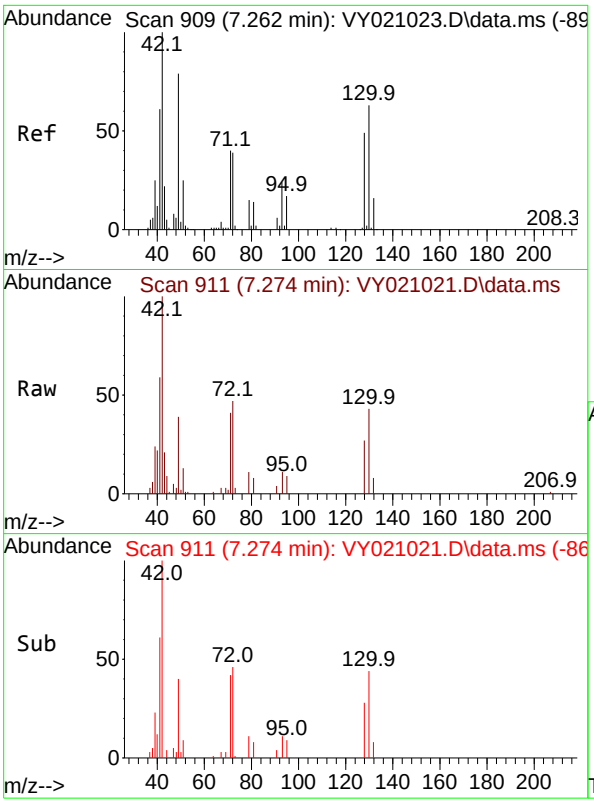


#28
Bromochloromethane
Concen: 12.892 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 49 Resp: 13417

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	5.0
130	78.2	73.2	109.8

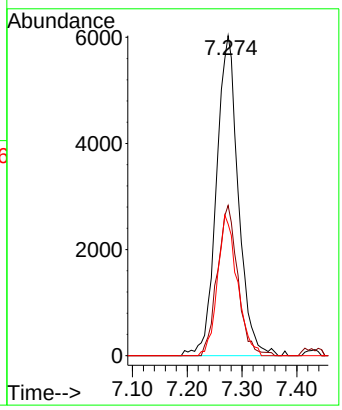




#29
Tetrahydrofuran
Concen: 69.395 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 42 Resp: 1675

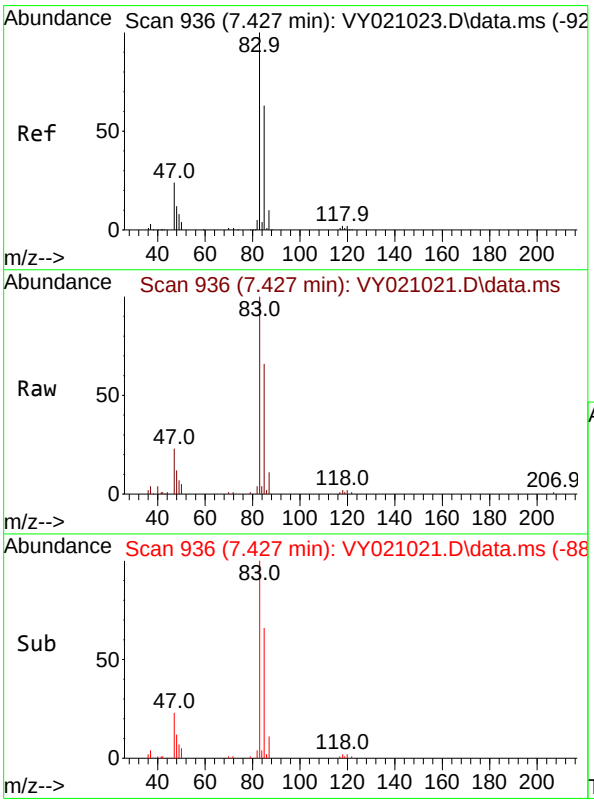
Ion	Ratio	Lower	Upper
42	100		
72	43.8	39.3	58.9
71	39.8	36.1	54.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

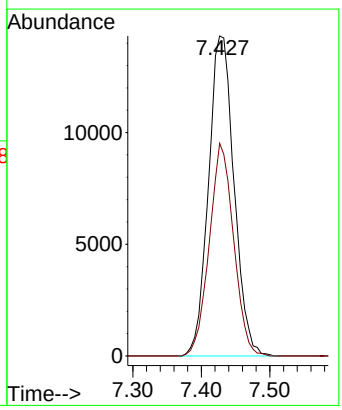
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

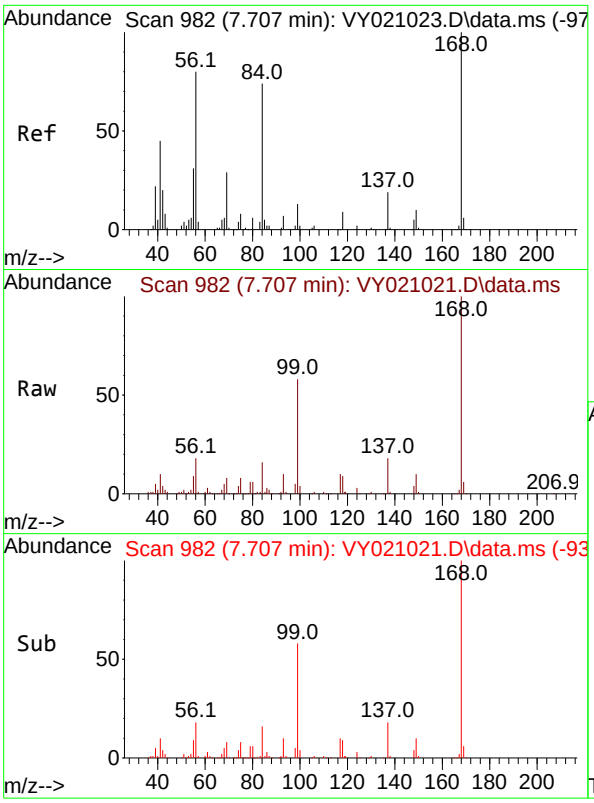


#30
Chloroform
Concen: 12.247 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 83 Resp: 37054

Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.9	79.3





#31
Cyclohexane
Concen: 11.819 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

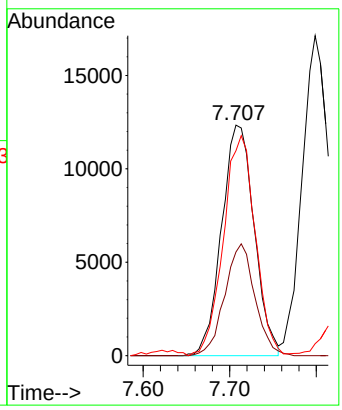
Tgt Ion: 56 Resp: 3227

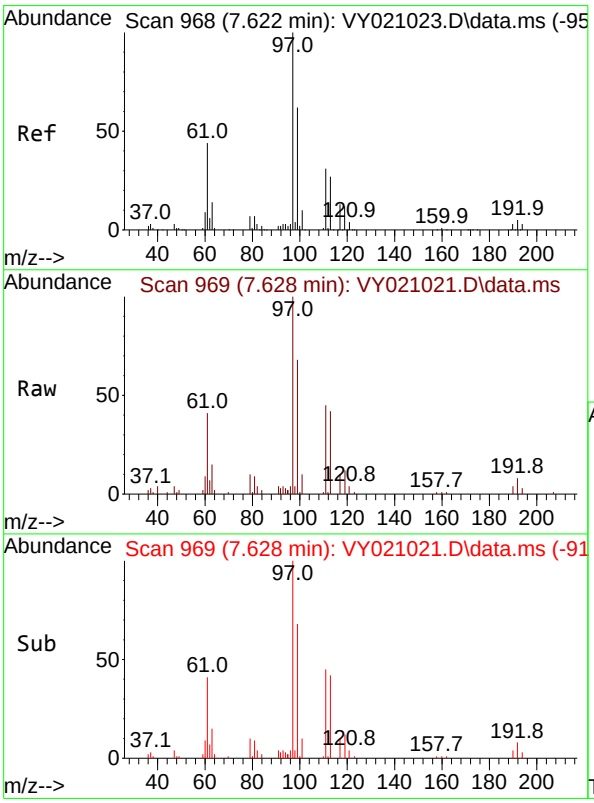
Ion	Ratio	Lower	Upper
56	100		
69	44.9	27.7	41.5
84	87.6	77.5	116.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

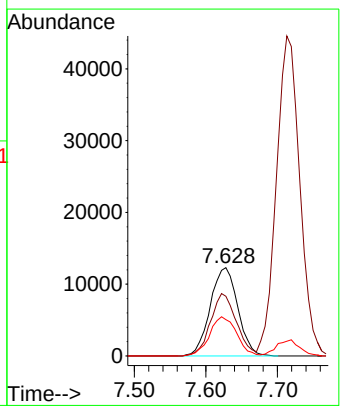


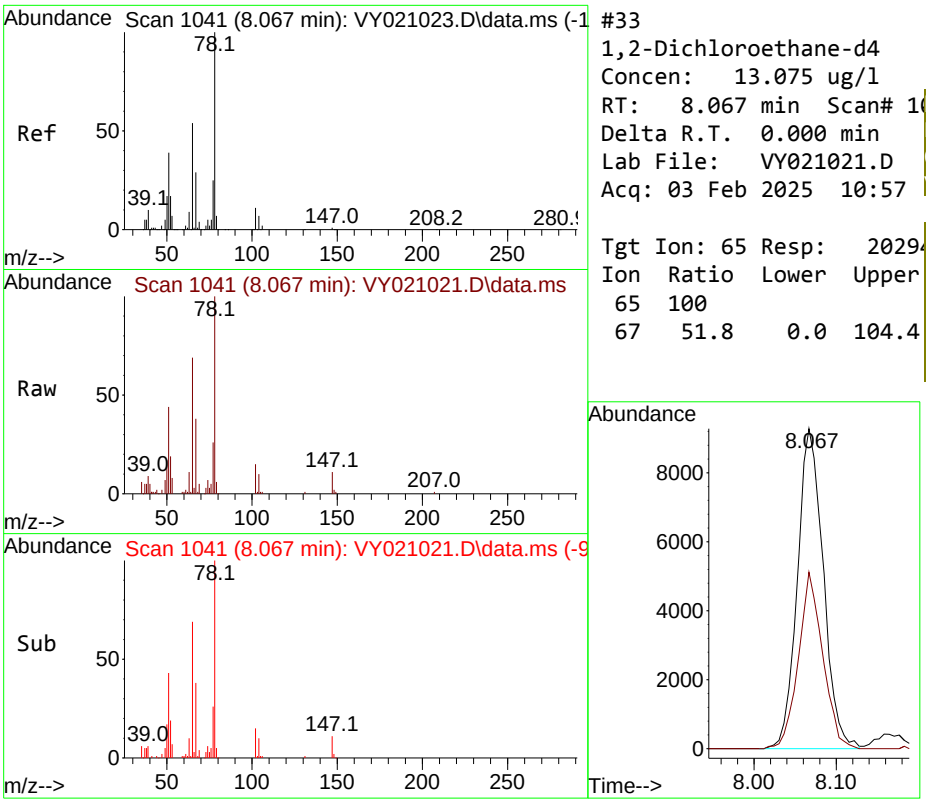


#32
1,1,1-Trichloroethane
Concen: 11.223 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 97 Resp: 32862

Ion	Ratio	Lower	Upper
97	100		
99	66.6	51.4	77.0
61	43.8	31.4	47.0





#33
1,2-Dichloroethane-d4
Concen: 13.075 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

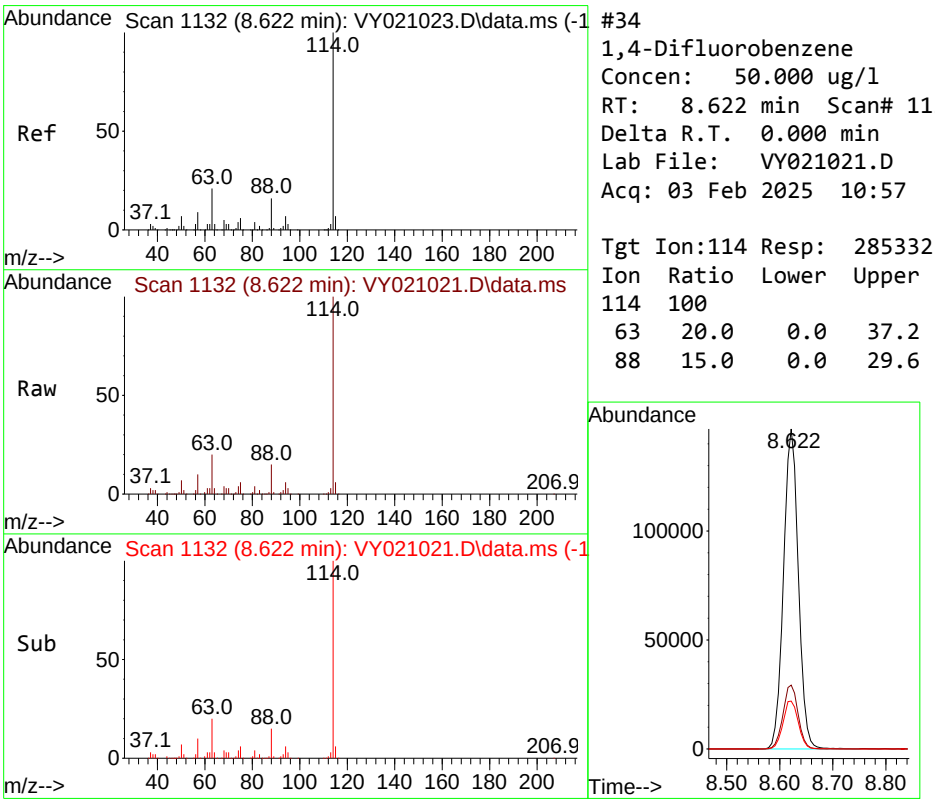
Tgt Ion: 65 Resp: 2029

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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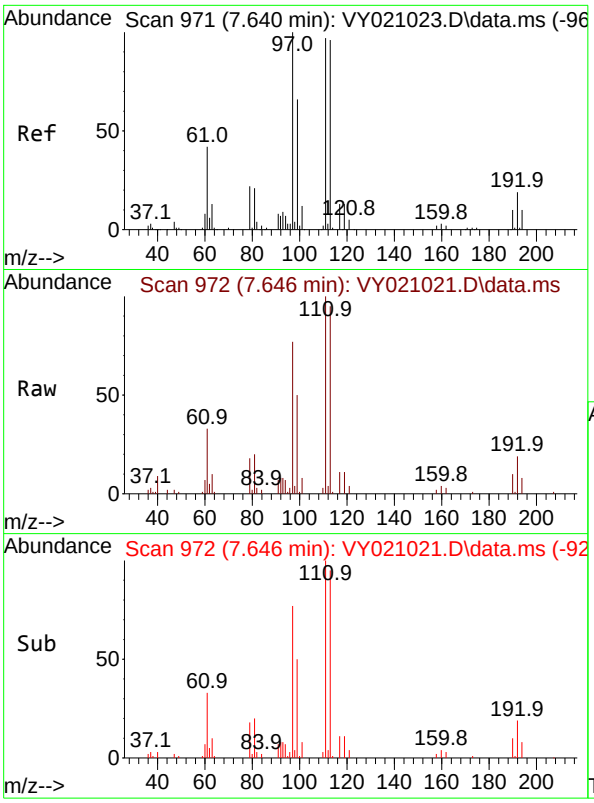
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:114 Resp: 285332

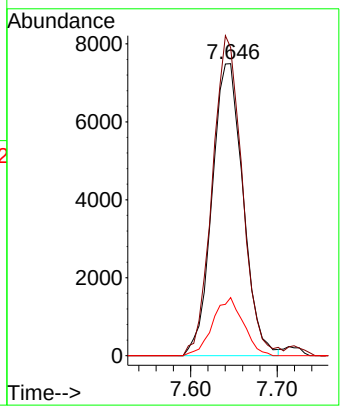
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	37.2
88	15.0	0.0	29.6



#35
Dibromofluoromethane
Concen: 10.859 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:113 Resp: 1862

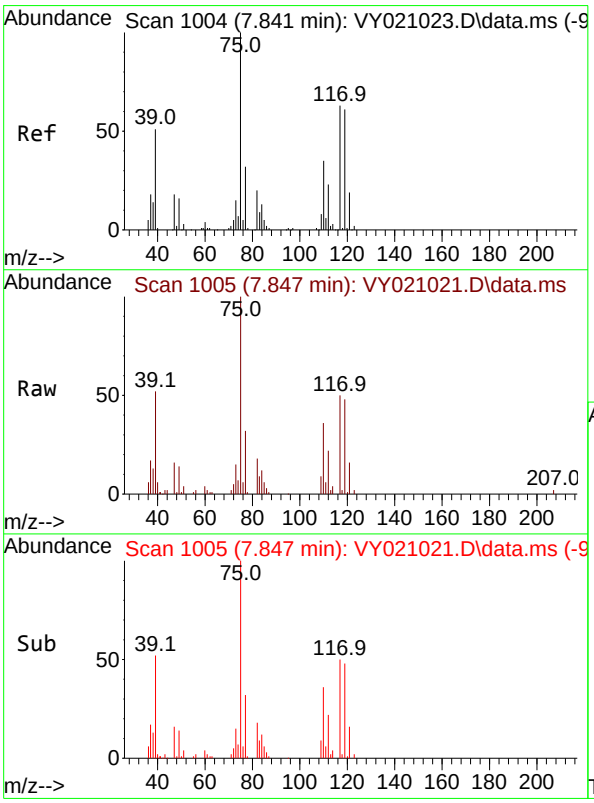
Ion	Ratio	Lower	Upper
113	100		
111	105.3	82.6	123.8
192	19.6	16.8	25.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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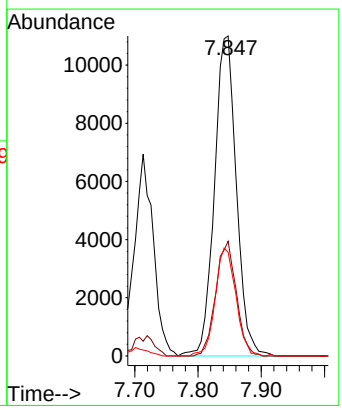
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

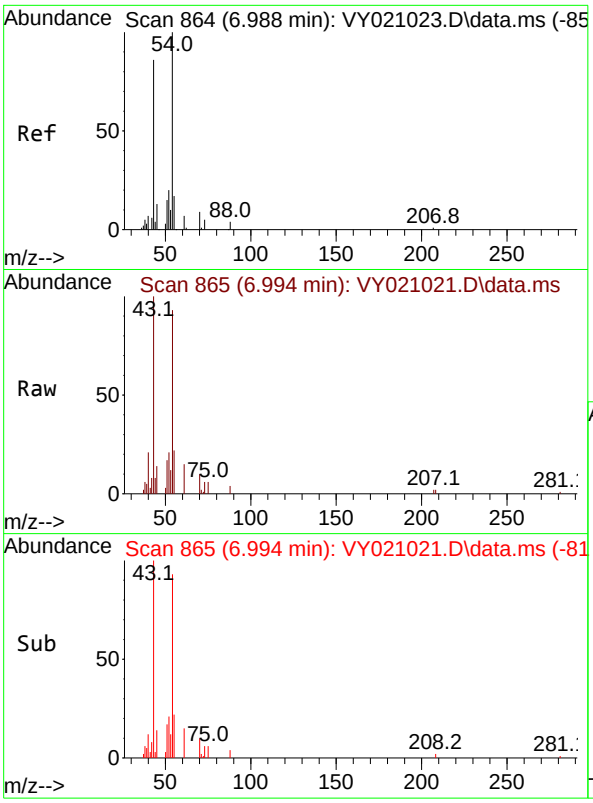


#36
1,1-Dichloropropene
Concen: 10.820 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 26479

Ion	Ratio	Lower	Upper
75	100		
110	33.6	18.4	55.2
77	31.8	24.9	37.3

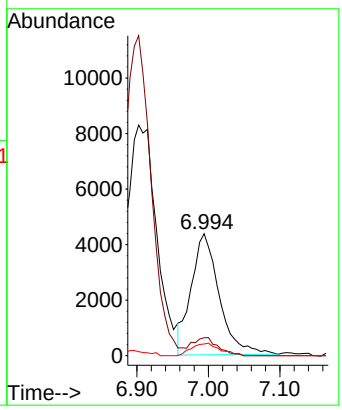




#37
Ethyl Acetate
Concen: 13.017 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 1187

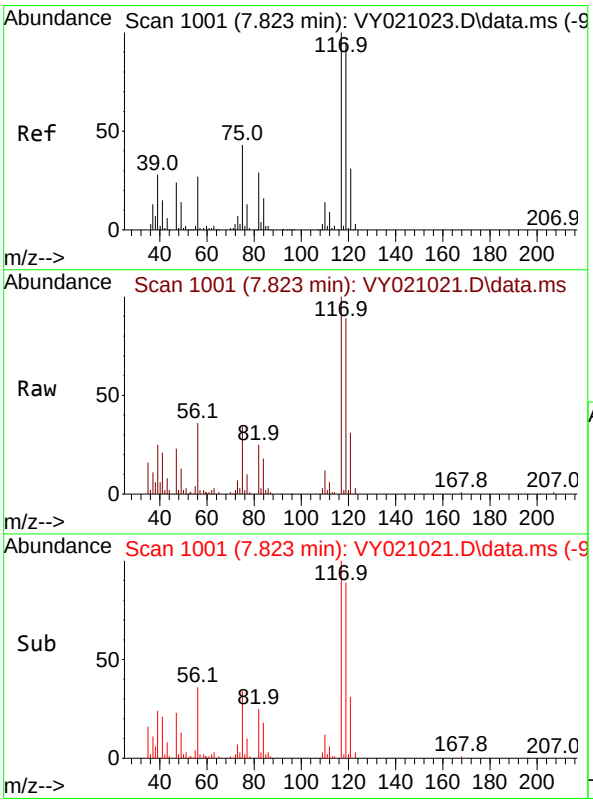
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.4	17.0
70	10.3	9.6	14.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

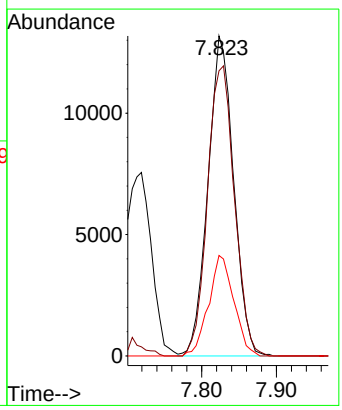
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

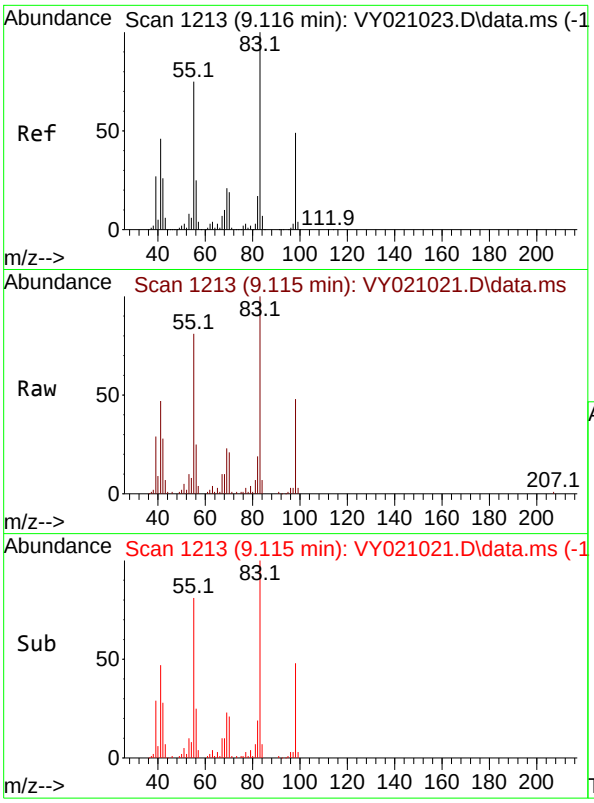


#38
Carbon Tetrachloride
Concen: 10.389 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:117 Resp: 31462

Ion	Ratio	Lower	Upper
117	100		
119	89.1	75.0	112.6
121	31.4	24.2	36.2





#39
Methylcyclohexane
Concen: 9.549 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

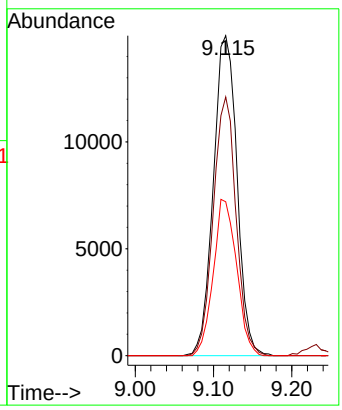
Tgt Ion: 83 Resp: 3139

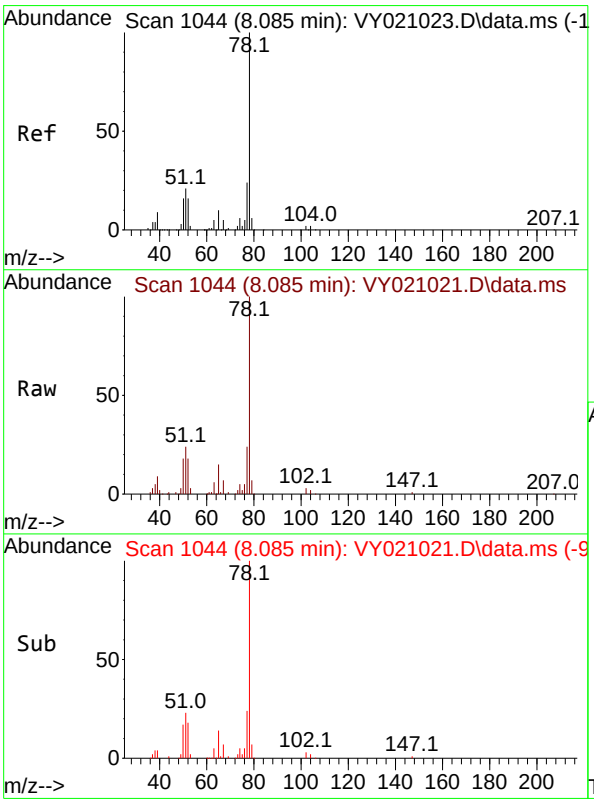
Ion	Ratio	Lower	Upper
83	100		
55	80.9	54.9	82.3
98	48.1	40.5	60.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

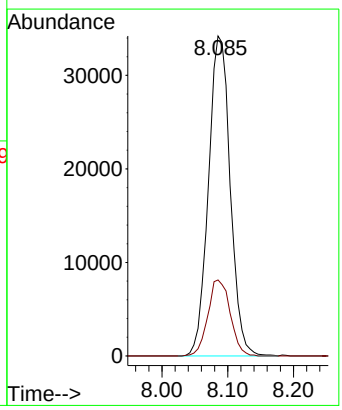


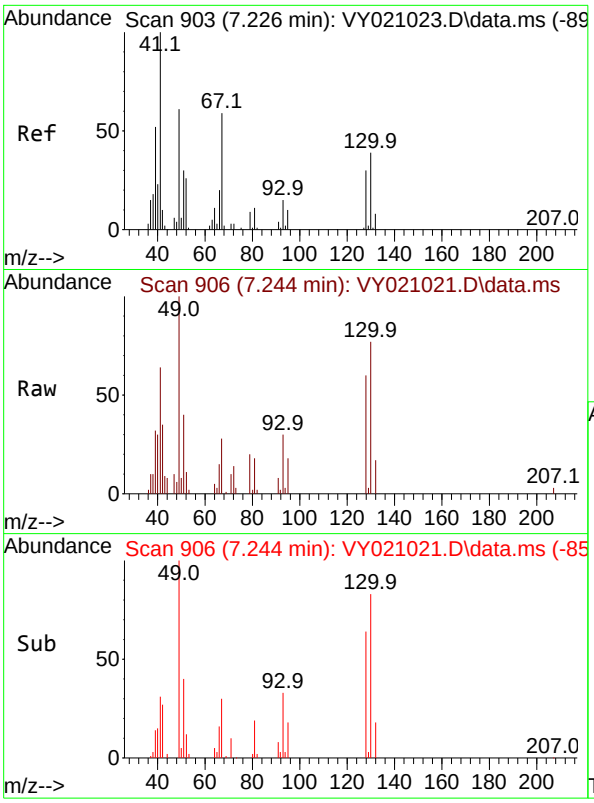


#40
Benzene
Concen: 10.950 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 78 Resp: 78846

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.2

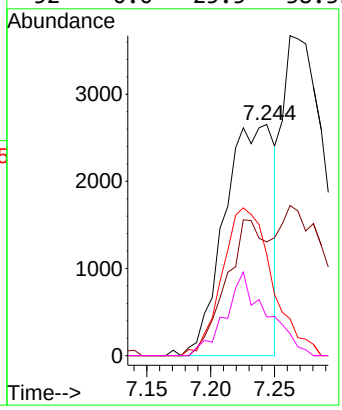




#41
Methacrylonitrile
Concen: 14.253 ug/l m
RT: 7.244 min Scan# 9
Delta R.T. 0.019 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 41 Resp: 719

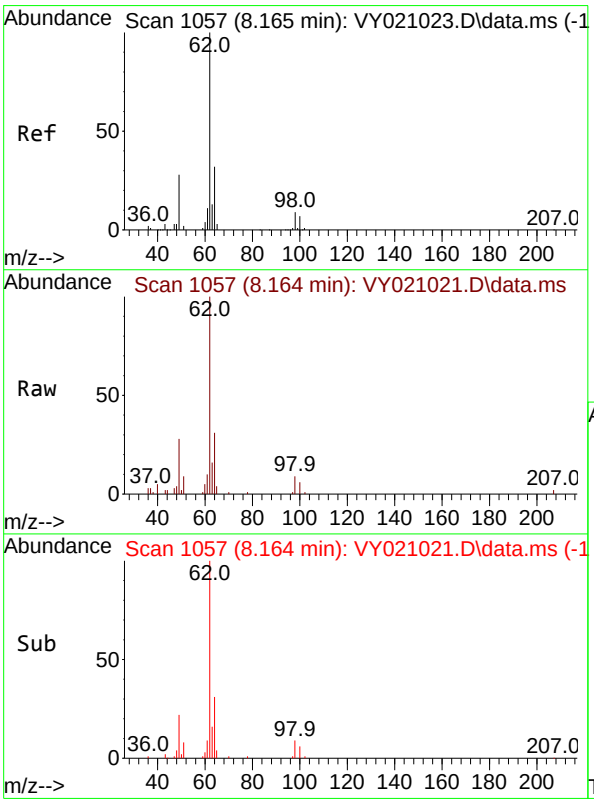
Ion	Ratio	Lower	Upper
41	100		
39	57.7	41.6	62.4
67	0.0	63.8	95.6#
52	0.0	25.5	38.3#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

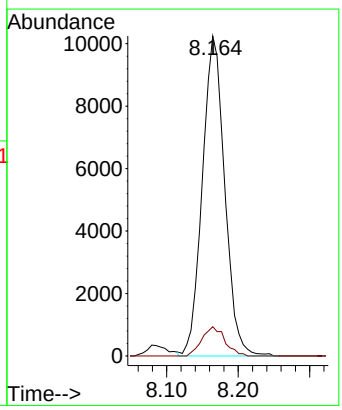
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

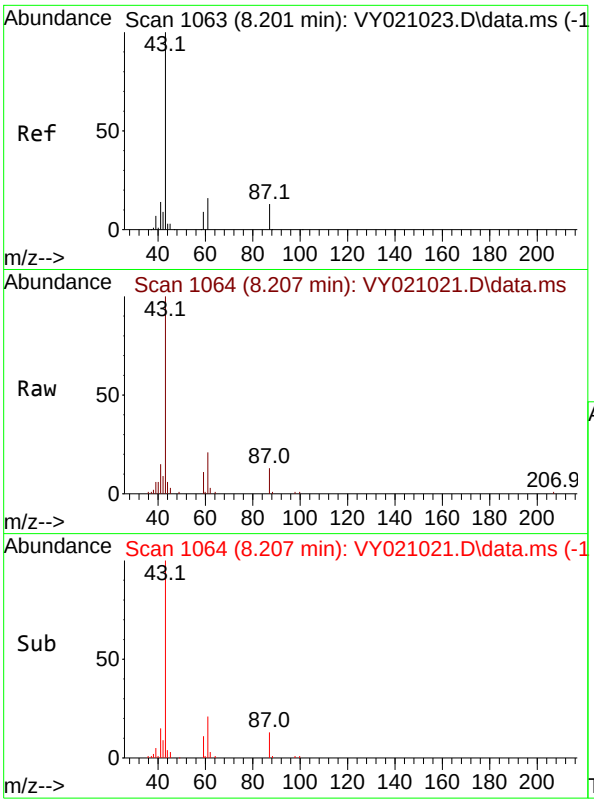


#42
1,2-Dichloroethane
Concen: 12.201 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 62 Resp: 22281

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4





#43
Isopropyl Acetate
Concen: 13.055 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

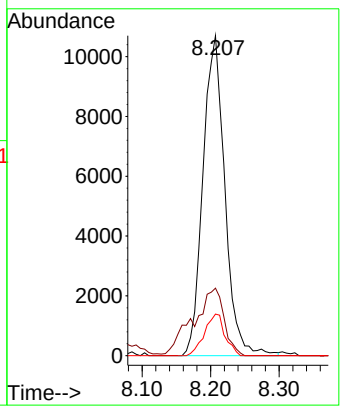
Tgt Ion: 43 Resp: 2379

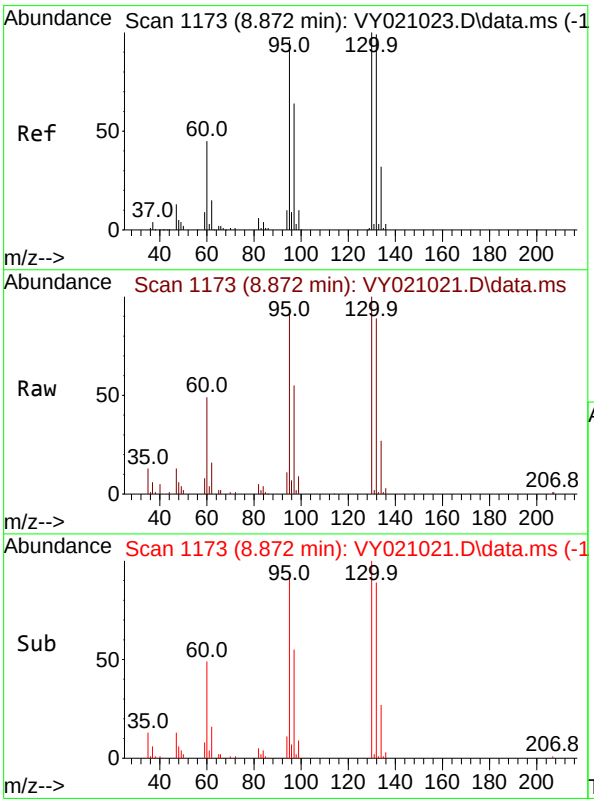
Ion	Ratio	Lower	Upper
43	100		
61	29.8	15.8	23.6#
87	12.1	12.5	18.7#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

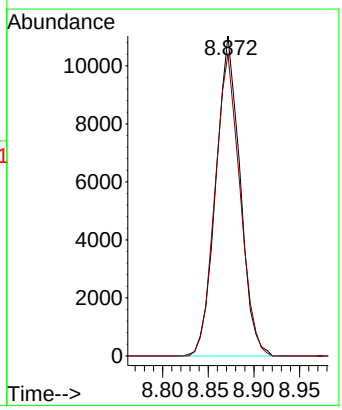


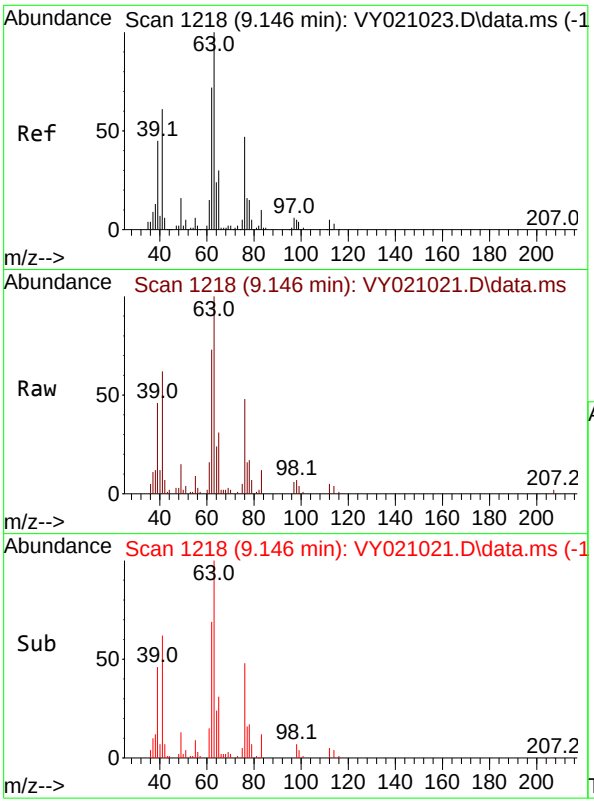


#44
Trichloroethene
Concen: 10.197 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:130 Resp: 20261

Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	189.6

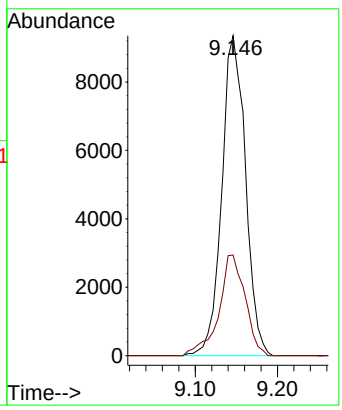




#45
1,2-Dichloropropane
Concen: 11.627 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 63 Resp: 1876

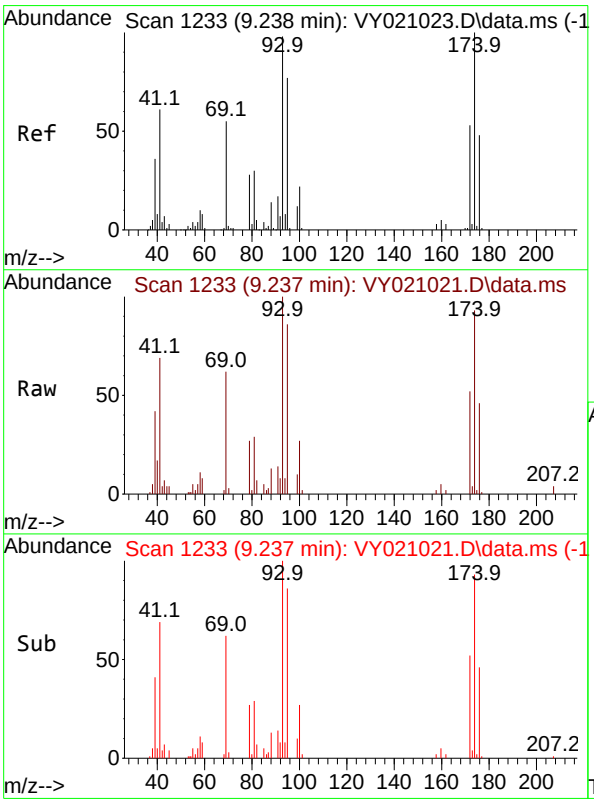
Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.6	35.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

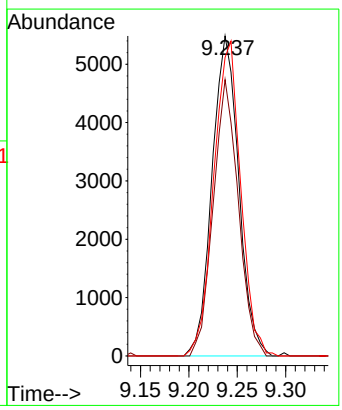
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

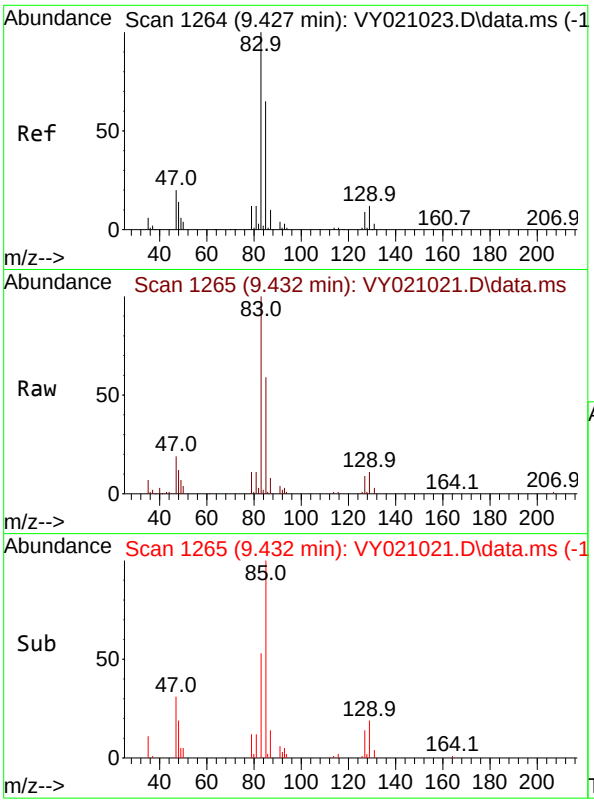


#46
Dibromomethane
Concen: 11.191 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 93 Resp: 10511

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.8	98.8
174	99.5	88.1	132.1

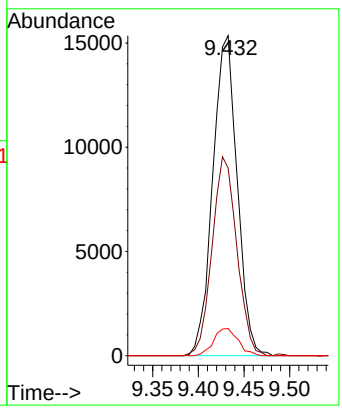




#47
Bromodichloromethane
Concen: 11.570 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 83 Resp: 2853

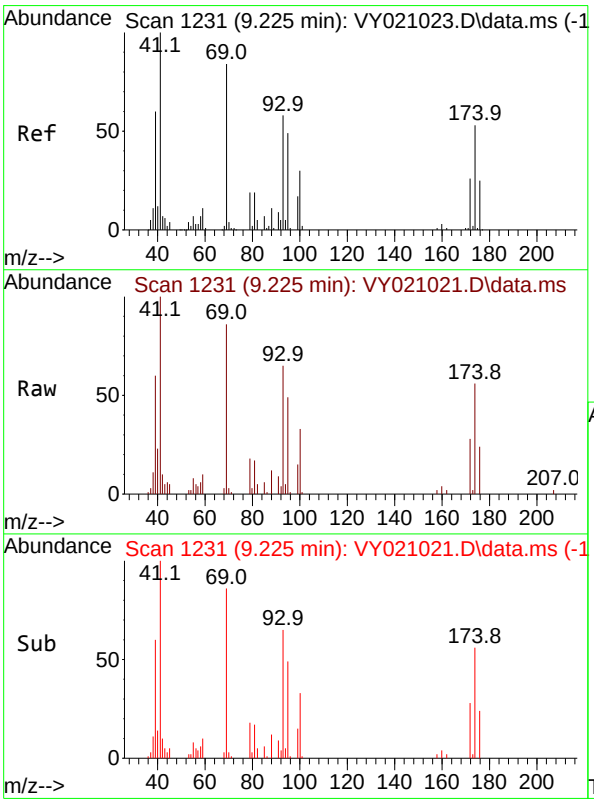
Ion	Ratio	Lower	Upper
83	100		
85	58.7	49.6	74.4
127	8.5	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

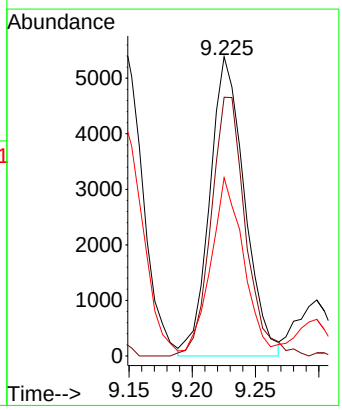
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

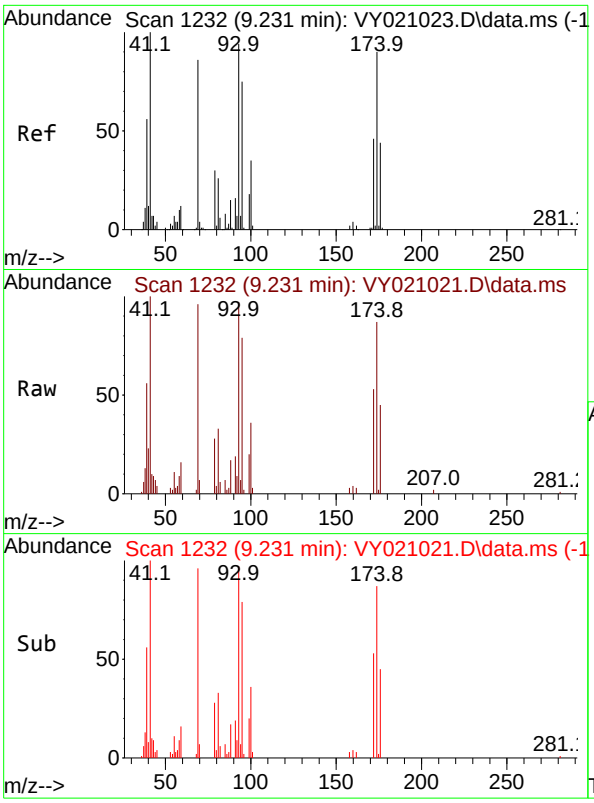


#48
Methyl methacrylate
Concen: 11.866 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 41 Resp: 10297

Ion	Ratio	Lower	Upper
41	100		
69	85.7	75.6	113.4
39	54.0	41.3	61.9

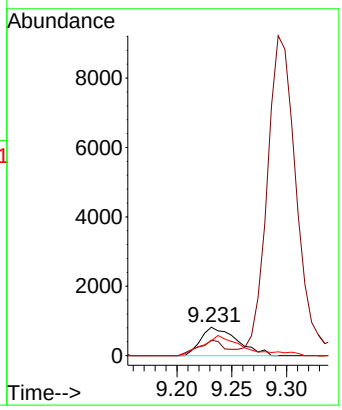




#49
1,4-Dioxane
Concen: 188.876 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 88 Resp: 188

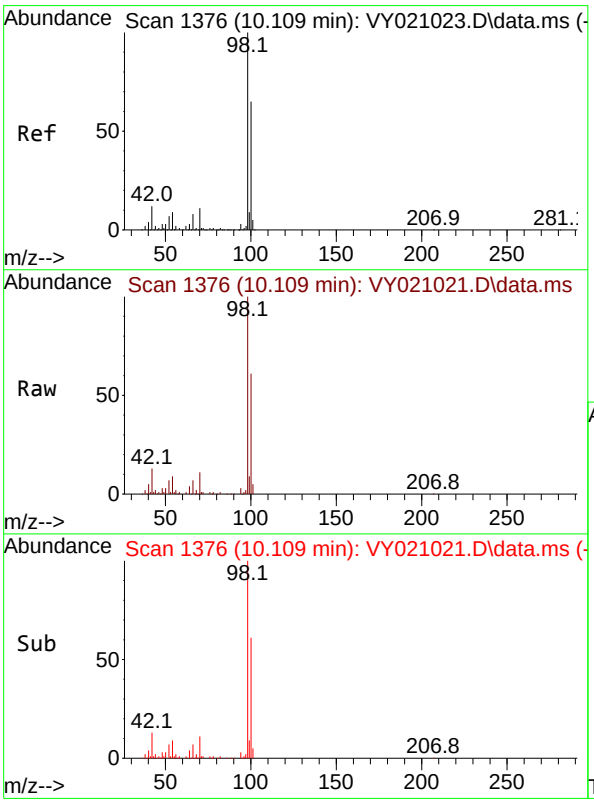
Ion	Ratio	Lower	Upper
88	100		
43	39.2	24.2	36.4
58	79.4	57.3	85.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

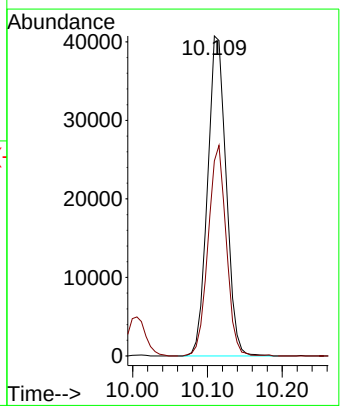
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

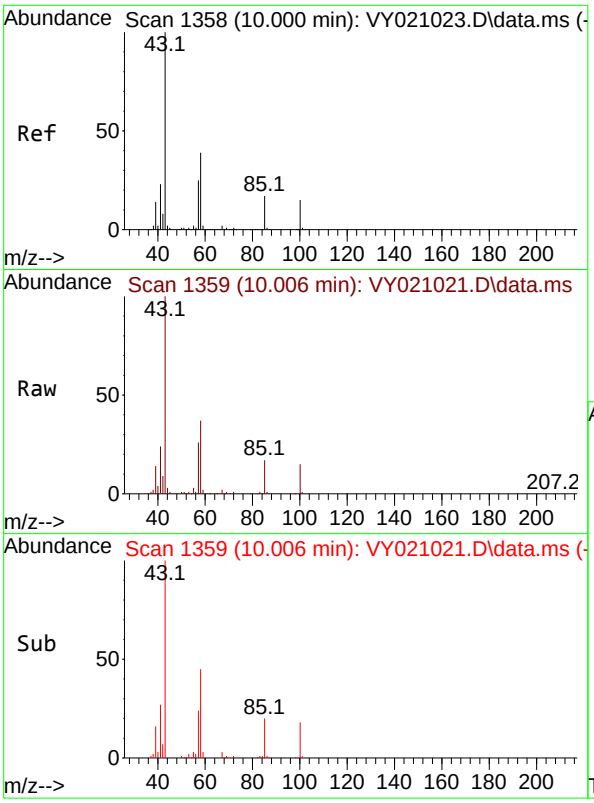


#50
Toluene-d8
Concen: 10.540 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 98 Resp: 70569

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.6	79.0

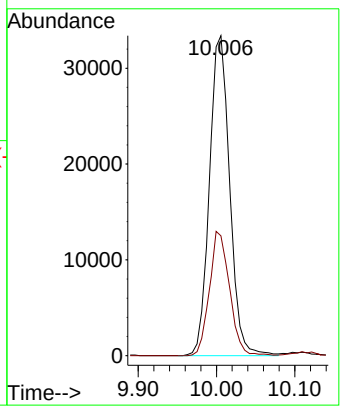




#51
4-Methyl-2-Pentanone
Concen: 64.159 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 6008

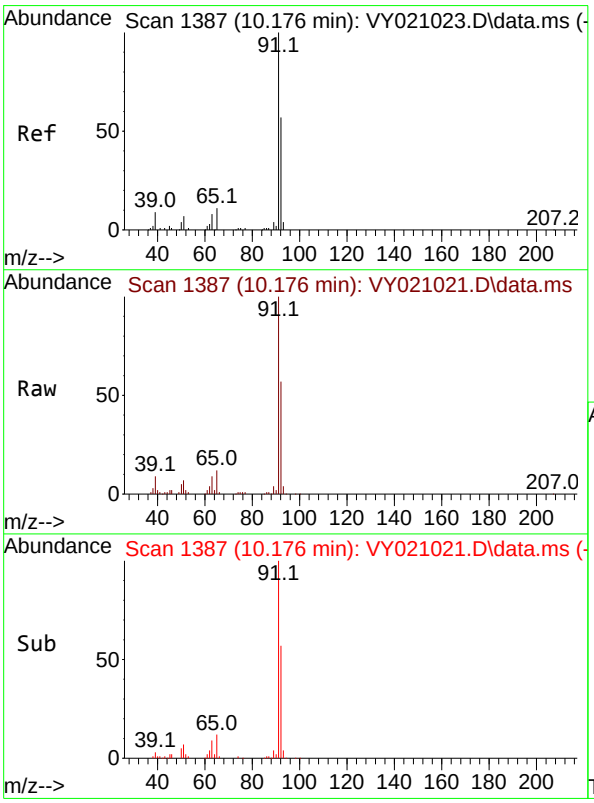
Ion	Ratio	Lower	Upper
43	100		
58	38.5	33.8	50.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

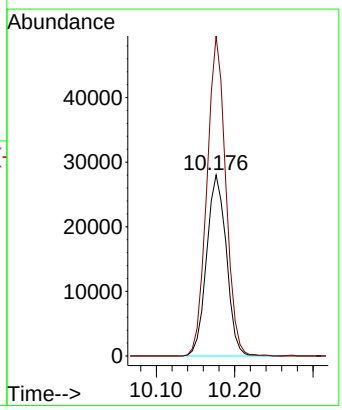
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

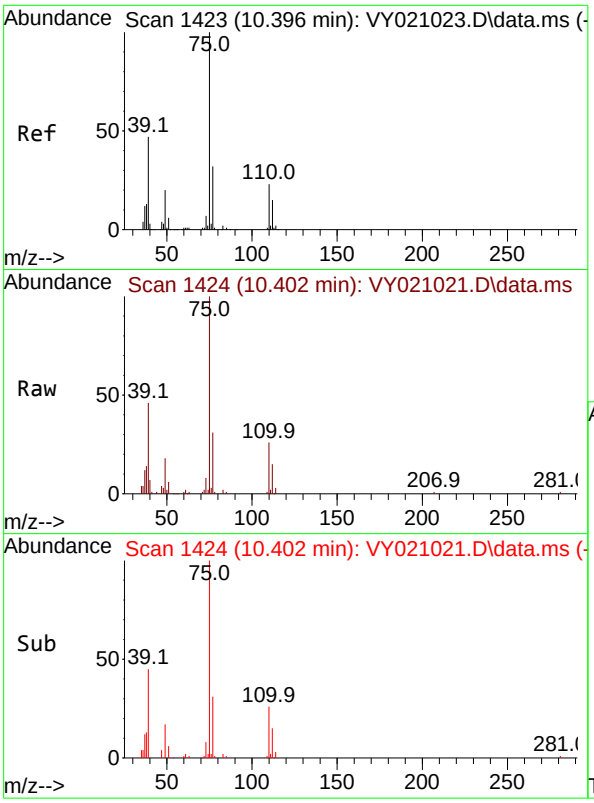


#52
Toluene
Concen: 10.457 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 92 Resp: 48876

Ion	Ratio	Lower	Upper
92	100		
91	168.9	135.8	203.8

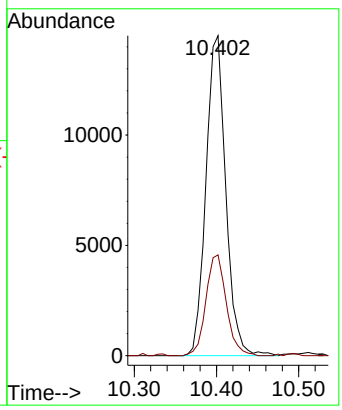




#53
t-1,3-Dichloropropene
Concen: 10.888 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 2430

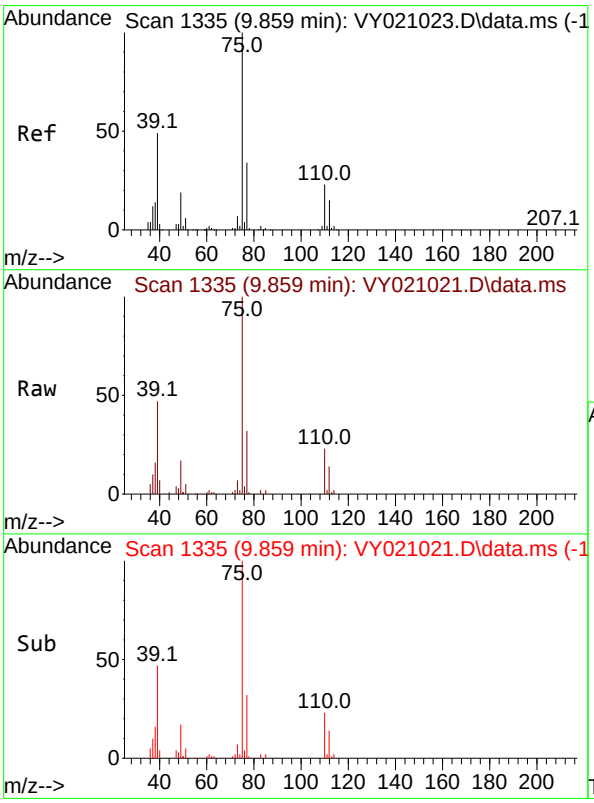
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

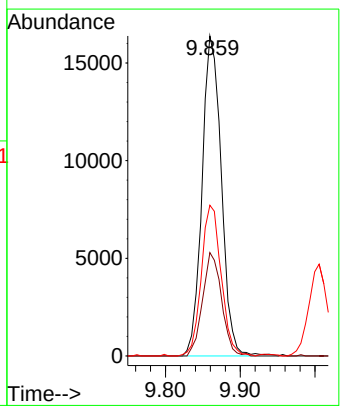
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

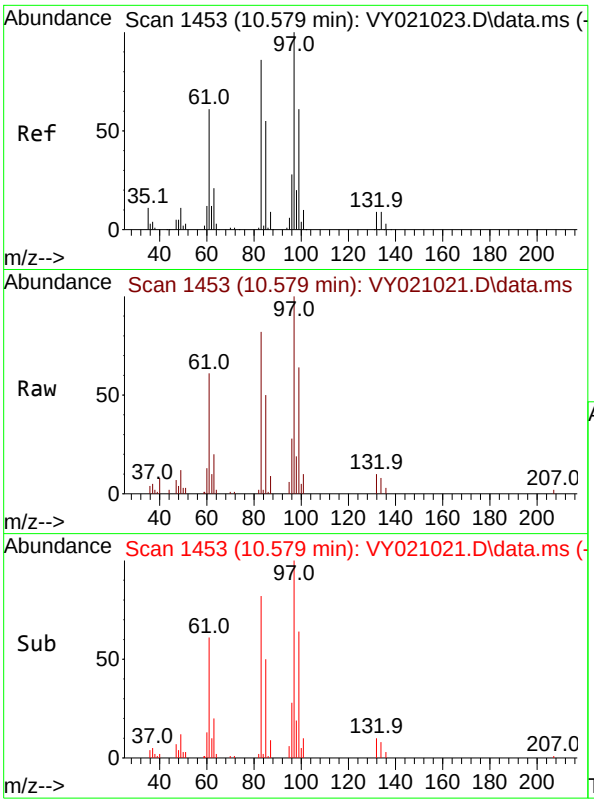


#54
cis-1,3-Dichloropropene
Concen: 11.031 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 29426

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0
39	47.1	32.2	48.2

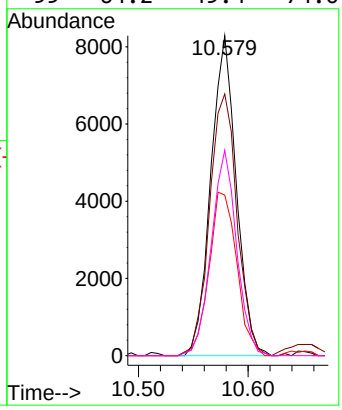




#55
1,1,2-Trichloroethane
Concen: 10.748 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 97 Resp: 1342

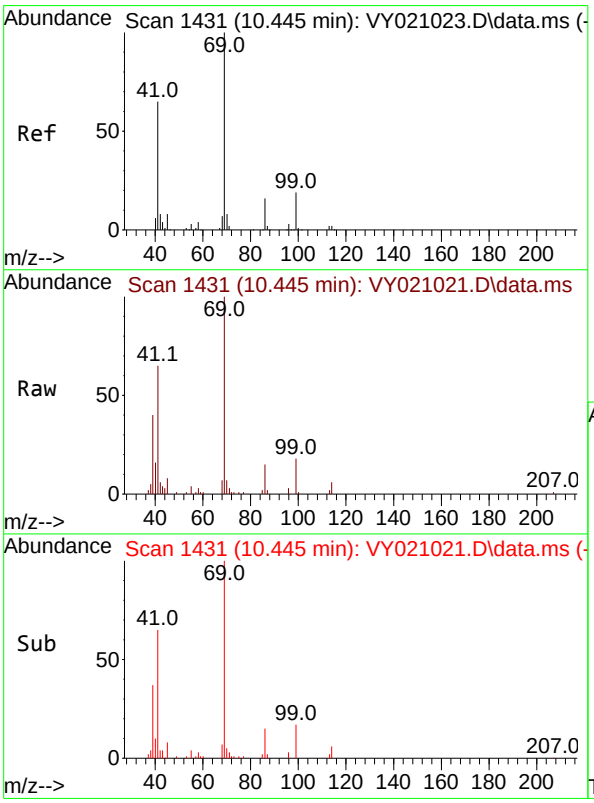
Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.7	101.5
85	50.2	43.4	65.2
99	64.2	49.4	74.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

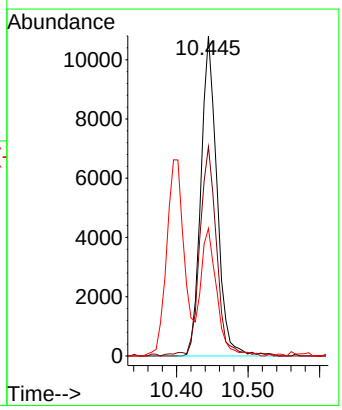
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

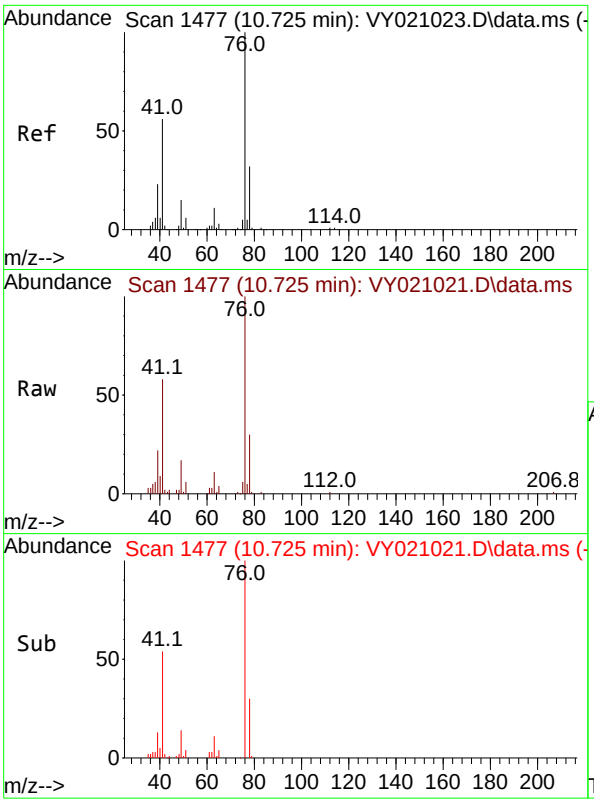


#56
Ethyl methacrylate
Concen: 10.341 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 69 Resp: 16883

Ion	Ratio	Lower	Upper
69	100		
41	68.3	46.3	69.5
39	38.7	24.5	36.7#

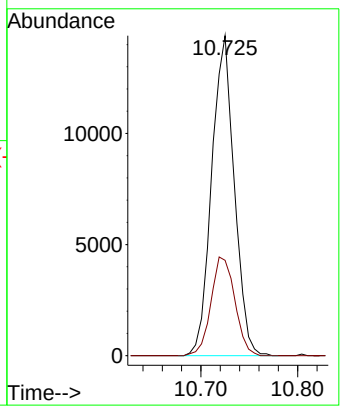




#57
1,3-Dichloropropane
Concen: 11.042 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 76 Resp: 2337

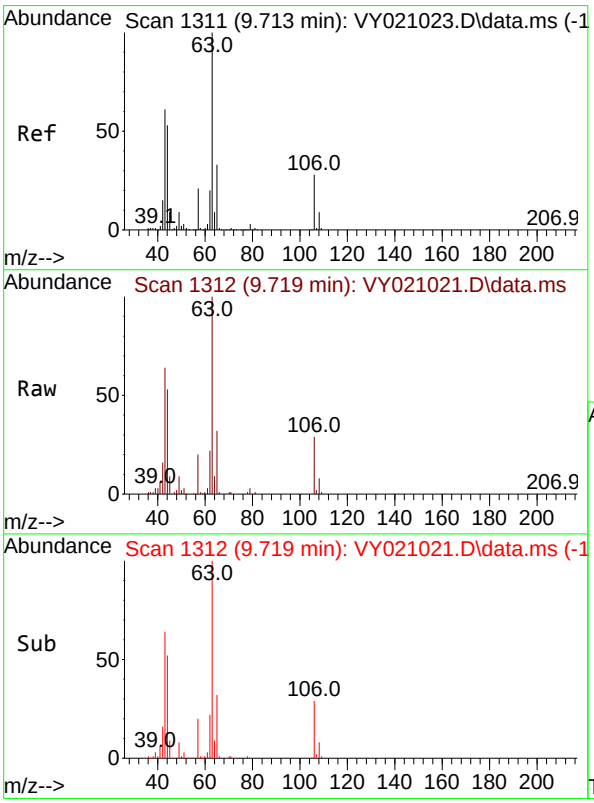
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

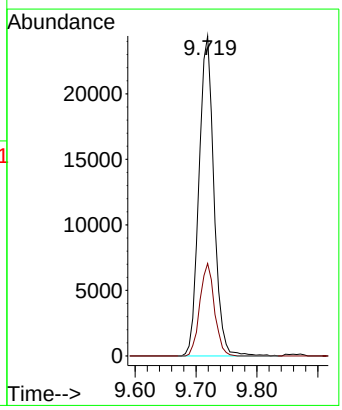
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

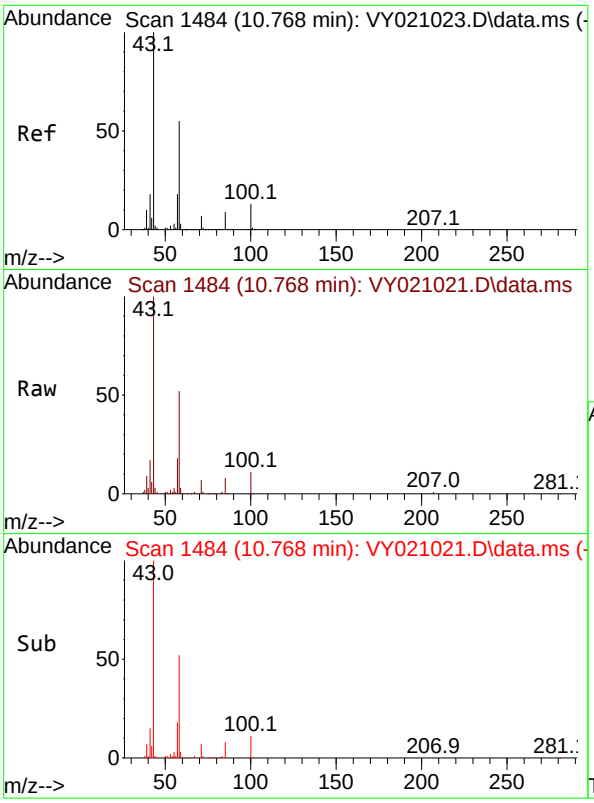


#58
2-Chloroethyl Vinyl ether
Concen: 60.048 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 63 Resp: 41611

Ion	Ratio	Lower	Upper
63	100		
106	28.2	24.7	37.1

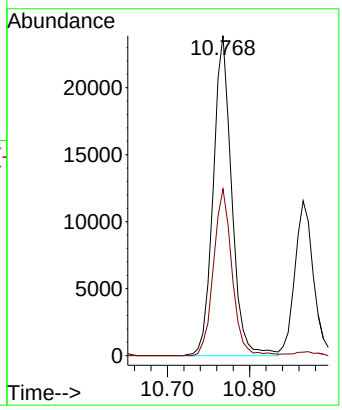




#59
2-Hexanone
Concen: 61.283 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 3730

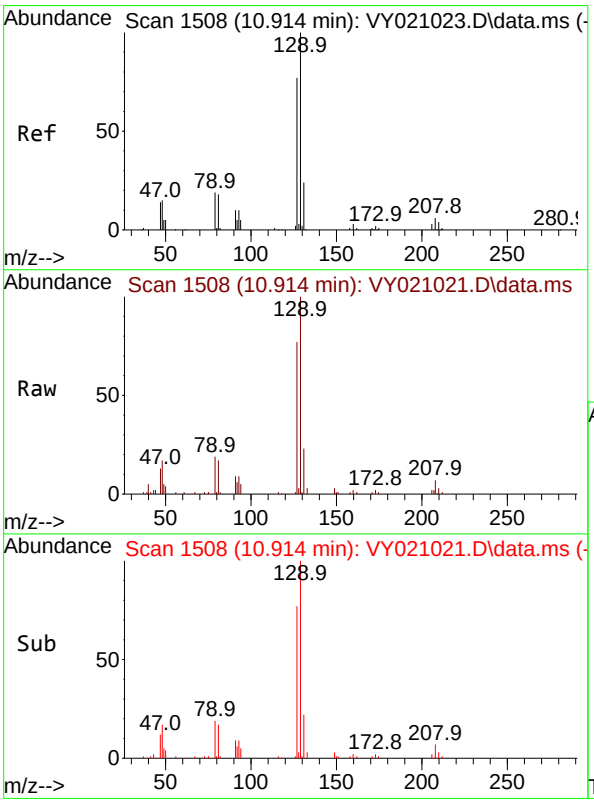
Ion	Ratio	Lower	Upper
43	100		
58	52.1	29.8	89.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

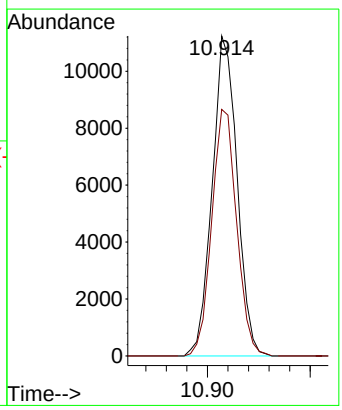
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

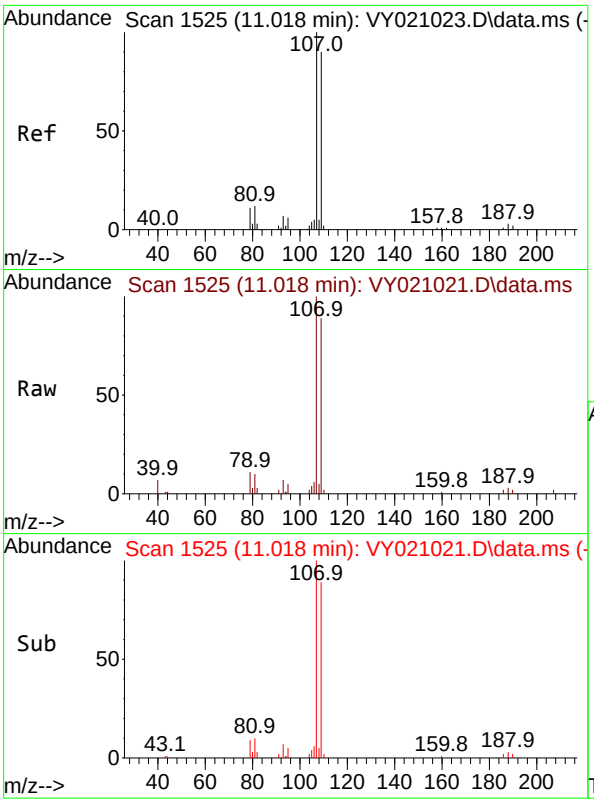


#60
Dibromochloromethane
Concen: 10.585 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:129 Resp: 18851

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.3

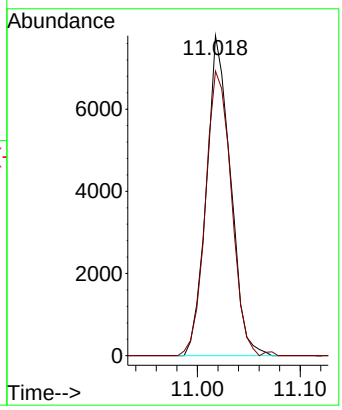




#61
1,2-Dibromoethane
Concen: 10.684 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:107 Resp: 1274

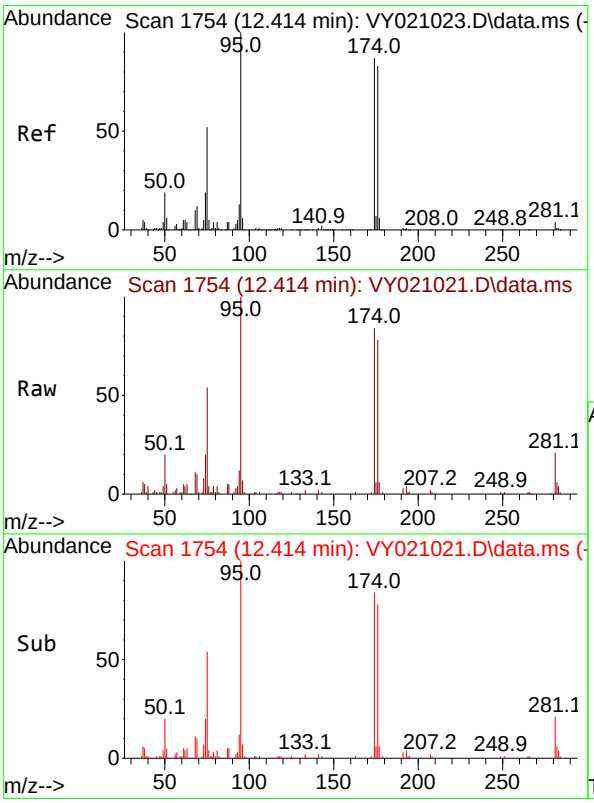
Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

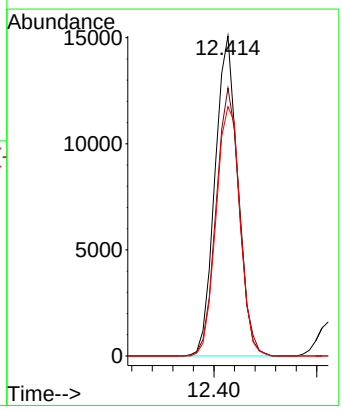
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

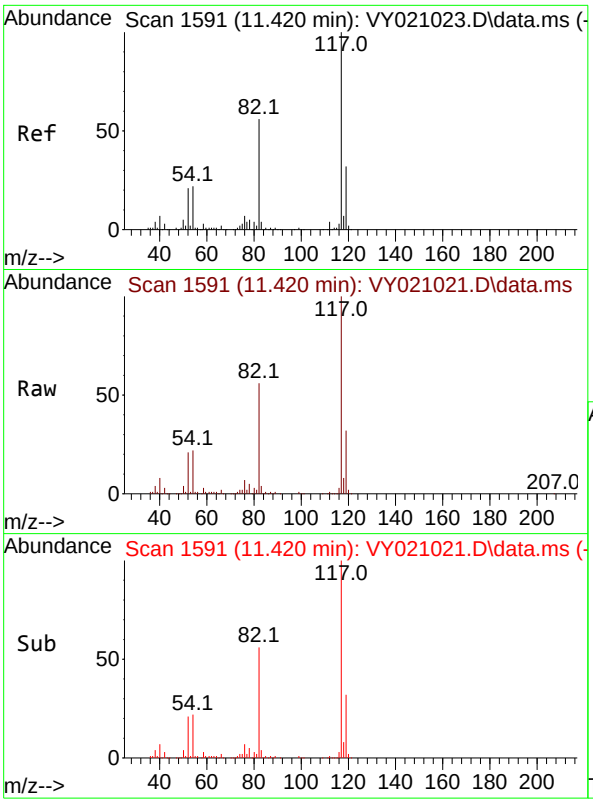


#62
4-Bromofluorobenzene
Concen: 10.362 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 95 Resp: 23279

Ion	Ratio	Lower	Upper
95	100		
174	85.2	0.0	181.2
176	82.2	0.0	175.2

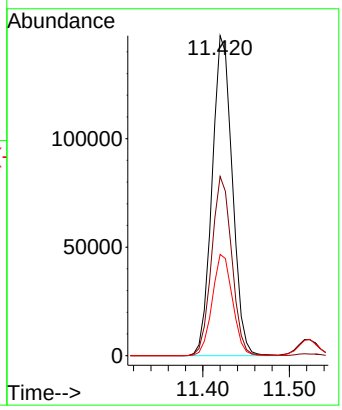




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:117 Resp: 23903

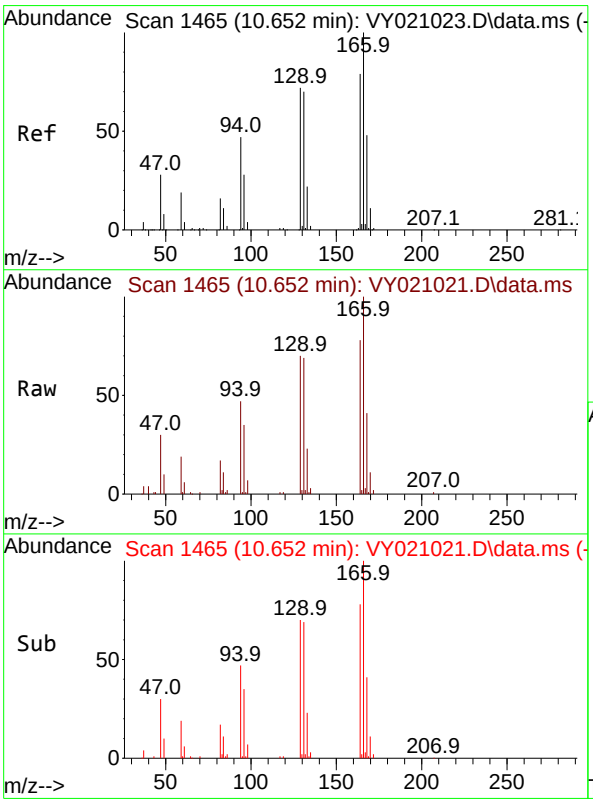
Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.2	66.2
119	31.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

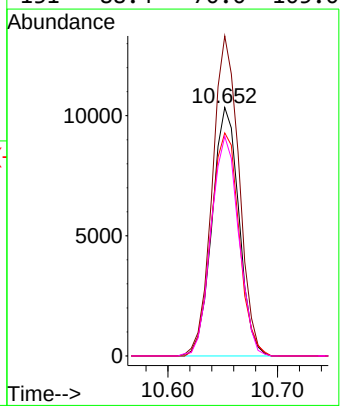
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

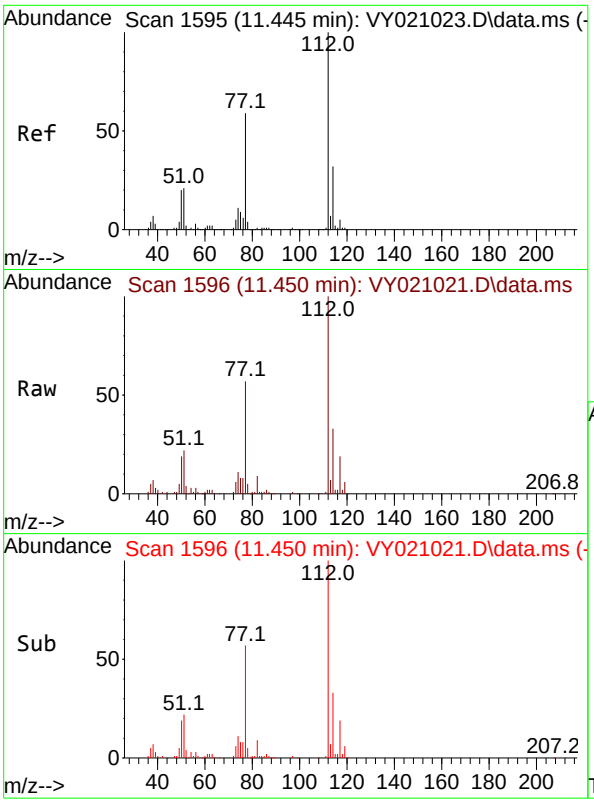


#64
Tetrachloroethene
Concen: 9.730 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:164 Resp: 17544

Ion	Ratio	Lower	Upper
164	100		
166	128.8	100.4	150.6
129	89.8	70.8	106.2
131	88.4	70.0	105.0

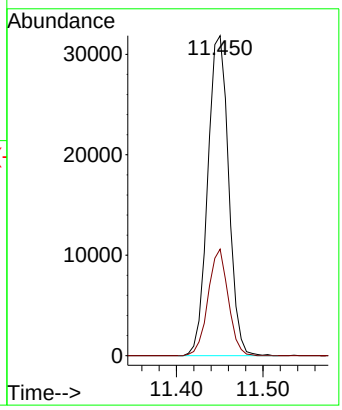




#65
Chlorobenzene
Concen: 10.583 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:112 Resp: 5329

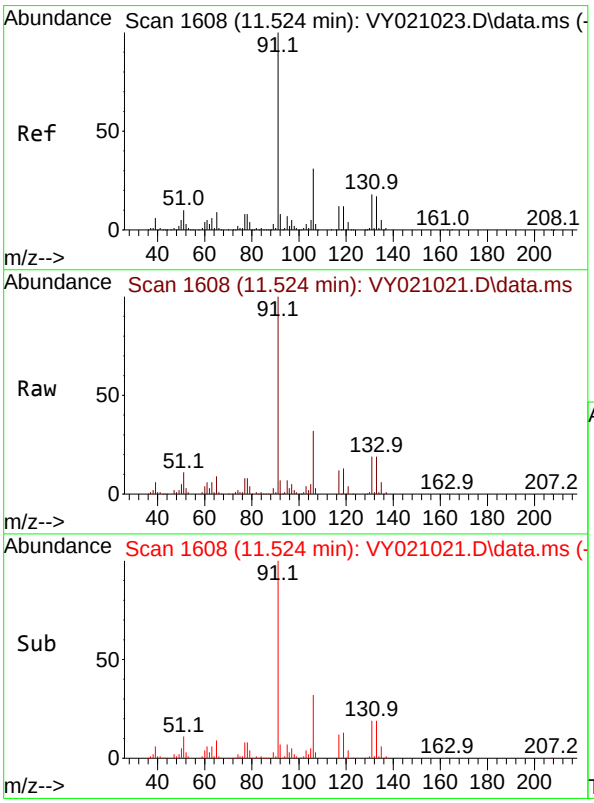
Ion	Ratio	Lower	Upper
112	100		
114	33.3	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

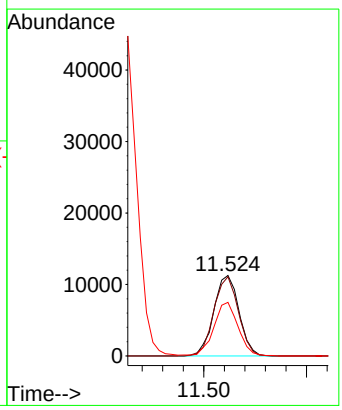
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

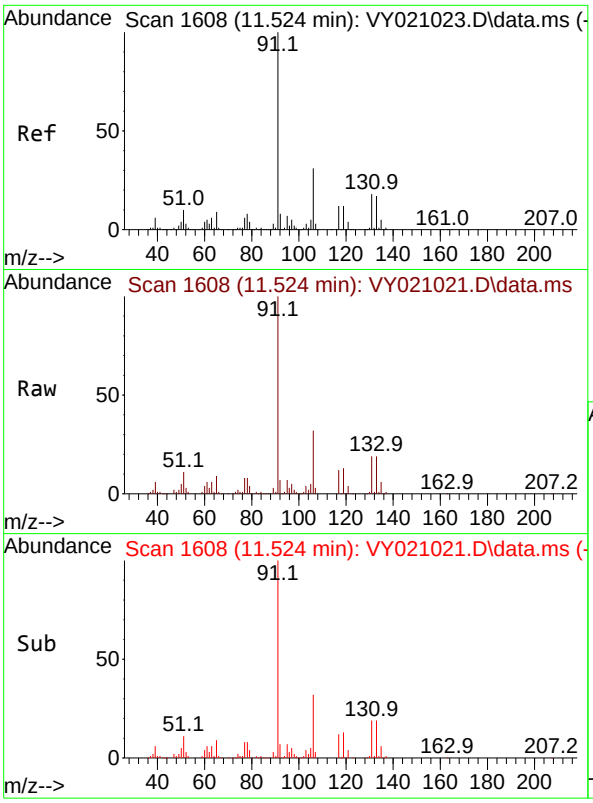


#66
1,1,1,2-Tetrachloroethane
Concen: 10.714 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:131 Resp: 19150

Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.7	146.1
119	64.1	31.4	94.3

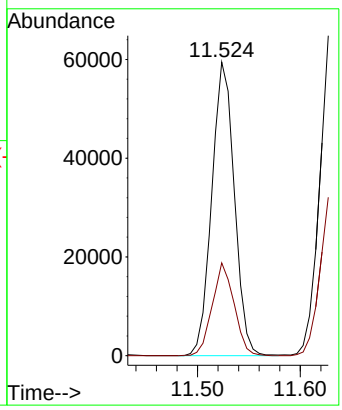




#67
Ethyl Benzene
Concen: 10.411 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 9078

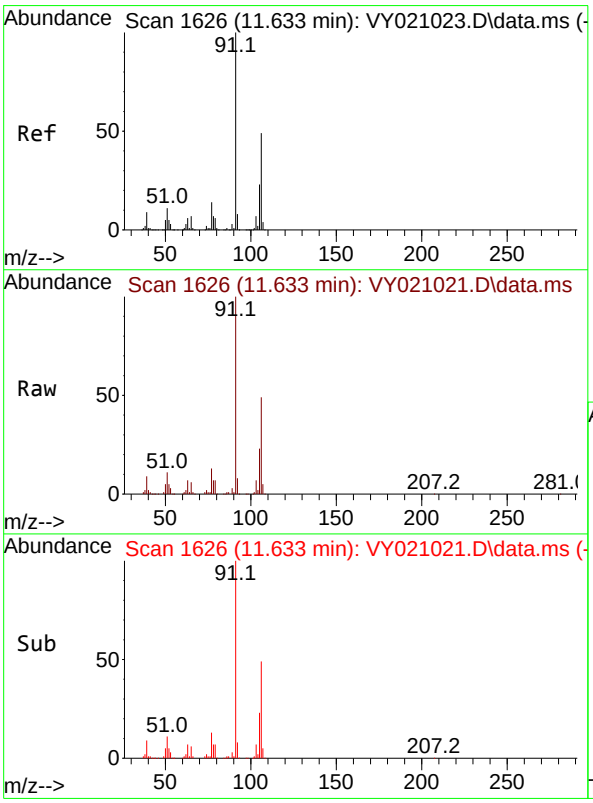
Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

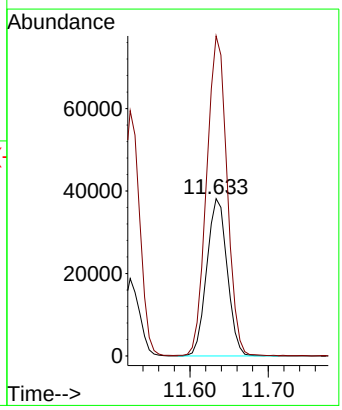
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

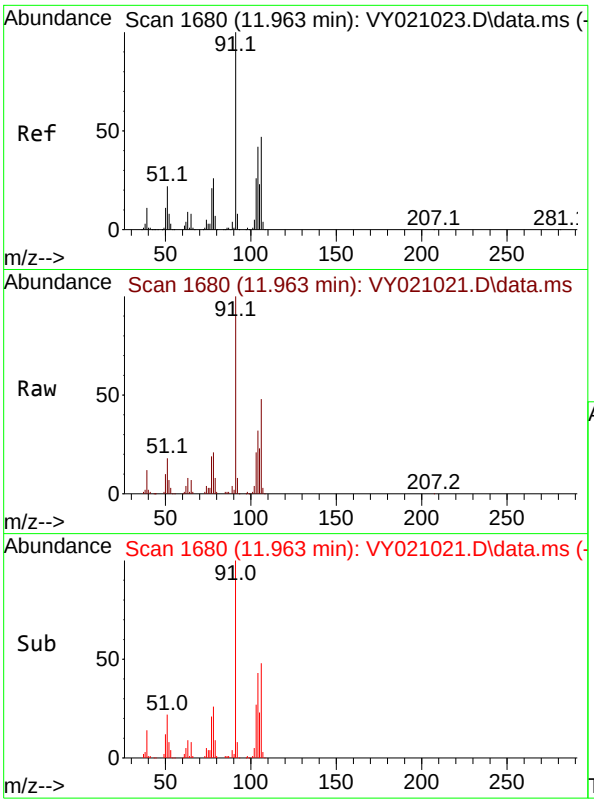


#68
m/p-Xylenes
Concen: 20.624 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:106 Resp: 69094

Ion	Ratio	Lower	Upper
106	100		
91	203.2	160.0	240.0

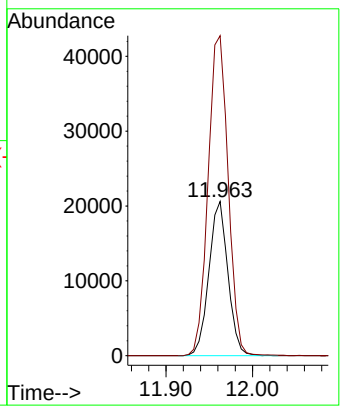




#69
o-Xylene
Concen: 10.106 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:106 Resp: 3147

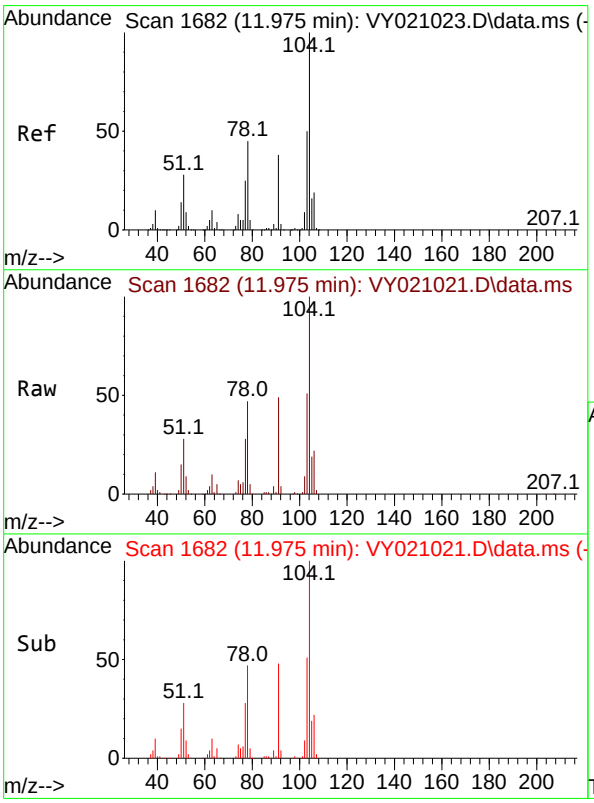
Ion	Ratio	Lower	Upper
106	100		
91	218.6	105.8	317.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

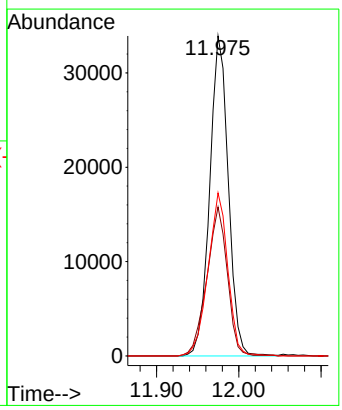
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

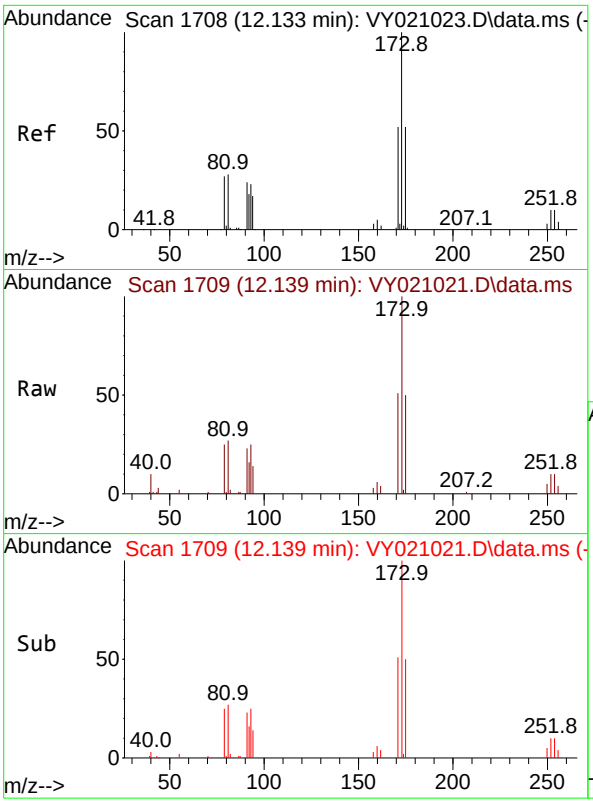


#70
Styrene
Concen: 10.334 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:104 Resp: 53436

Ion	Ratio	Lower	Upper
104	100		
78	51.0	39.0	58.4
103	54.3	43.7	65.5

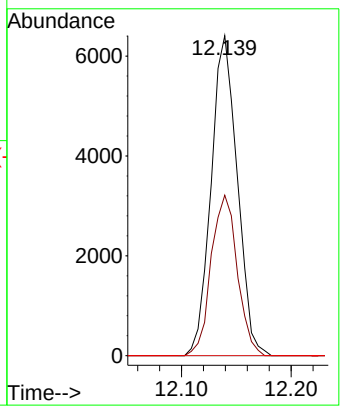




#71
Bromoform
Concen: 10.088 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:173 Resp: 1062

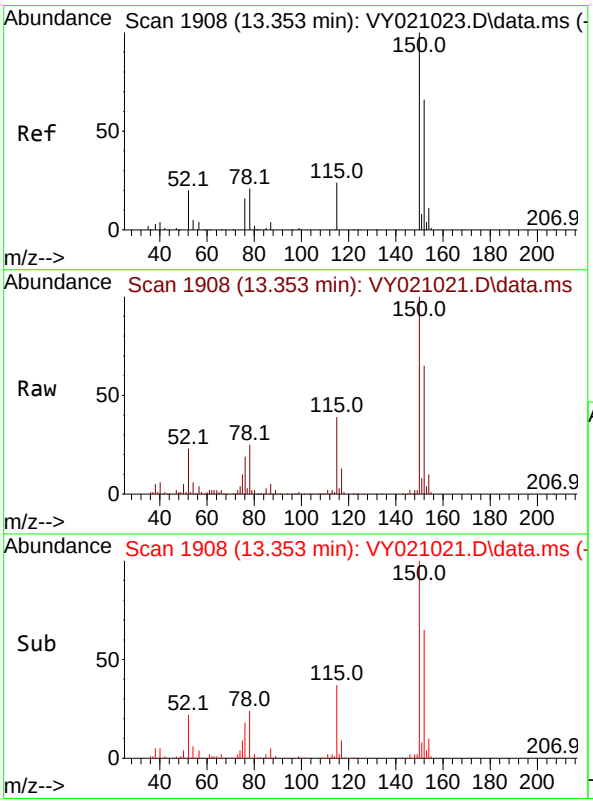
Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

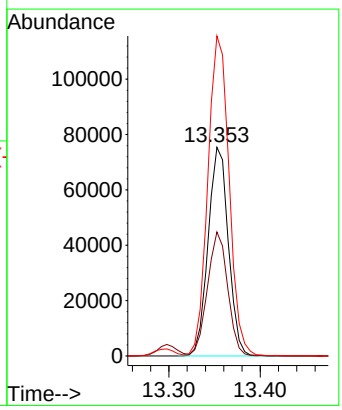
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

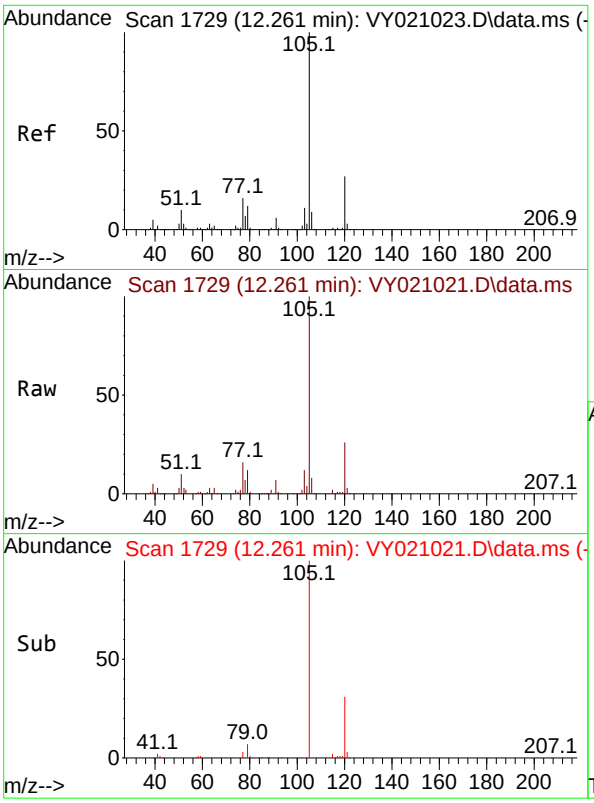


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:152 Resp: 115682

Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.4	85.2
150	161.1	0.0	342.8

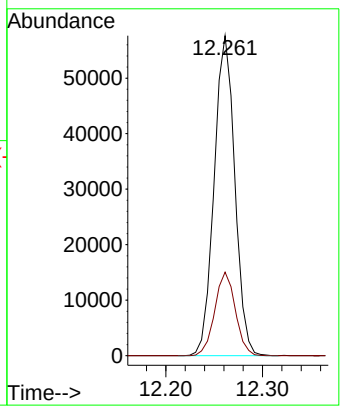




#73
Isopropylbenzene
Concen: 10.522 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 8549

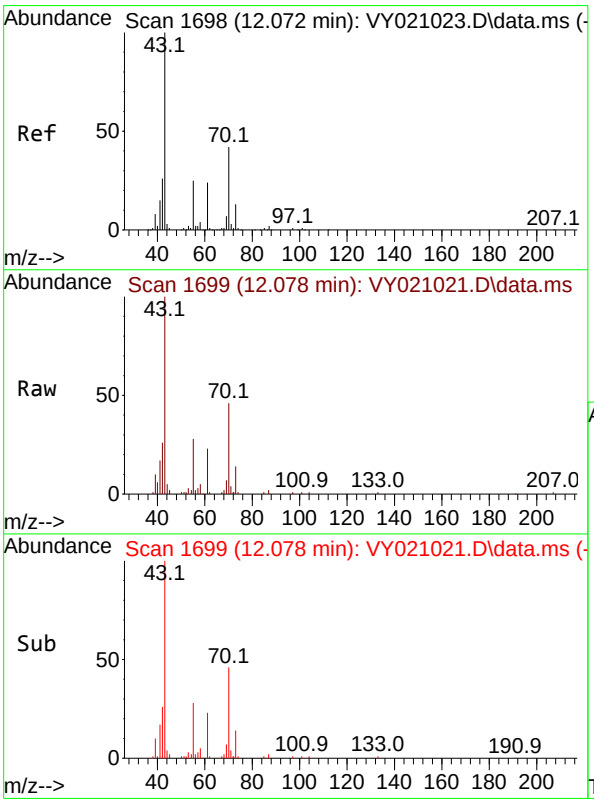
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

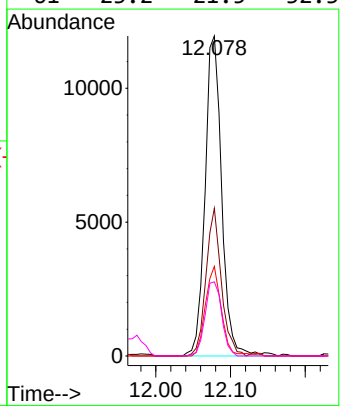
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

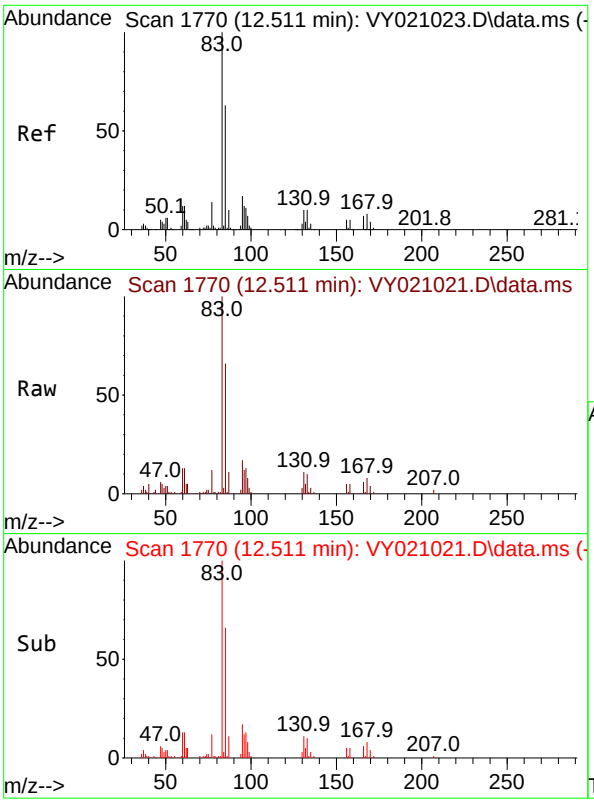


#74
N-amyl acetate
Concen: 12.524 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 18529

Ion	Ratio	Lower	Upper
43	100		
70	42.6	39.3	58.9
55	27.0	22.3	33.5
61	23.2	21.5	32.3

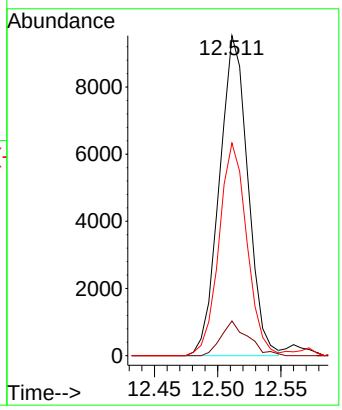




#75
1,1,2,2-Tetrachloroethane
Concen: 11.393 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 83 Resp: 1494

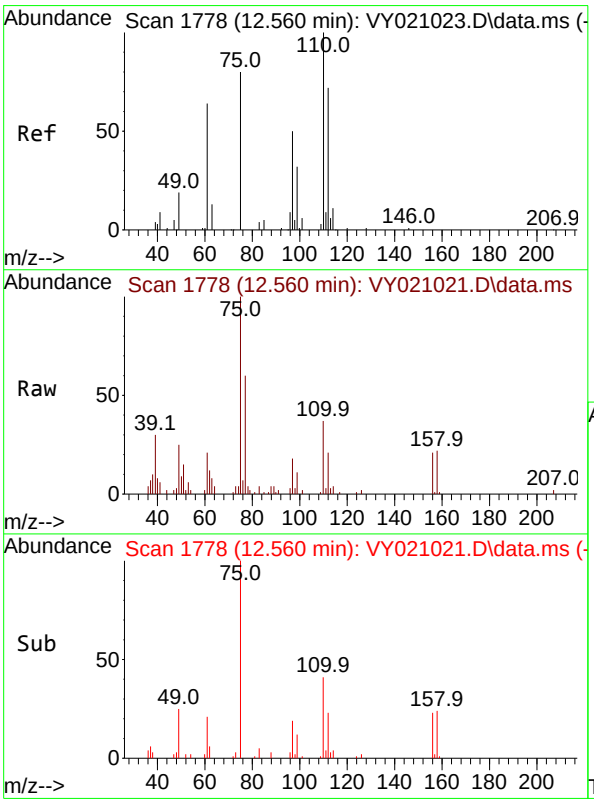
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.7	17.1
85	65.5	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

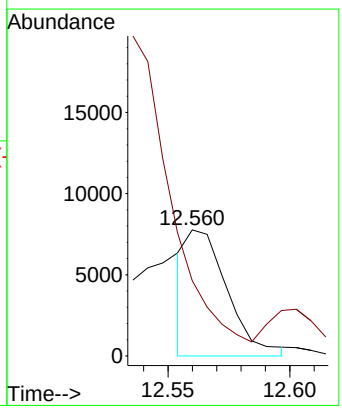
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

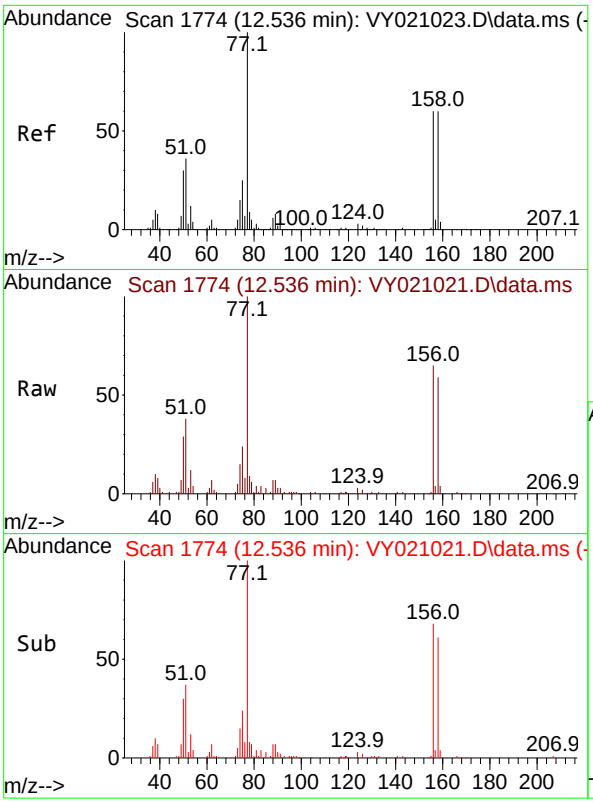


#76
1,2,3-Trichloropropane
Concen: 9.926 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 9090

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

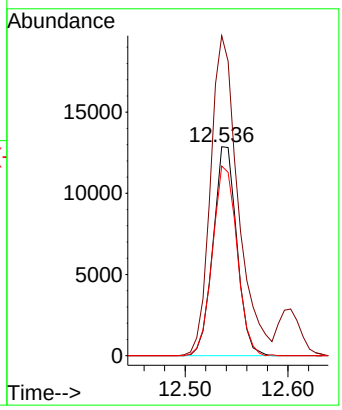




#77
Bromobenzene
Concen: 10.712 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:156 Resp: 2063

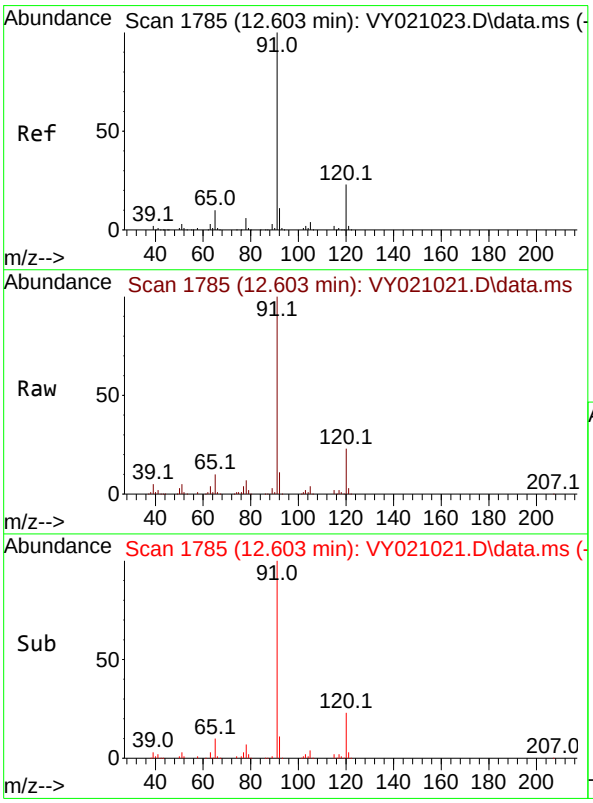
Ion	Ratio	Lower	Upper
156	100		
77	177.9	83.3	249.9
158	94.0	48.3	144.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

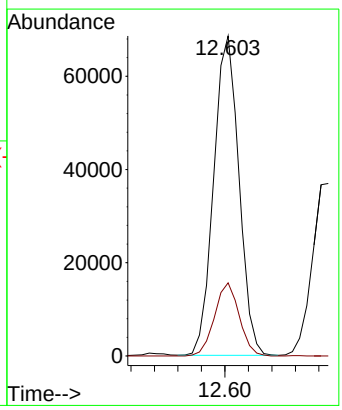
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

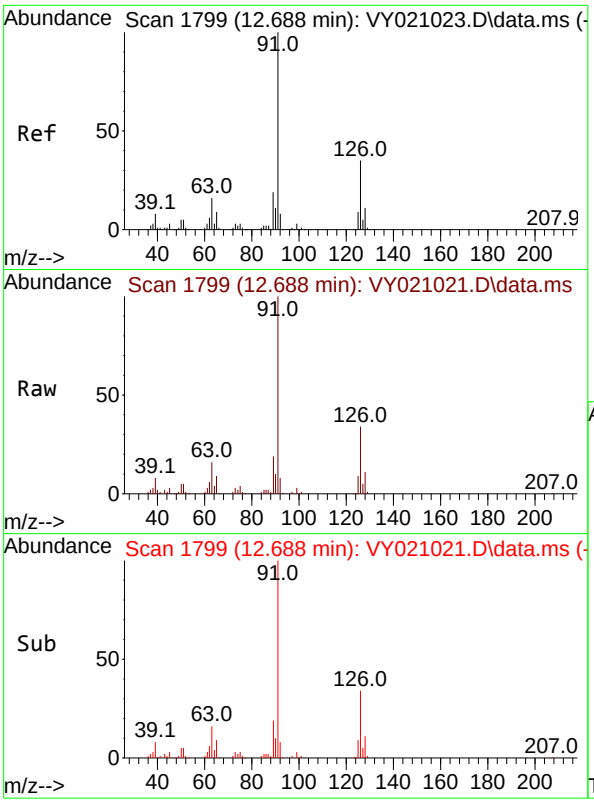


#78
n-propylbenzene
Concen: 10.738 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 102250

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.8	35.4

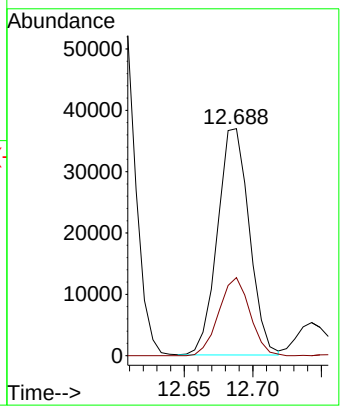




#79
2-Chlorotoluene
Concen: 10.991 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 5963

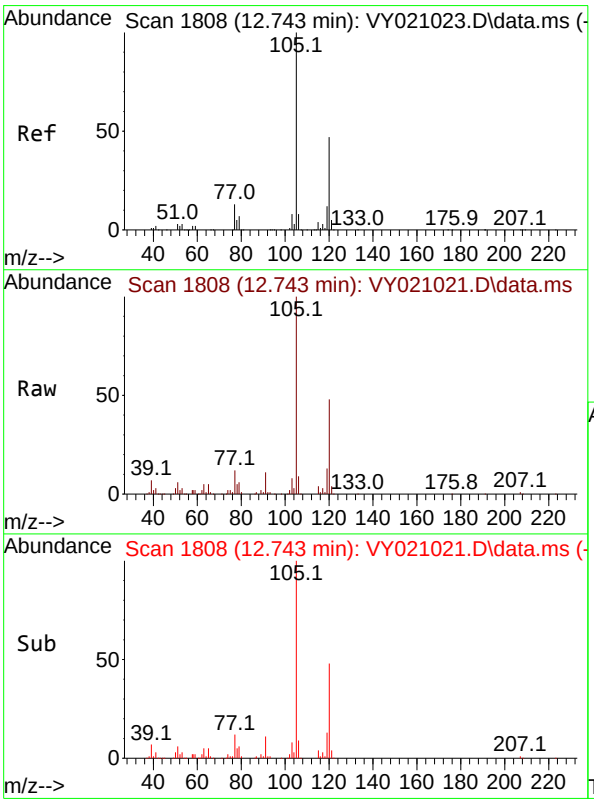
Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.3	51.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

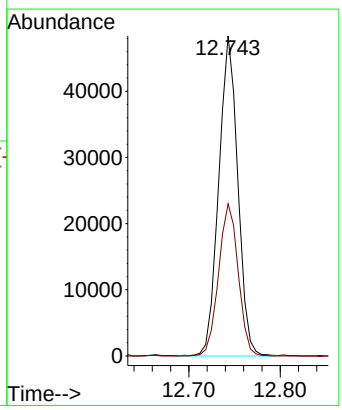
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

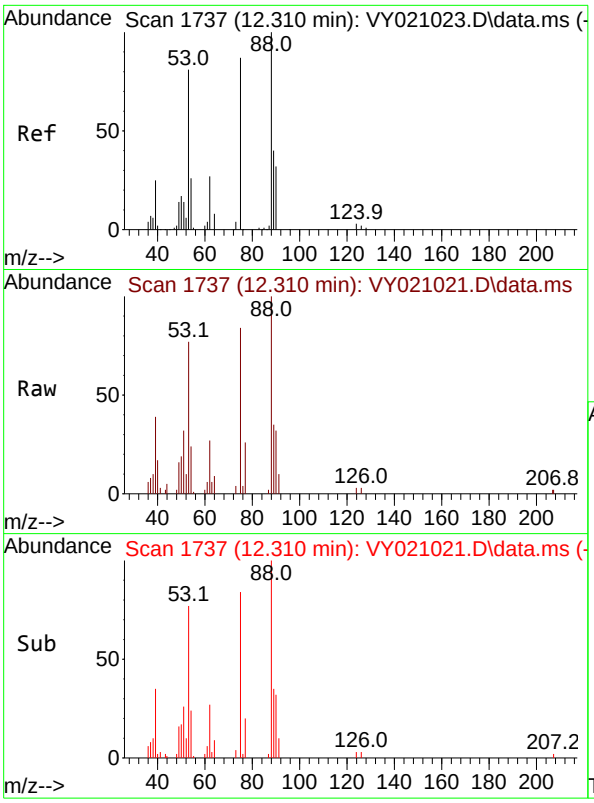


#80
1,3,5-Trimethylbenzene
Concen: 10.541 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 70161

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 11.842 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

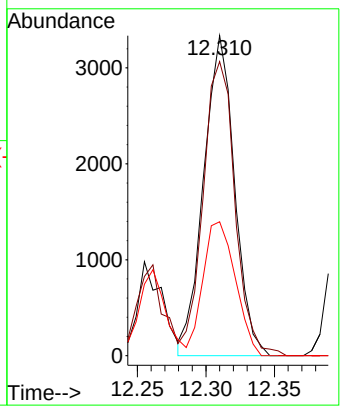
Tgt Ion: 75 Resp: 522

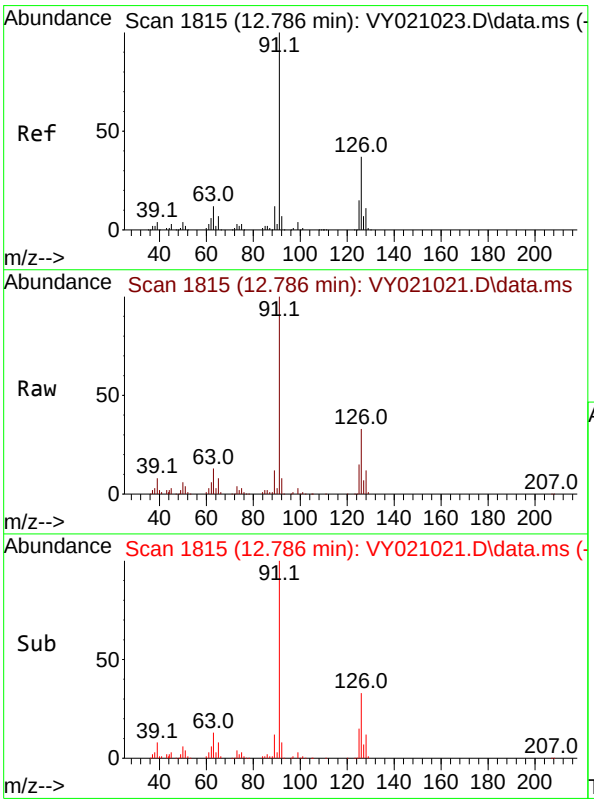
Ion	Ratio	Lower	Upper
75	100		
53	94.9	68.6	103.0
89	43.8	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

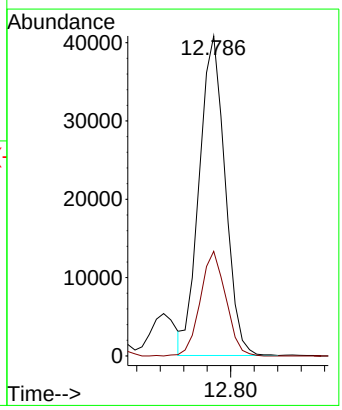


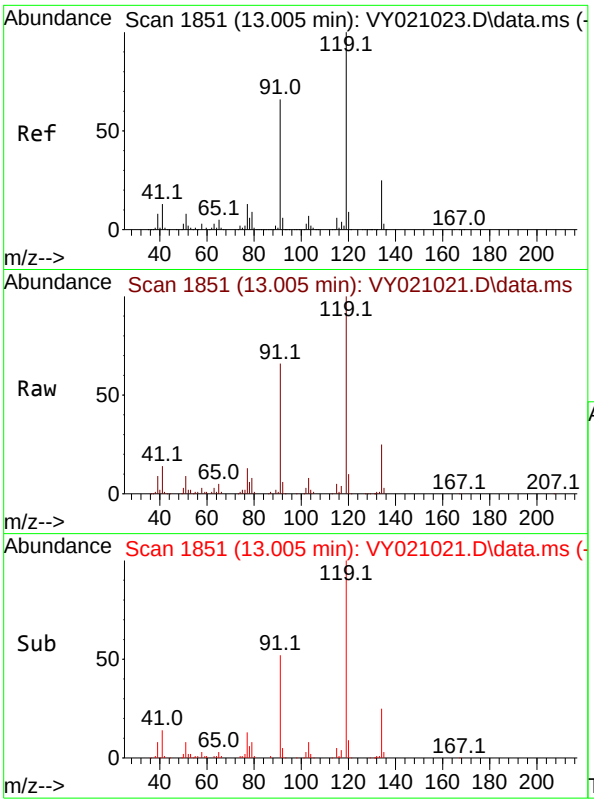


#82
4-Chlorotoluene
Concen: 11.217 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 62279

Ion	Ratio	Lower	Upper
91	100		
126	32.3	17.3	52.0

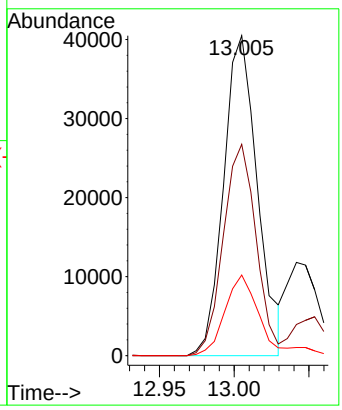




#83
tert-Butylbenzene
Concen: 10.287 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:119 Resp: 6350

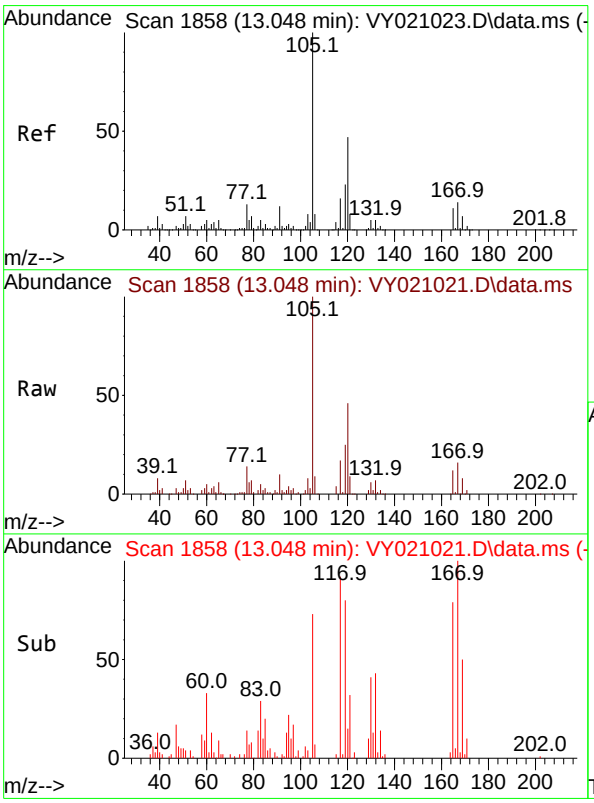
Ion	Ratio	Lower	Upper
119	100		
91	64.2	31.4	94.0
134	26.7	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

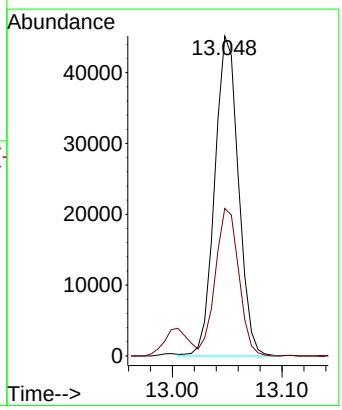
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

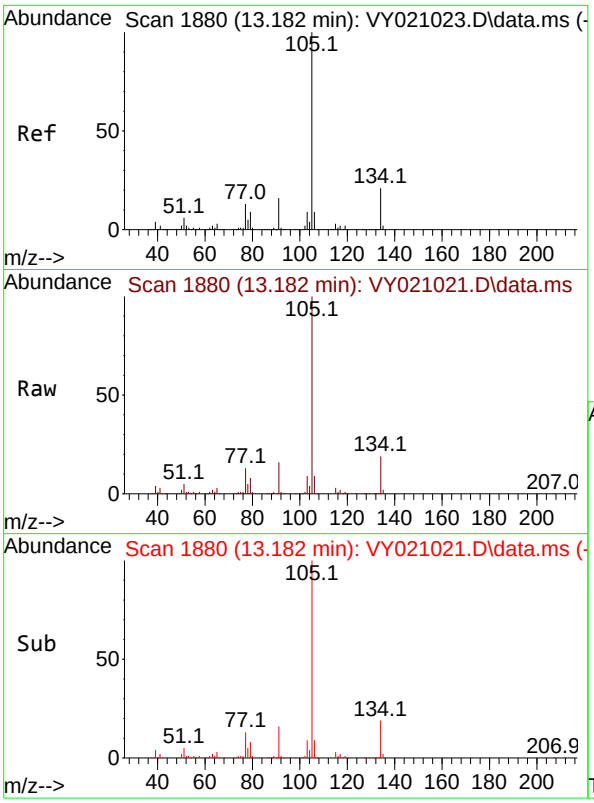


#84
1,2,4-Trimethylbenzene
Concen: 10.444 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 67906

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.0

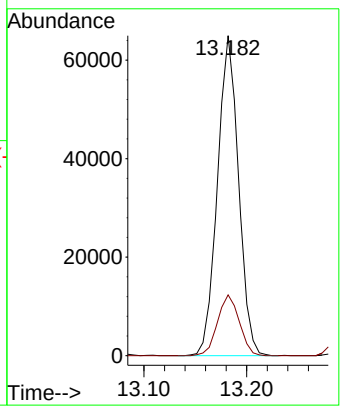




#85
sec-Butylbenzene
Concen: 10.596 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 9261

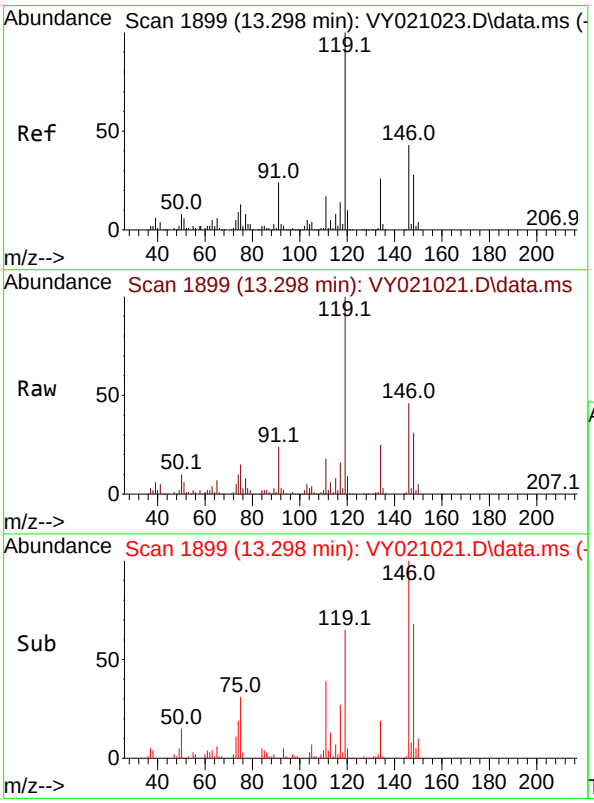
Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.3	30.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

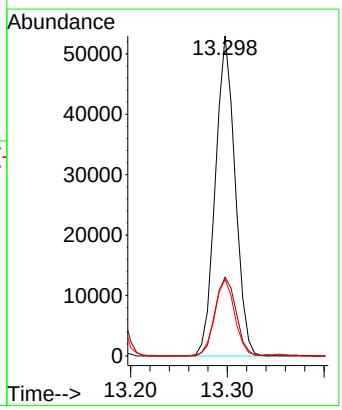
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

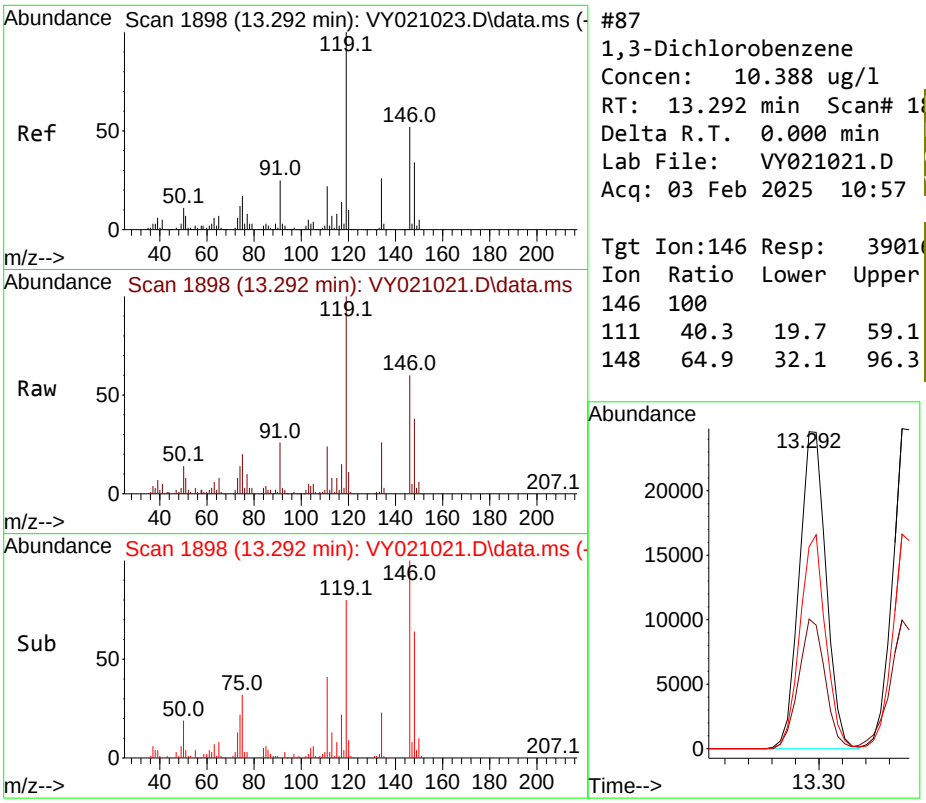


#86
p-Isopropyltoluene
Concen: 10.196 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:119 Resp: 74892

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.3
91	24.4	11.5	34.5





#87
1,3-Dichlorobenzene
Concen: 10.388 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

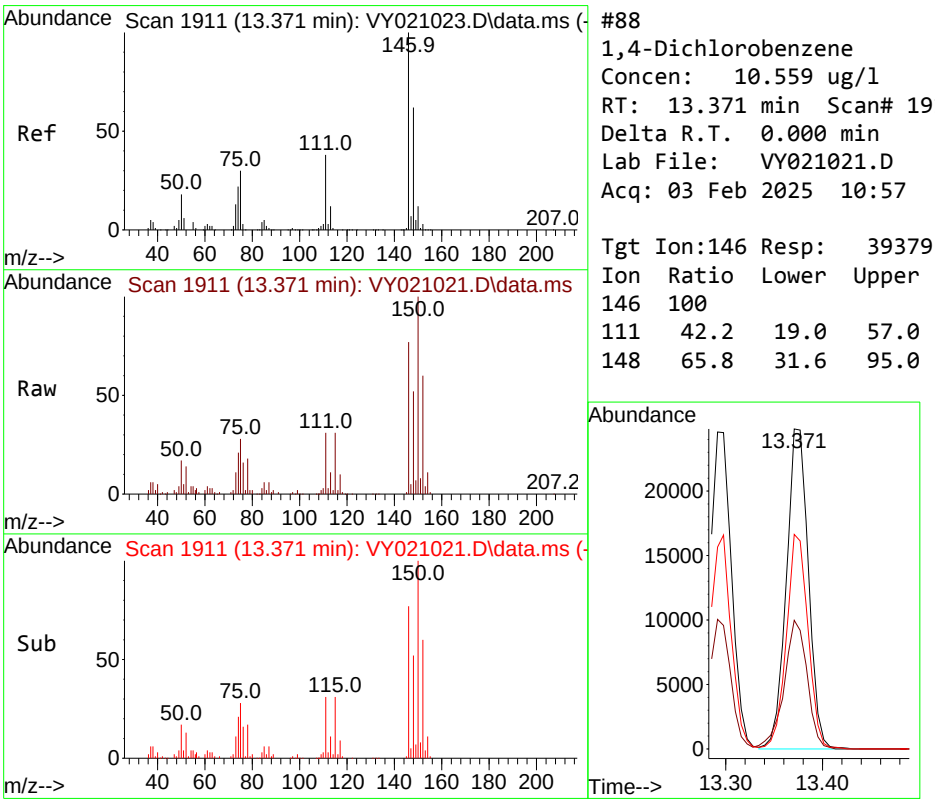
Tgt Ion:146 Resp: 3901

Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.1
148	64.9	32.1	96.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

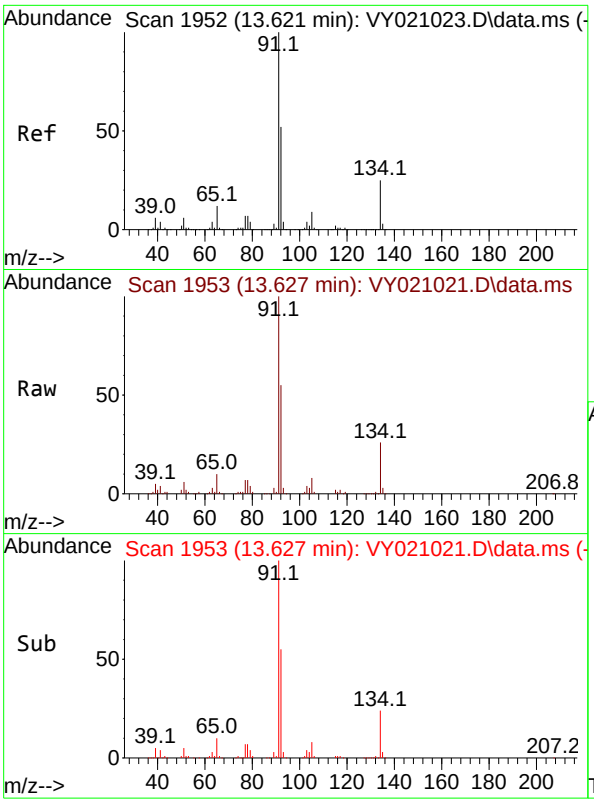
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#88
1,4-Dichlorobenzene
Concen: 10.559 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:146 Resp: 39379

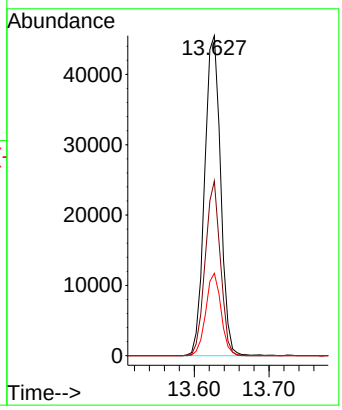
Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.0	57.0
148	65.8	31.6	95.0



#89
n-Butylbenzene
Concen: 10.280 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 6763

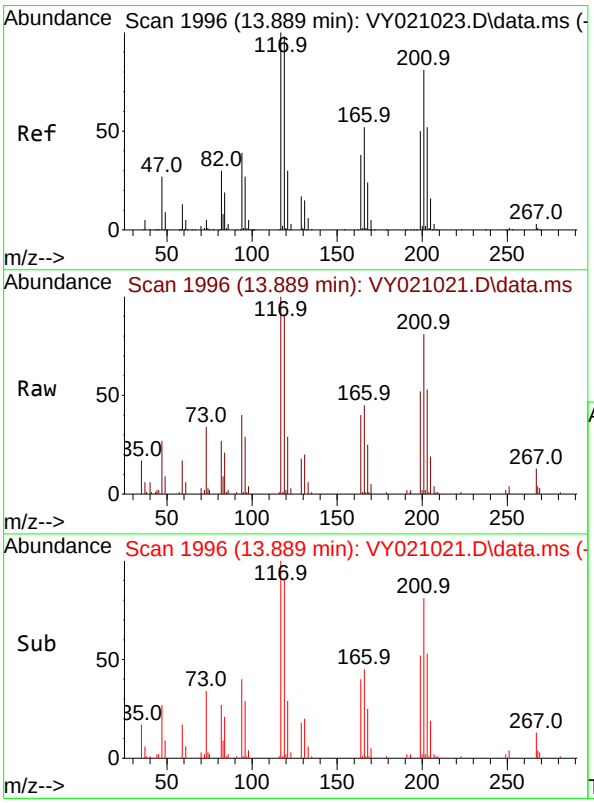
Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.7	80.1
134	24.6	13.7	41.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

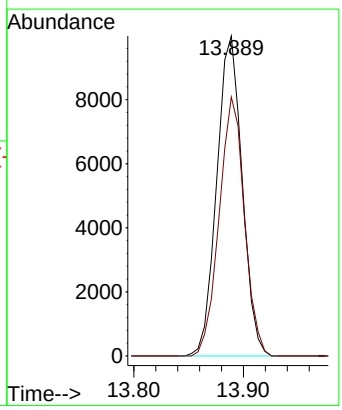
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

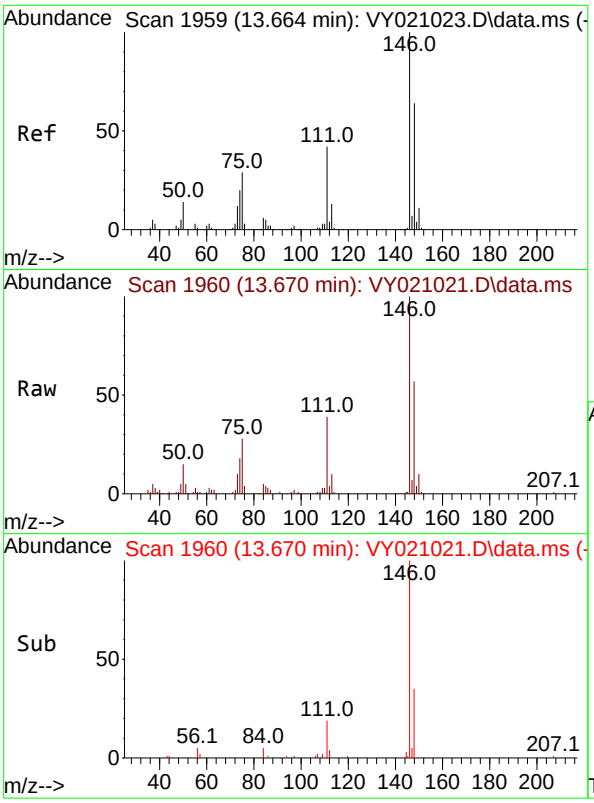


#90
Hexachloroethane
Concen: 10.788 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:117 Resp: 16030

Ion	Ratio	Lower	Upper
117	100		
201	80.4	42.5	127.5

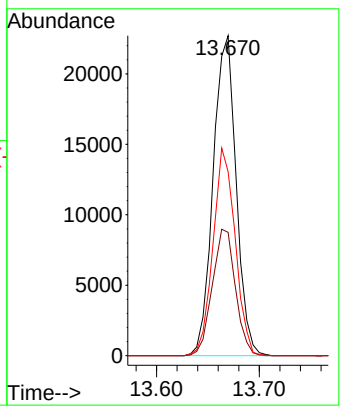




#91
1,2-Dichlorobenzene
Concen: 10.763 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:146 Resp: 3525

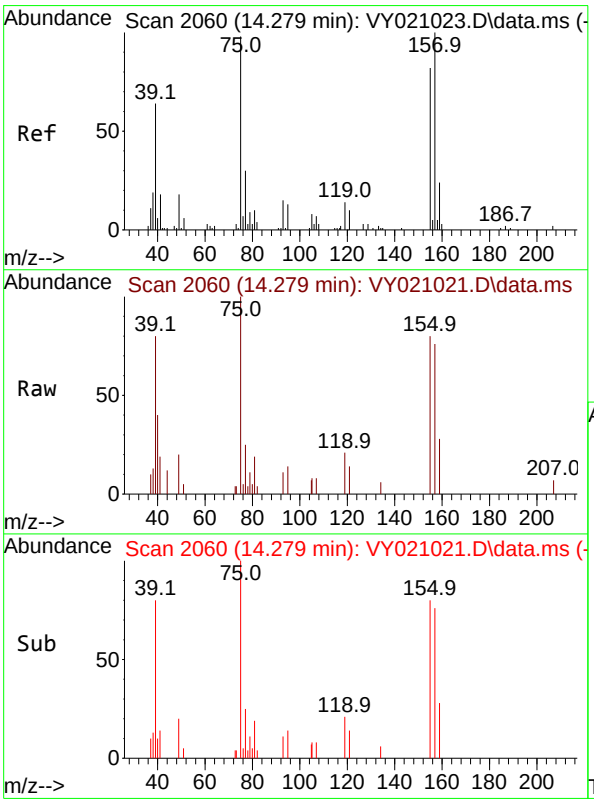
Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.8
148	62.4	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

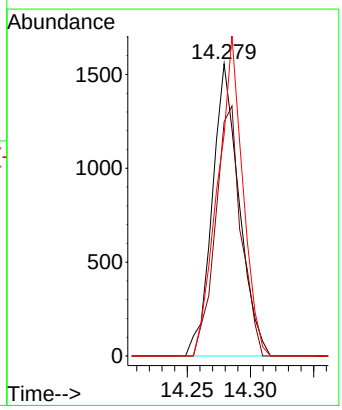
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

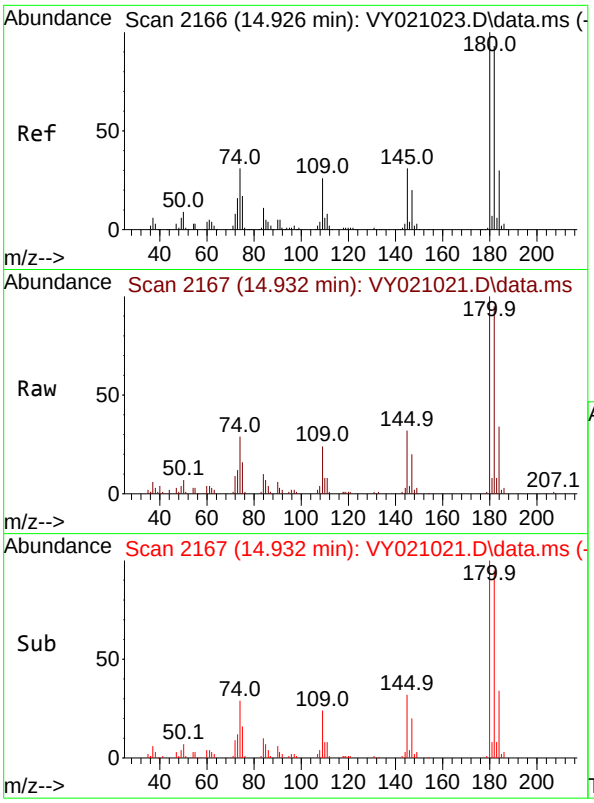


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.372 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 2296

Ion	Ratio	Lower	Upper
75	100		
155	82.0	45.9	137.6
157	102.7	59.3	177.9

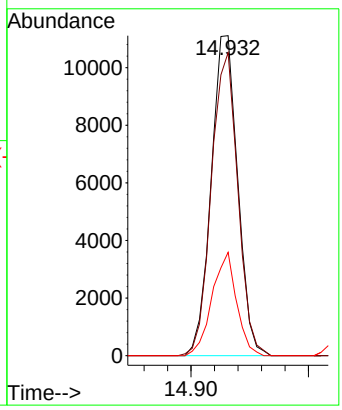




#93
1,2,4-Trichlorobenzene
Concen: 8.702 ug/l
RT: 14.932 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:180 Resp: 1745

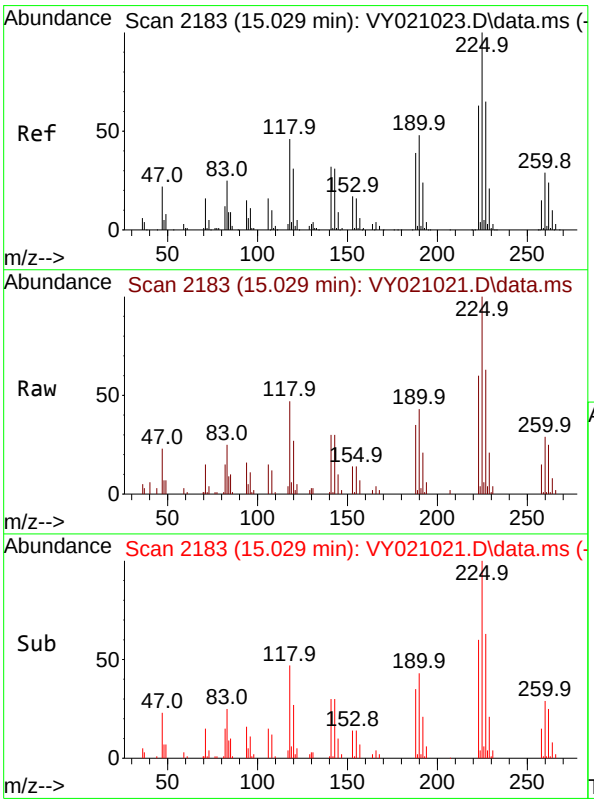
Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.3	144.8
145	29.9	15.3	45.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

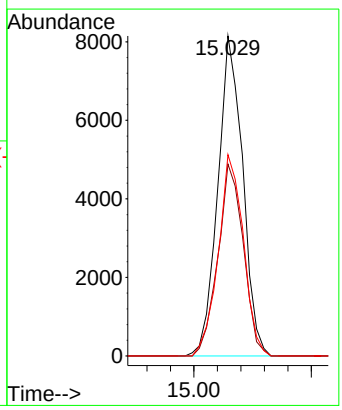
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

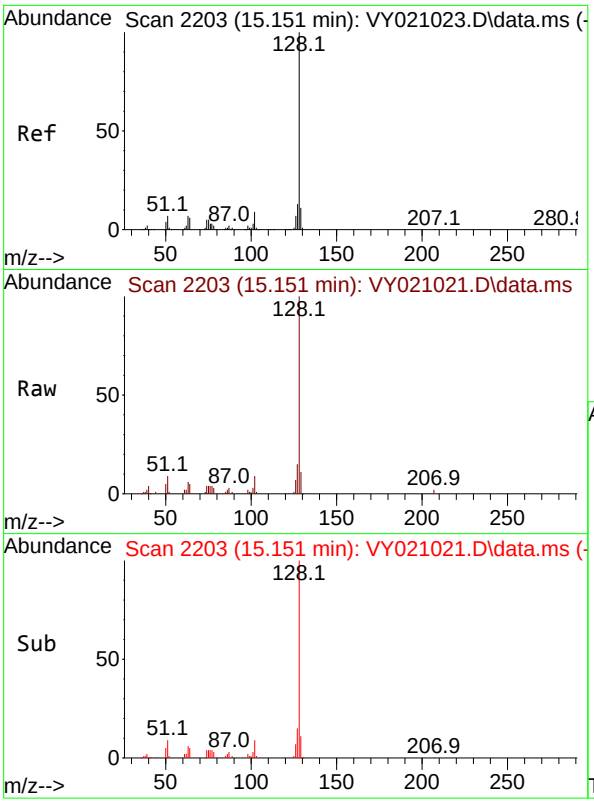


#94
Hexachlorobutadiene
Concen: 8.631 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:225 Resp: 11988

Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.2
227	63.5	31.8	95.3

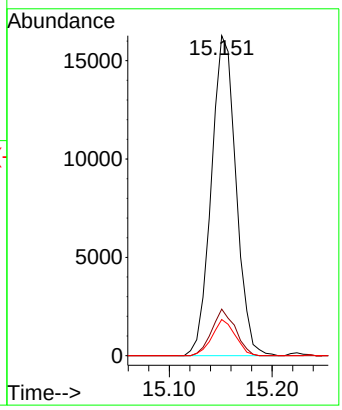




#95
Naphthalene
Concen: 8.409 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:128 Resp: 2710

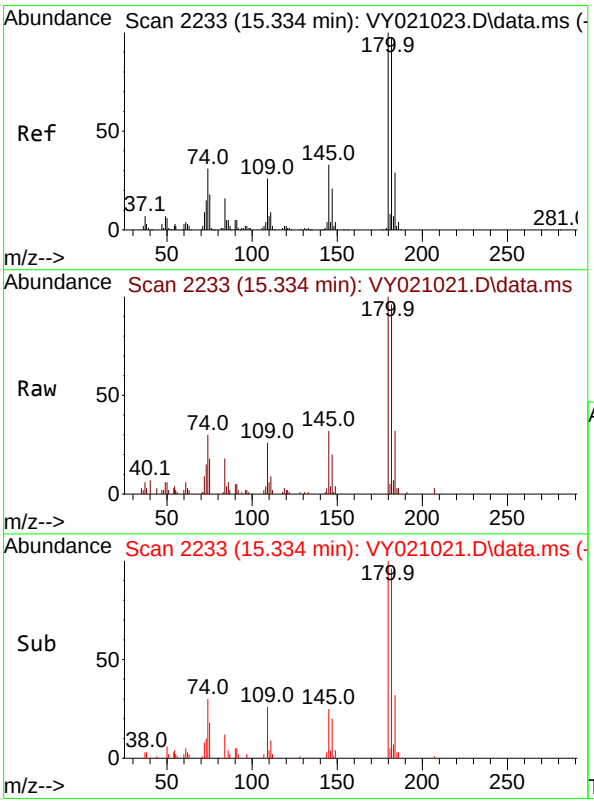
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.4
129	10.6	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

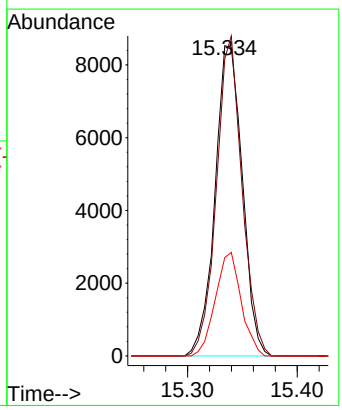
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 8.729 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:180 Resp: 14804

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.7	143.1
145	31.4	15.6	46.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
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 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	183569	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	284501	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	244590	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	116948	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	35087	22.450	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	44.900%#			
35) Dibromofluoromethane	7.640	113	34279	20.042	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.080%#			
50) Toluene-d8	10.109	98	129662	19.423	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.840%#			
62) 4-Bromofluorobenzene	12.414	95	42182	18.831	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	37.660%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	30336	19.435	ug/l		99
3) Chloromethane	2.074	50	29923	30.154	ug/l		98
4) Vinyl Chloride	2.208	62	29658	28.986	ug/l		99
5) Bromomethane	2.598	94	18302	26.423	ug/l		90
6) Chloroethane	2.739	64	17634	29.503	ug/l		97
7) Trichlorofluoromethane	3.068	101	55451	22.457	ug/l		98
8) Diethyl Ether	3.458	74	18232	24.733	ug/l		90
9) 1,1,2-Trichlorotrifluo...	3.830	101	34675	20.855	ug/l		95
10) Methyl Iodide	4.013	142	38697	20.338	ug/l		99
11) Tert butyl alcohol	4.878	59	12889	112.894	ug/l	#	90
12) 1,1-Dichloroethene	3.793	96	32389	20.845	ug/l		90
13) Acrolein	3.659	56	20427	155.371	ug/l		100
14) Allyl chloride	4.391	41	55315	25.859	ug/l		92
15) Acrylonitrile	5.067	53	38612	127.343	ug/l		97
16) Acetone	3.873	43	28518	133.874	ug/l		95
17) Carbon Disulfide	4.116	76	101973	21.308	ug/l		99
18) Methyl Acetate	4.391	43	19673	26.393	ug/l		92
19) Methyl tert-butyl Ether	5.116	73	85748	23.710	ug/l		98
20) Methylene Chloride	4.629	84	34701	22.087	ug/l		94
21) trans-1,2-Dichloroethene	5.122	96	36879	22.137	ug/l		94
22) Diisopropyl ether	6.025	45	120281	27.585	ug/l		94
23) Vinyl Acetate	5.970	43	331355	137.224	ug/l		95
24) 1,1-Dichloroethane	5.927	63	67799	24.102	ug/l		98
25) 2-Butanone	6.902	43	46083	127.520	ug/l		95
26) 2,2-Dichloropropane	6.890	77	61862	22.336	ug/l		97
27) cis-1,2-Dichloroethene	6.896	96	42356	22.120	ug/l		93
28) Bromochloromethane	7.250	49	27966	26.684	ug/l		83
29) Tetrahydrofuran	7.268	42	32271	132.707	ug/l		90
30) Chloroform	7.427	83	69562	22.832	ug/l		98
31) Cyclohexane	7.707	56	59268	21.556	ug/l		94
32) 1,1,1-Trichloroethane	7.622	97	63645	21.585	ug/l		96
36) 1,1-Dichloropropene	7.841	75	50918	20.868	ug/l		96
37) Ethyl Acetate	6.988	43	23724	26.080	ug/l	#	96
38) Carbon Tetrachloride	7.823	117	59433	19.683	ug/l		96
39) Methylcyclohexane	9.116	83	61029	18.619	ug/l		92
40) Benzene	8.085	78	150967	21.027	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.250	41	15142m	30.084	ug/l		
42) 1,2-Dichloroethane	8.164	62	41726	22.916	ug/l		98
43) Isopropyl Acetate	8.201	43	45505	25.040	ug/l		97
44) Trichloroethene	8.872	130	38841	19.606	ug/l		100
45) 1,2-Dichloropropane	9.146	63	36268	22.538	ug/l		99
46) Dibromomethane	9.237	93	20417	21.802	ug/l		93
47) Bromodichloromethane	9.426	83	53424	21.723	ug/l		97
48) Methyl methacrylate	9.225	41	19957	23.066	ug/l		91
49) 1,4-Dioxane	9.237	88	3939	395.839	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.006	43	114844	122.983	ug/l		94
52) Toluene	10.176	92	95614	20.517	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	47690	21.429	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	57105	21.469	ug/l	#	89
55) 1,1,2-Trichloroethane	10.579	97	26314	21.129	ug/l		98
56) Ethyl methacrylate	10.445	69	34126	20.963	ug/l	#	86
57) 1,3-Dichloropropane	10.725	76	45784	21.690	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	83057	120.208	ug/l		95
59) 2-Hexanone	10.768	43	72555	119.535	ug/l		92
60) Dibromochloromethane	10.914	129	36853	20.754	ug/l		99
61) 1,2-Dibromoethane	11.018	107	24505	20.600	ug/l		97
64) Tetrachloroethene	10.652	164	34418	18.655	ug/l		97
65) Chlorobenzene	11.444	112	103141	20.015	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.524	131	36817	20.130	ug/l		99
67) Ethyl Benzene	11.524	91	182430	20.446	ug/l		99
68) m/p-Xylenes	11.633	106	138826	40.497	ug/l		97
69) o-Xylene	11.963	106	64616	20.276	ug/l		98
70) Styrene	11.975	104	108143	20.439	ug/l		99
71) Bromoform	12.139	173	21254	19.718	ug/l	#	100
73) Isopropylbenzene	12.261	105	171836	20.921	ug/l		100
74) N-amyl acetate	12.078	43	37235	24.896	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.511	83	29712	22.410	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	21952m	23.712	ug/l		
77) Bromobenzene	12.536	156	40491	20.793	ug/l		95
78) n-propylbenzene	12.603	91	206279	21.429	ug/l		98
79) 2-Chlorotoluene	12.688	91	118673	21.638	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	142319	21.150	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	9872	22.135	ug/l		93
82) 4-Chlorotoluene	12.786	91	121872	21.712	ug/l		100
83) tert-Butylbenzene	13.005	119	128881	20.651	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	139446	21.214	ug/l		99
85) sec-Butylbenzene	13.182	105	185044	20.943	ug/l		99
86) p-Isopropyltoluene	13.298	119	154555	20.815	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	77631	20.446	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	76342	20.248	ug/l		97
89) n-Butylbenzene	13.627	91	138532	20.829	ug/l		98
90) Hexachloroethane	13.889	117	31796	21.166	ug/l		93
91) 1,2-Dichlorobenzene	13.663	146	67363	20.344	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4160	20.380	ug/l		88
93) 1,2,4-Trichlorobenzene	14.932	180	34770	17.150	ug/l		98
94) Hexachlorobutadiene	15.029	225	24481	17.435	ug/l		97
95) Naphthalene	15.151	128	55021	16.886	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	29301	17.090	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
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 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

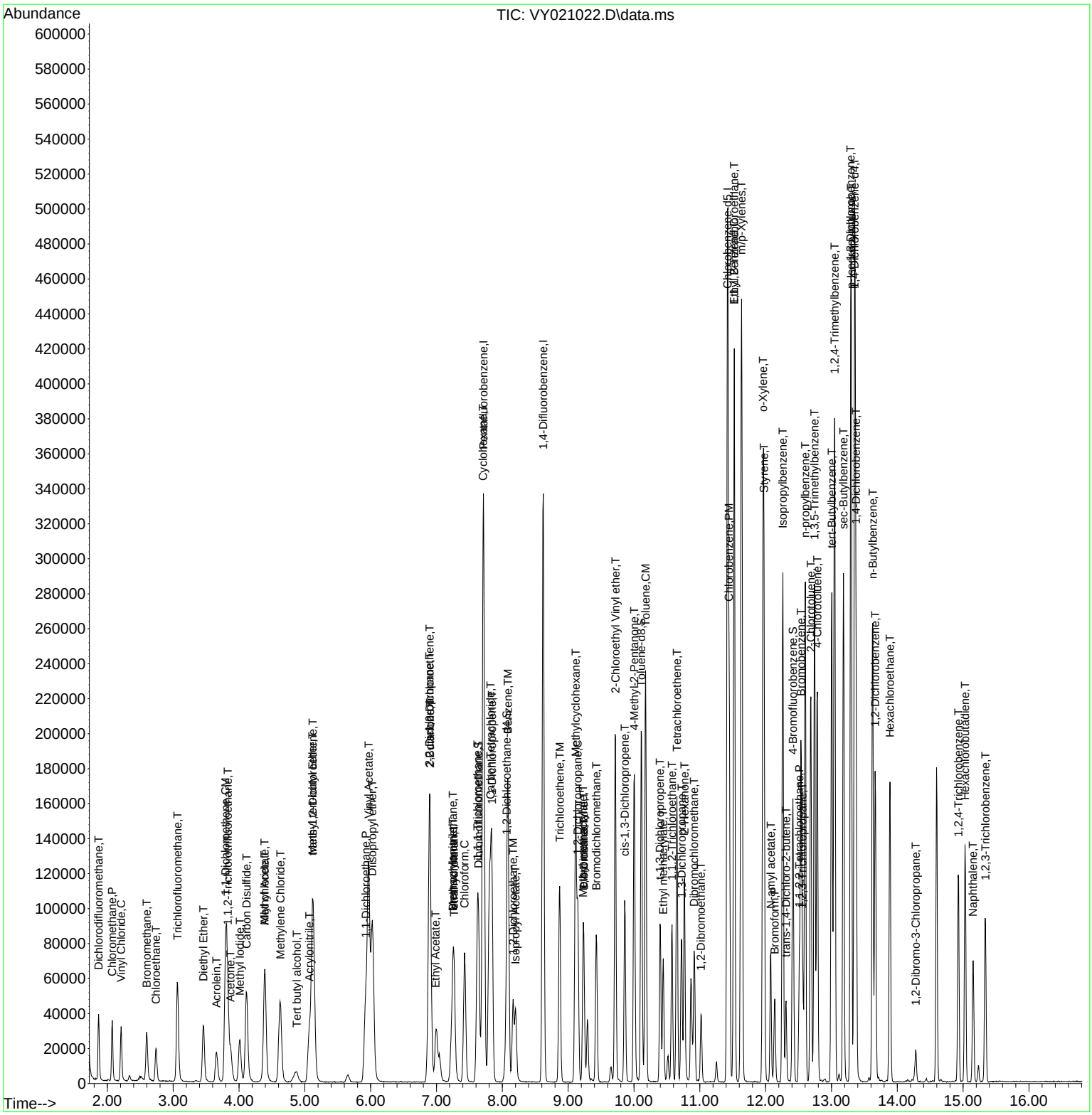
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Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

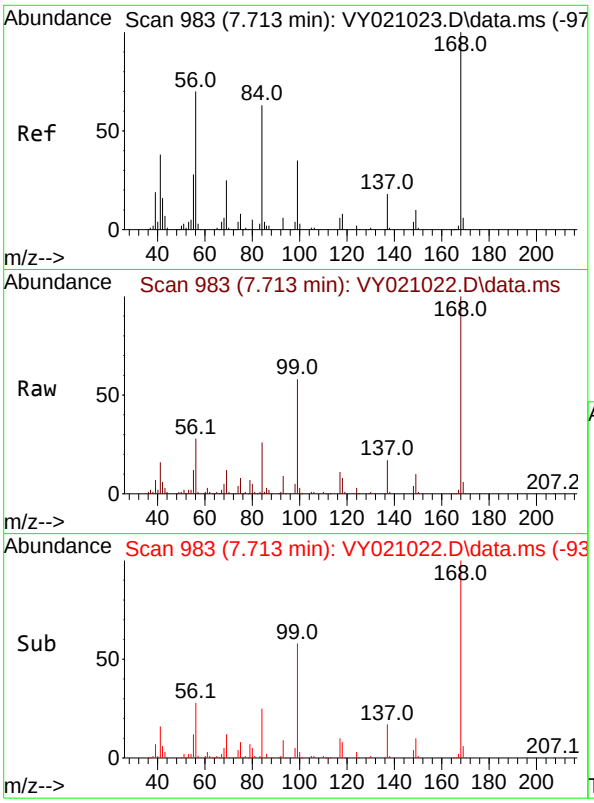
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Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

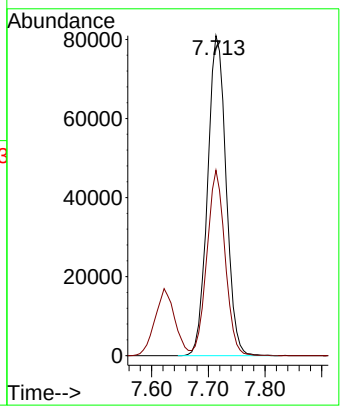
Tgt Ion:168 Resp: 18356

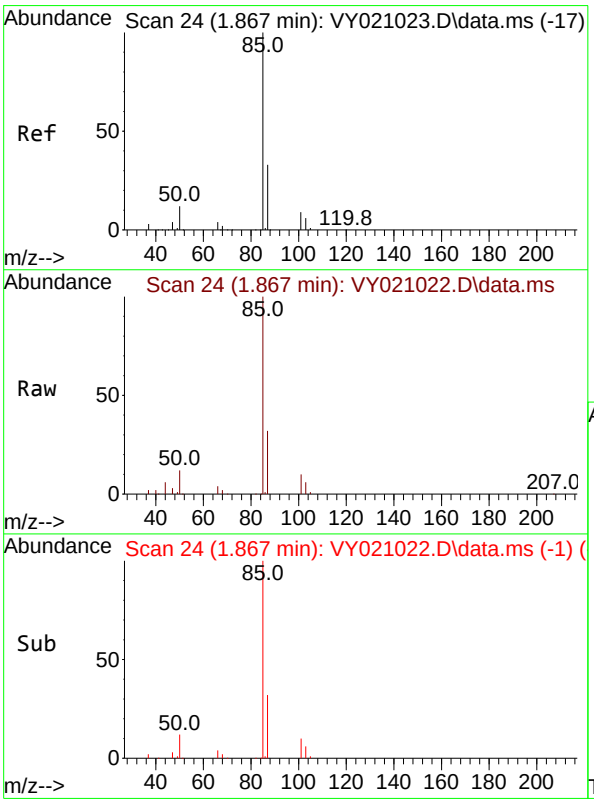
Ion	Ratio	Lower	Upper
168	100		
99	57.9	42.2	63.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

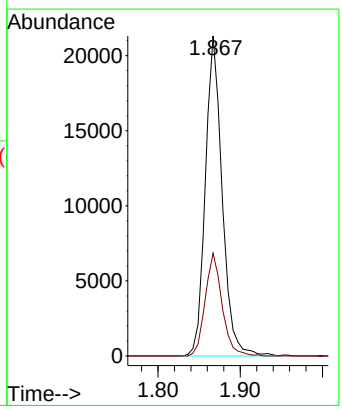


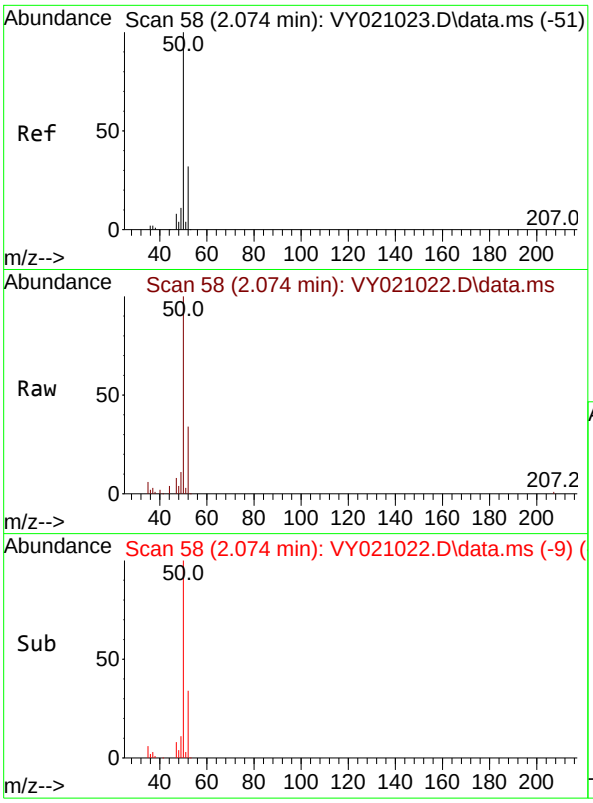


#2
Dichlorodifluoromethane
Concen: 19.435 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 85 Resp: 30336

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.3	48.9

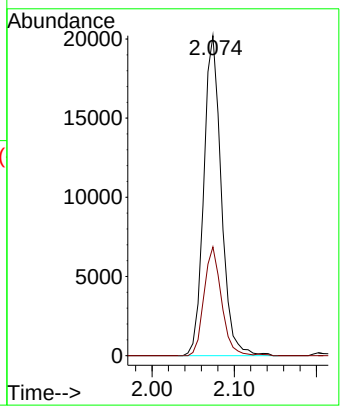




#3
Chloromethane
Concen: 30.154 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 50 Resp: 2992

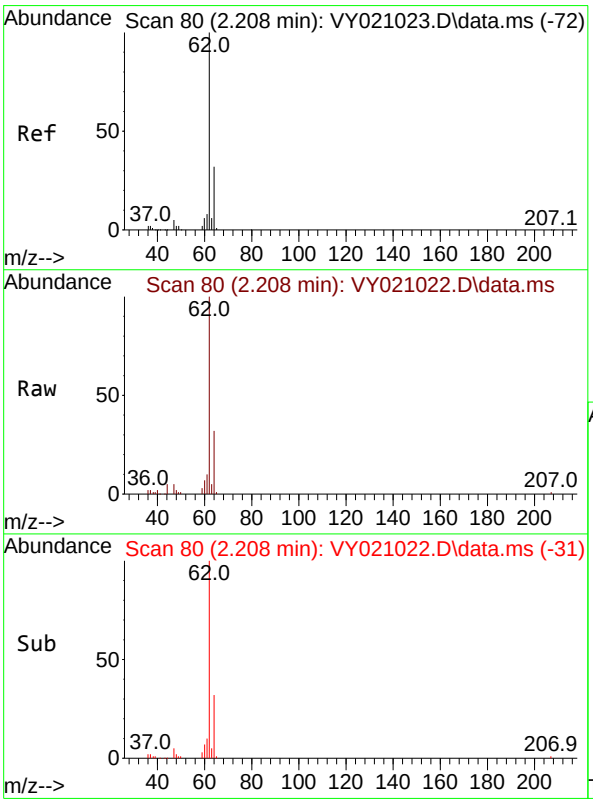
Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

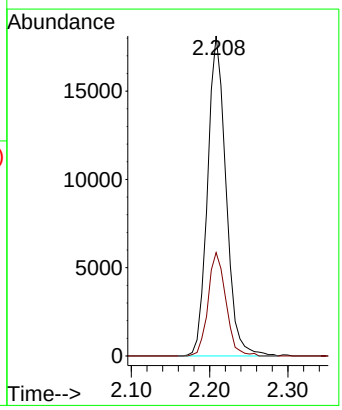
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

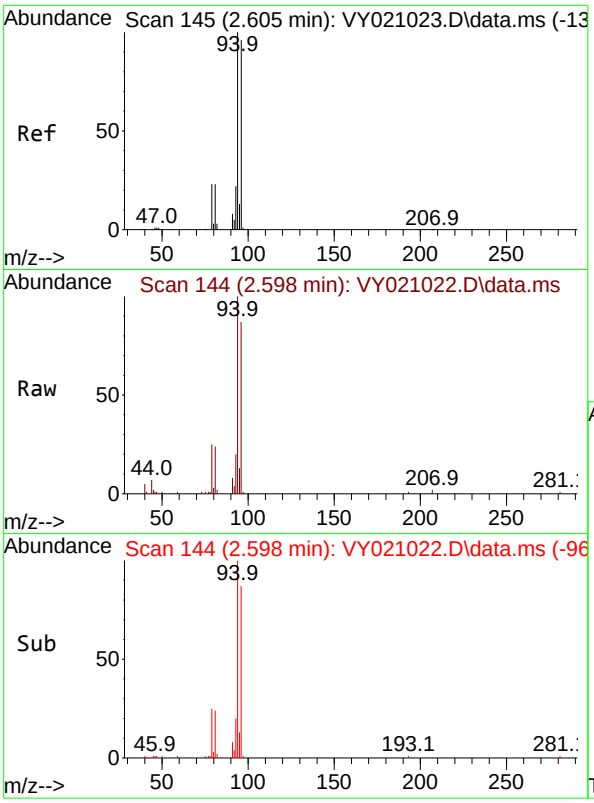


#4
Vinyl Chloride
Concen: 28.986 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 62 Resp: 29658

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.4	38.2





#5
Bromomethane
Concen: 26.423 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

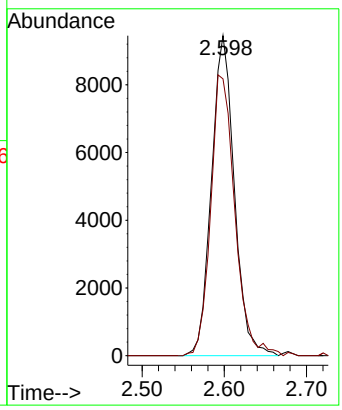
Tgt Ion: 94 Resp: 1830

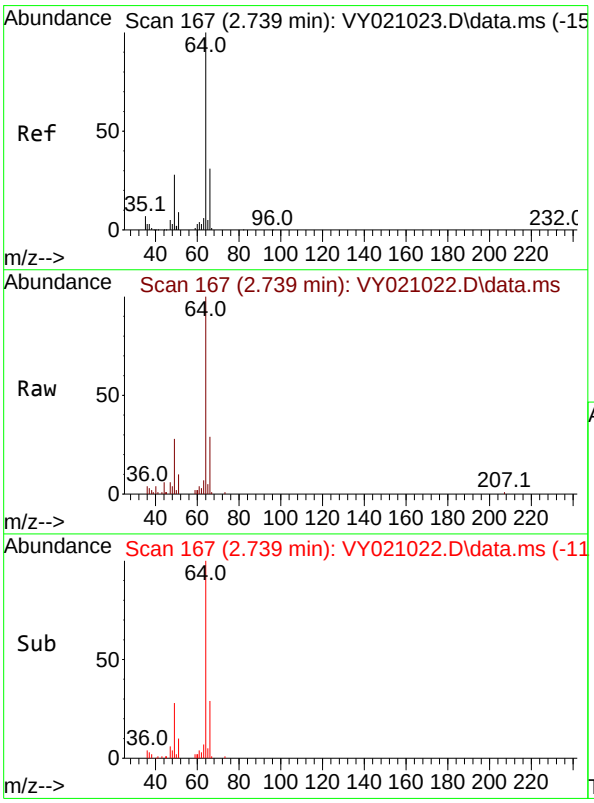
Ion	Ratio	Lower	Upper
94	100		
96	86.5	77.4	116.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

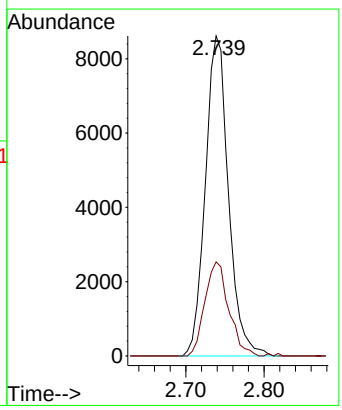


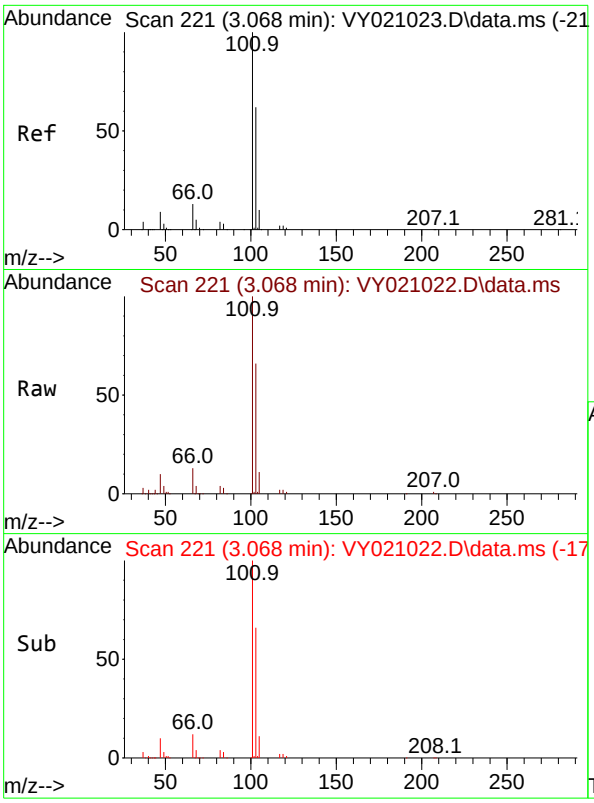


#6
Chloroethane
Concen: 29.503 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 64 Resp: 17634

Ion	Ratio	Lower	Upper
64	100		
66	29.4	25.0	37.4

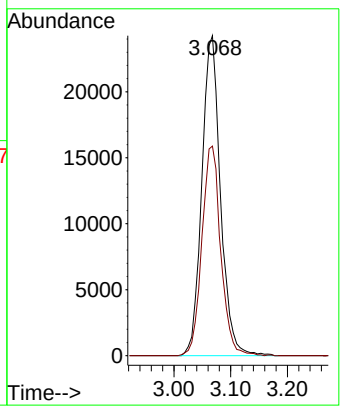




#7
Trichlorofluoromethane
Concen: 22.457 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:101 Resp: 5545

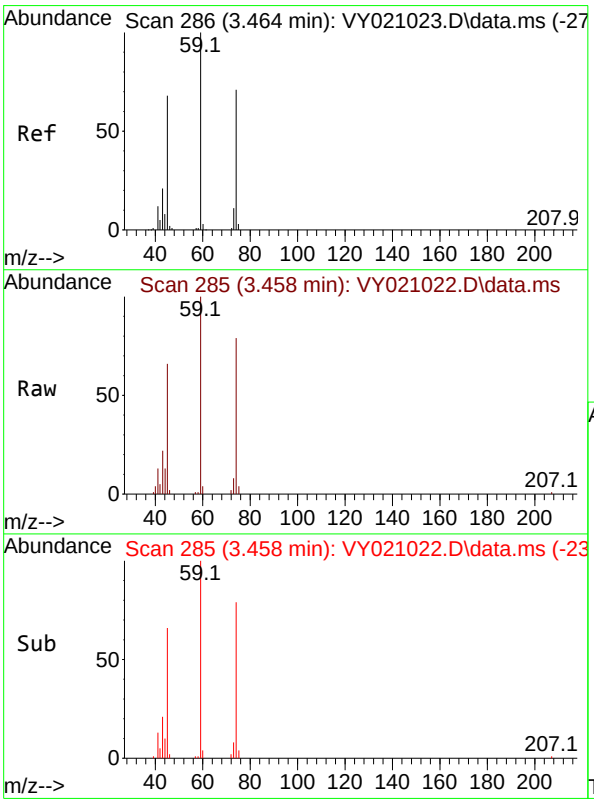
Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

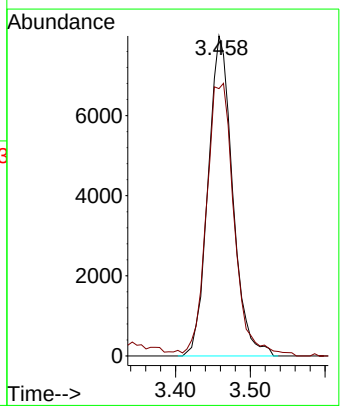
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

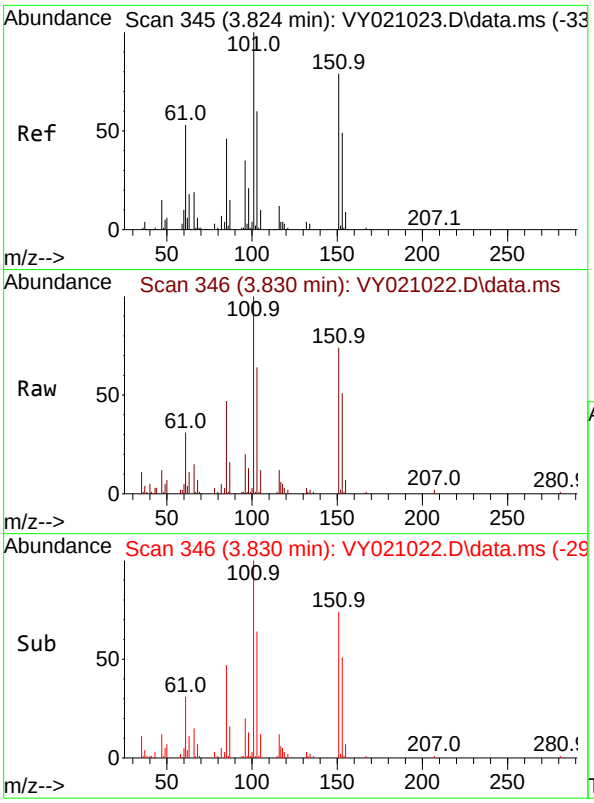


#8
Diethyl Ether
Concen: 24.733 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 74 Resp: 18232

Ion	Ratio	Lower	Upper
74	100		
45	95.6	43.4	130.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.855 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

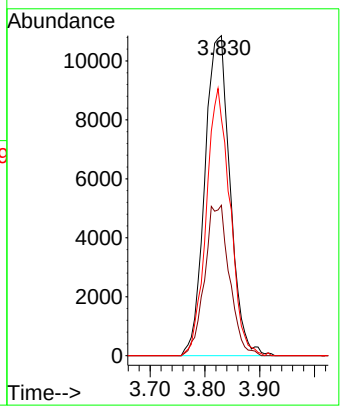
Tgt Ion:101 Resp: 3467

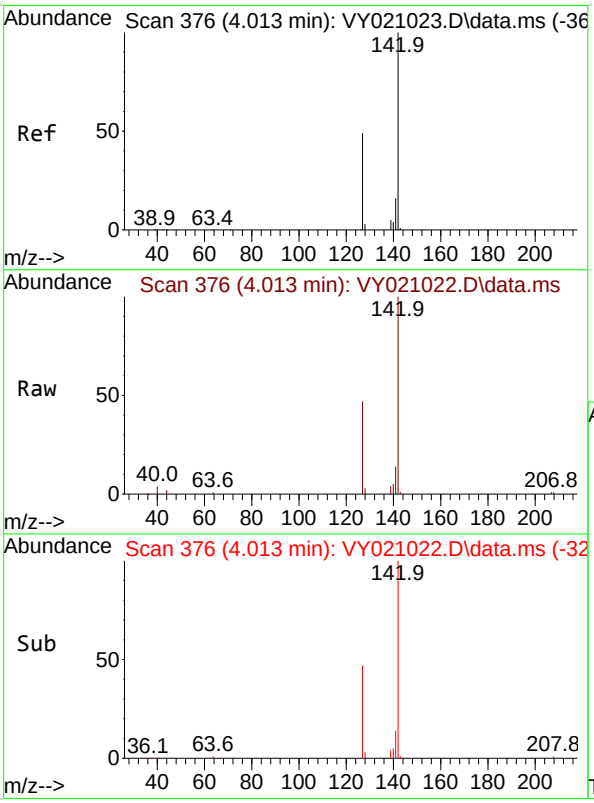
Ion	Ratio	Lower	Upper
101	100		
85	46.3	34.9	52.3
151	78.7	66.8	100.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

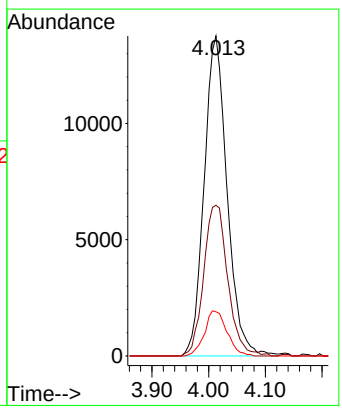


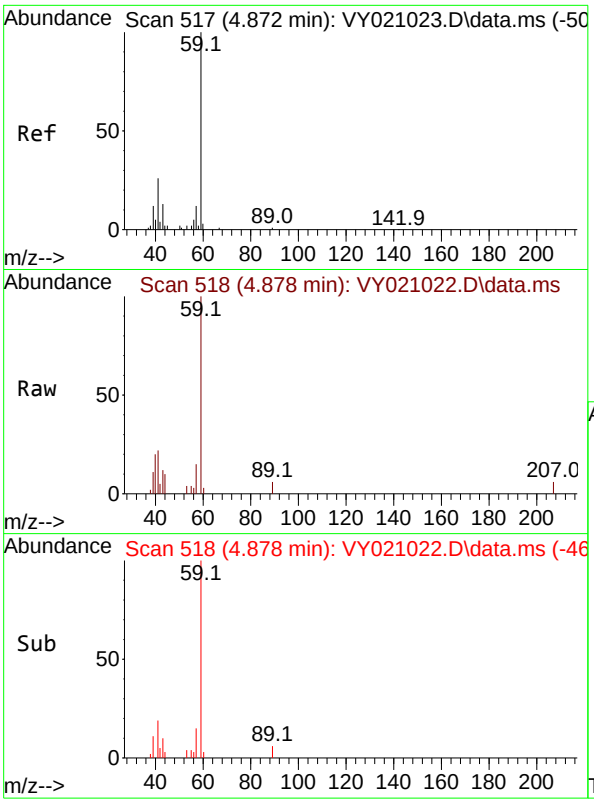


#10
Methyl Iodide
Concen: 20.338 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:142 Resp: 38697

Ion	Ratio	Lower	Upper
142	100		
127	49.5	38.9	58.3
141	13.8	11.7	17.5

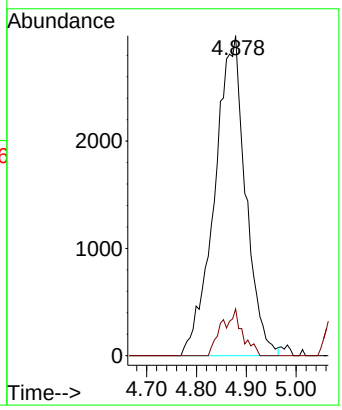




#11
Tert butyl alcohol
Concen: 112.894 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 59 Resp: 1288

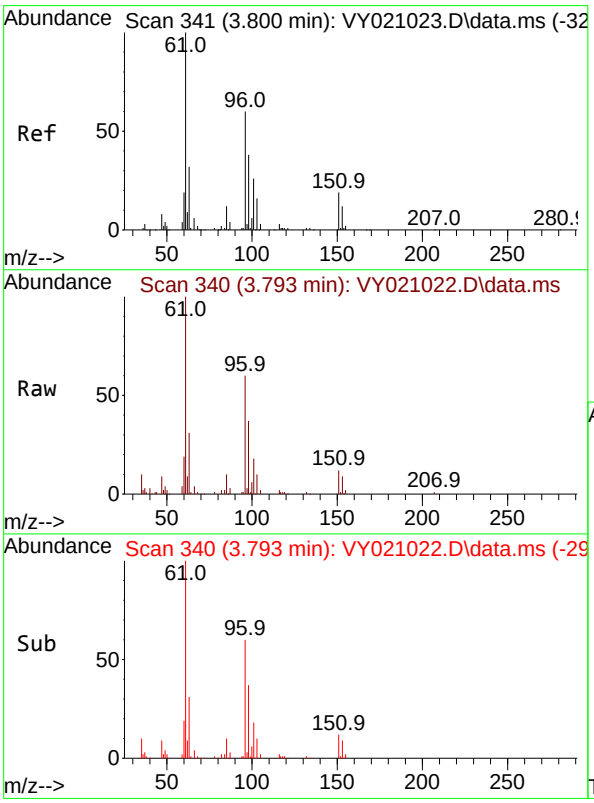
Ion	Ratio	Lower	Upper
59	100		
57	6.0	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

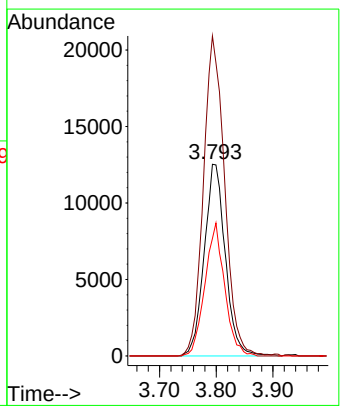
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

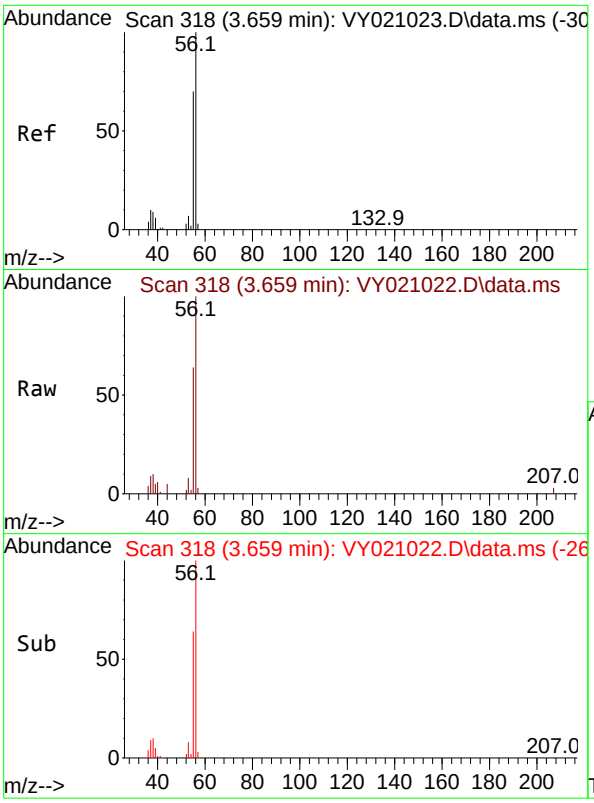


#12
1,1-Dichloroethene
Concen: 20.845 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 96 Resp: 32389

Ion	Ratio	Lower	Upper
96	100		
61	166.9	120.8	181.2
98	61.3	50.6	76.0

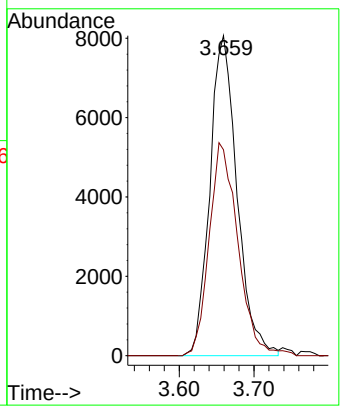




#13
Acrolein
Concen: 155.371 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 56 Resp: 2042

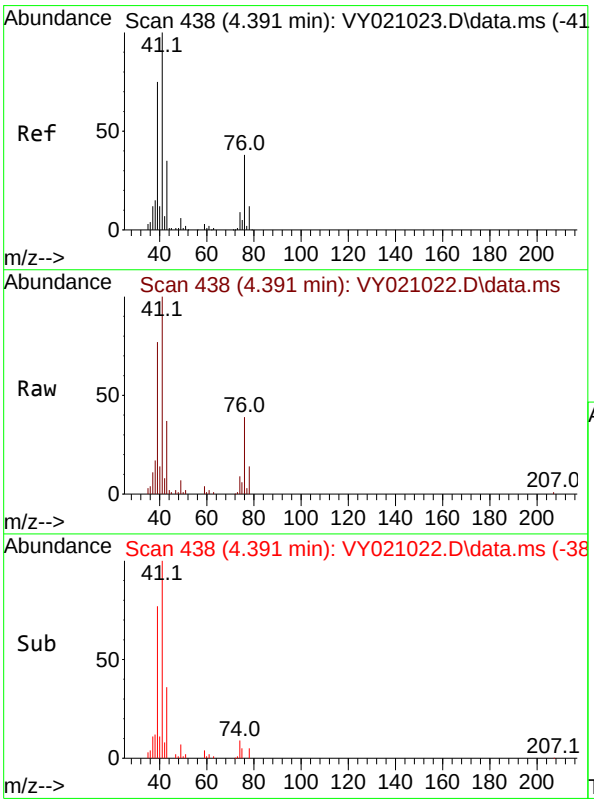
Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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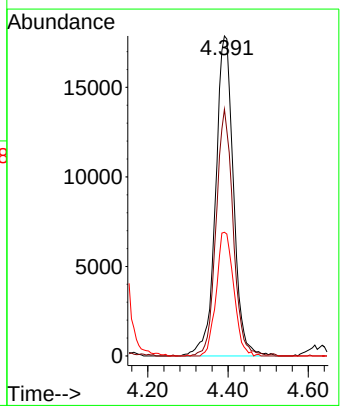
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

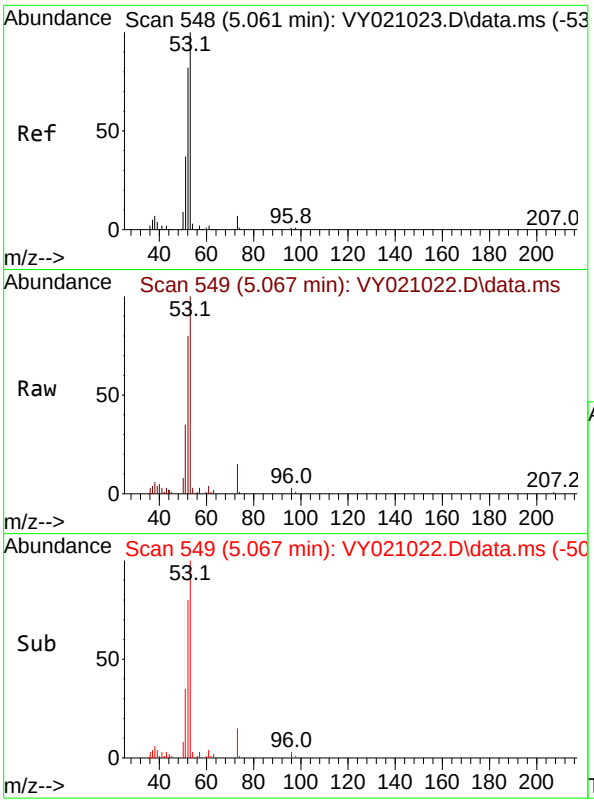


#14
Allyl chloride
Concen: 25.859 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 41 Resp: 55315

Ion	Ratio	Lower	Upper
41	100		
39	73.2	53.5	80.3
76	37.8	34.6	52.0

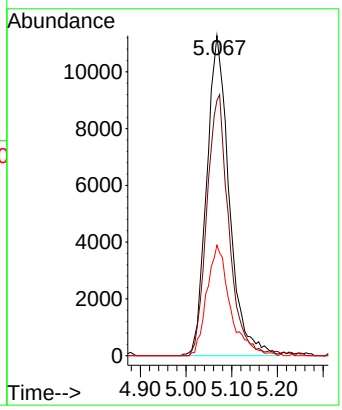




#15
Acrylonitrile
Concen: 127.343 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 53 Resp: 3861

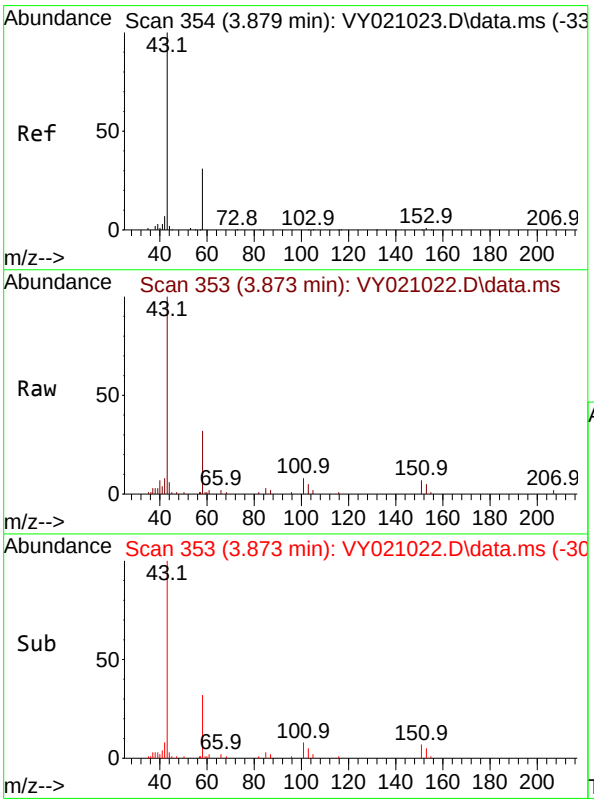
Ion	Ratio	Lower	Upper
53	100		
52	79.0	66.2	99.4
51	35.8	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

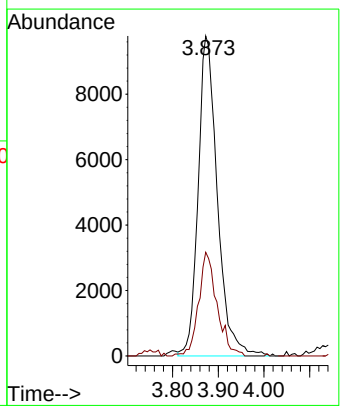
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

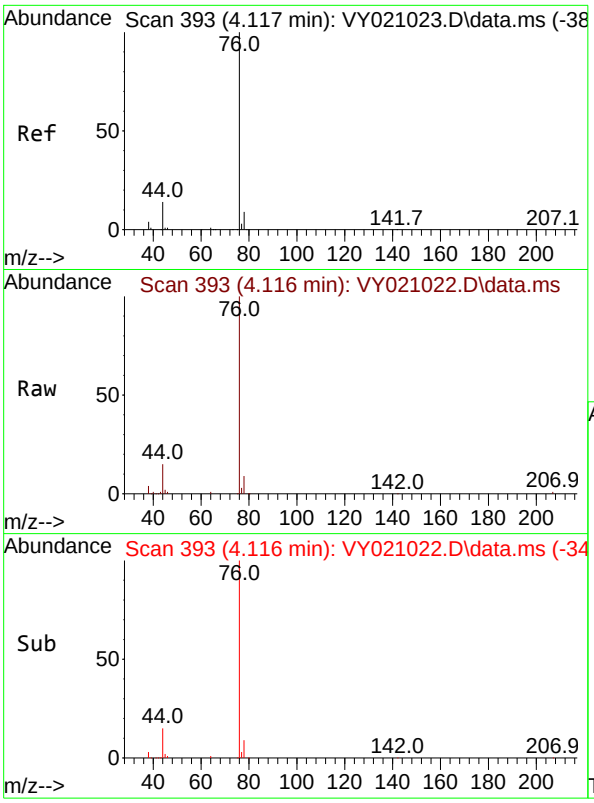


#16
Acetone
Concen: 133.874 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 28518

Ion	Ratio	Lower	Upper
43	100		
58	32.4	28.4	42.6





#17
Carbon Disulfide
Concen: 21.308 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

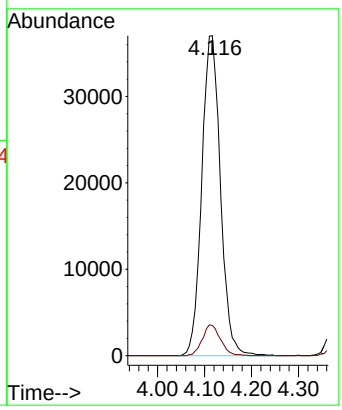
Tgt Ion: 76 Resp: 10197

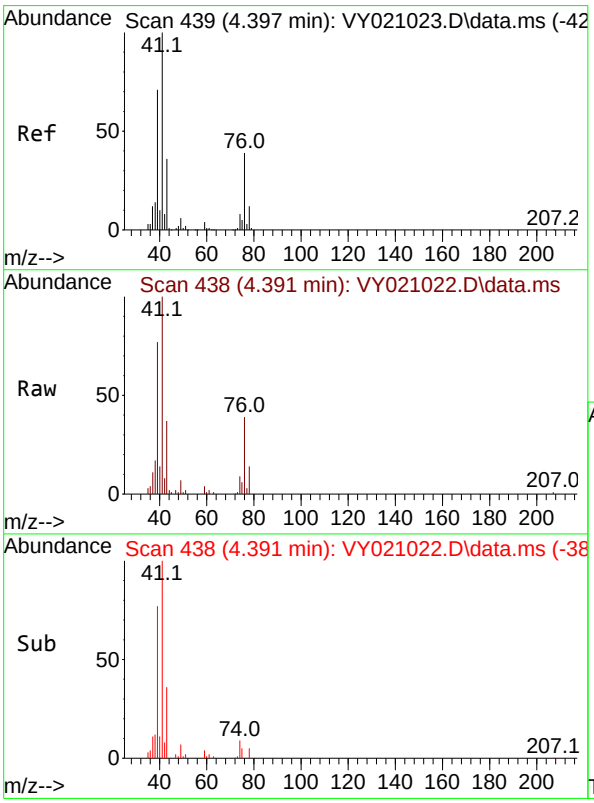
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

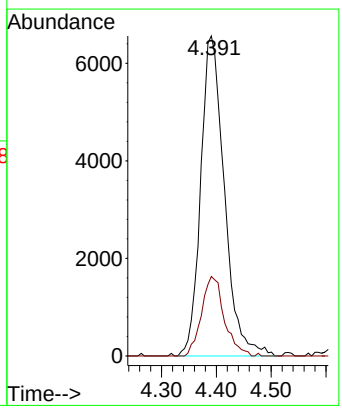


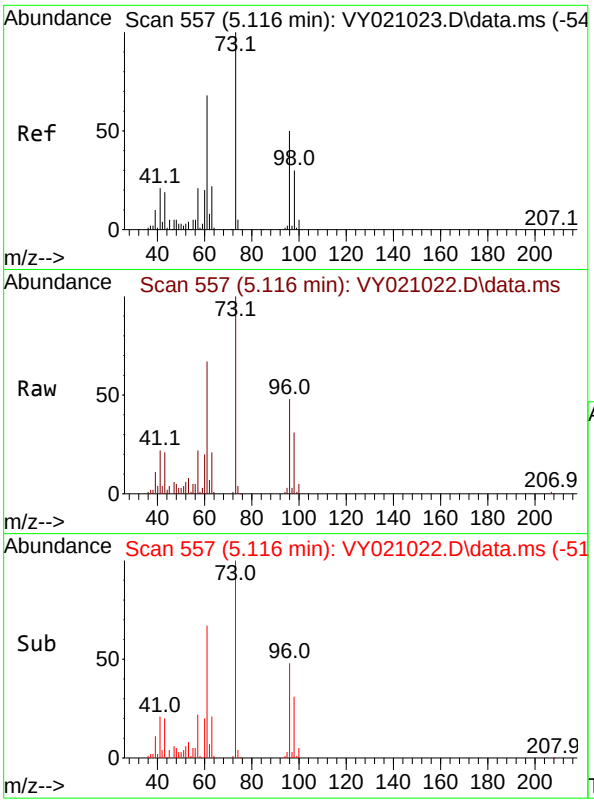


#18
Methyl Acetate
Concen: 26.393 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 19673

Ion	Ratio	Lower	Upper
43	100		
74	23.8	22.2	33.4

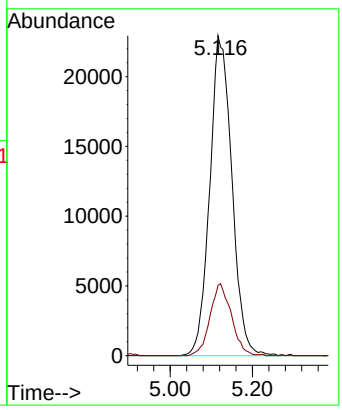




#19
Methyl tert-butyl Ether
Concen: 23.710 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 73 Resp: 8574

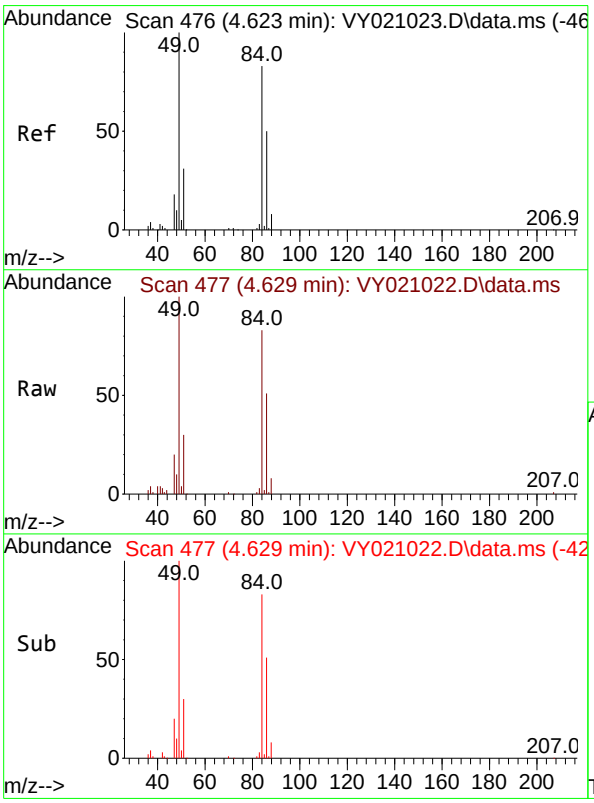
Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.6	25.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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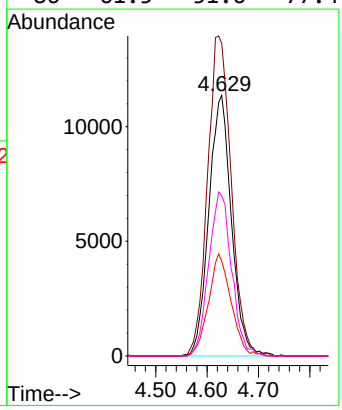
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

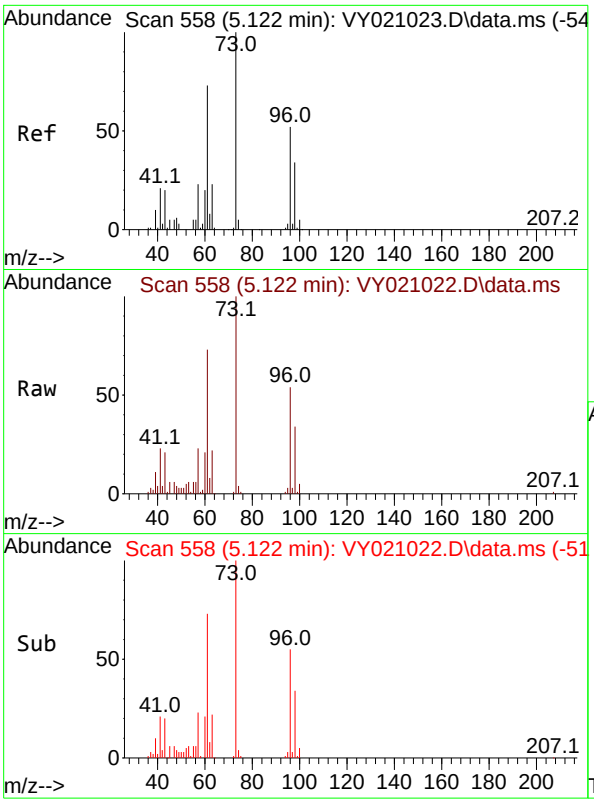


#20
Methylene Chloride
Concen: 22.087 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 84 Resp: 34701

Ion	Ratio	Lower	Upper
84	100		
49	120.0	88.3	132.5
51	36.3	27.7	41.5
86	61.5	51.6	77.4

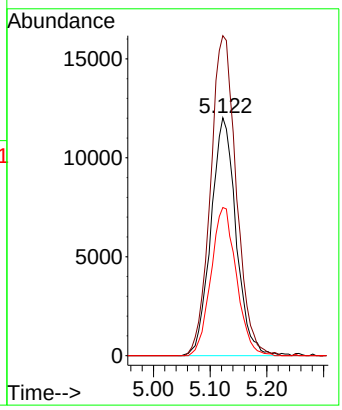




#21
trans-1,2-Dichloroethene
Concen: 22.137 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 96 Resp: 3687

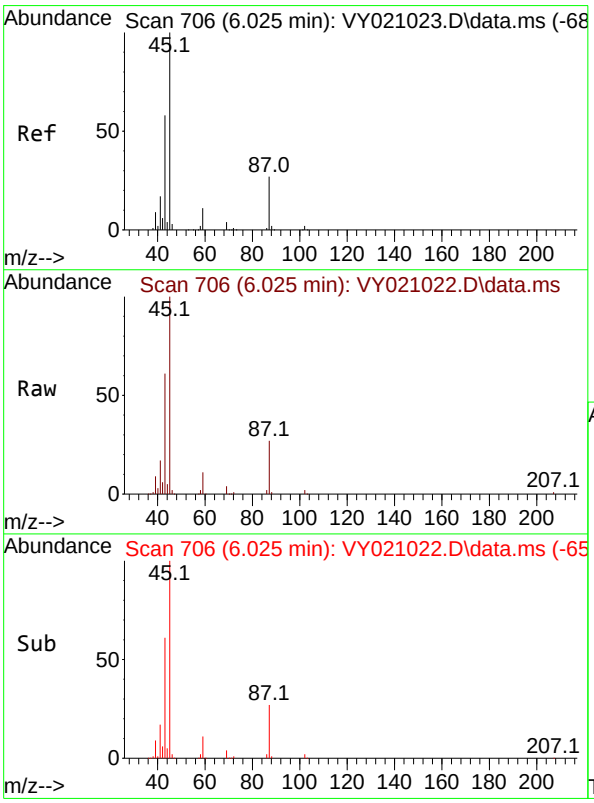
Ion	Ratio	Lower	Upper
96	100		
61	134.5	101.5	152.3
98	62.3	52.0	78.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

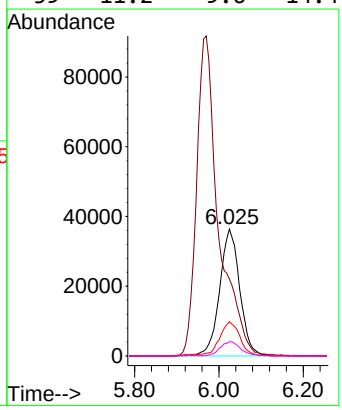
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

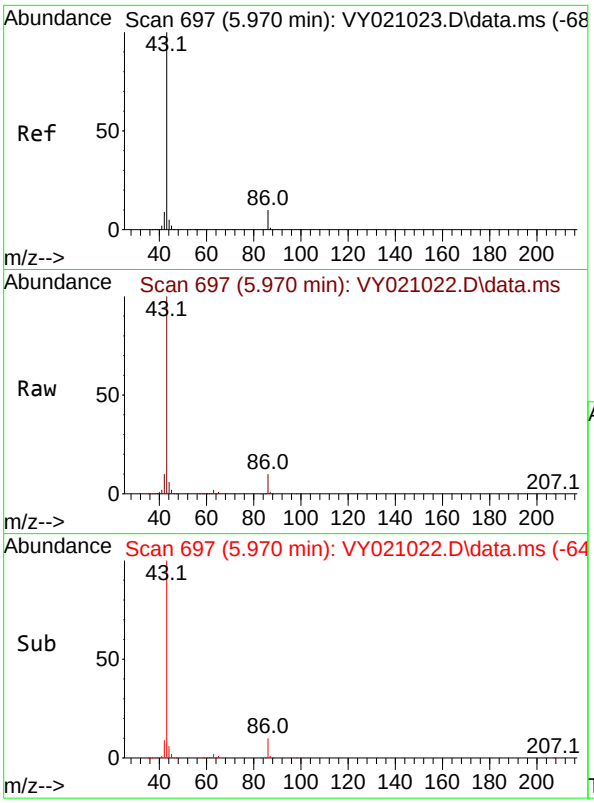


#22
Diisopropyl ether
Concen: 27.585 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 45 Resp: 120281

Ion	Ratio	Lower	Upper
45	100		
43	60.3	45.1	67.7
87	27.0	25.0	37.4
59	11.2	9.6	14.4





#23
Vinyl Acetate
Concen: 137.224 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

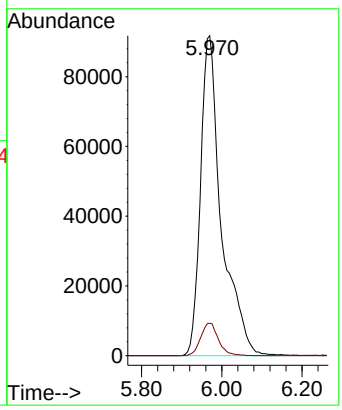
Tgt Ion: 43 Resp: 33135

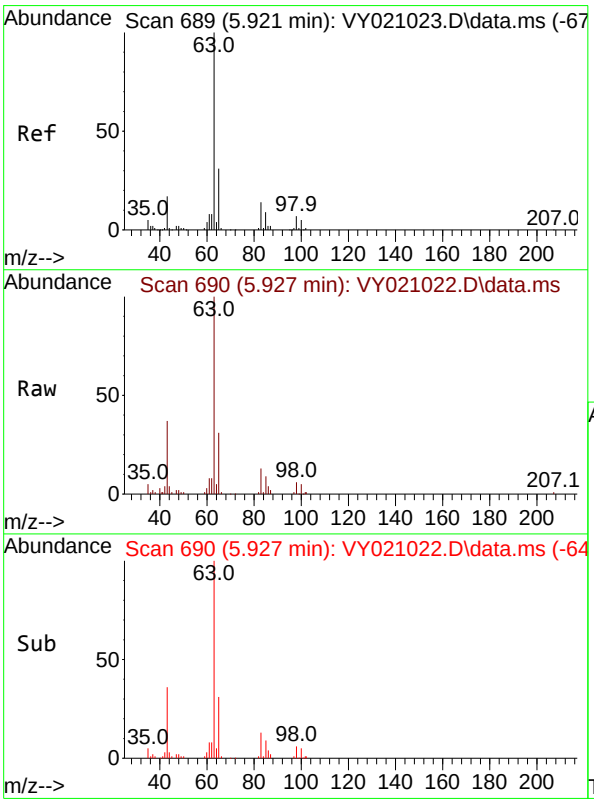
Ion	Ratio	Lower	Upper
43	100		
86	10.1	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

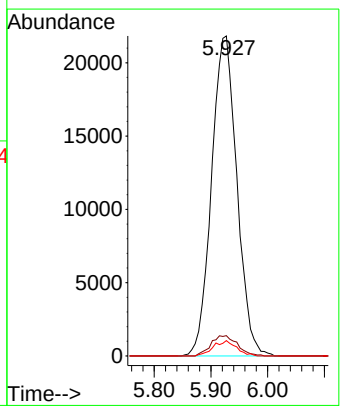


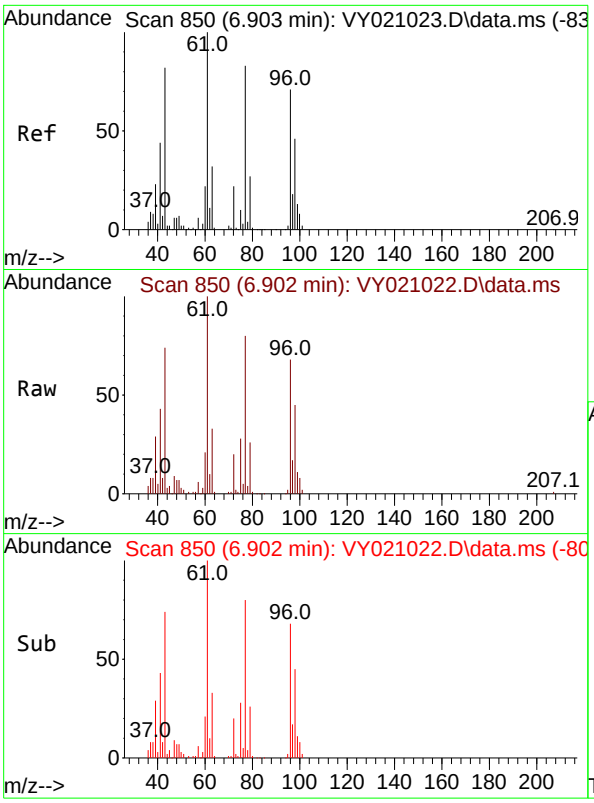


#24
1,1-Dichloroethane
Concen: 24.102 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 63 Resp: 67799

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.7	11.1
100	4.8	2.4	7.2

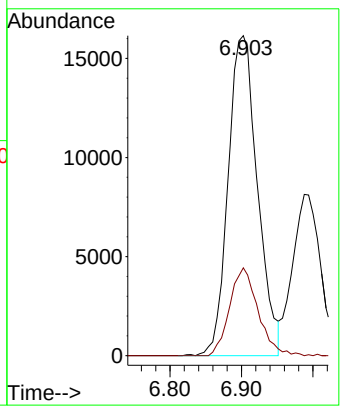




#25
2-Butanone
Concen: 127.520 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 4608

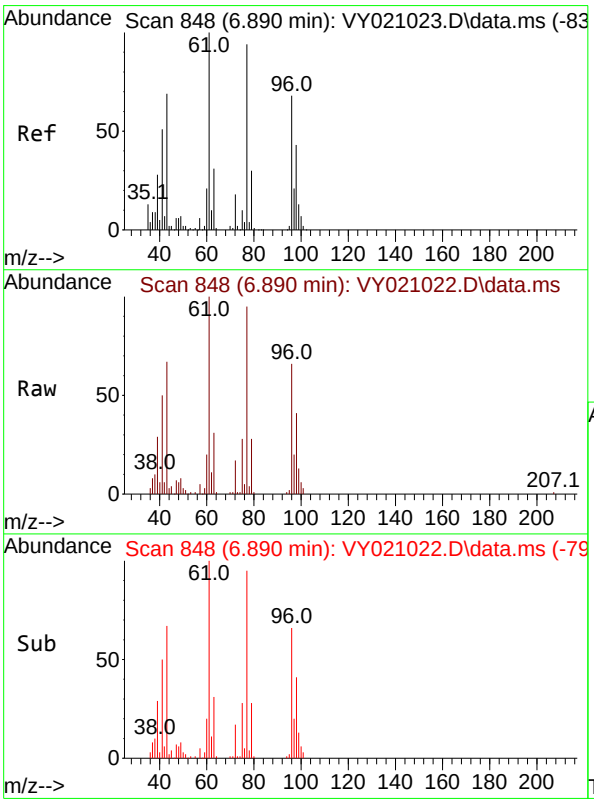
Ion	Ratio	Lower	Upper
43	100		
72	27.5	24.3	36.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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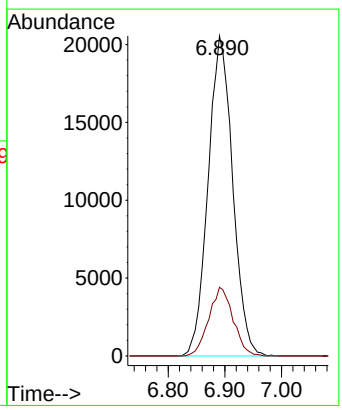
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

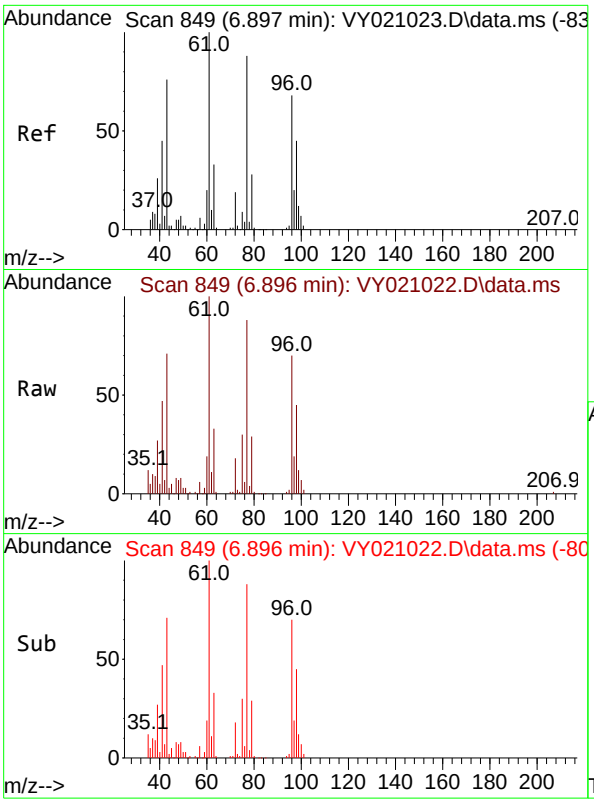


#26
2,2-Dichloropropane
Concen: 22.336 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 77 Resp: 61862

Ion	Ratio	Lower	Upper
77	100		
97	21.3	11.4	34.2

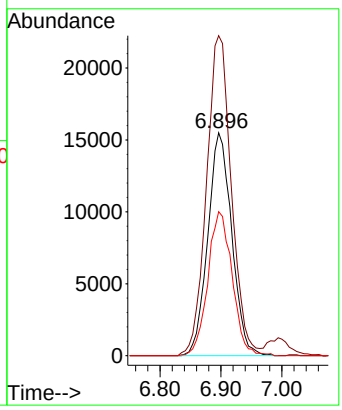




#27
cis-1,2-Dichloroethene
Concen: 22.120 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 96 Resp: 4235

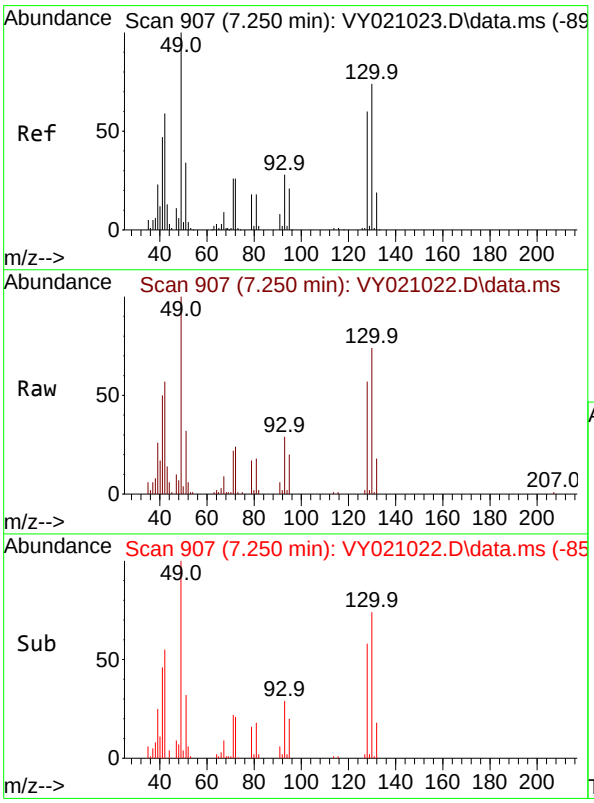
Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	274.0
98	65.6	0.0	130.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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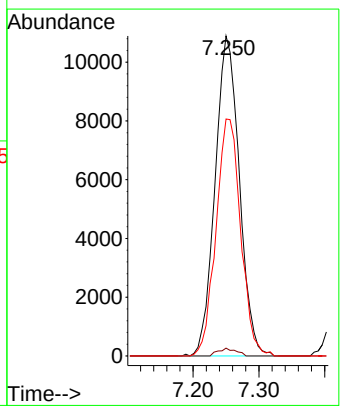
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

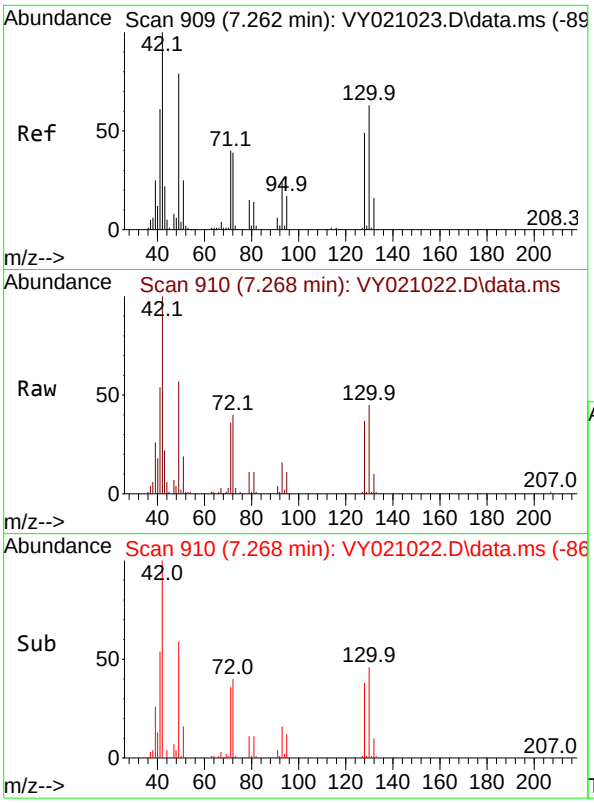


#28
Bromochloromethane
Concen: 26.684 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 49 Resp: 27966

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.0
130	75.3	73.2	109.8

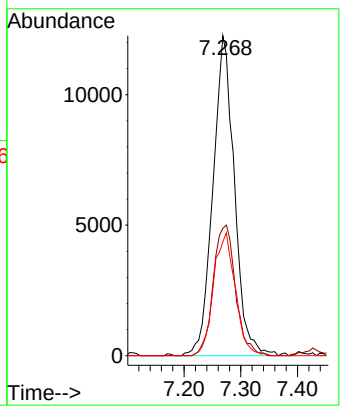




#29
Tetrahydrofuran
Concen: 132.707 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 42 Resp: 3227

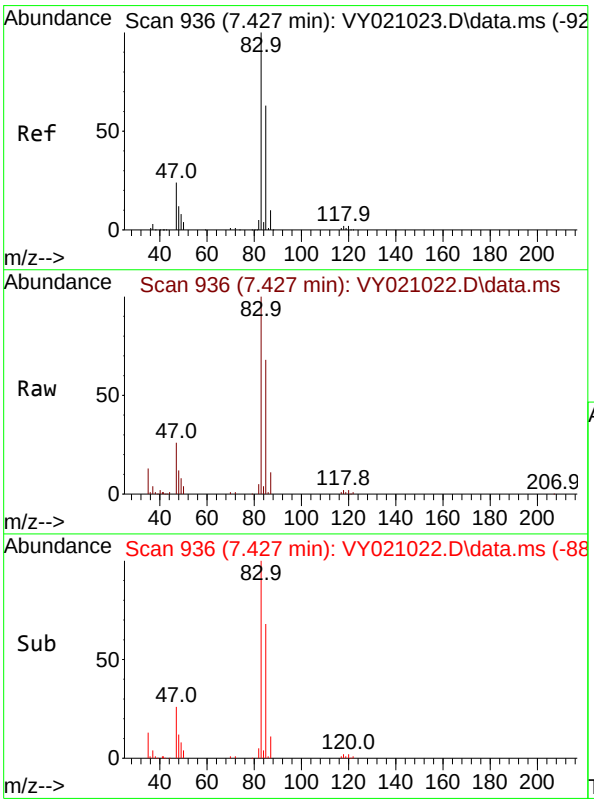
Ion	Ratio	Lower	Upper
42	100		
72	42.2	39.3	58.9
71	39.0	36.1	54.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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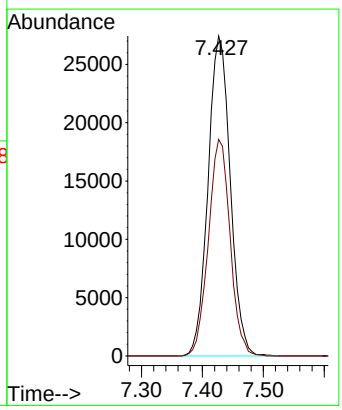
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

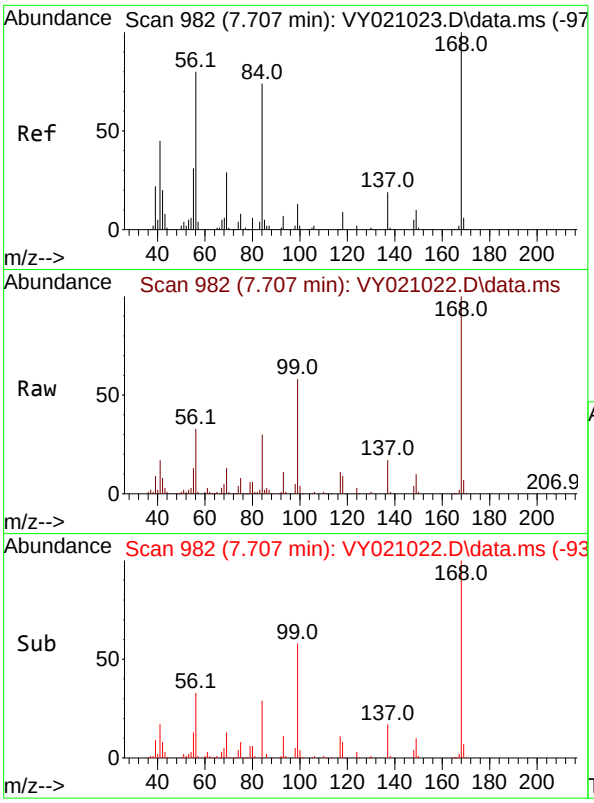


#30
Chloroform
Concen: 22.832 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 83 Resp: 69562

Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.9	79.3

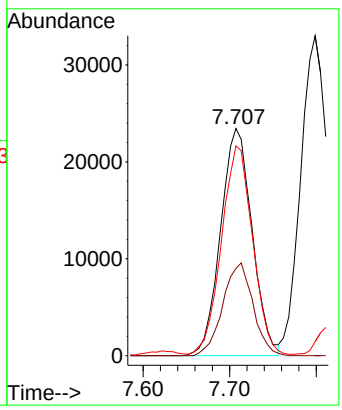




#31
Cyclohexane
Concen: 21.556 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 56 Resp: 5926

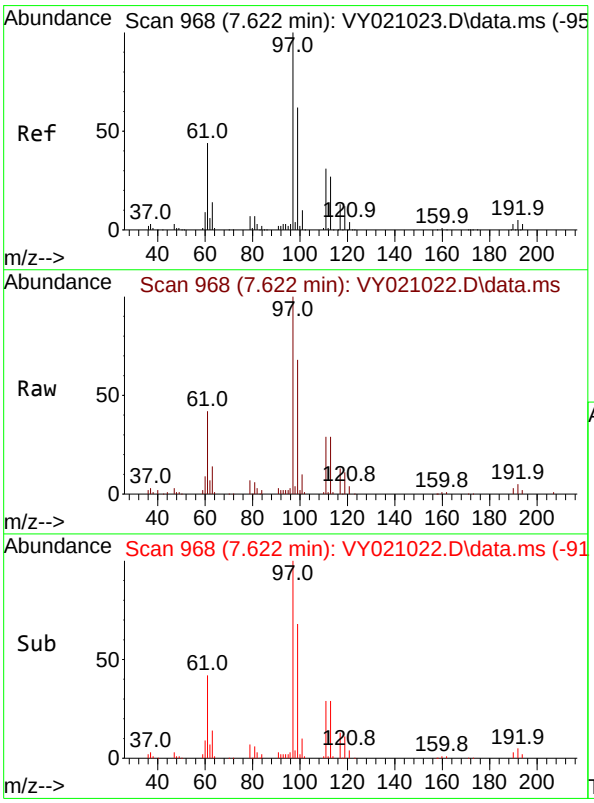
Ion	Ratio	Lower	Upper
56	100		
69	38.4	27.7	41.5
84	91.2	77.5	116.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

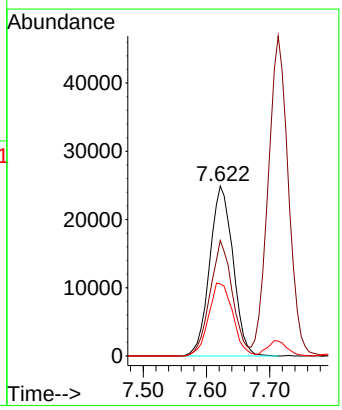
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

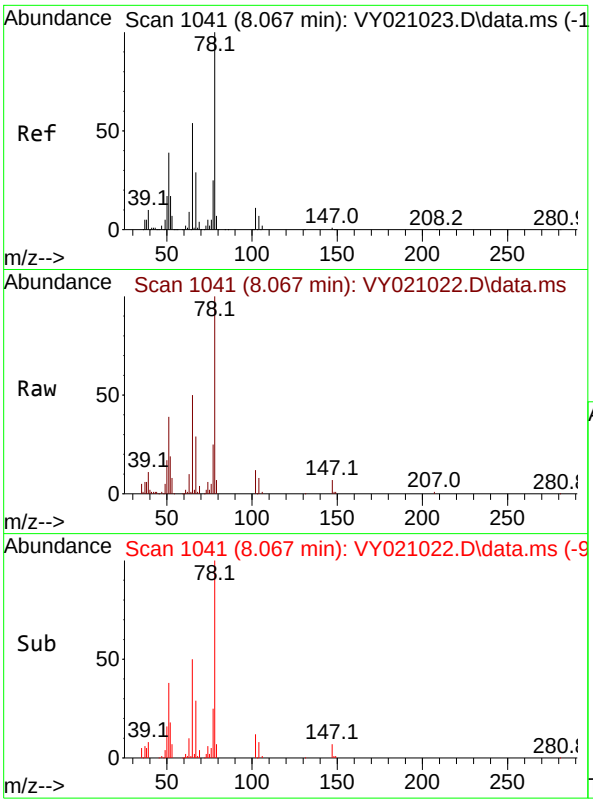


#32
1,1,1-Trichloroethane
Concen: 21.585 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 97 Resp: 63645

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	44.5	31.4	47.0

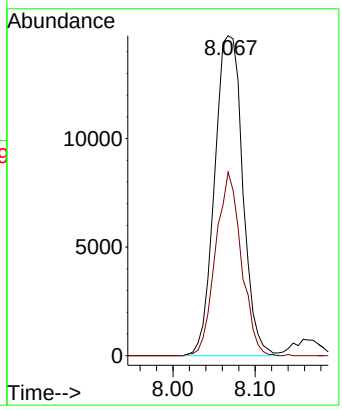




#33
1,2-Dichloroethane-d4
Concen: 22.450 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 65 Resp: 3508

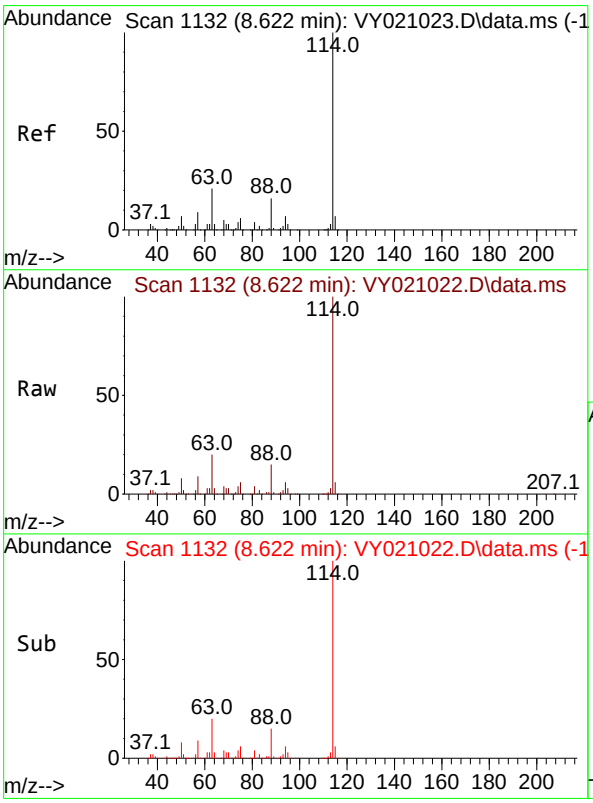
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

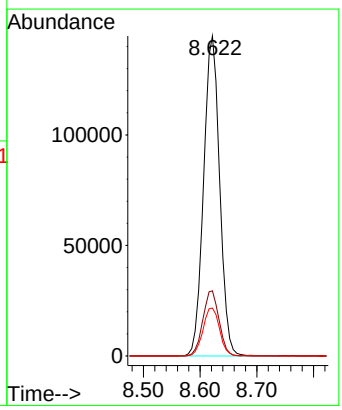
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

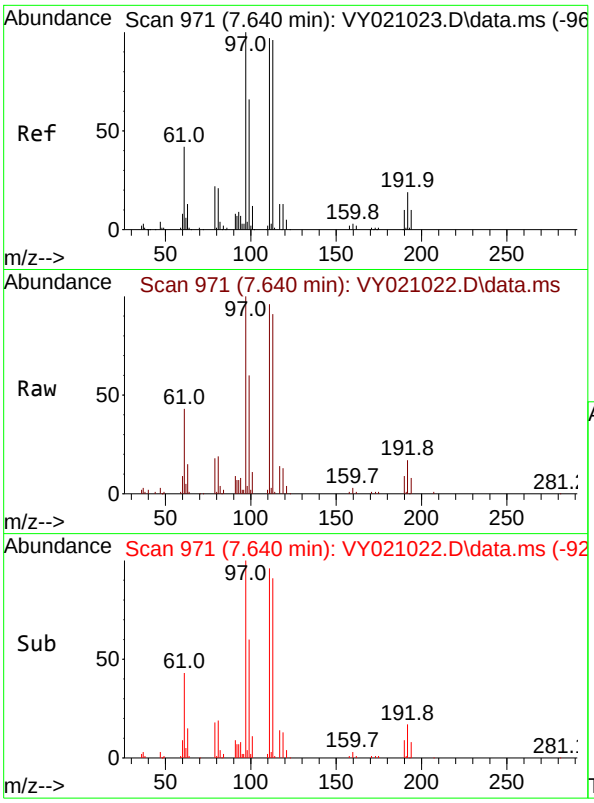


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:114 Resp: 284501

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	37.2
88	15.0	0.0	29.6

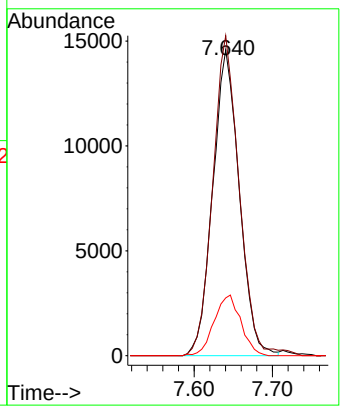




#35
Dibromofluoromethane
Concen: 20.042 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:113 Resp: 3427

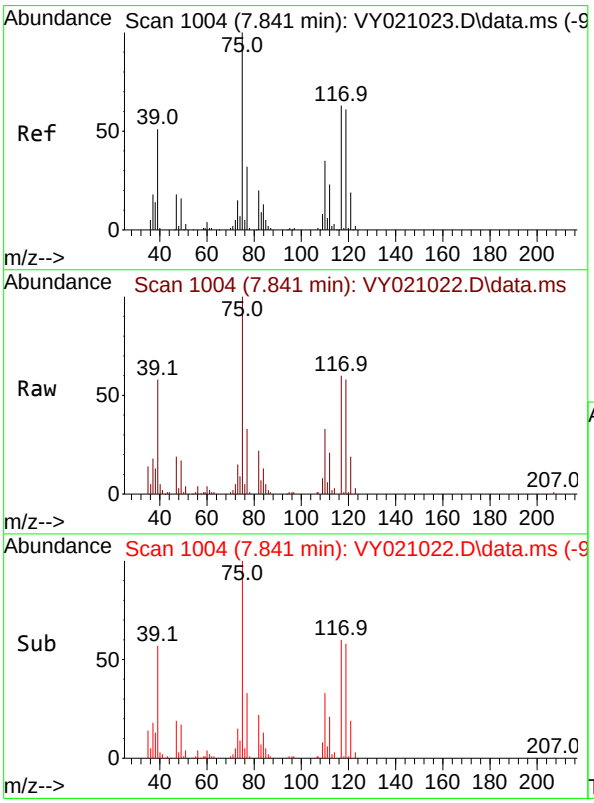
Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.6	123.8
192	20.0	16.8	25.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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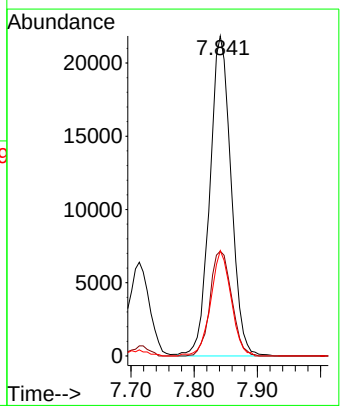
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

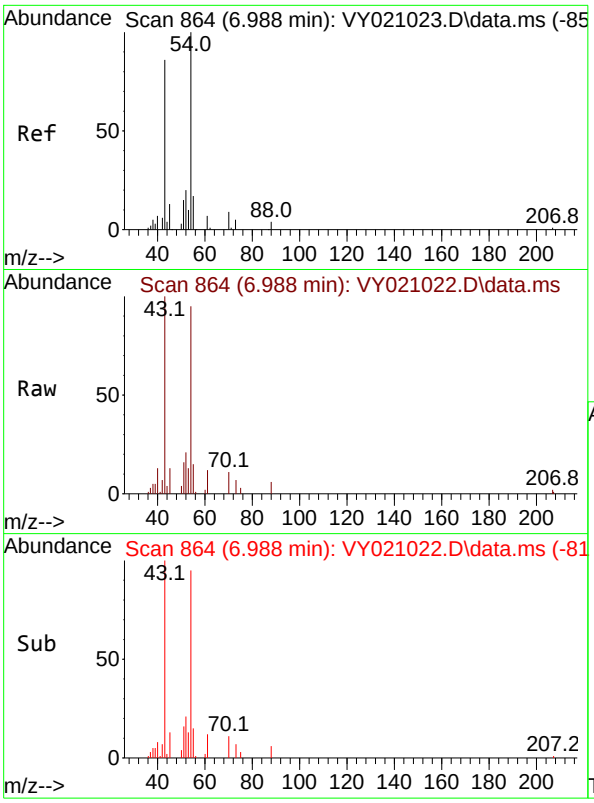


#36
1,1-Dichloropropene
Concen: 20.868 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 50918

Ion	Ratio	Lower	Upper
75	100		
110	33.3	18.4	55.2
77	31.6	24.9	37.3





#37
Ethyl Acetate
Concen: 26.080 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

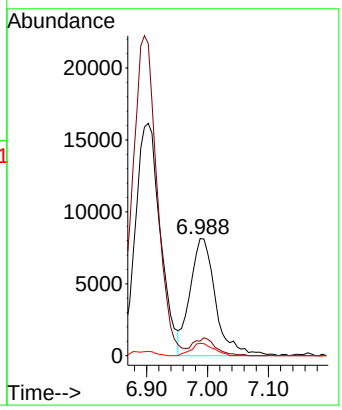
Tgt Ion: 43 Resp: 2372

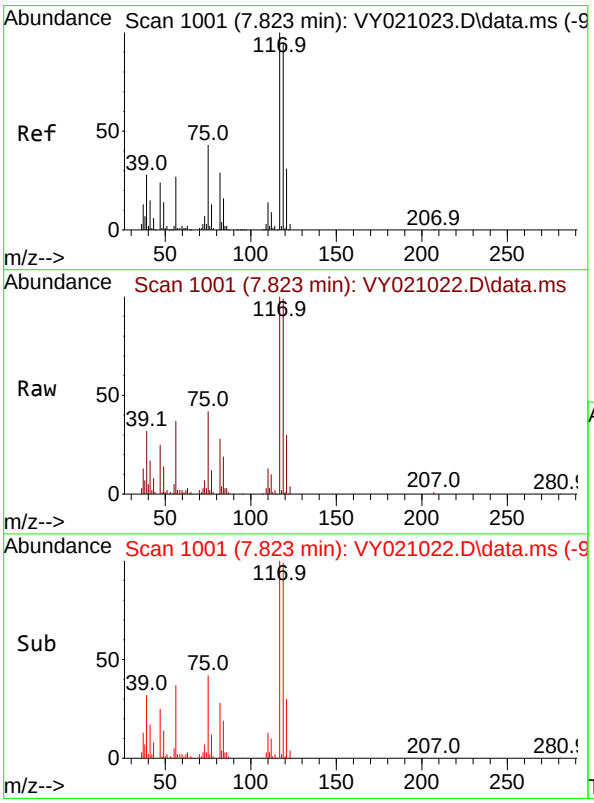
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.4	17.0
70	9.2	9.6	14.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

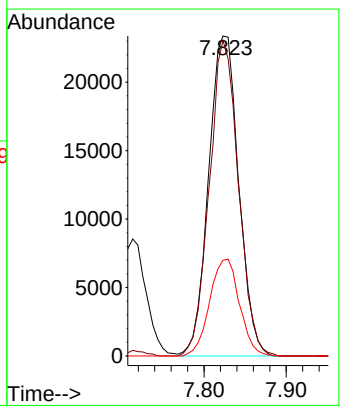


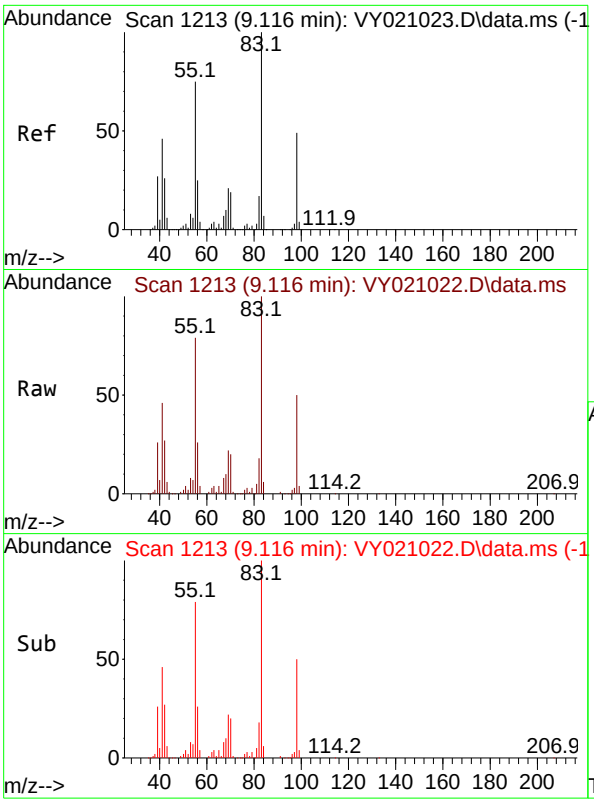


#38
Carbon Tetrachloride
Concen: 19.683 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:117 Resp: 59433

Ion	Ratio	Lower	Upper
117	100		
119	98.6	75.0	112.6
121	29.9	24.2	36.2





#39
Methylcyclohexane
Concen: 18.619 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

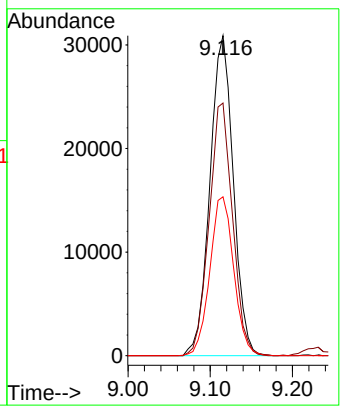
Tgt Ion: 83 Resp: 6102

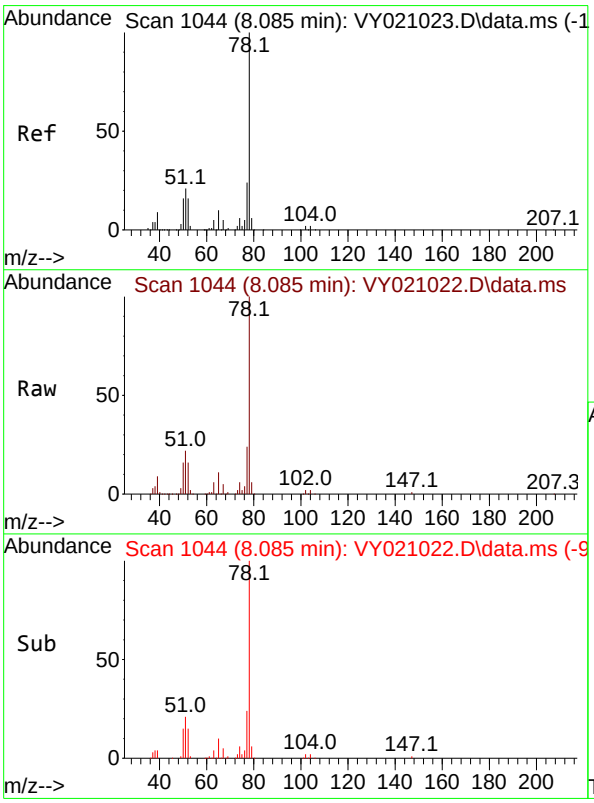
Ion	Ratio	Lower	Upper
83	100		
55	78.9	54.9	82.3
98	49.7	40.5	60.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

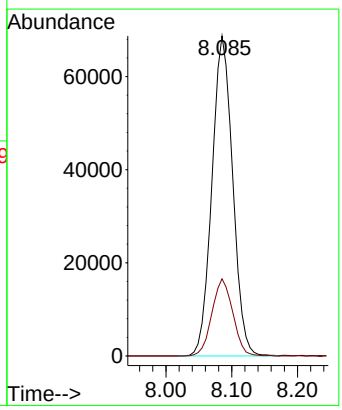


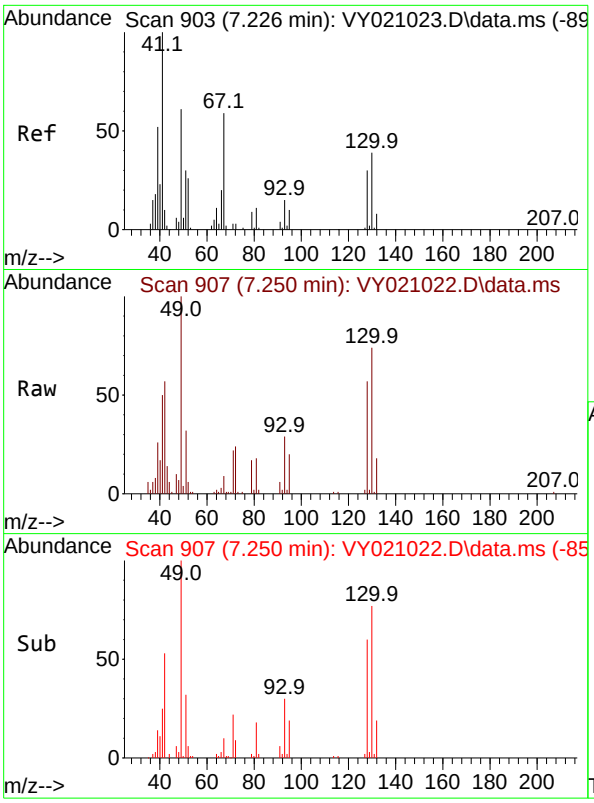


#40
Benzene
Concen: 21.027 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 78 Resp: 150967

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.2

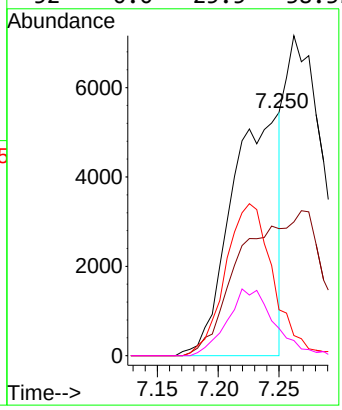




#41
Methacrylonitrile
Concen: 30.084 ug/l m
RT: 7.250 min Scan# 9
Delta R.T. 0.025 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 41 Resp: 1514

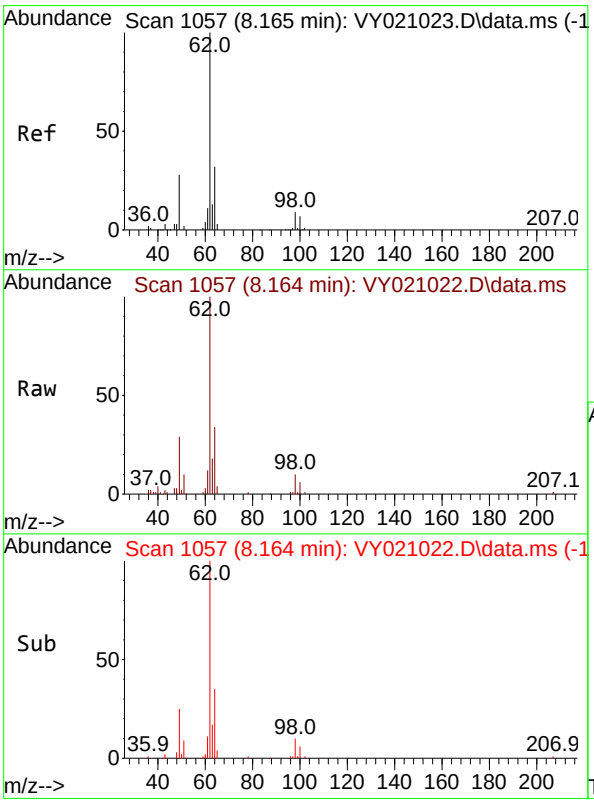
Ion	Ratio	Lower	Upper
41	100		
39	102.2	41.6	62.4#
67	0.0	63.8	95.6#
52	0.0	25.5	38.3#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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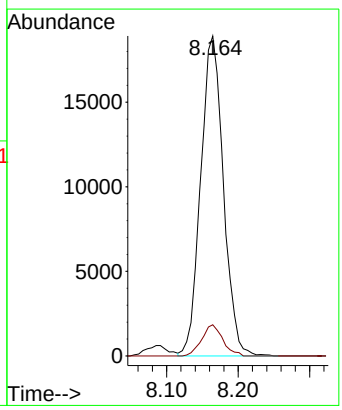
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

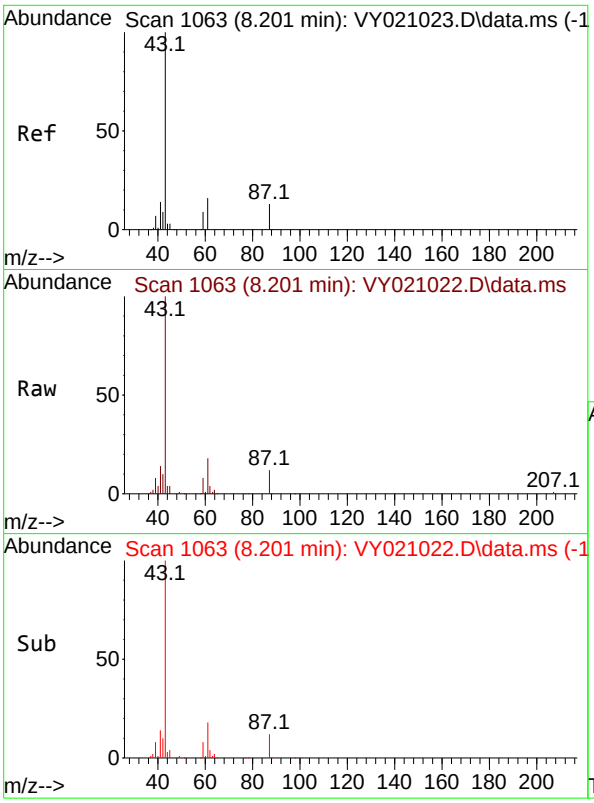


#42
1,2-Dichloroethane
Concen: 22.916 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 62 Resp: 41726

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.4





#43
Isopropyl Acetate
Concen: 25.040 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

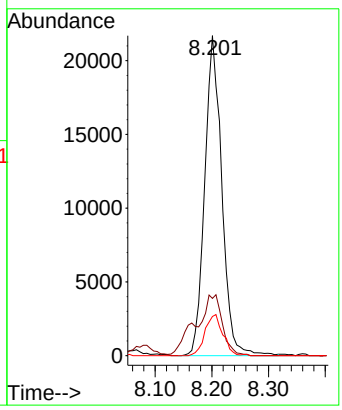
Tgt Ion: 43 Resp: 4550

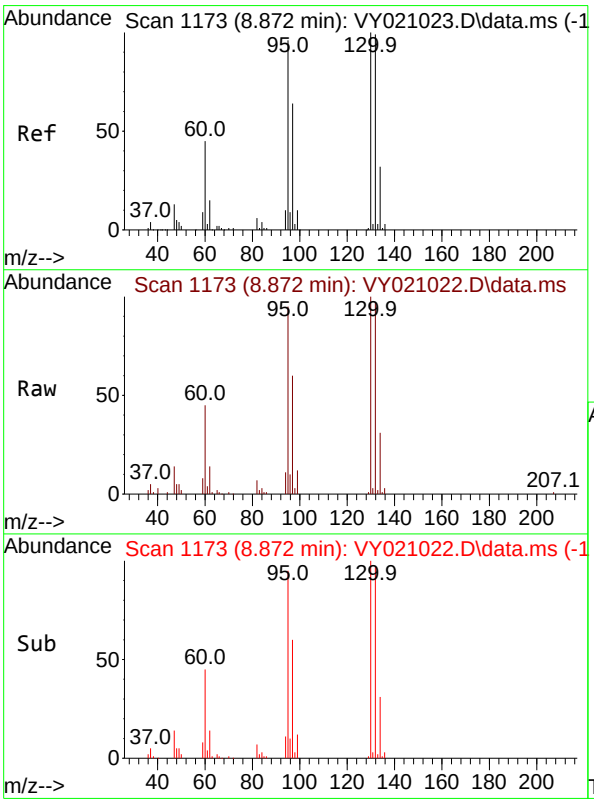
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.8	23.6
87	13.5	12.5	18.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

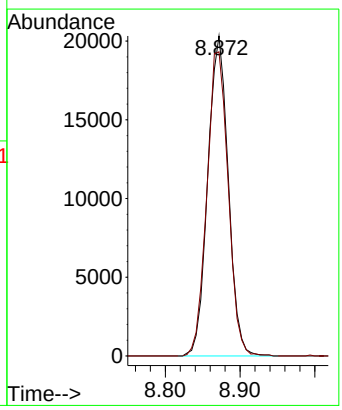


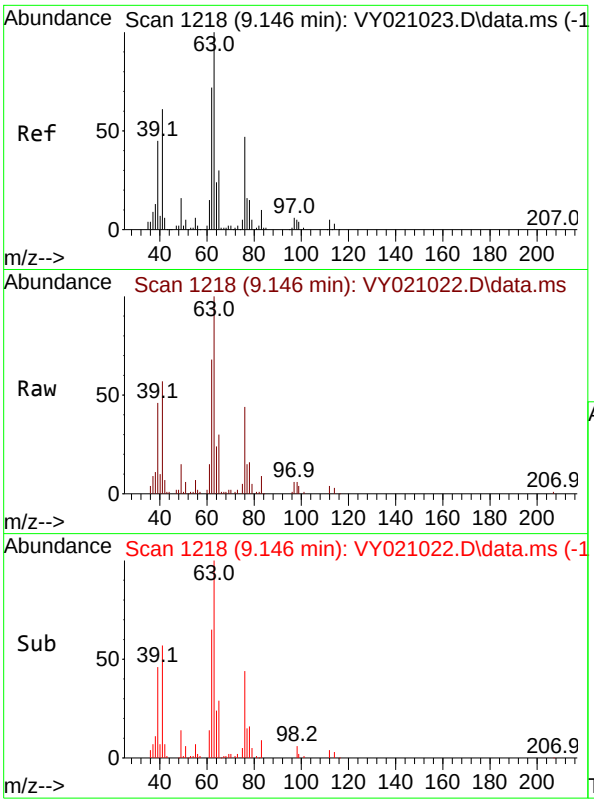


#44
Trichloroethene
Concen: 19.606 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:130 Resp: 38841

Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	189.6

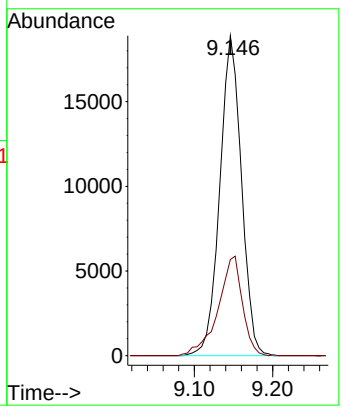




#45
1,2-Dichloropropane
Concen: 22.538 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 63 Resp: 3626

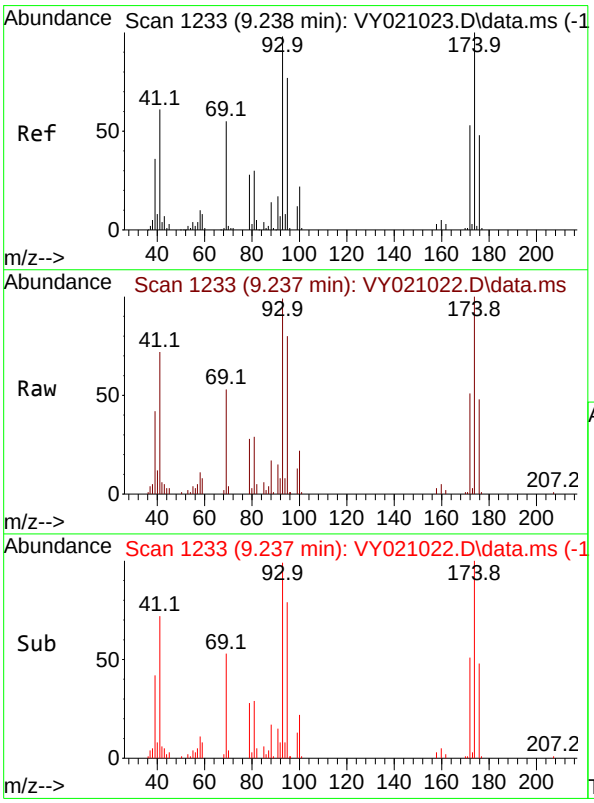
Ion	Ratio	Lower	Upper
63	100		
65	30.0	23.6	35.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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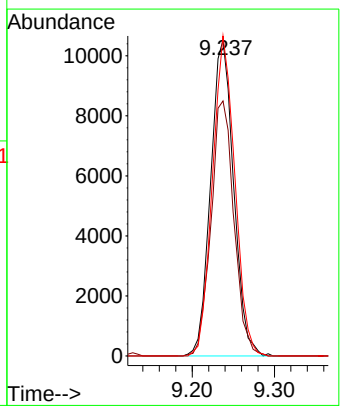
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

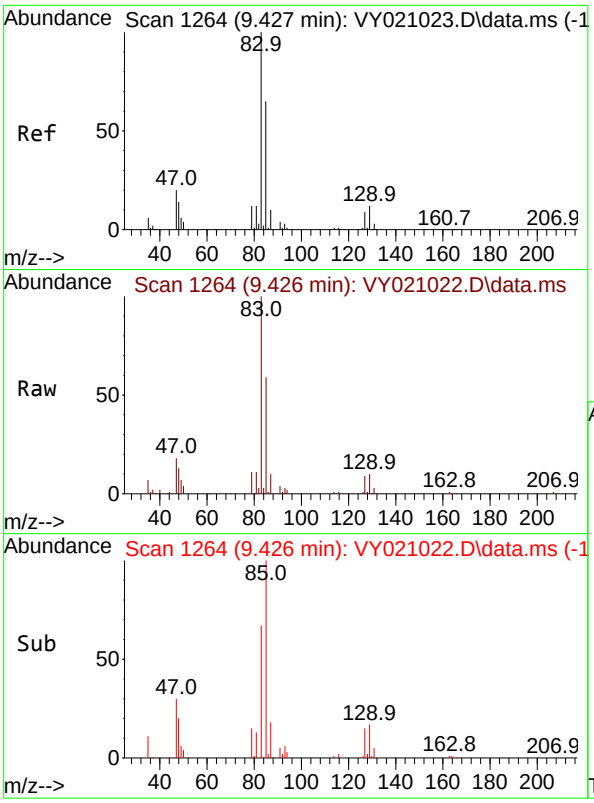


#46
Dibromomethane
Concen: 21.802 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 93 Resp: 20417

Ion	Ratio	Lower	Upper
93	100		
95	80.6	65.8	98.8
174	98.9	88.1	132.1

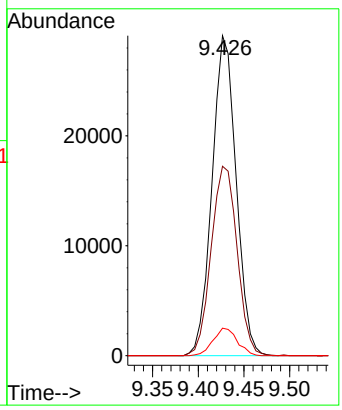




#47
Bromodichloromethane
Concen: 21.723 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 83 Resp: 5342

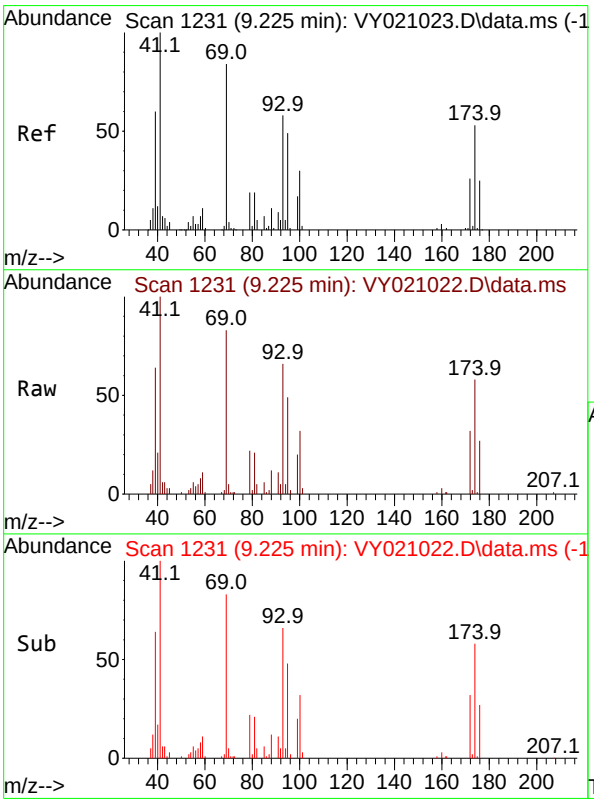
Ion	Ratio	Lower	Upper
83	100		
85	59.2	49.6	74.4
127	8.6	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

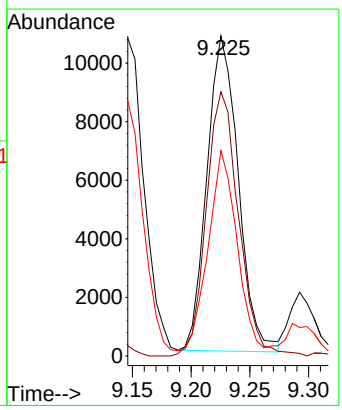
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

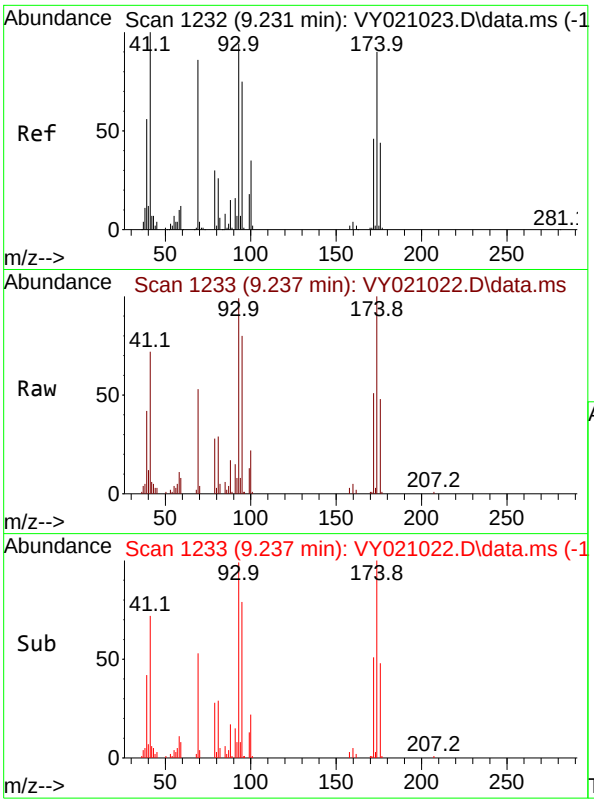


#48
Methyl methacrylate
Concen: 23.066 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 41 Resp: 19957

Ion	Ratio	Lower	Upper
41	100		
69	86.6	75.6	113.4
39	58.1	41.3	61.9

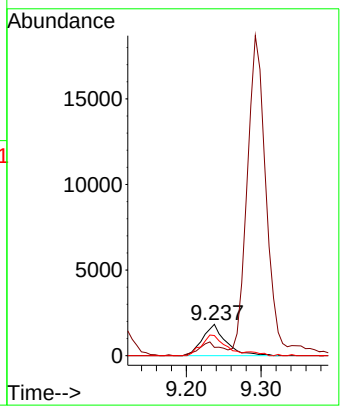




#49
1,4-Dioxane
Concen: 395.839 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 88 Resp: 393

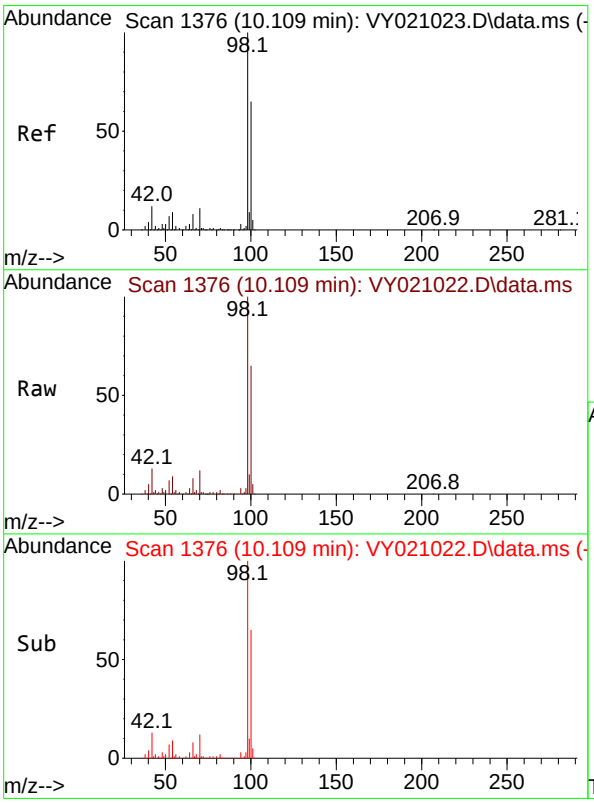
Ion	Ratio	Lower	Upper
88	100		
43	40.0	24.2	36.4
58	66.2	57.3	85.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

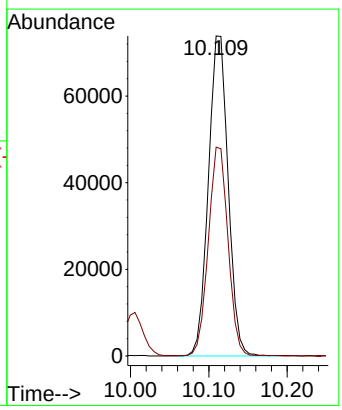
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

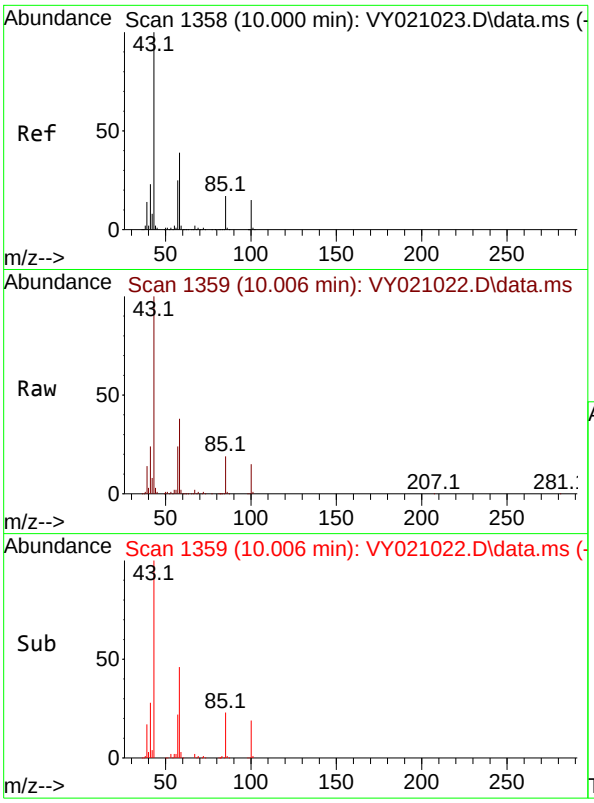


#50
Toluene-d8
Concen: 19.423 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 98 Resp: 129662

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	79.0

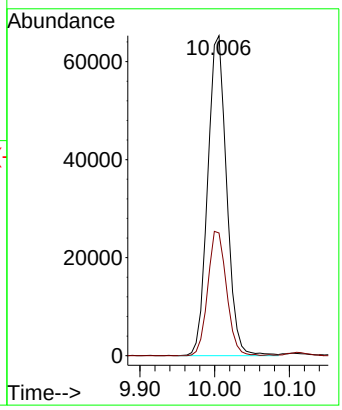




#51
4-Methyl-2-Pentanone
Concen: 122.983 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 11484

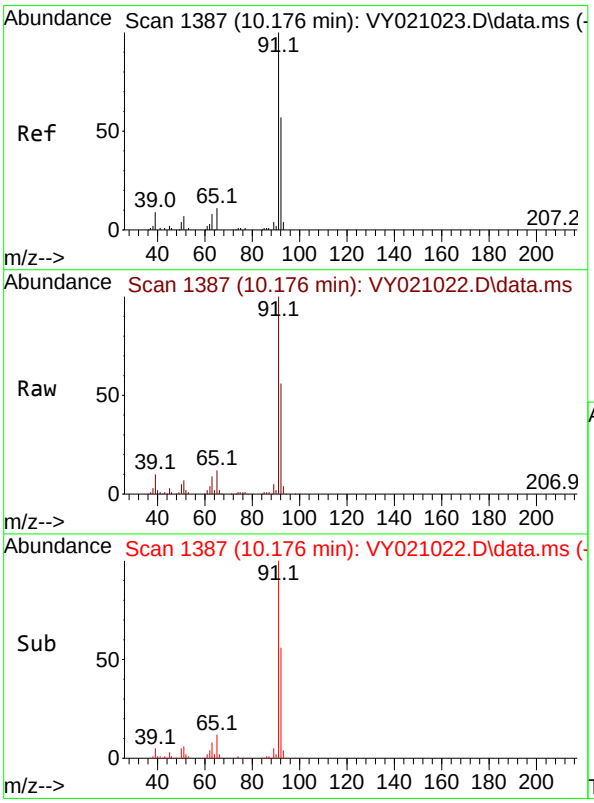
Ion	Ratio	Lower	Upper
43	100		
58	38.6	33.8	50.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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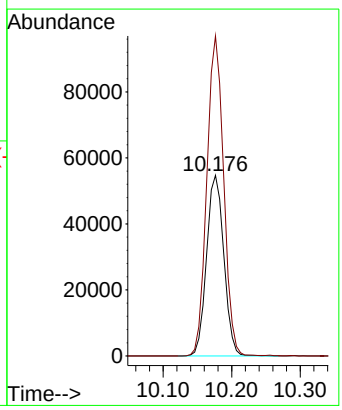
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

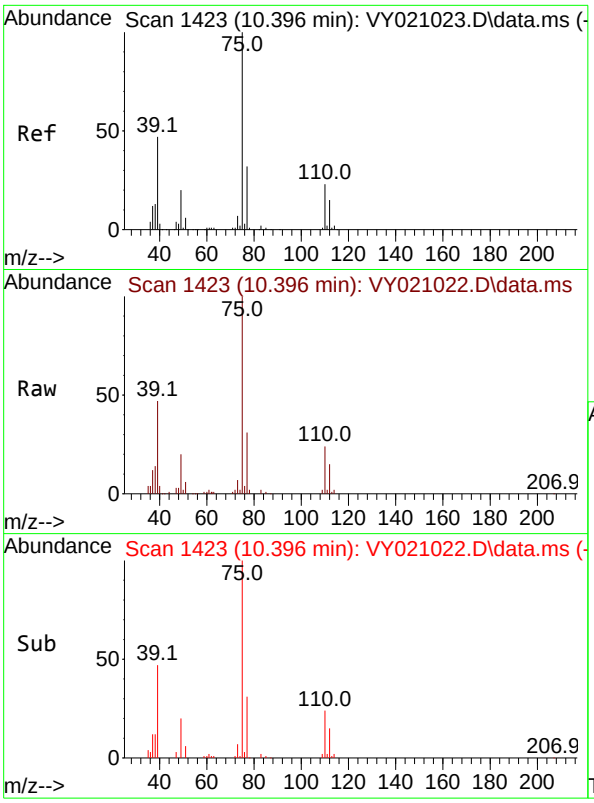


#52
Toluene
Concen: 20.517 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 92 Resp: 95614

Ion	Ratio	Lower	Upper
92	100		
91	172.9	135.8	203.8

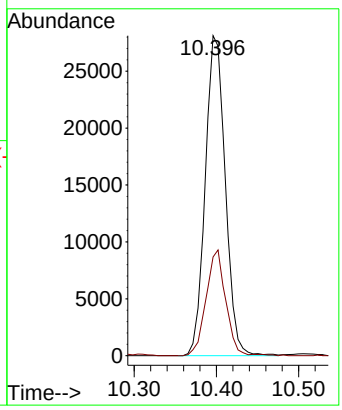




#53
t-1,3-Dichloropropene
Concen: 21.429 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 4769

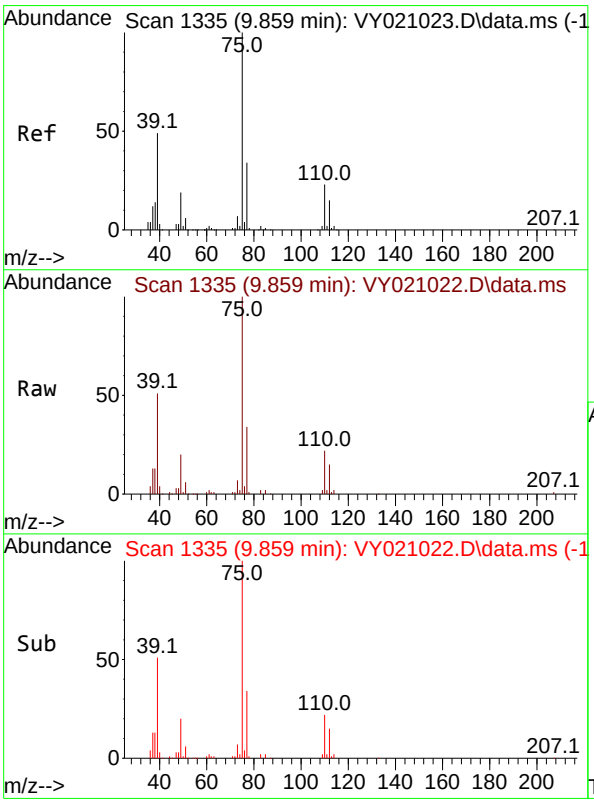
Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

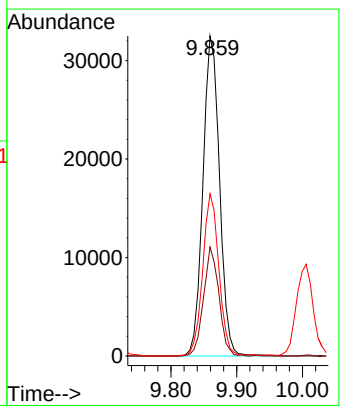
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

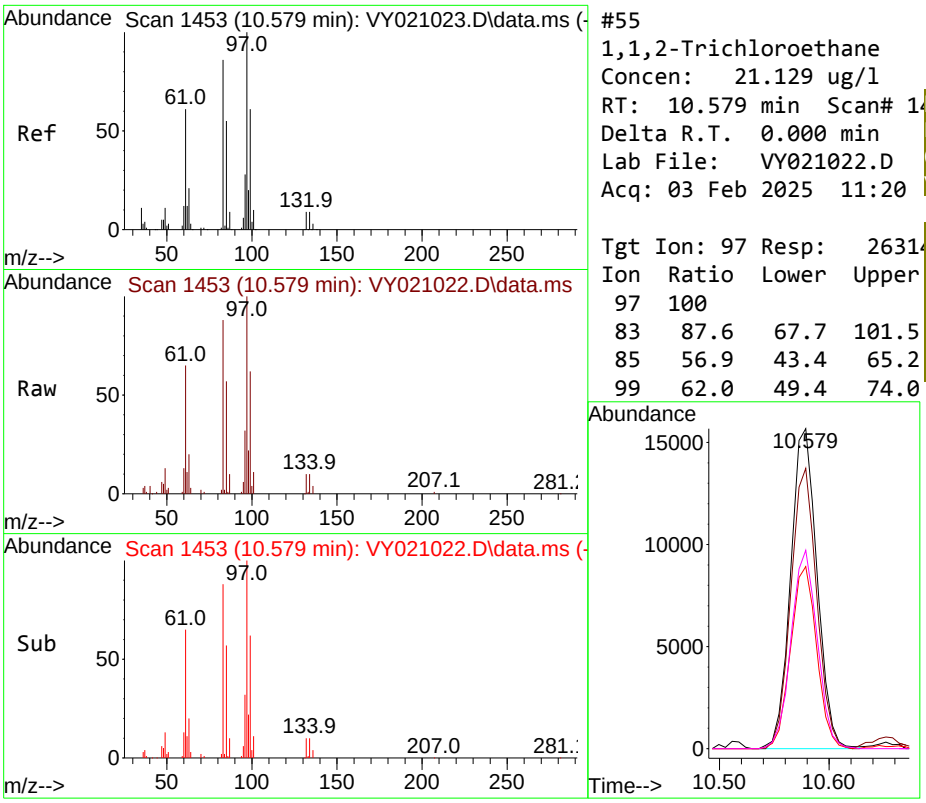


#54
cis-1,3-Dichloropropene
Concen: 21.469 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 57105

Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.4	38.0
39	50.6	32.2	48.2#





#55
1,1,2-Trichloroethane
Concen: 21.129 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

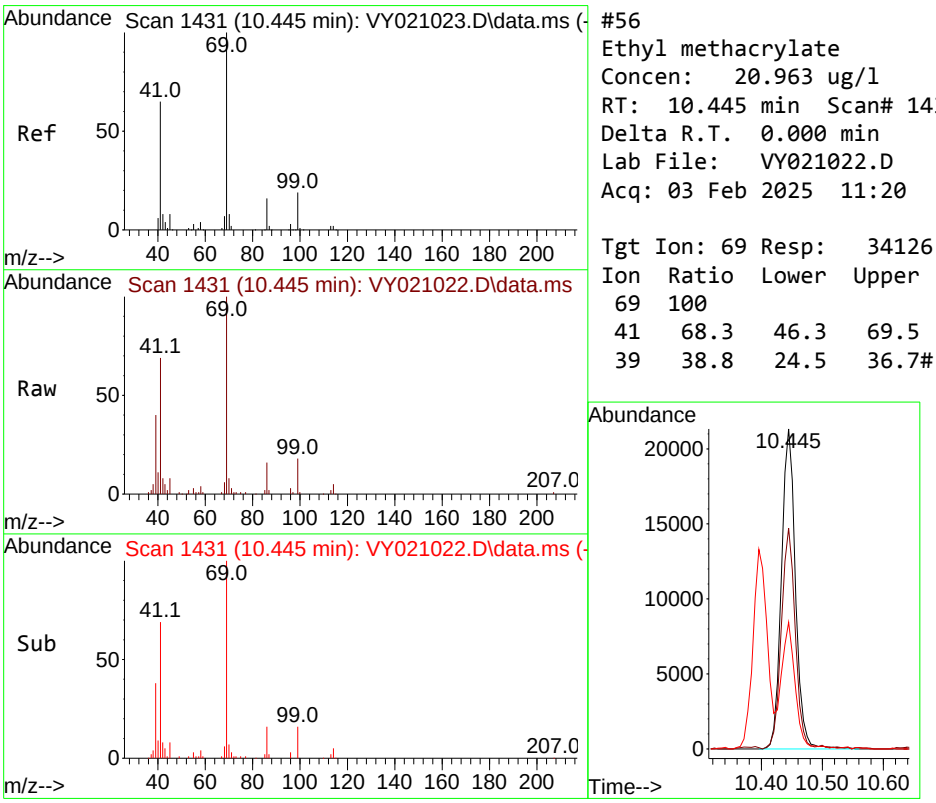
Tgt Ion: 97 Resp: 2631

Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.7	101.5
85	56.9	43.4	65.2
99	62.0	49.4	74.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

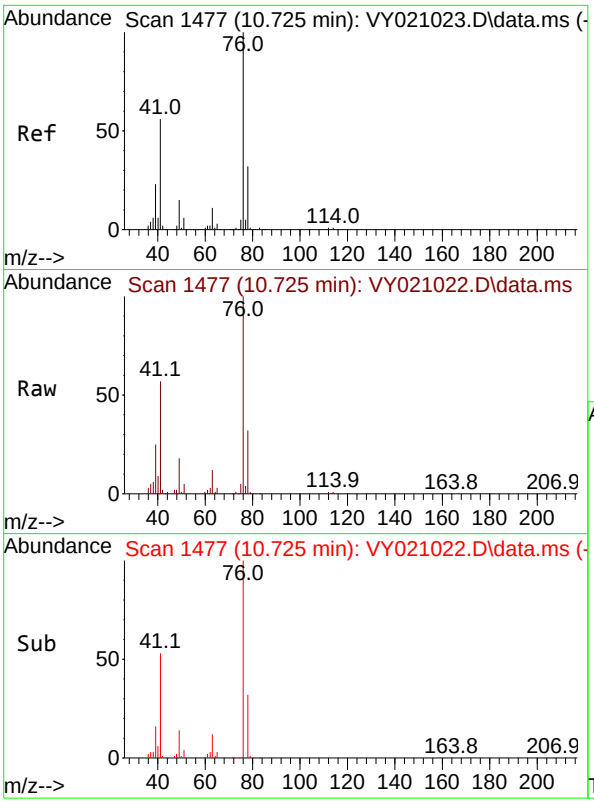
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#56
Ethyl methacrylate
Concen: 20.963 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 69 Resp: 34126

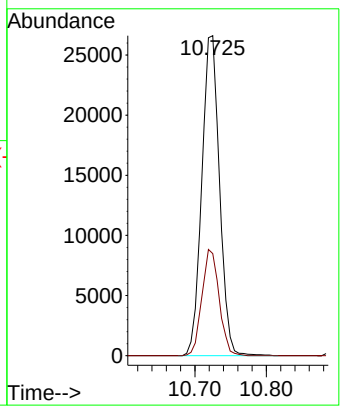
Ion	Ratio	Lower	Upper
69	100		
41	68.3	46.3	69.5
39	38.8	24.5	36.7#



#57
1,3-Dichloropropane
Concen: 21.690 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 76 Resp: 4578

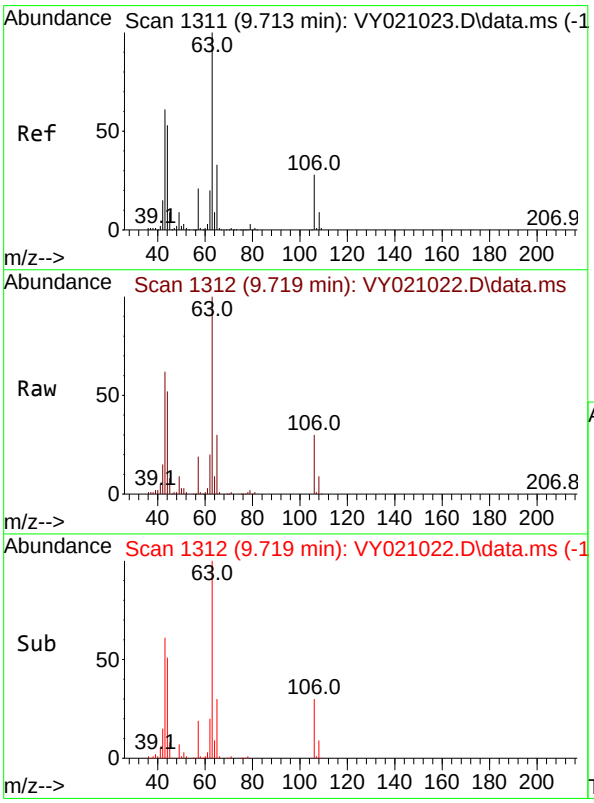
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

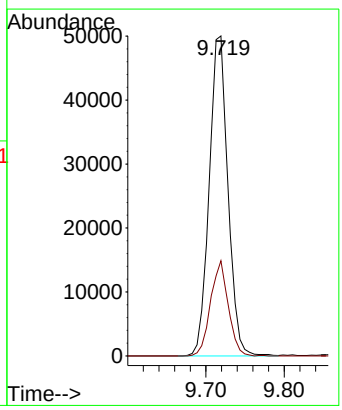
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

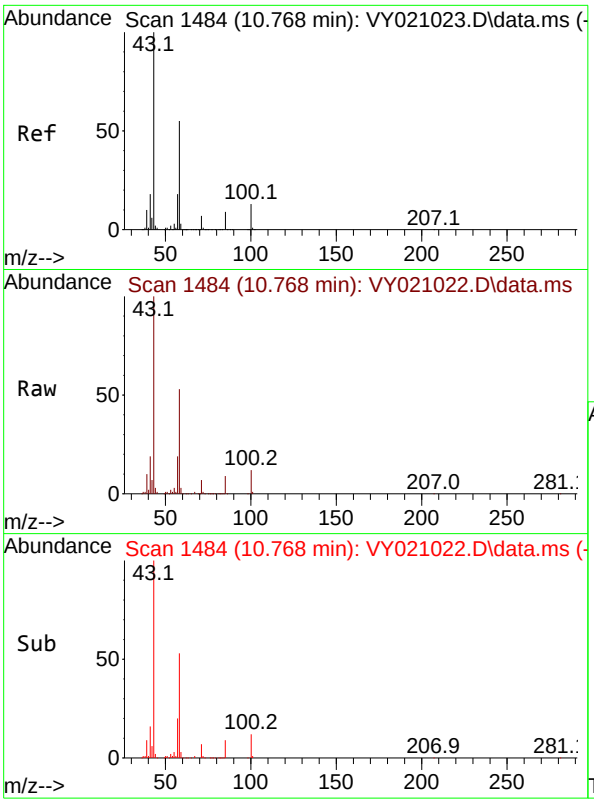


#58
2-Chloroethyl Vinyl ether
Concen: 120.208 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 63 Resp: 83057

Ion	Ratio	Lower	Upper
63	100		
106	28.1	24.7	37.1

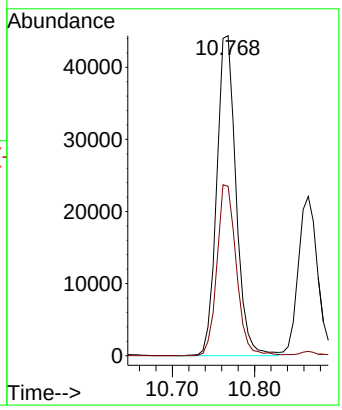




#59
2-Hexanone
Concen: 119.535 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 7255

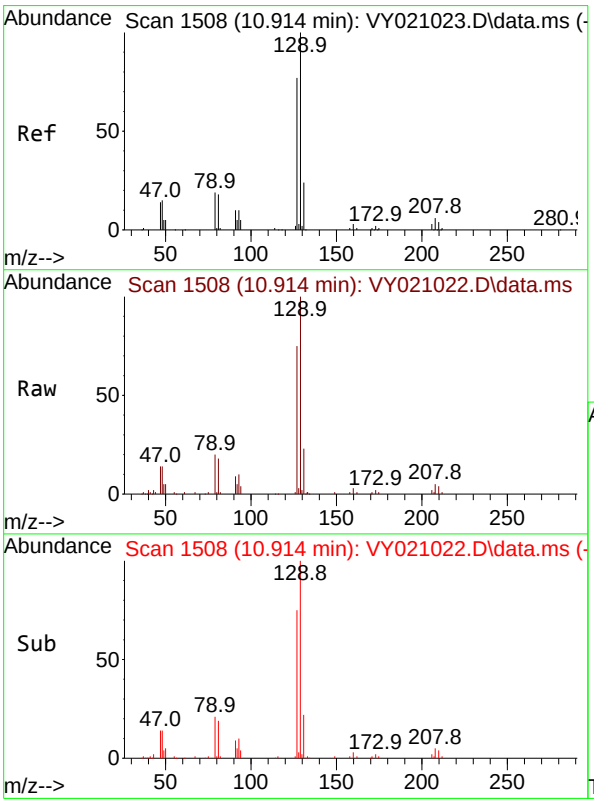
Ion	Ratio	Lower	Upper
43	100		
58	53.6	29.8	89.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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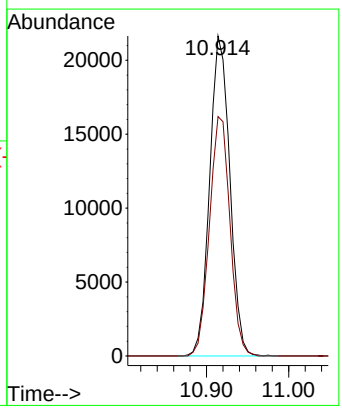
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

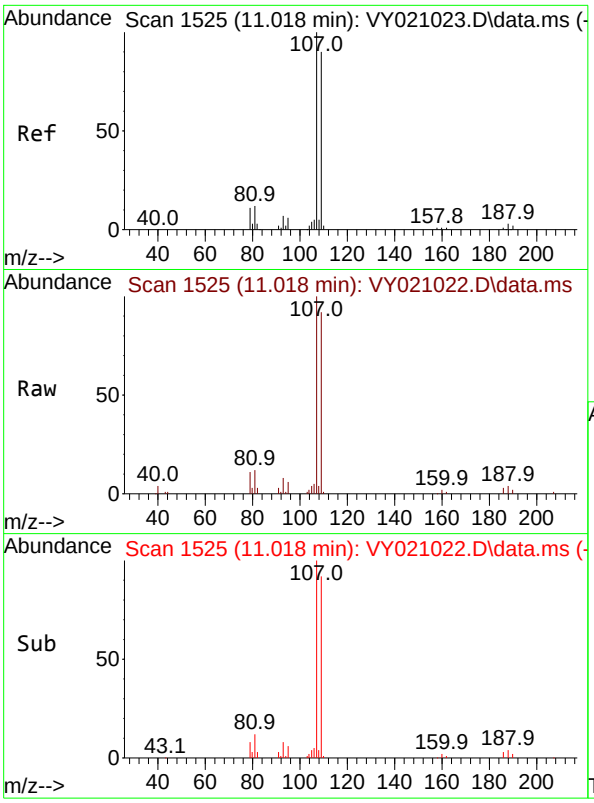


#60
Dibromochloromethane
Concen: 20.754 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:129 Resp: 36853

Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.5	115.3





#61
1,2-Dibromoethane
Concen: 20.600 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

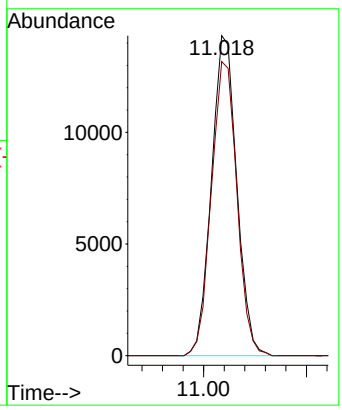
Tgt Ion:107 Resp: 2450

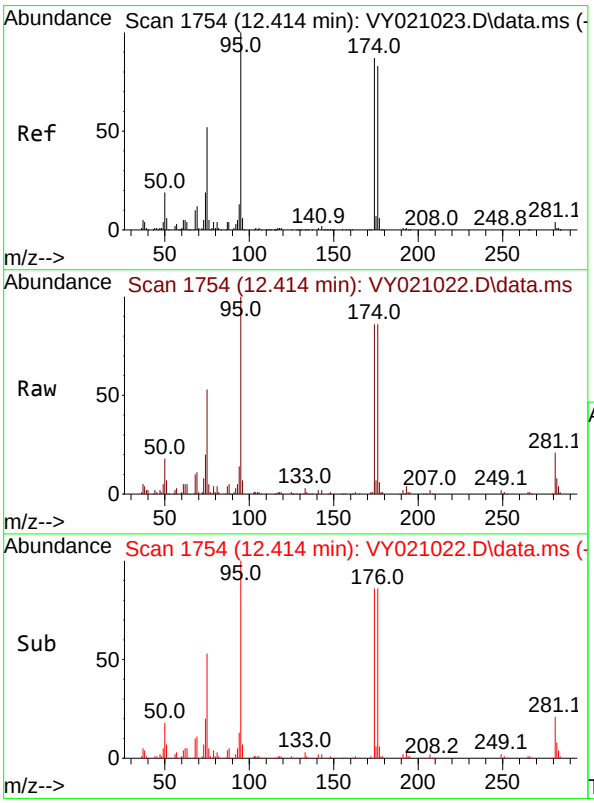
Ion	Ratio	Lower	Upper
107	100		
109	92.5	76.6	114.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

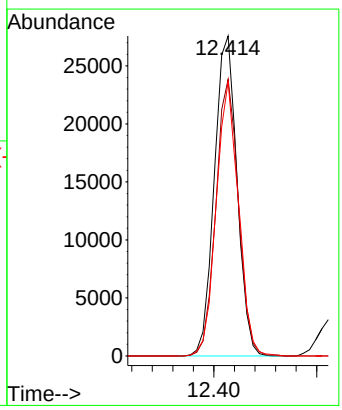


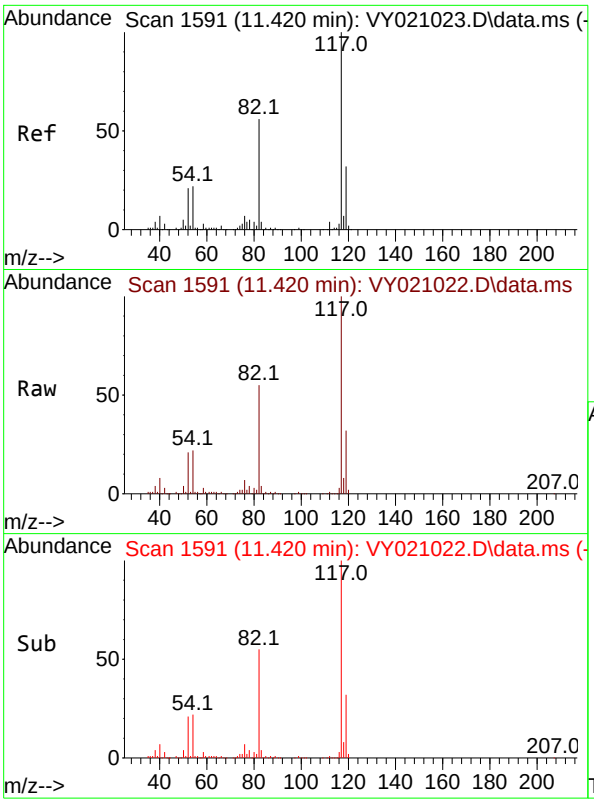


#62
4-Bromofluorobenzene
Concen: 18.831 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 95 Resp: 42182

Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	181.2
176	84.1	0.0	175.2

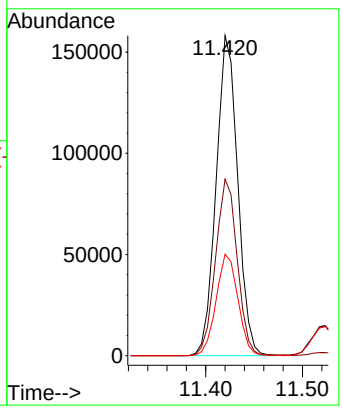




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:117 Resp: 24459

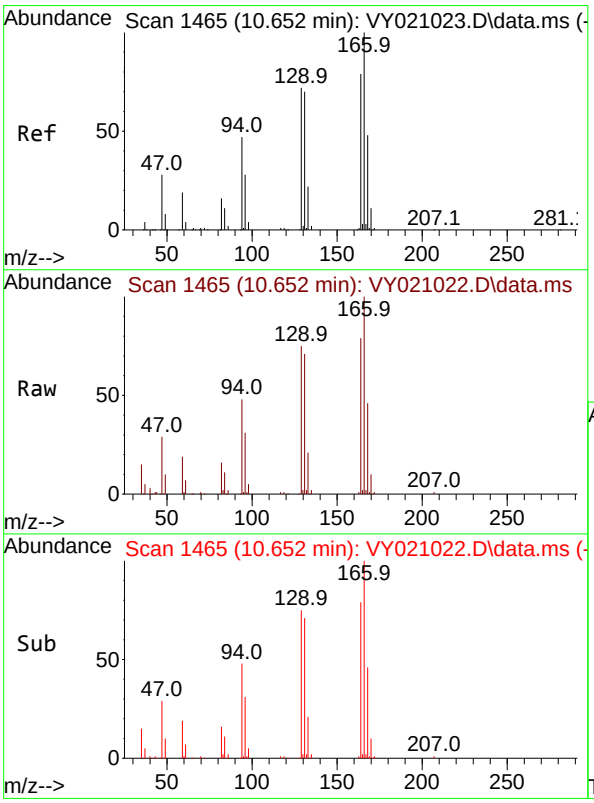
Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.2	66.2
119	31.7	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

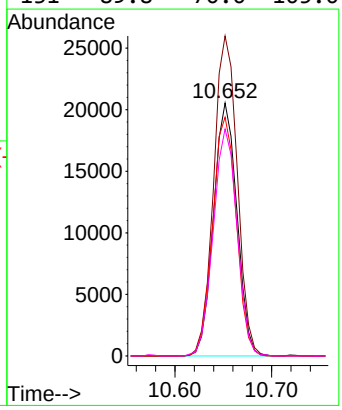
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

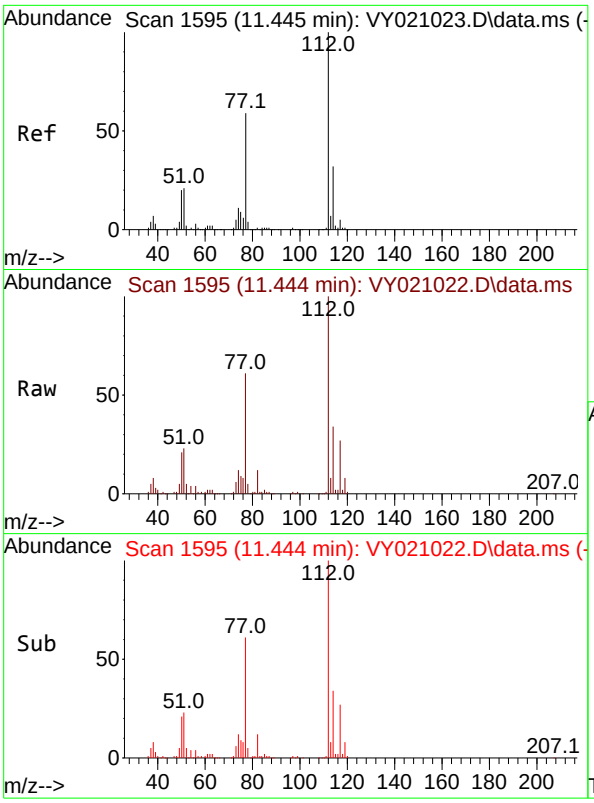


#64
Tetrachloroethene
Concen: 18.655 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:164 Resp: 34418

Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.4	150.6
129	94.4	70.8	106.2
131	89.8	70.0	105.0

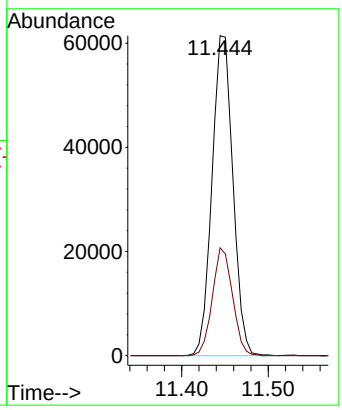




#65
Chlorobenzene
Concen: 20.015 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:112 Resp: 10314

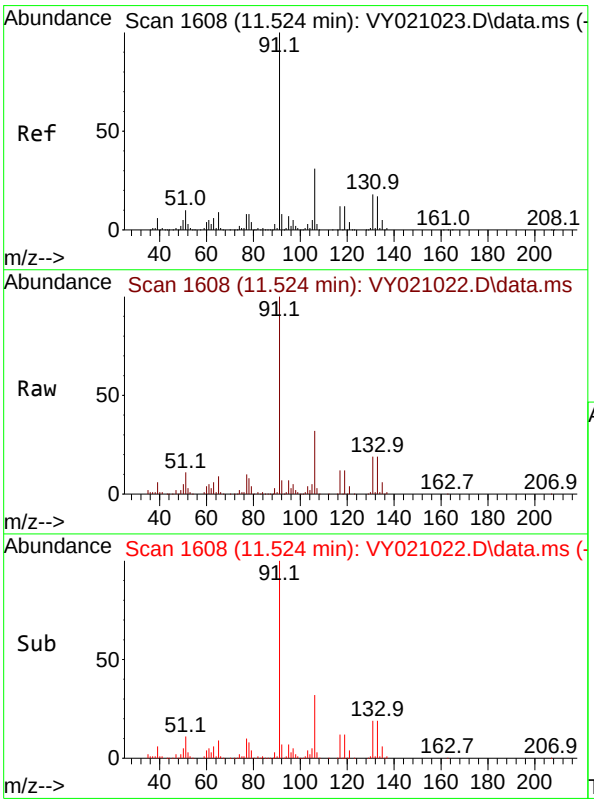
Ion	Ratio	Lower	Upper
112	100		
114	33.7	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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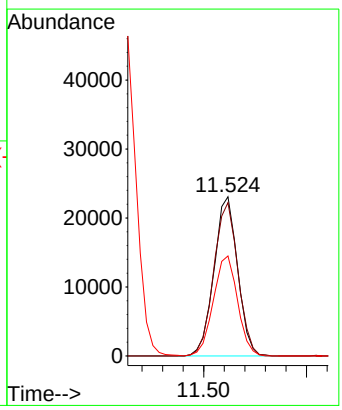
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

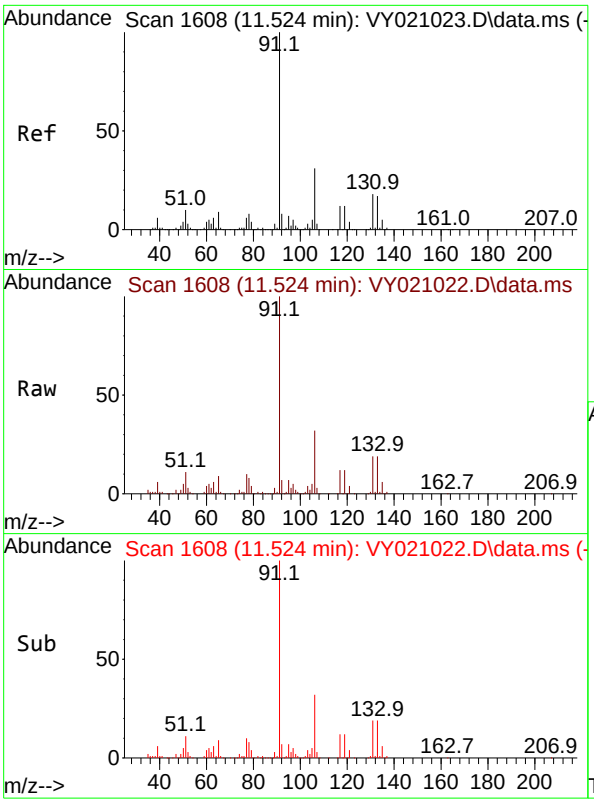


#66
1,1,1,2-Tetrachloroethane
Concen: 20.130 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:131 Resp: 36817

Ion	Ratio	Lower	Upper
131	100		
133	98.5	48.7	146.1
119	64.4	31.4	94.3

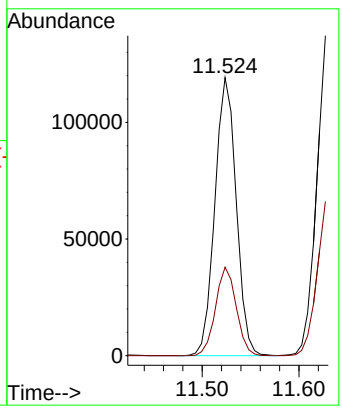




#67
Ethyl Benzene
Concen: 20.446 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 18243

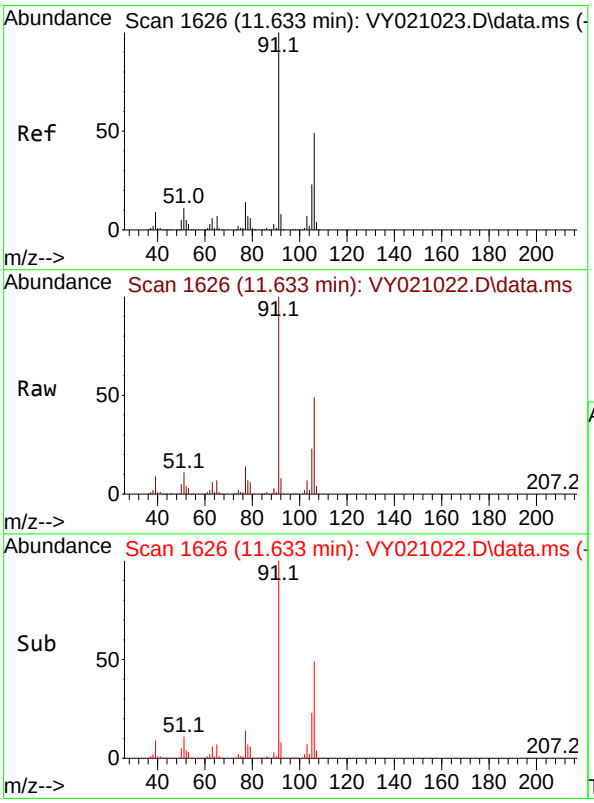
Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

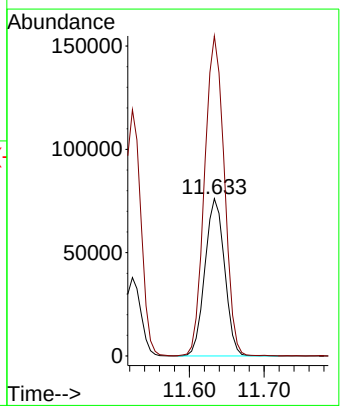
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

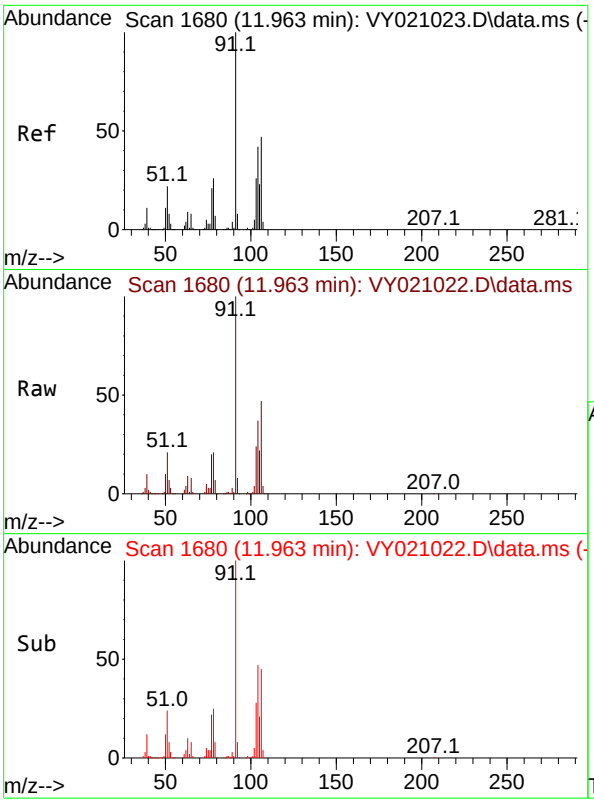


#68
m/p-Xylenes
Concen: 40.497 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:106 Resp: 138826

Ion	Ratio	Lower	Upper
106	100		
91	204.4	160.0	240.0





#69
o-Xylene
Concen: 20.276 ug/l
RT: 11.963 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

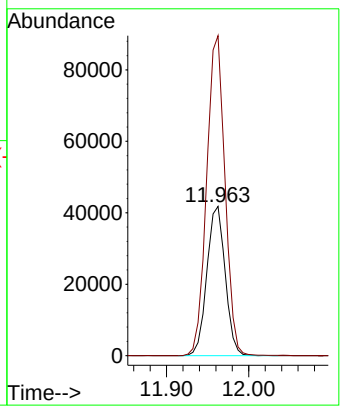
Tgt Ion:106 Resp: 6461(

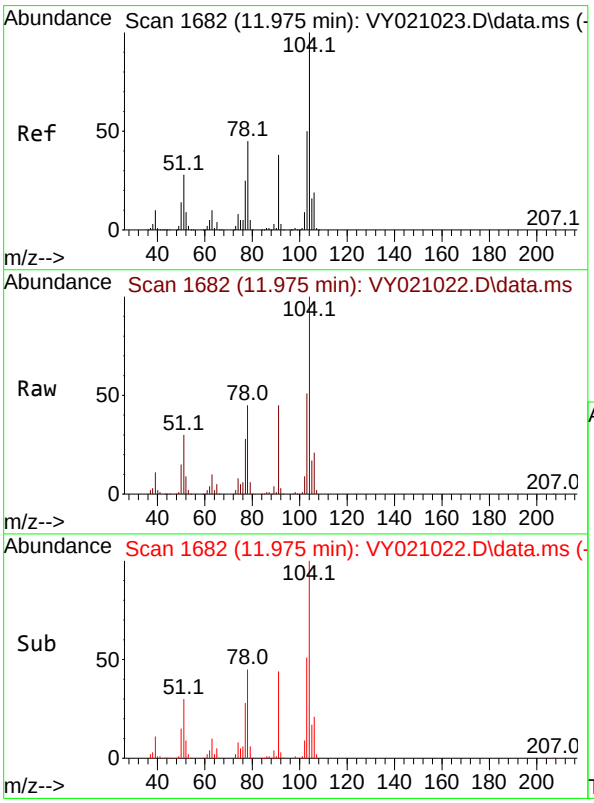
Ion	Ratio	Lower	Upper
106	100		
91	214.7	105.8	317.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

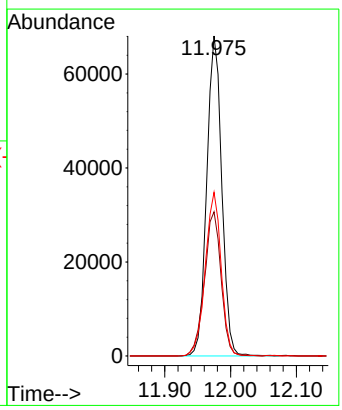


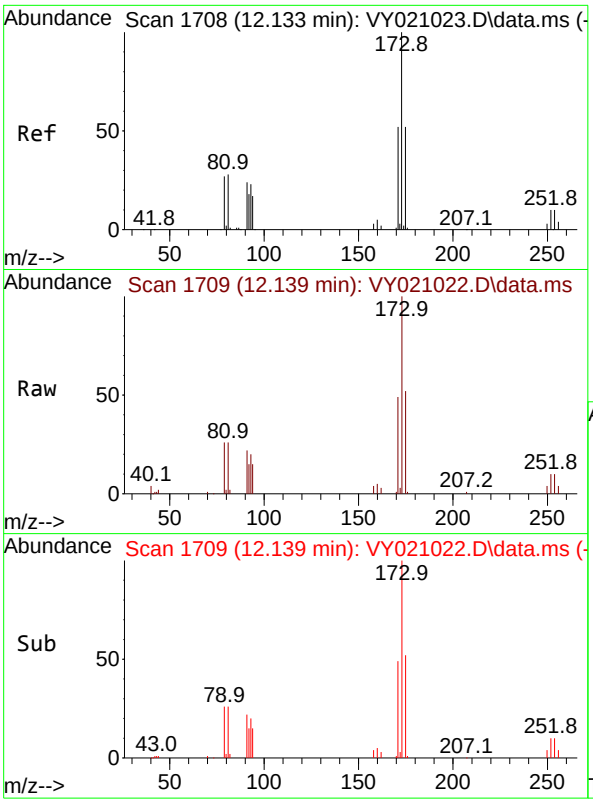


#70
Styrene
Concen: 20.439 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:104 Resp: 108143

Ion	Ratio	Lower	Upper
104	100		
78	49.9	39.0	58.4
103	54.2	43.7	65.5

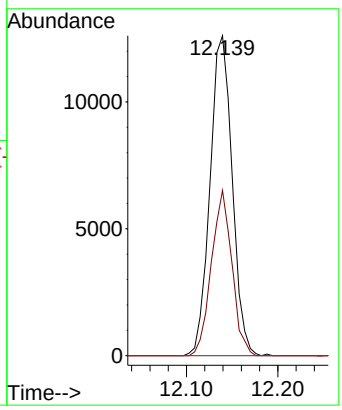




#71
Bromoform
Concen: 19.718 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:173 Resp: 2125

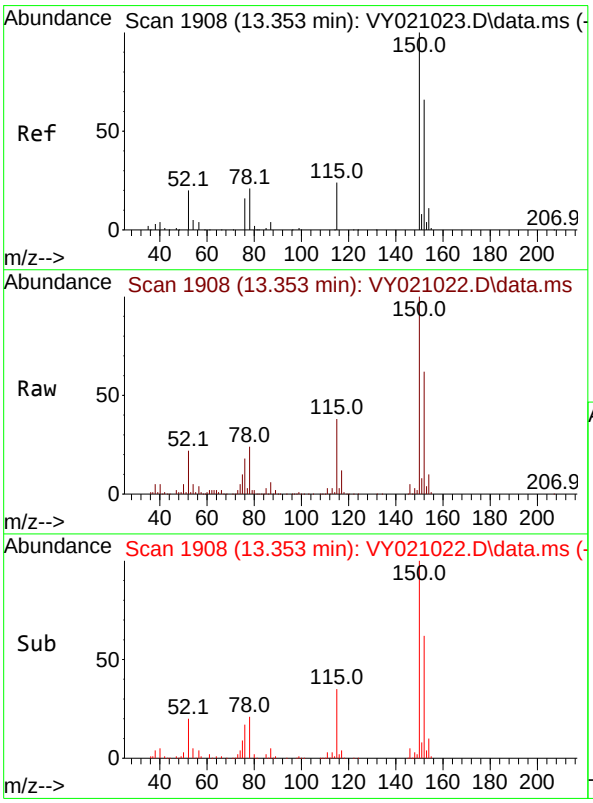
Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

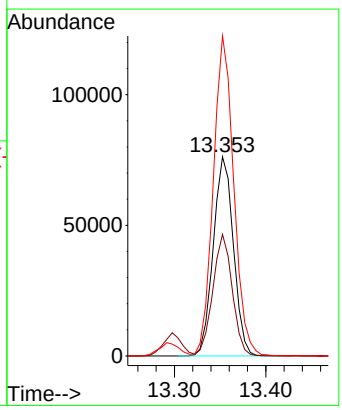
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

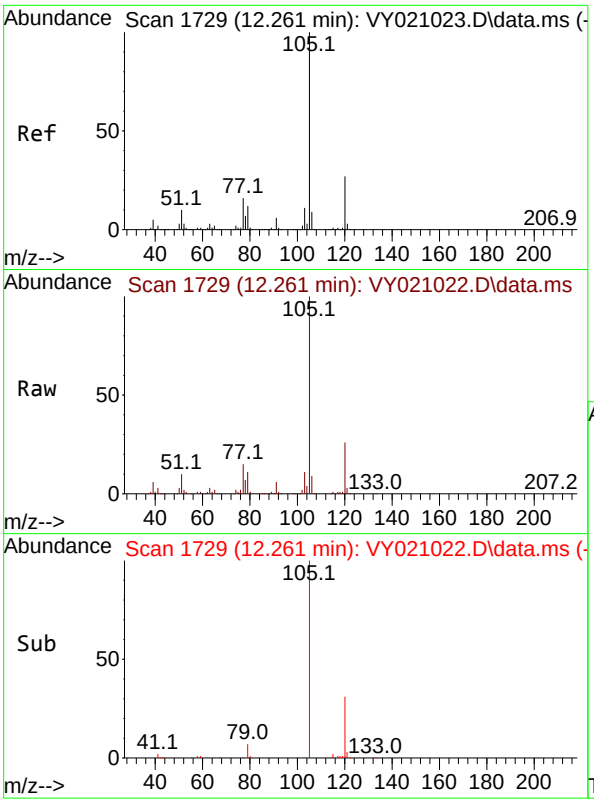


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:152 Resp: 116948

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.4	85.2
150	162.9	0.0	342.8

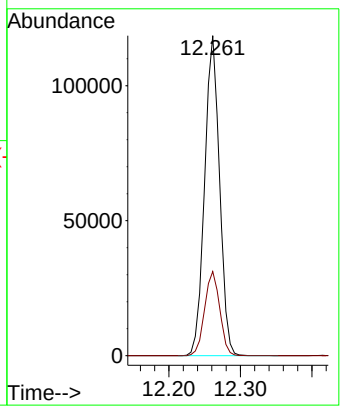




#73
Isopropylbenzene
Concen: 20.921 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 17183

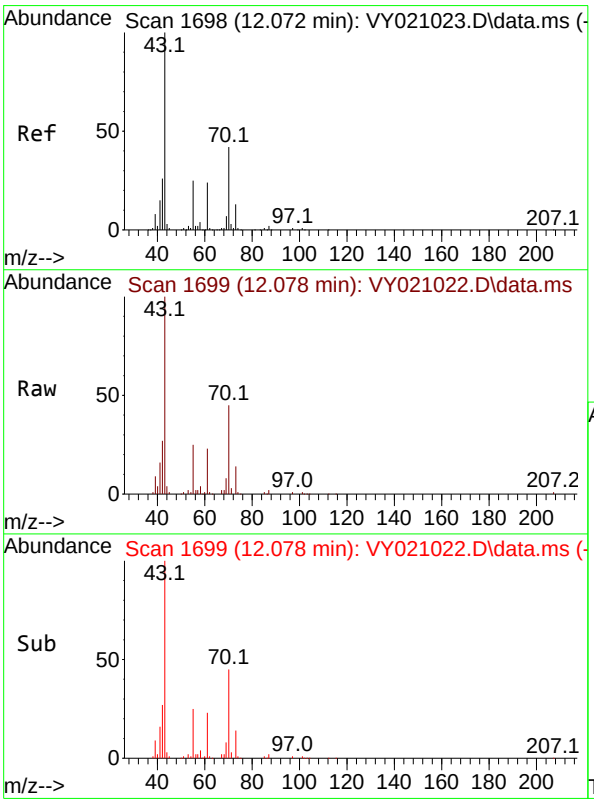
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

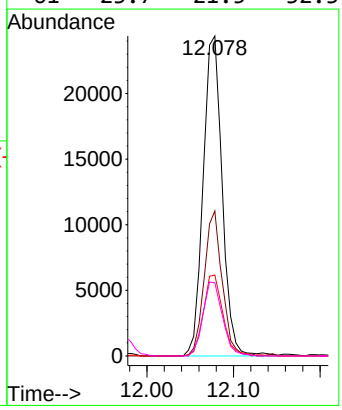
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

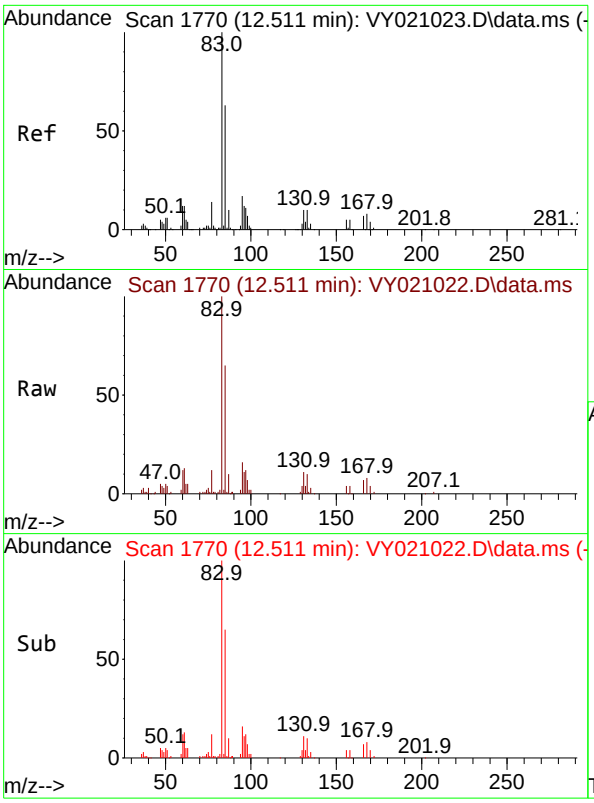


#74
N-amyl acetate
Concen: 24.896 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 37235

Ion	Ratio	Lower	Upper
43	100		
70	42.5	39.3	58.9
55	26.1	22.3	33.5
61	23.7	21.5	32.3

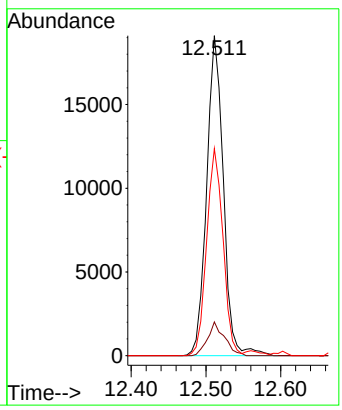




#75
1,1,2,2-Tetrachloroethane
Concen: 22.410 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 83 Resp: 2971

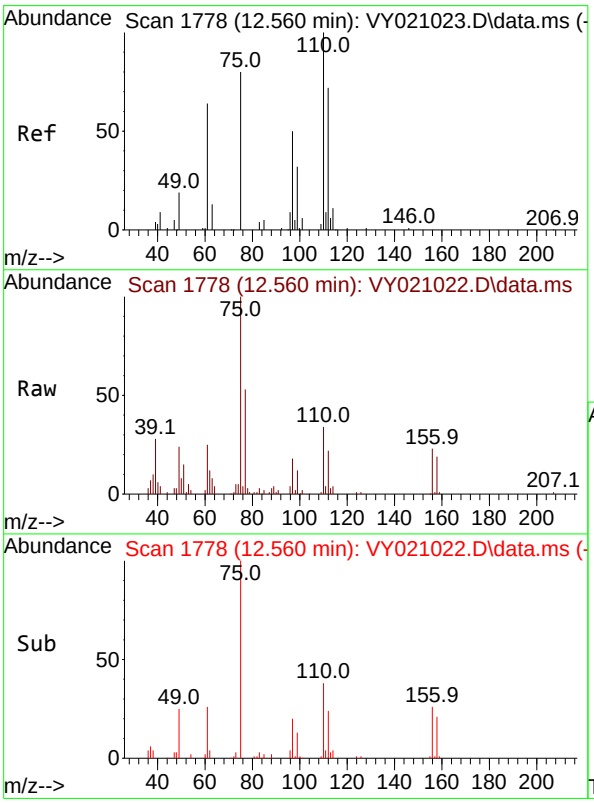
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.7	17.1
85	63.4	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

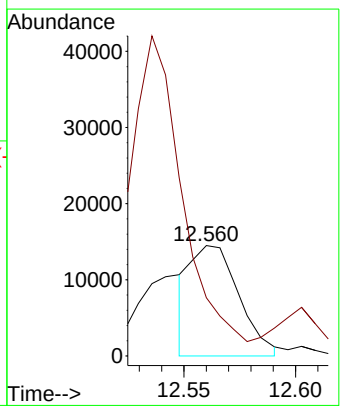
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

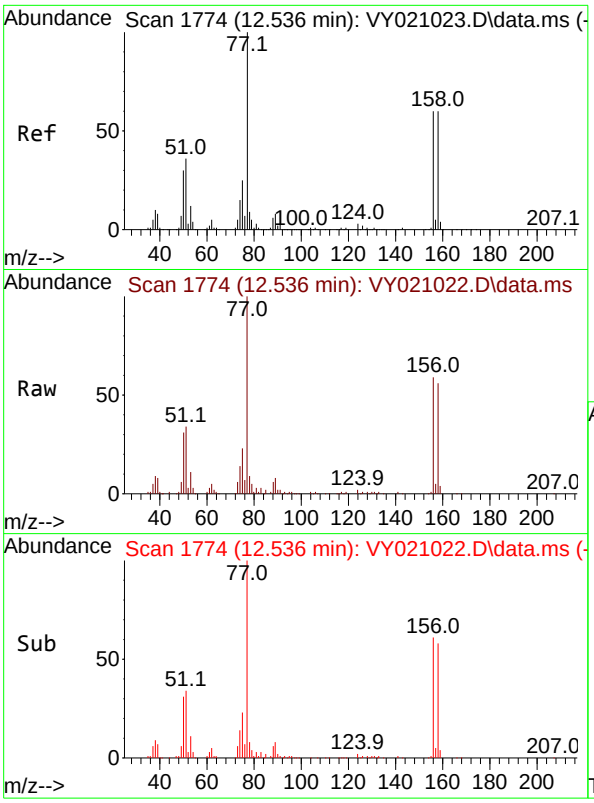


#76
1,2,3-Trichloropropane
Concen: 23.712 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 21952

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

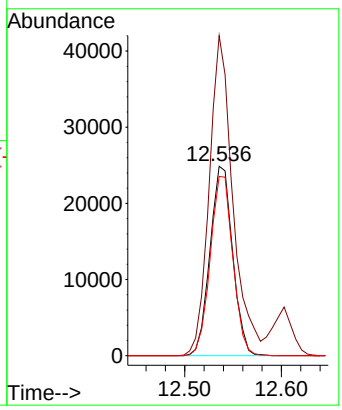




#77
Bromobenzene
Concen: 20.793 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:156 Resp: 4049

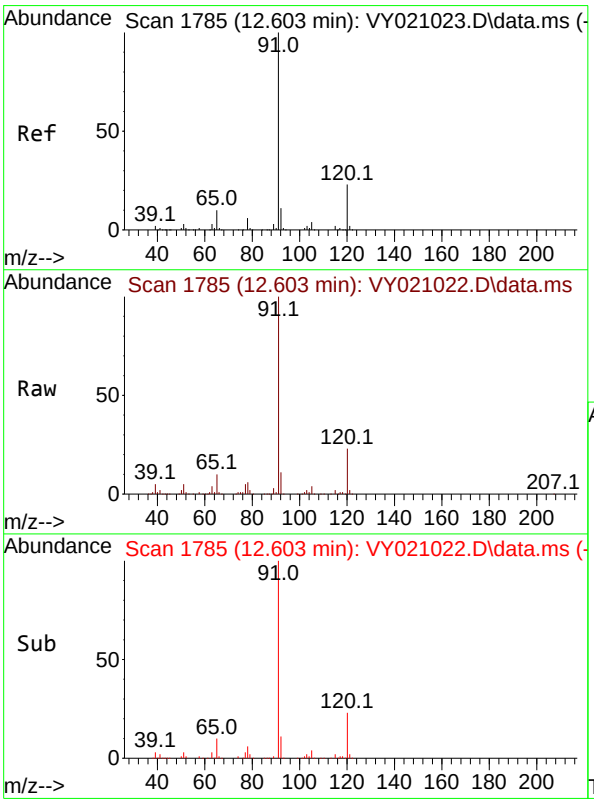
Ion	Ratio	Lower	Upper
156	100		
77	176.3	83.3	249.9
158	94.6	48.3	144.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

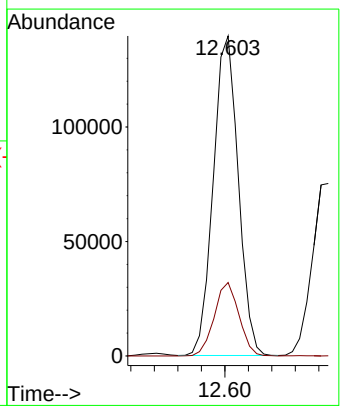
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

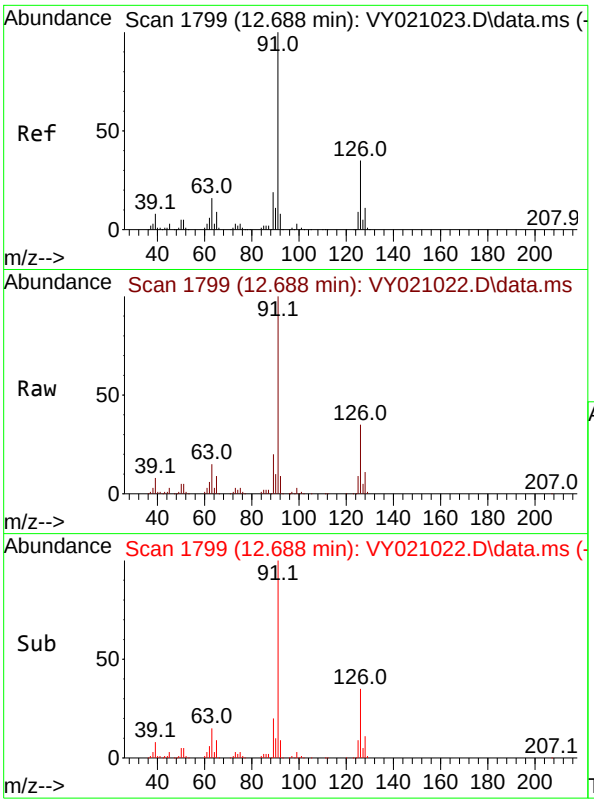


#78
n-propylbenzene
Concen: 21.429 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 206279

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.8	35.4

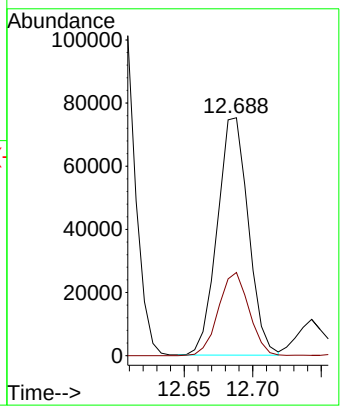




#79
2-Chlorotoluene
Concen: 21.638 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 11867

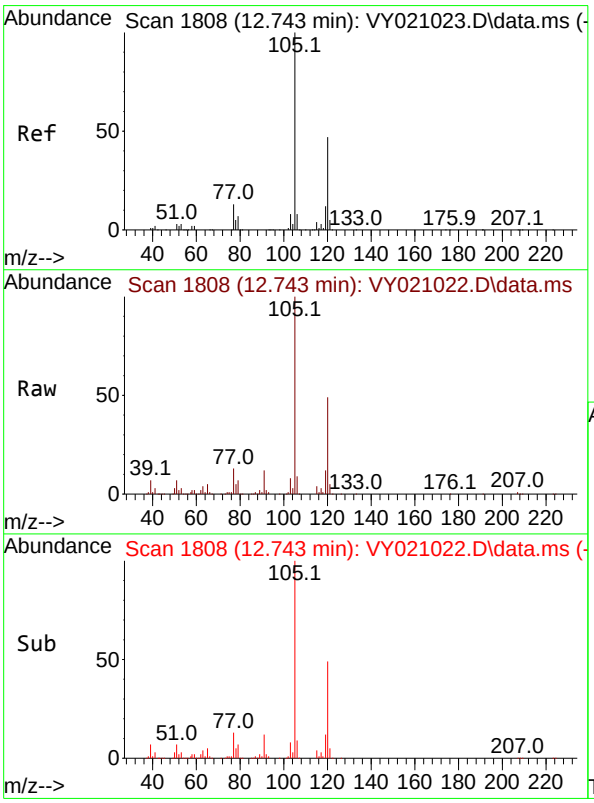
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	51.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

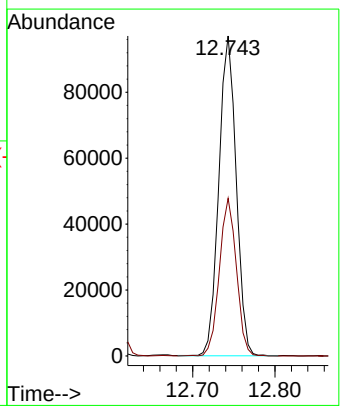
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

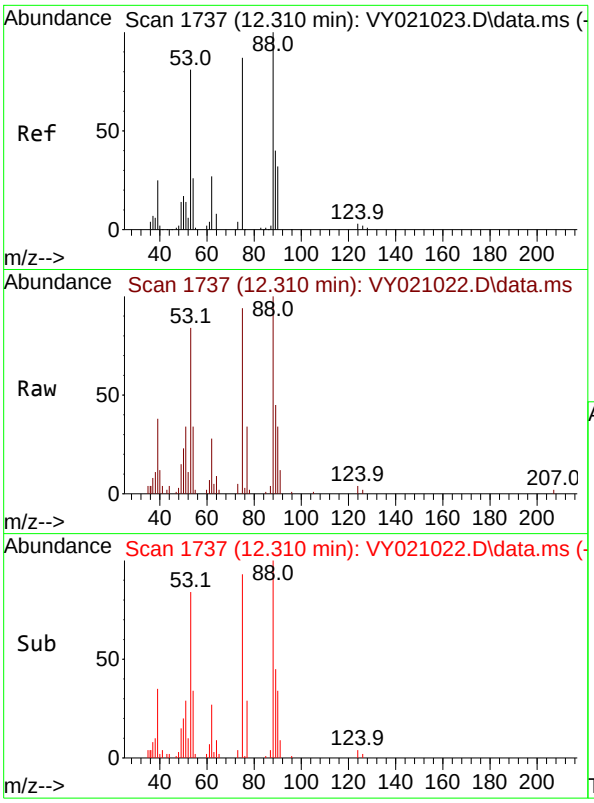


#80
1,3,5-Trimethylbenzene
Concen: 21.150 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 142319

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	72.9

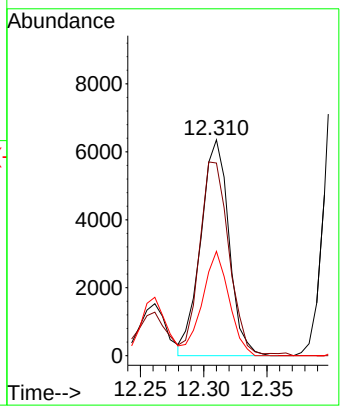




#81
trans-1,4-Dichloro-2-butene
Concen: 22.135 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 987

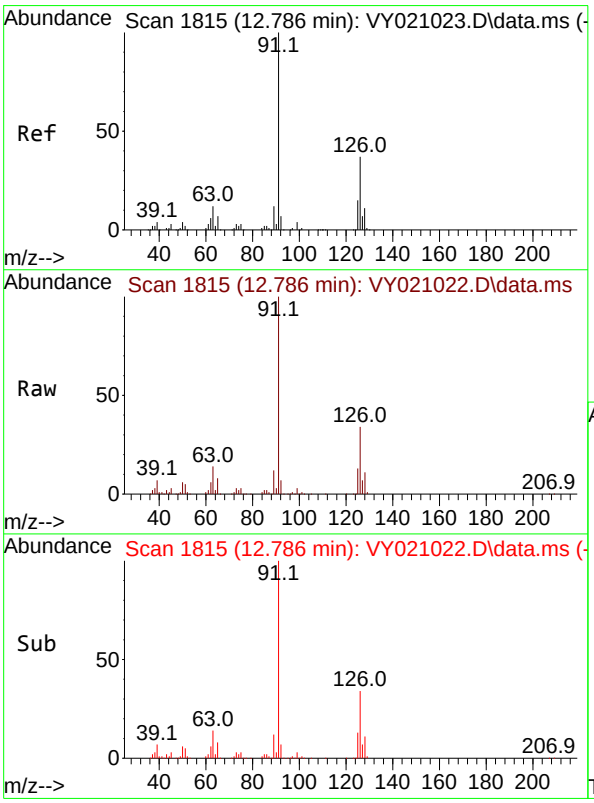
Ion	Ratio	Lower	Upper
75	100		
53	94.1	68.6	103.0
89	46.0	38.1	57.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

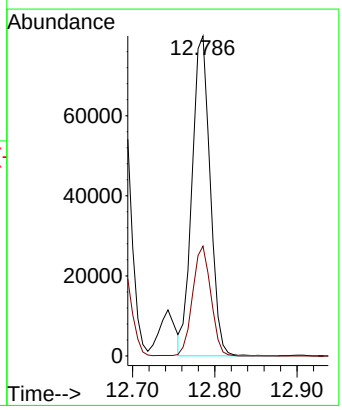
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

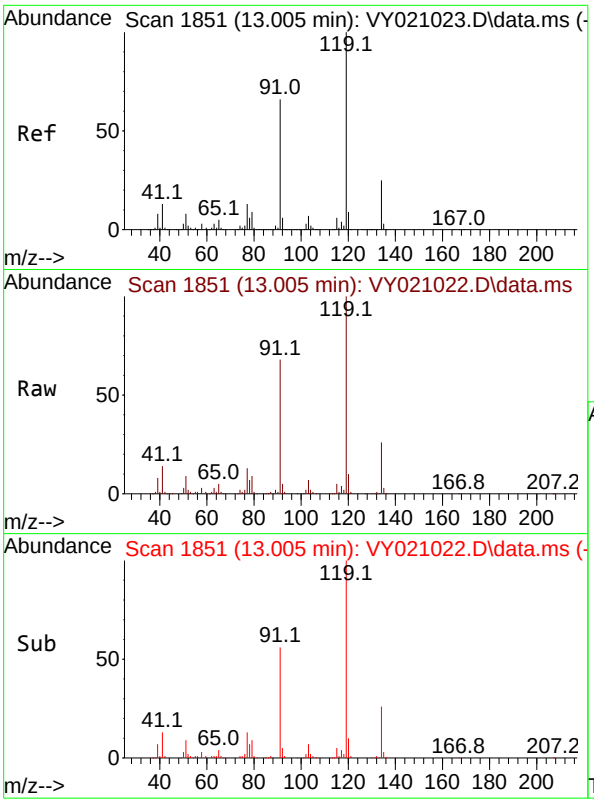


#82
4-Chlorotoluene
Concen: 21.712 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 121872

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0

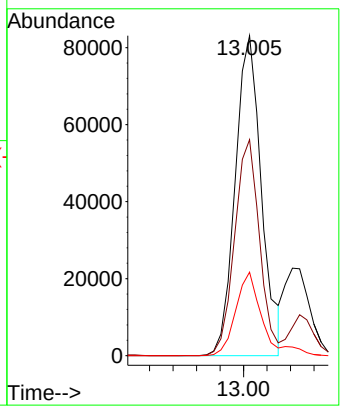




#83
tert-Butylbenzene
Concen: 20.651 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:119 Resp: 12888

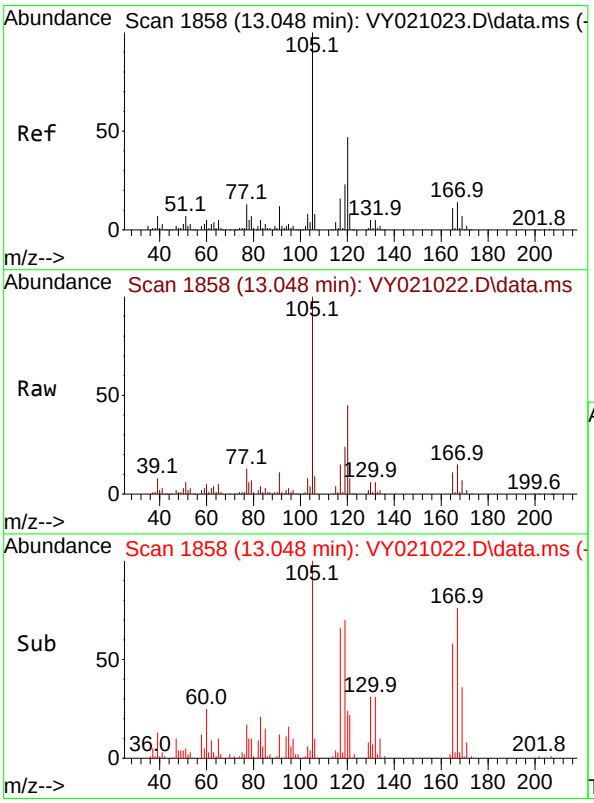
Ion	Ratio	Lower	Upper
119	100		
91	64.4	31.4	94.0
134	26.5	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

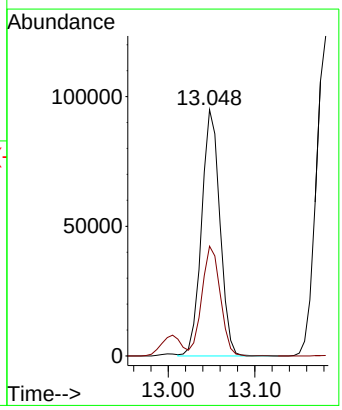
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

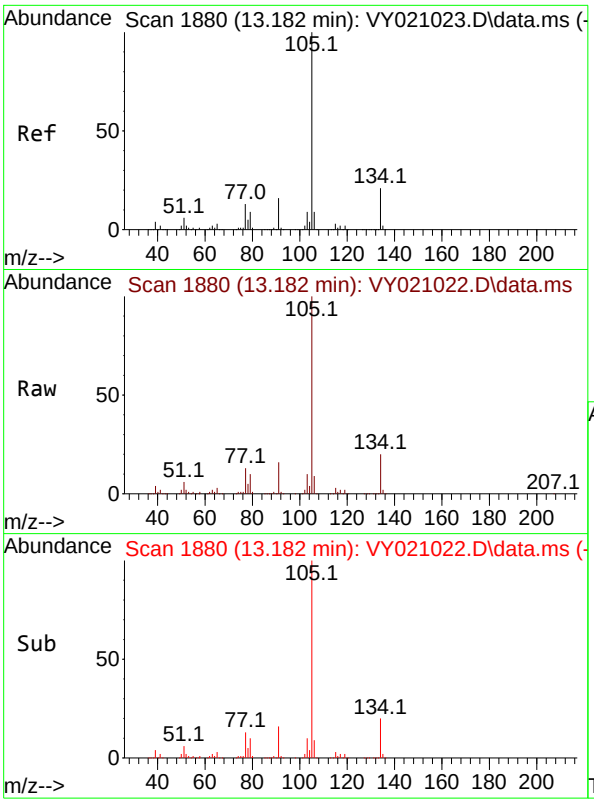


#84
1,2,4-Trimethylbenzene
Concen: 21.214 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 139446

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.0

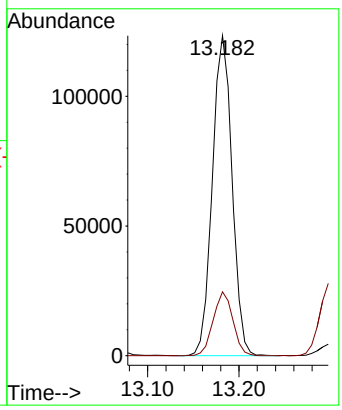




#85
sec-Butylbenzene
Concen: 20.943 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 18504

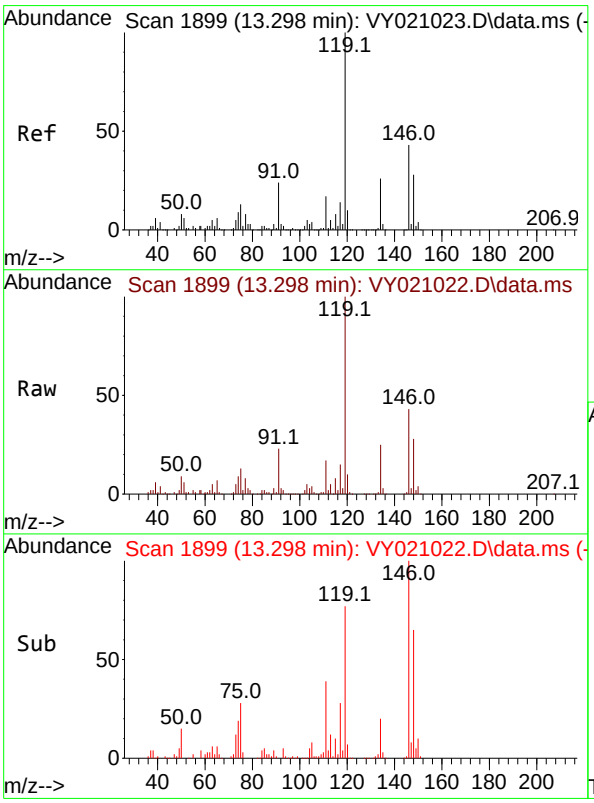
Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.3	30.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

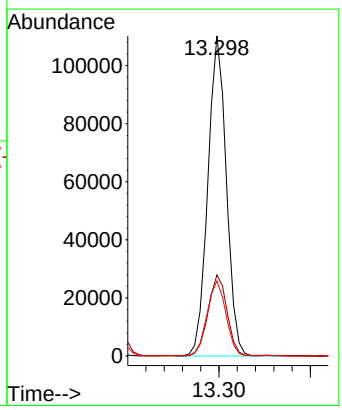
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

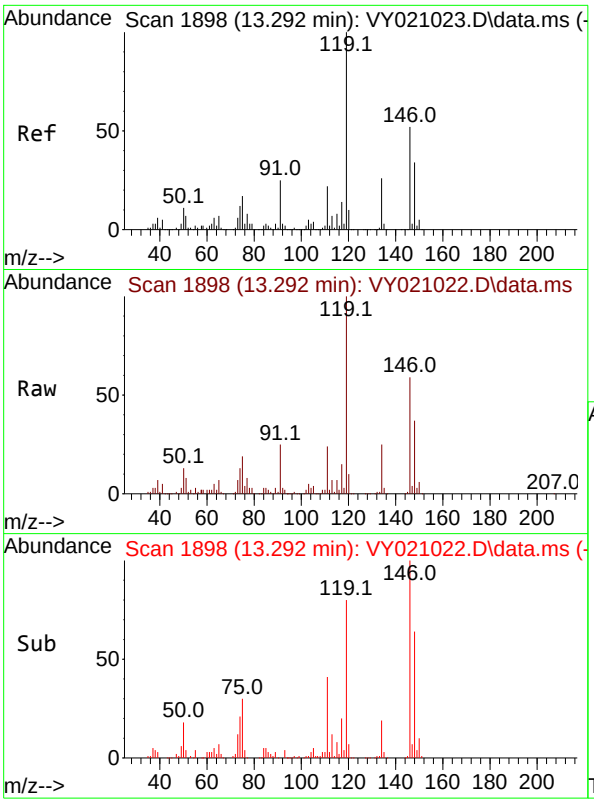


#86
p-Isopropyltoluene
Concen: 20.815 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:119 Resp: 154555

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.3
91	23.8	11.5	34.5

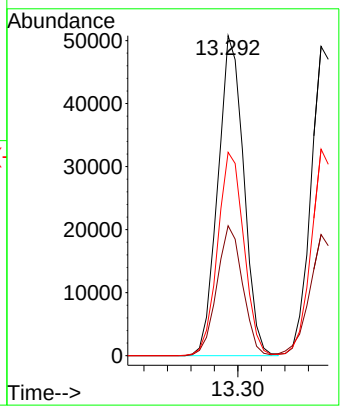




#87
1,3-Dichlorobenzene
Concen: 20.446 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:146 Resp: 7763

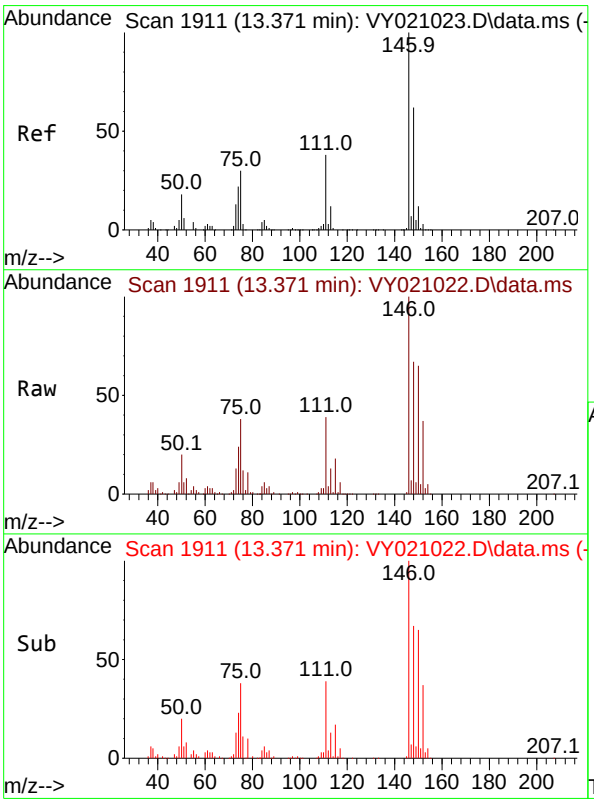
Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.1
148	64.7	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

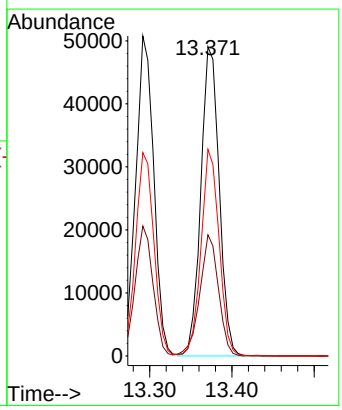
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

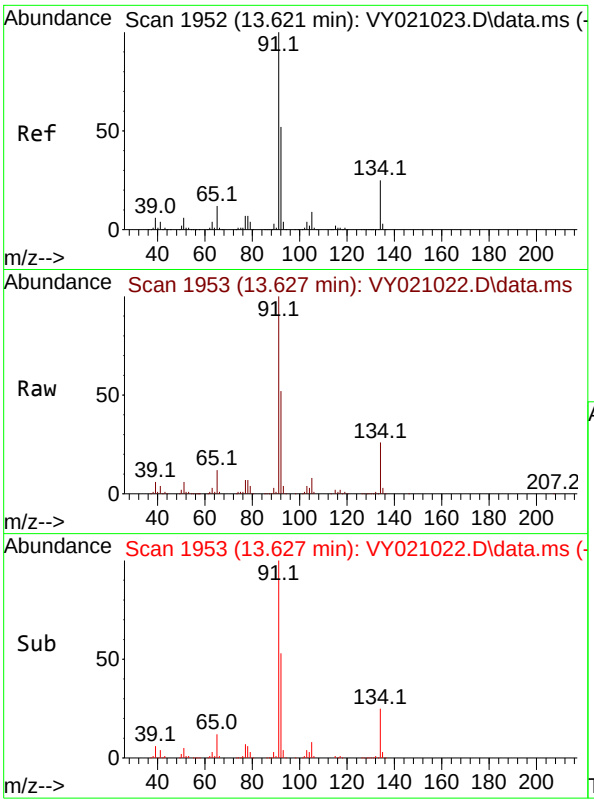


#88
1,4-Dichlorobenzene
Concen: 20.248 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:146 Resp: 76342

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.0	57.0
148	65.6	31.6	95.0

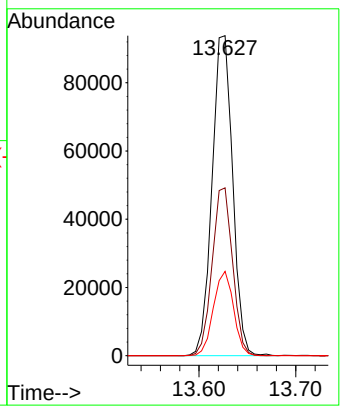




#89
n-Butylbenzene
Concen: 20.829 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 13853

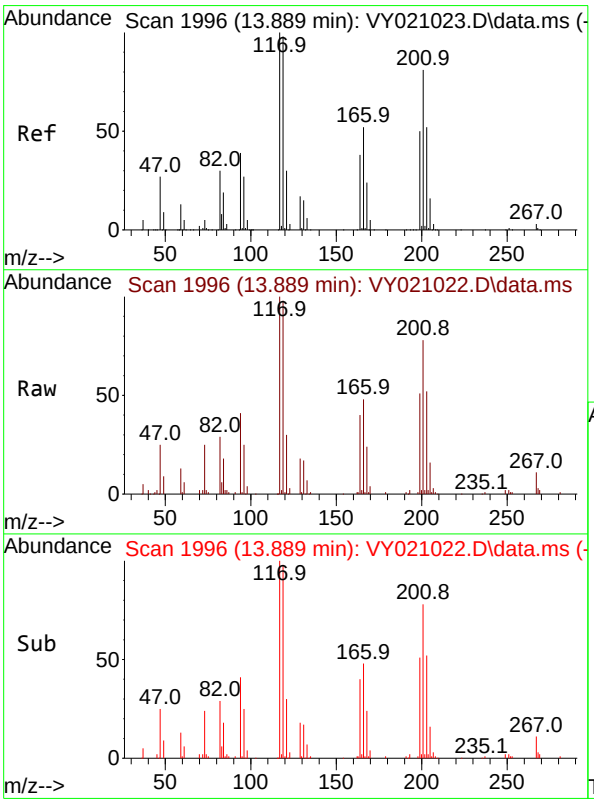
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.7	80.1
134	25.8	13.7	41.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

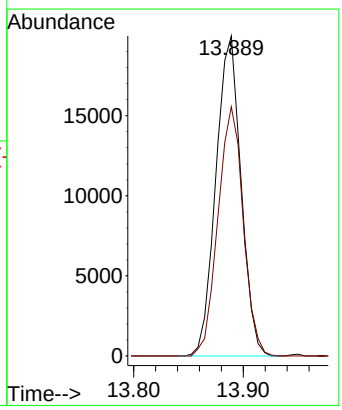
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

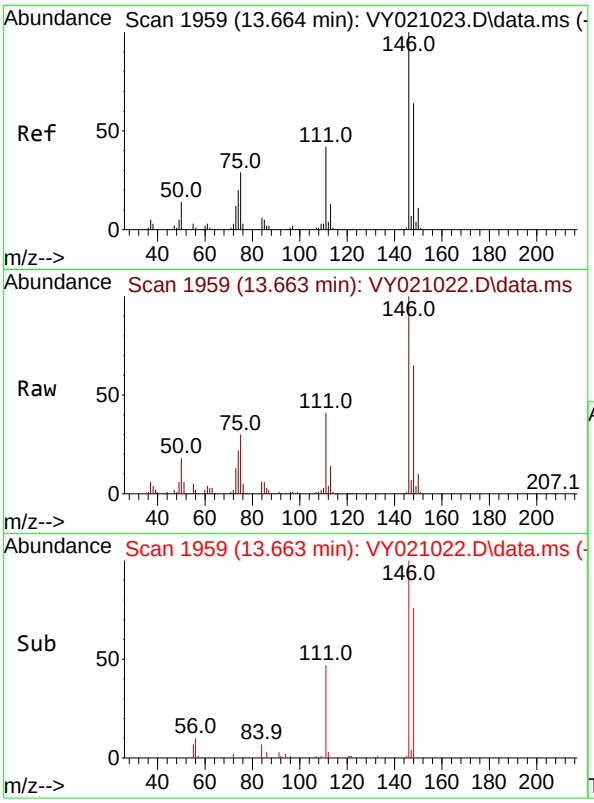


#90
Hexachloroethane
Concen: 21.166 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:117 Resp: 31796

Ion	Ratio	Lower	Upper
117	100		
201	78.2	42.5	127.5

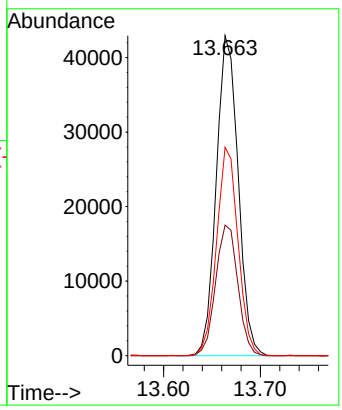




#91
1,2-Dichlorobenzene
Concen: 20.344 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:146 Resp: 6736

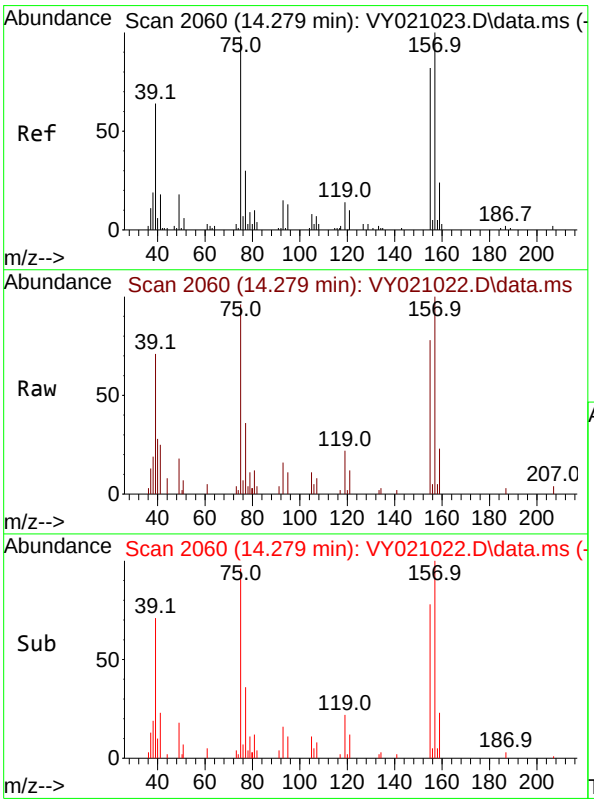
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	60.8
148	64.0	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

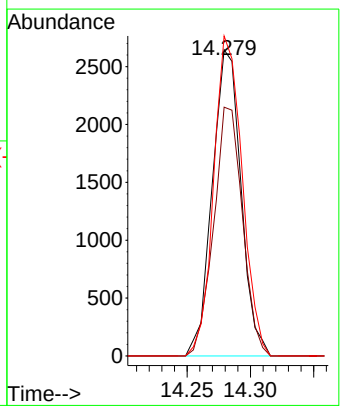
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

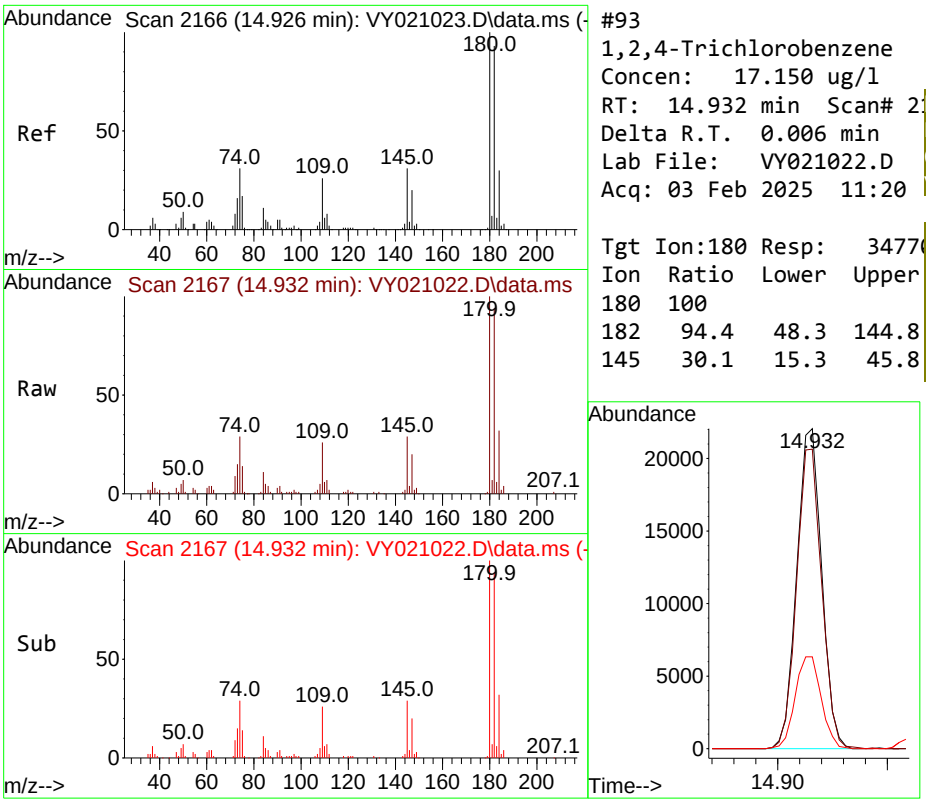


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.380 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 4160

Ion	Ratio	Lower	Upper
75	100		
155	81.6	45.9	137.6
157	103.8	59.3	177.9





#93
1,2,4-Trichlorobenzene
Concen: 17.150 ug/l
RT: 14.932 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

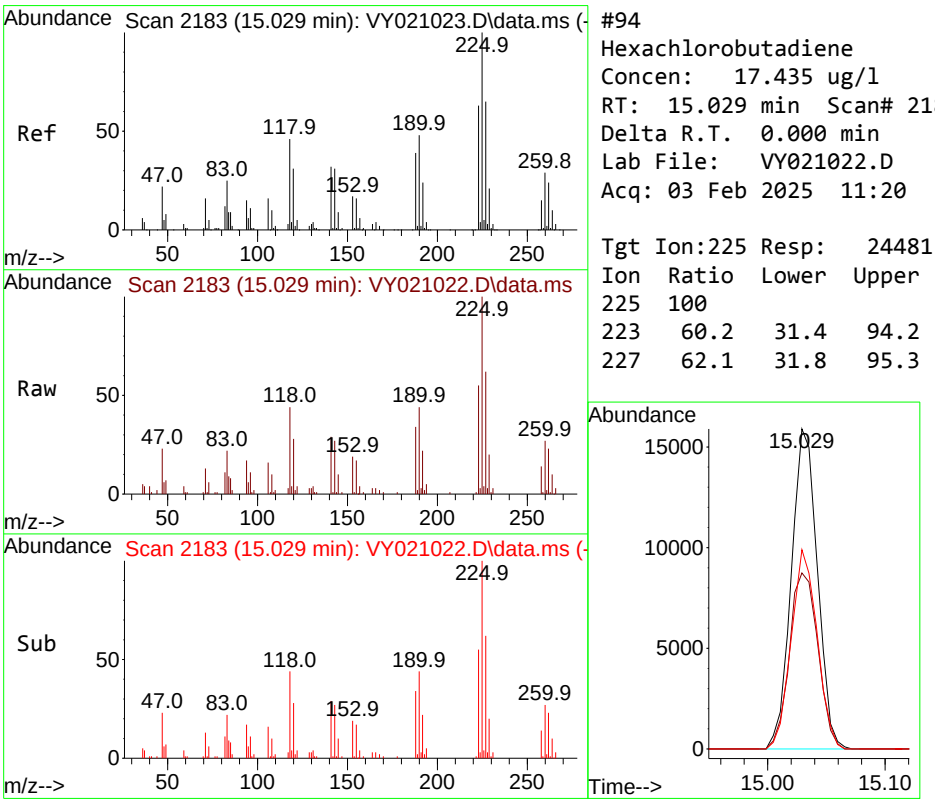
Tgt Ion:180 Resp: 3477

Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.3	144.8
145	30.1	15.3	45.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

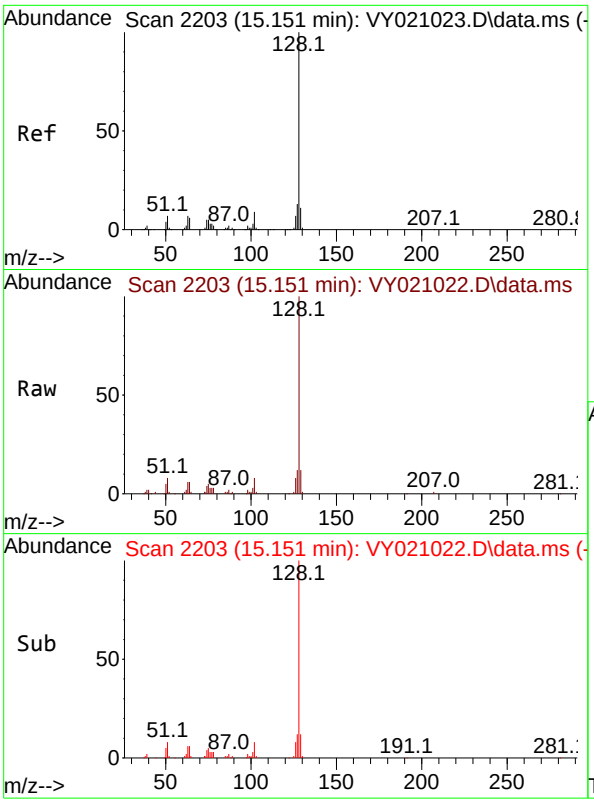
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#94
Hexachlorobutadiene
Concen: 17.435 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:225 Resp: 24481

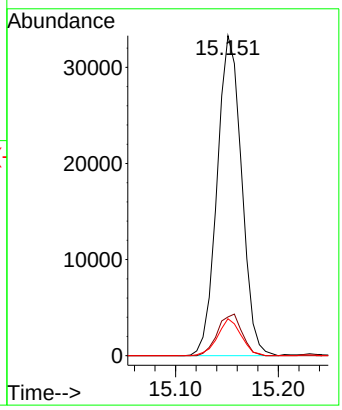
Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.4	94.2
227	62.1	31.8	95.3



#95
Naphthalene
Concen: 16.886 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:128 Resp: 5502

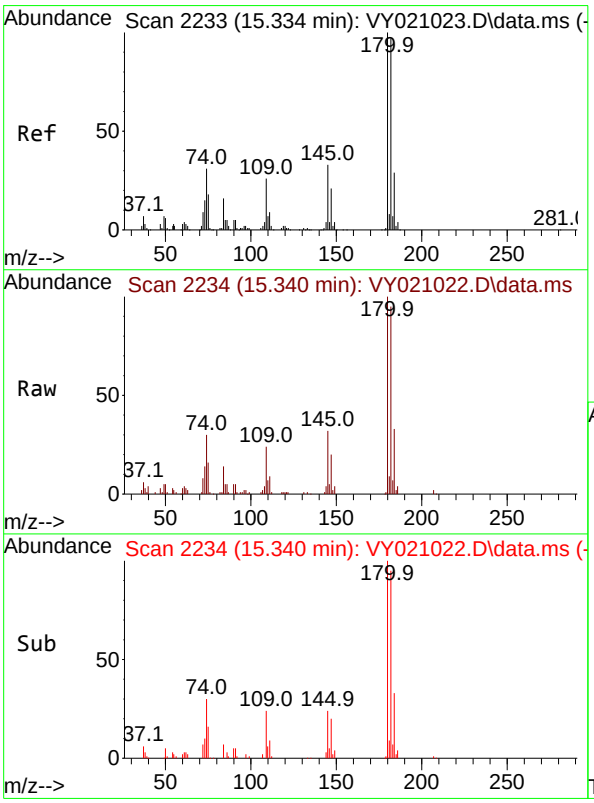
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.1	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

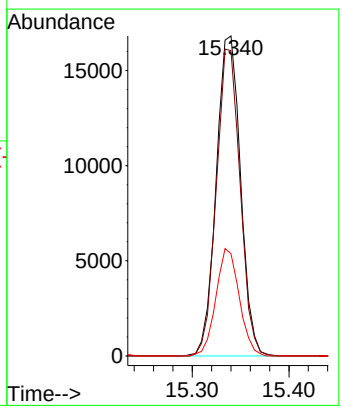
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.090 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:180 Resp: 29301

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.7	143.1
145	32.3	15.6	46.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
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 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	185055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	285755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	250150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	121069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	93084	59.079	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.160%			
35) Dibromofluoromethane	7.640	113	89515	52.107	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.220%			
50) Toluene-d8	10.109	98	343592	51.243	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.414	95	115197	51.200	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 102.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	82341	52.329	ug/l	100
3) Chloromethane	2.074	50	77828	77.798	ug/l	98
4) Vinyl Chloride	2.208	62	78456	76.063	ug/l	100
5) Bromomethane	2.605	94	47661	68.257	ug/l	99
6) Chloroethane	2.739	64	47159	78.268	ug/l	99
7) Trichlorofluoromethane	3.068	101	146090	58.690	ug/l	98
8) Diethyl Ether	3.464	74	44796	60.281	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.824	101	91456	54.564	ug/l	95
10) Methyl Iodide	4.013	142	108576	56.607	ug/l	99
11) Tert butyl alcohol	4.872	59	29518	256.470	ug/l	100
12) 1,1-Dichloroethene	3.800	96	86860	55.452	ug/l	92
13) Acrolein	3.659	56	48444	365.513	ug/l	98
14) Allyl chloride	4.391	41	148096	68.676	ug/l	93
15) Acrylonitrile	5.061	53	98437	322.040	ug/l	99
16) Acetone	3.879	43	71701	333.889	ug/l	93
17) Carbon Disulfide	4.117	76	272934	56.574	ug/l	99
18) Methyl Acetate	4.397	43	53193	70.789	ug/l	92
19) Methyl tert-butyl Ether	5.116	73	225045	61.726	ug/l	99
20) Methylene Chloride	4.623	84	89716	56.645	ug/l	93
21) trans-1,2-Dichloroethene	5.122	96	96653	57.552	ug/l	92
22) Diisopropyl ether	6.025	45	308181	70.111	ug/l	96
23) Vinyl Acetate	5.970	43	876749	360.173	ug/l	96
24) 1,1-Dichloroethane	5.921	63	175291	61.815	ug/l	100
25) 2-Butanone	6.903	43	124949	342.981	ug/l	94
26) 2,2-Dichloropropane	6.890	77	160962	57.651	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	110873	57.437	ug/l	94
28) Bromochloromethane	7.250	49	76460	72.370	ug/l	84
29) Tetrahydrofuran	7.262	42	84863	346.176	ug/l	91
30) Chloroform	7.427	83	181725	59.167	ug/l	96
31) Cyclohexane	7.707	56	153013	55.203	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	168751	56.771	ug/l	97
36) 1,1-Dichloropropene	7.841	75	132425	54.034	ug/l	98
37) Ethyl Acetate	6.988	43	60168	65.852	ug/l	95
38) Carbon Tetrachloride	7.823	117	156282	51.530	ug/l	99
39) Methylcyclohexane	9.116	83	168118	51.064	ug/l	95
40) Benzene	8.085	78	393690	54.594	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.226	41	31701	62.707 ug/l		93
42) 1,2-Dichloroethane	8.165	62	108251	59.191 ug/l		99
43) Isopropyl Acetate	8.201	43	120630	66.087 ug/l		96
44) Trichloroethene	8.872	130	99733	50.121 ug/l		99
45) 1,2-Dichloropropane	9.146	63	93348	57.754 ug/l		99
46) Dibromomethane	9.238	93	51734	55.001 ug/l		95
47) Bromodichloromethane	9.427	83	137852	55.807 ug/l		97
48) Methyl methacrylate	9.225	41	54848	63.113 ug/l		91
49) 1,4-Dioxane	9.231	88	10030	1003.514 ug/l	#	91
51) 4-Methyl-2-Pentanone	10.000	43	308616	329.038 ug/l		95
52) Toluene	10.176	92	250280	53.469 ug/l		97
53) t-1,3-Dichloropropene	10.396	75	128314	57.403 ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	149965	56.133 ug/l	#	91
55) 1,1,2-Trichloroethane	10.579	97	67249	53.761 ug/l		99
56) Ethyl methacrylate	10.445	69	96579	59.067 ug/l	#	88
57) 1,3-Dichloropropane	10.725	76	117634	55.483 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	224134	322.966 ug/l		95
59) 2-Hexanone	10.768	43	205217	336.612 ug/l		92
60) Dibromochloromethane	10.914	129	93957	52.680 ug/l		100
61) 1,2-Dibromoethane	11.018	107	64333	53.845 ug/l		98
64) Tetrachloroethene	10.652	164	90228	47.817 ug/l		98
65) Chlorobenzene	11.445	112	270176	51.263 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.524	131	95653	51.137 ug/l		97
67) Ethyl Benzene	11.524	91	486059	53.265 ug/l		100
68) m/p-Xylenes	11.633	106	366509	104.538 ug/l		98
69) o-Xylene	11.963	106	170229	52.229 ug/l		96
70) Styrene	11.975	104	289102	53.426 ug/l		98
71) Bromoform	12.133	173	54130	49.101 ug/l	#	98
73) Isopropylbenzene	12.261	105	461198	54.240 ug/l		99
74) N-amyl acetate	12.072	43	107371	69.346 ug/l		92
75) 1,1,2,2-Tetrachloroethane	12.511	83	76500	55.736 ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	55904m	58.330 ug/l		
77) Bromobenzene	12.536	156	104605	51.889 ug/l		93
78) n-propylbenzene	12.603	91	554600	55.653 ug/l		98
79) 2-Chlorotoluene	12.688	91	312917	55.113 ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	376397	54.032 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	26957	58.386 ug/l		91
82) 4-Chlorotoluene	12.786	91	316855	54.527 ug/l		100
83) tert-Butylbenzene	13.005	119	347315	53.757 ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	370408	54.433 ug/l		100
85) sec-Butylbenzene	13.182	105	488820	53.440 ug/l		100
86) p-Isopropyltoluene	13.298	119	414156	53.878 ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	203767	51.839 ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	201529	51.631 ug/l		100
89) n-Butylbenzene	13.621	91	381707	55.439 ug/l		99
90) Hexachloroethane	13.889	117	84237	54.167 ug/l		94
91) 1,2-Dichlorobenzene	13.664	146	176718	51.554 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11716	55.445 ug/l		93
93) 1,2,4-Trichlorobenzene	14.926	180	105932	50.473 ug/l		99
94) Hexachlorobutadiene	15.029	225	67092	46.155 ug/l		99
95) Naphthalene	15.151	128	180166	53.412 ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	88730	49.991 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
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 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

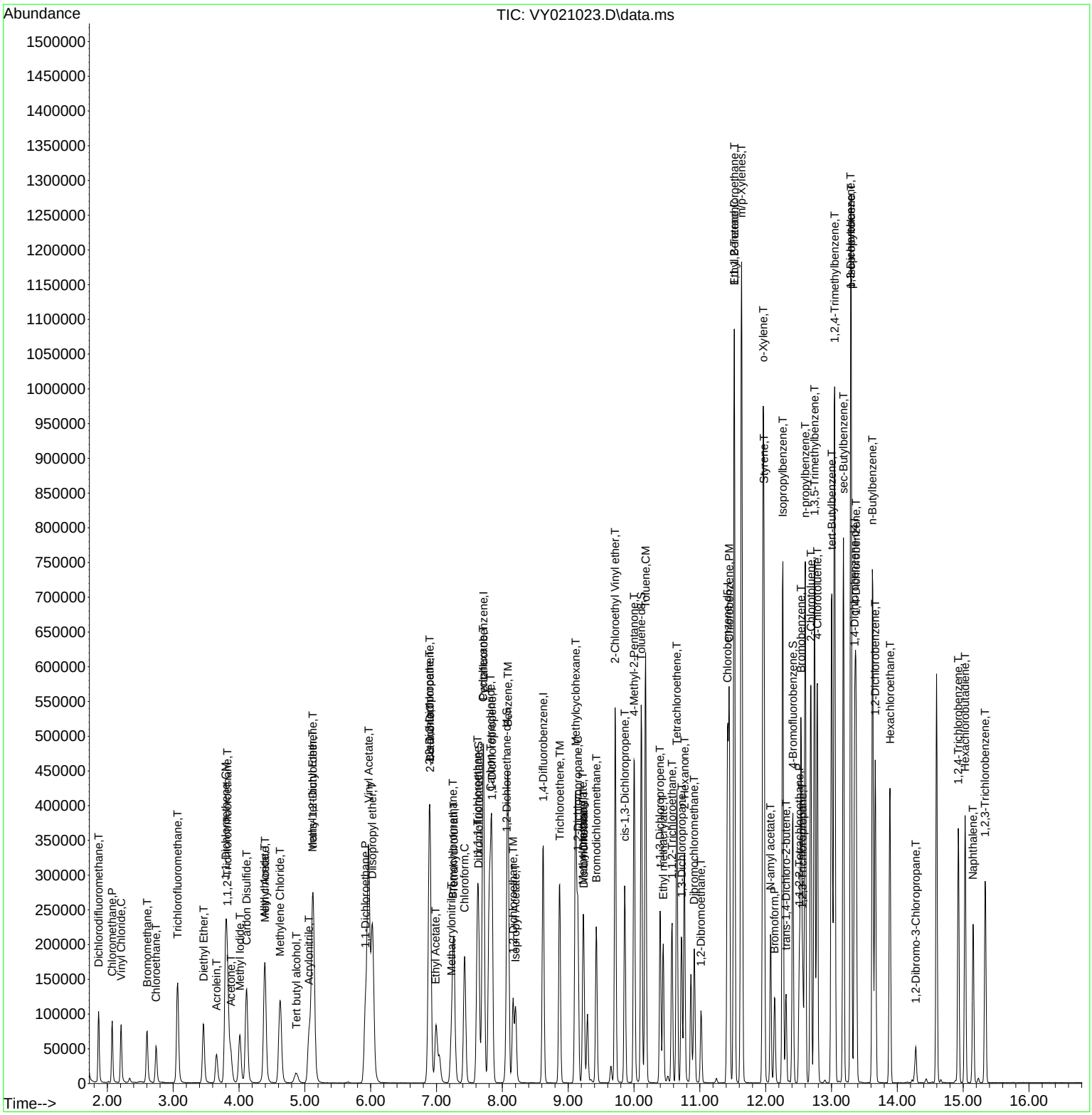
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Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

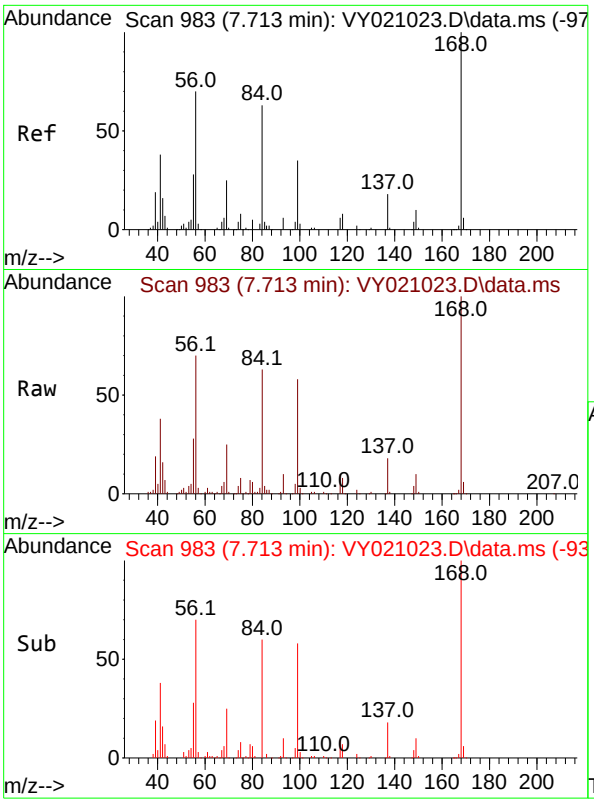
Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

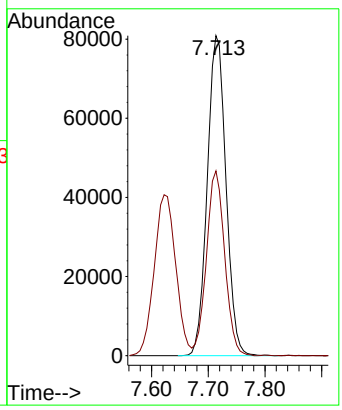
Tgt Ion:168 Resp: 18505

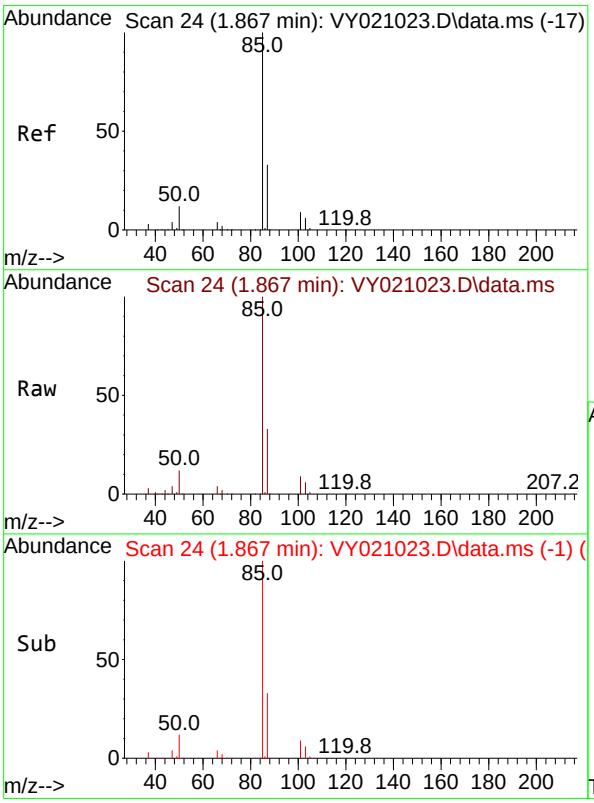
Ion	Ratio	Lower	Upper
168	100		
99	57.7	42.2	63.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

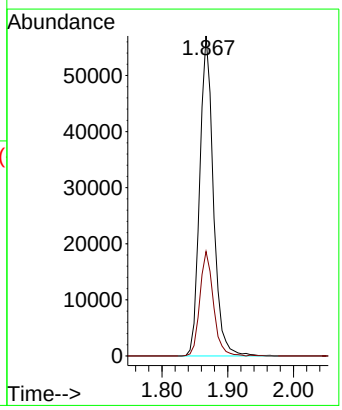


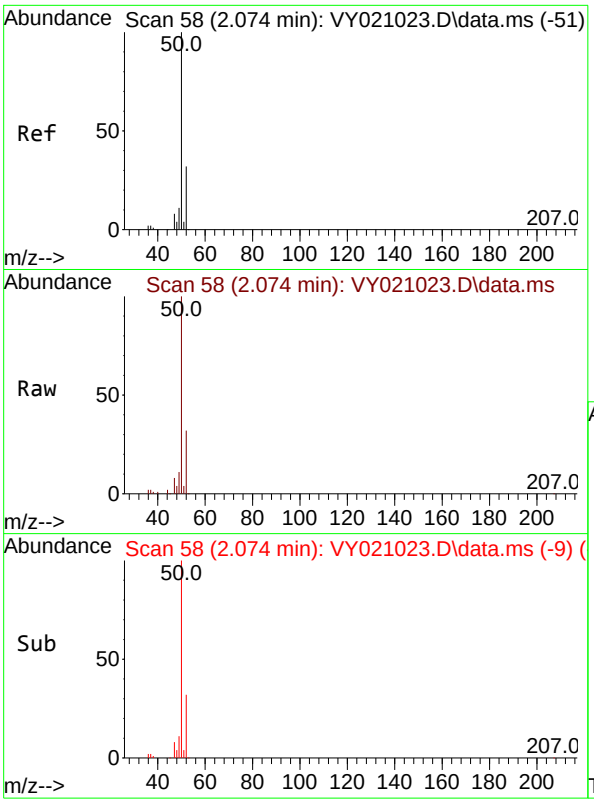


#2
Dichlorodifluoromethane
Concen: 52.329 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 85 Resp: 82341

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.3	48.9

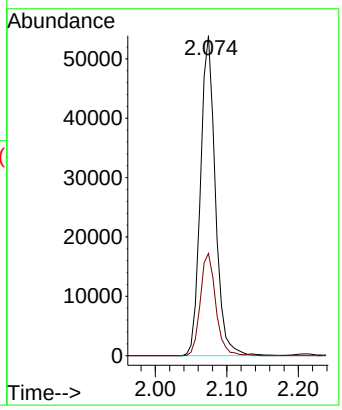




#3
Chloromethane
Concen: 77.798 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 50 Resp: 7782

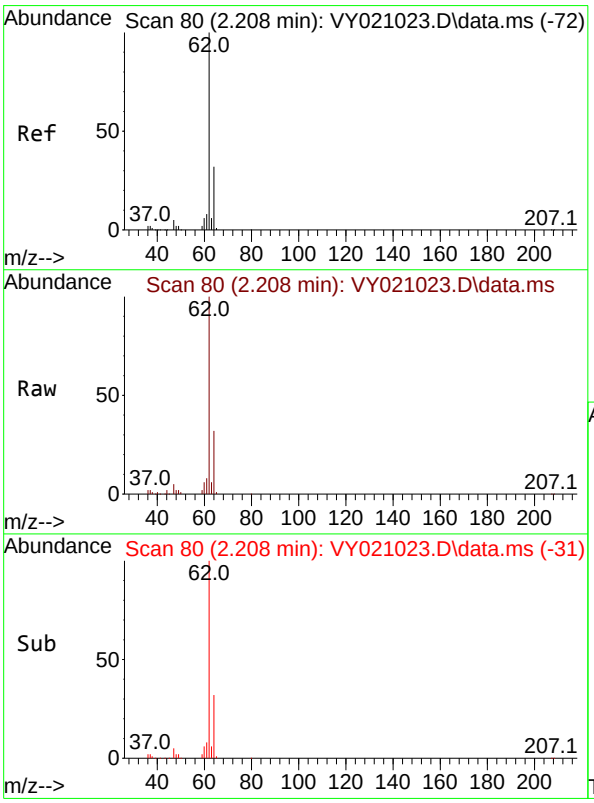
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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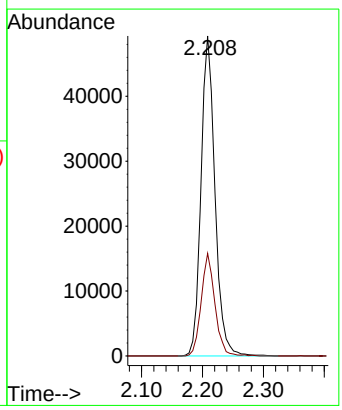
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

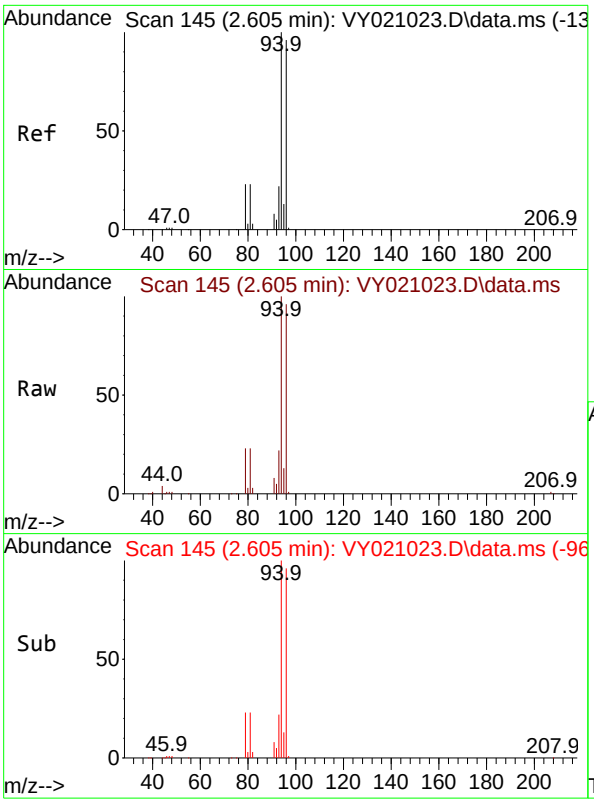


#4
Vinyl Chloride
Concen: 76.063 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 62 Resp: 78456

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.4	38.2





#5
Bromomethane
Concen: 68.257 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

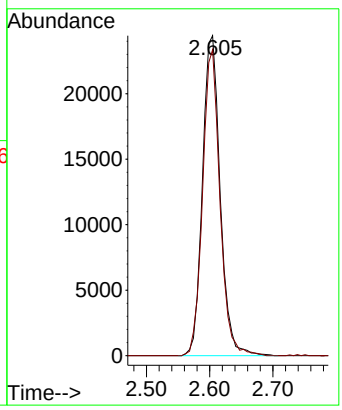
Tgt Ion: 94 Resp: 4766

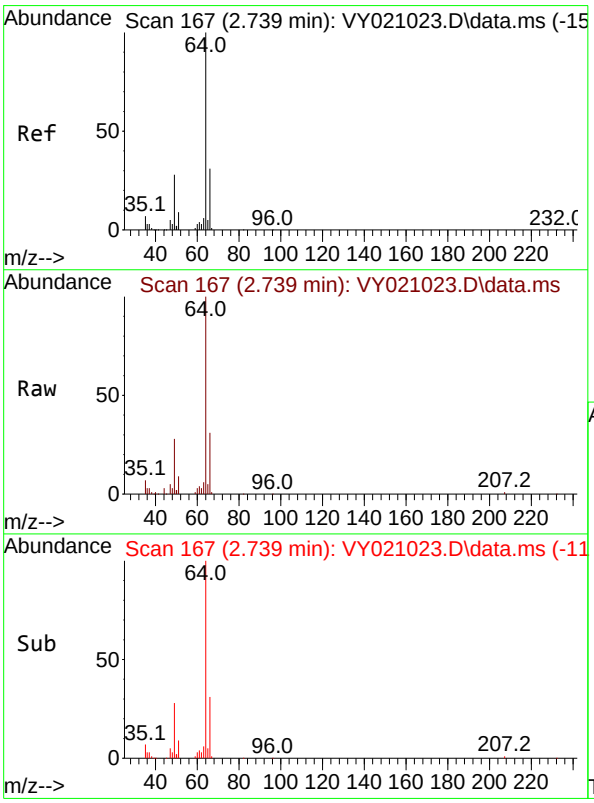
Ion	Ratio	Lower	Upper
94	100		
96	95.6	77.4	116.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

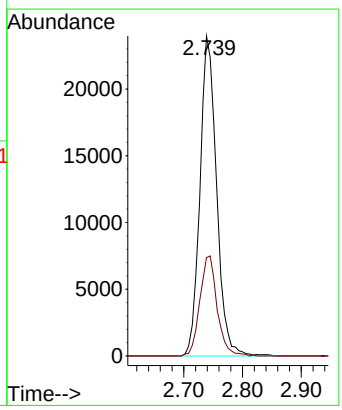


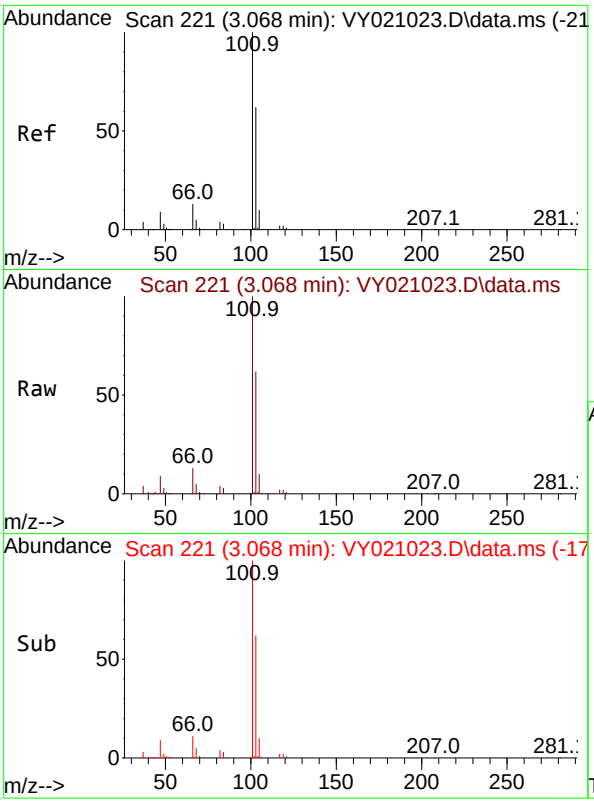


#6
Chloroethane
Concen: 78.268 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 64 Resp: 47159

Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.0	37.4

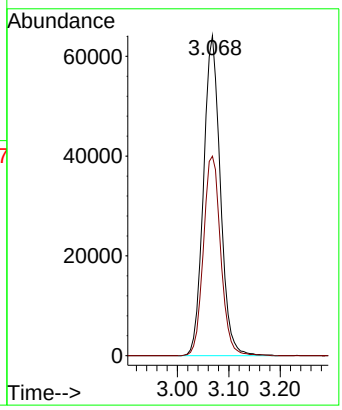




#7
Trichlorofluoromethane
Concen: 58.690 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:101 Resp: 14609

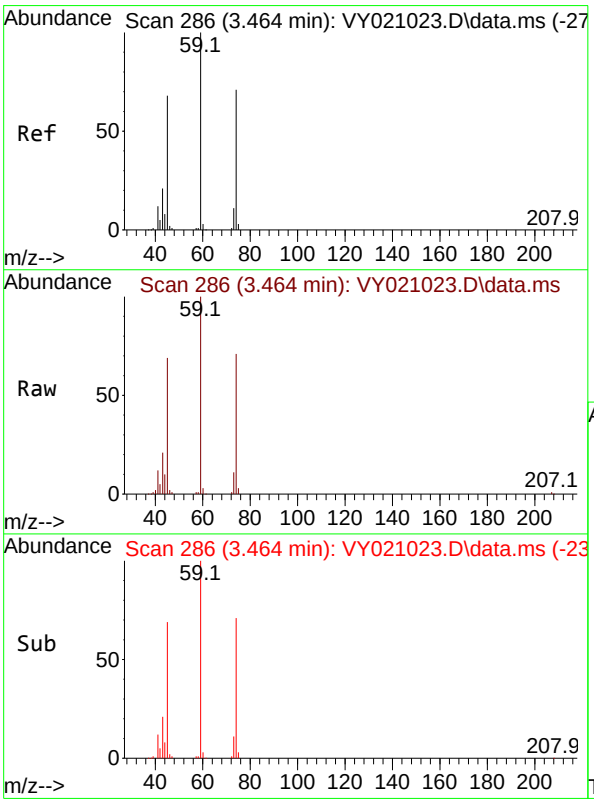
Ion	Ratio	Lower	Upper
101	100		
103	62.4	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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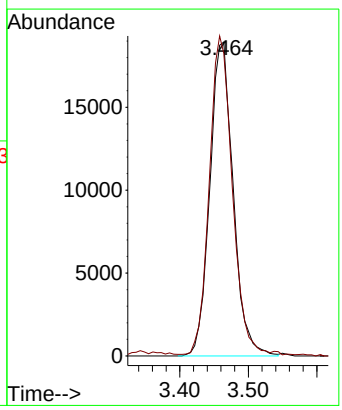
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

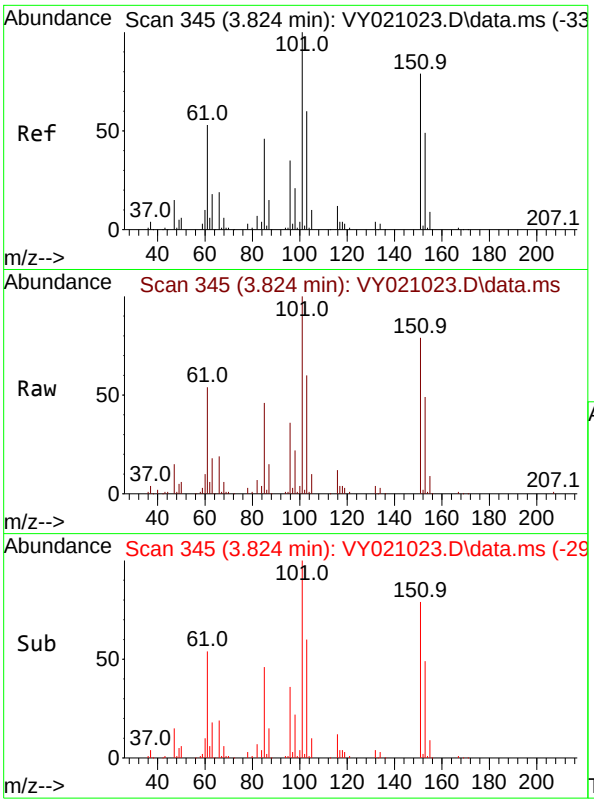


#8
Diethyl Ether
Concen: 60.281 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 74 Resp: 44796

Ion	Ratio	Lower	Upper
74	100		
45	100.0	43.4	130.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.564 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

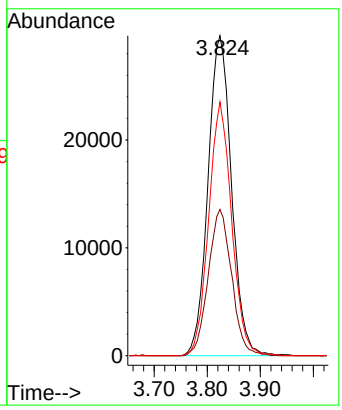
Tgt Ion:101 Resp: 9145

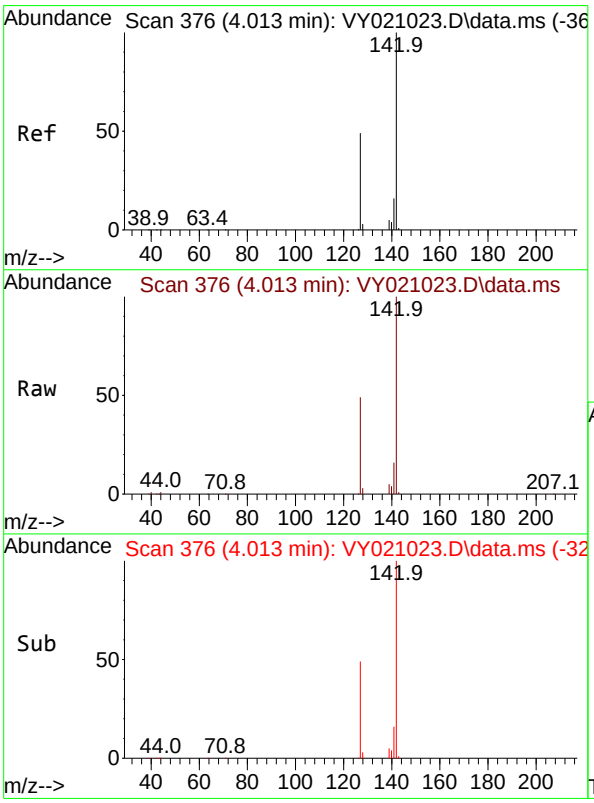
Ion	Ratio	Lower	Upper
101	100		
85	45.5	34.9	52.3
151	77.5	66.8	100.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

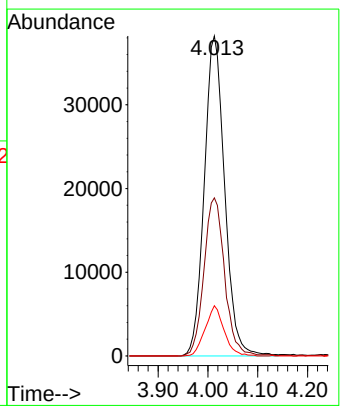


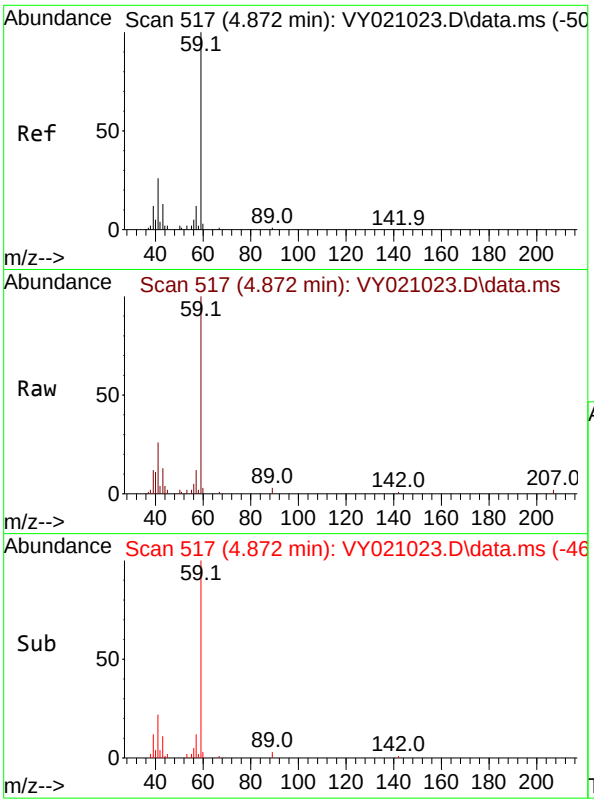


#10
Methyl Iodide
Concen: 56.607 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:142 Resp: 108576

Ion	Ratio	Lower	Upper
142	100		
127	49.8	38.9	58.3
141	14.5	11.7	17.5

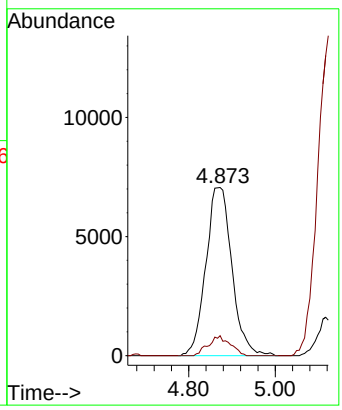




#11
Tert butyl alcohol
Concen: 256.470 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 59 Resp: 2951

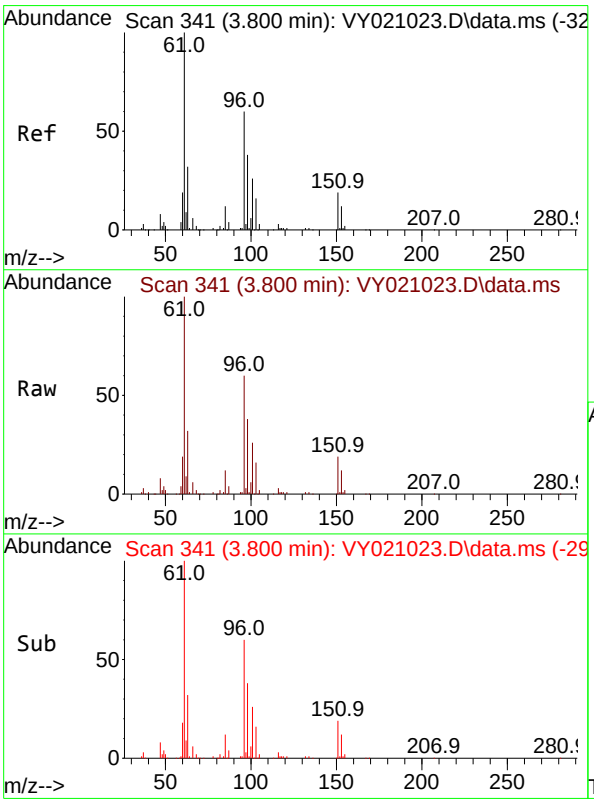
Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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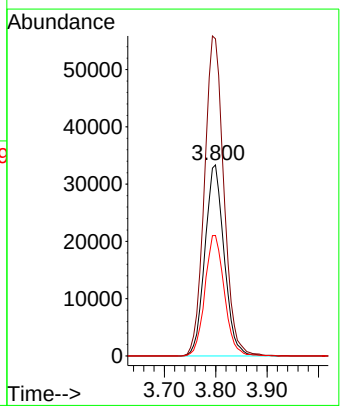
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

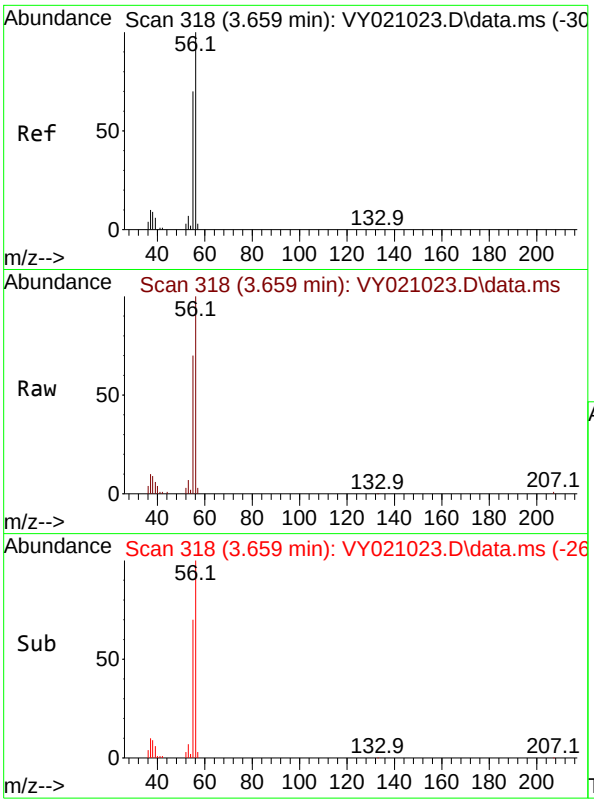


#12
1,1-Dichloroethene
Concen: 55.452 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 96 Resp: 86860

Ion	Ratio	Lower	Upper
96	100		
61	166.1	120.8	181.2
98	63.1	50.6	76.0





#13
Acrolein
Concen: 365.513 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

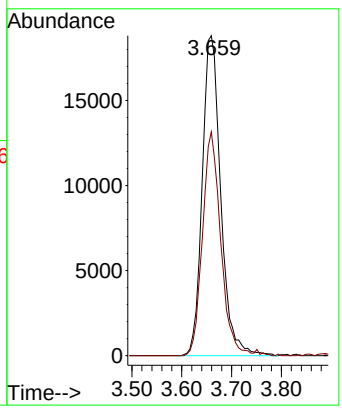
Tgt Ion: 56 Resp: 4844

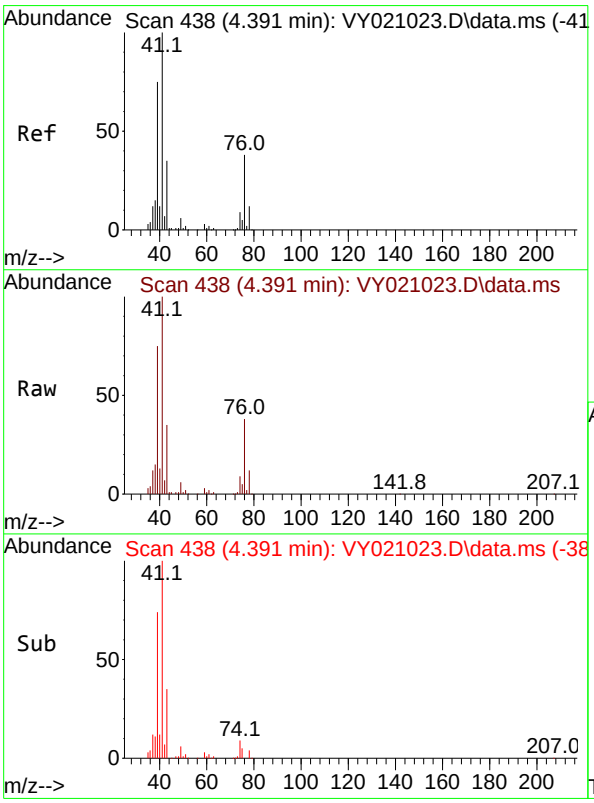
Ion	Ratio	Lower	Upper
56	100		
55	68.6	56.1	84.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

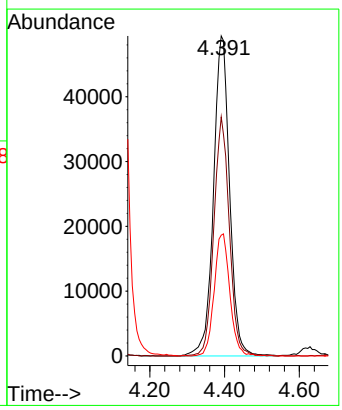


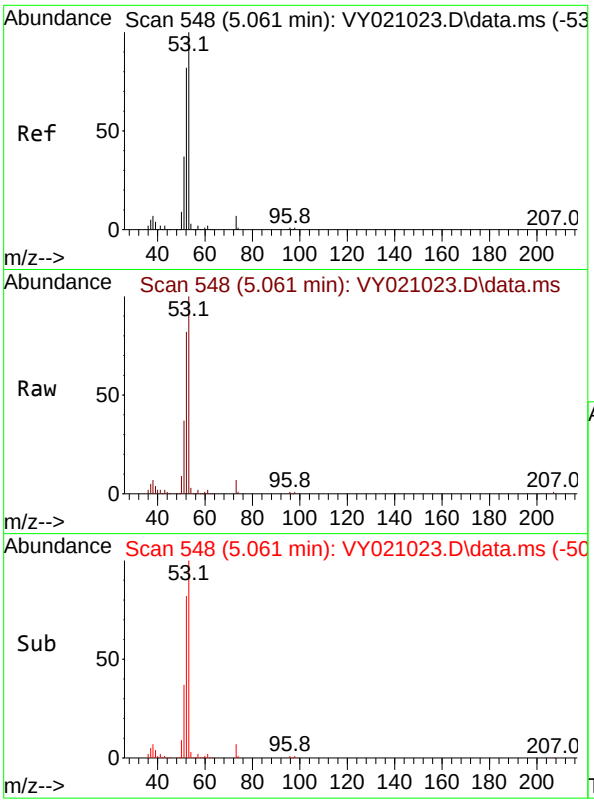


#14
Allyl chloride
Concen: 68.676 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 41 Resp: 148096

Ion	Ratio	Lower	Upper
41	100		
39	71.5	53.5	80.3
76	37.1	34.6	52.0





#15
Acrylonitrile
Concen: 322.040 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

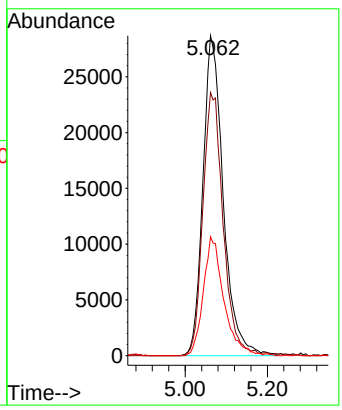
Tgt Ion: 53 Resp: 9843

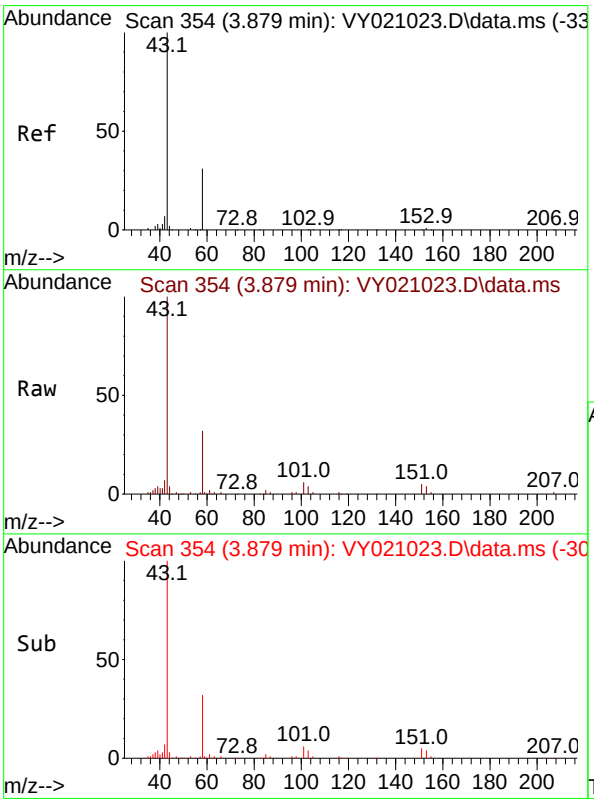
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.4
51	37.4	29.4	44.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

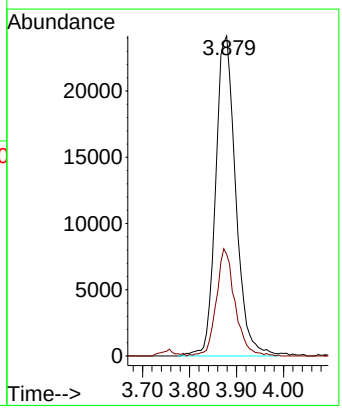


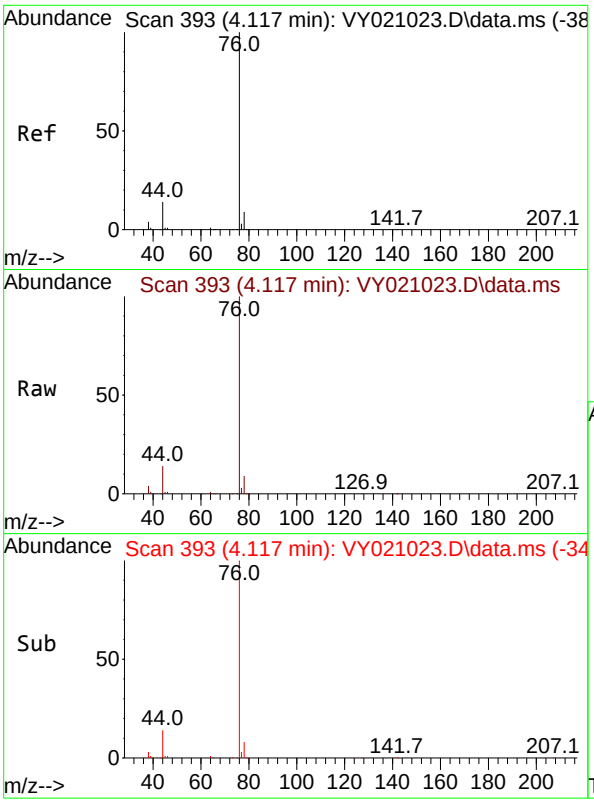


#16
Acetone
Concen: 333.889 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 71701

Ion	Ratio	Lower	Upper
43	100		
58	31.4	28.4	42.6

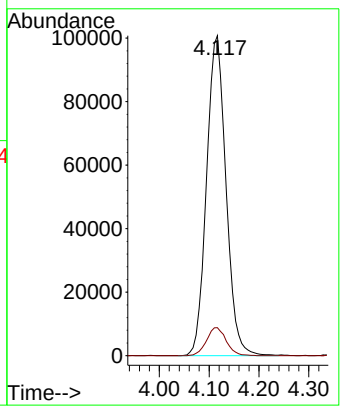




#17
Carbon Disulfide
Concen: 56.574 ug/l
RT: 4.117 min Scan# 3
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 76 Resp: 27293

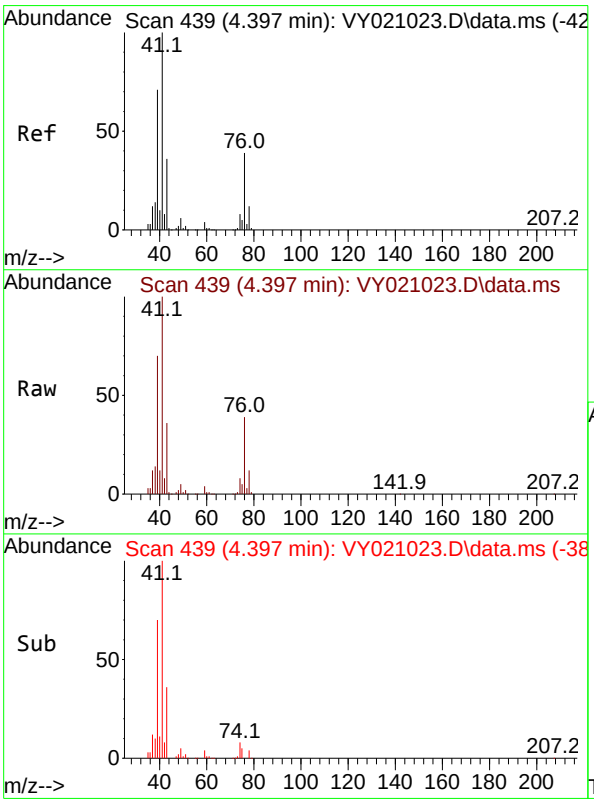
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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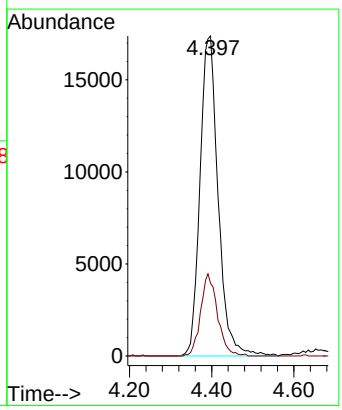
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

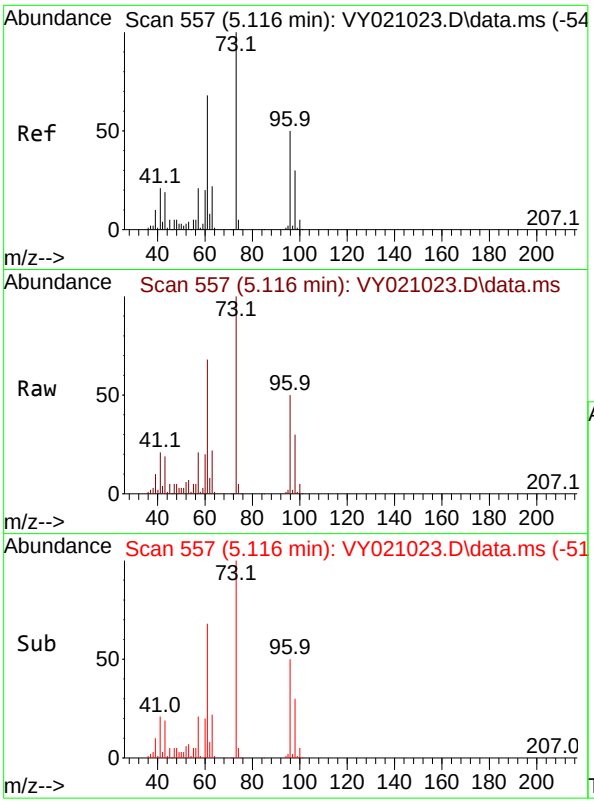


#18
Methyl Acetate
Concen: 70.789 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 53193

Ion	Ratio	Lower	Upper
43	100		
74	23.8	22.2	33.4

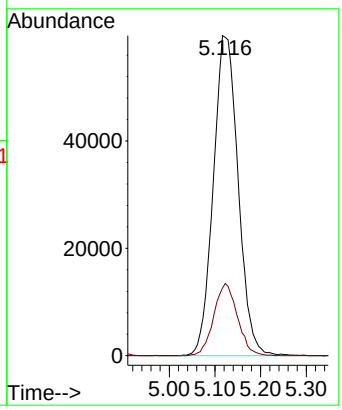




#19
Methyl tert-butyl Ether
Concen: 61.726 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 73 Resp: 22504

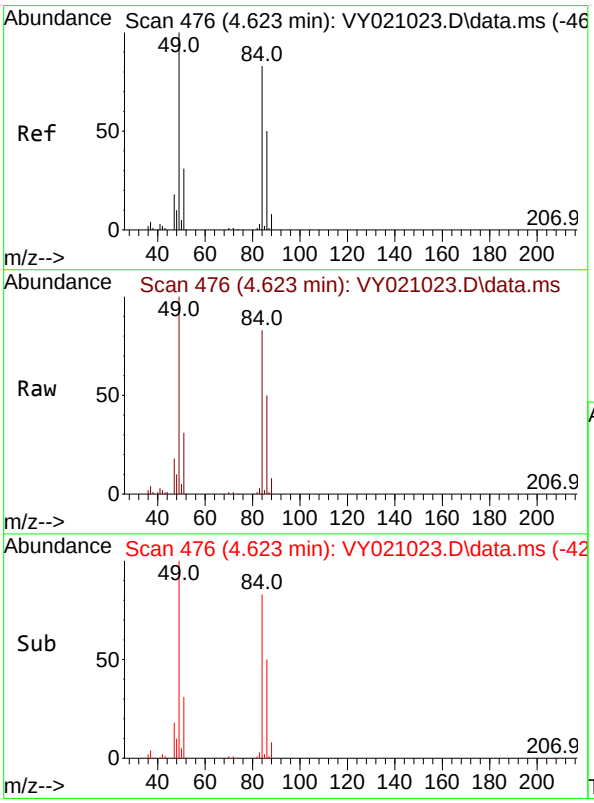
Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.6	25.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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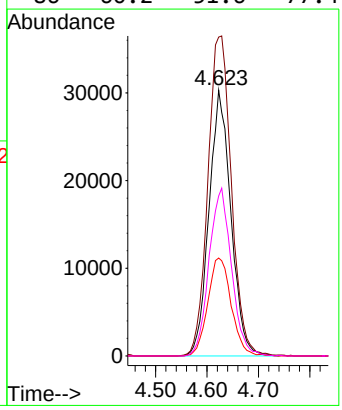
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

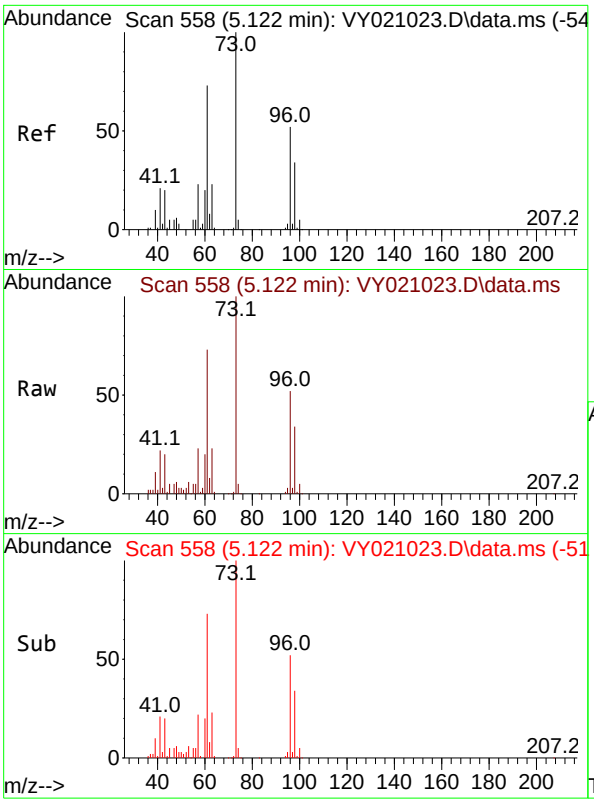


#20
Methylene Chloride
Concen: 56.645 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 84 Resp: 89716

Ion	Ratio	Lower	Upper
84	100		
49	120.0	88.3	132.5
51	36.8	27.7	41.5
86	60.2	51.6	77.4

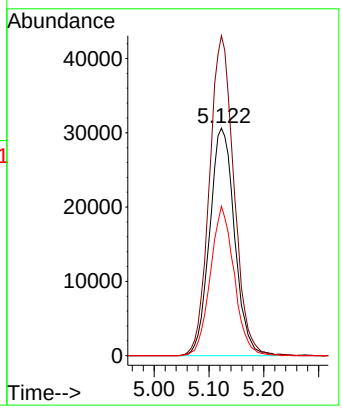




#21
trans-1,2-Dichloroethene
Concen: 57.552 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 96 Resp: 9665

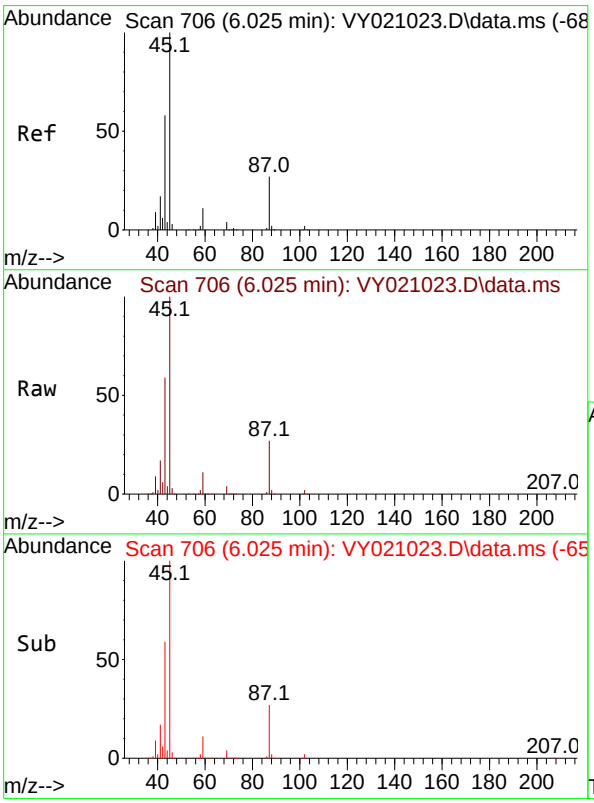
Ion	Ratio	Lower	Upper
96	100		
61	140.7	101.5	152.3
98	65.7	52.0	78.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

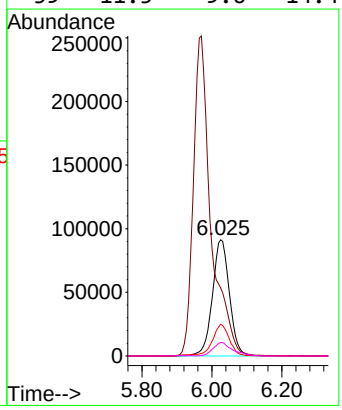
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

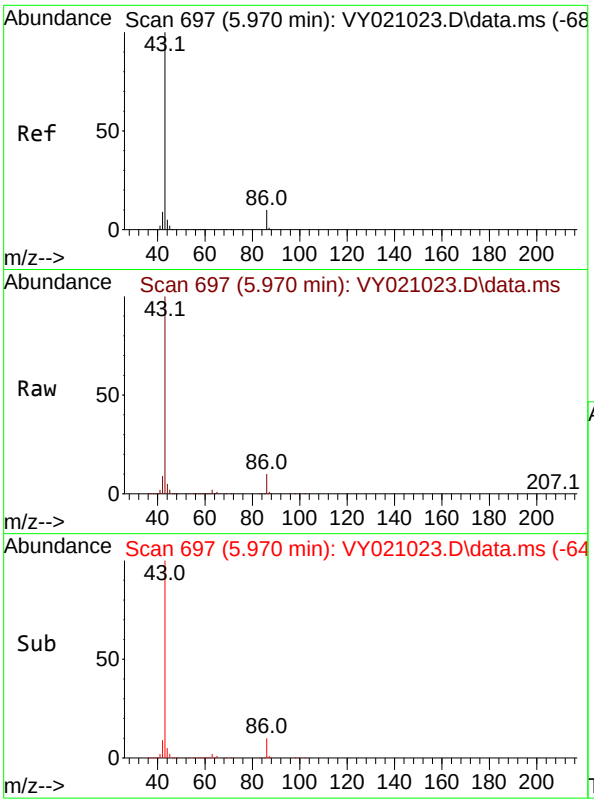


#22
Diisopropyl ether
Concen: 70.111 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 45 Resp: 308181

Ion	Ratio	Lower	Upper
45	100		
43	58.4	45.1	67.7
87	27.2	25.0	37.4
59	11.5	9.6	14.4

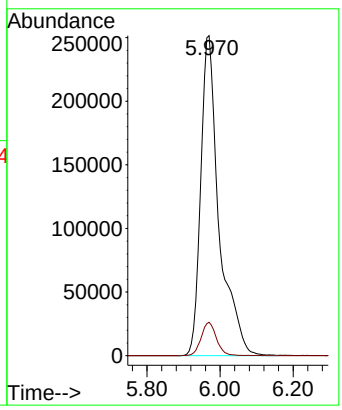




#23
Vinyl Acetate
Concen: 360.173 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 87674

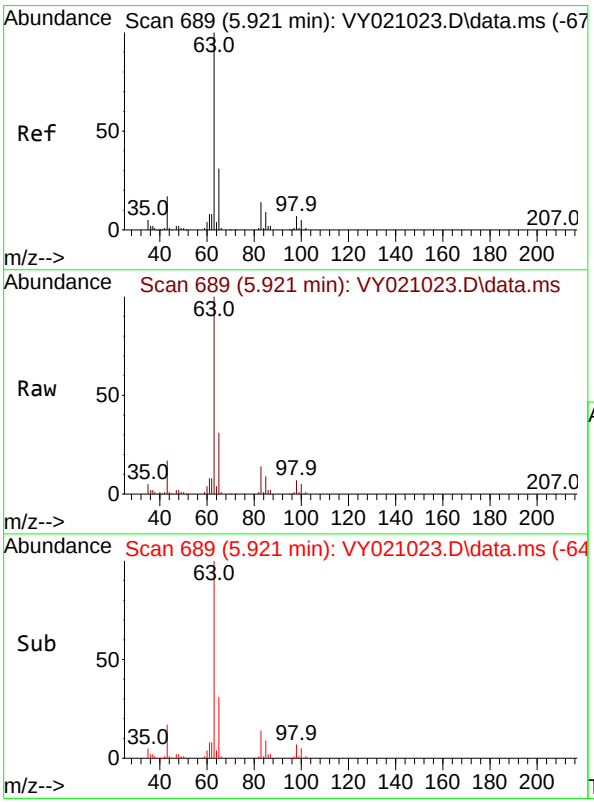
Ion	Ratio	Lower	Upper
43	100		
86	10.5	9.7	14.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

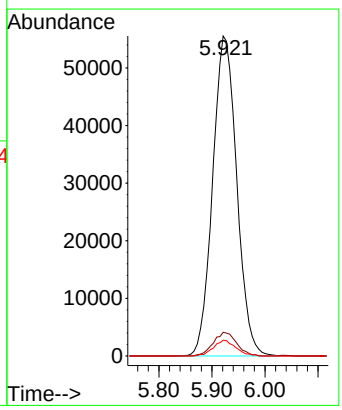
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

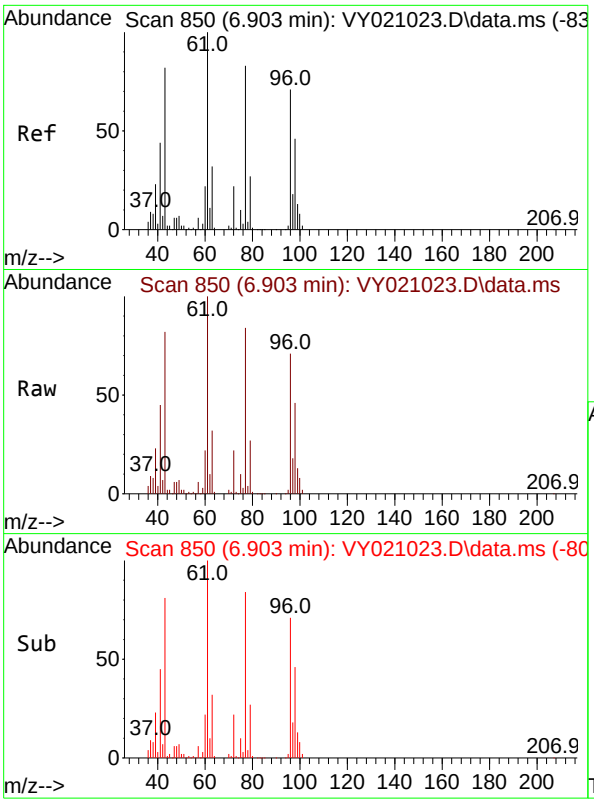


#24
1,1-Dichloroethane
Concen: 61.815 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 63 Resp: 175291

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.9	2.4	7.2

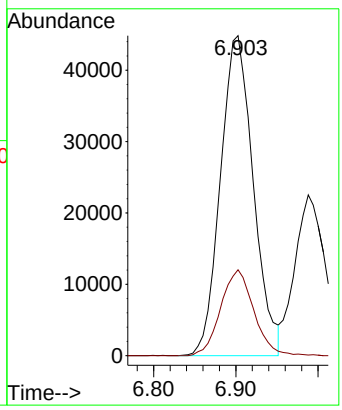




#25
2-Butanone
Concen: 342.981 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 12494

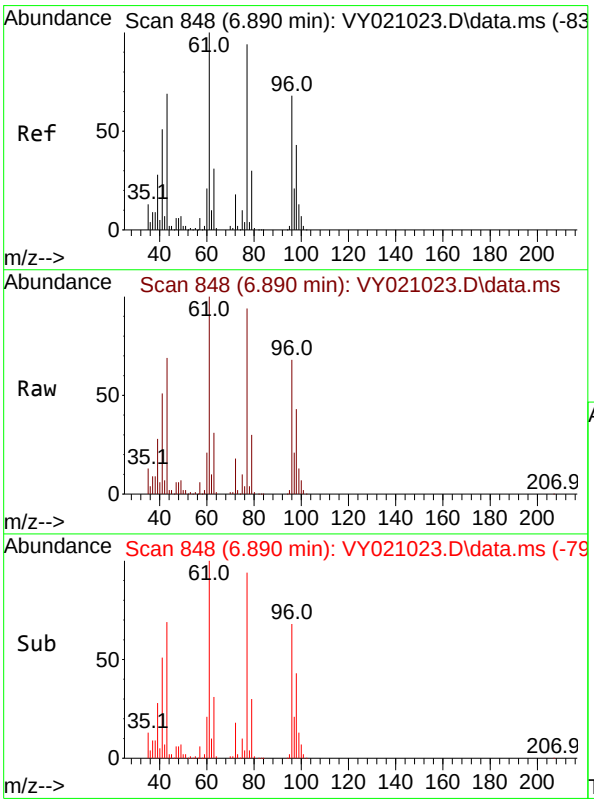
Ion	Ratio	Lower	Upper
43	100		
72	26.9	24.3	36.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

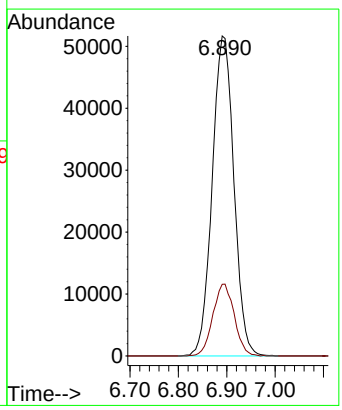
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

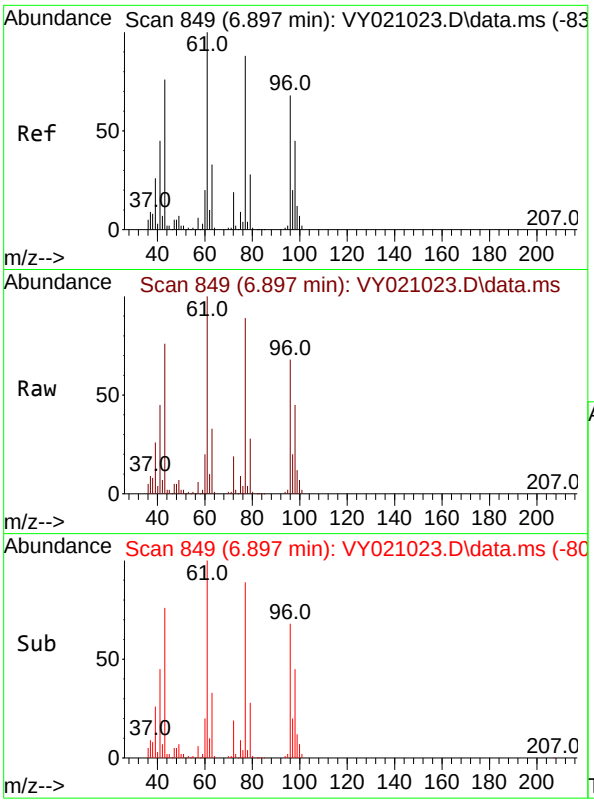


#26
2,2-Dichloropropane
Concen: 57.651 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 77 Resp: 160962

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.4	34.2

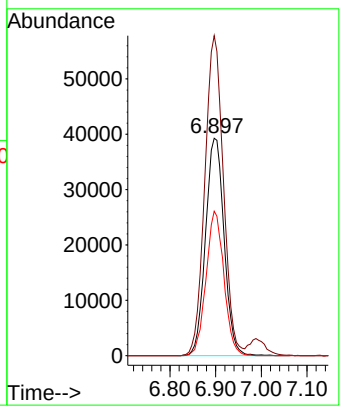




#27
cis-1,2-Dichloroethene
Concen: 57.437 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 96 Resp: 11087

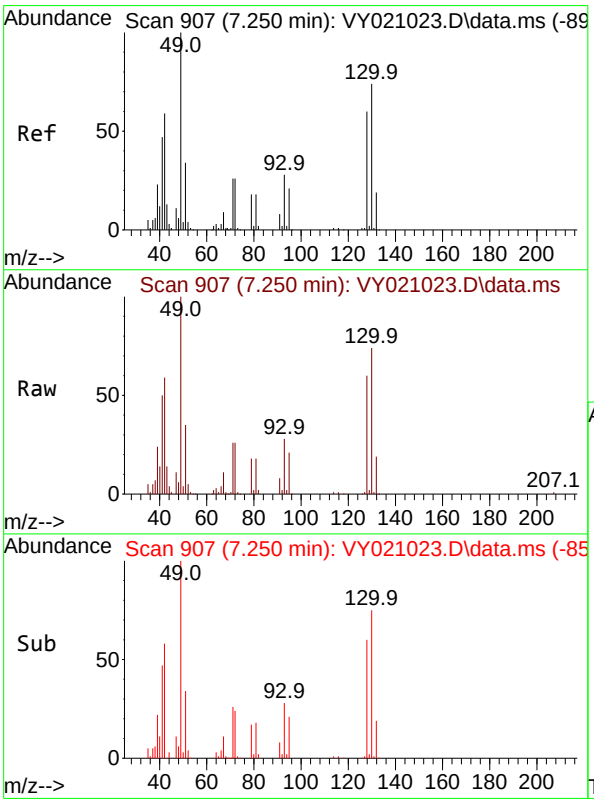
Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	274.0
98	64.0	0.0	130.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

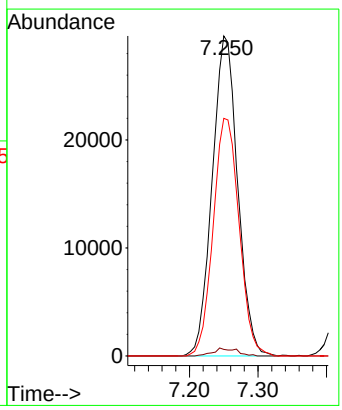
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

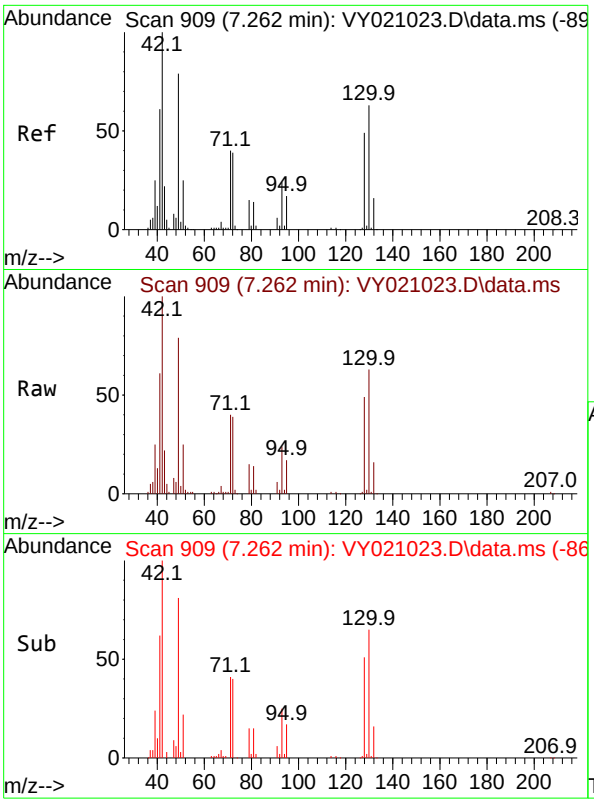


#28
Bromochloromethane
Concen: 72.370 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 49 Resp: 76460

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	75.5	73.2	109.8





#29
Tetrahydrofuran
Concen: 346.176 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

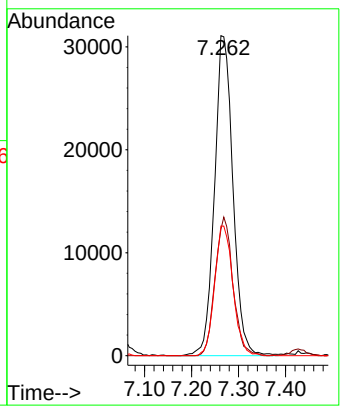
Tgt Ion: 42 Resp: 8486

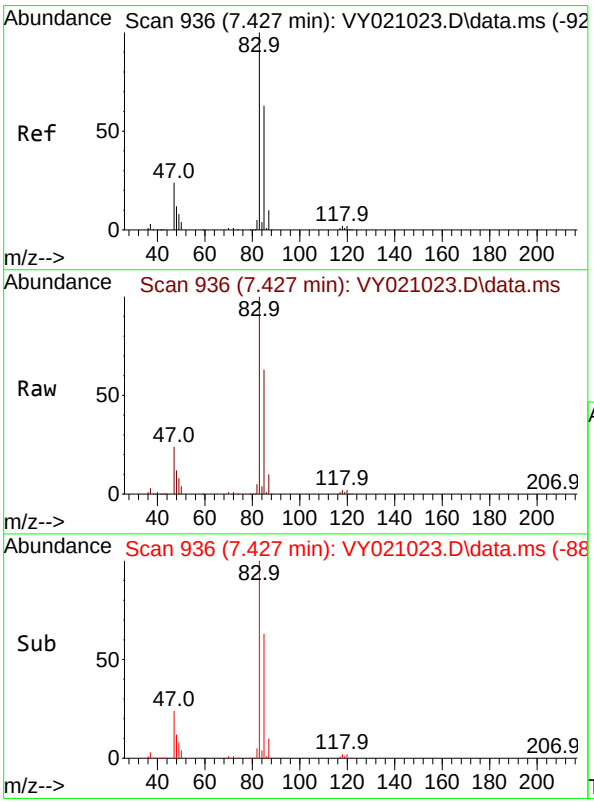
Ion	Ratio	Lower	Upper
42	100		
72	41.9	39.3	58.9
71	40.3	36.1	54.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

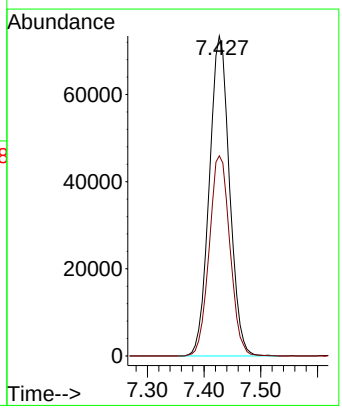


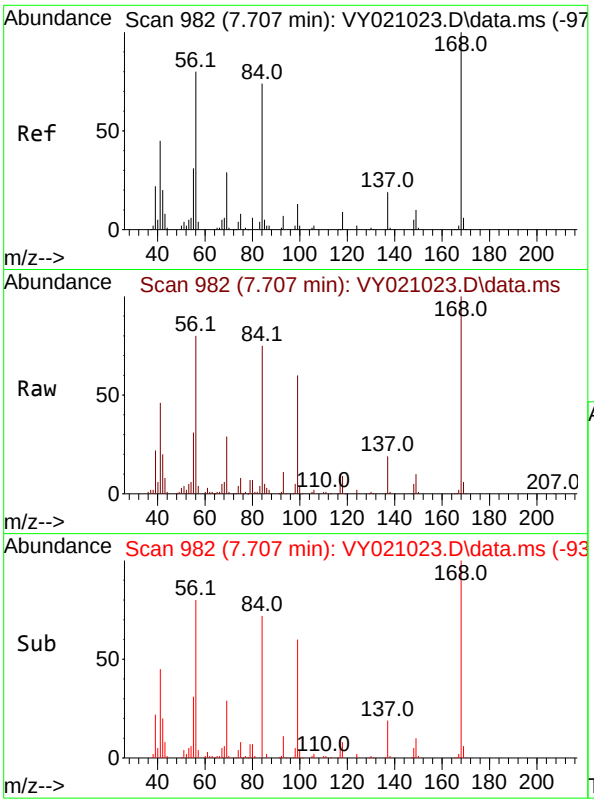


#30
Chloroform
Concen: 59.167 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 83 Resp: 181725

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.9	79.3

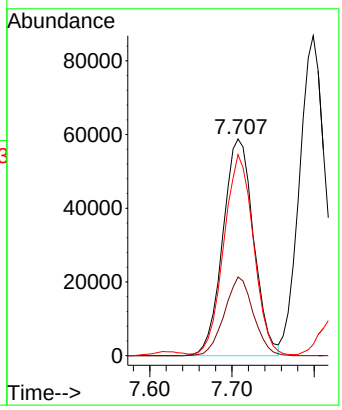




#31
Cyclohexane
Concen: 55.203 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 56 Resp: 15301

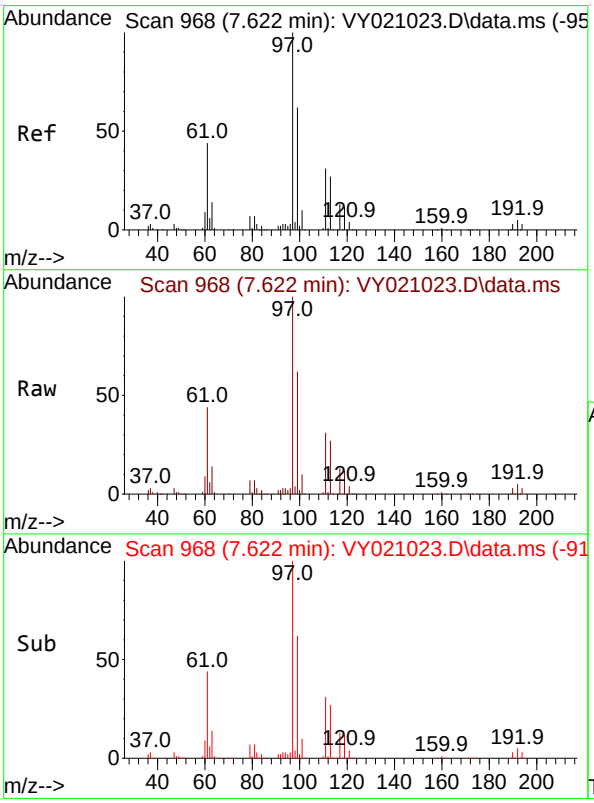
Ion	Ratio	Lower	Upper
56	100		
69	36.3	27.7	41.5
84	91.5	77.5	116.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

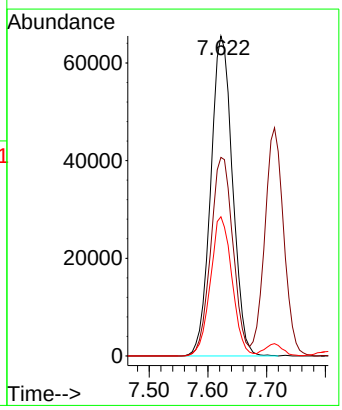
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

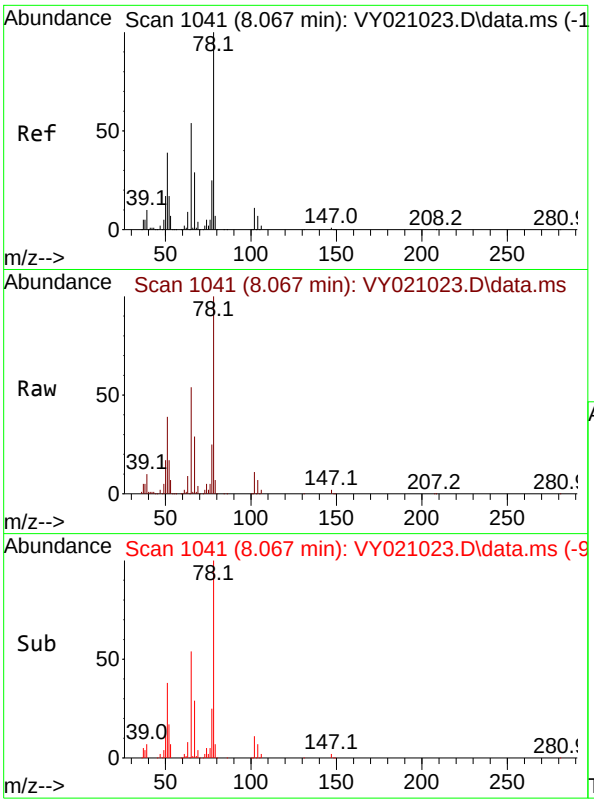


#32
1,1,1-Trichloroethane
Concen: 56.771 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 97 Resp: 168751

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	43.3	31.4	47.0

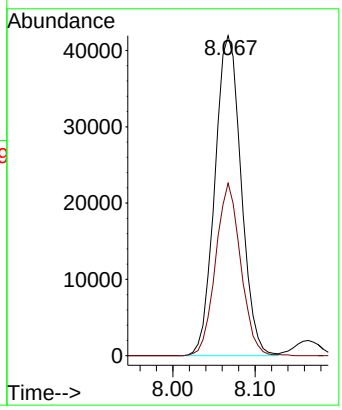




#33
1,2-Dichloroethane-d4
Concen: 59.079 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 65 Resp: 9308

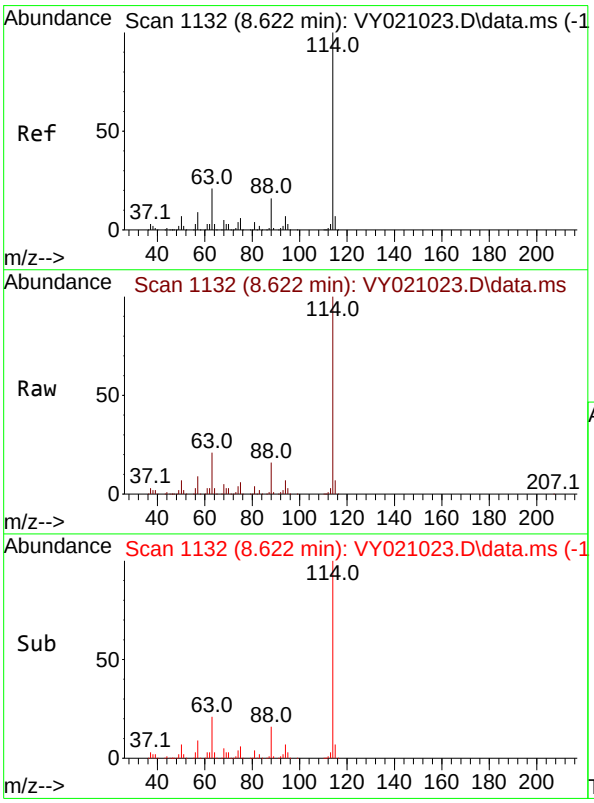
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

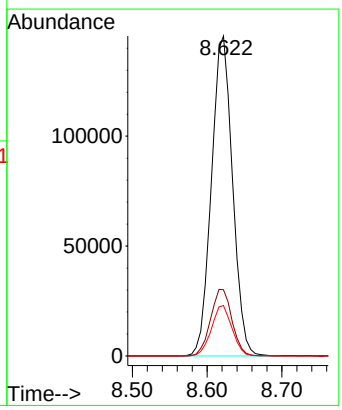
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

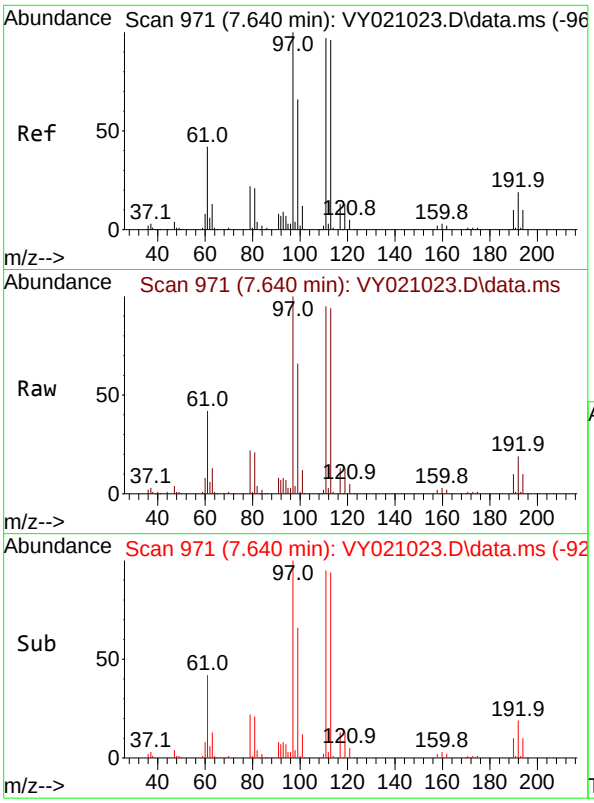


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:114 Resp: 285755

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	37.2
88	15.8	0.0	29.6

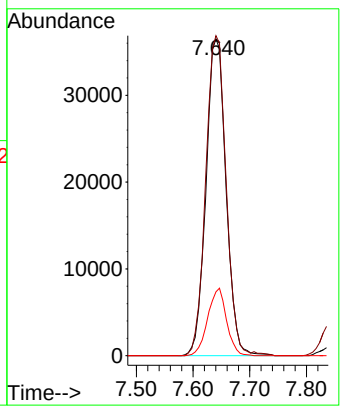




#35
Dibromofluoromethane
Concen: 52.107 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:113 Resp: 8951

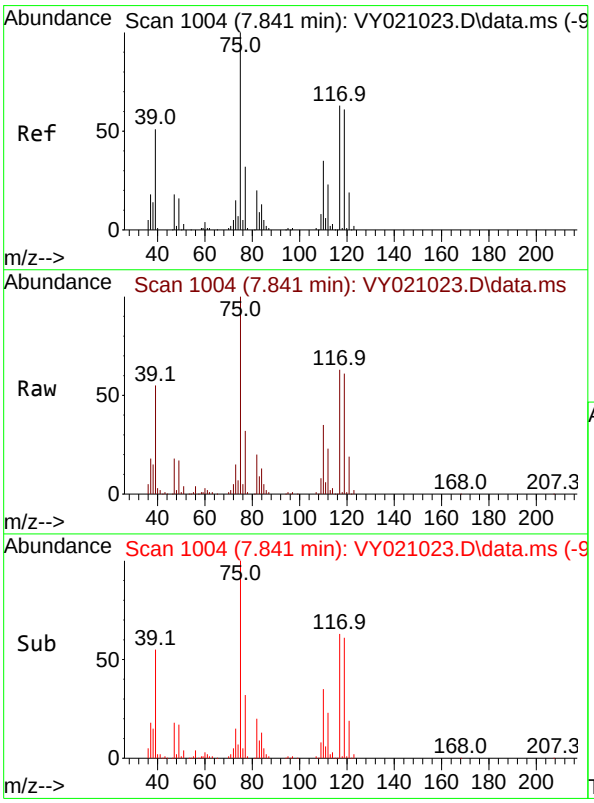
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	20.0	16.8	25.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

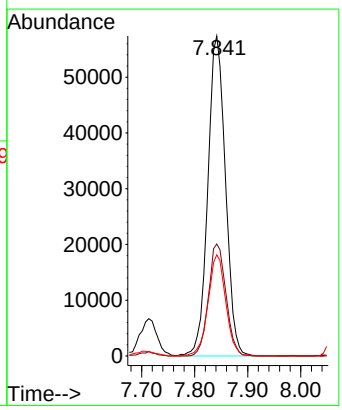
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

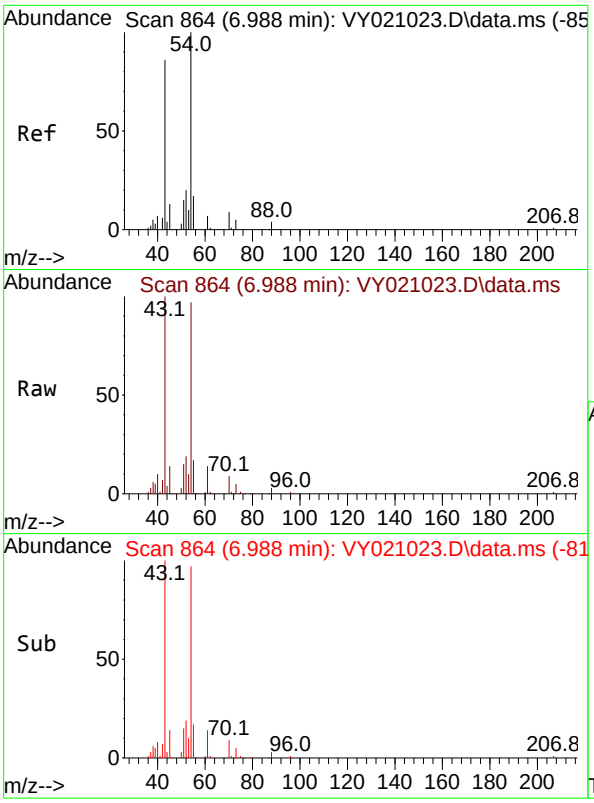


#36
1,1-Dichloropropene
Concen: 54.034 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 132425

Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.4	55.2
77	31.6	24.9	37.3





#37
Ethyl Acetate
Concen: 65.852 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

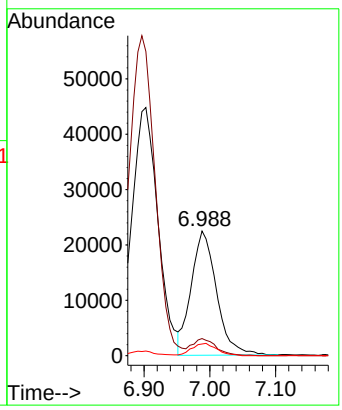
Tgt Ion: 43 Resp: 6016

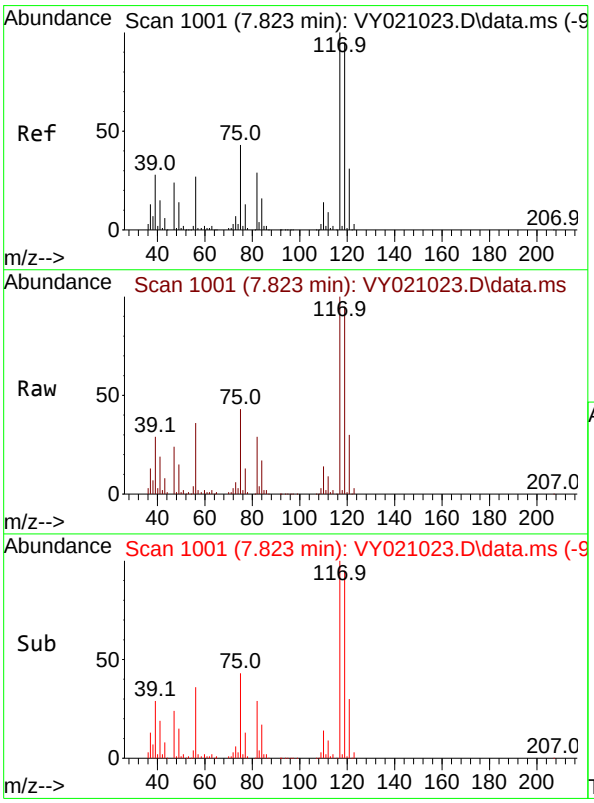
Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.4	17.0
70	9.7	9.6	14.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

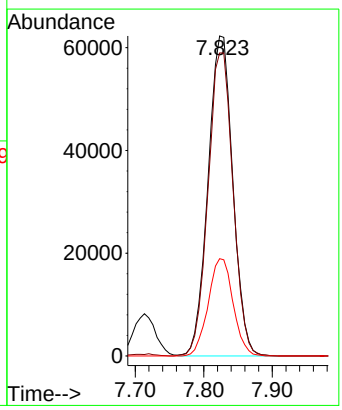


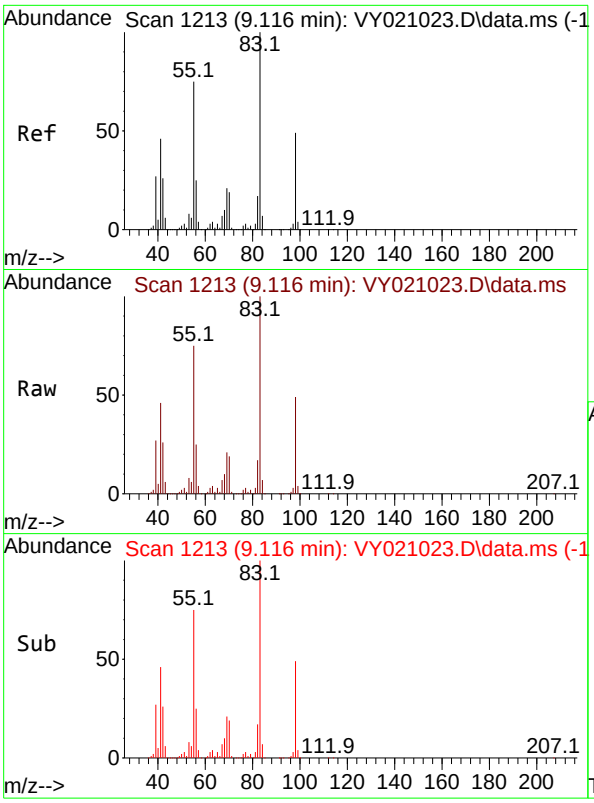


#38
Carbon Tetrachloride
Concen: 51.530 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:117 Resp: 156282

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.0	112.6
121	30.4	24.2	36.2





#39
Methylcyclohexane
Concen: 51.064 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

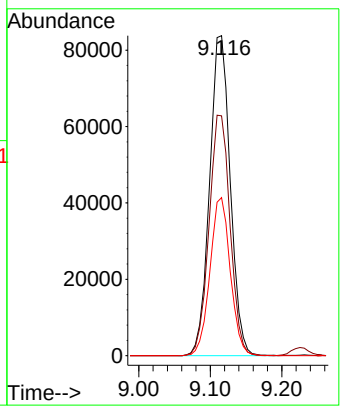
Tgt Ion: 83 Resp: 16811

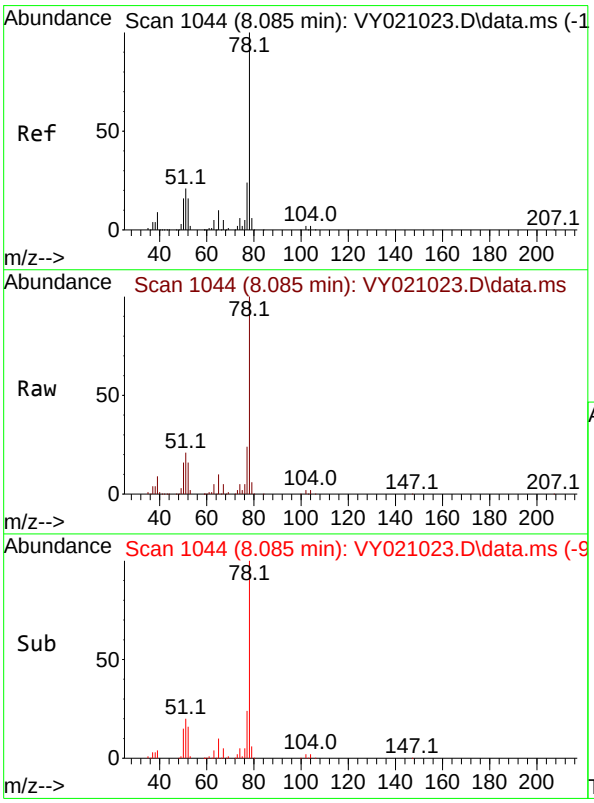
Ion	Ratio	Lower	Upper
83	100		
55	75.0	54.9	82.3
98	49.4	40.5	60.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

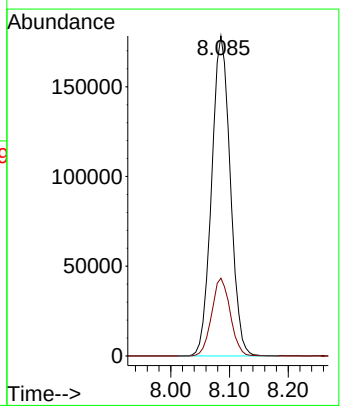


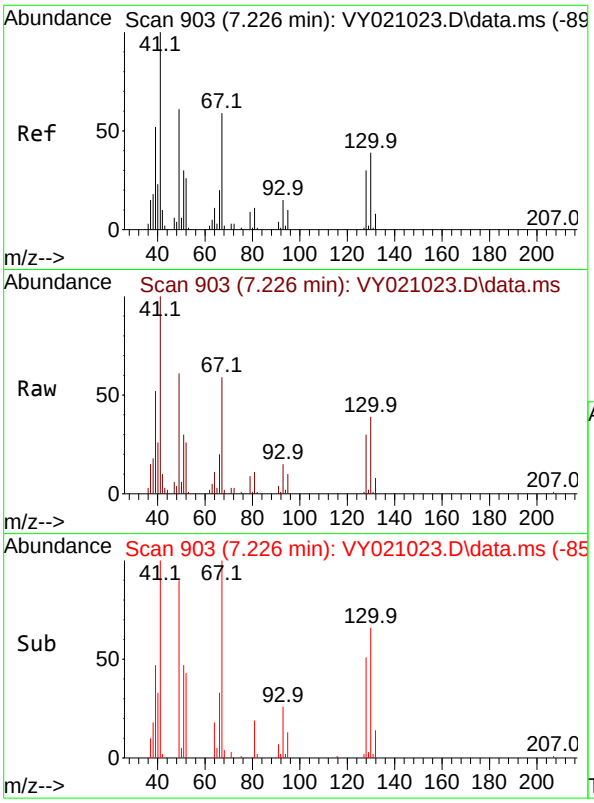


#40
Benzene
Concen: 54.594 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 78 Resp: 393690

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.2

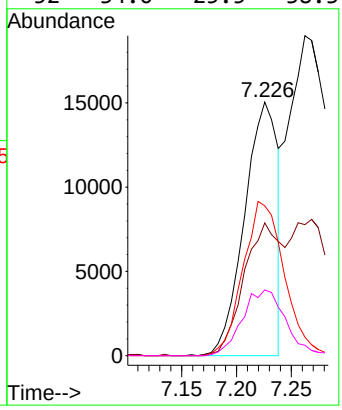




#41
Methacrylonitrile
Concen: 62.707 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 41 Resp: 3170

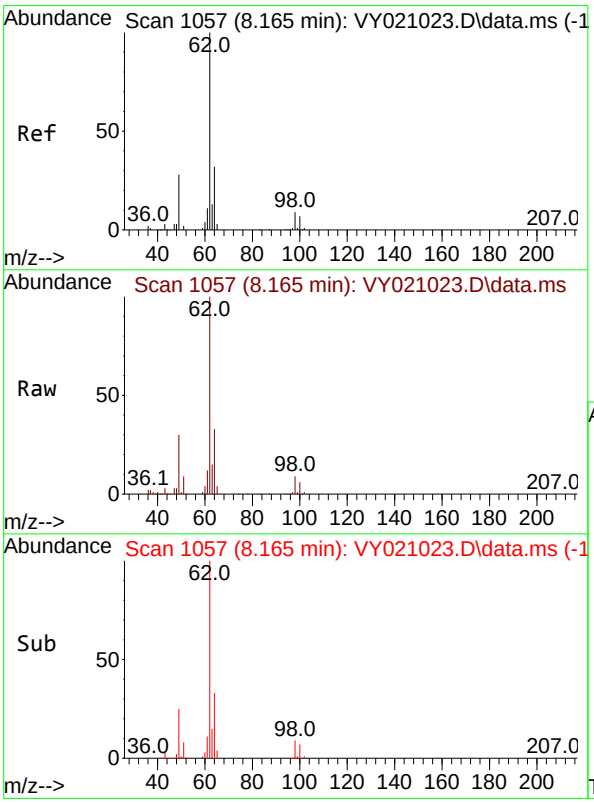
Ion	Ratio	Lower	Upper
41	100		
39	60.9	41.6	62.4
67	75.8	63.8	95.6
52	34.0	25.5	38.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

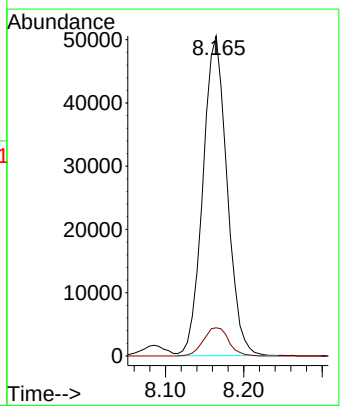
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

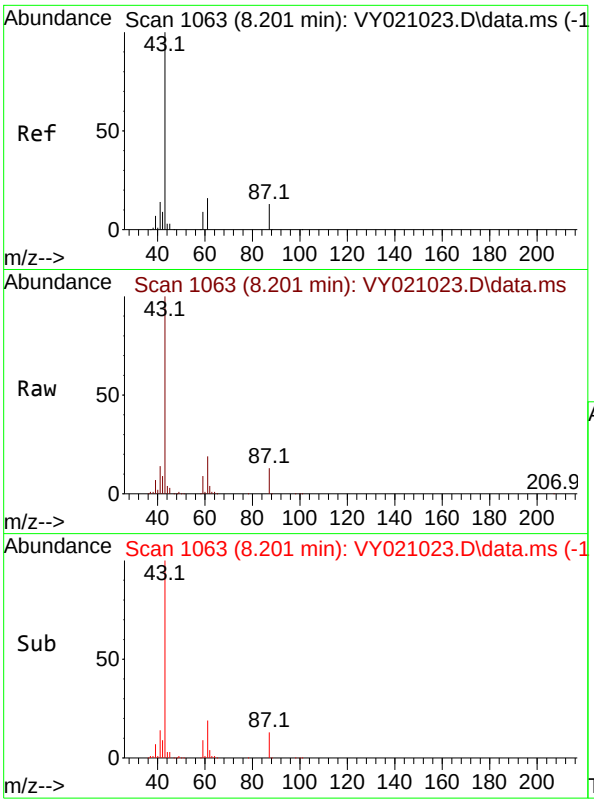


#42
1,2-Dichloroethane
Concen: 59.191 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 62 Resp: 108251

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.4

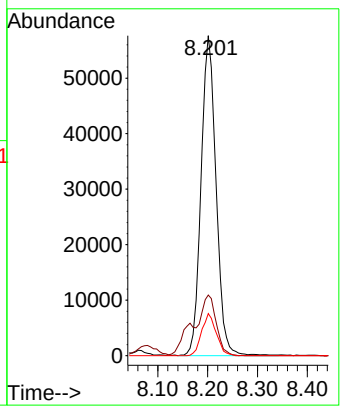




#43
Isopropyl Acetate
Concen: 66.087 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 12063

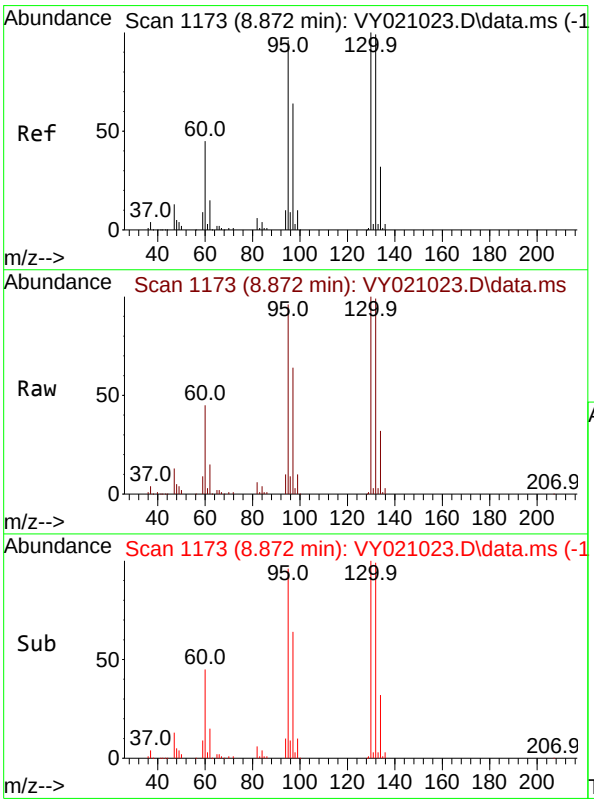
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.8	23.6
87	12.8	12.5	18.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

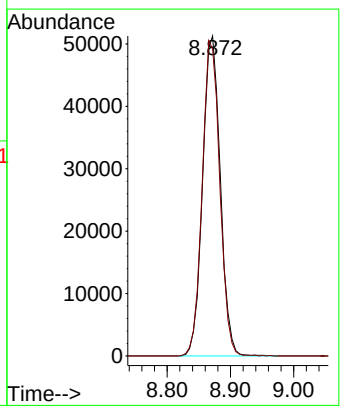
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

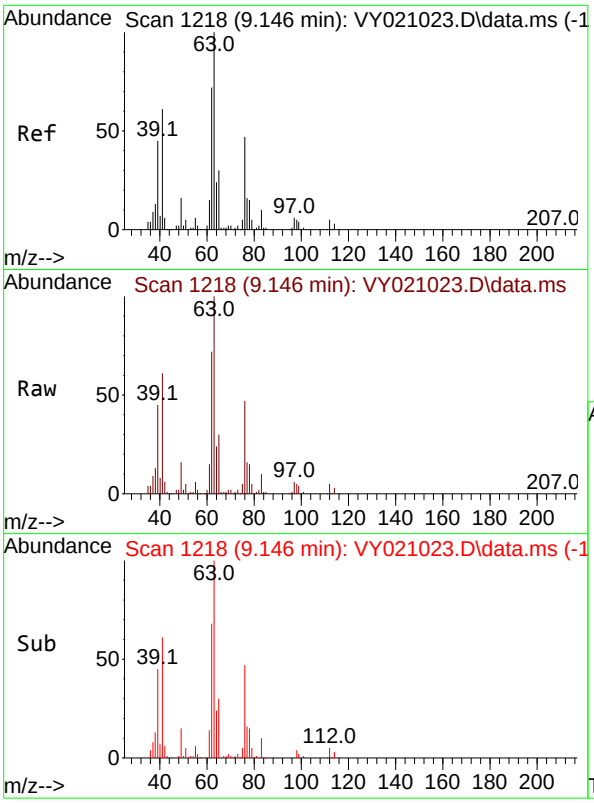


#44
Trichloroethene
Concen: 50.121 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:130 Resp: 99733

Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	189.6

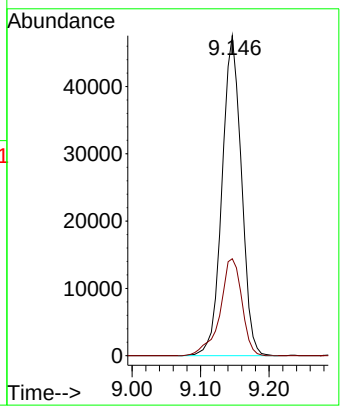




#45
1,2-Dichloropropane
Concen: 57.754 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 63 Resp: 9334

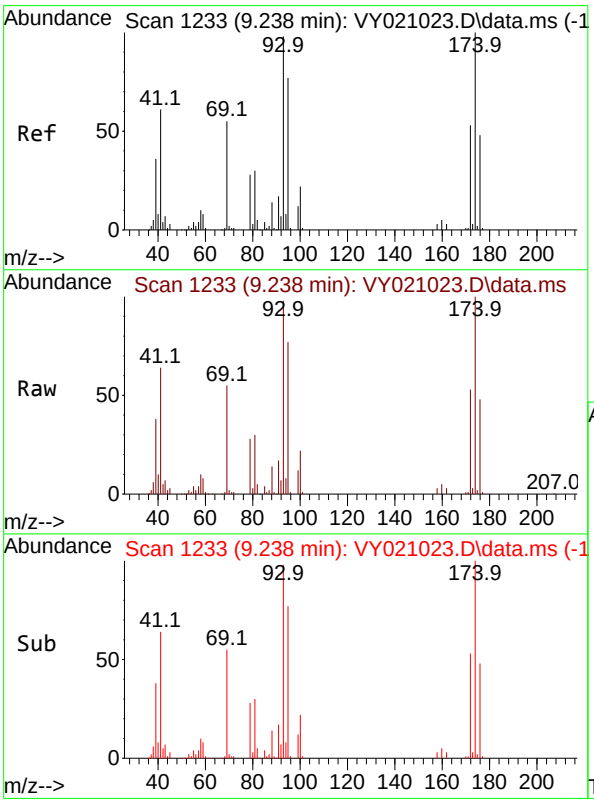
Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.6	35.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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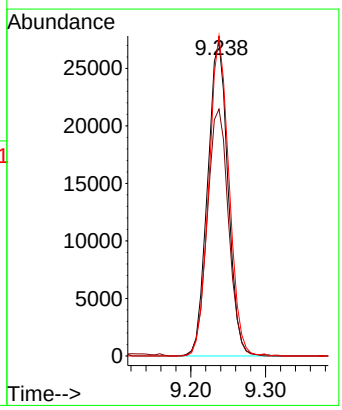
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

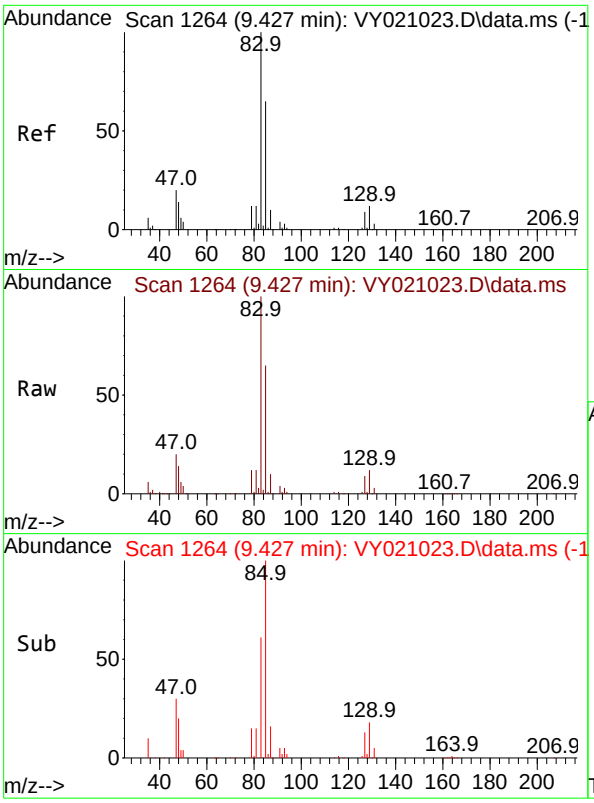


#46
Dibromomethane
Concen: 55.001 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 93 Resp: 51734

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.8	98.8
174	100.9	88.1	132.1

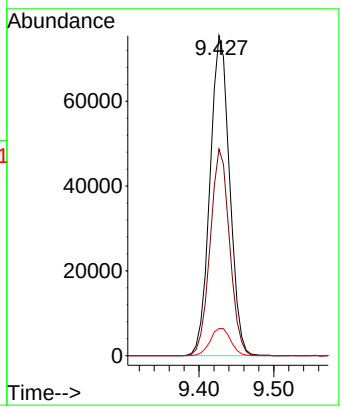




#47
Bromodichloromethane
Concen: 55.807 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 83 Resp: 13785

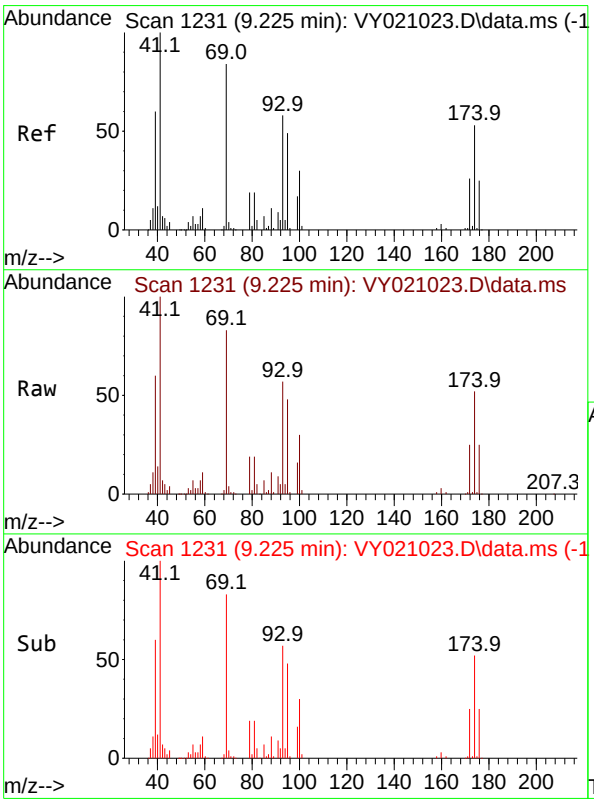
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.6	74.4
127	8.5	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

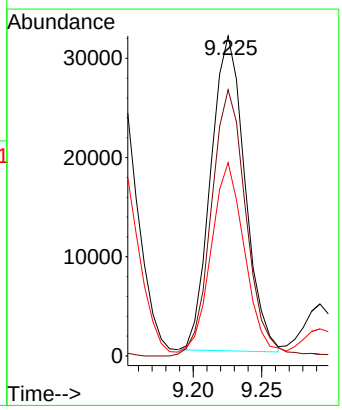
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

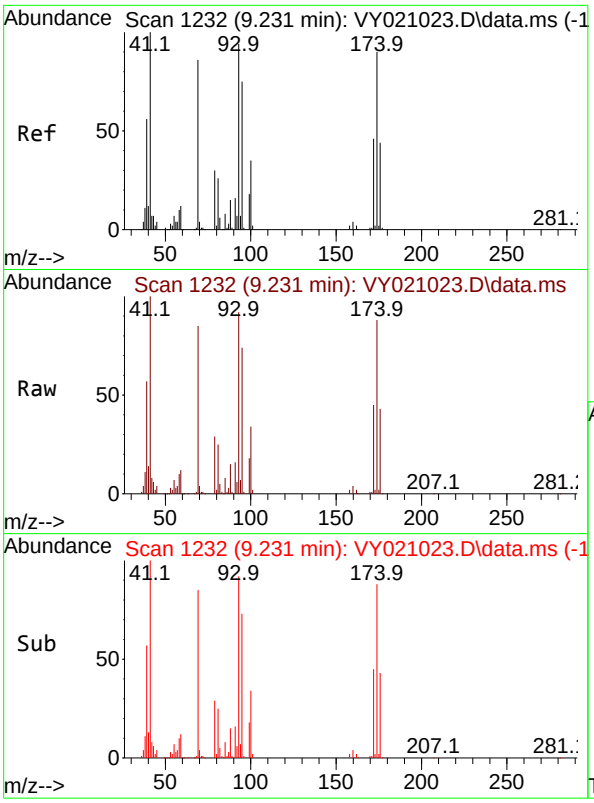


#48
Methyl methacrylate
Concen: 63.113 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 41 Resp: 54848

Ion	Ratio	Lower	Upper
41	100		
69	87.0	75.6	113.4
39	58.6	41.3	61.9





#49
1,4-Dioxane
Concen: 1003.514 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

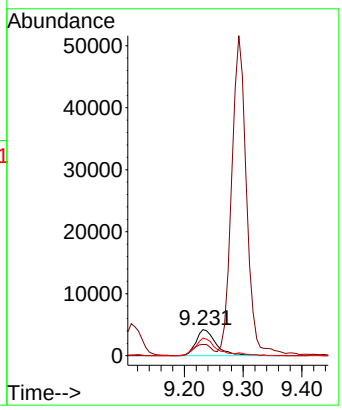
Tgt Ion: 88 Resp: 1003

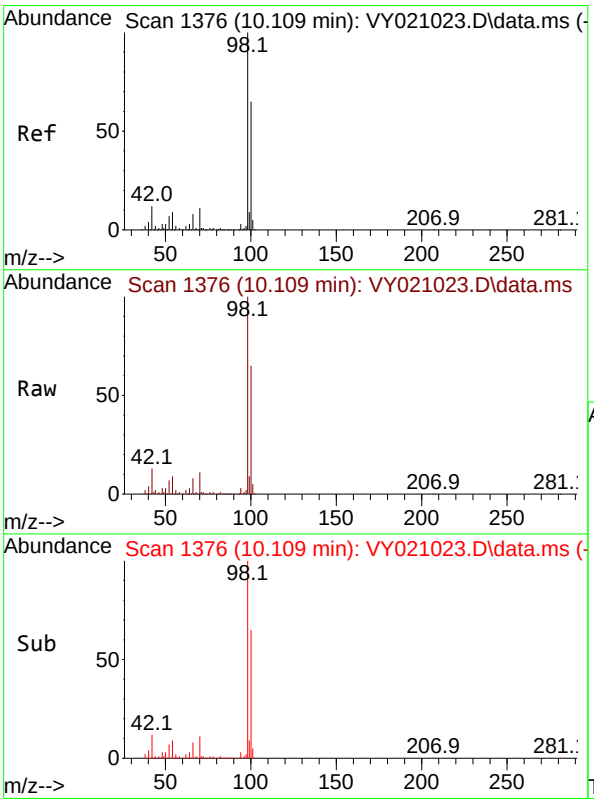
Ion	Ratio	Lower	Upper
88	100		
43	40.4	24.2	36.4
58	67.0	57.3	85.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

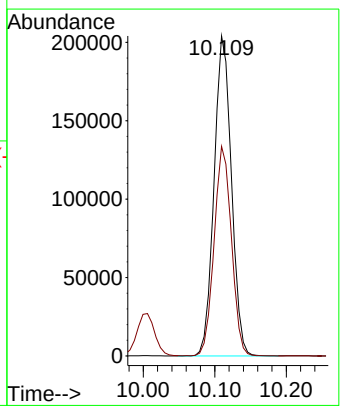


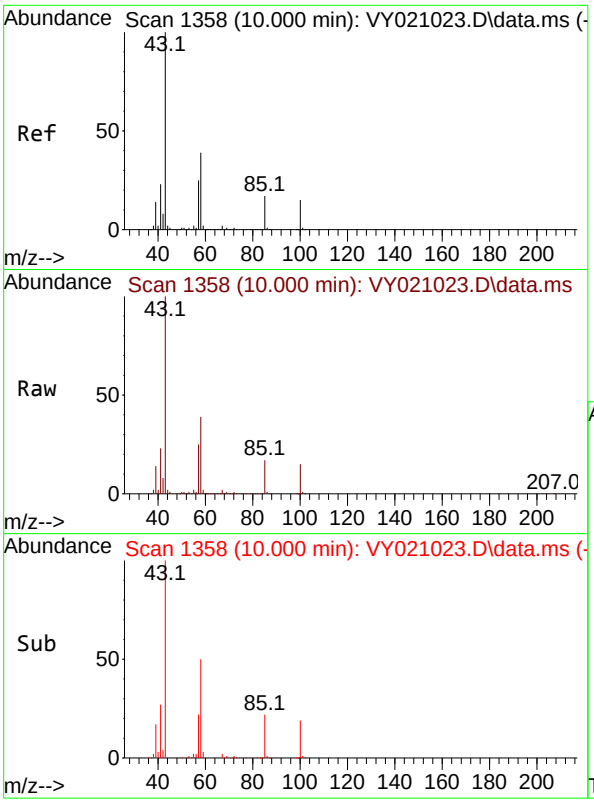


#50
Toluene-d8
Concen: 51.243 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 98 Resp: 343592

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.6	79.0

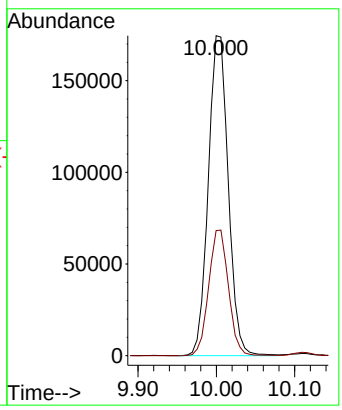




#51
4-Methyl-2-Pentanone
Concen: 329.038 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 30861

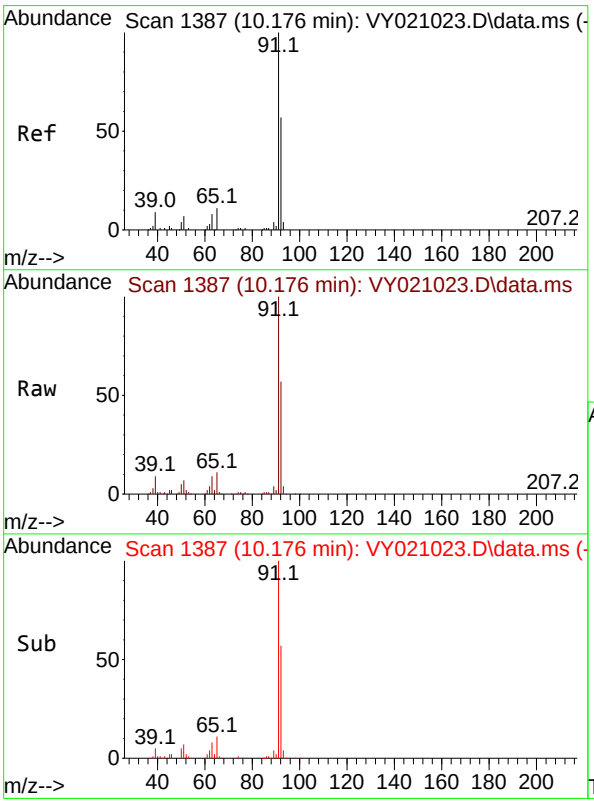
Ion	Ratio	Lower	Upper
43	100		
58	39.0	33.8	50.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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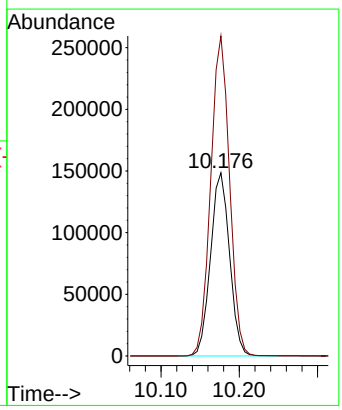
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

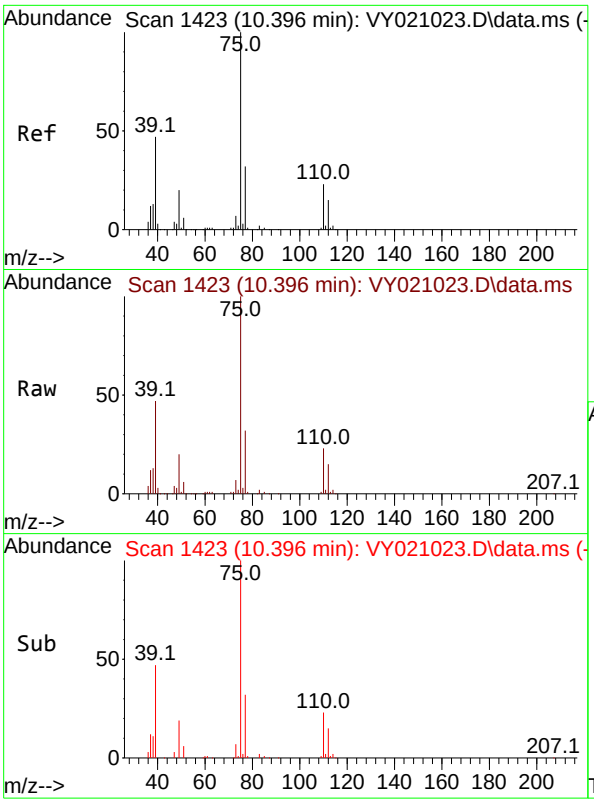


#52
Toluene
Concen: 53.469 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 92 Resp: 250280

Ion	Ratio	Lower	Upper
92	100		
91	173.3	135.8	203.8

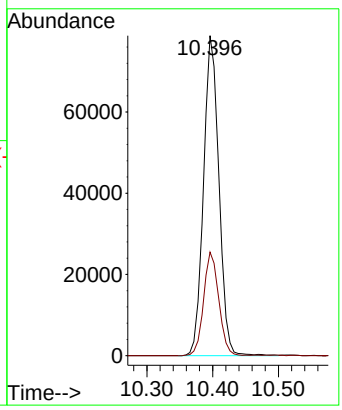




#53
t-1,3-Dichloropropene
Concen: 57.403 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 12831

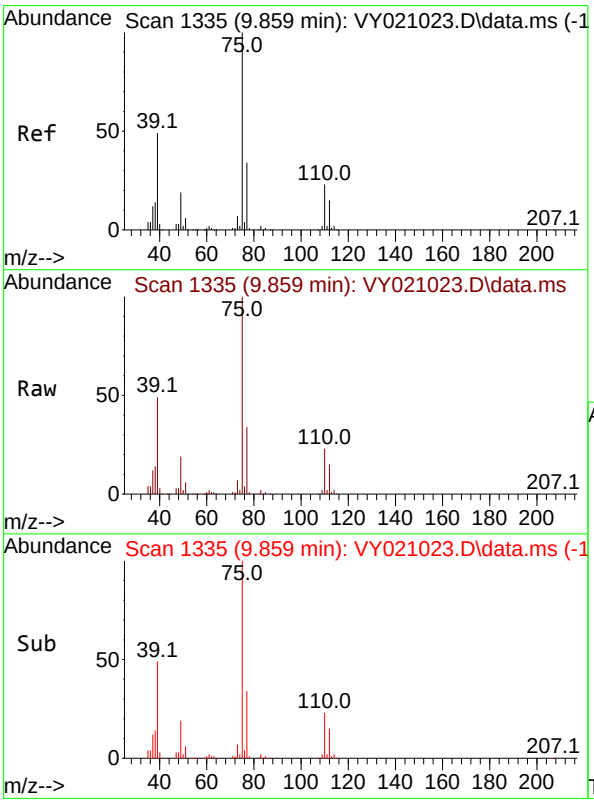
Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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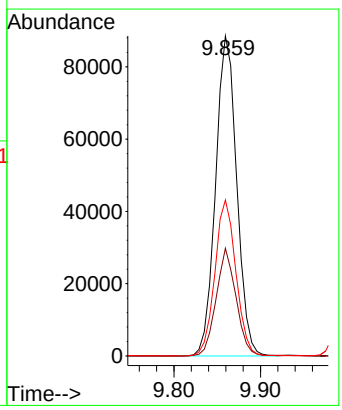
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

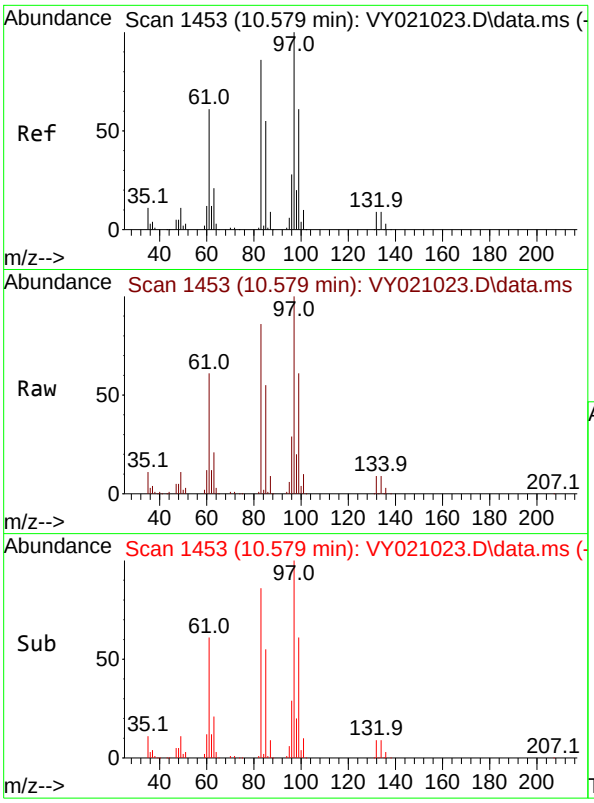


#54
cis-1,3-Dichloropropene
Concen: 56.133 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 149965

Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.4	38.0
39	48.7	32.2	48.2#

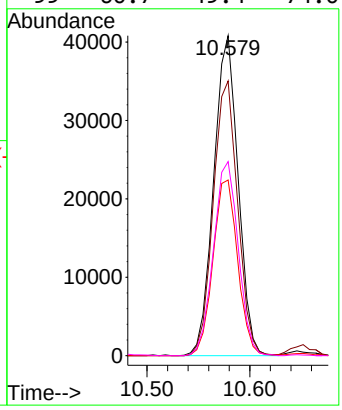




#55
1,1,2-Trichloroethane
Concen: 53.761 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 97 Resp: 6724

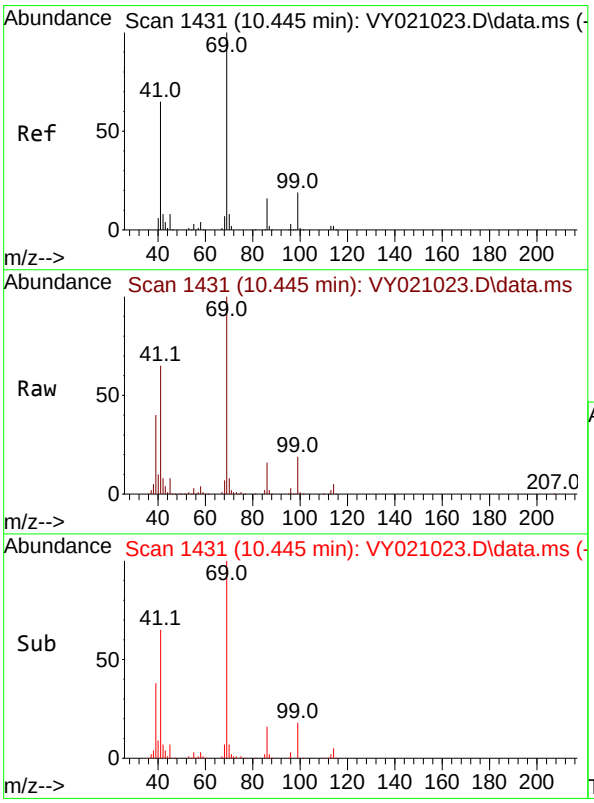
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.7	101.5
85	54.9	43.4	65.2
99	60.7	49.4	74.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

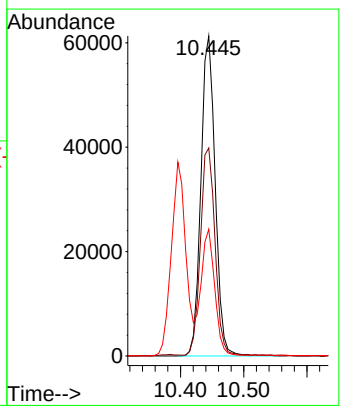
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

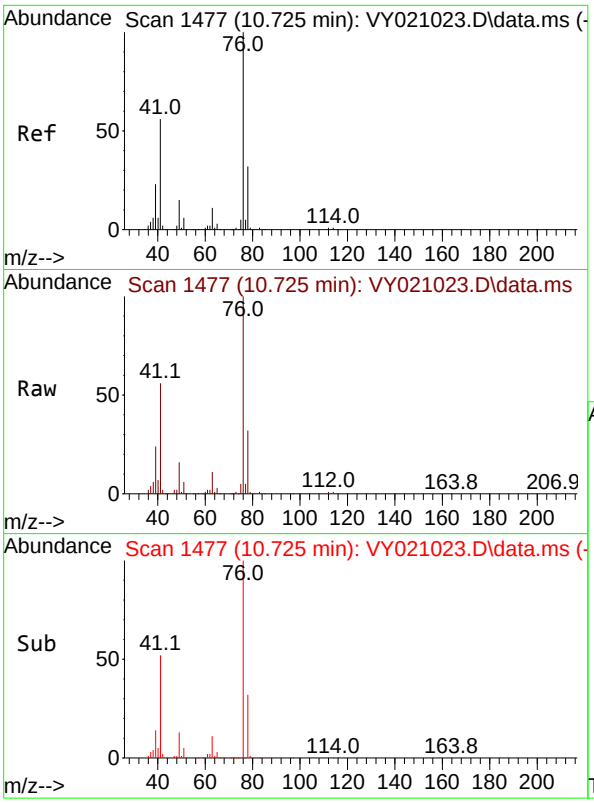


#56
Ethyl methacrylate
Concen: 59.067 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 69 Resp: 96579

Ion	Ratio	Lower	Upper
69	100		
41	65.9	46.3	69.5
39	38.2	24.5	36.7#

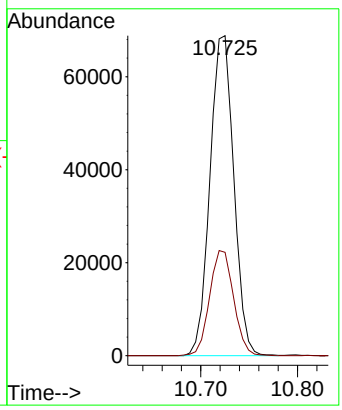




#57
1,3-Dichloropropane
Concen: 55.483 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 76 Resp: 11763

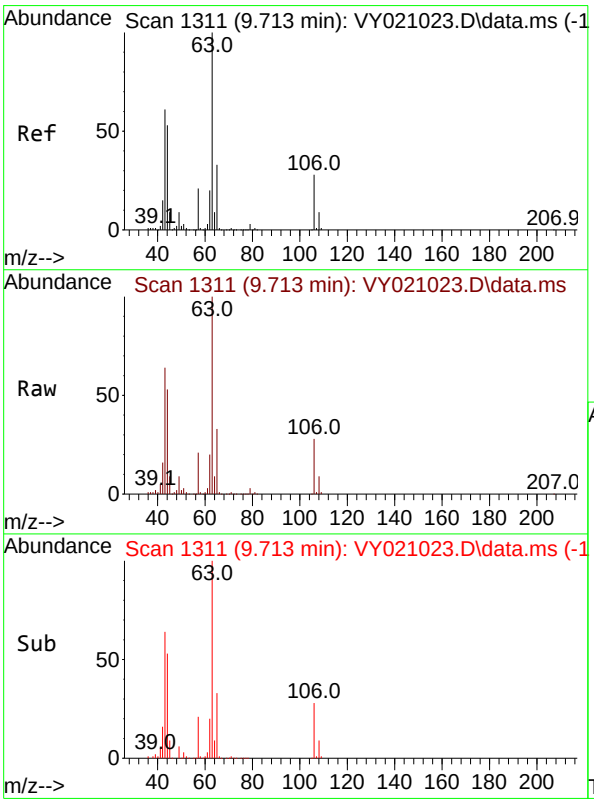
Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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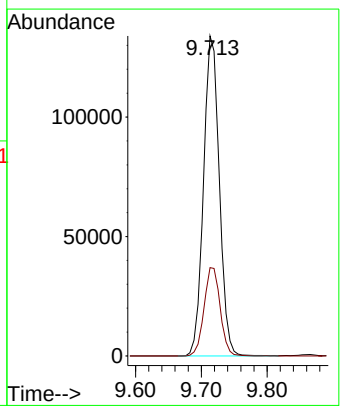
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

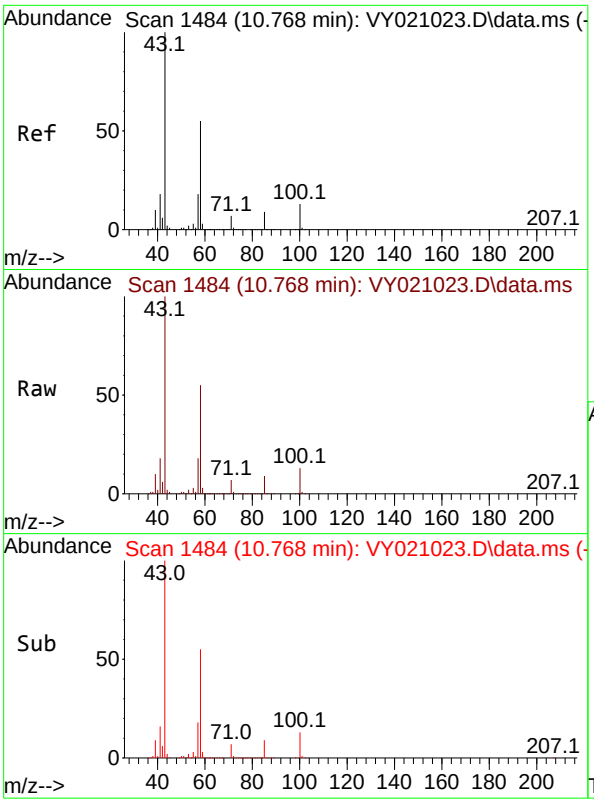


#58
2-Chloroethyl Vinyl ether
Concen: 322.966 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 63 Resp: 224134

Ion	Ratio	Lower	Upper
63	100		
106	28.1	24.7	37.1





#59
2-Hexanone
Concen: 336.612 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

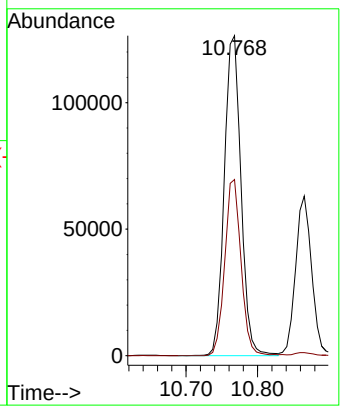
Tgt Ion: 43 Resp: 20521

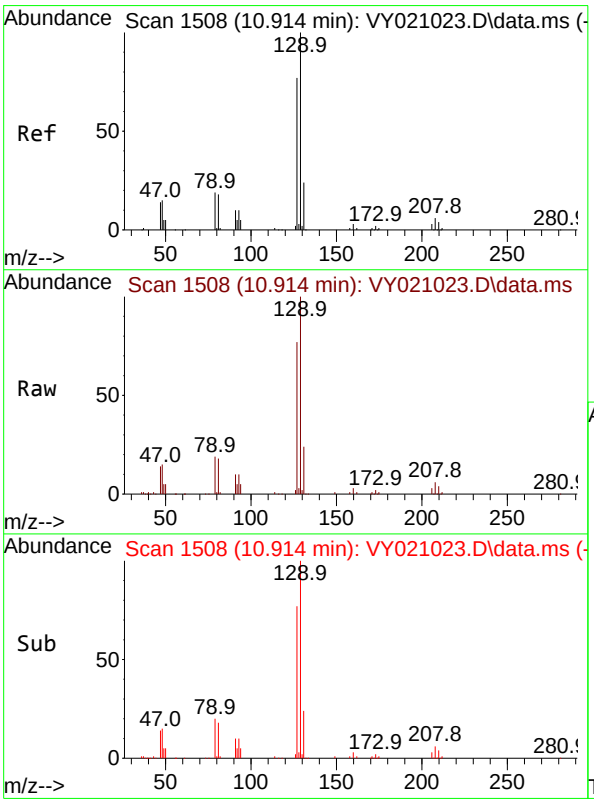
Ion	Ratio	Lower	Upper
43	100		
58	53.8	29.8	89.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

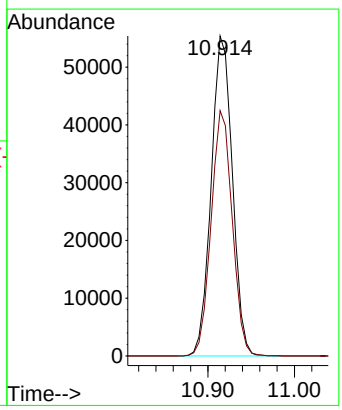


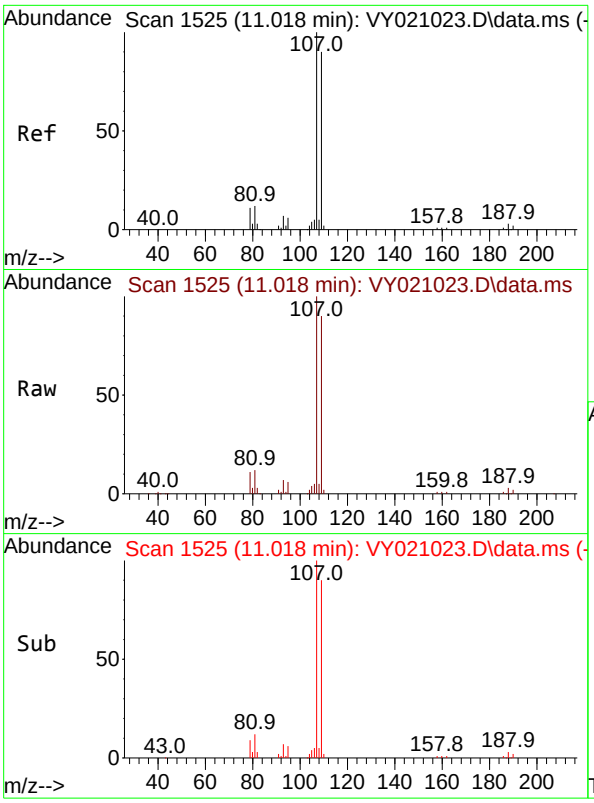


#60
Dibromochloromethane
Concen: 52.680 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:129 Resp: 93957

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.5	115.3

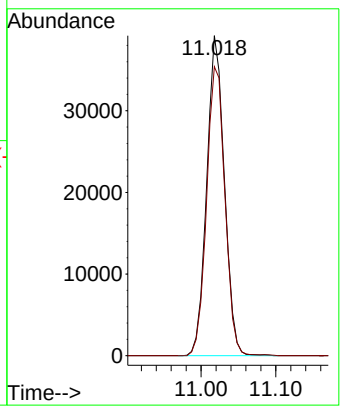




#61
1,2-Dibromoethane
Concen: 53.845 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:107 Resp: 6433

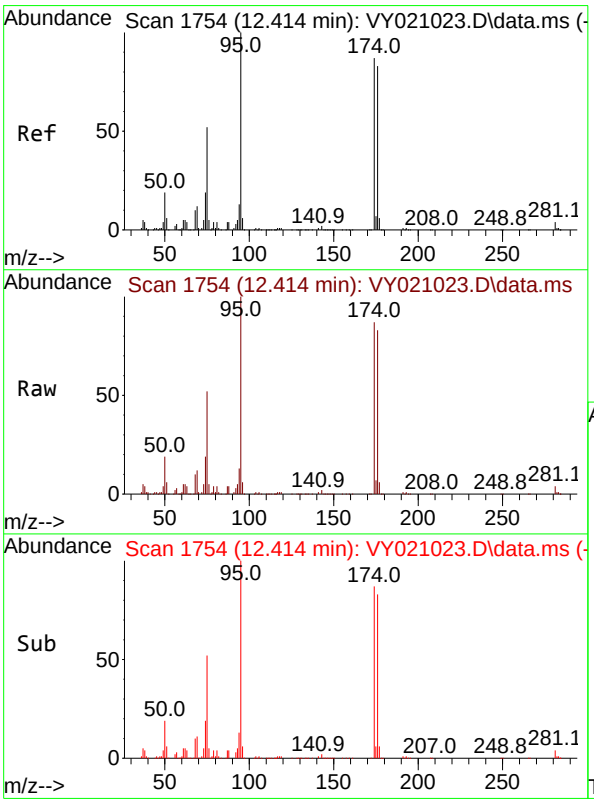
Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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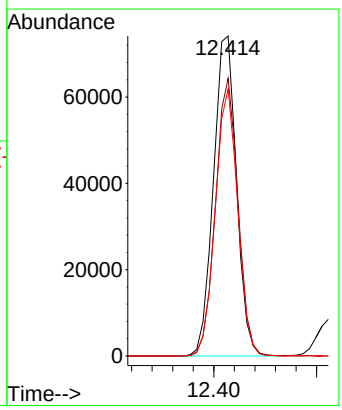
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

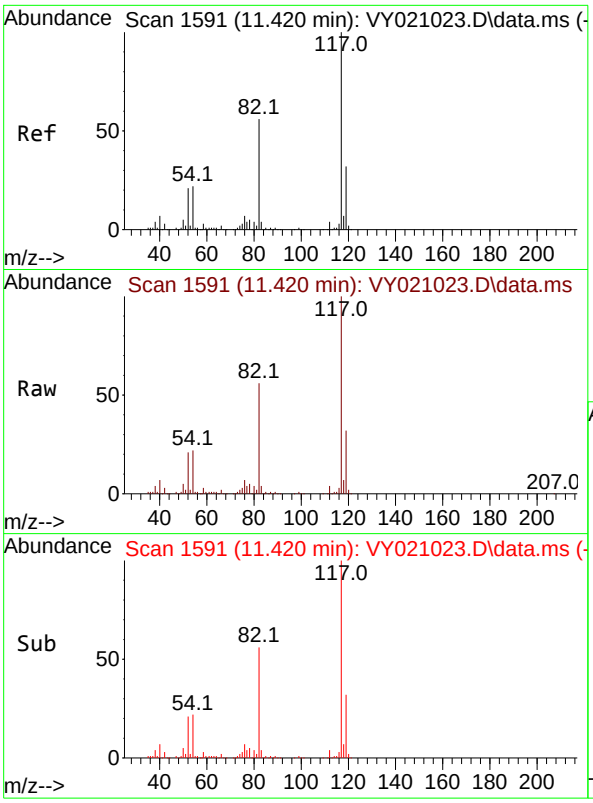


#62
4-Bromofluorobenzene
Concen: 51.200 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 95 Resp: 115197

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	181.2
176	81.5	0.0	175.2

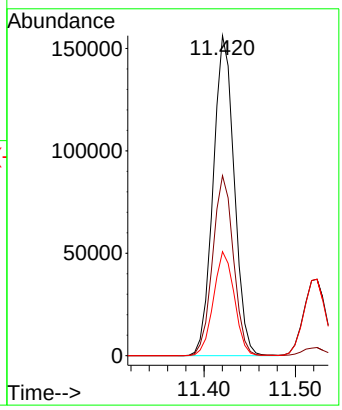




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:117 Resp: 25015

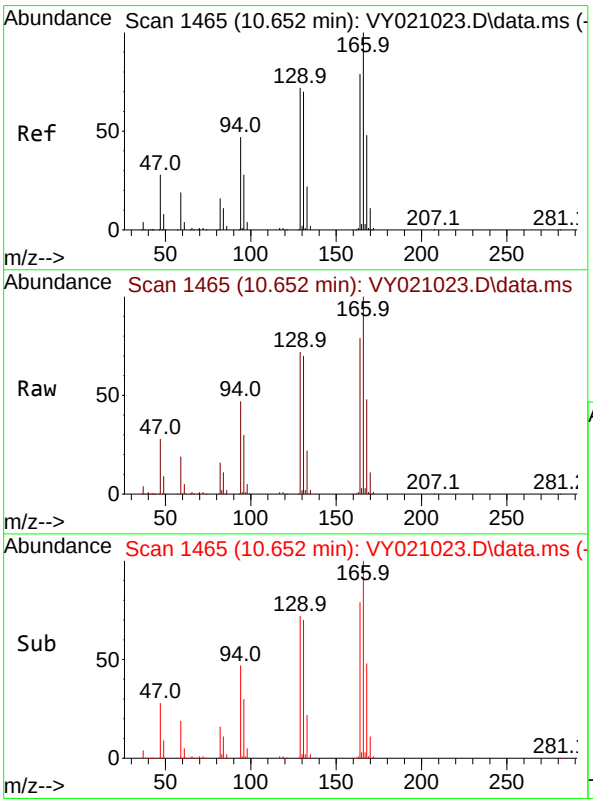
Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.2	66.2
119	32.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

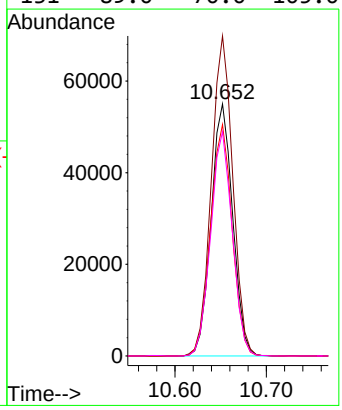
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

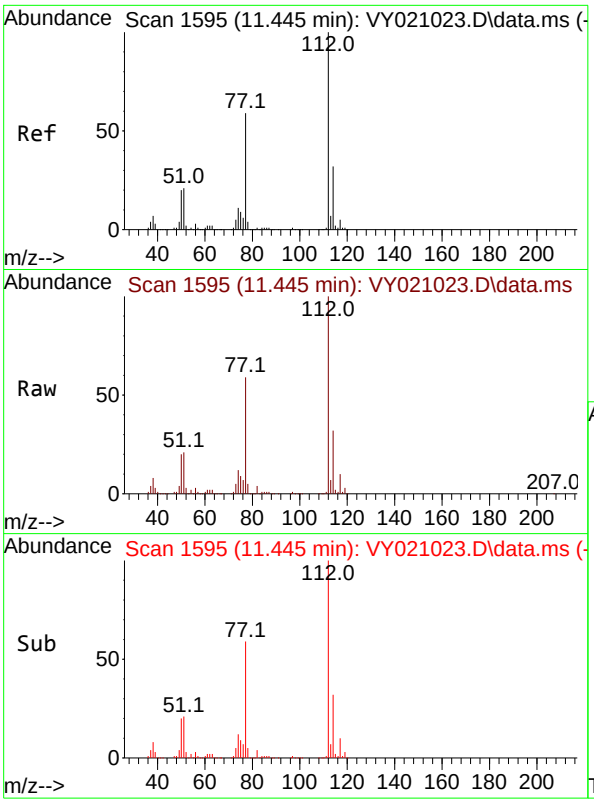


#64
Tetrachloroethene
Concen: 47.817 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:164 Resp: 90228

Ion	Ratio	Lower	Upper
164	100		
166	127.0	100.4	150.6
129	91.8	70.8	106.2
131	89.0	70.0	105.0

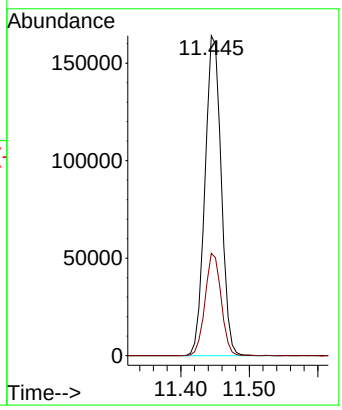




#65
Chlorobenzene
Concen: 51.263 ug/l
RT: 11.445 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:112 Resp: 27017

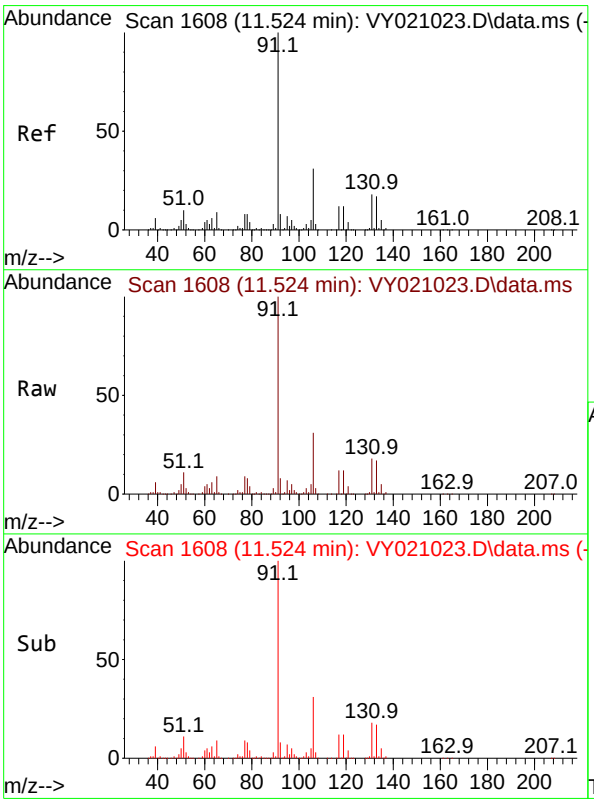
Ion	Ratio	Lower	Upper
112	100		
114	32.0	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

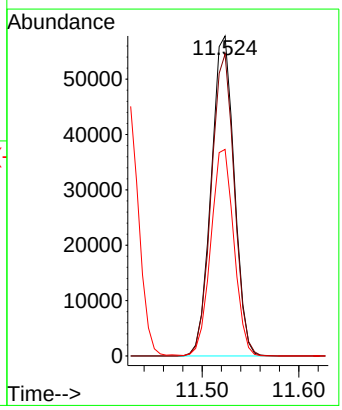
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

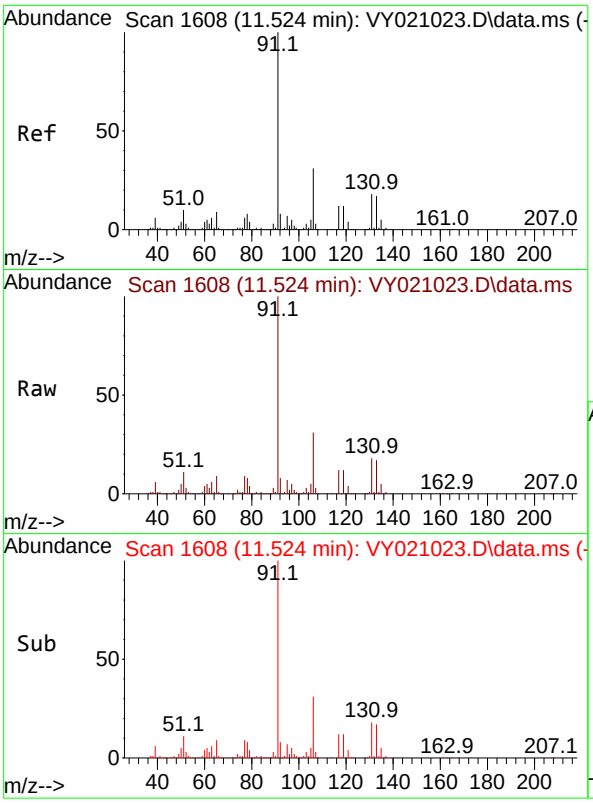


#66
1,1,1,2-Tetrachloroethane
Concen: 51.137 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:131 Resp: 95653

Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.7	146.1
119	64.7	31.4	94.3

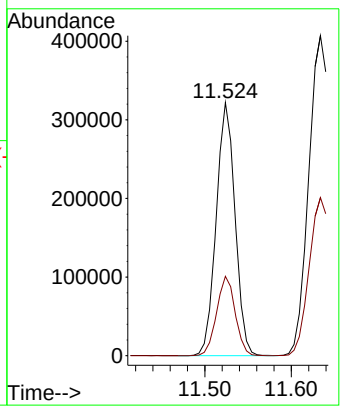




#67
Ethyl Benzene
Concen: 53.265 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 48605

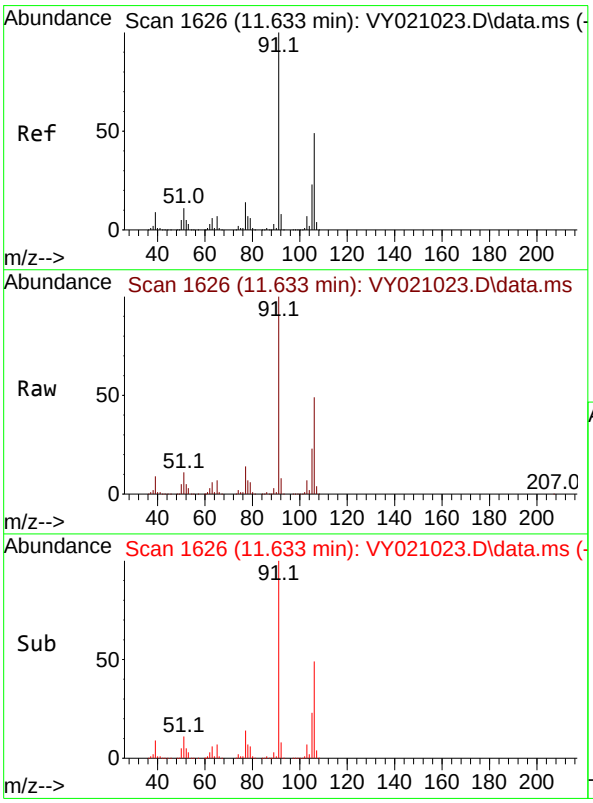
Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

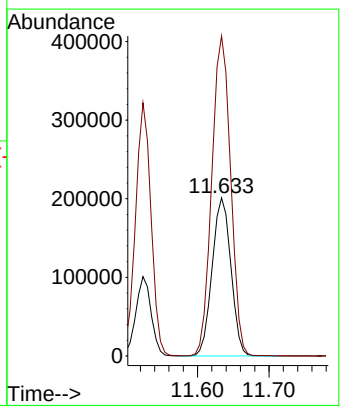
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

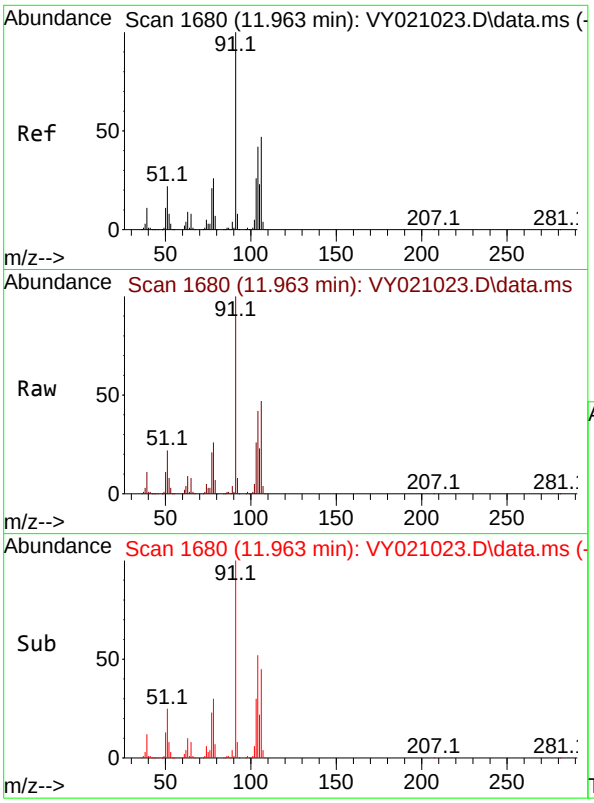


#68
m/p-Xylenes
Concen: 104.538 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:106 Resp: 366509

Ion	Ratio	Lower	Upper
106	100		
91	203.4	160.0	240.0

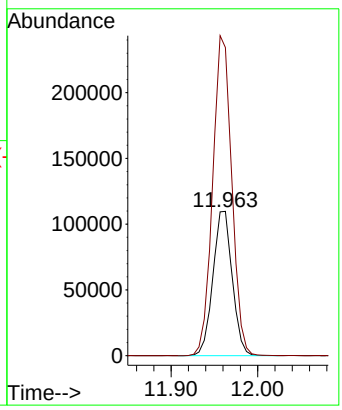




#69
o-Xylene
Concen: 52.229 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:106 Resp: 17022

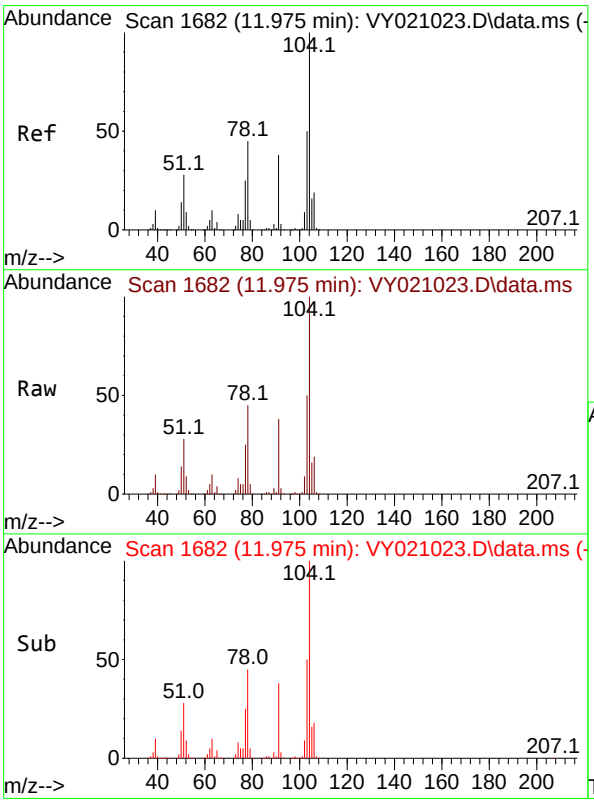
Ion	Ratio	Lower	Upper
106	100		
91	218.8	105.8	317.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

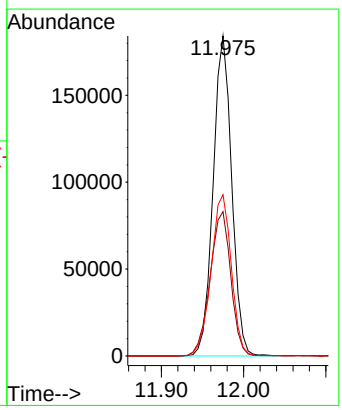
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

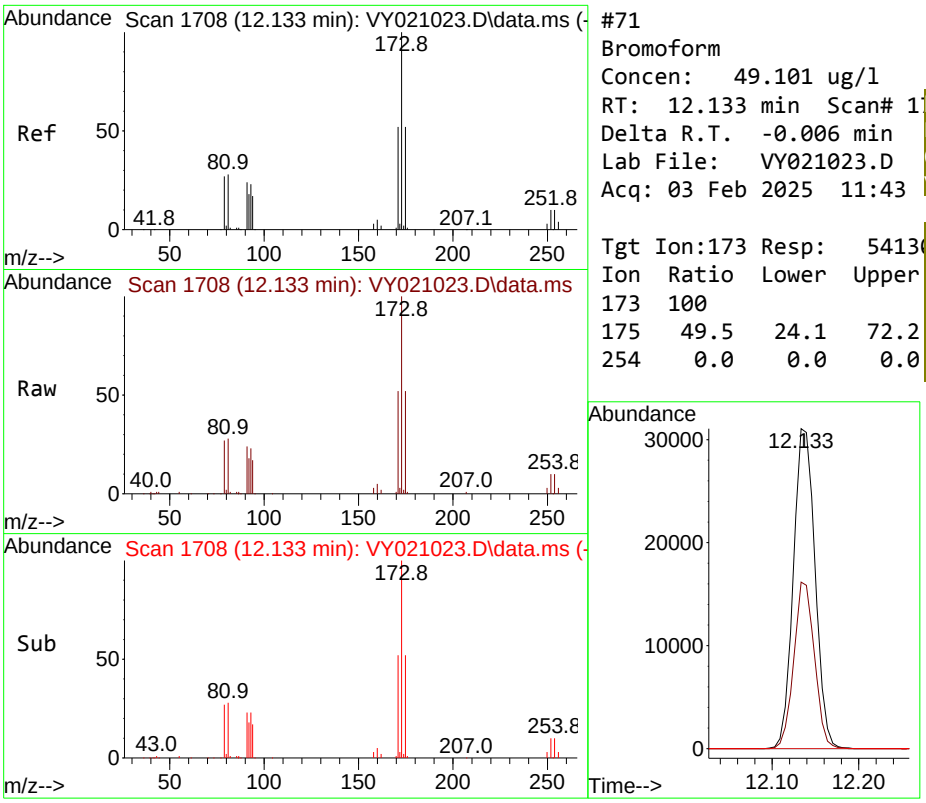


#70
Styrene
Concen: 53.426 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:104 Resp: 289102

Ion	Ratio	Lower	Upper
104	100		
78	50.6	39.0	58.4
103	55.0	43.7	65.5





#71
Bromoform
Concen: 49.101 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

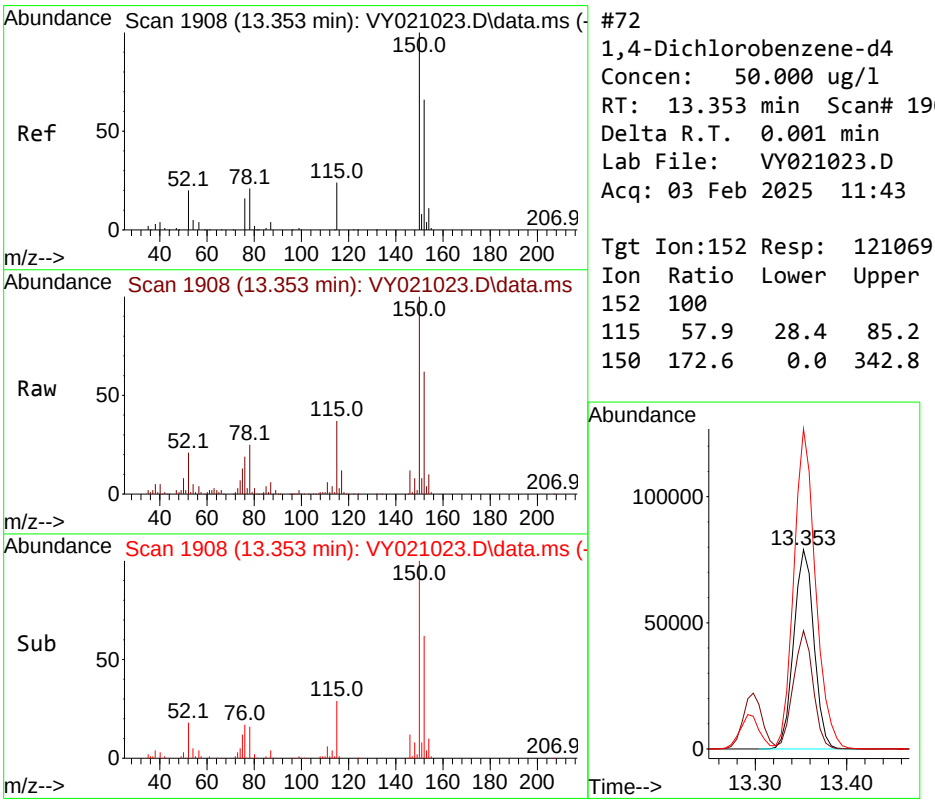
Tgt Ion:173 Resp: 5413

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.2
254	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

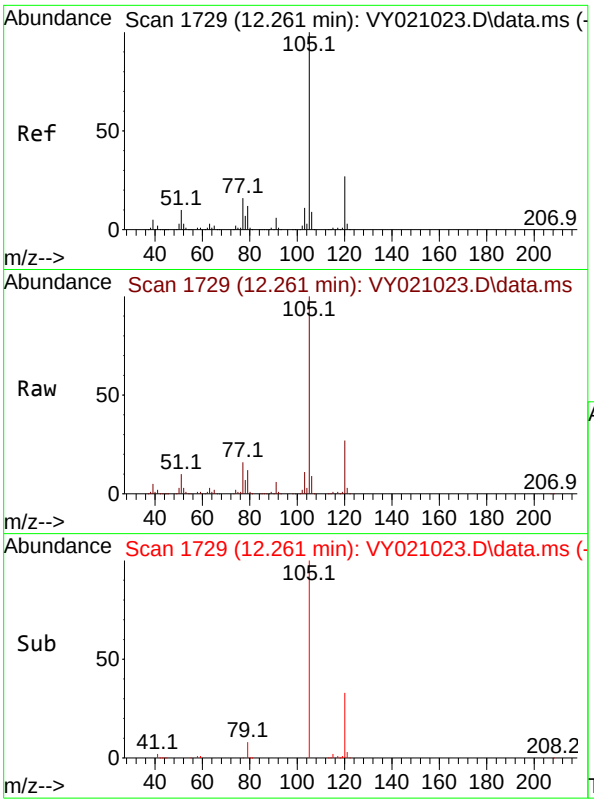
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:152 Resp: 121069

Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.4	85.2
150	172.6	0.0	342.8



#73
Isopropylbenzene
Concen: 54.240 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

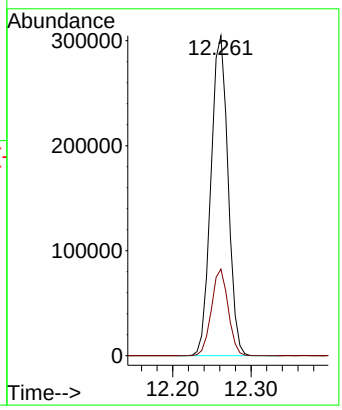
Tgt Ion:105 Resp: 46119

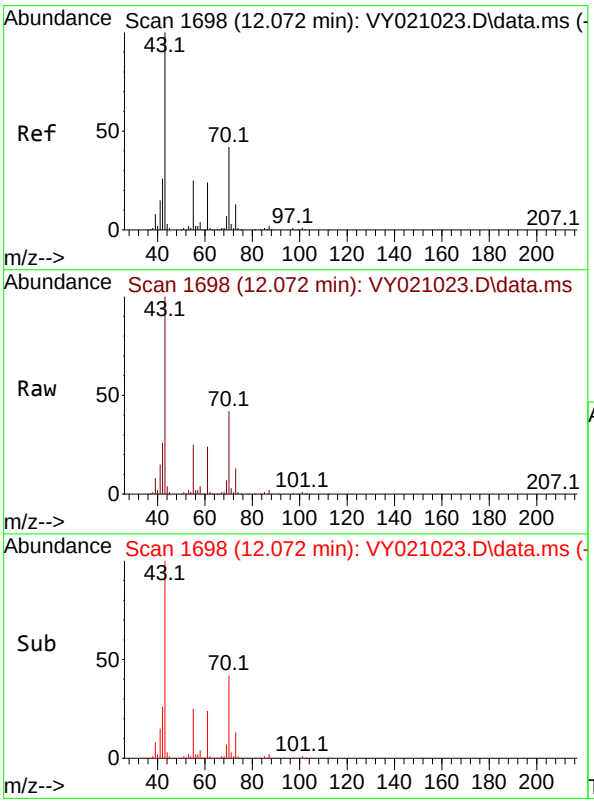
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

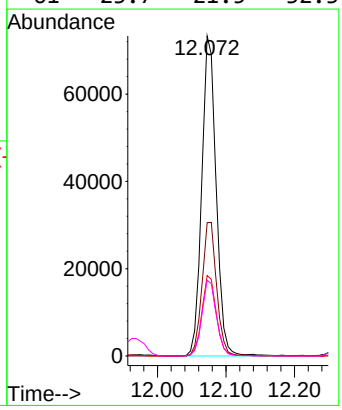


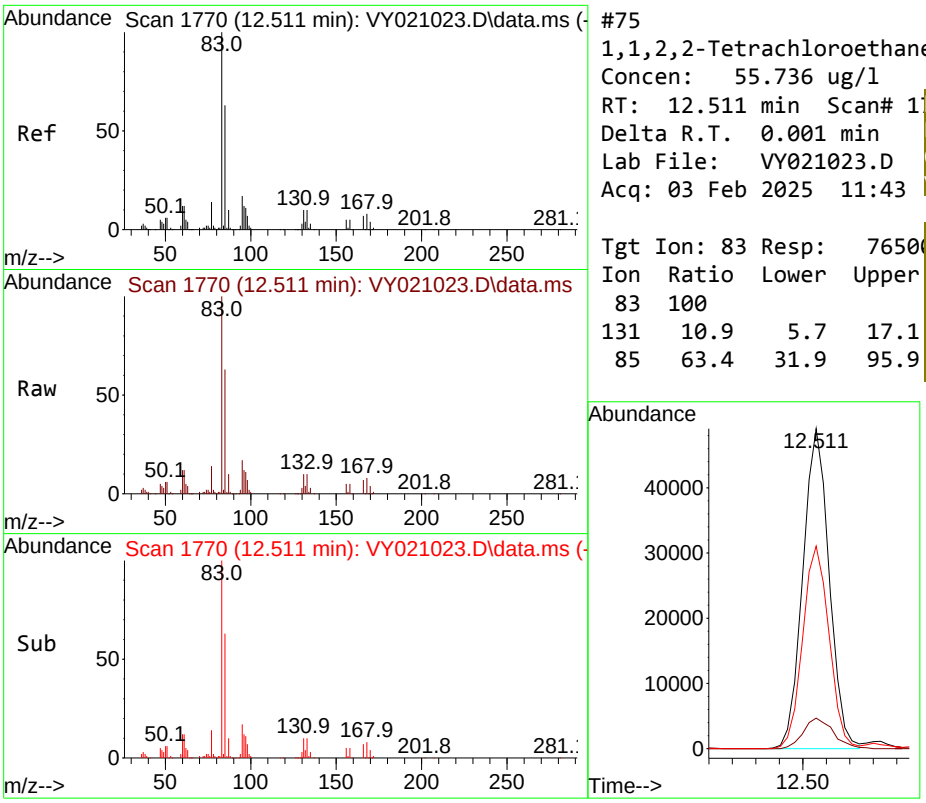


#74
N-amyl acetate
Concen: 69.346 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 107371

Ion	Ratio	Lower	Upper
43	100		
70	42.3	39.3	58.9
55	25.3	22.3	33.5
61	23.7	21.5	32.3





#75
1,1,2,2-Tetrachloroethane
Concen: 55.736 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

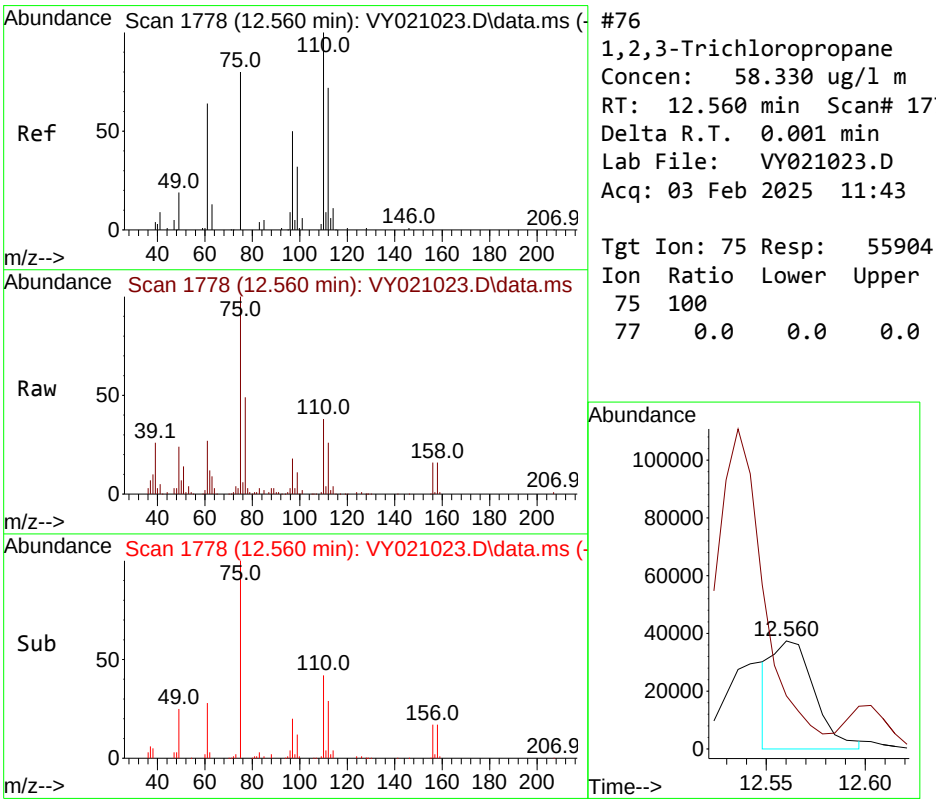
Tgt Ion: 83 Resp: 7650

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.7	17.1
85	63.4	31.9	95.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

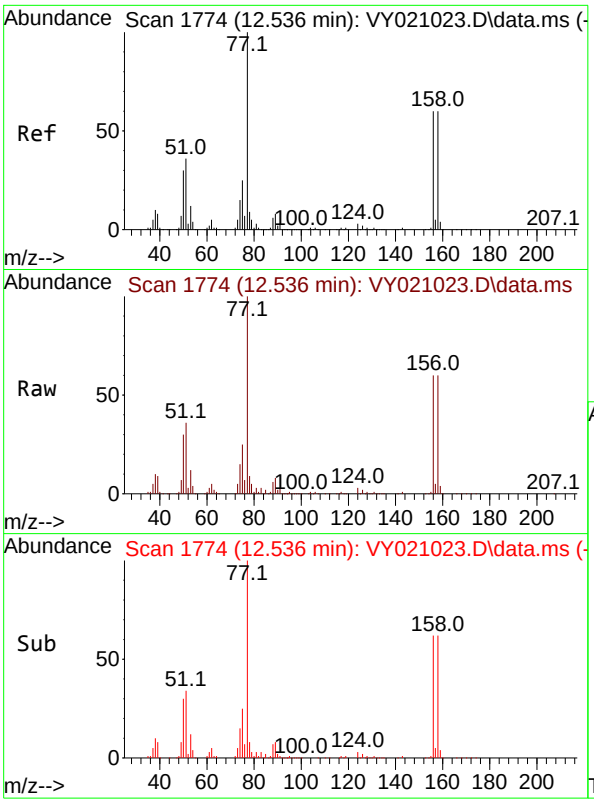
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#76
1,2,3-Trichloropropane
Concen: 58.330 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 55904

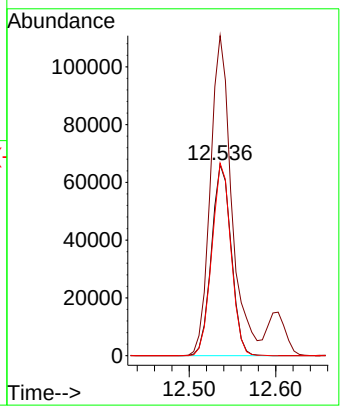
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 51.889 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:156 Resp: 10460

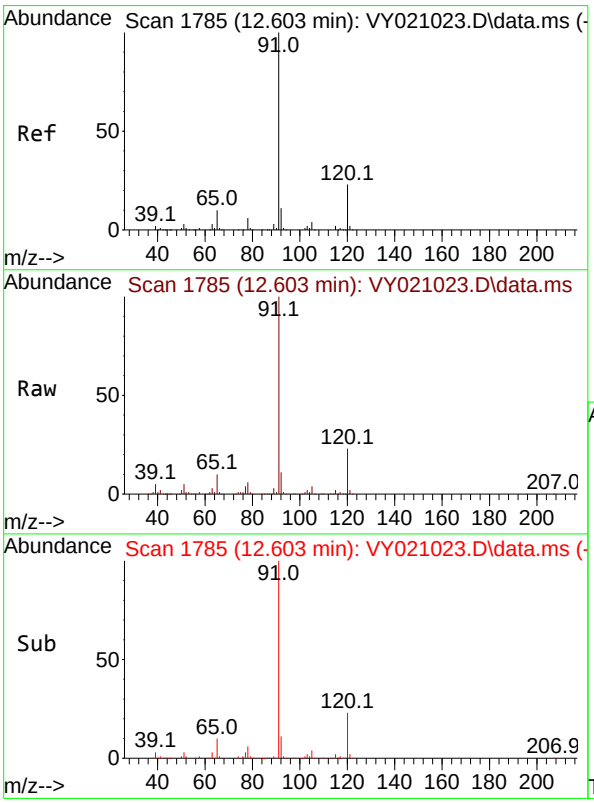
Ion	Ratio	Lower	Upper
156	100		
77	180.1	83.3	249.9
158	97.9	48.3	144.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

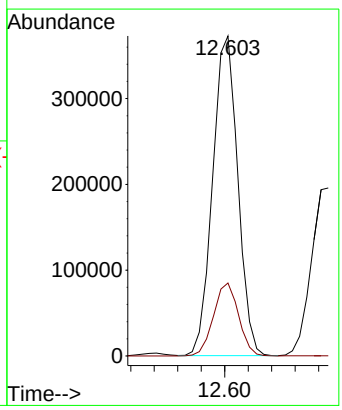
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

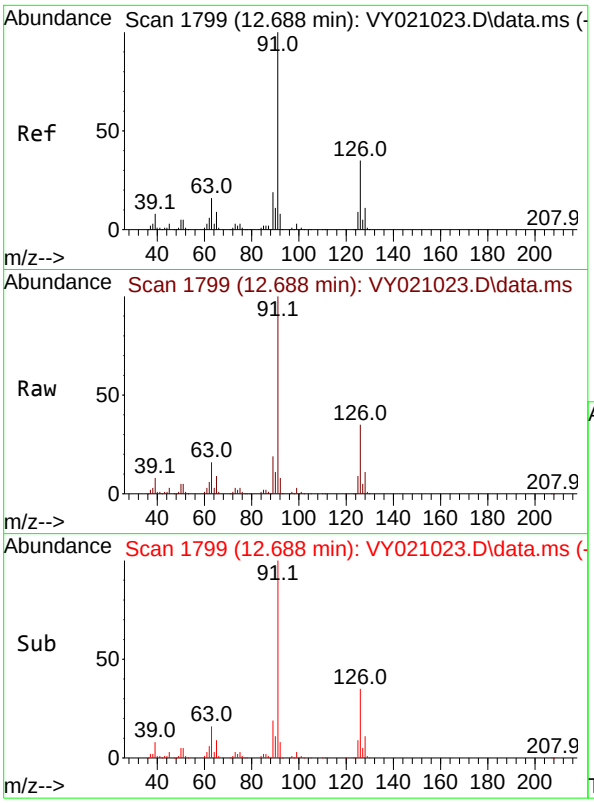


#78
n-propylbenzene
Concen: 55.653 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 554600

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.8	35.4

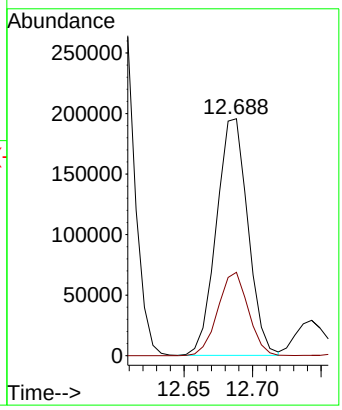




#79
2-Chlorotoluene
Concen: 55.113 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 31291

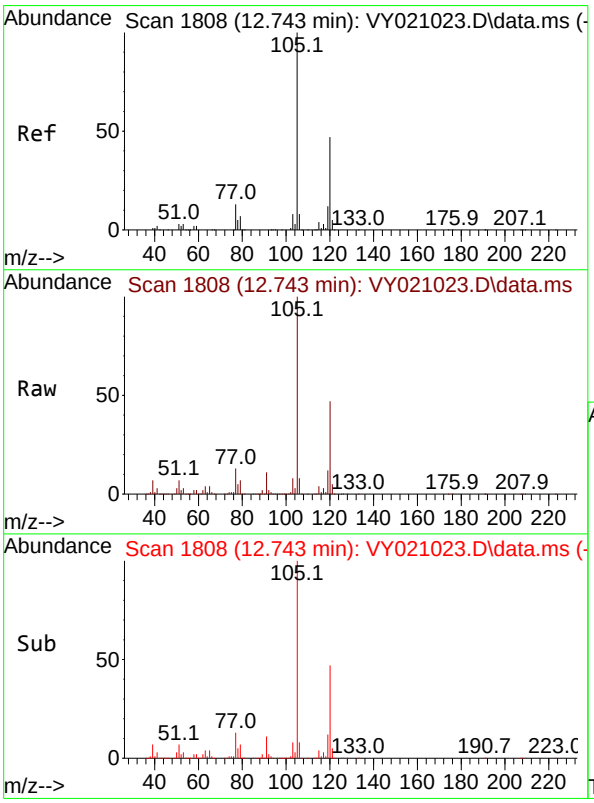
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	51.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

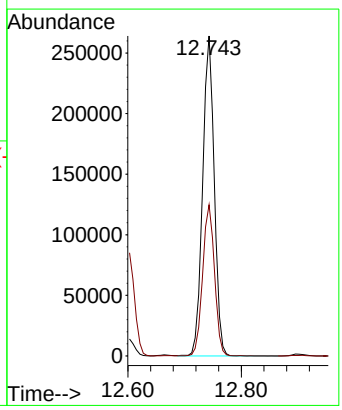
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

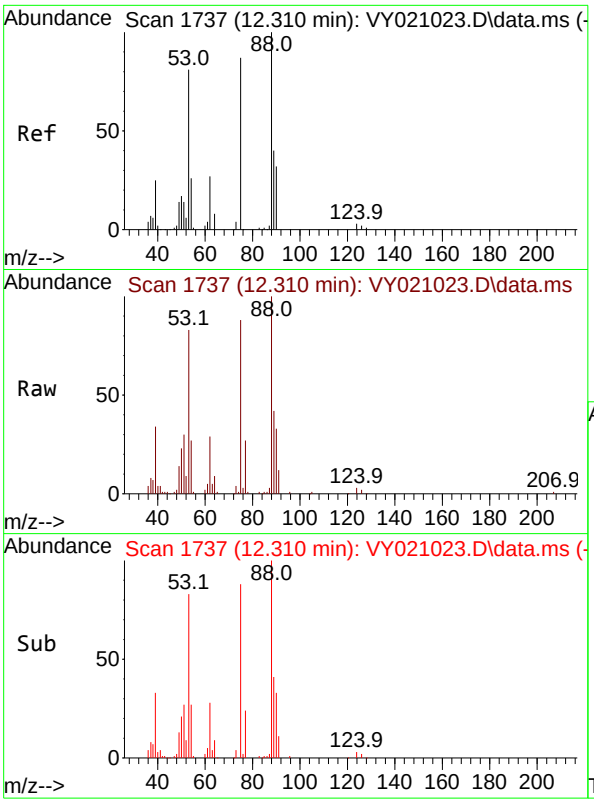


#80
1,3,5-Trimethylbenzene
Concen: 54.032 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 376397

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	72.9

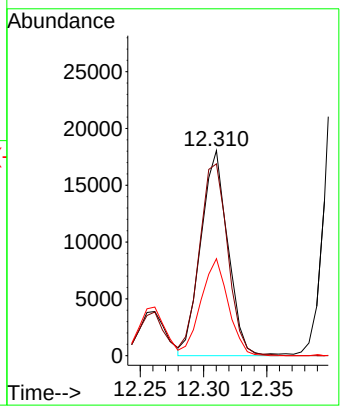




#81
trans-1,4-Dichloro-2-butene
Concen: 58.386 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 2695

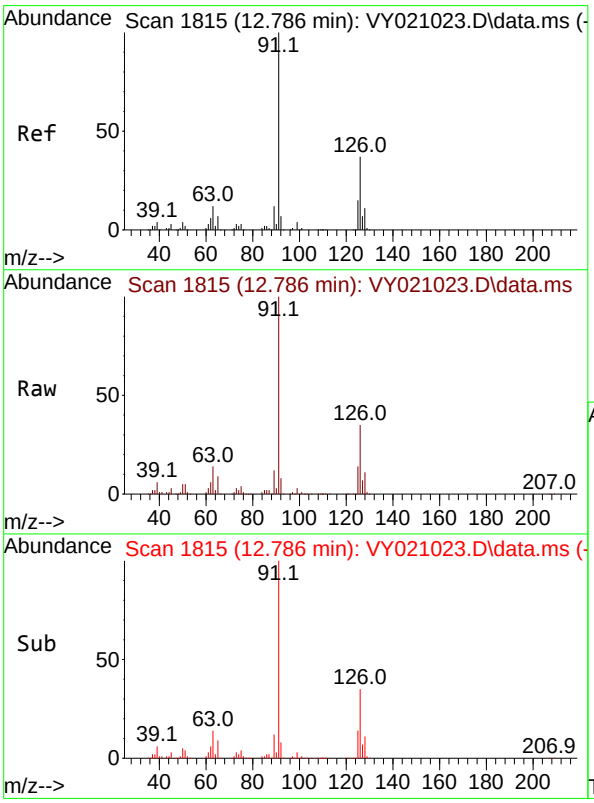
Ion	Ratio	Lower	Upper
75	100		
53	97.9	68.6	103.0
89	47.7	38.1	57.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

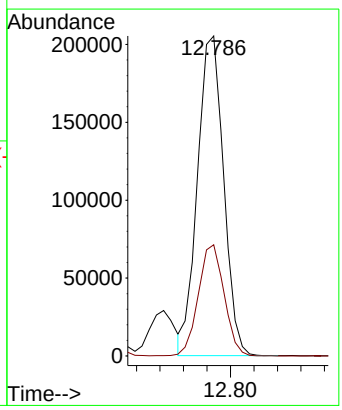
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

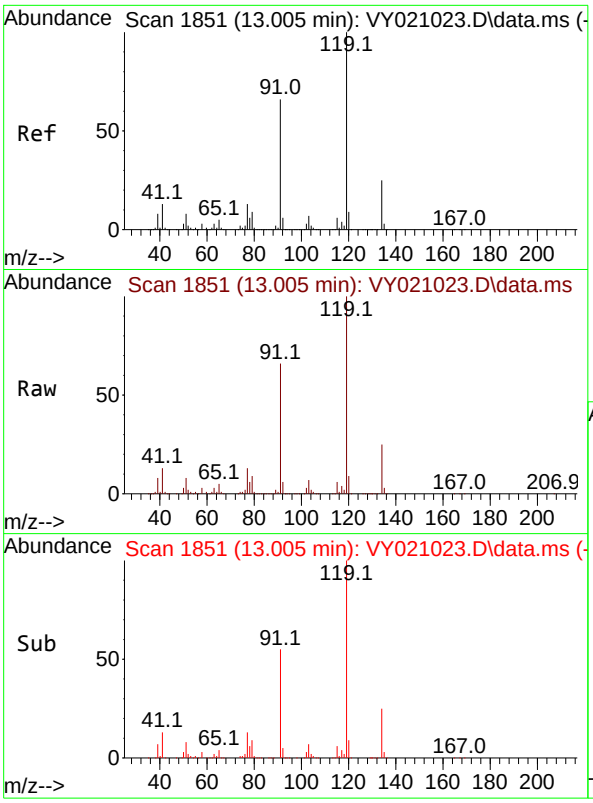


#82
4-Chlorotoluene
Concen: 54.527 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 316855

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	52.0

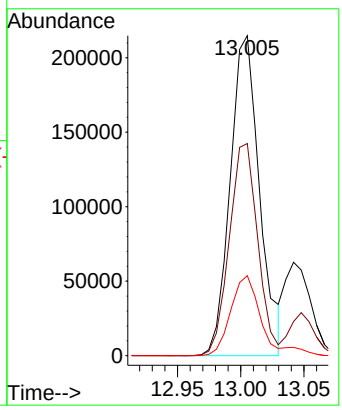




#83
tert-Butylbenzene
Concen: 53.757 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:119 Resp: 34731

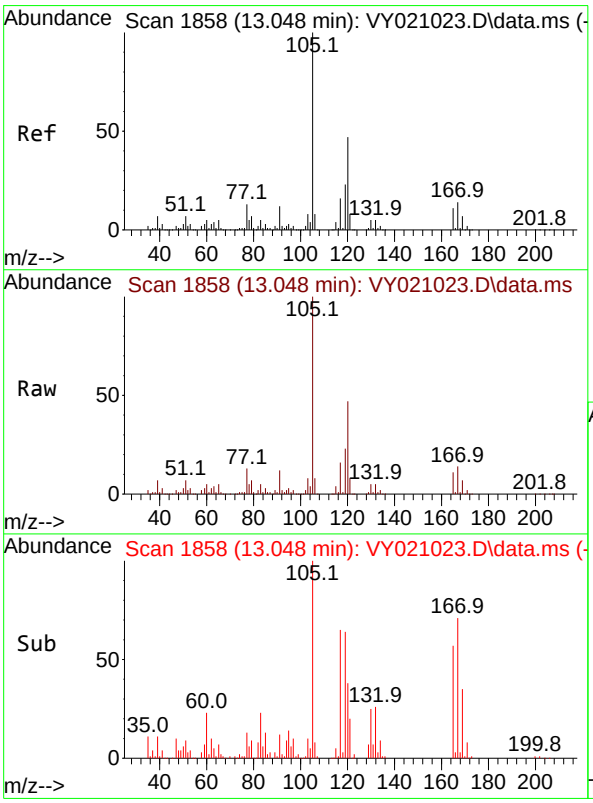
Ion	Ratio	Lower	Upper
119	100		
91	64.3	31.4	94.0
134	26.1	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

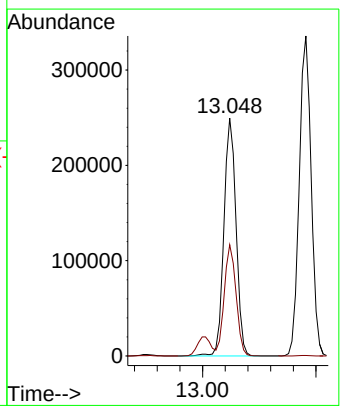
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

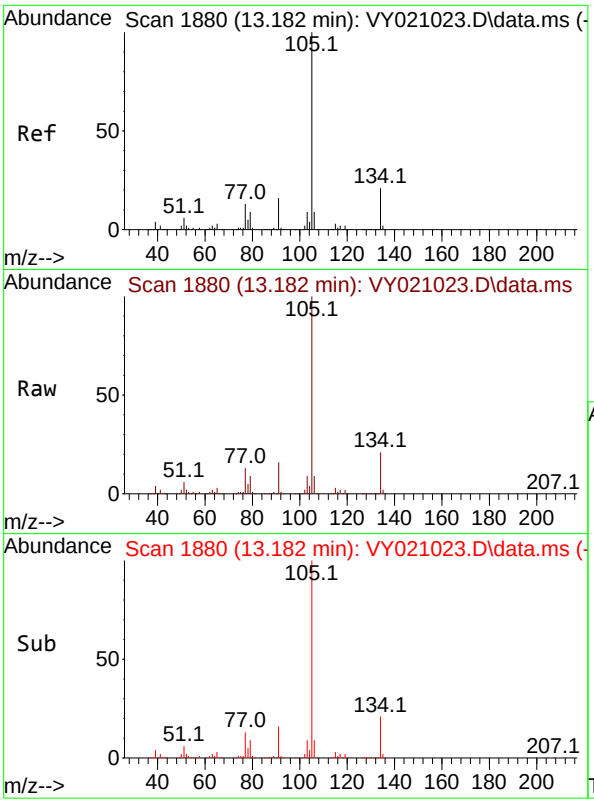


#84
1,2,4-Trimethylbenzene
Concen: 54.433 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 370408

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.0

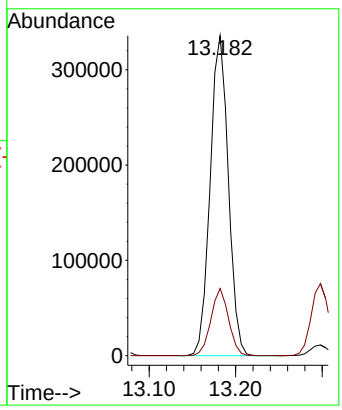




#85
sec-Butylbenzene
Concen: 53.440 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 48882

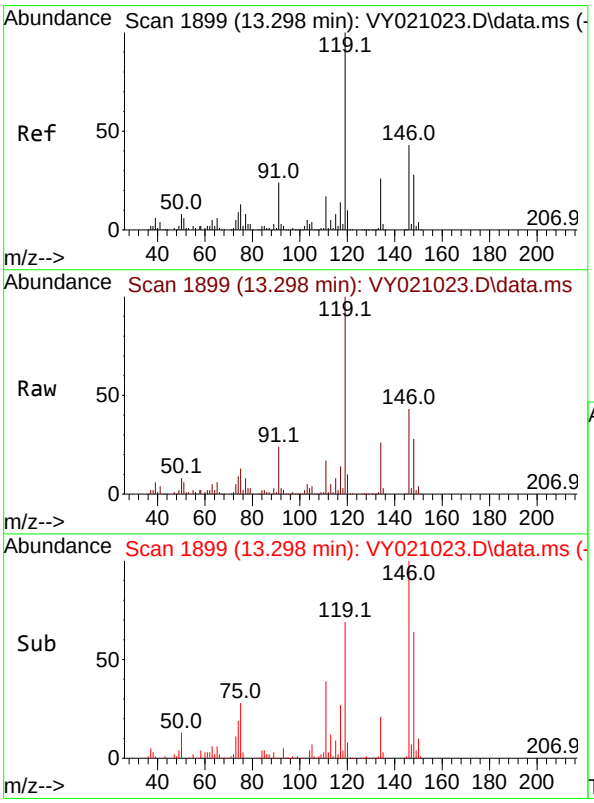
Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

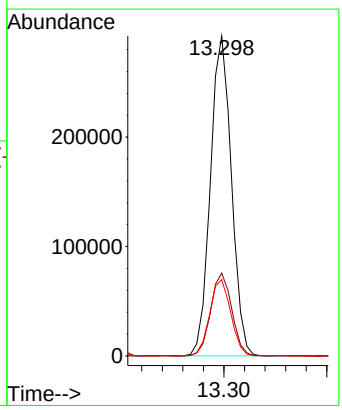
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

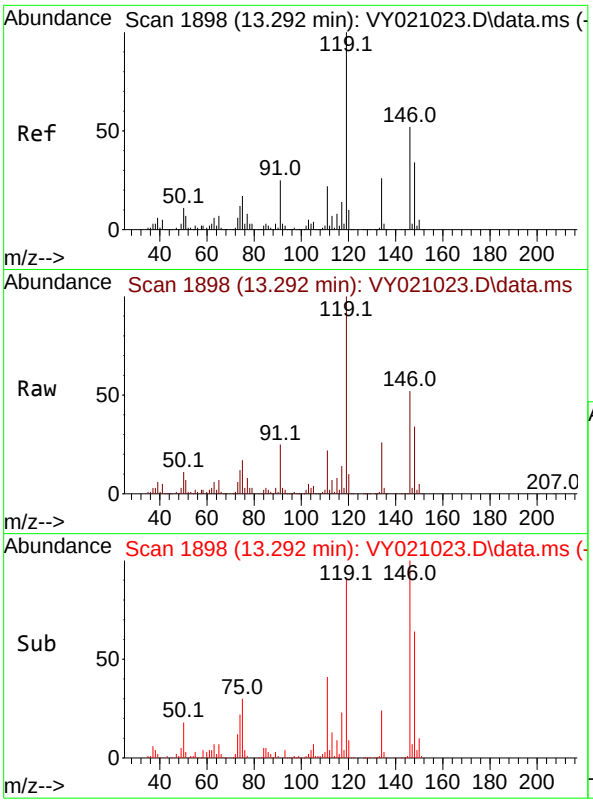


#86
p-Isopropyltoluene
Concen: 53.878 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:119 Resp: 414156

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	24.1	11.5	34.5

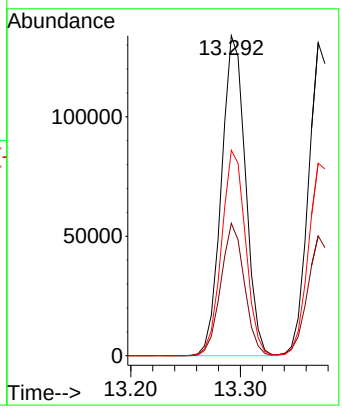




#87
1,3-Dichlorobenzene
Concen: 51.839 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:146 Resp: 20376

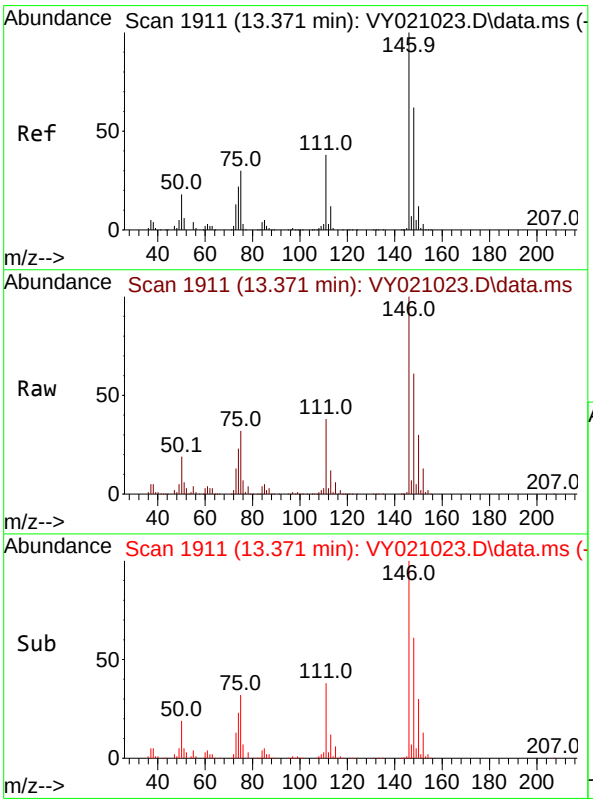
Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.7	59.1
148	64.2	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

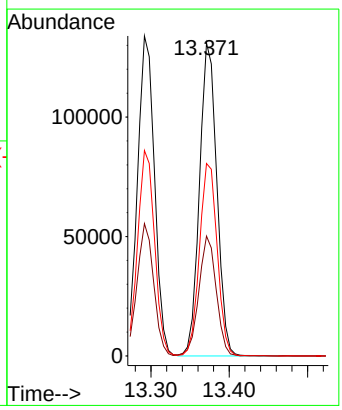
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

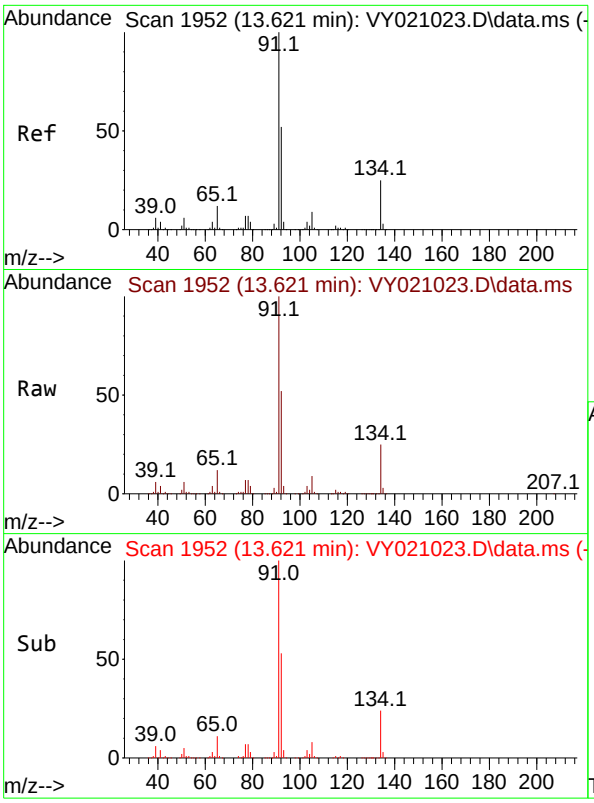


#88
1,4-Dichlorobenzene
Concen: 51.631 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:146 Resp: 201529

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	63.1	31.6	95.0

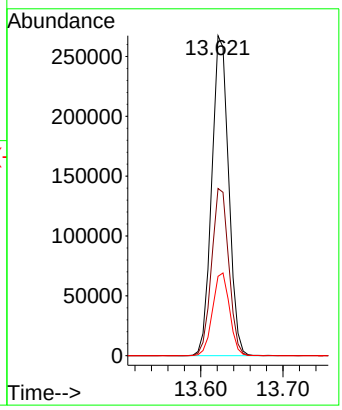




#89
n-Butylbenzene
Concen: 55.439 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 38170

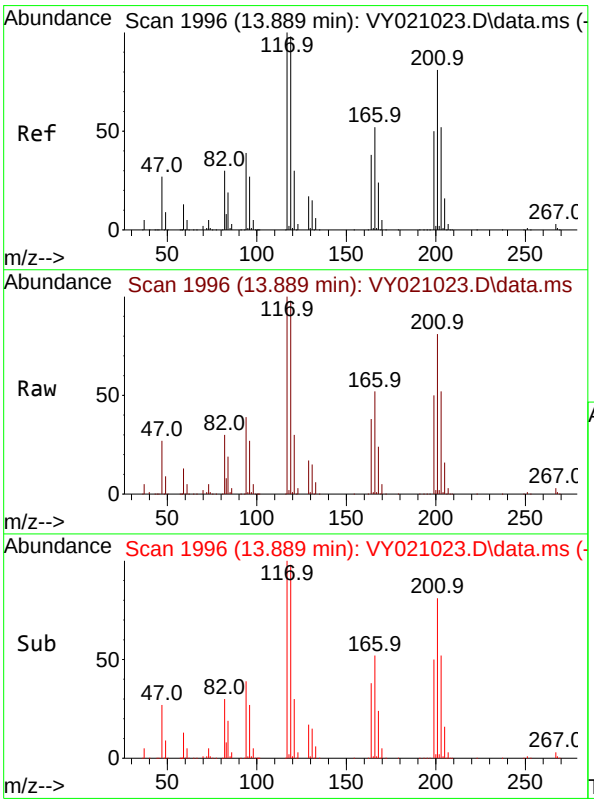
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.1
134	26.1	13.7	41.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

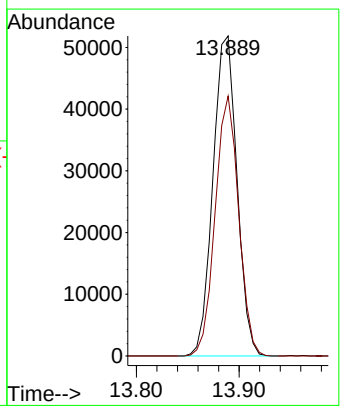
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

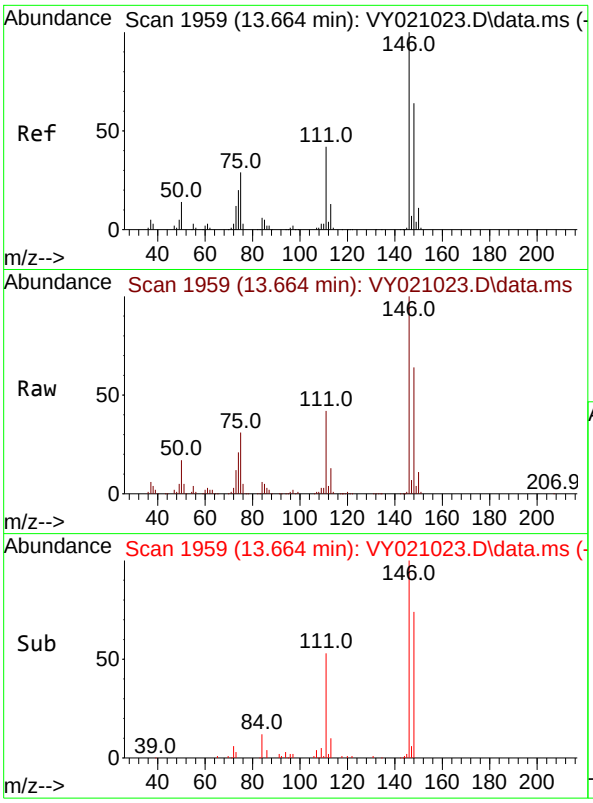


#90
Hexachloroethane
Concen: 54.167 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:117 Resp: 84237

Ion	Ratio	Lower	Upper
117	100		
201	79.2	42.5	127.5

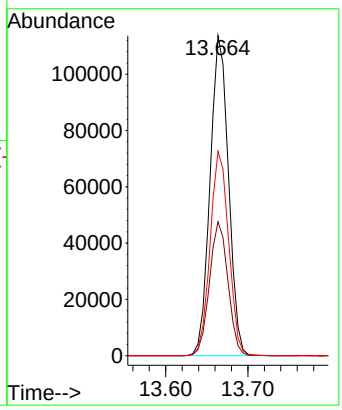




#91
1,2-Dichlorobenzene
Concen: 51.554 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:146 Resp: 17671

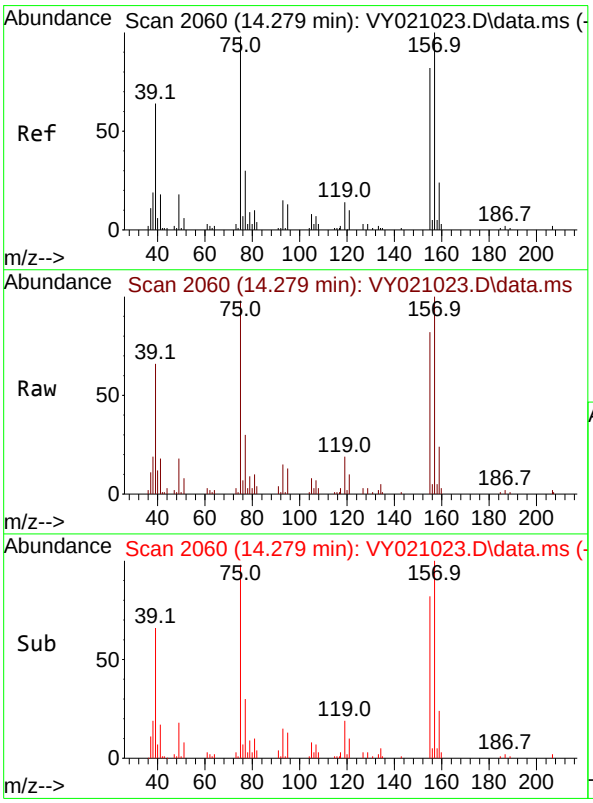
Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	60.8
148	64.4	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

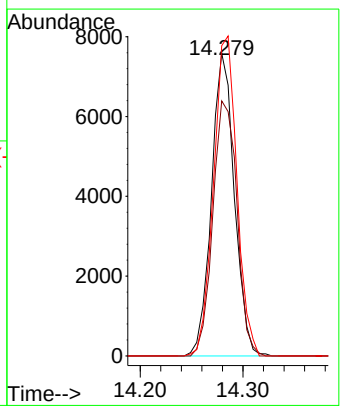
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

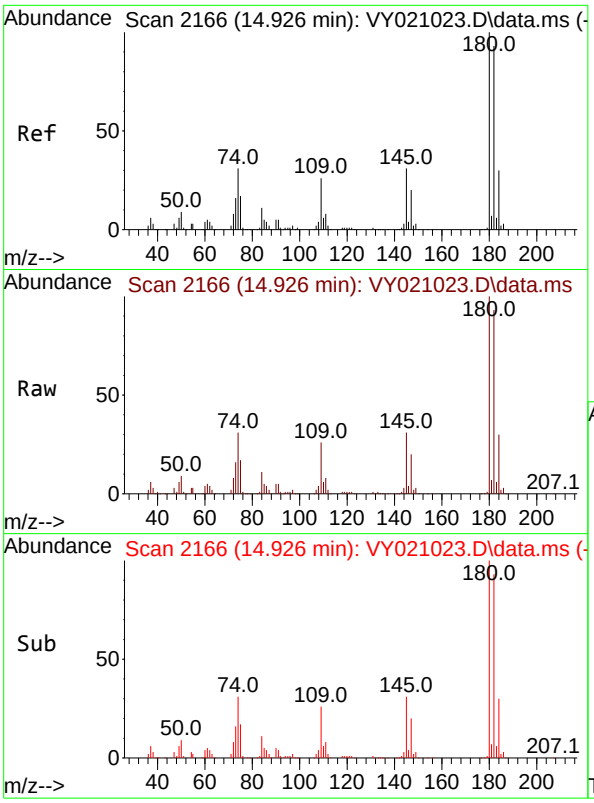


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.445 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 11716

Ion	Ratio	Lower	Upper
75	100		
155	88.6	45.9	137.6
157	107.6	59.3	177.9

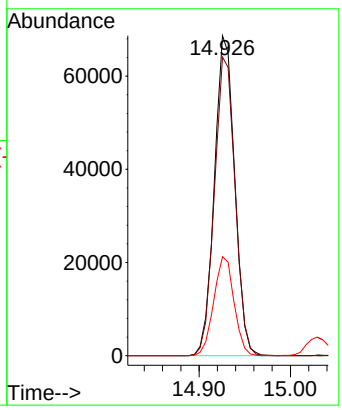




#93
1,2,4-Trichlorobenzene
Concen: 50.473 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:180 Resp: 10593

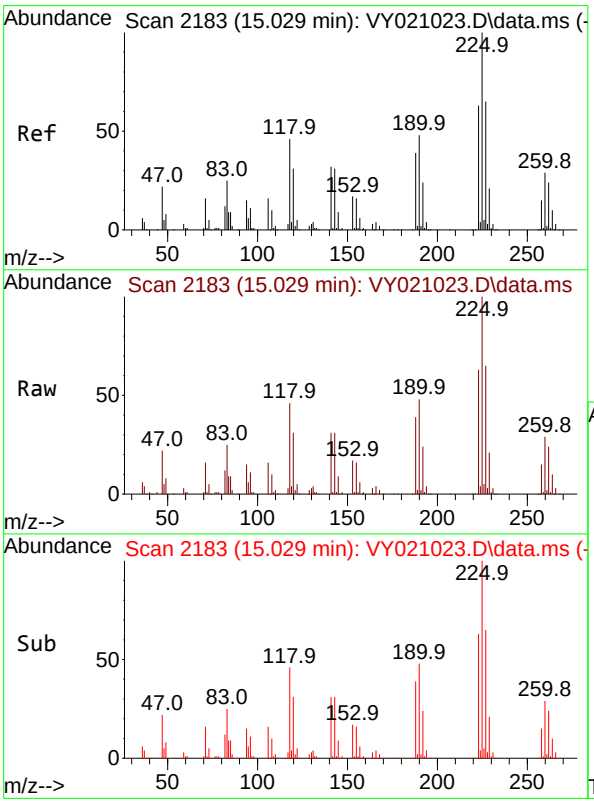
Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.3	144.8
145	30.8	15.3	45.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

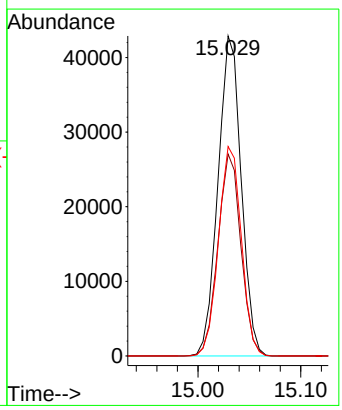
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

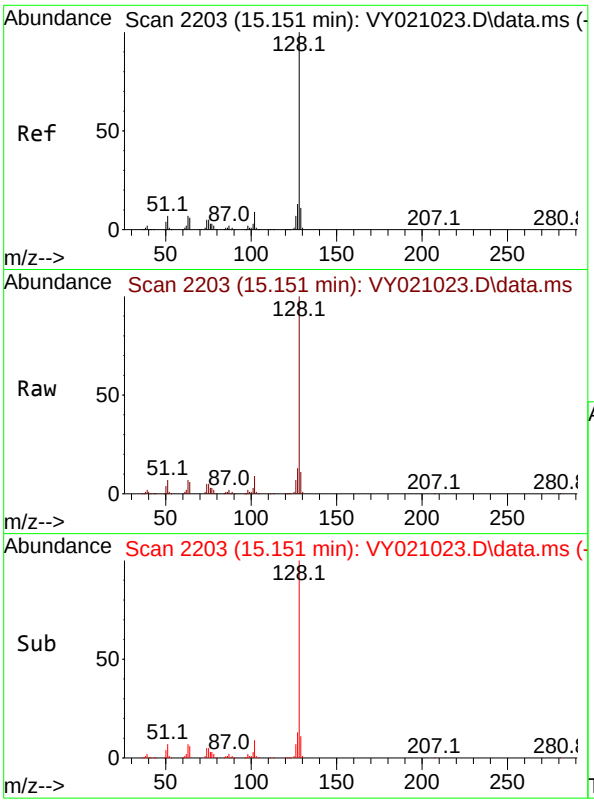


#94
Hexachlorobutadiene
Concen: 46.155 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:225 Resp: 67092

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.2
227	64.6	31.8	95.3

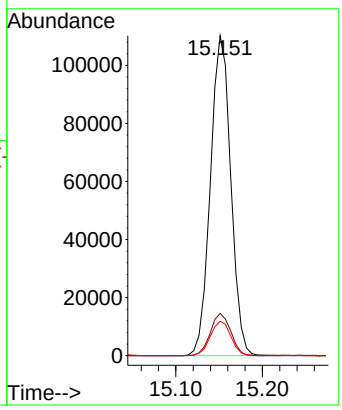




#95
Naphthalene
Concen: 53.412 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:128 Resp: 18016

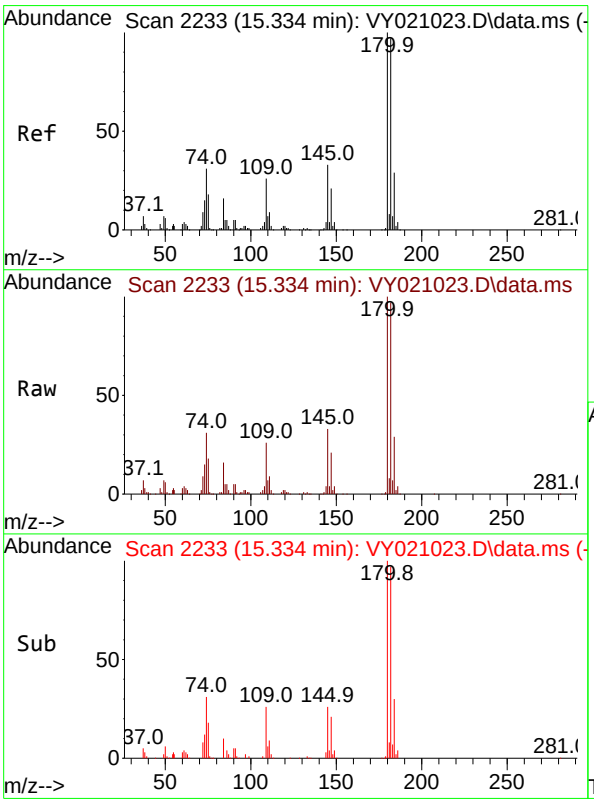
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.9	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

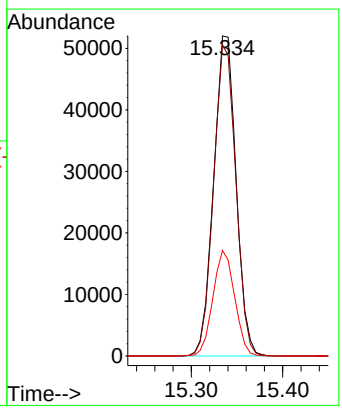
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.991 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:180 Resp: 88730

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.7	143.1
145	31.9	15.6	46.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
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 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	190137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	289157	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	248171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	115163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	172797	106.741	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 213.480%#			
35) Dibromofluoromethane	7.646	113	171851	98.858	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 197.720%#			
50) Toluene-d8	10.115	98	669691	98.702	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 197.400%#			
62) 4-Bromofluorobenzene	12.414	95	216644	95.157	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 190.320%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	159301	98.533	ug/l	100
3) Chloromethane	2.074	50	153706	149.541	ug/l	98
4) Vinyl Chloride	2.214	62	155011	146.266	ug/l	99
5) Bromomethane	2.604	94	93622	130.495	ug/l	96
6) Chloroethane	2.745	64	91012	147.011	ug/l	99
7) Trichlorofluoromethane	3.068	101	282462	110.443	ug/l	99
8) Diethyl Ether	3.464	74	87561	114.680	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.830	101	177279	102.939	ug/l	95
10) Methyl Iodide	4.019	142	218905	111.078	ug/l	99
11) Tert butyl alcohol	4.872	59	53461	452.085	ug/l	99
12) 1,1-Dichloroethene	3.799	96	171787	106.739	ug/l	88
13) Acrolein	3.659	56	89546	657.572	ug/l	99
14) Allyl chloride	4.397	41	294317	132.835	ug/l	92
15) Acrylonitrile	5.067	53	179975	573.057	ug/l	99
16) Acetone	3.879	43	133780	606.320	ug/l	90
17) Carbon Disulfide	4.116	76	540251	108.991	ug/l	100
18) Methyl Acetate	4.397	43	96229	124.639	ug/l	93
19) Methyl tert-butyl Ether	5.128	73	427571	114.141	ug/l	99
20) Methylene Chloride	4.628	84	171778	105.558	ug/l	89
21) trans-1,2-Dichloroethene	5.128	96	186520	108.095	ug/l	93
22) Diisopropyl ether	6.031	45	598063	132.422	ug/l	97
23) Vinyl Acetate	5.970	43	1653156	660.973	ug/l	95
24) 1,1-Dichloroethane	5.933	63	346367	118.878	ug/l	98
25) 2-Butanone	6.902	43	229517	613.177	ug/l	92
26) 2,2-Dichloropropane	6.896	77	311254	108.502	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	218816	110.326	ug/l	94
28) Bromochloromethane	7.256	49	142156	130.955	ug/l	83
29) Tetrahydrofuran	7.274	42	153104	607.855	ug/l	92
30) Chloroform	7.433	83	350416	111.040	ug/l	99
31) Cyclohexane	7.713	56	296243	104.021	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	328296	107.493	ug/l	97
36) 1,1-Dichloropropene	7.847	75	258833	104.370	ug/l	97
37) Ethyl Acetate	6.994	43	108807	117.685	ug/l	97
38) Carbon Tetrachloride	7.829	117	302001	98.406	ug/l	98
39) Methylcyclohexane	9.115	83	329865	99.014	ug/l	94
40) Benzene	8.091	78	765340	104.883	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	51586	100.841	ug/l		90
42) 1,2-Dichloroethane	8.164	62	203840	110.147	ug/l		98
43) Isopropyl Acetate	8.207	43	224883	121.752	ug/l	#	86
44) Trichloroethene	8.872	130	195403	97.046	ug/l		94
45) 1,2-Dichloropropane	9.152	63	179965	110.034	ug/l		99
46) Dibromomethane	9.237	93	95968	100.827	ug/l		95
47) Bromodichloromethane	9.432	83	265518	106.226	ug/l		98
48) Methyl methacrylate	9.225	41	107661	122.427	ug/l		90
49) 1,4-Dioxane	9.237	88	18378	1817.108	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.006	43	562082	592.226	ug/l		94
52) Toluene	10.176	92	488296	103.090	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	246769	109.097	ug/l		100
54) cis-1,3-Dichloropropene	9.865	75	289643	107.141	ug/l	#	91
55) 1,1,2-Trichloroethane	10.579	97	125626	99.248	ug/l		100
56) Ethyl methacrylate	10.445	69	184212	111.337	ug/l		88
57) 1,3-Dichloropropane	10.725	76	220204	102.639	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	421206	599.795	ug/l		95
59) 2-Hexanone	10.768	43	373249	605.028	ug/l		92
60) Dibromochloromethane	10.920	129	179036	99.202	ug/l		99
61) 1,2-Dibromoethane	11.024	107	117576	97.250	ug/l		98
64) Tetrachloroethene	10.652	164	174223	93.066	ug/l		97
65) Chlorobenzene	11.450	112	519942	99.441	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.524	131	185418	99.917	ug/l		99
67) Ethyl Benzene	11.524	91	950017	104.939	ug/l		98
68) m/p-Xylenes	11.639	106	705393	202.801	ug/l		97
69) o-Xylene	11.963	106	332346	102.783	ug/l		97
70) Styrene	11.975	104	559633	104.245	ug/l		98
71) Bromoform	12.139	173	101615	92.910	ug/l	#	99
73) Isopropylbenzene	12.261	105	891697	110.247	ug/l		100
74) N-amyl acetate	12.078	43	196809	133.629	ug/l		91
75) 1,1,2,2-Tetrachloroethane	12.517	83	137599	105.393	ug/l		100
76) 1,2,3-Trichloropropane	12.566	75	87097m	95.537	ug/l		
77) Bromobenzene	12.542	156	198715	103.627	ug/l		93
78) n-propylbenzene	12.603	91	1057216	111.529	ug/l		98
79) 2-Chlorotoluene	12.688	91	592096	109.632	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	713935	107.741	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	47846	108.944	ug/l		92
82) 4-Chlorotoluene	12.786	91	597047	108.014	ug/l		99
83) tert-Butylbenzene	13.005	119	638740	103.933	ug/l		96
84) 1,2,4-Trimethylbenzene	13.054	105	701716	108.409	ug/l		100
85) sec-Butylbenzene	13.182	105	931799	107.093	ug/l		100
86) p-Isopropyltoluene	13.304	119	778814	106.512	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	380481	101.760	ug/l		100
88) 1,4-Dichlorobenzene	13.377	146	368361	99.212	ug/l		99
89) n-Butylbenzene	13.627	91	720257	109.974	ug/l		98
90) Hexachloroethane	13.889	117	160918	108.782	ug/l		94
91) 1,2-Dichlorobenzene	13.670	146	323508	99.218	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	20553	102.253	ug/l		93
93) 1,2,4-Trichlorobenzene	14.932	180	201024	100.693	ug/l		100
94) Hexachlorobutadiene	15.035	225	124879	90.315	ug/l		100
95) Naphthalene	15.157	128	331641	103.361	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	167187	99.024	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
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 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

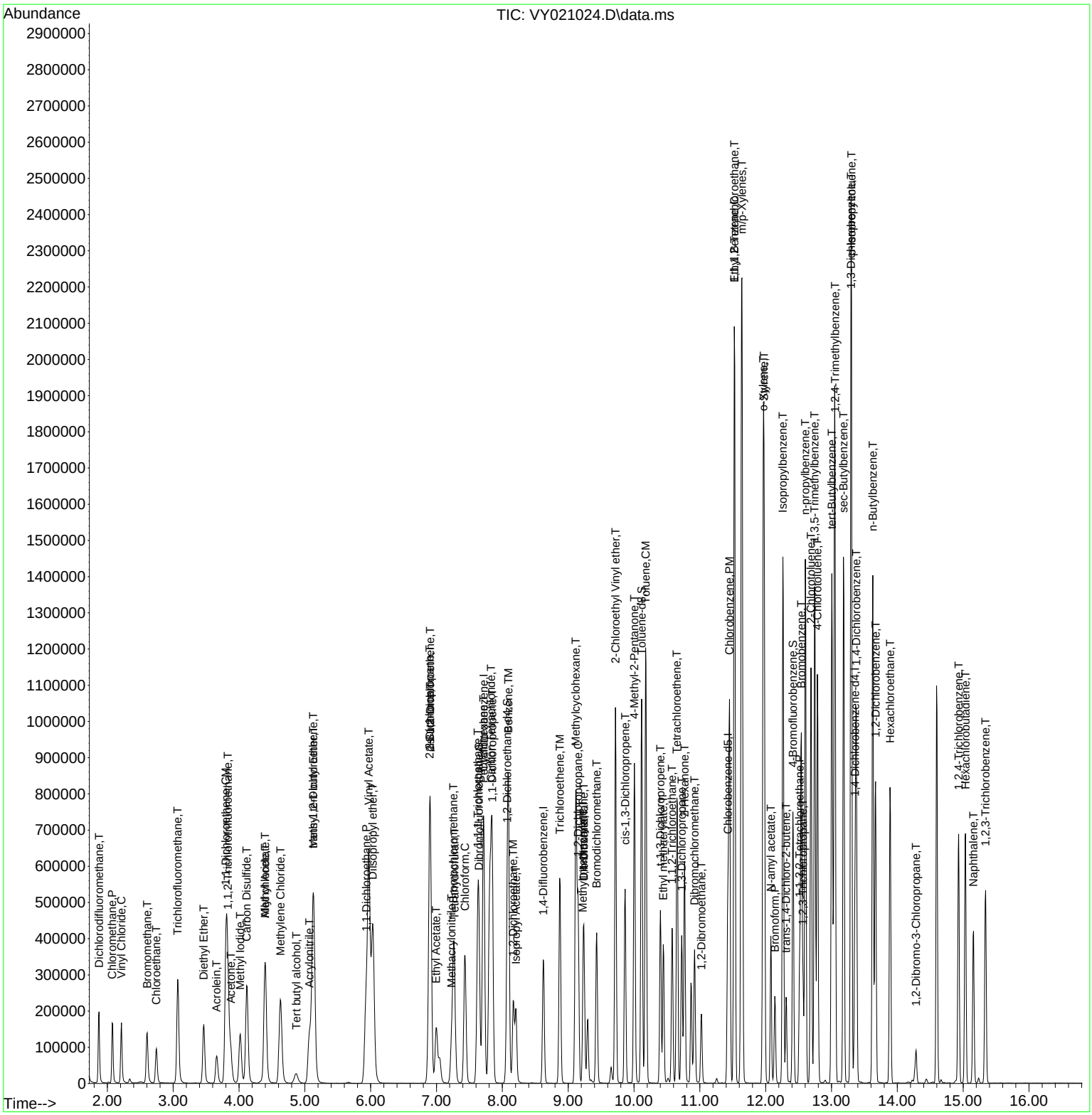
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Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

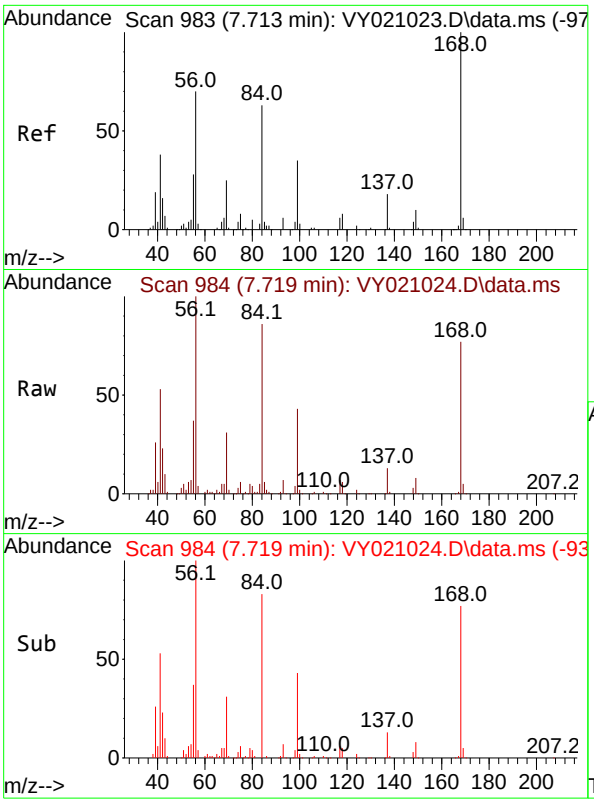
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Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

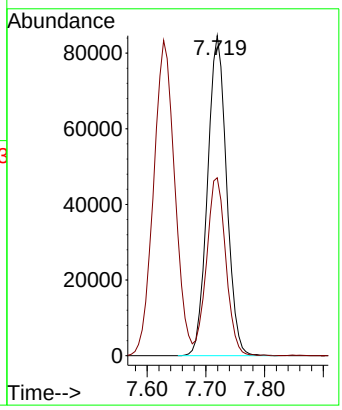




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:168 Resp: 19013

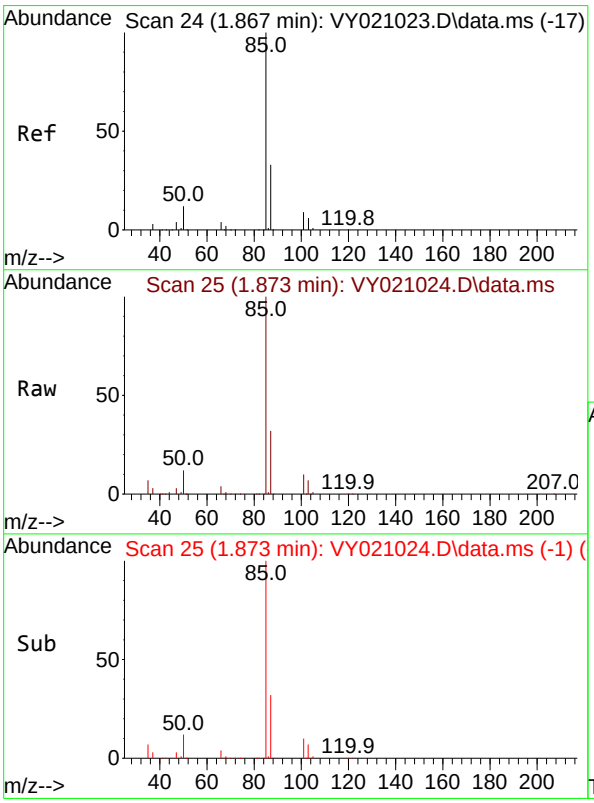
Ion	Ratio	Lower	Upper
168	100		
99	55.5	42.2	63.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

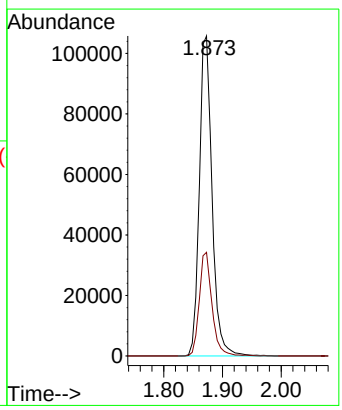
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

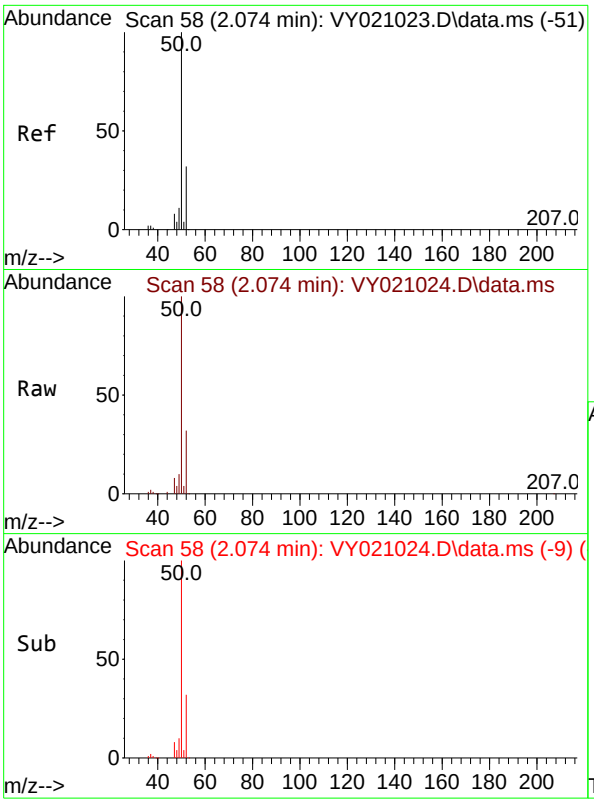


#2
Dichlorodifluoromethane
Concen: 98.533 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 85 Resp: 159301

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.3	48.9

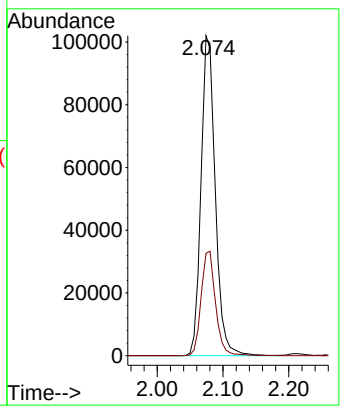




#3
Chloromethane
Concen: 149.541 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 50 Resp: 15370

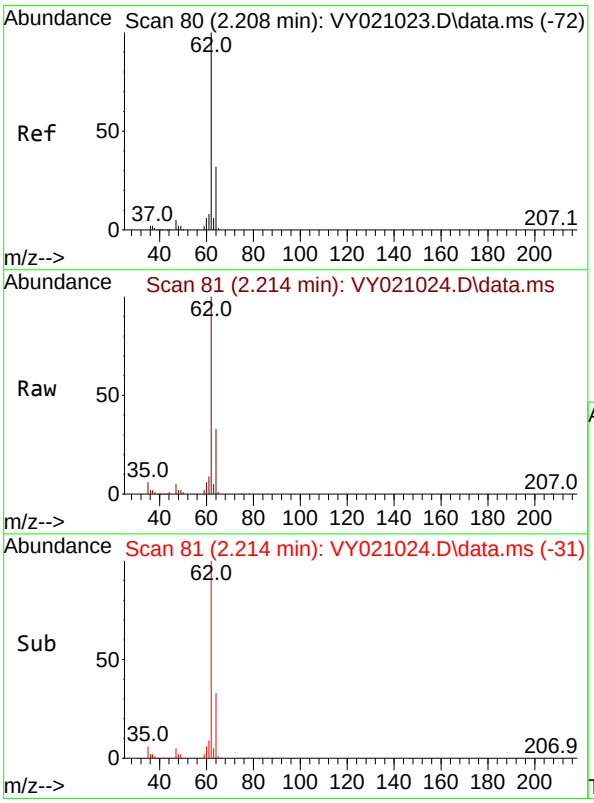
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

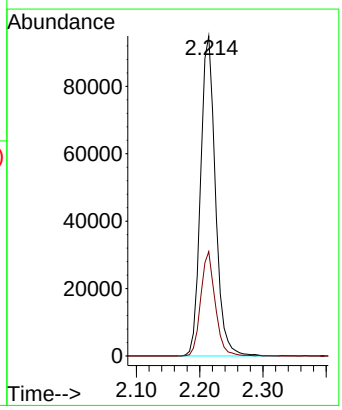
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

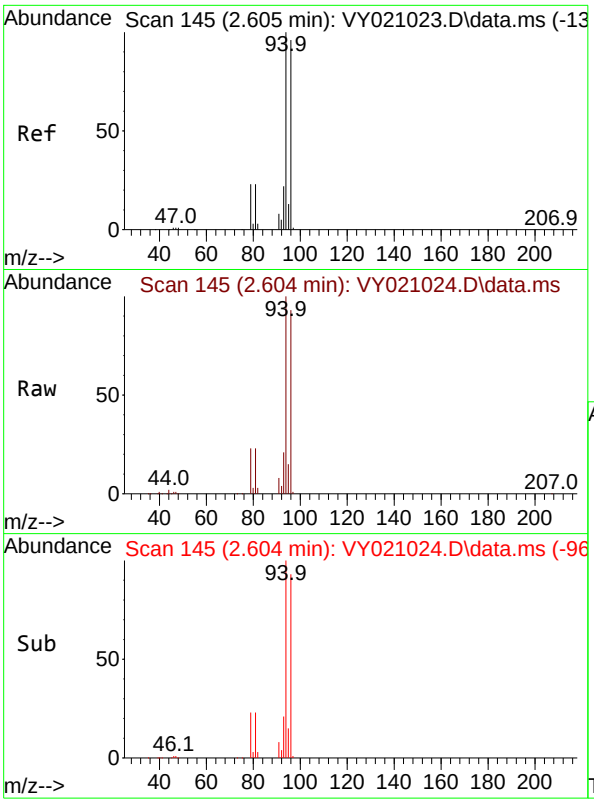


#4
Vinyl Chloride
Concen: 146.266 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 62 Resp: 155011

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.4	38.2

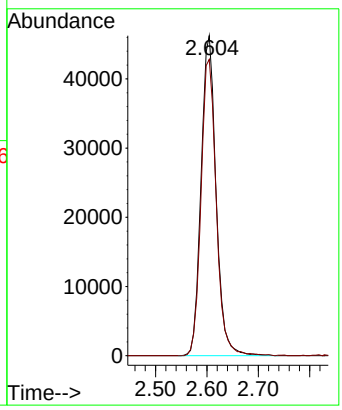




#5
Bromomethane
Concen: 130.495 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 94 Resp: 9362

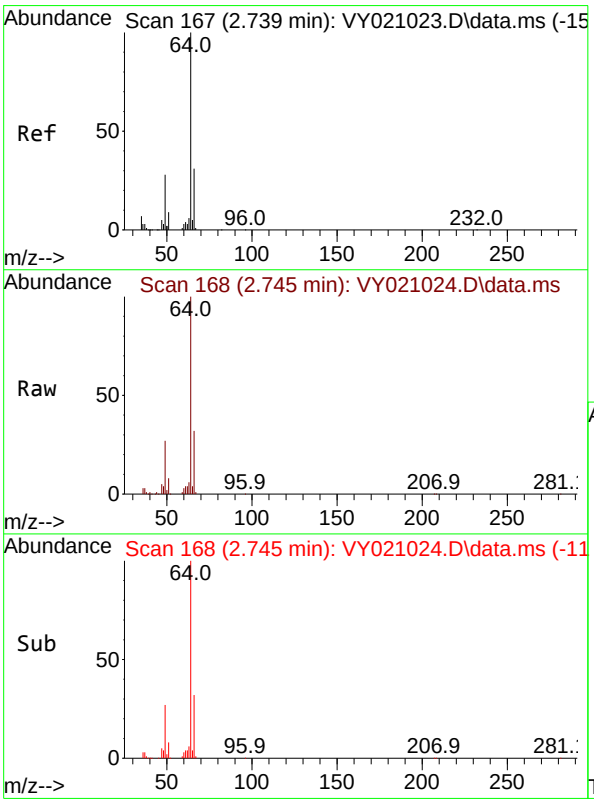
Ion	Ratio	Lower	Upper
94	100		
96	92.6	77.4	116.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

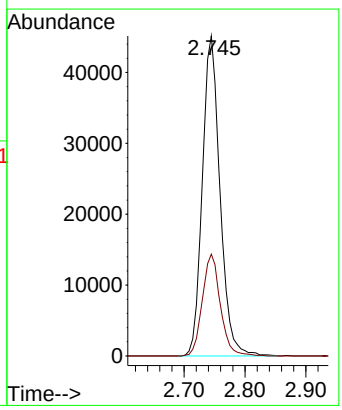
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

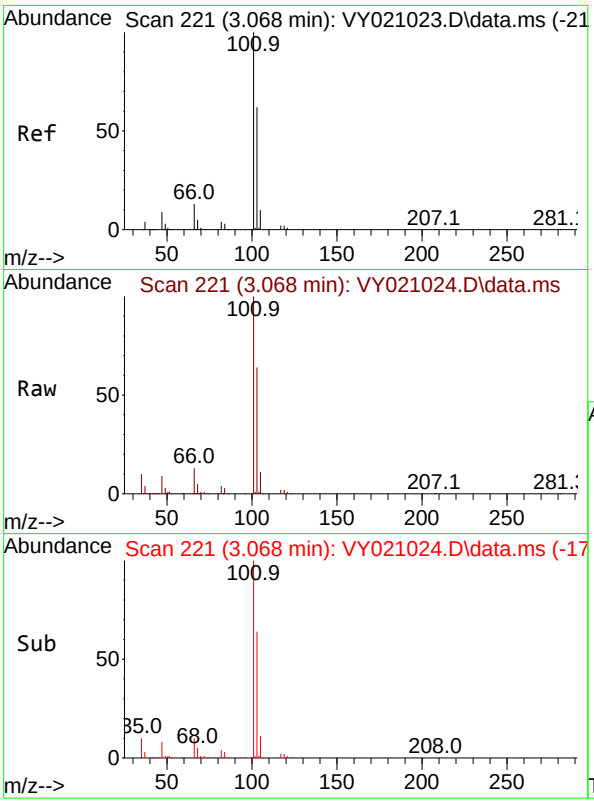


#6
Chloroethane
Concen: 147.011 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 64 Resp: 91012

Ion	Ratio	Lower	Upper
64	100		
66	31.8	25.0	37.4

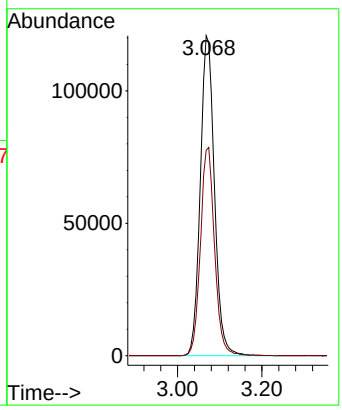




#7
Trichlorofluoromethane
Concen: 110.443 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:101 Resp: 28246

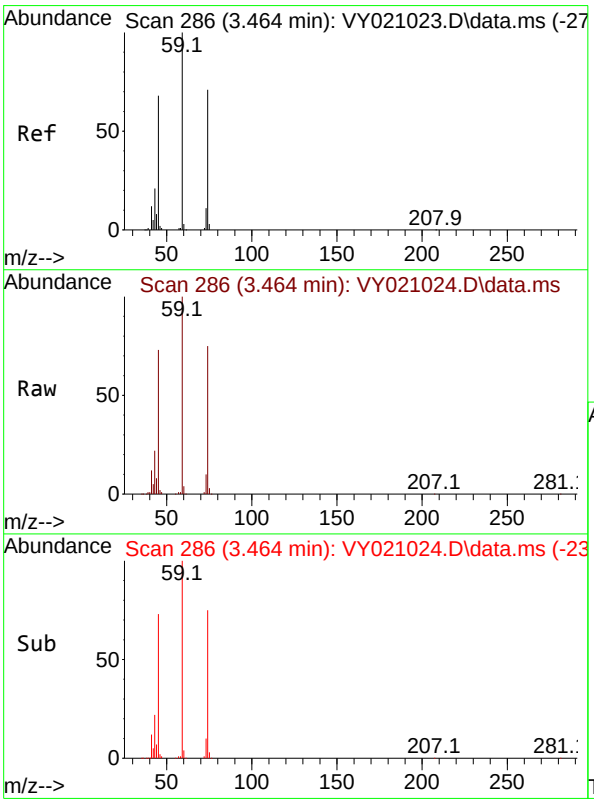
Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

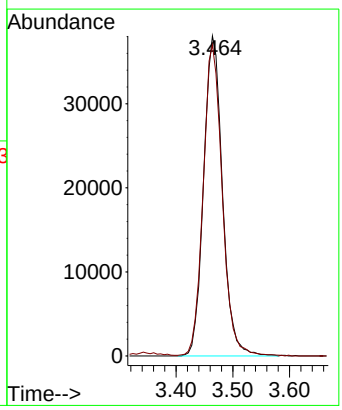
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

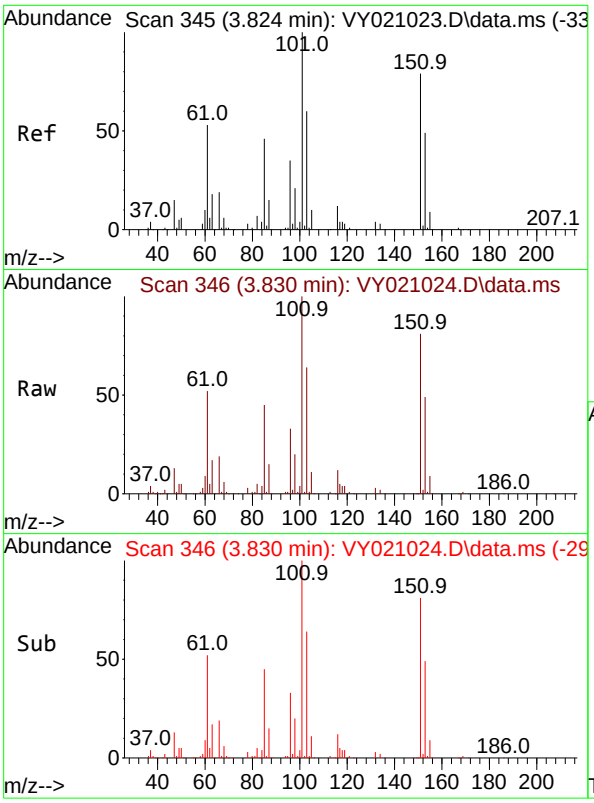


#8
Diethyl Ether
Concen: 114.680 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 74 Resp: 87561

Ion	Ratio	Lower	Upper
74	100		
45	98.9	43.4	130.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.939 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

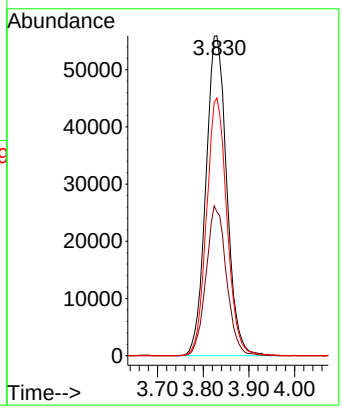
Tgt Ion:101 Resp: 17727

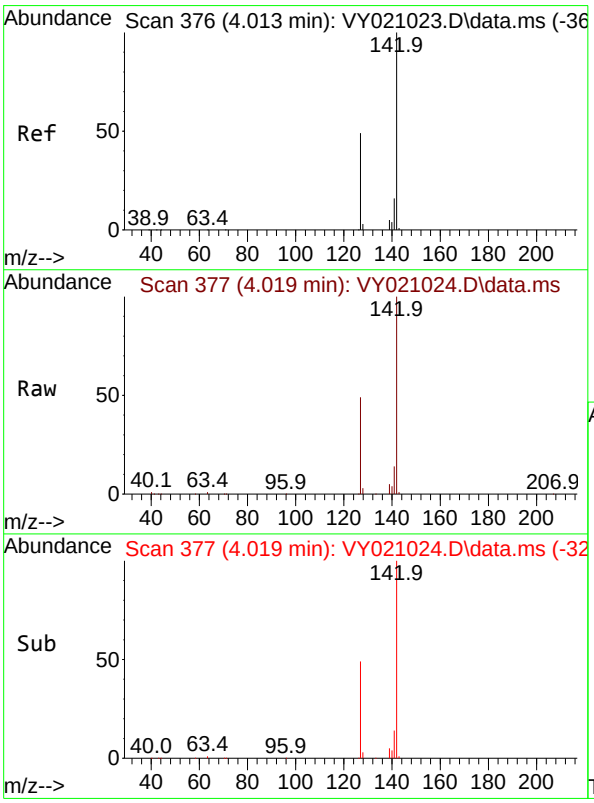
Ion	Ratio	Lower	Upper
101	100		
85	45.9	34.9	52.3
151	78.9	66.8	100.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

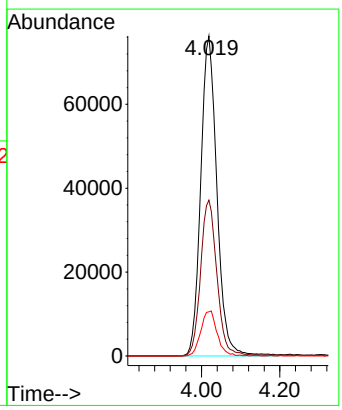


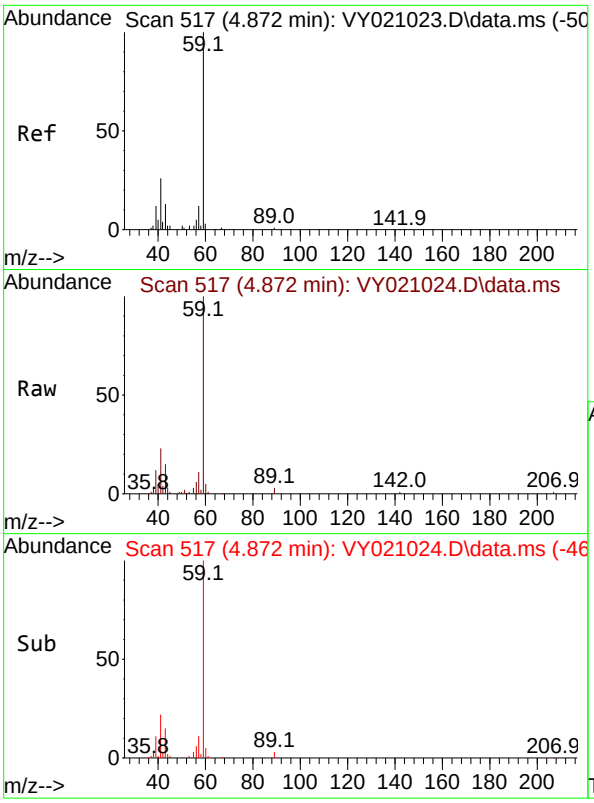


#10
Methyl Iodide
Concen: 111.078 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:142 Resp: 218905

Ion	Ratio	Lower	Upper
142	100		
127	49.2	38.9	58.3
141	14.2	11.7	17.5

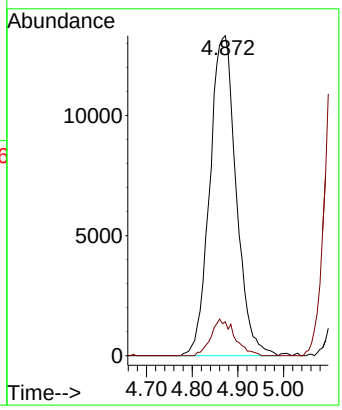




#11
Tert butyl alcohol
Concen: 452.085 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 59 Resp: 5346

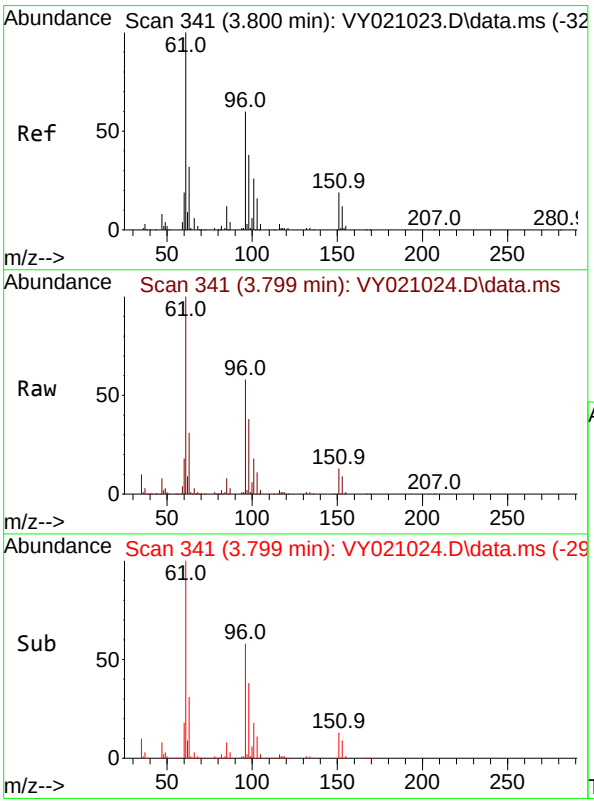
Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

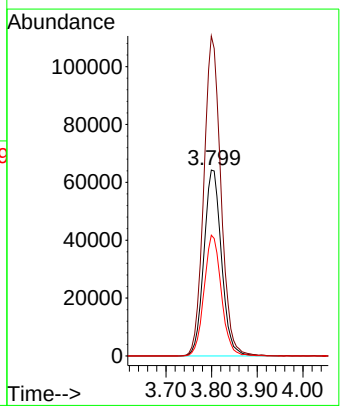
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

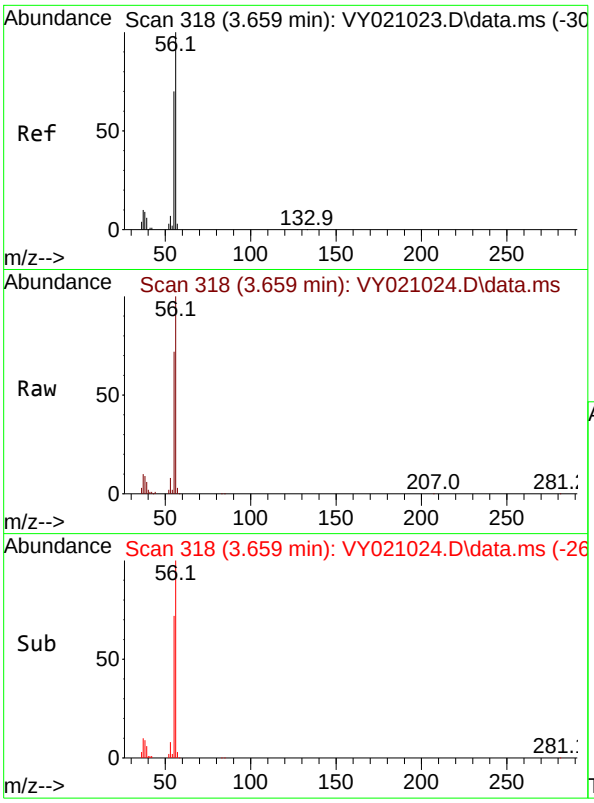


#12
1,1-Dichloroethene
Concen: 106.739 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 96 Resp: 171787

Ion	Ratio	Lower	Upper
96	100		
61	172.1	120.8	181.2
98	64.9	50.6	76.0

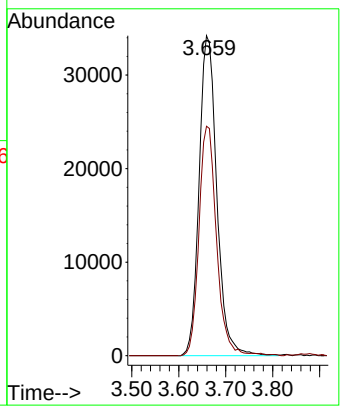




#13
Acrolein
Concen: 657.572 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 56 Resp: 8954

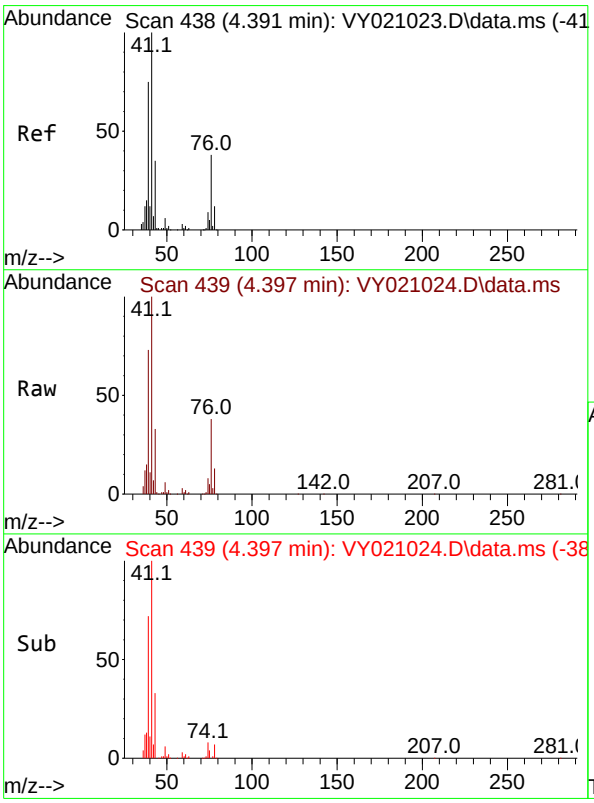
Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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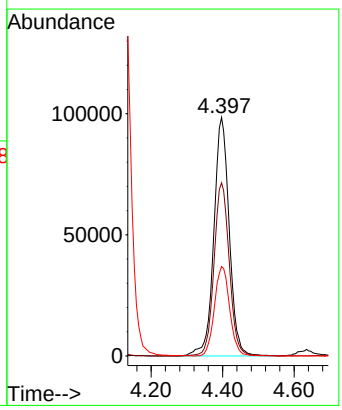
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

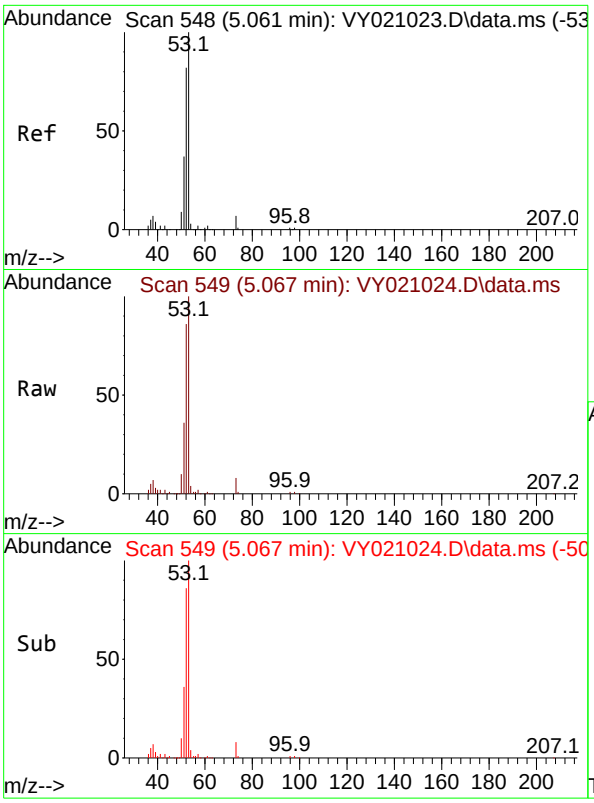


#14
Allyl chloride
Concen: 132.835 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 41 Resp: 294317

Ion	Ratio	Lower	Upper
41	100		
39	72.0	53.5	80.3
76	37.1	34.6	52.0

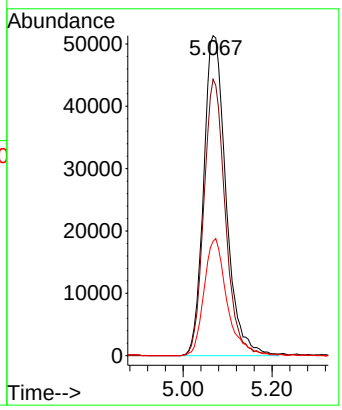




#15
Acrylonitrile
Concen: 573.057 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 53 Resp: 17997

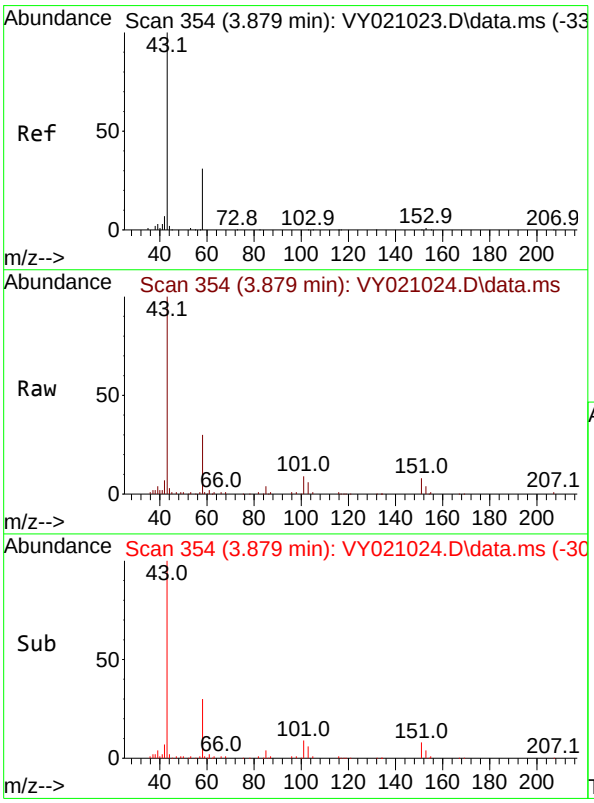
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.4
51	37.6	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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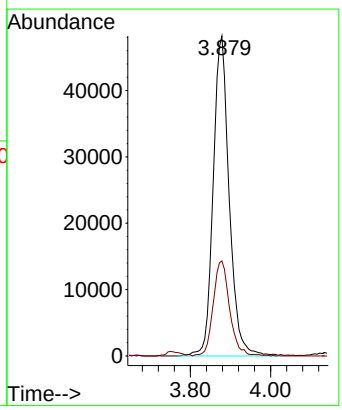
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

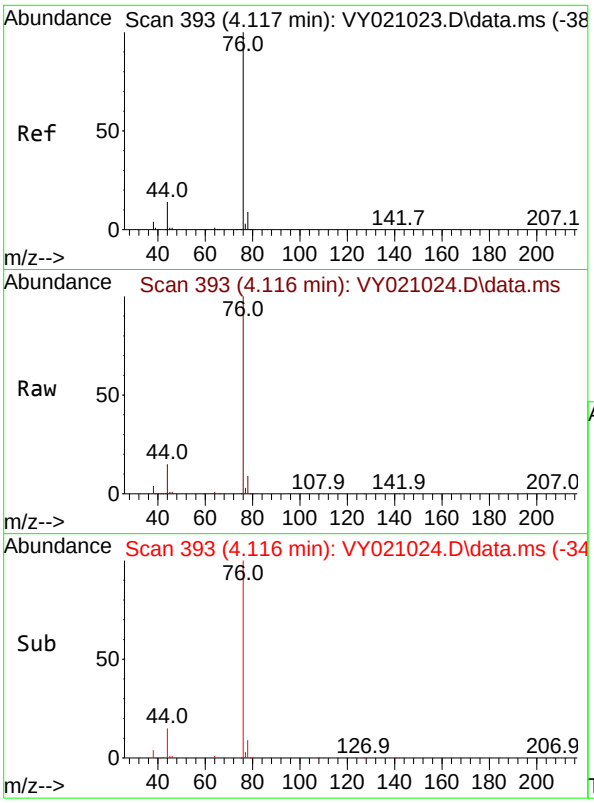


#16
Acetone
Concen: 606.320 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 133780

Ion	Ratio	Lower	Upper
43	100		
58	29.6	28.4	42.6

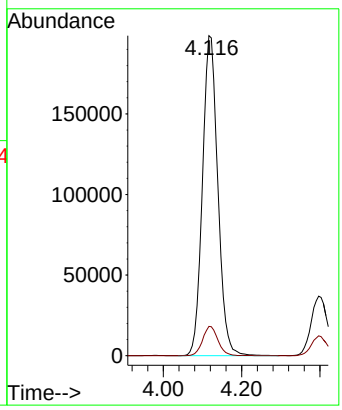




#17
Carbon Disulfide
Concen: 108.991 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 76 Resp: 54025

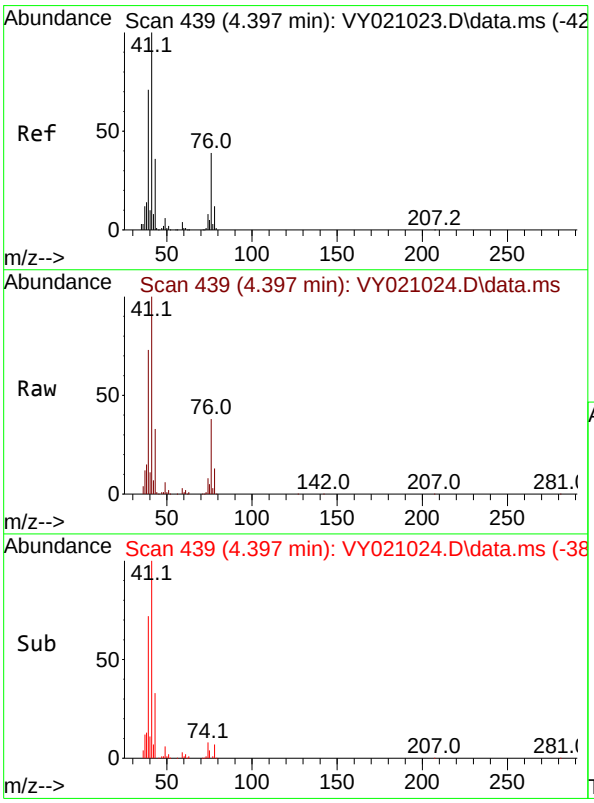
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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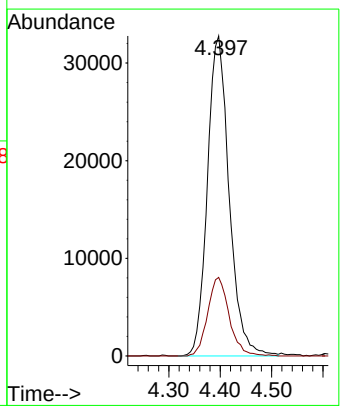
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

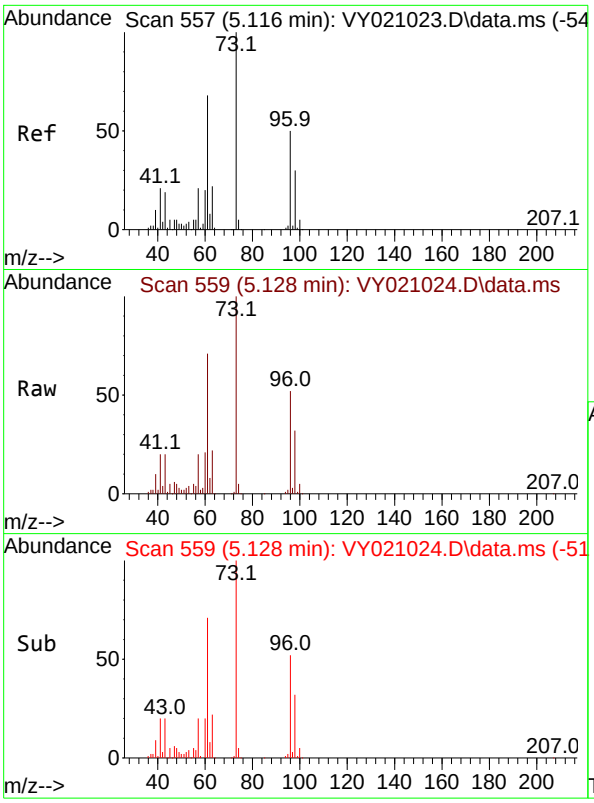


#18
Methyl Acetate
Concen: 124.639 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 96229

Ion	Ratio	Lower	Upper
43	100		
74	24.3	22.2	33.4

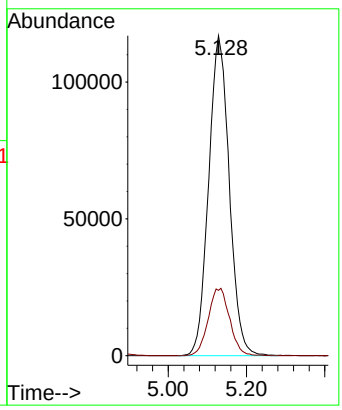




#19
Methyl tert-butyl Ether
Concen: 114.141 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 73 Resp: 42757

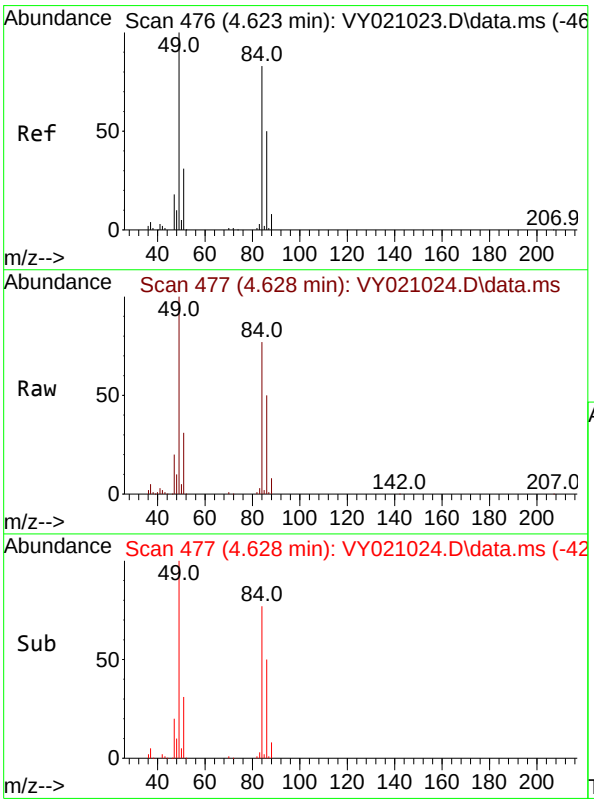
Ion	Ratio	Lower	Upper
73	100		
57	20.4	16.6	25.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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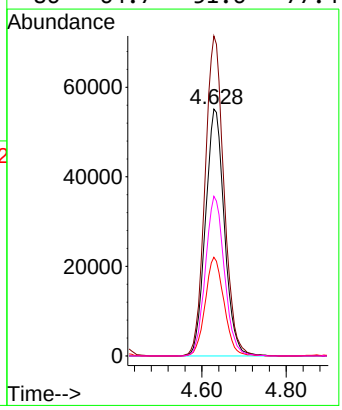
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

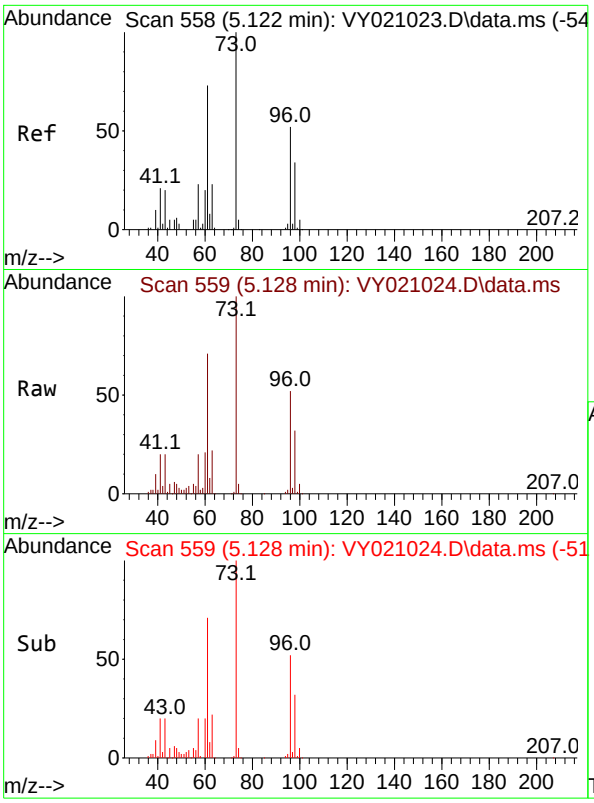


#20
Methylene Chloride
Concen: 105.558 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 84 Resp: 171778

Ion	Ratio	Lower	Upper
84	100		
49	129.6	88.3	132.5
51	40.0	27.7	41.5
86	64.7	51.6	77.4

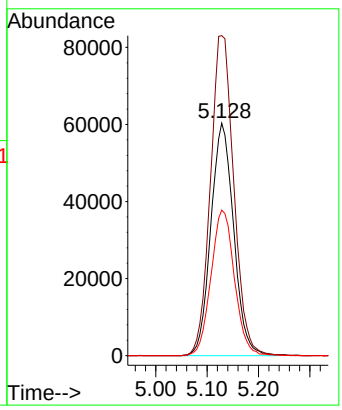




#21
trans-1,2-Dichloroethene
Concen: 108.095 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 96 Resp: 18652

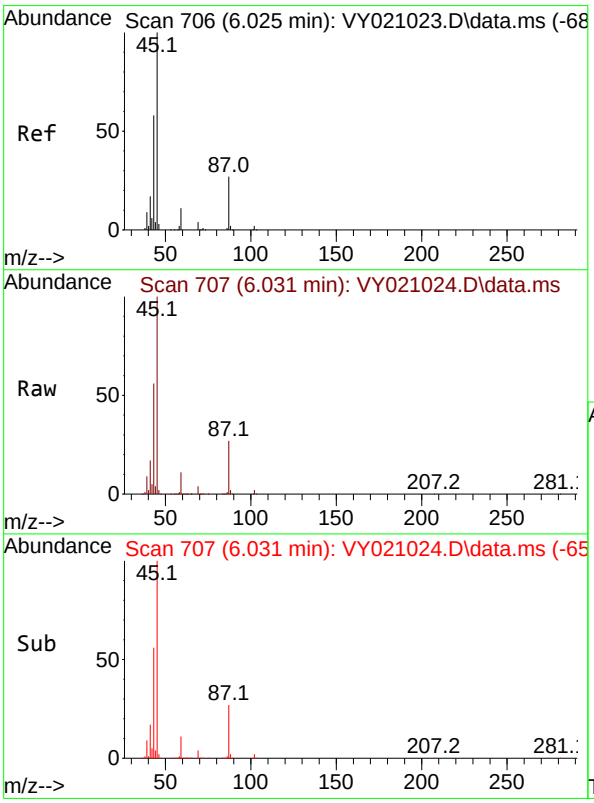
Ion	Ratio	Lower	Upper
96	100		
61	137.7	101.5	152.3
98	62.7	52.0	78.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

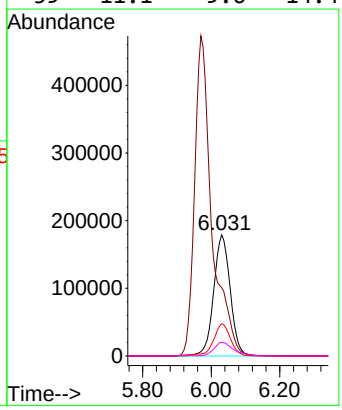
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

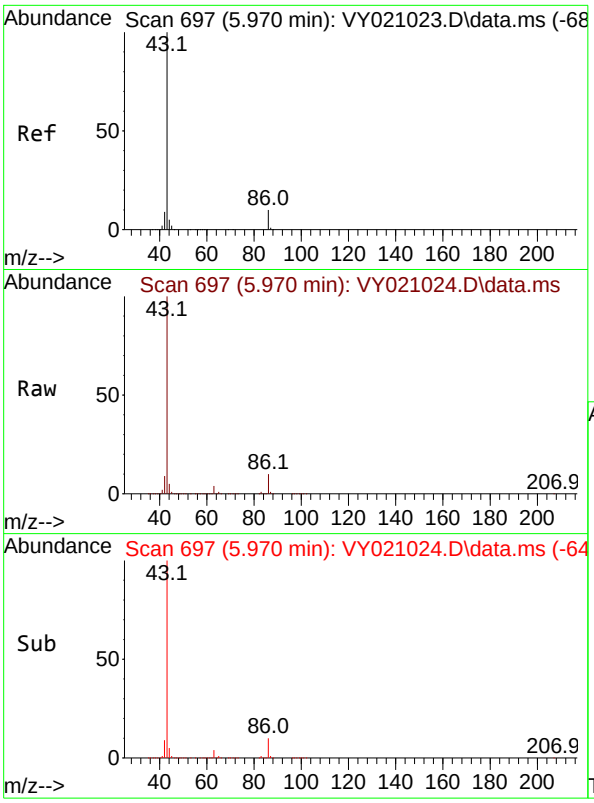


#22
Diisopropyl ether
Concen: 132.422 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 45 Resp: 598063

Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.1	67.7
87	26.7	25.0	37.4
59	11.1	9.6	14.4





#23
Vinyl Acetate
Concen: 660.973 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

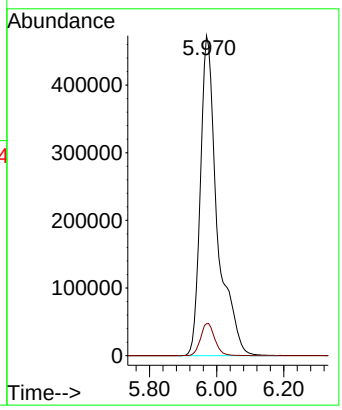
Tgt Ion: 43 Resp: 165315

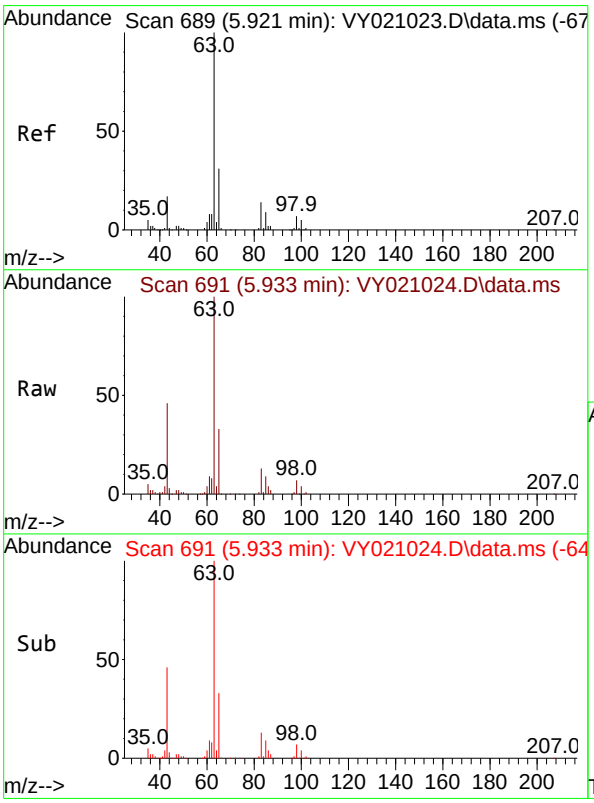
Ion	Ratio	Lower	Upper
43	100		
86	10.0	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

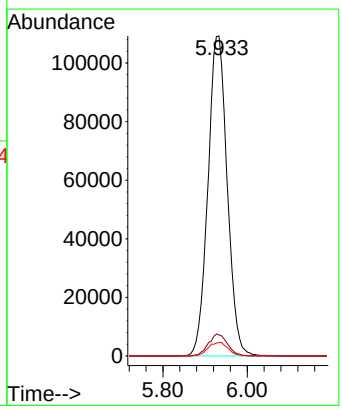


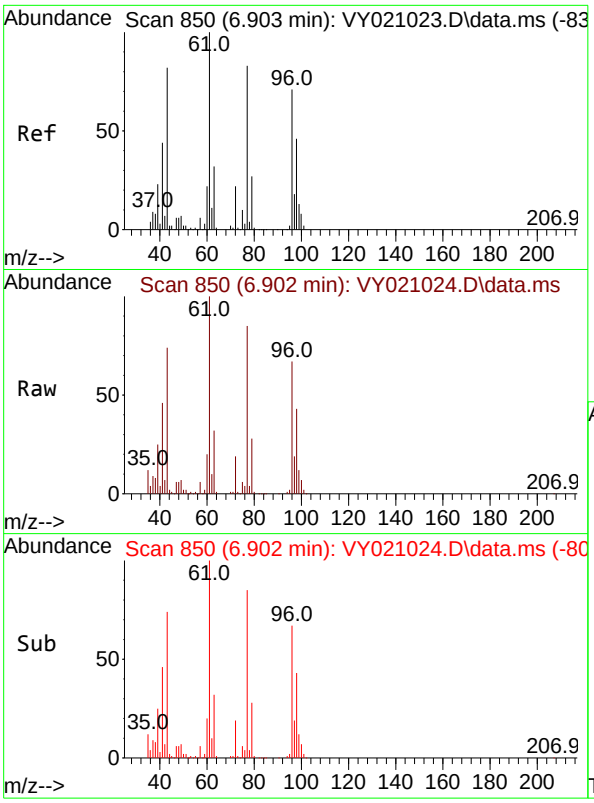


#24
1,1-Dichloroethane
Concen: 118.878 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.013 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 63 Resp: 346367

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.7	11.1
100	4.1	2.4	7.2

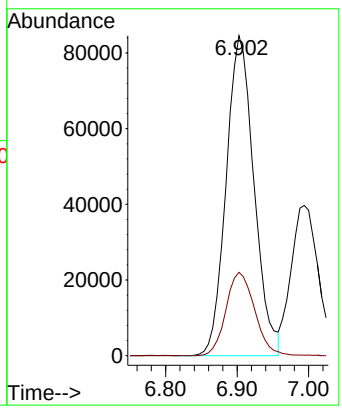




#25
2-Butanone
Concen: 613.177 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 22951

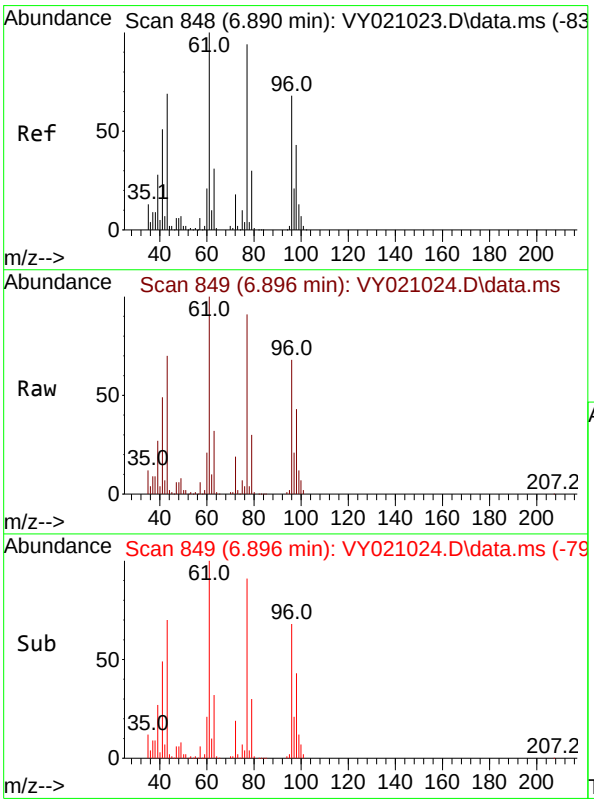
Ion	Ratio	Lower	Upper
43	100		
72	26.1	24.3	36.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

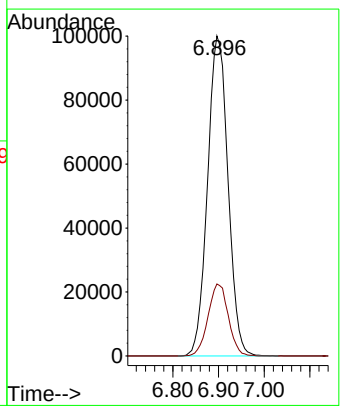
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

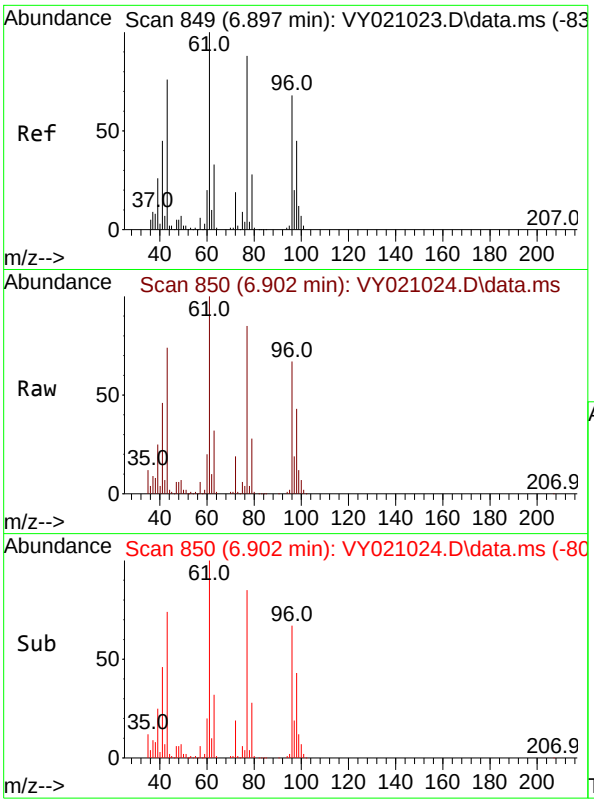


#26
2,2-Dichloropropane
Concen: 108.502 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 77 Resp: 311254

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 110.326 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

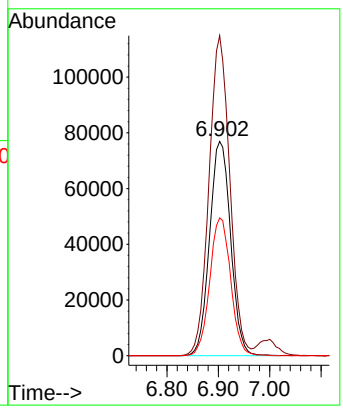
Tgt Ion: 96 Resp: 21881

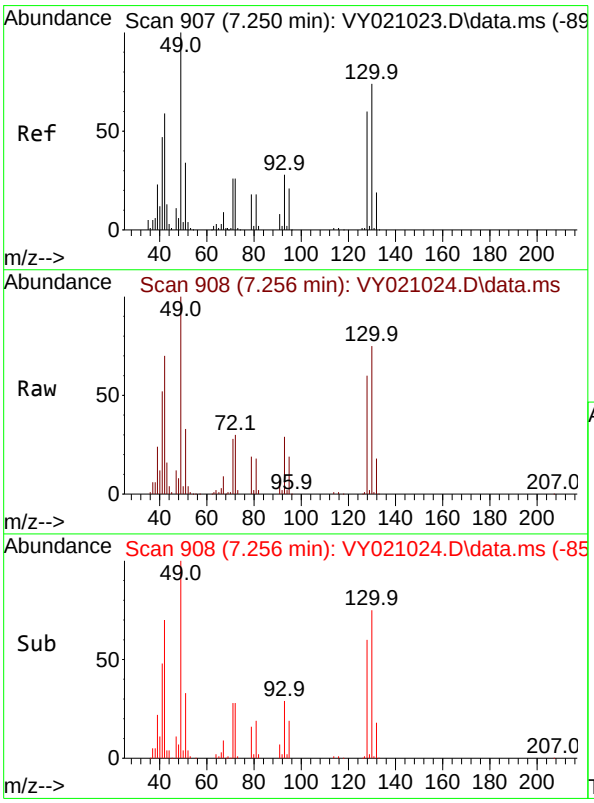
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	274.0
98	63.9	0.0	130.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

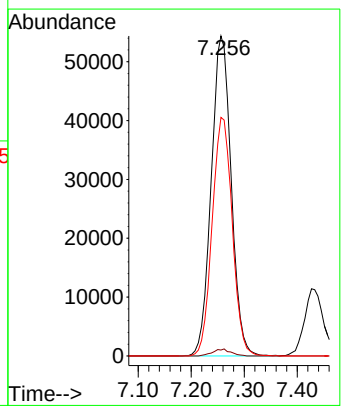


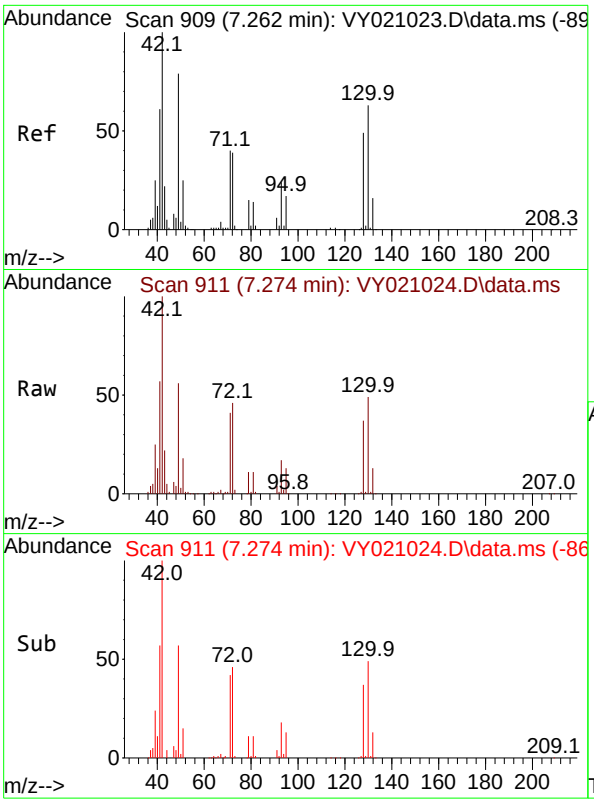


#28
Bromochloromethane
Concen: 130.955 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 49 Resp: 142156

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.0
130	74.8	73.2	109.8

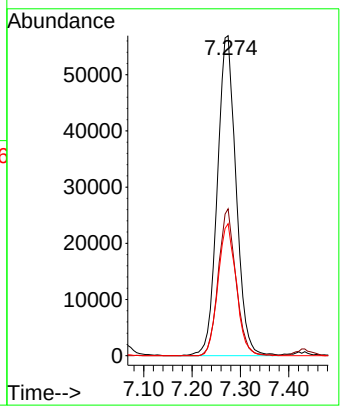




#29
Tetrahydrofuran
Concen: 607.855 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 42 Resp: 15310

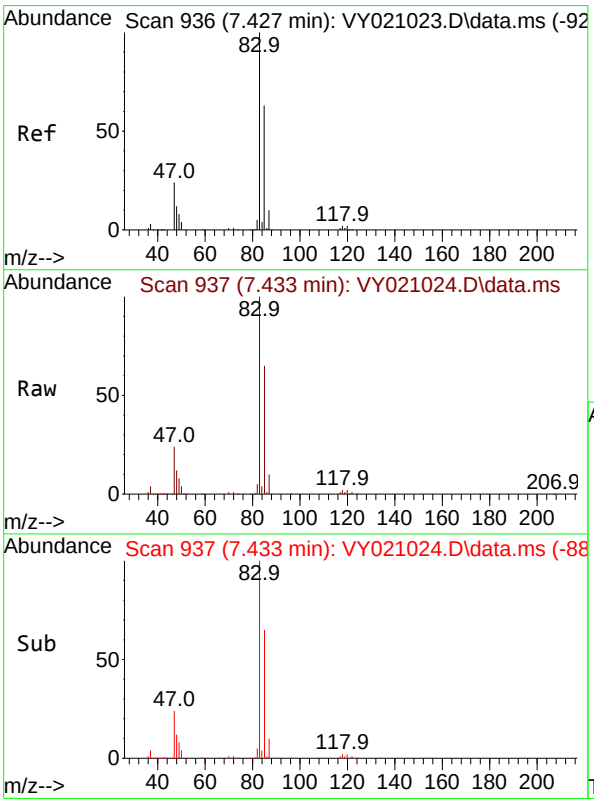
Ion	Ratio	Lower	Upper
42	100		
72	43.3	39.3	58.9
71	40.2	36.1	54.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

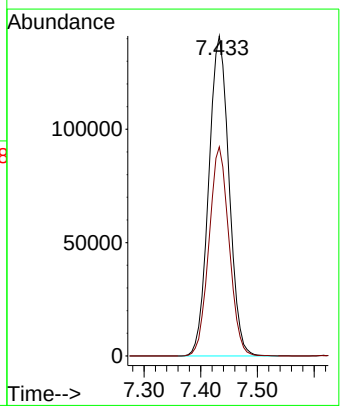
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

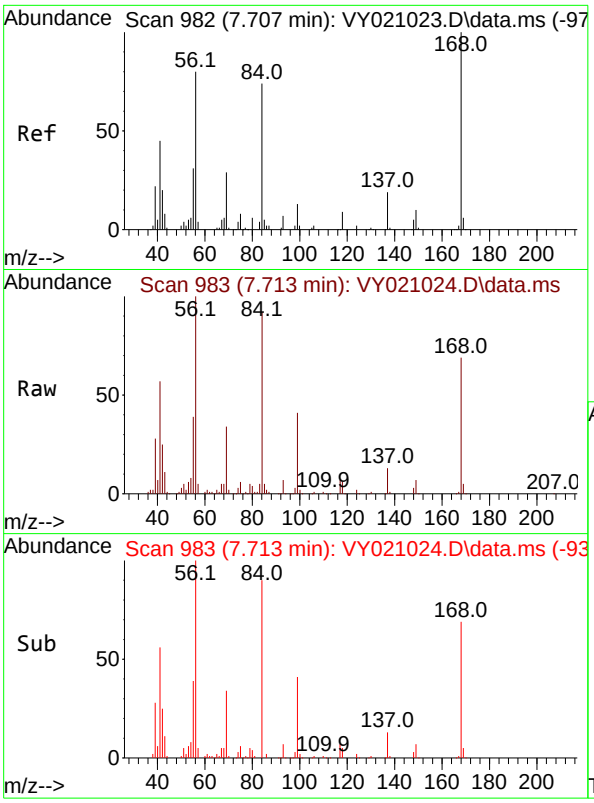


#30
Chloroform
Concen: 111.040 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 83 Resp: 350416

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.9	79.3

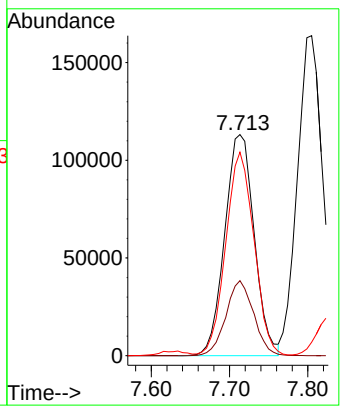




#31
Cyclohexane
Concen: 104.021 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 56 Resp: 29624

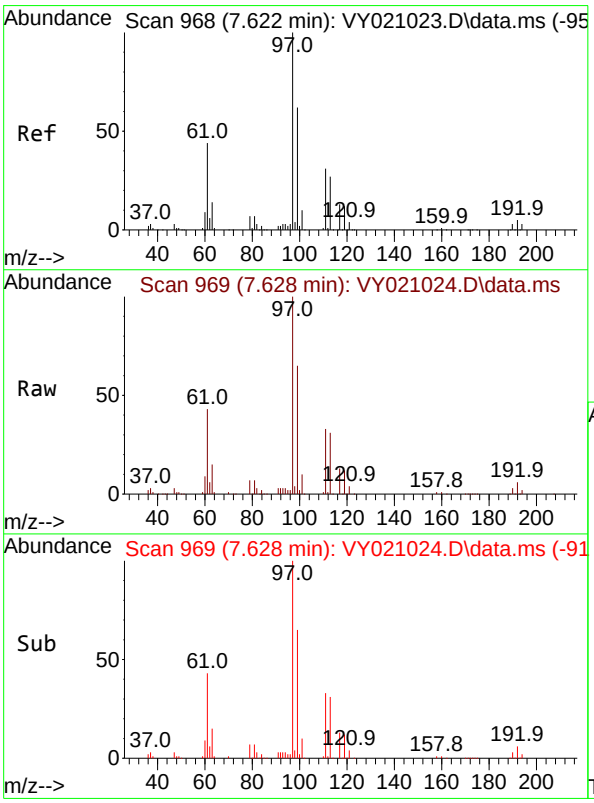
Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.7	41.5
84	90.1	77.5	116.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

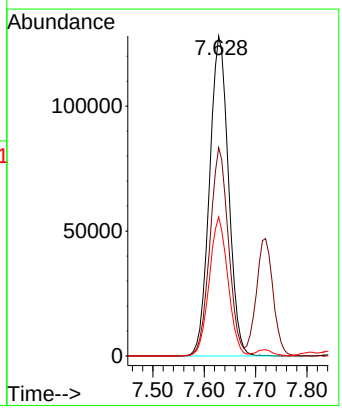
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

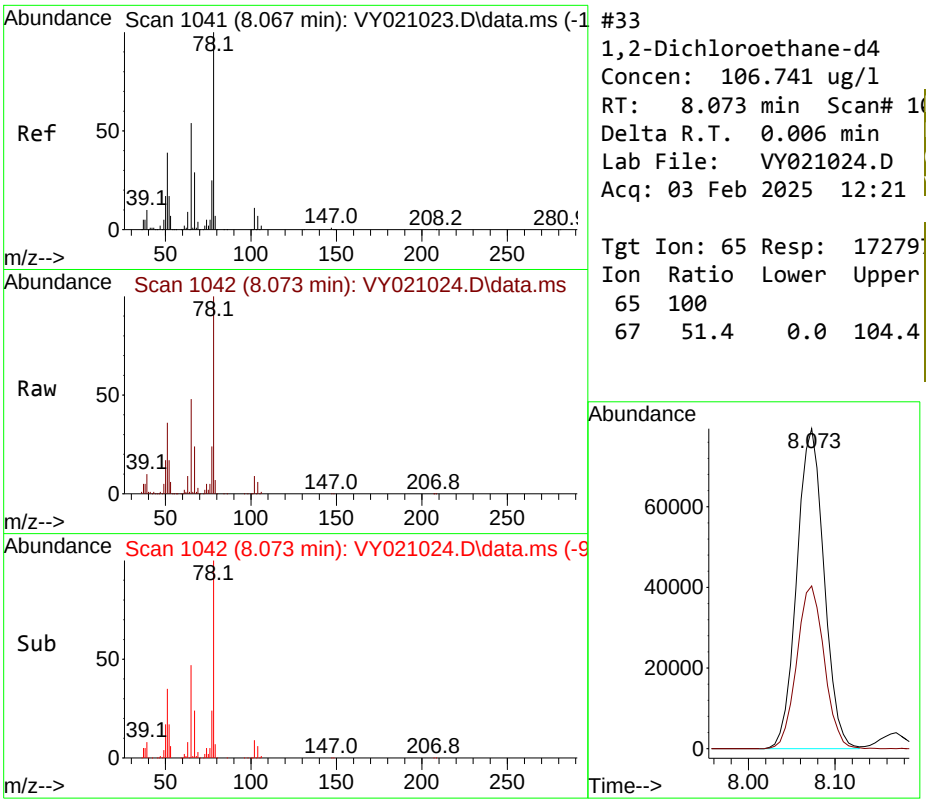


#32
1,1,1-Trichloroethane
Concen: 107.493 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 97 Resp: 328296

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	42.7	31.4	47.0





#33
1,2-Dichloroethane-d4
Concen: 106.741 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

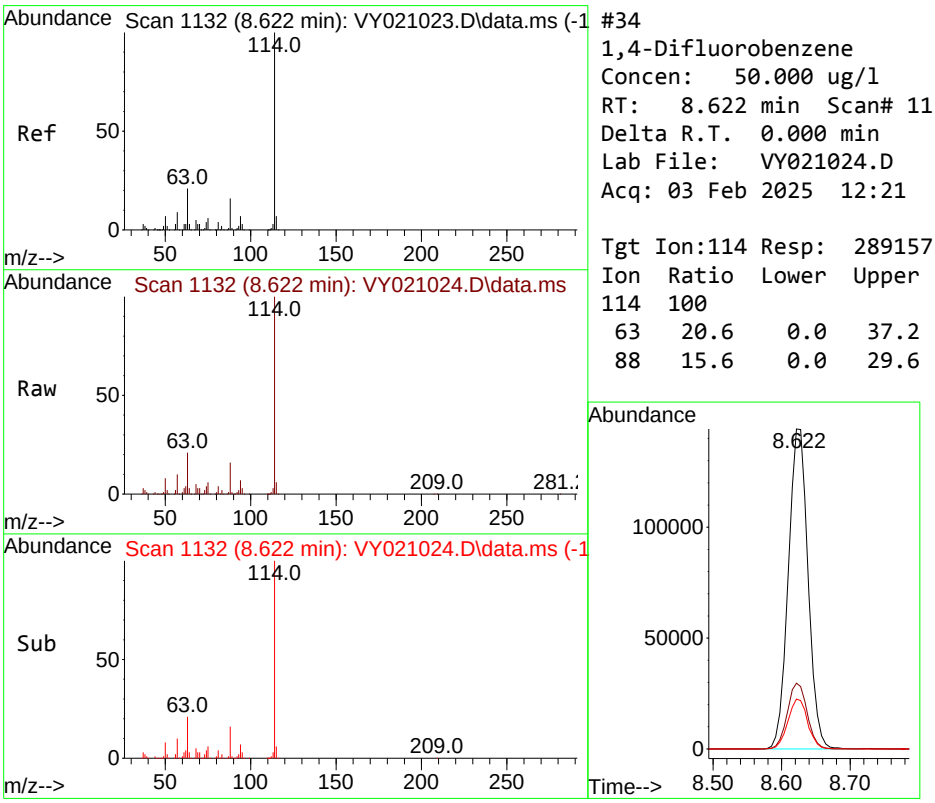
Tgt Ion: 65 Resp: 17279

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

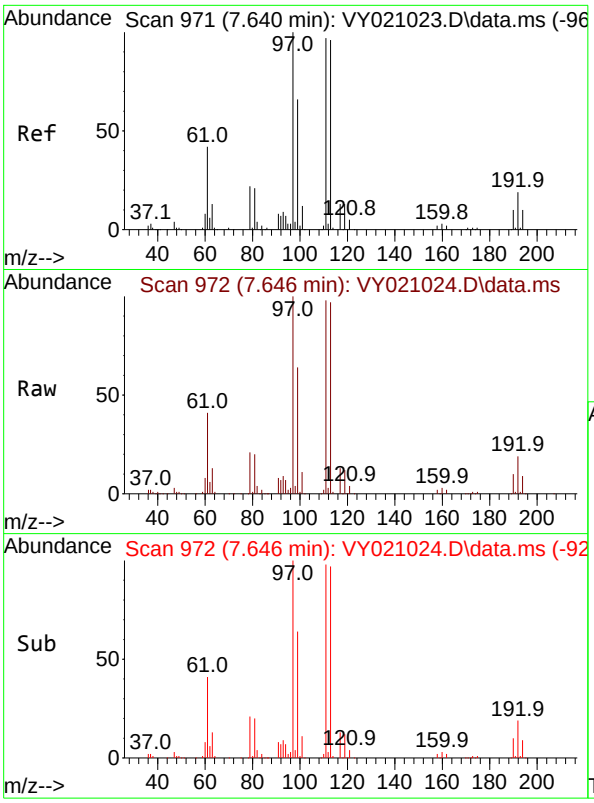
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:114 Resp: 289157

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	37.2
88	15.6	0.0	29.6



#35
Dibromofluoromethane
Concen: 98.858 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

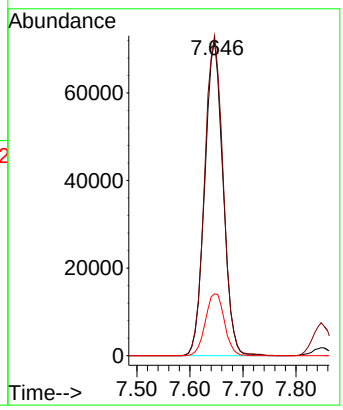
Tgt Ion:113 Resp: 17185

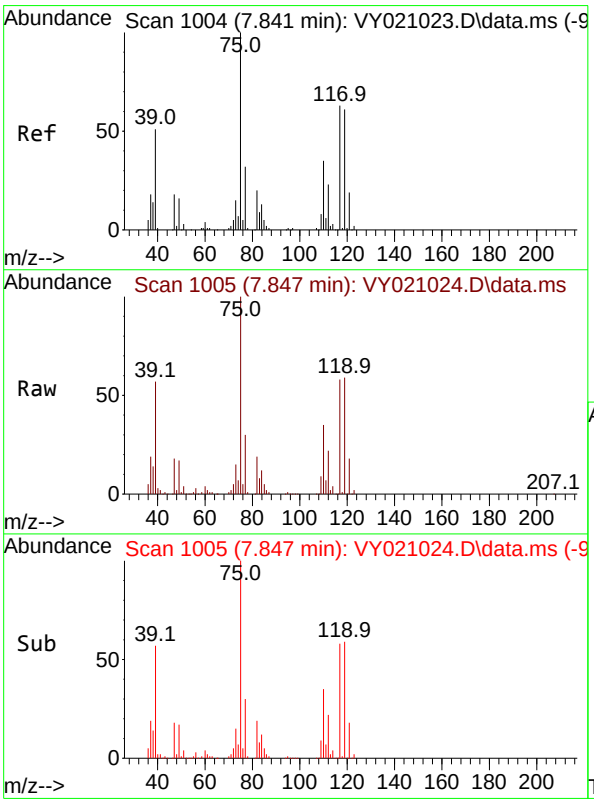
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	20.5	16.8	25.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

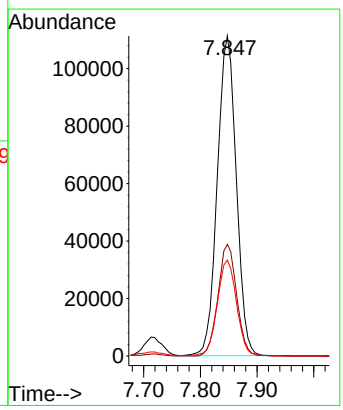


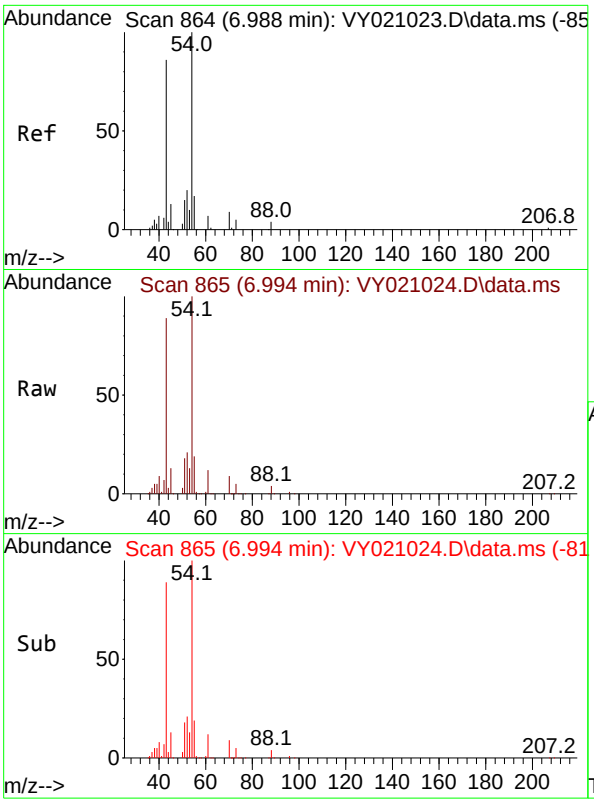


#36
1,1-Dichloropropene
Concen: 104.370 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 258833

Ion	Ratio	Lower	Upper
75	100		
110	34.2	18.4	55.2
77	30.5	24.9	37.3

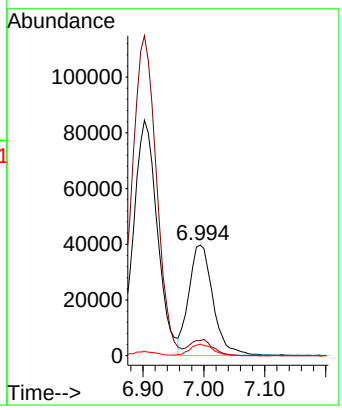




#37
Ethyl Acetate
Concen: 117.685 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 10880

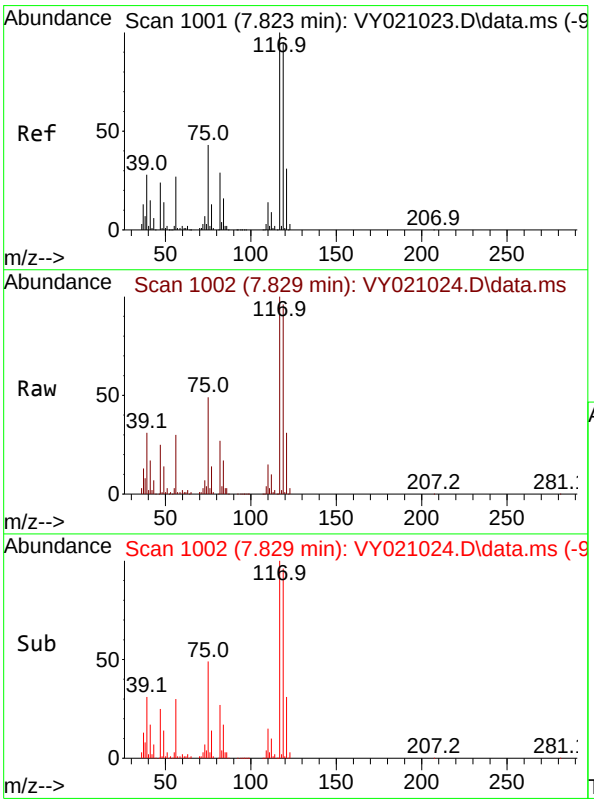
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	9.9	9.6	14.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

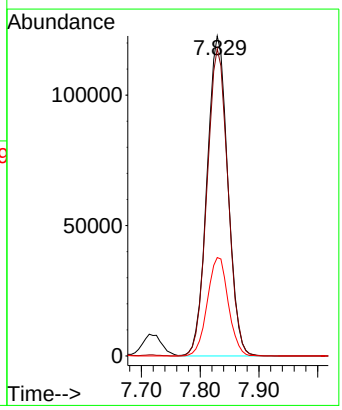
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

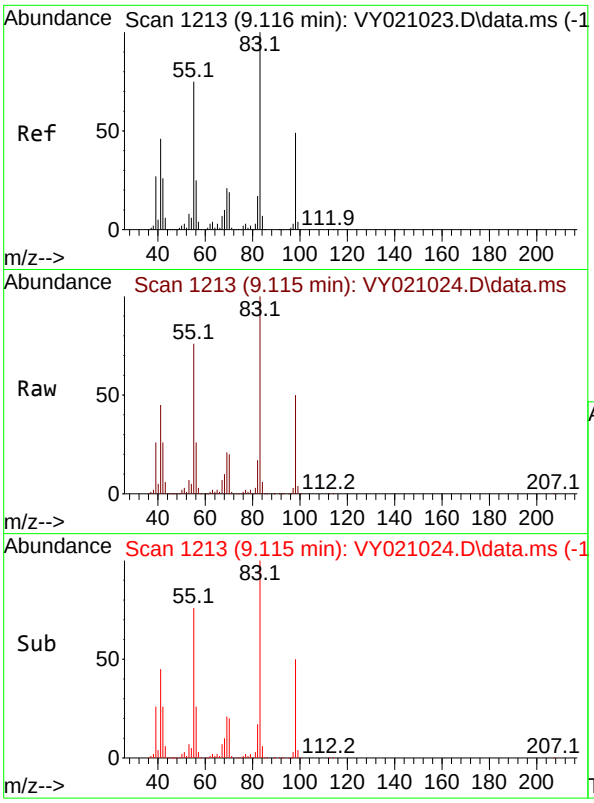


#38
Carbon Tetrachloride
Concen: 98.406 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:117 Resp: 302001

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.0	112.6
121	30.8	24.2	36.2





#39
Methylcyclohexane
Concen: 99.014 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

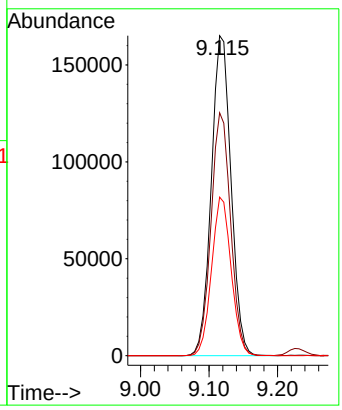
Tgt Ion: 83 Resp: 32986

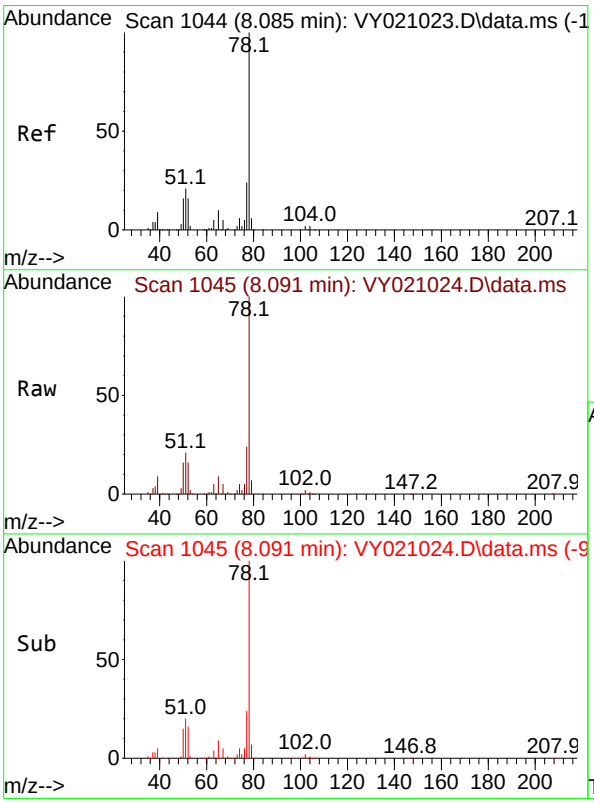
Ion	Ratio	Lower	Upper
83	100		
55	75.9	54.9	82.3
98	49.5	40.5	60.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

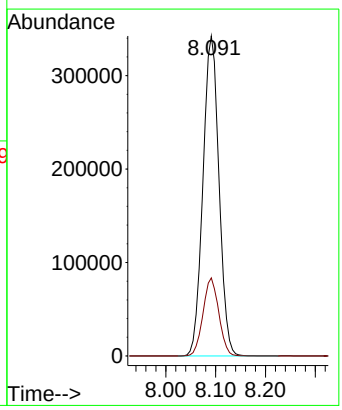


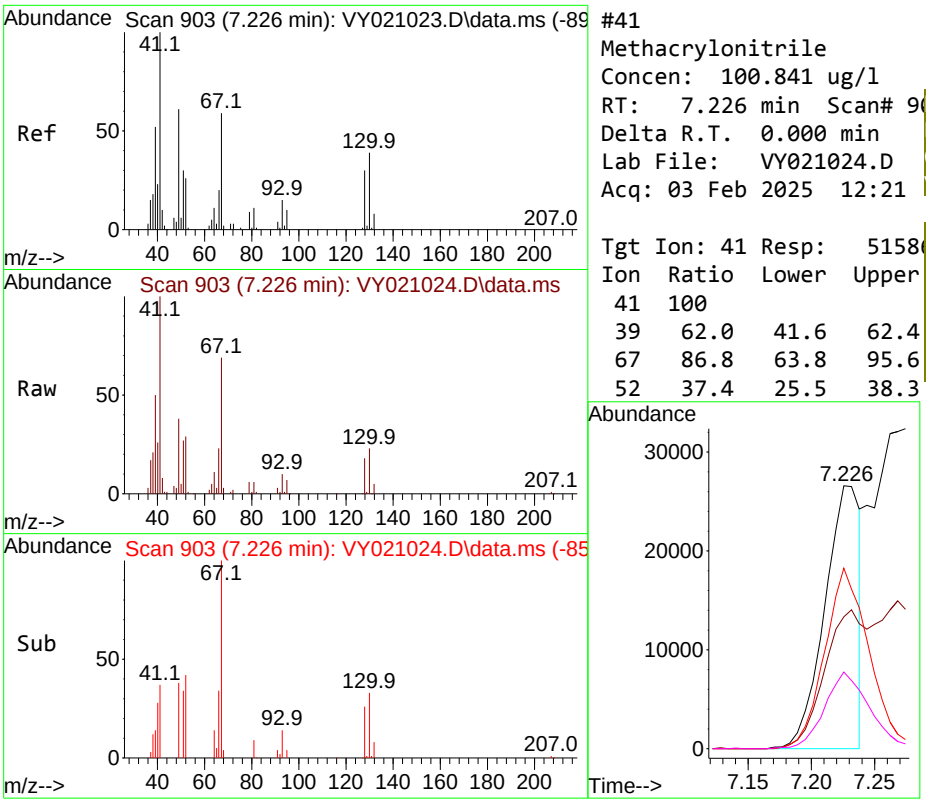


#40
Benzene
Concen: 104.883 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 78 Resp: 765340

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.2





#41
Methacrylonitrile
Concen: 100.841 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

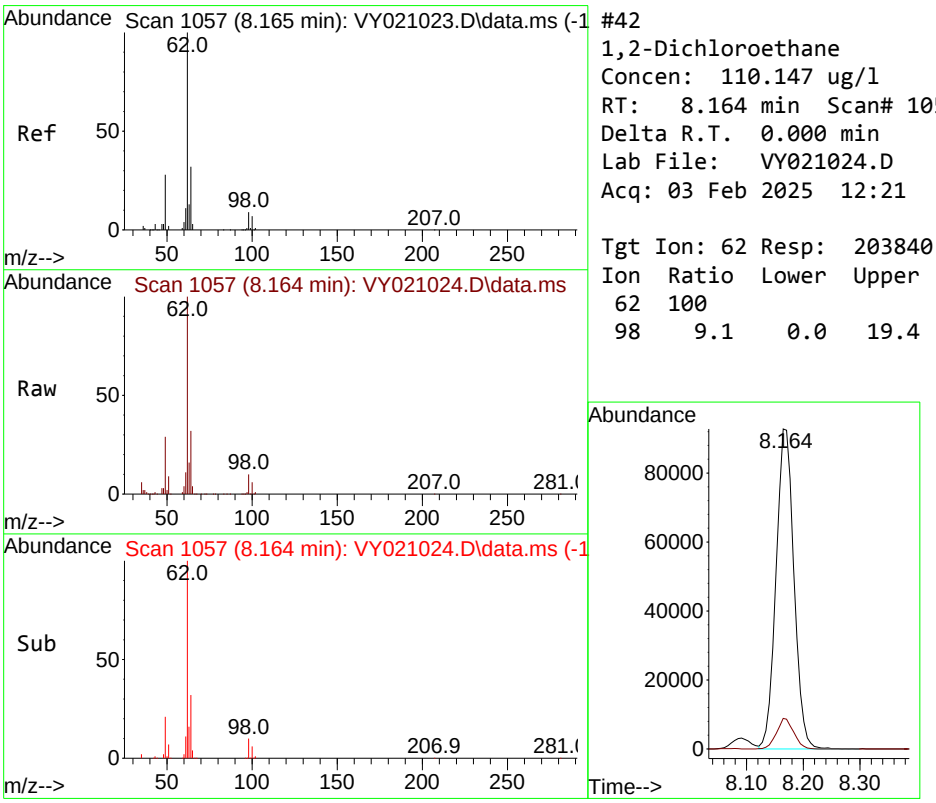
Tgt Ion: 41 Resp: 5158

Ion	Ratio	Lower	Upper
41	100		
39	62.0	41.6	62.4
67	86.8	63.8	95.6
52	37.4	25.5	38.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

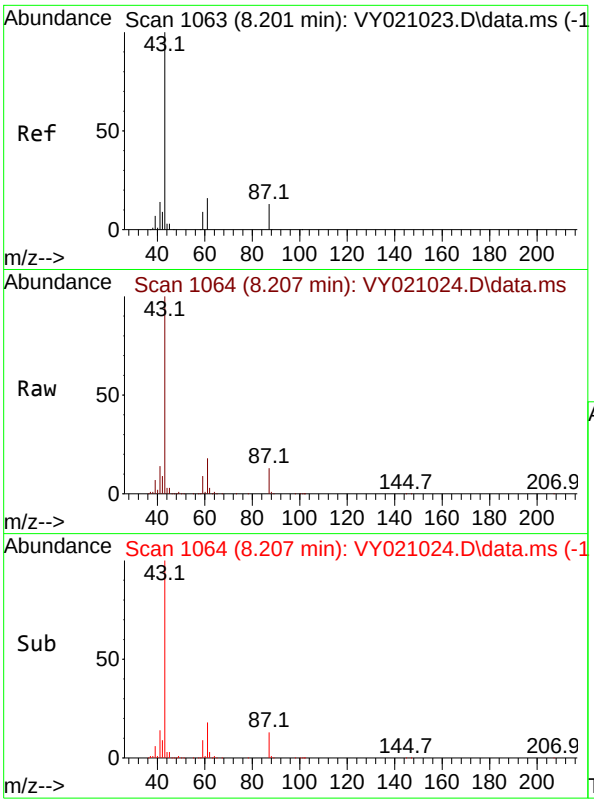
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#42
1,2-Dichloroethane
Concen: 110.147 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 62 Resp: 203840

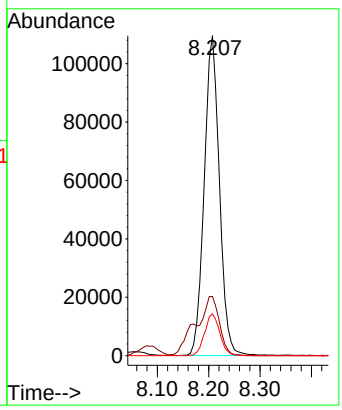
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.4



#43
Isopropyl Acetate
Concen: 121.752 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 22488

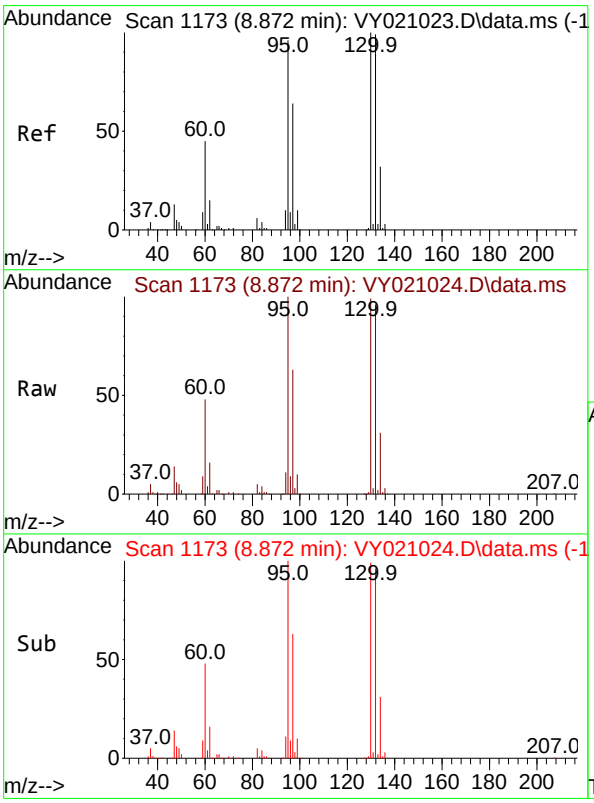
Ion	Ratio	Lower	Upper
43	100		
61	28.6	15.8	23.6
87	13.1	12.5	18.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

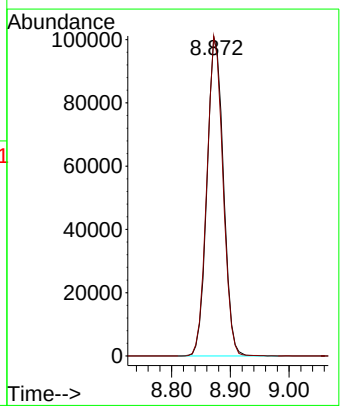
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

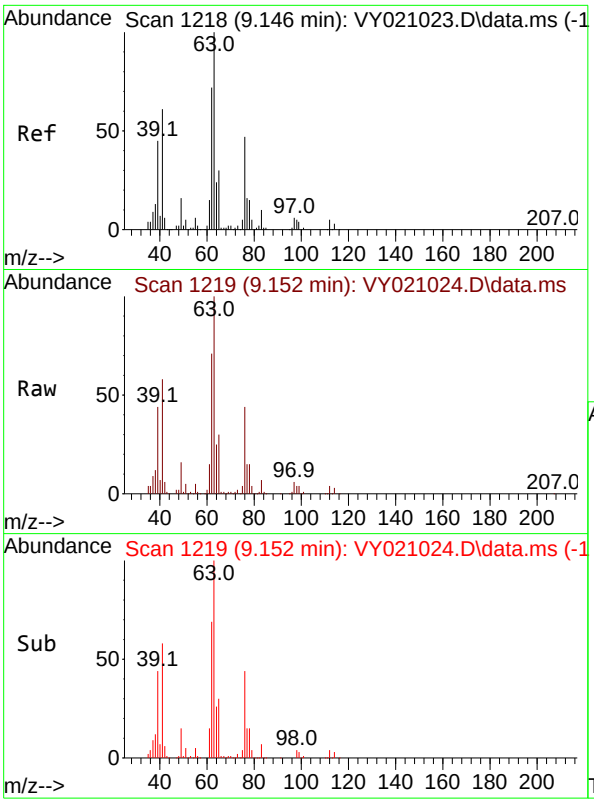


#44
Trichloroethene
Concen: 97.046 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:130 Resp: 195403

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	189.6

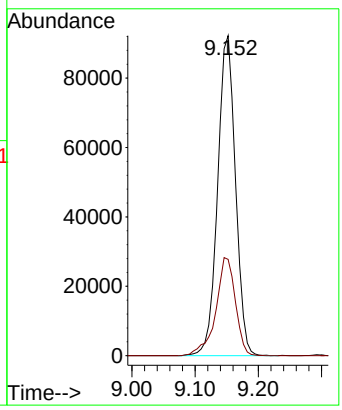




#45
1,2-Dichloropropane
Concen: 110.034 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 63 Resp: 17996

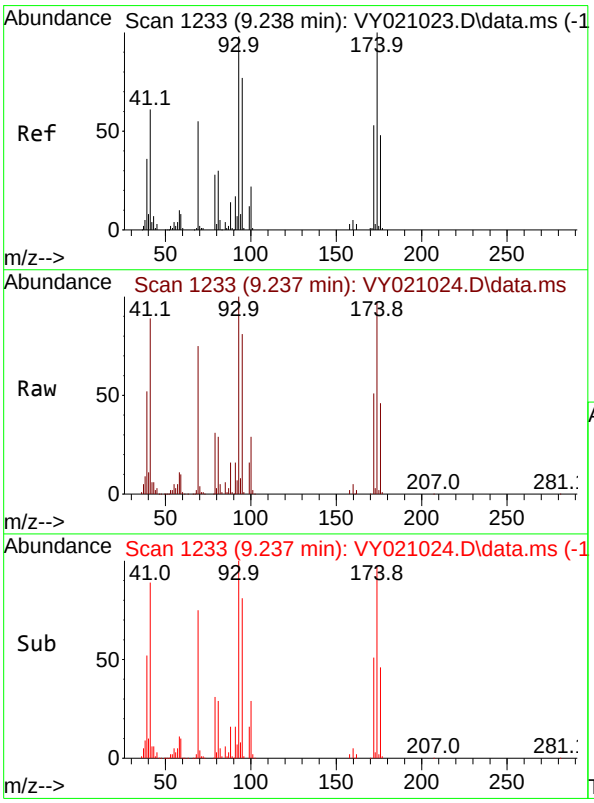
Ion	Ratio	Lower	Upper
63	100		
65	30.1	23.6	35.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

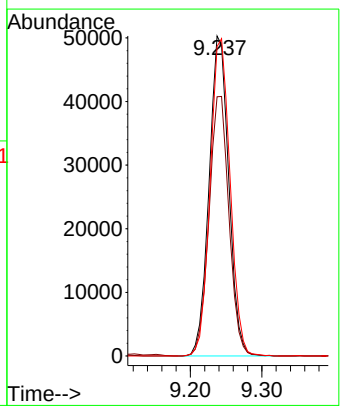
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

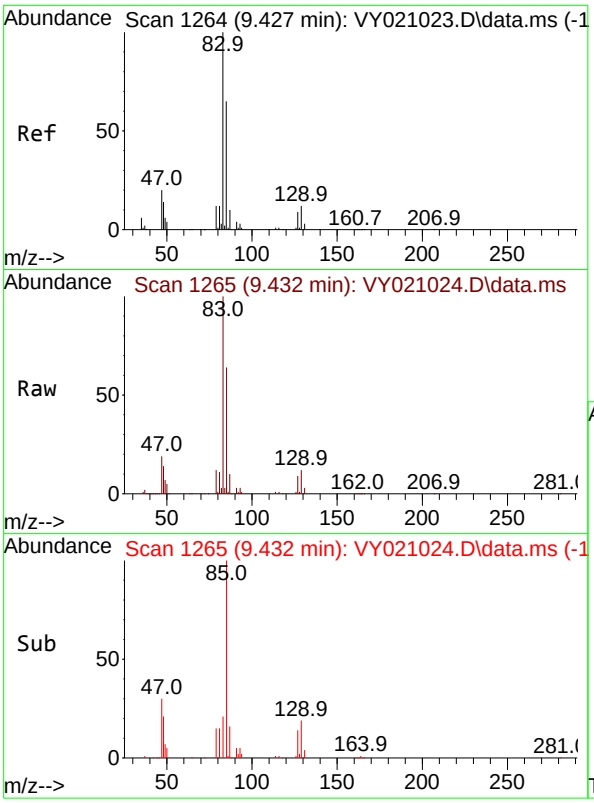


#46
Dibromomethane
Concen: 100.827 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 93 Resp: 95968

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	100.7	88.1	132.1

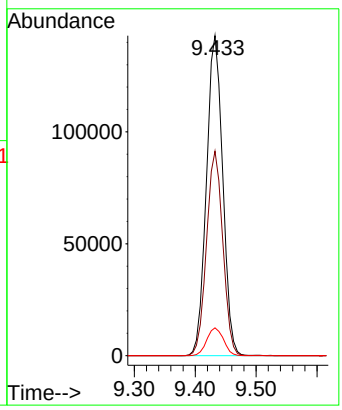




#47
Bromodichloromethane
Concen: 106.226 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 83 Resp: 26551

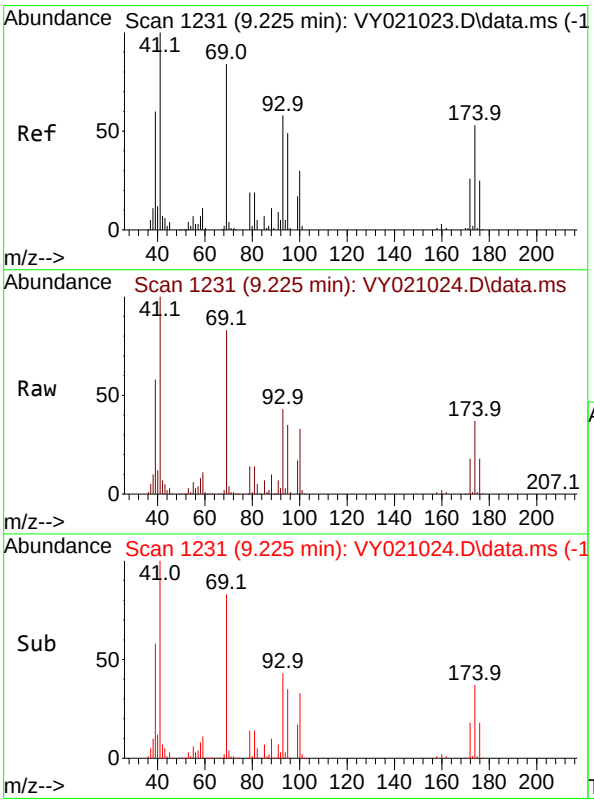
Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.6	74.4
127	8.7	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

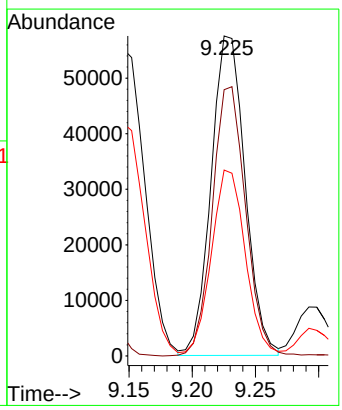
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

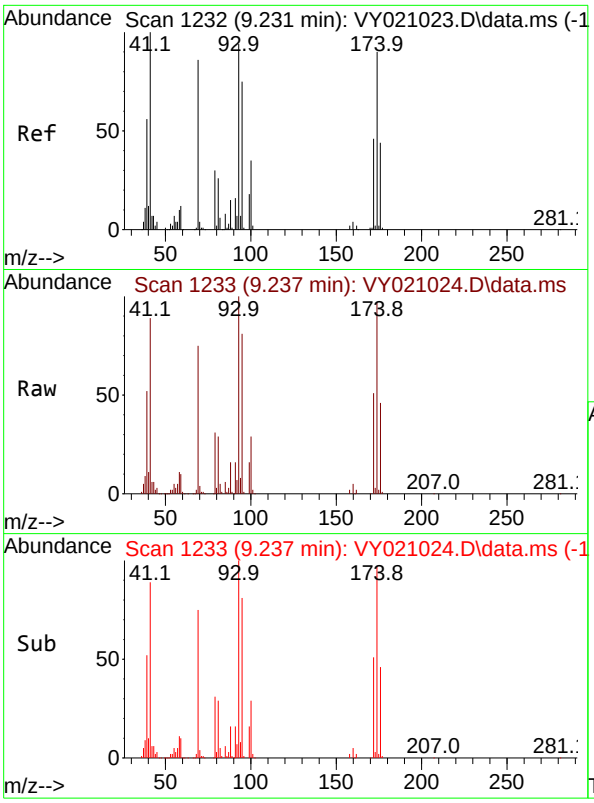


#48
Methyl methacrylate
Concen: 122.427 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 41 Resp: 107661

Ion	Ratio	Lower	Upper
41	100		
69	82.8	75.6	113.4
39	56.2	41.3	61.9

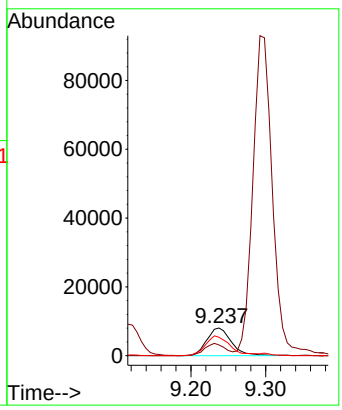




#49
1,4-Dioxane
Concen: 1817.108 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 88 Resp: 1837

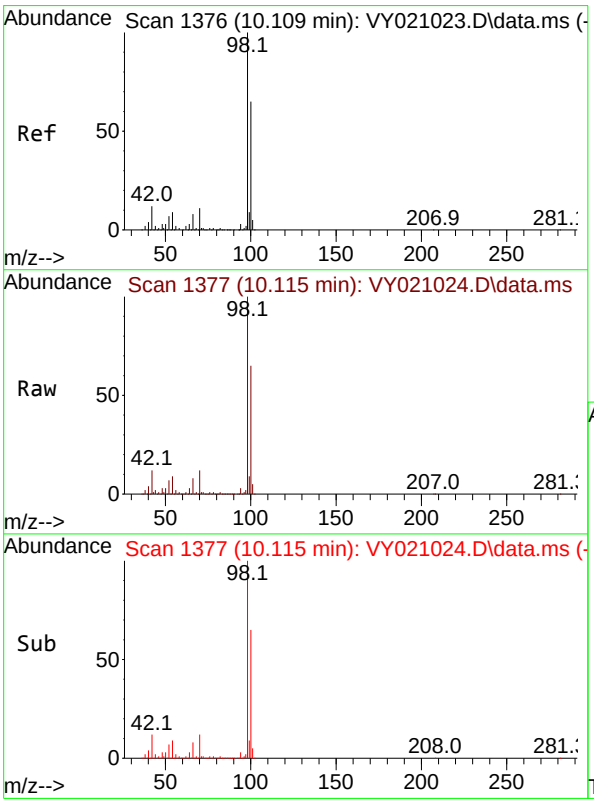
Ion	Ratio	Lower	Upper
88	100		
43	37.9	24.2	36.4
58	71.1	57.3	85.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

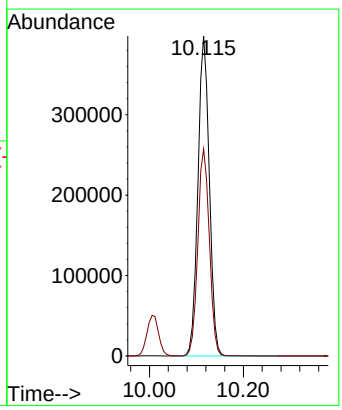
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

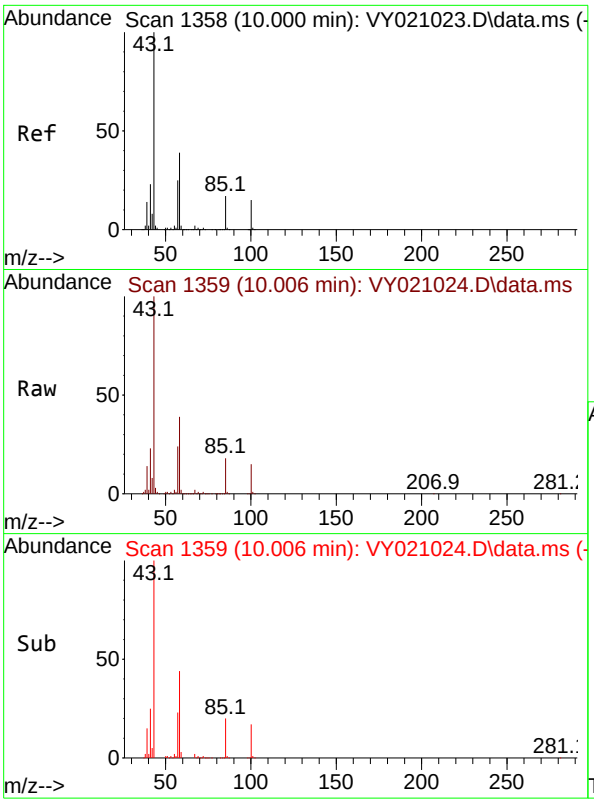


#50
Toluene-d8
Concen: 98.702 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 98 Resp: 669691

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.6	79.0

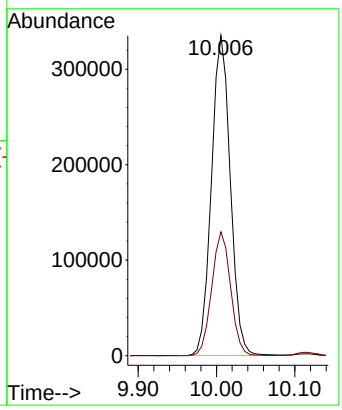




#51
4-Methyl-2-Pentanone
Concen: 592.226 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 56208

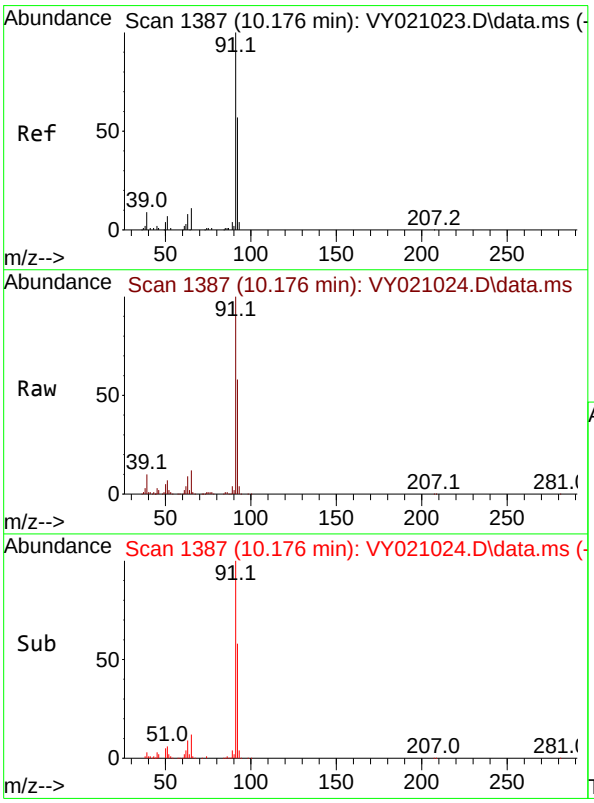
Ion	Ratio	Lower	Upper
43	100		
58	38.7	33.8	50.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

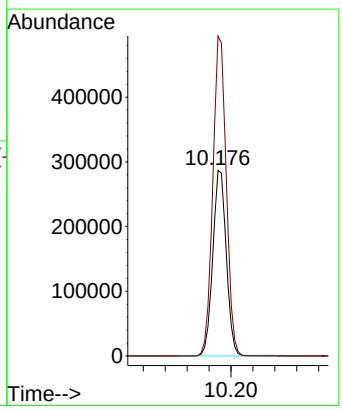
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

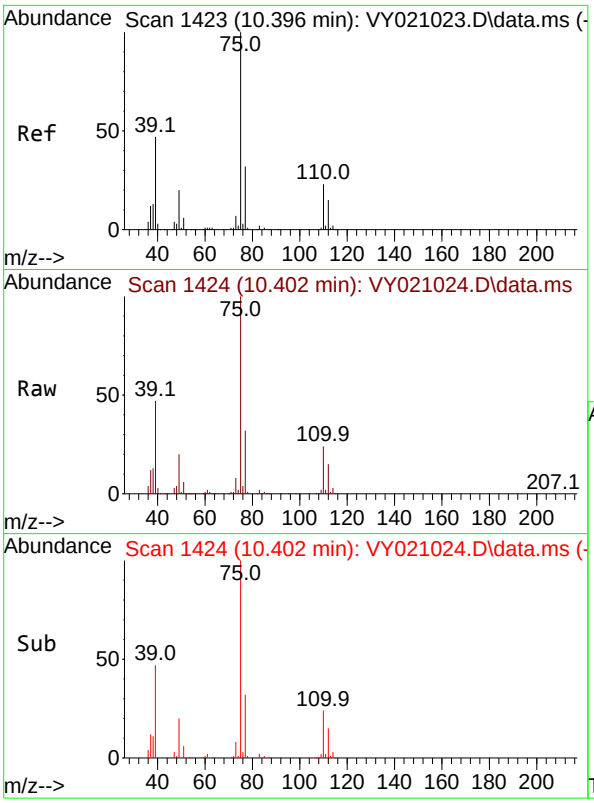


#52
Toluene
Concen: 103.090 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 92 Resp: 488296

Ion	Ratio	Lower	Upper
92	100		
91	171.7	135.8	203.8

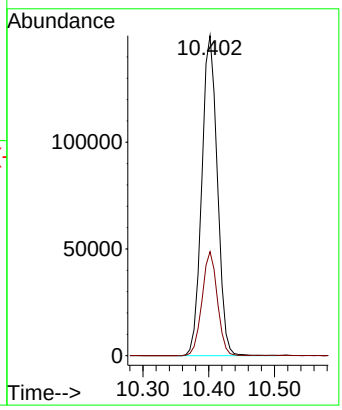




#53
t-1,3-Dichloropropene
Concen: 109.097 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 24676

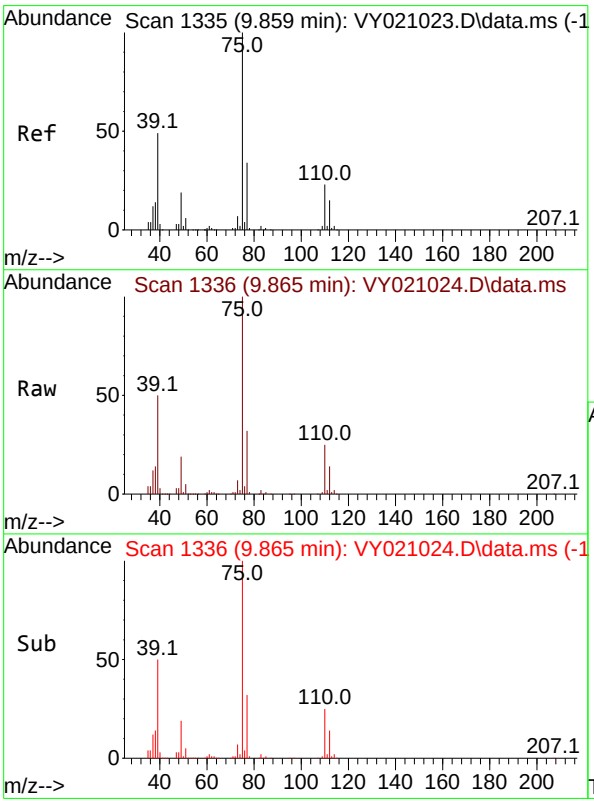
Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

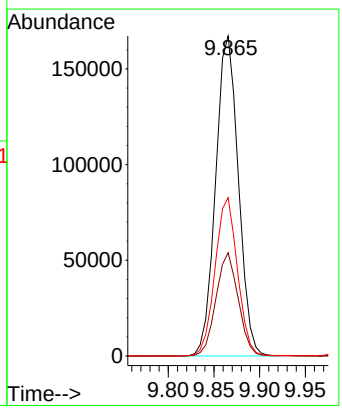
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

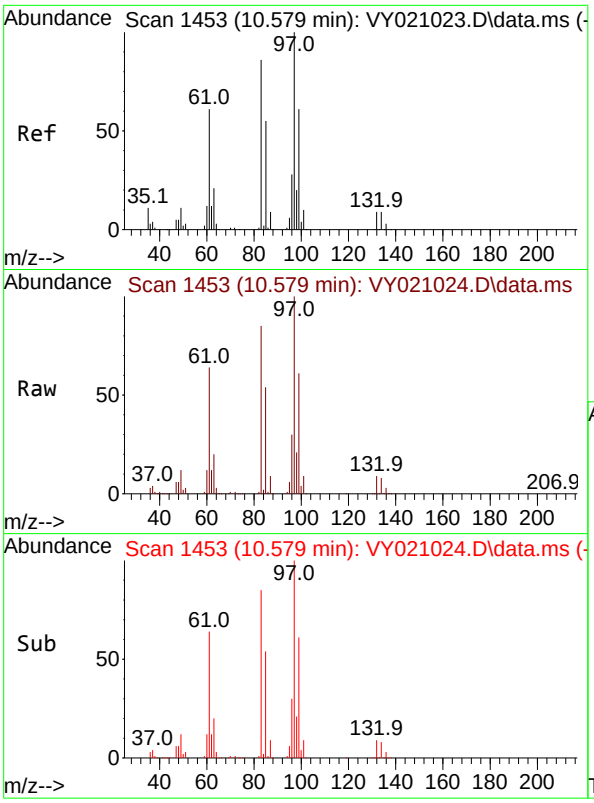


#54
cis-1,3-Dichloropropene
Concen: 107.141 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 289643

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0
39	49.5	32.2	48.2#

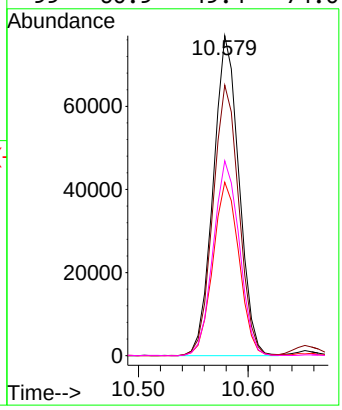




#55
1,1,2-Trichloroethane
Concen: 99.248 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 97 Resp: 12562

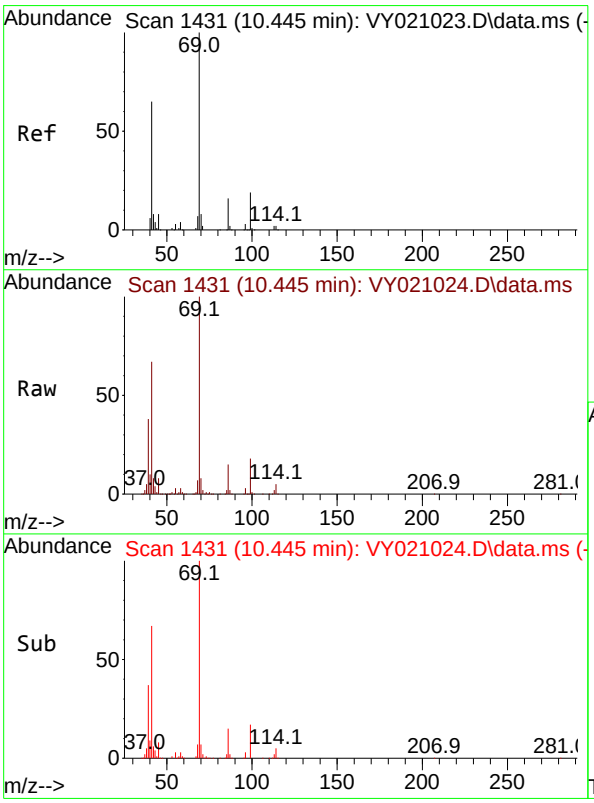
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.7	101.5
85	54.2	43.4	65.2
99	60.9	49.4	74.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

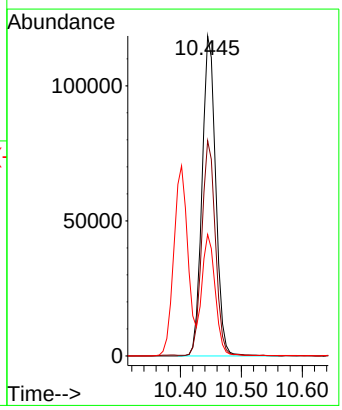
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

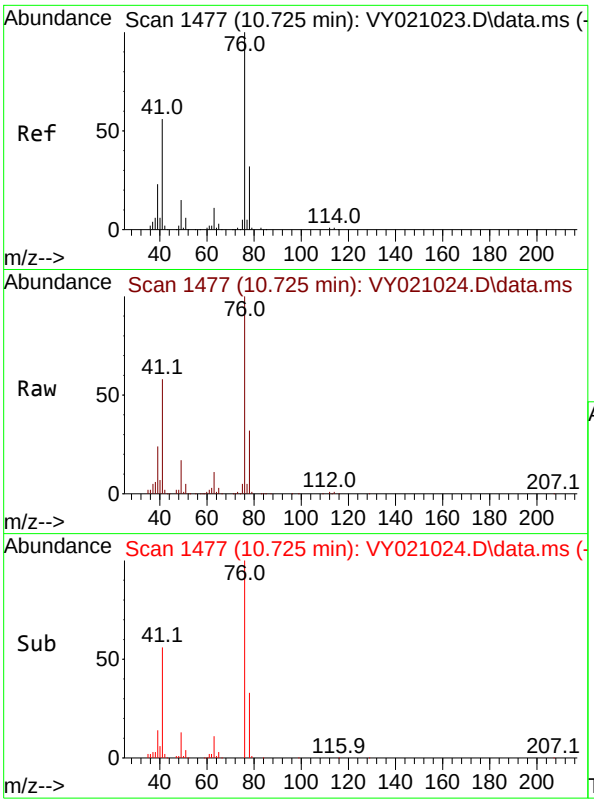


#56
Ethyl methacrylate
Concen: 111.337 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 69 Resp: 184212

Ion	Ratio	Lower	Upper
69	100		
41	66.9	46.3	69.5
39	36.5	24.5	36.7

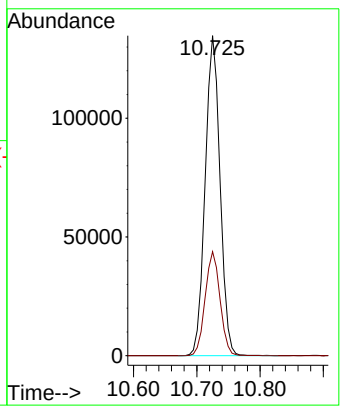




#57
1,3-Dichloropropane
Concen: 102.639 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 76 Resp: 22020

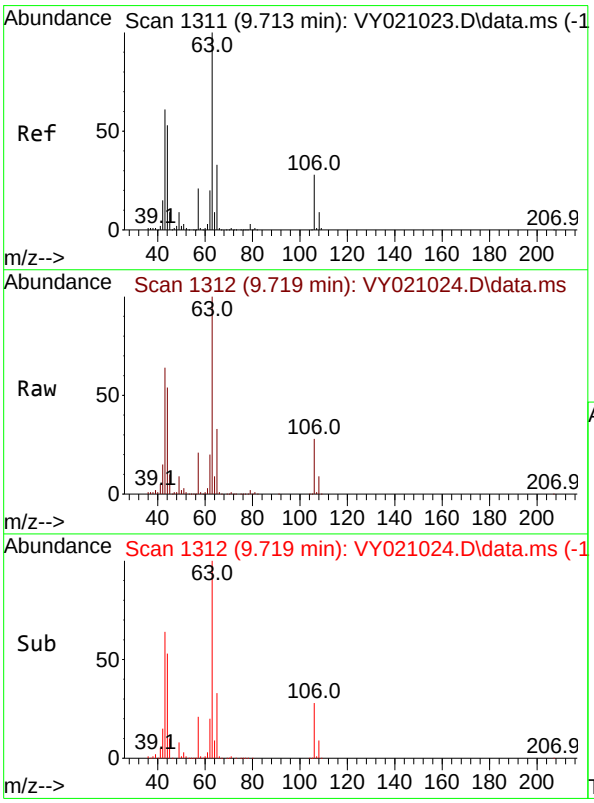
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

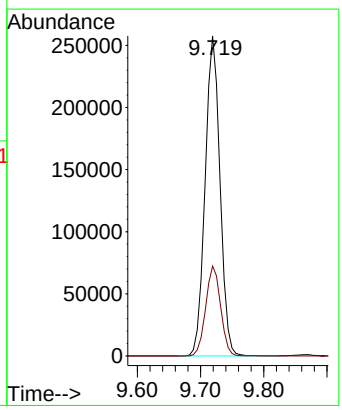
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

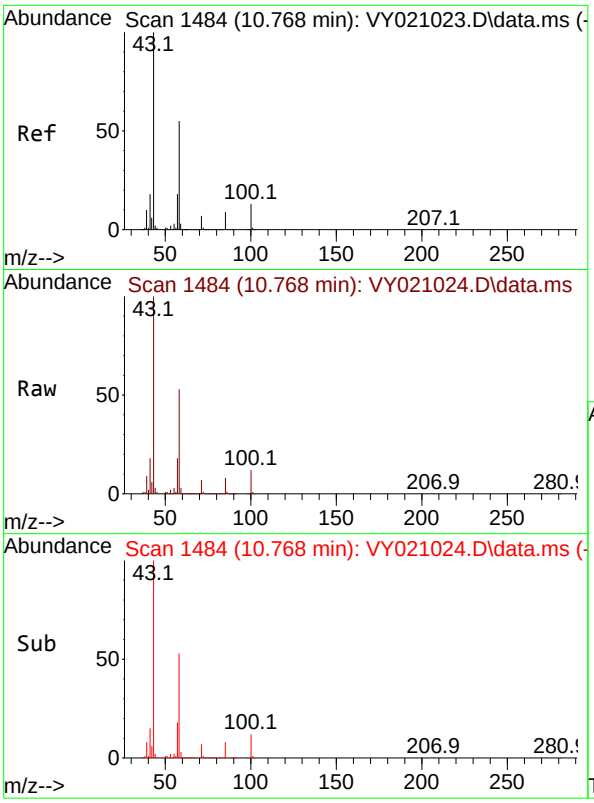


#58
2-Chloroethyl Vinyl ether
Concen: 599.795 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 63 Resp: 421206

Ion	Ratio	Lower	Upper
63	100		
106	28.2	24.7	37.1





#59
2-Hexanone
Concen: 605.028 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

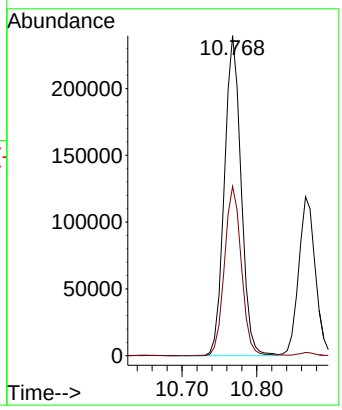
Tgt Ion: 43 Resp: 37324

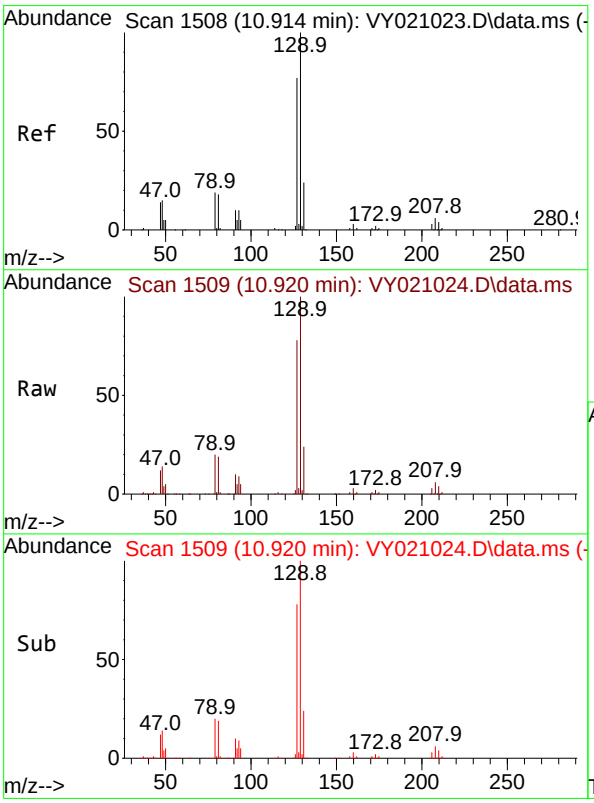
Ion	Ratio	Lower	Upper
43	100		
58	53.4	29.8	89.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

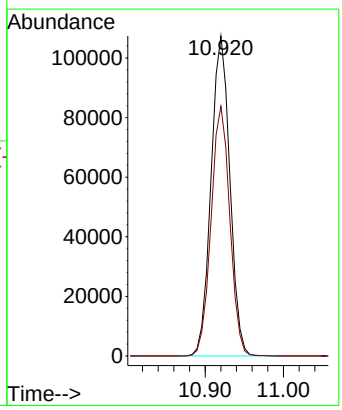


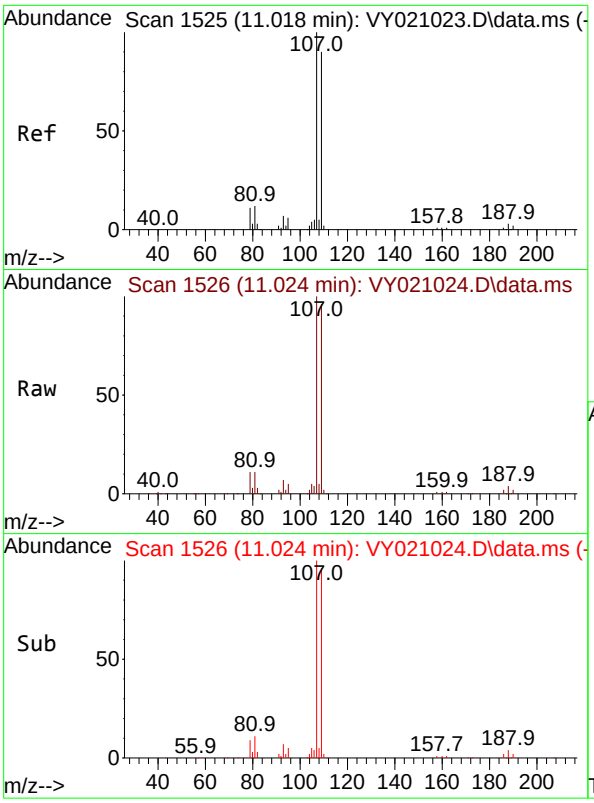


#60
Dibromochloromethane
Concen: 99.202 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:129 Resp: 179036

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.5	115.3

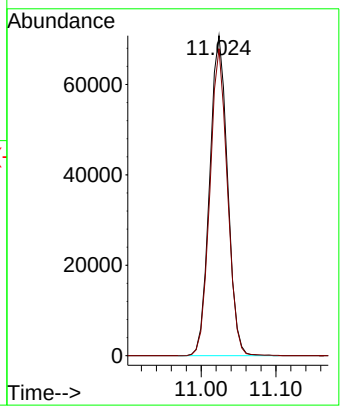




#61
1,2-Dibromoethane
Concen: 97.250 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:107 Resp: 11757

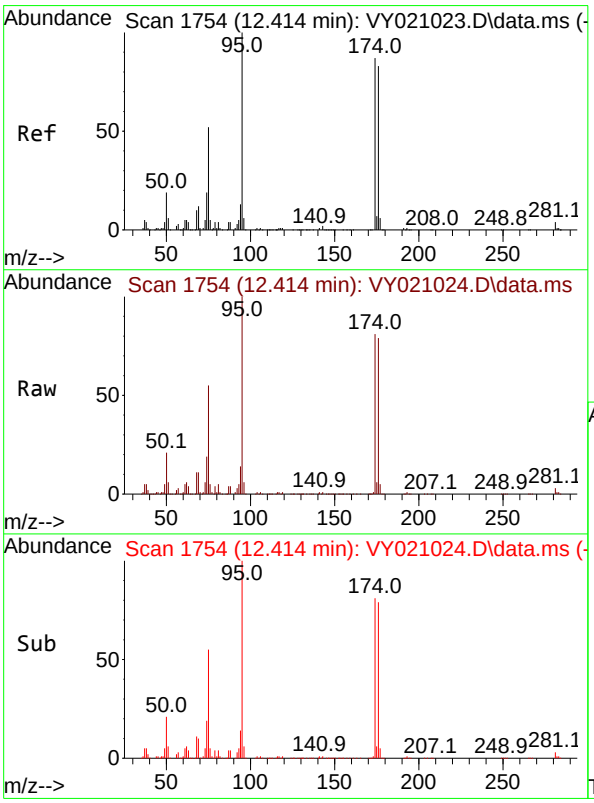
Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

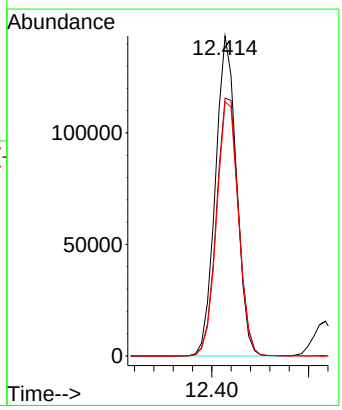
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

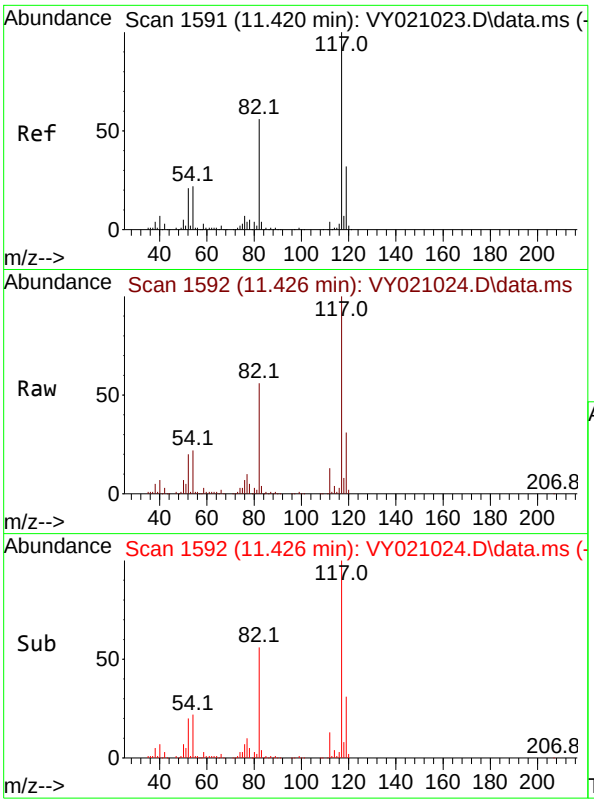


#62
4-Bromofluorobenzene
Concen: 95.157 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 95 Resp: 216644

Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	181.2
176	82.0	0.0	175.2

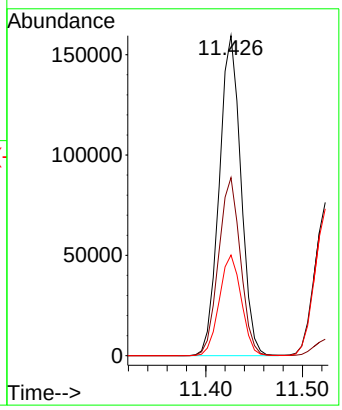




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:117 Resp: 24817

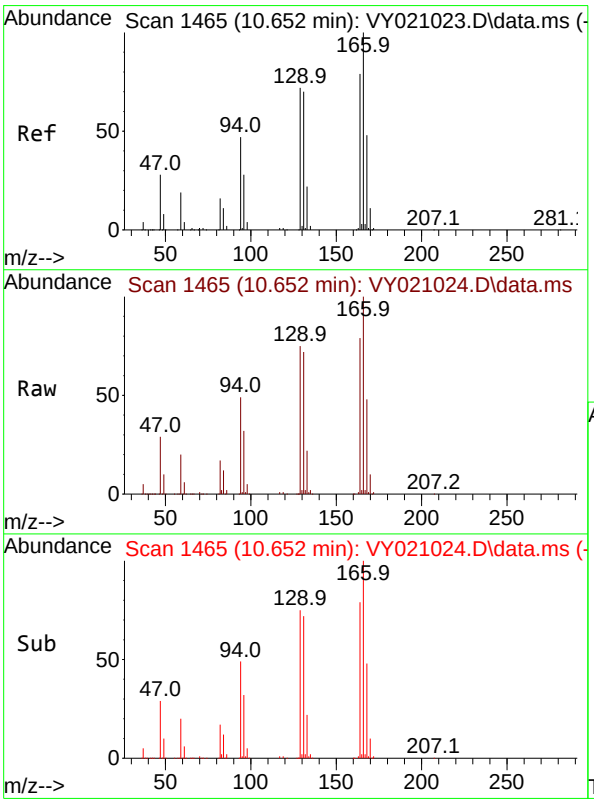
Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.2	66.2
119	31.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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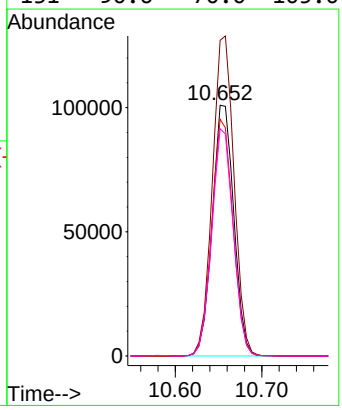
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

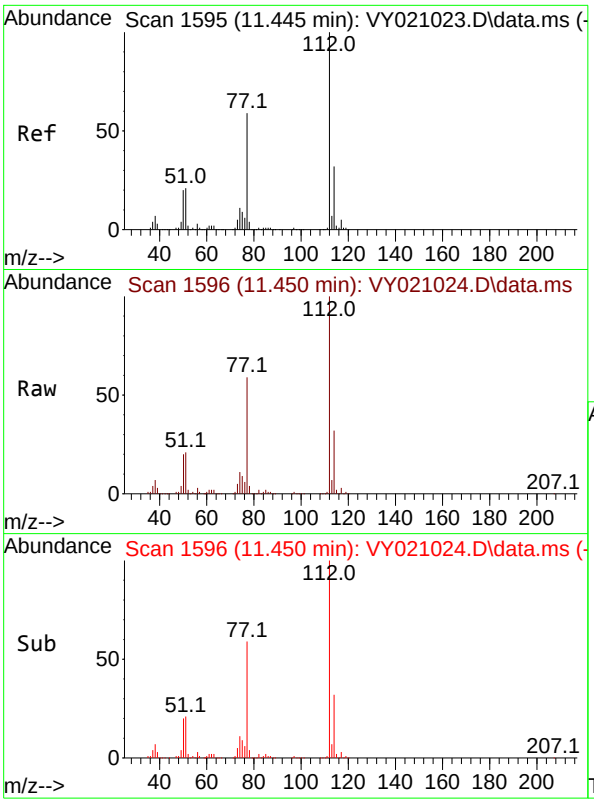


#64
Tetrachloroethene
Concen: 93.066 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:164 Resp: 174223

Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.4	150.6
129	94.4	70.8	106.2
131	90.6	70.0	105.0

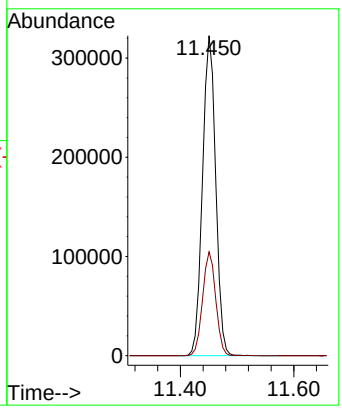




#65
Chlorobenzene
Concen: 99.441 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:112 Resp: 51994

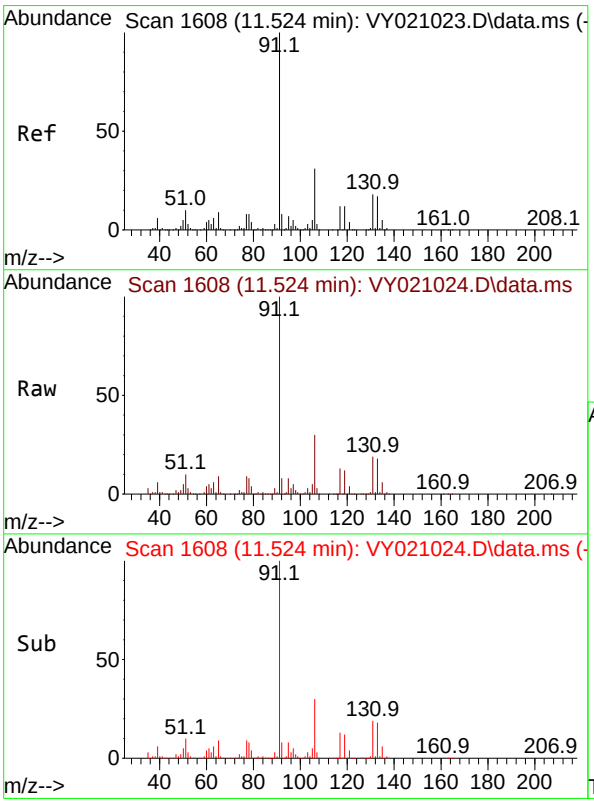
Ion	Ratio	Lower	Upper
112	100		
114	32.5	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

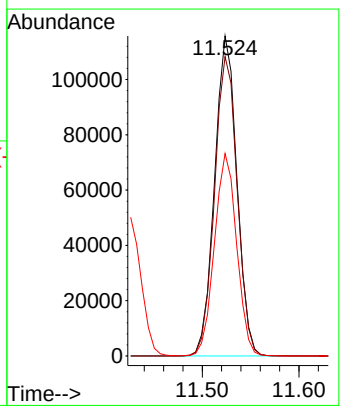
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

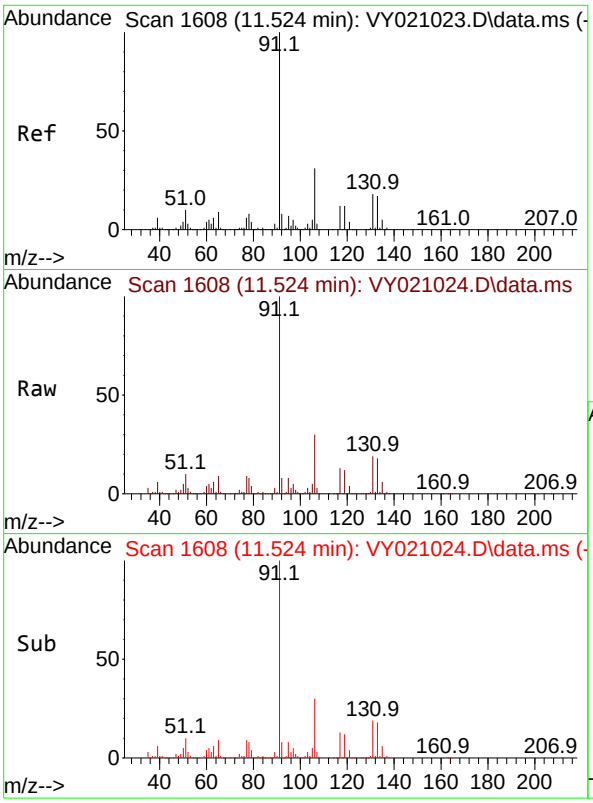


#66
1,1,1,2-Tetrachloroethane
Concen: 99.917 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:131 Resp: 185418

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.7	146.1
119	63.0	31.4	94.3





#67
Ethyl Benzene
Concen: 104.939 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

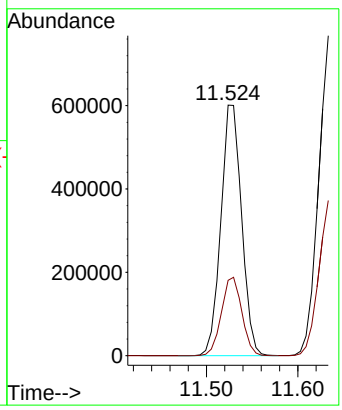
Tgt Ion: 91 Resp: 9500

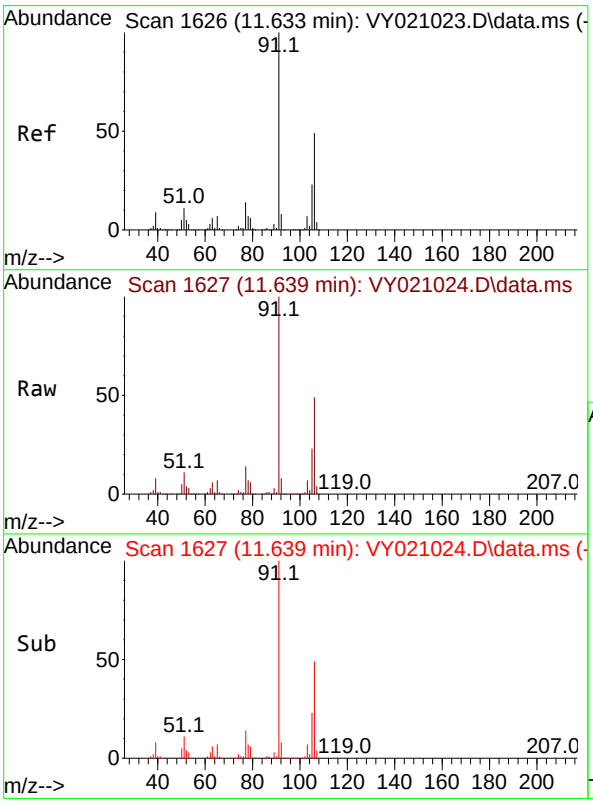
Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.9	37.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

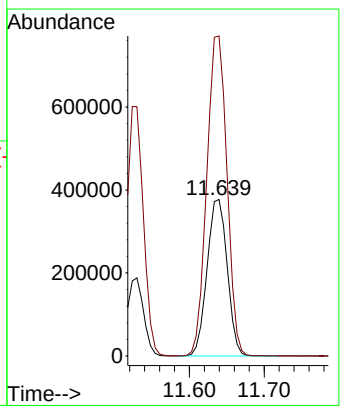


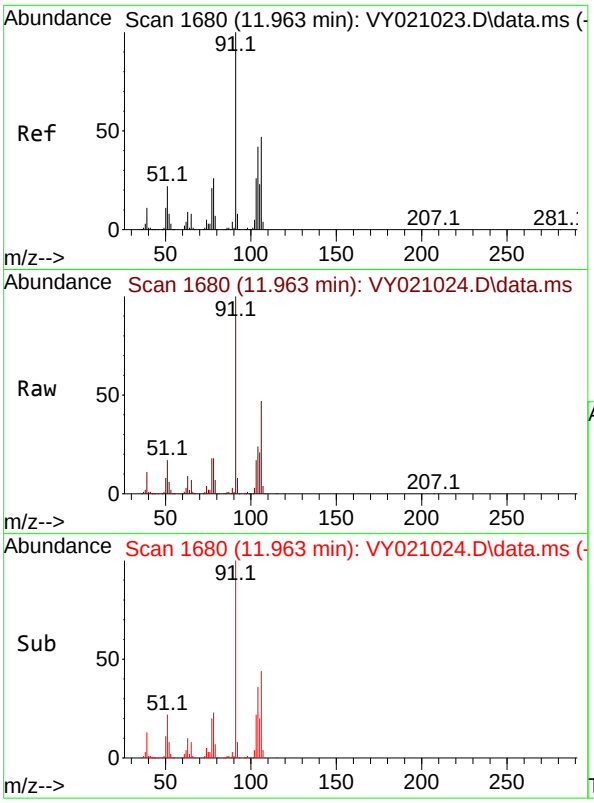


#68
m/p-Xylenes
Concen: 202.801 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:106 Resp: 705393

Ion	Ratio	Lower	Upper
106	100		
91	205.1	160.0	240.0





#69
o-Xylene
Concen: 102.783 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

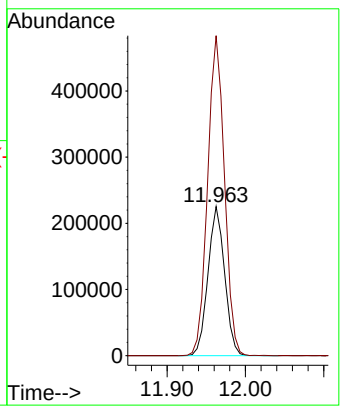
Tgt Ion:106 Resp: 33234

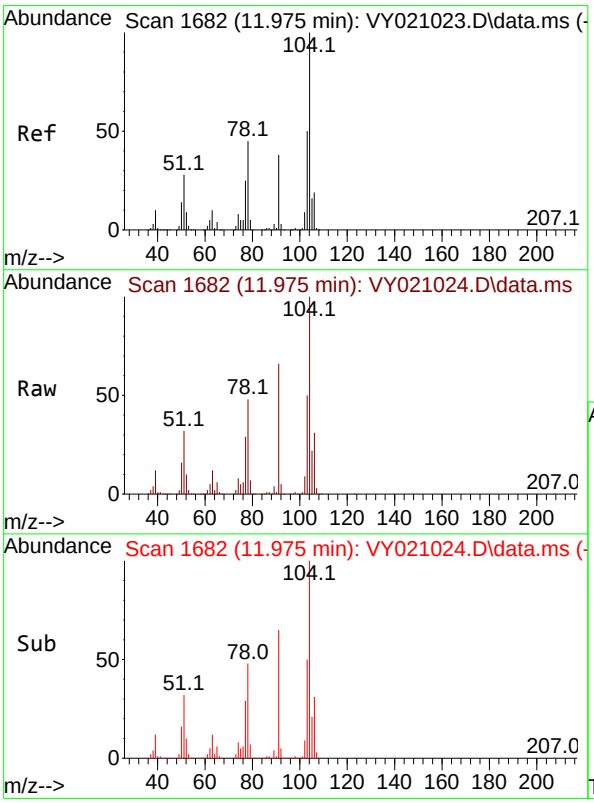
Ion	Ratio	Lower	Upper
106	100		
91	216.9	105.8	317.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

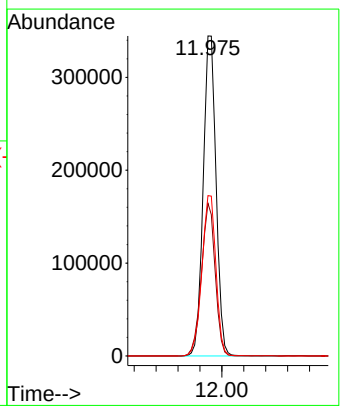


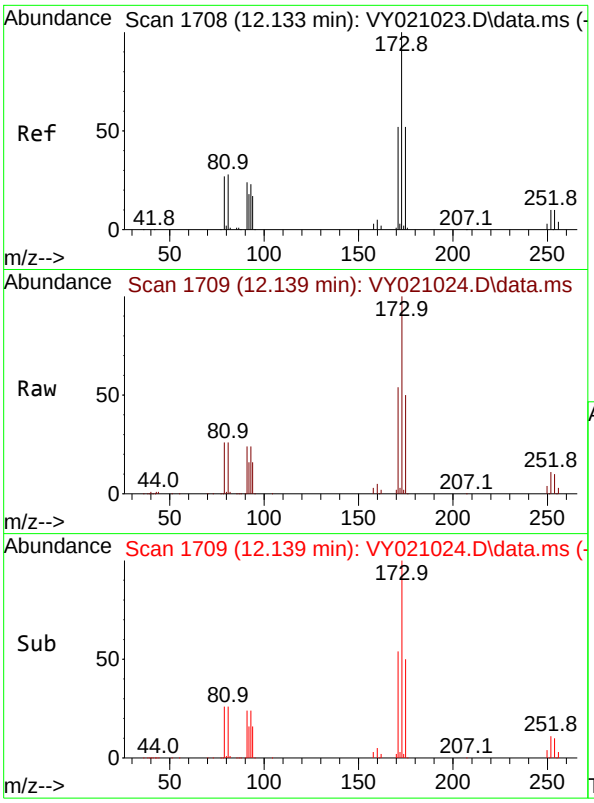


#70
Styrene
Concen: 104.245 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:104 Resp: 559633

Ion	Ratio	Lower	Upper
104	100		
78	50.9	39.0	58.4
103	54.6	43.7	65.5

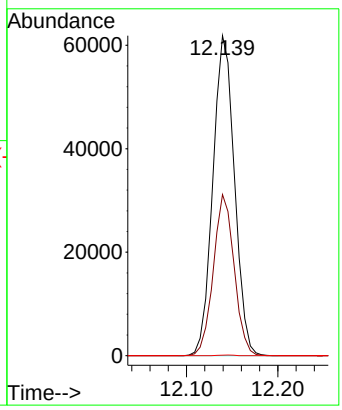




#71
Bromoform
Concen: 92.910 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:173 Resp: 10161

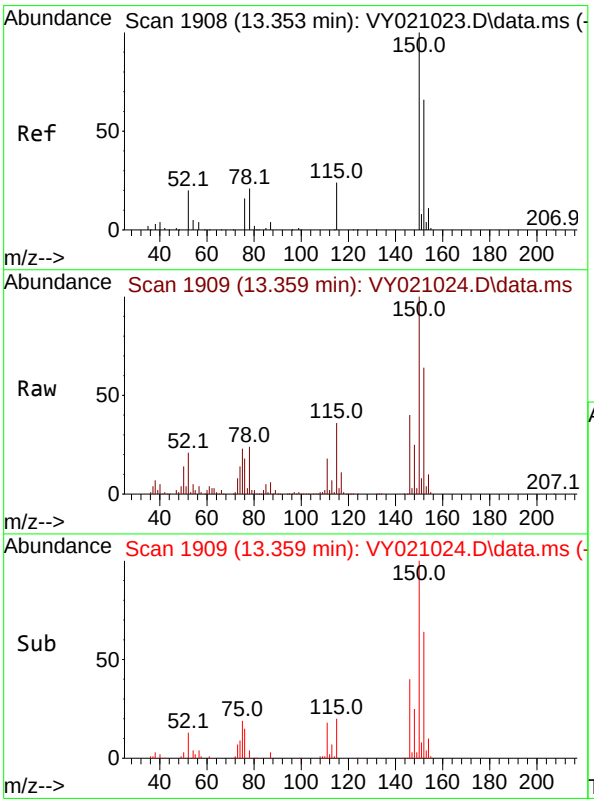
Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.2
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

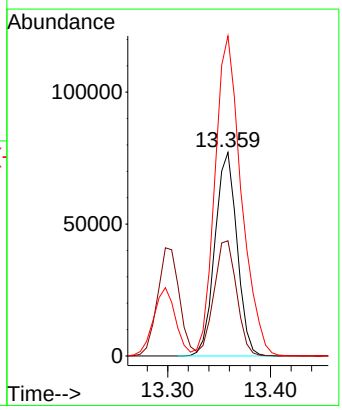
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

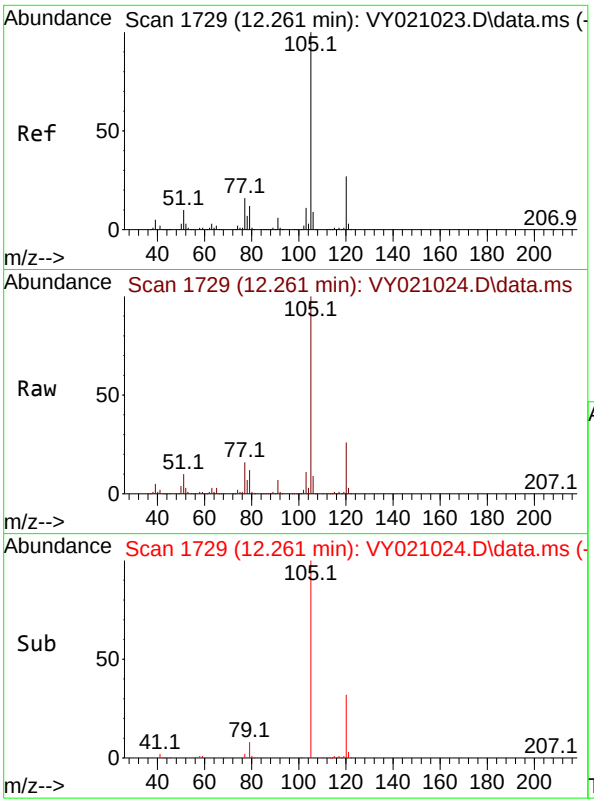


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:152 Resp: 115163

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.4	85.2
150	188.0	0.0	342.8

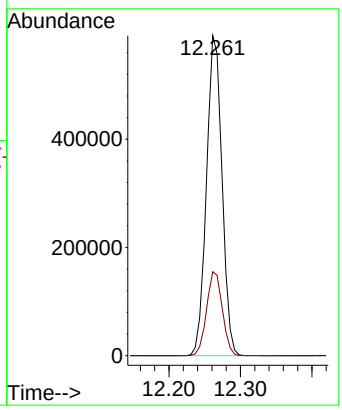




#73
Isopropylbenzene
Concen: 110.247 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 89169

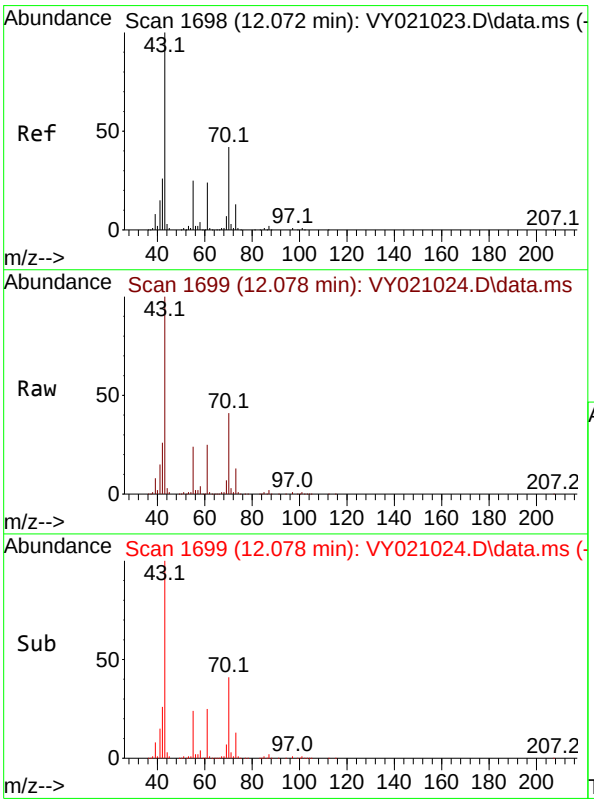
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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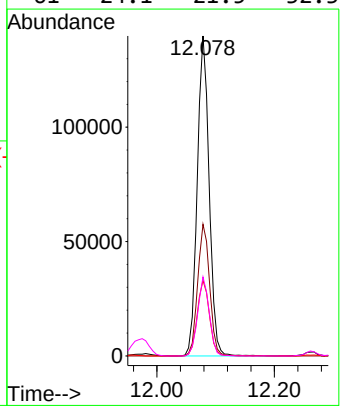
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

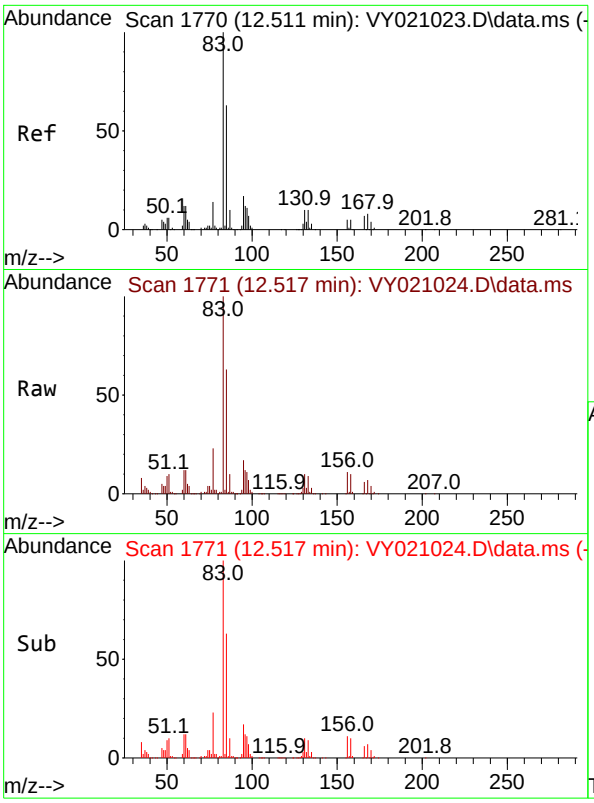


#74
N-amyl acetate
Concen: 133.629 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 196809

Ion	Ratio	Lower	Upper
43	100		
70	41.4	39.3	58.9
55	24.2	22.3	33.5
61	24.1	21.5	32.3

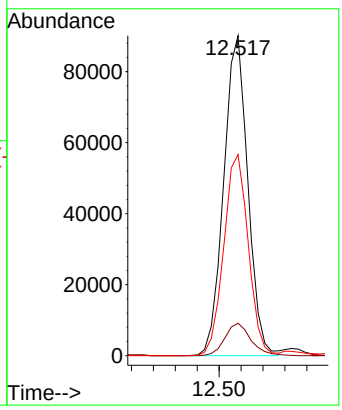




#75
1,1,2,2-Tetrachloroethane
Concen: 105.393 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 83 Resp: 13759

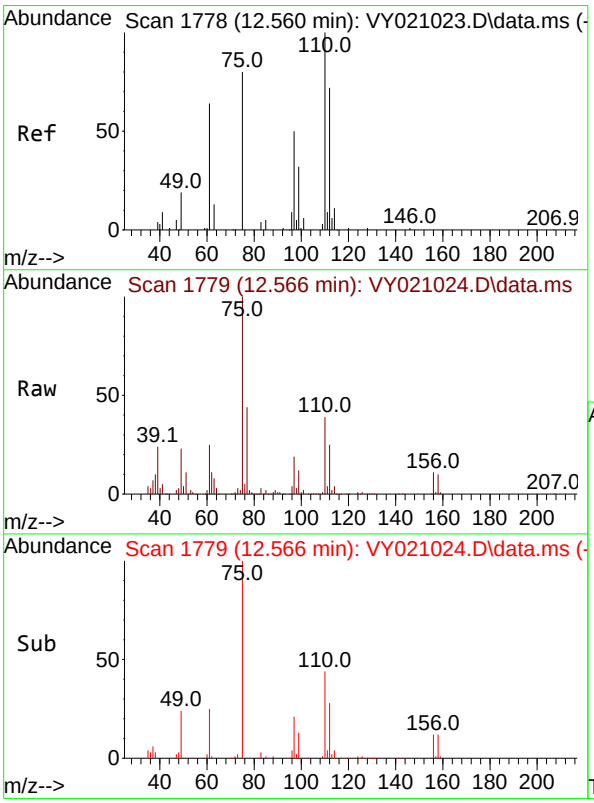
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.7	17.1
85	64.0	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

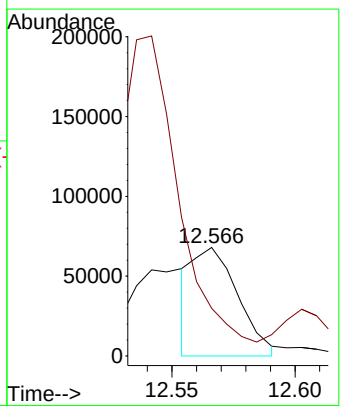
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

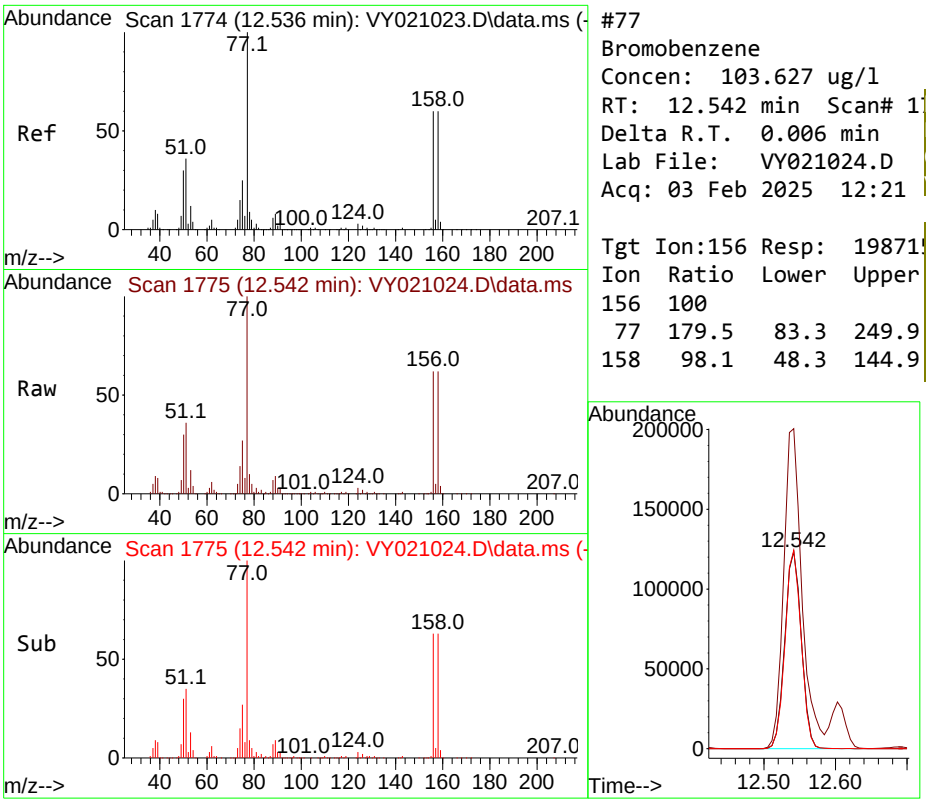


#76
1,2,3-Trichloropropane
Concen: 95.537 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 87097

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 103.627 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

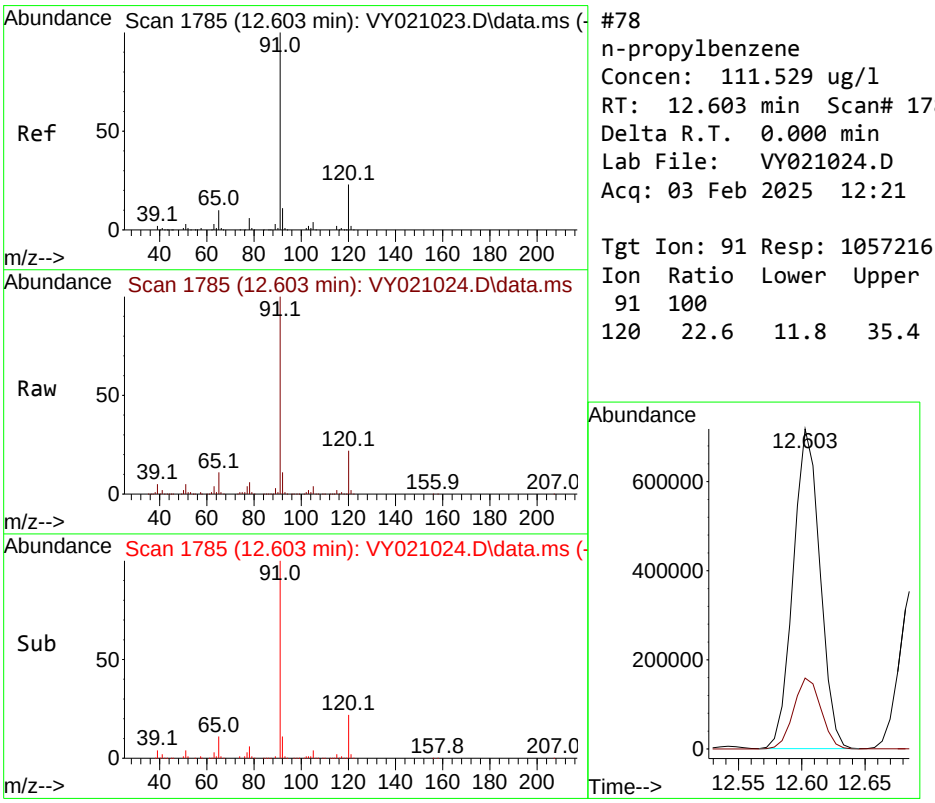
Tgt Ion:156 Resp: 19871

Ion	Ratio	Lower	Upper
156	100		
77	179.5	83.3	249.9
158	98.1	48.3	144.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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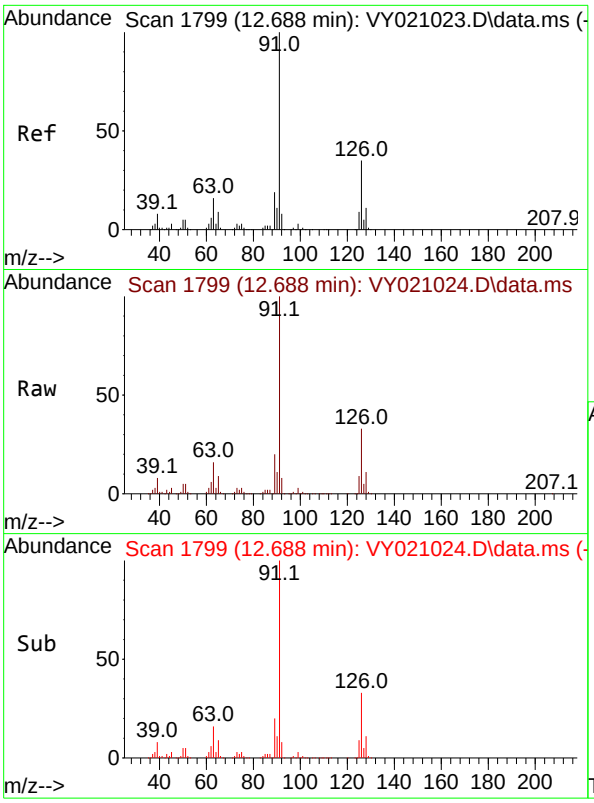
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#78
n-propylbenzene
Concen: 111.529 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 1057216

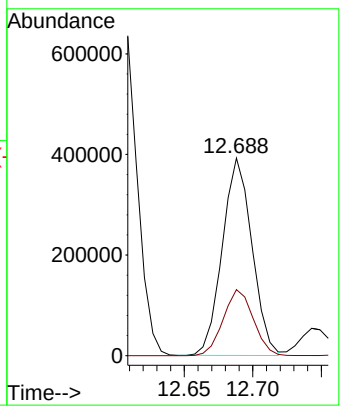
Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.8	35.4



#79
2-Chlorotoluene
Concen: 109.632 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 59209

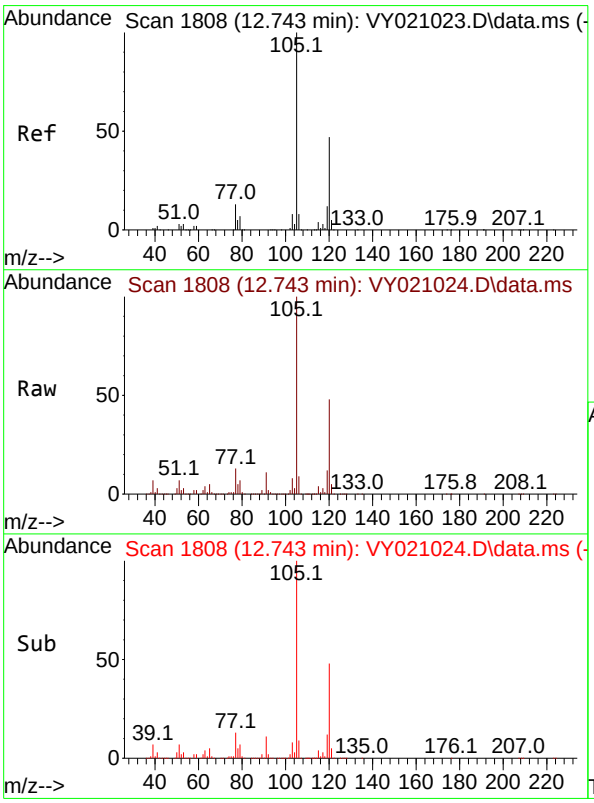
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.3	51.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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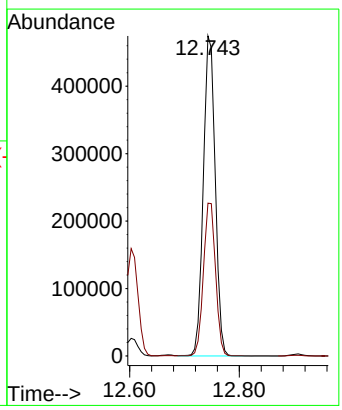
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

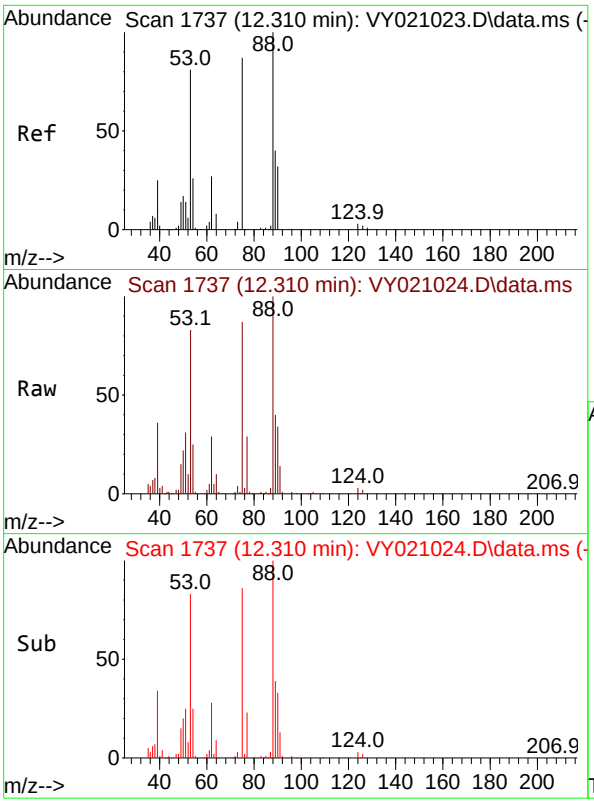


#80
1,3,5-Trimethylbenzene
Concen: 107.741 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 713935

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 108.944 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

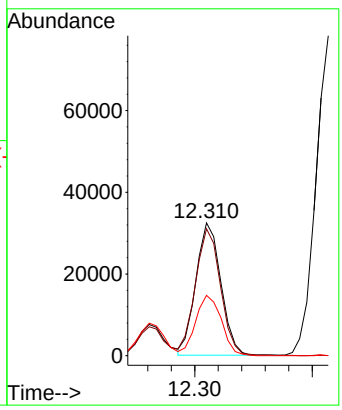
Tgt Ion: 75 Resp: 4784

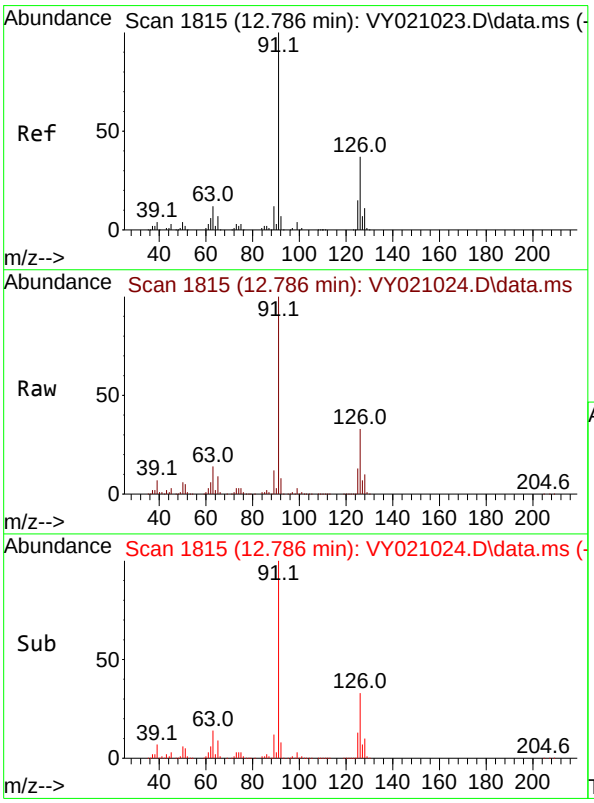
Ion	Ratio	Lower	Upper
75	100		
53	97.1	68.6	103.0
89	47.0	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

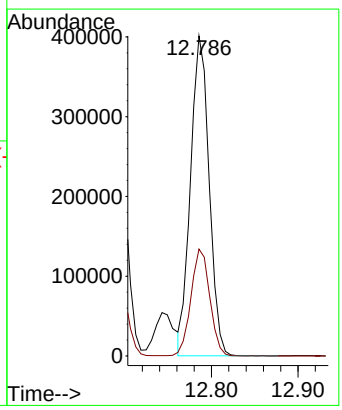


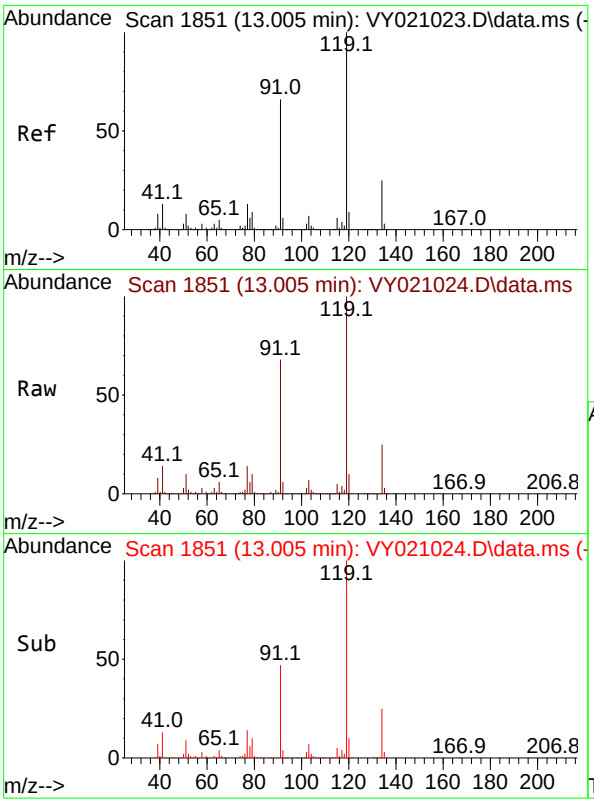


#82
4-Chlorotoluene
Concen: 108.014 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 597047

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	52.0

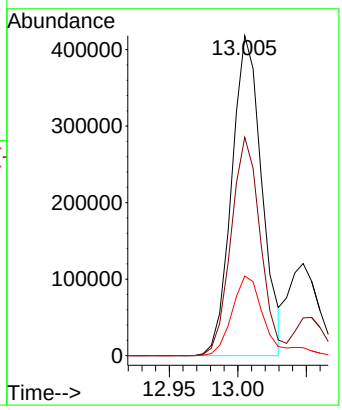




#83
tert-Butylbenzene
Concen: 103.933 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:119 Resp: 63874

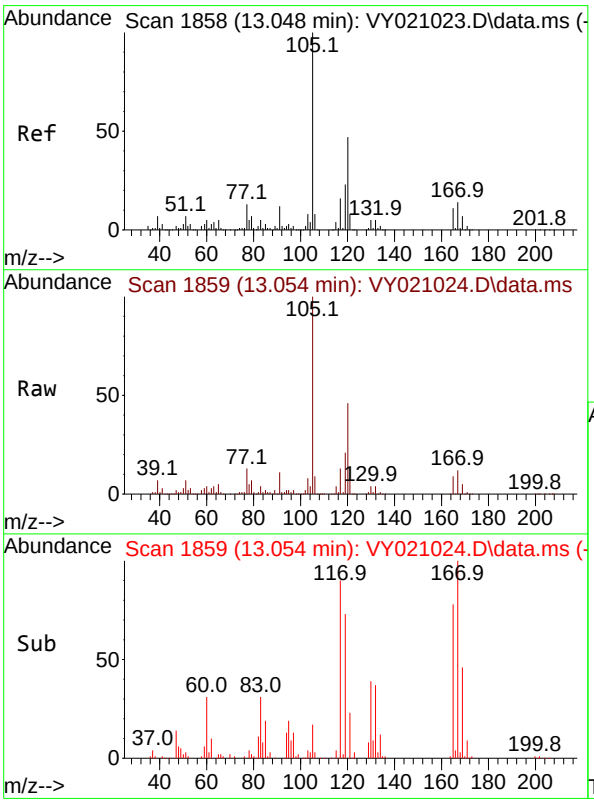
Ion	Ratio	Lower	Upper
119	100		
91	66.9	31.4	94.0
134	27.2	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

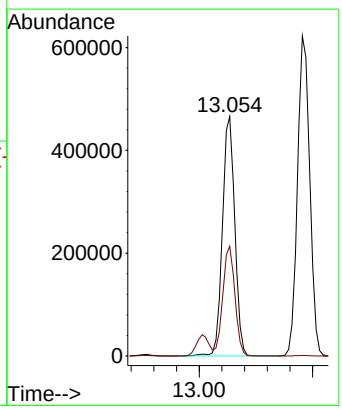
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

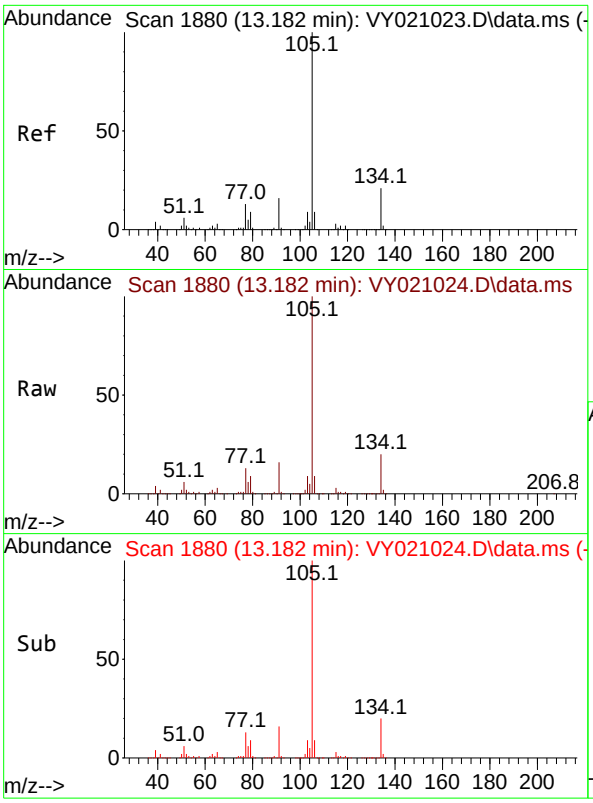


#84
1,2,4-Trimethylbenzene
Concen: 108.409 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 701716

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.7	68.0

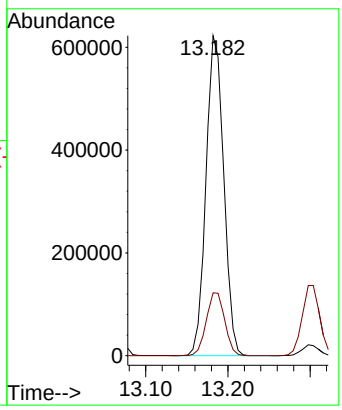




#85
sec-Butylbenzene
Concen: 107.093 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 93179

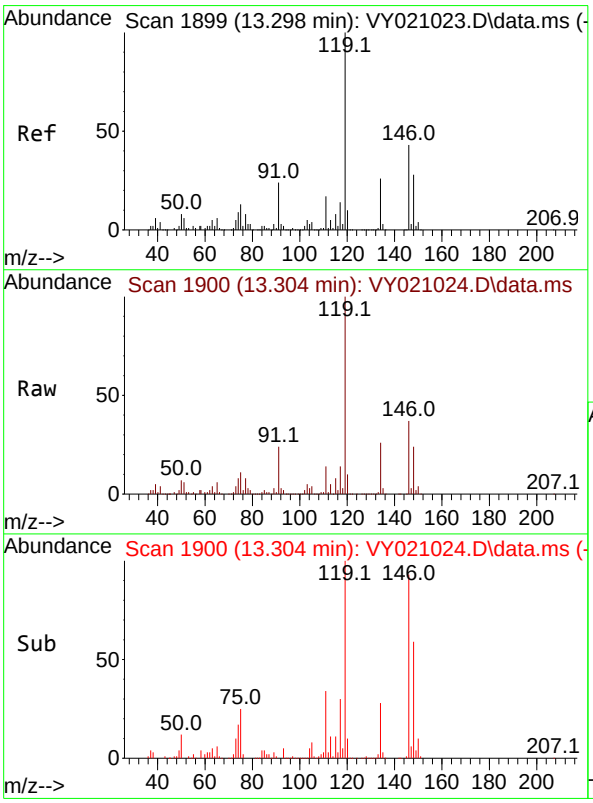
Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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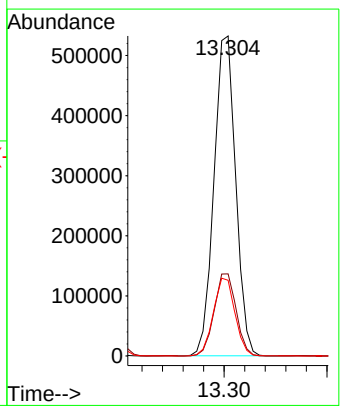
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

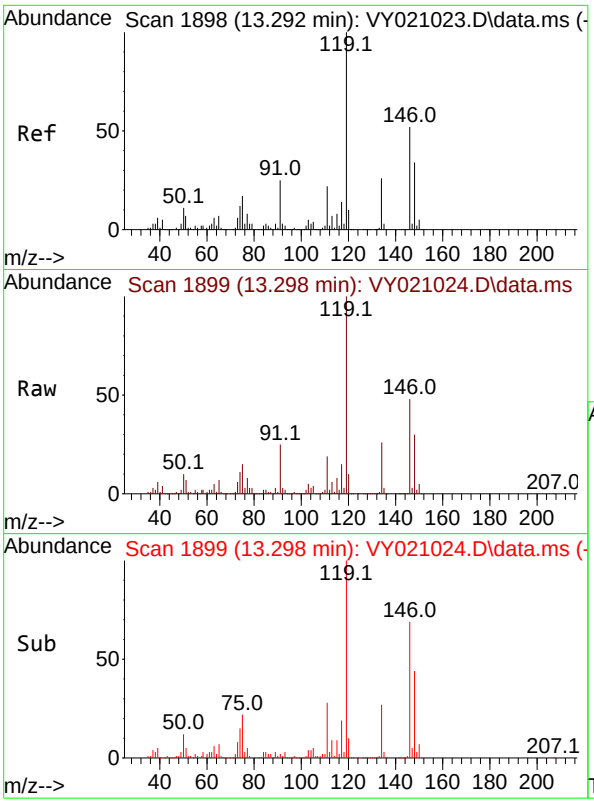


#86
p-Isopropyltoluene
Concen: 106.512 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:119 Resp: 778814

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	24.2	11.5	34.5

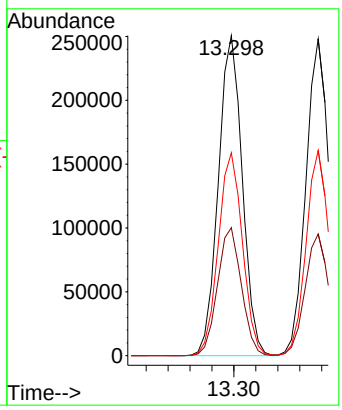




#87
1,3-Dichlorobenzene
Concen: 101.760 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:146 Resp: 38048

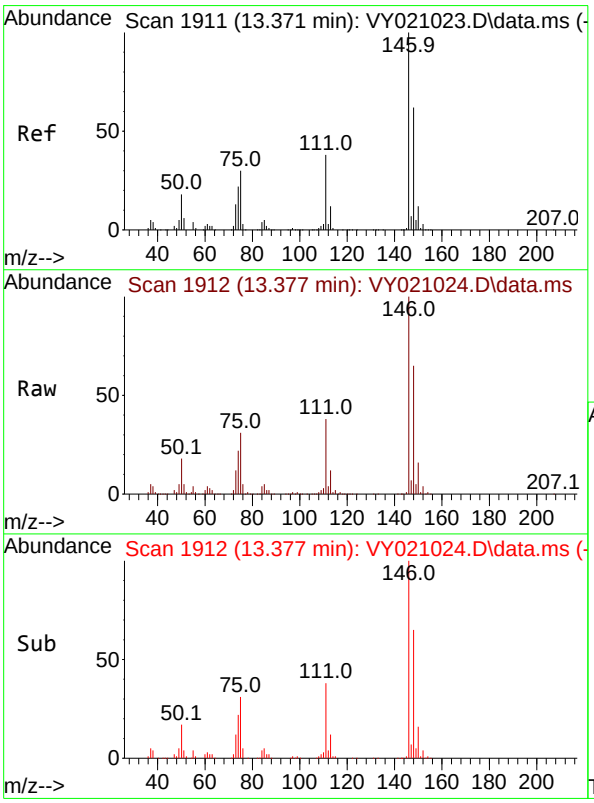
Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.1
148	64.0	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

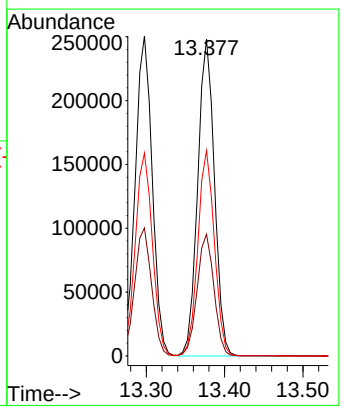
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

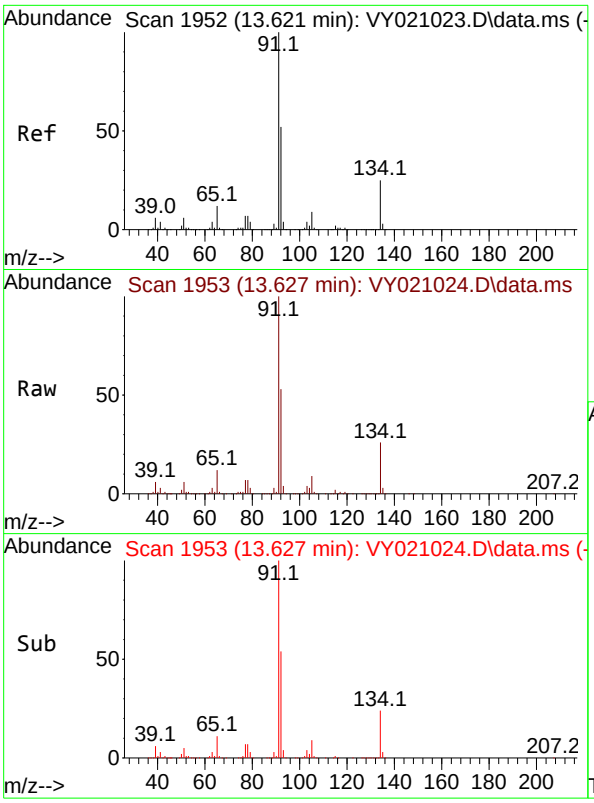


#88
1,4-Dichlorobenzene
Concen: 99.212 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:146 Resp: 368361

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.0	57.0
148	64.0	31.6	95.0

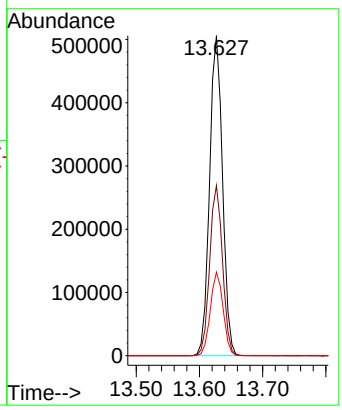




#89
n-Butylbenzene
Concen: 109.974 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 72025

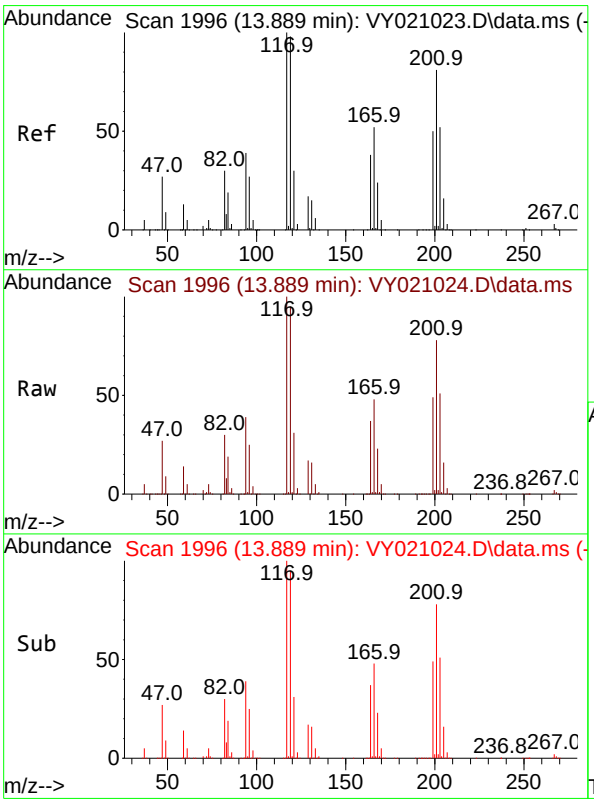
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.7	80.1
134	25.9	13.7	41.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

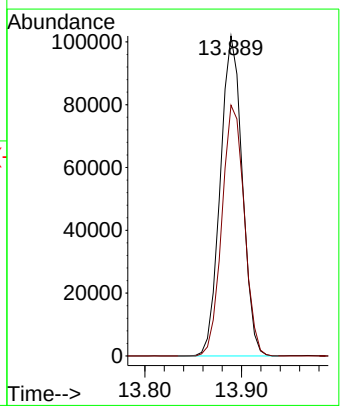
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

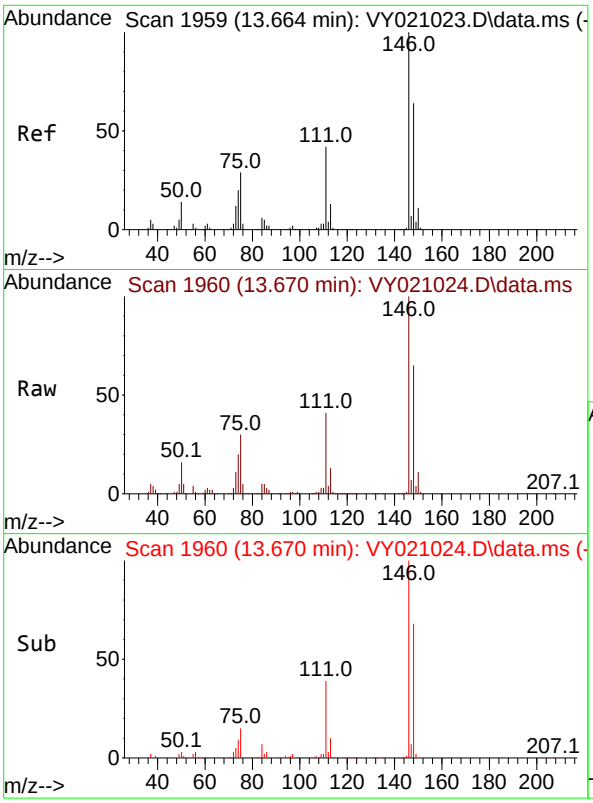


#90
Hexachloroethane
Concen: 108.782 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:117 Resp: 160918

Ion	Ratio	Lower	Upper
117	100		
201	79.4	42.5	127.5

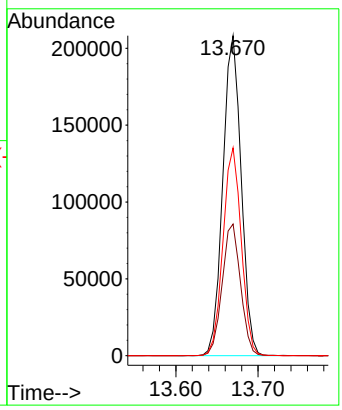




#91
1,2-Dichlorobenzene
Concen: 99.218 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:146 Resp: 32350

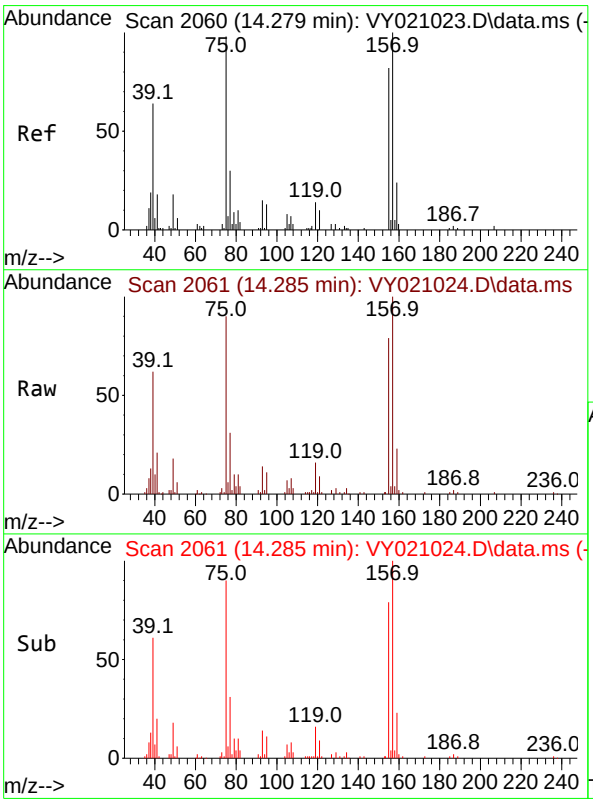
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	60.8
148	64.6	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

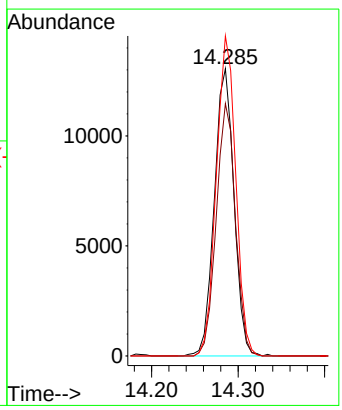
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

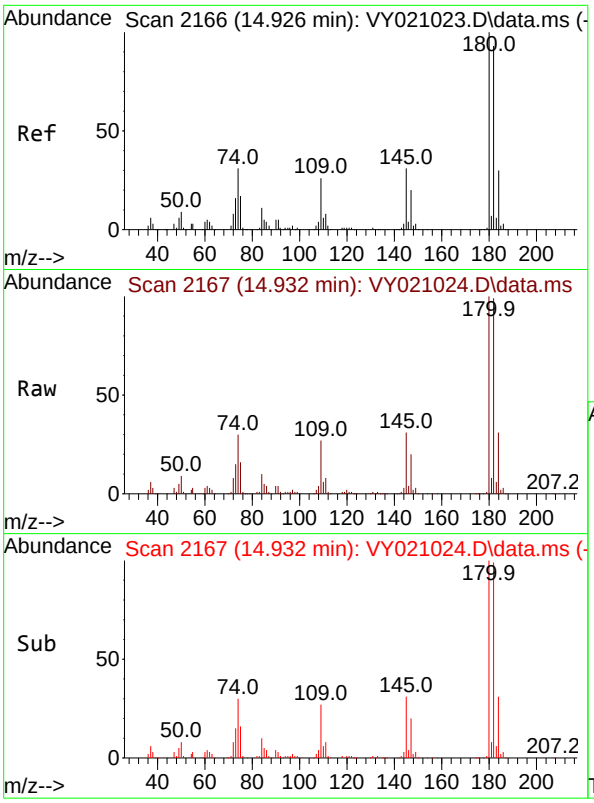


#92
1,2-Dibromo-3-Chloropropane
Concen: 102.253 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 20553

Ion	Ratio	Lower	Upper
75	100		
155	86.0	45.9	137.6
157	110.2	59.3	177.9

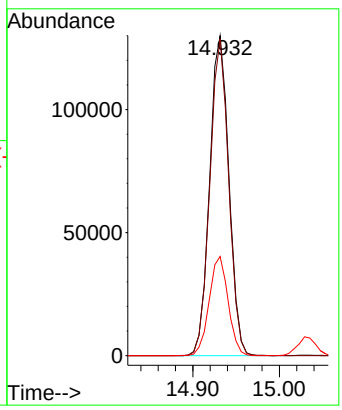




#93
1,2,4-Trichlorobenzene
Concen: 100.693 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:180 Resp: 20102

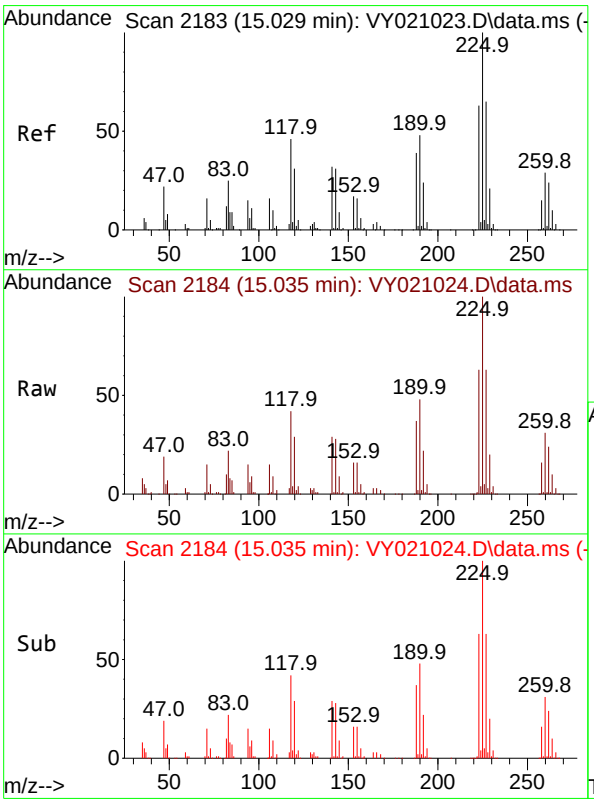
Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.3	144.8
145	30.6	15.3	45.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

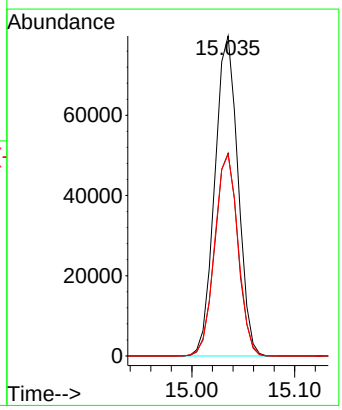
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

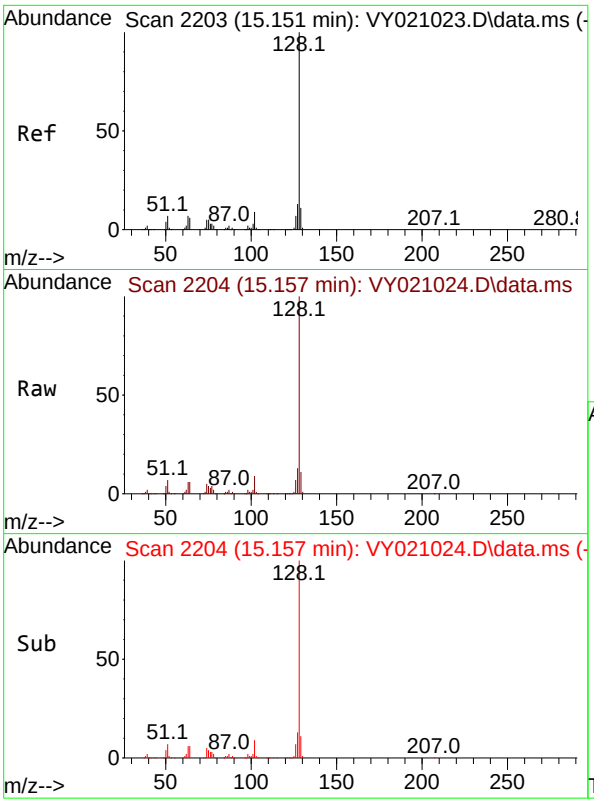


#94
Hexachlorobutadiene
Concen: 90.315 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:225 Resp: 124879

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	63.5	31.8	95.3

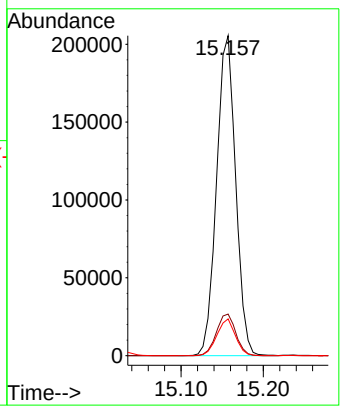




#95
Naphthalene
Concen: 103.361 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:128 Resp: 33164

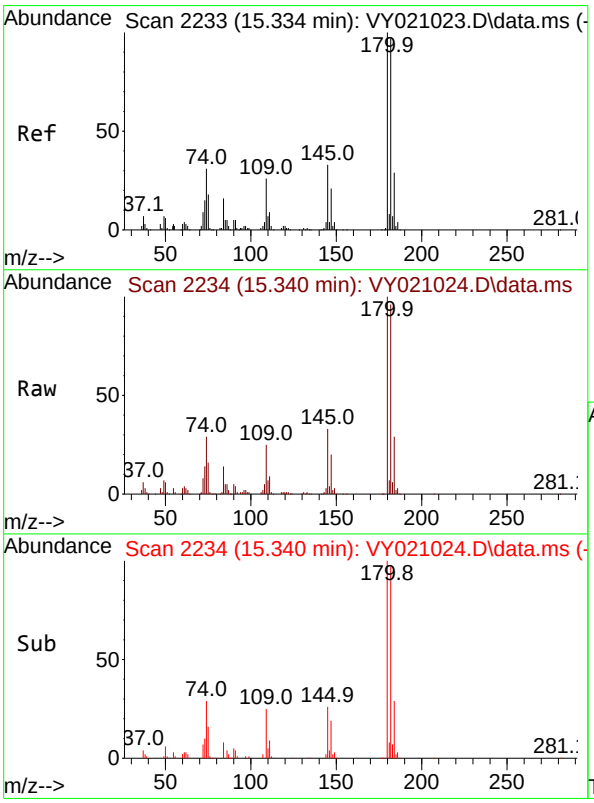
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.1	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

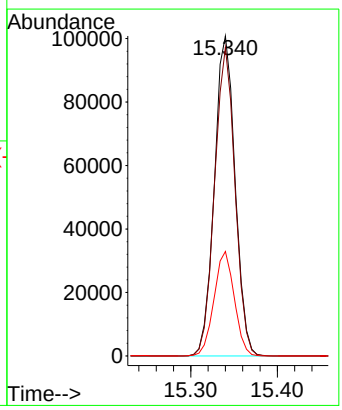
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 99.024 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:180 Resp: 167187

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.7	143.1
145	32.0	15.6	46.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
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 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 13:05:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:05:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	189855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	287697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	248527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	112575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	293662	145.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 290.680%#			
35) Dibromofluoromethane	7.640	113	287798	155.917	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 311.840%#			
50) Toluene-d8	10.109	98	1111573	156.140	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 312.280%#			
62) 4-Bromofluorobenzene	12.408	95	360358	162.912	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 325.820%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	260067	160.872	ug/l	97
3) Chloromethane	2.074	50	248885	87.825	ug/l	98
4) Vinyl Chloride	2.208	62	252501	75.880	ug/l	99
5) Bromomethane	2.592	94	146541	62.028	ug/l	99
6) Chloroethane	2.739	64	148751	70.352	ug/l	97
7) Trichlorofluoromethane	3.062	101	462994	129.223	ug/l	99
8) Diethyl Ether	3.458	74	147927	142.521	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	290713	133.999	ug/l	95
10) Methyl Iodide	4.013	142	352076	163.787	ug/l	94
11) Tert butyl alcohol	4.872	59	91037	651.581	ug/l	97
12) 1,1-Dichloroethene	3.799	96	283433	141.825	ug/l	94
13) Acrolein	3.659	56	152214	707.118	ug/l	98
14) Allyl chloride	4.391	41	481954	159.438	ug/l	96
15) Acrylonitrile	5.061	53	309767	696.889	ug/l	99
16) Acetone	3.873	43	237711	483.636	ug/l	96
17) Carbon Disulfide	4.116	76	886308	139.070	ug/l	100
18) Methyl Acetate	4.391	43	166019	134.682	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	720513	159.427	ug/l	99
20) Methylene Chloride	4.622	84	281630	109.728	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	306161	134.636	ug/l	94
22) Diisopropyl ether	6.025	45	955213	148.878	ug/l	97
23) Vinyl Acetate	5.970	43	2761423	786.547	ug/l	99
24) 1,1-Dichloroethane	5.921	63	563116	141.610	ug/l	98
25) 2-Butanone	6.902	43	395886	620.601	ug/l	99
26) 2,2-Dichloropropane	6.890	77	527500	153.065	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	356495	144.373	ug/l	94
28) Bromochloromethane	7.256	49	224174	131.225	ug/l	98
29) Tetrahydrofuran	7.268	42	263943	736.644	ug/l	96
30) Chloroform	7.427	83	572890	143.739	ug/l	98
31) Cyclohexane	7.707	56	485167	128.899	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	540513	151.377	ug/l	99
36) 1,1-Dichloropropene	7.841	75	423720	143.160	ug/l	99
37) Ethyl Acetate	6.988	43	186661	153.217	ug/l	99
38) Carbon Tetrachloride	7.823	117	501205	170.502	ug/l	99
39) Methylcyclohexane	9.115	83	542900	152.474	ug/l	98
40) Benzene	8.085	78	1239229	148.429	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 03 13:05:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:05:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	115234	185.120	ug/l		95
42) 1,2-Dichloroethane	8.164	62	340547	158.367	ug/l		97
43) Isopropyl Acetate	8.201	43	388966	175.917	ug/l	#	86
44) Trichloroethene	8.872	130	323716	150.703	ug/l		96
45) 1,2-Dichloropropane	9.146	63	294150	147.060	ug/l		100
46) Dibromomethane	9.237	93	161341	154.118	ug/l		95
47) Bromodichloromethane	9.426	83	437119	160.591	ug/l		98
48) Methyl methacrylate	9.225	41	187040	167.251	ug/l		94
49) 1,4-Dioxane	9.231	88	32704	3078.544	ug/l		94
51) 4-Methyl-2-Pentanone	10.006	43	965506	814.397	ug/l		98
52) Toluene	10.176	92	792134	155.591	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	416872	166.270	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	483429	158.232	ug/l		92
55) 1,1,2-Trichloroethane	10.579	97	209006	146.925	ug/l		99
56) Ethyl methacrylate	10.444	69	313458	200.500	ug/l		93
57) 1,3-Dichloropropane	10.725	76	365553	149.005	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	721923	788.766	ug/l		100
59) 2-Hexanone	10.762	43	642448	763.675	ug/l		98
60) Dibromochloromethane	10.914	129	298751	175.351	ug/l		98
61) 1,2-Dibromoethane	11.018	107	200840	153.273	ug/l		99
64) Tetrachloroethene	10.652	164	288752	156.856	ug/l		96
65) Chlorobenzene	11.444	112	854481	161.190	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.524	131	303176	159.942	ug/l		97
67) Ethyl Benzene	11.524	91	1560654	161.195	ug/l		100
68) m/p-Xylenes	11.633	106	1152452	314.841	ug/l		97
69) o-Xylene	11.963	106	543425	163.662	ug/l		97
70) Styrene	11.975	104	900989	172.776	ug/l		97
71) Bromoform	12.139	173	170929	181.883	ug/l	#	97
73) Isopropylbenzene	12.261	105	1439642	154.780	ug/l		100
74) N-amyl acetate	12.072	43	337562	180.383	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.511	83	229575	139.062	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	166289m	149.965	ug/l		
77) Bromobenzene	12.536	156	330230	166.838	ug/l		92
78) n-propylbenzene	12.603	91	1706799	149.261	ug/l		99
79) 2-Chlorotoluene	12.688	91	961670	153.047	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	1146647	156.334	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	84506	165.703	ug/l		98
82) 4-Chlorotoluene	12.786	91	973177	151.120	ug/l		99
83) tert-Butylbenzene	13.005	119	1067144	164.670	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	1138490	157.248	ug/l		100
85) sec-Butylbenzene	13.182	105	1490237	152.184	ug/l		98
86) p-Isopropyltoluene	13.298	119	1267584	159.829	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	615944	153.896	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	600370	153.567	ug/l		99
89) n-Butylbenzene	13.621	91	1172760	153.276	ug/l		98
90) Hexachloroethane	13.883	117	264877	160.566	ug/l		86
91) 1,2-Dichlorobenzene	13.663	146	529143	159.648	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	36737	173.904	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	338957	199.568	ug/l		98
94) Hexachlorobutadiene	15.029	225	204211	192.252	ug/l		99
95) Naphthalene	15.151	128	581994	199.946	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	280907	197.311	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
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 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 13:05:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:05:07 2025
Response via : Initial Calibration

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

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

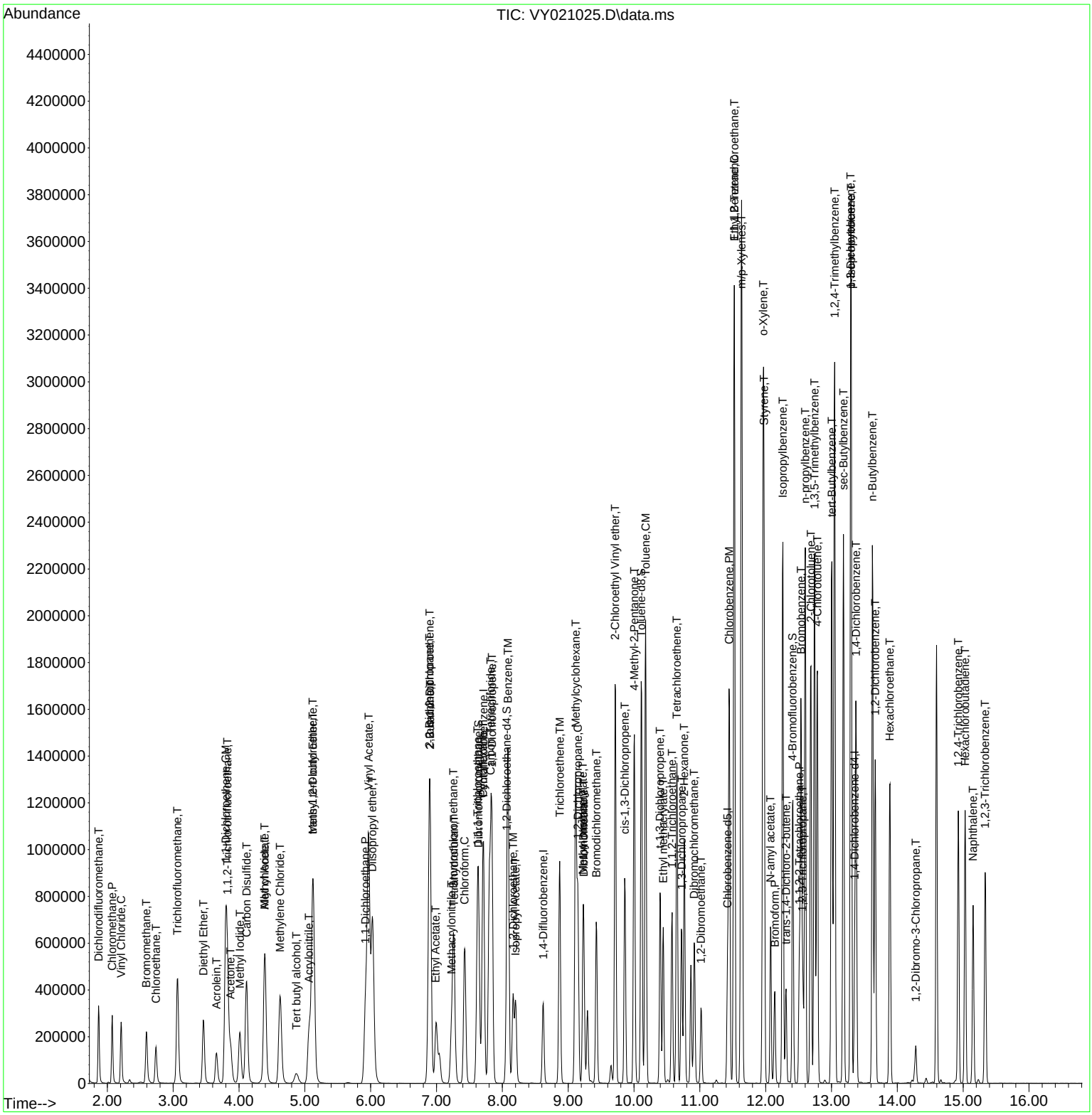
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Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

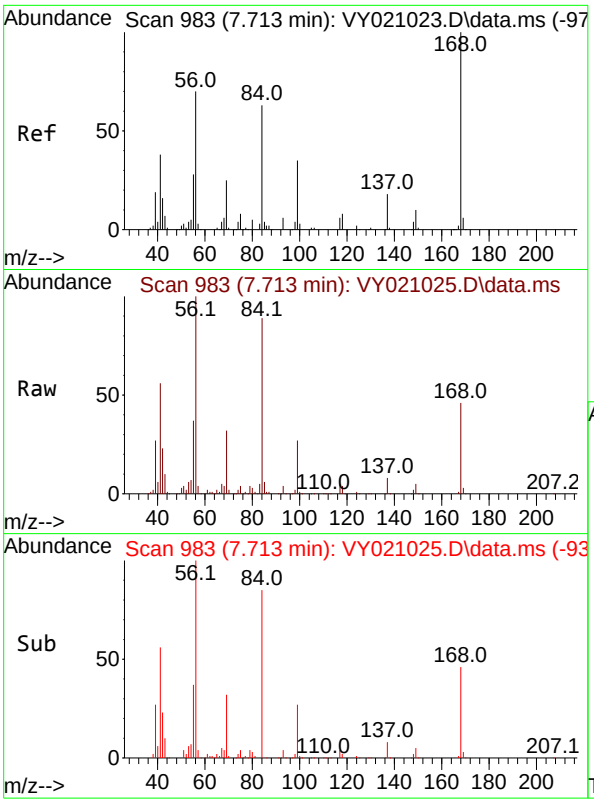
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QLast Update : Mon Feb 03 13:05:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

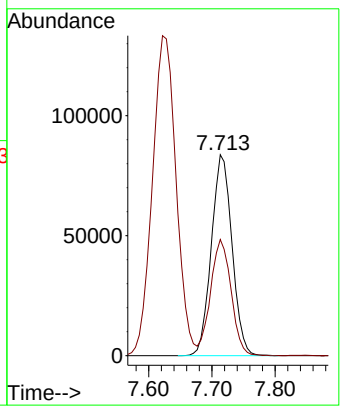




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:168 Resp: 18985

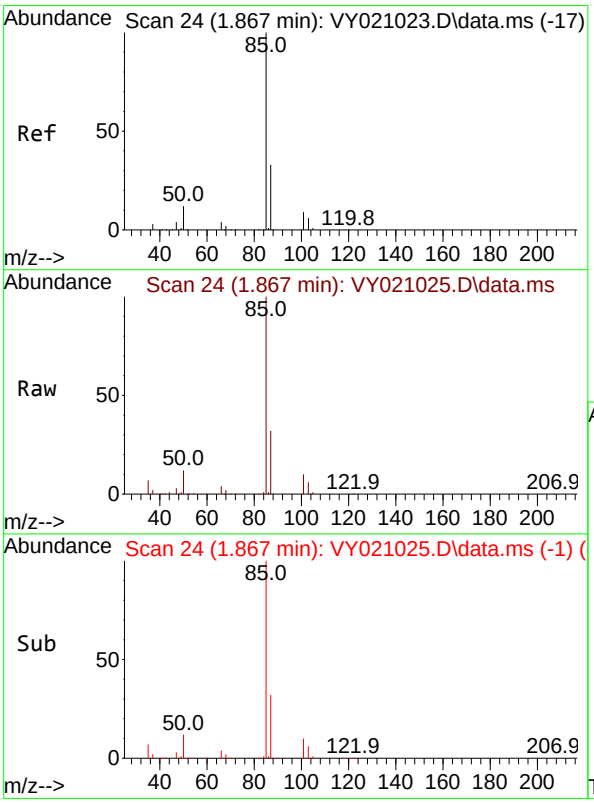
Ion	Ratio	Lower	Upper
168	100		
99	57.7	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

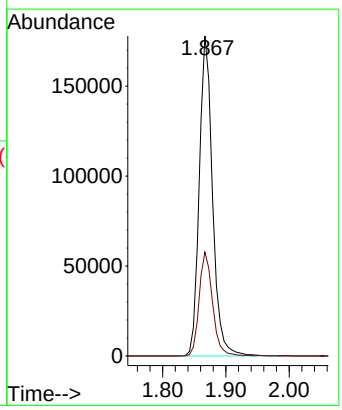
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

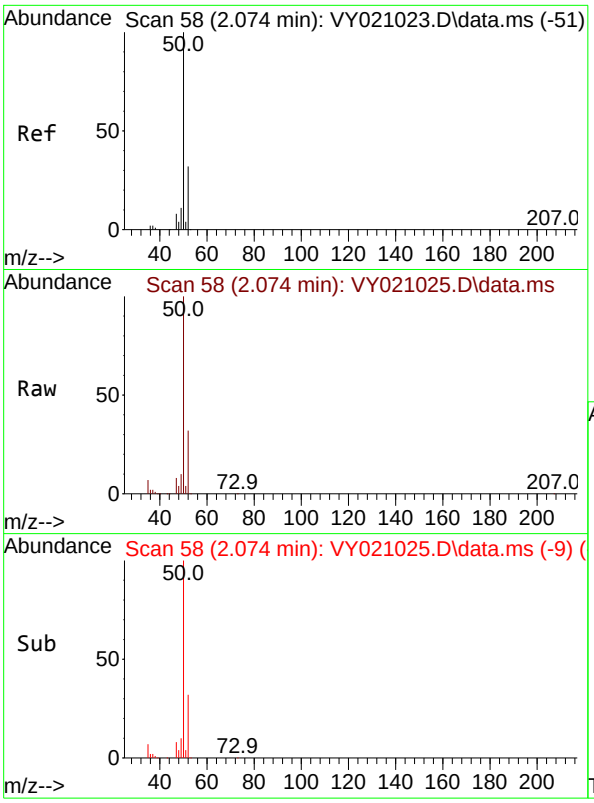


#2
Dichlorodifluoromethane
Concen: 160.872 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 85 Resp: 260067

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.1	51.3

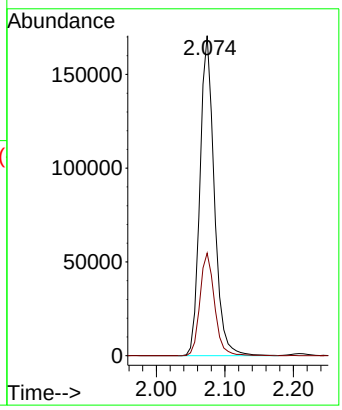




#3
Chloromethane
Concen: 87.825 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 50 Resp: 24888

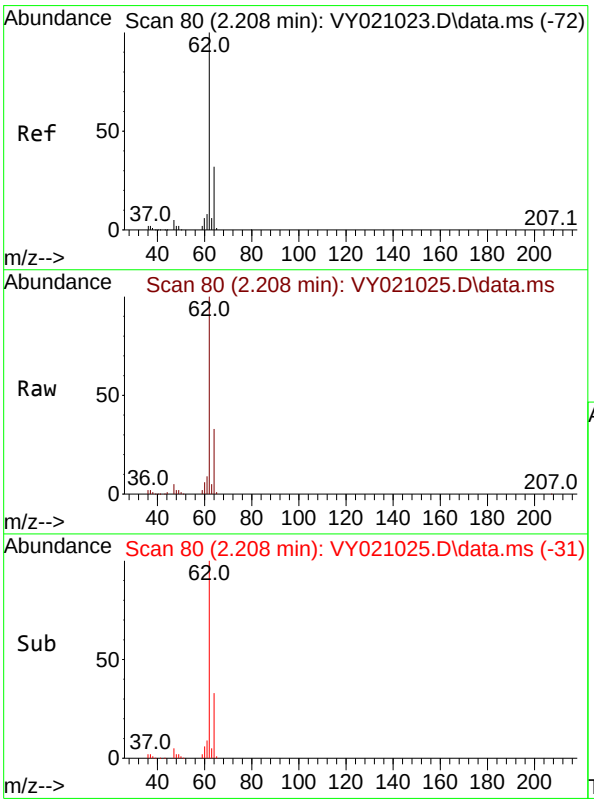
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

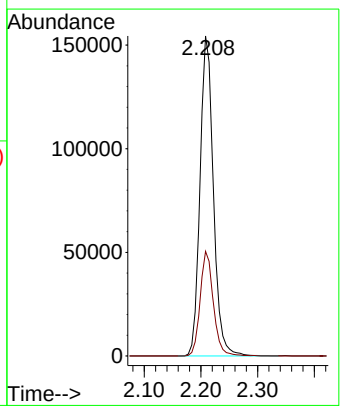
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

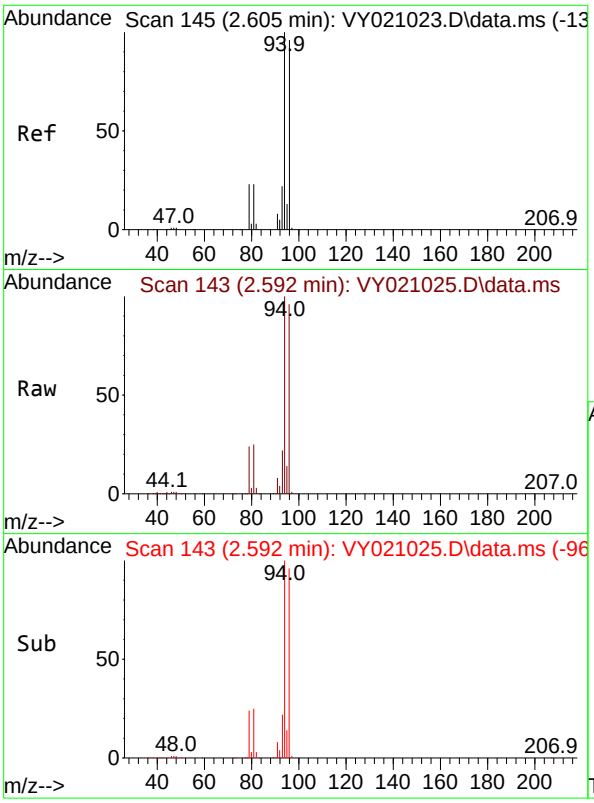


#4
Vinyl Chloride
Concen: 75.880 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 62 Resp: 252501

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.7	38.5





#5
Bromomethane
Concen: 62.028 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

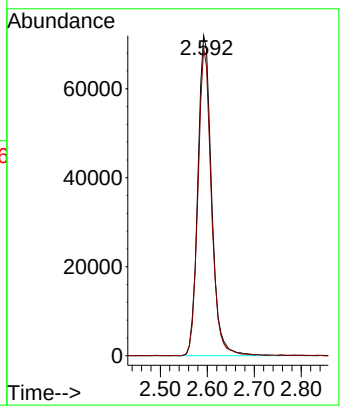
Tgt Ion: 94 Resp: 14654

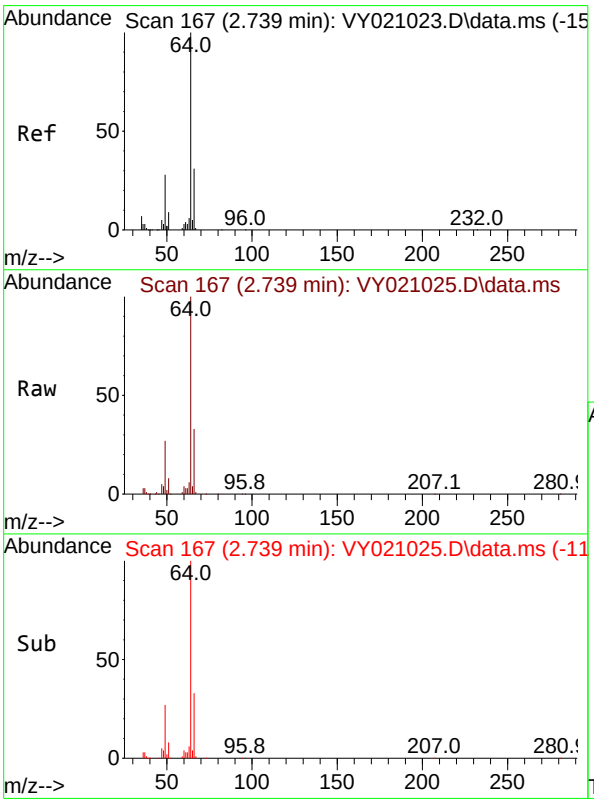
Ion	Ratio	Lower	Upper
94	100		
96	96.1	77.3	115.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

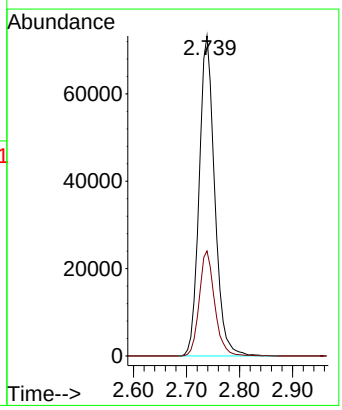


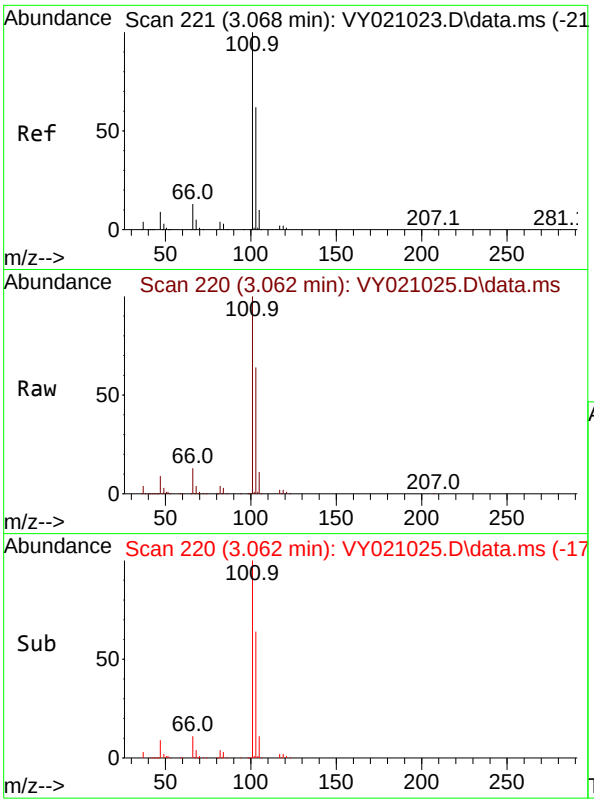


#6
Chloroethane
Concen: 70.352 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 64 Resp: 148751

Ion	Ratio	Lower	Upper
64	100		
66	32.8	25.1	37.7

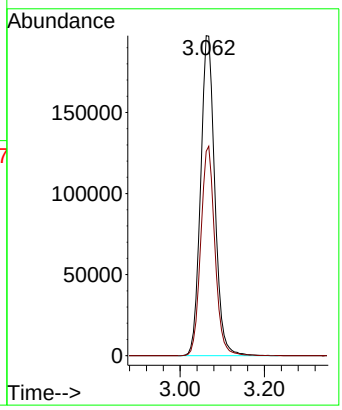




#7
Trichlorofluoromethane
Concen: 129.223 ug/l
RT: 3.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:101 Resp: 46299

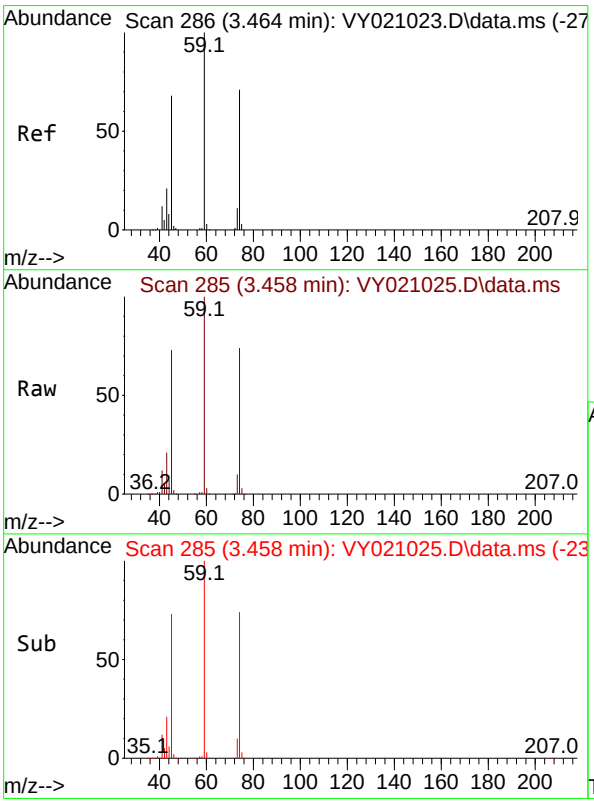
Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

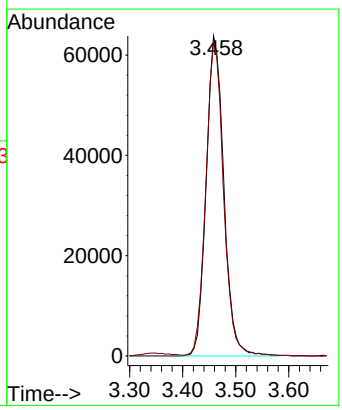
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

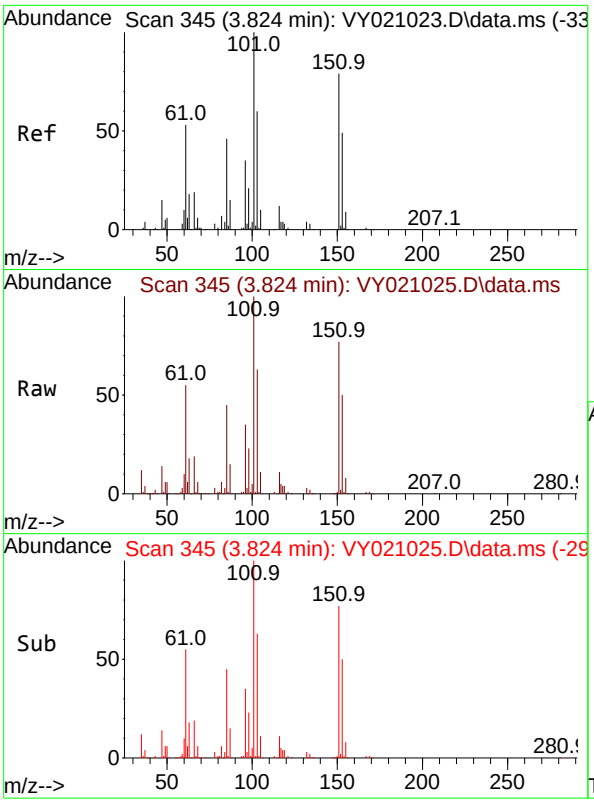


#8
Diethyl Ether
Concen: 142.521 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 74 Resp: 147927

Ion	Ratio	Lower	Upper
74	100		
45	98.2	47.9	143.7

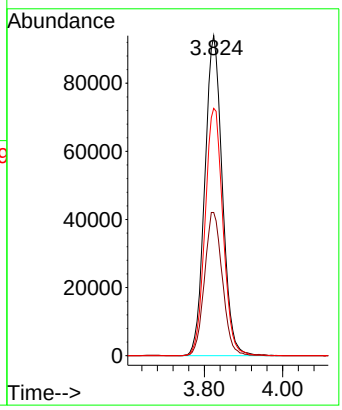




#9
1,1,2-Trichlorotrifluoroethane
Concen: 133.999 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:101 Resp: 29071

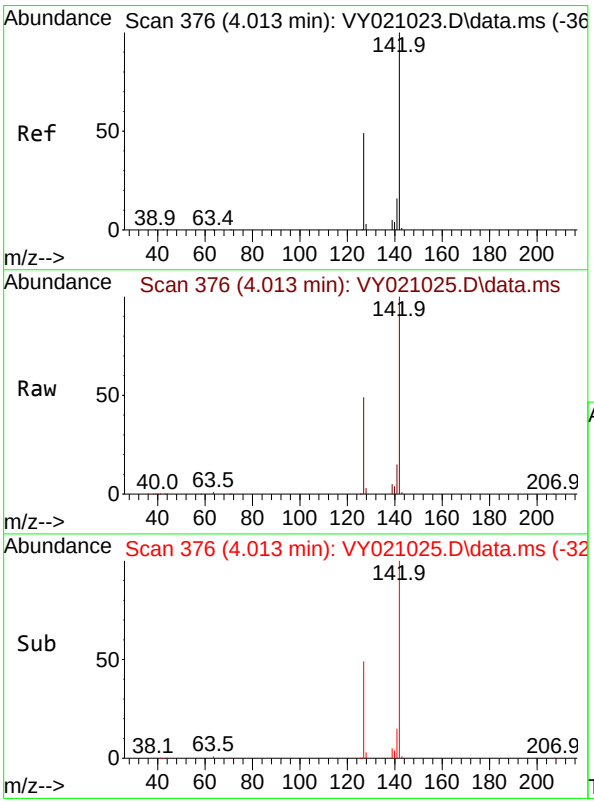
Ion	Ratio	Lower	Upper
101	100		
85	45.6	35.8	53.6
151	78.9	58.6	88.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

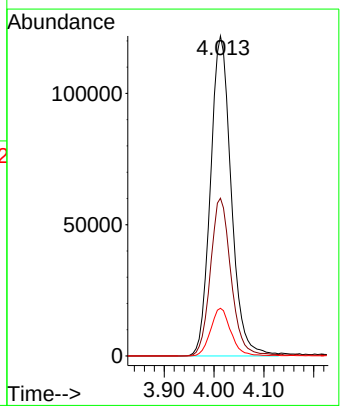
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

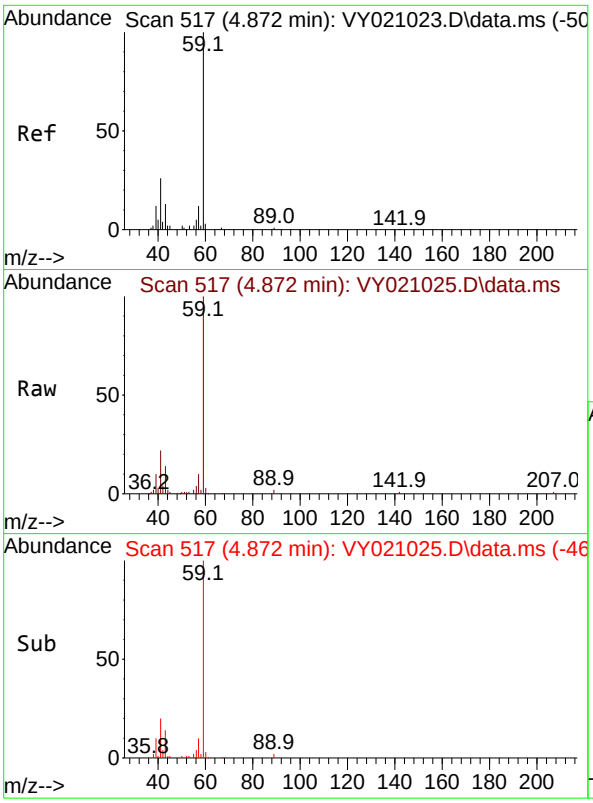


#10
Methyl Iodide
Concen: 163.787 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:142 Resp: 352076

Ion	Ratio	Lower	Upper
142	100		
127	49.2	35.1	52.7
141	14.5	11.8	17.6

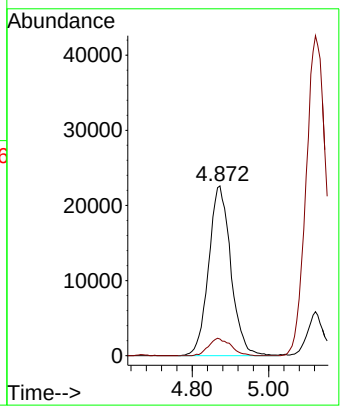




#11
Tert butyl alcohol
Concen: 651.581 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 59 Resp: 9103

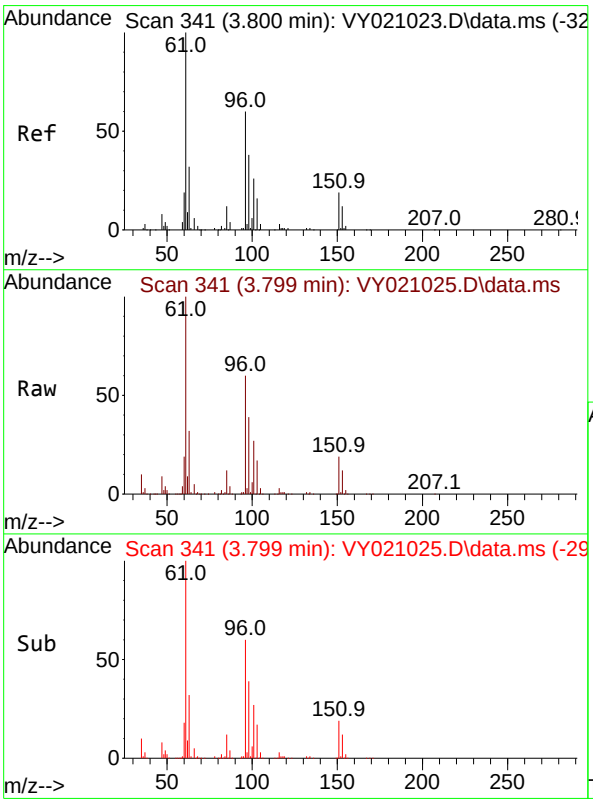
Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

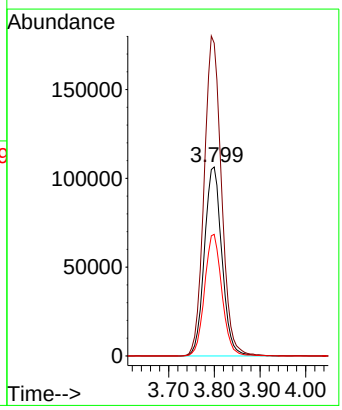
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

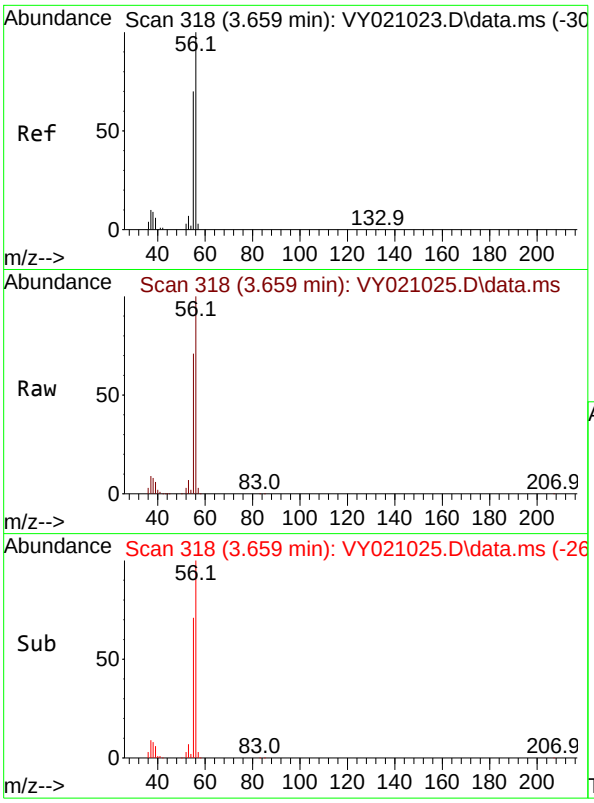


#12
1,1-Dichloroethene
Concen: 141.825 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 96 Resp: 283433

Ion	Ratio	Lower	Upper
96	100		
61	165.5	124.2	186.2
98	64.4	52.6	79.0

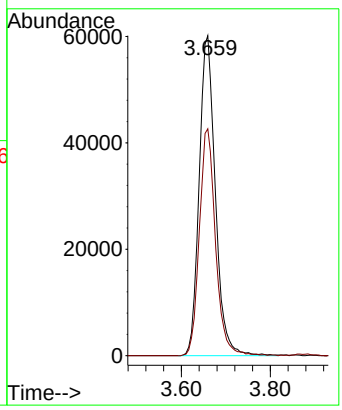




#13
Acrolein
Concen: 707.118 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 56 Resp: 15221

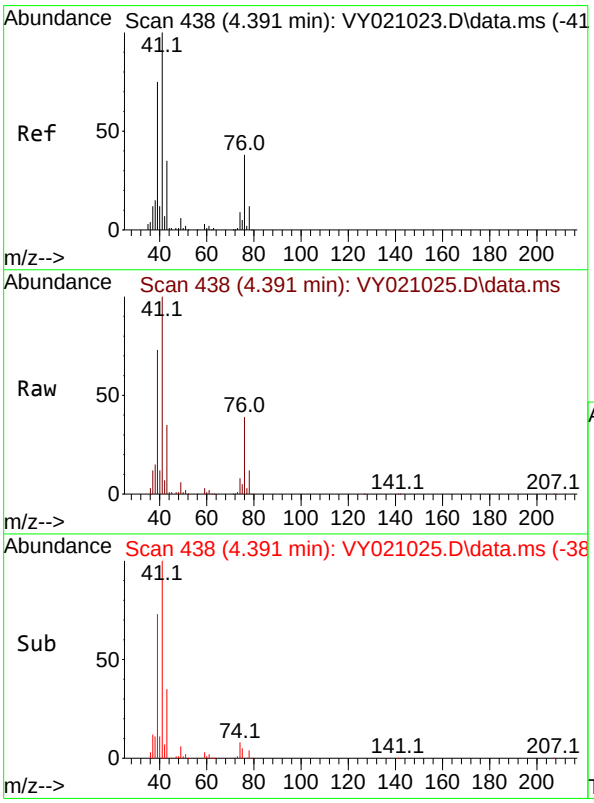
Ion	Ratio	Lower	Upper
56	100		
55	71.1	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

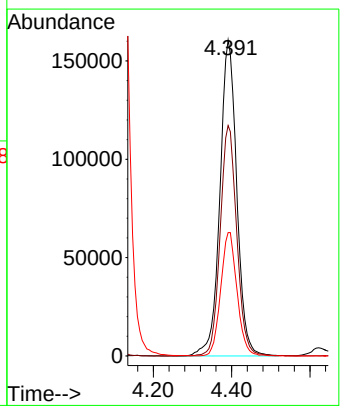
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

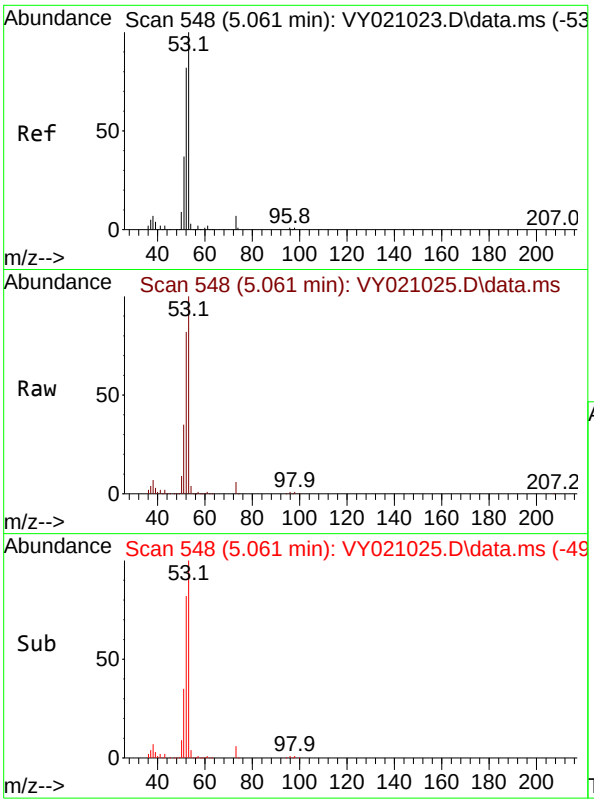


#14
Allyl chloride
Concen: 159.438 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 41 Resp: 481954

Ion	Ratio	Lower	Upper
41	100		
39	71.7	54.7	82.1
76	37.7	31.8	47.6





#15
Acrylonitrile
Concen: 696.889 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

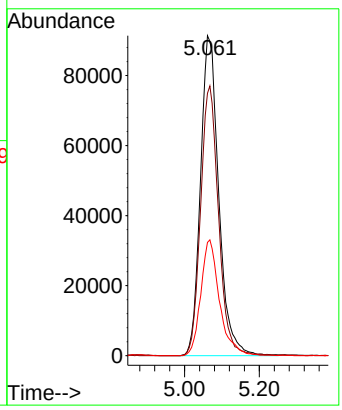
Tgt Ion: 53 Resp: 30976

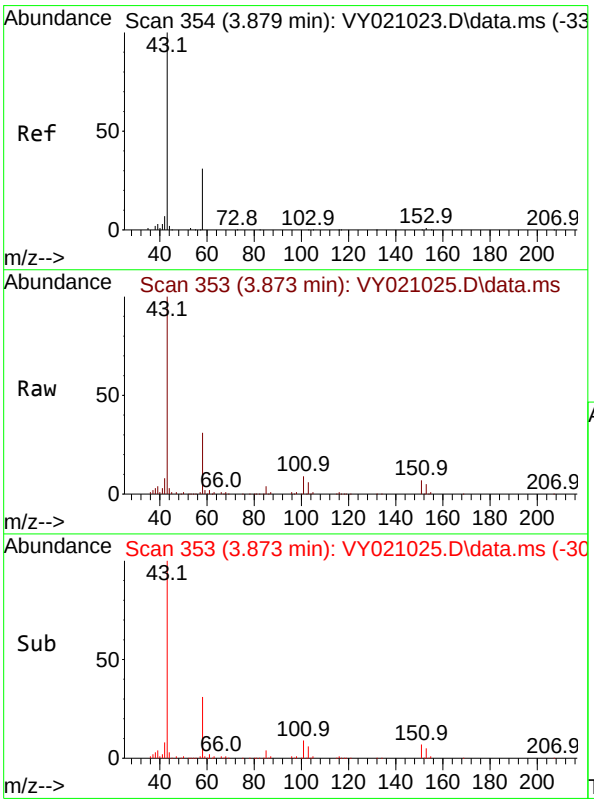
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.1	97.7
51	37.1	29.0	43.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

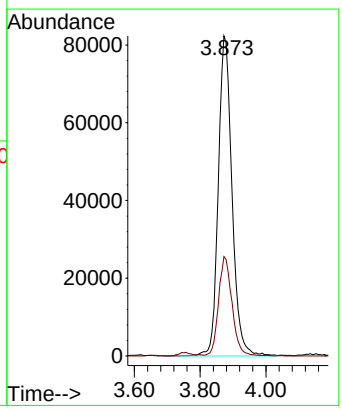


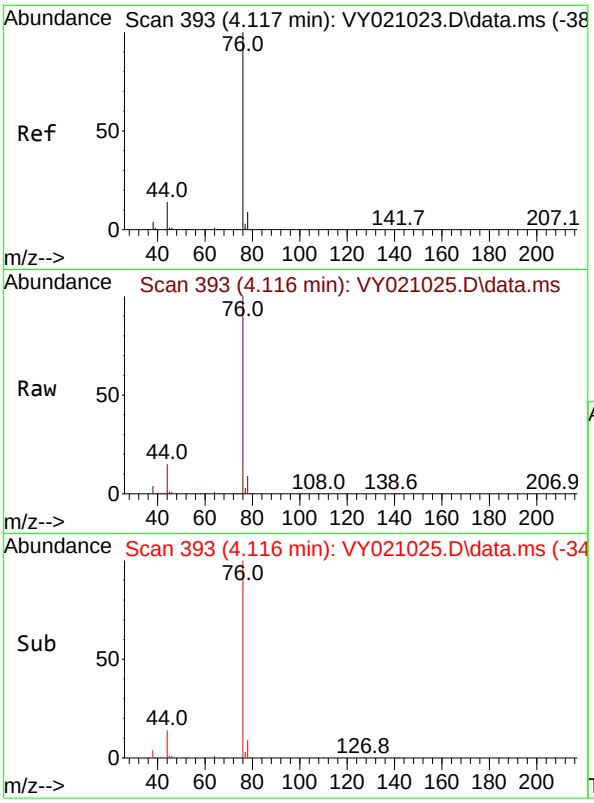


#16
Acetone
Concen: 483.636 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 237711

Ion	Ratio	Lower	Upper
43	100		
58	31.0	26.6	39.8





#17
Carbon Disulfide
Concen: 139.070 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

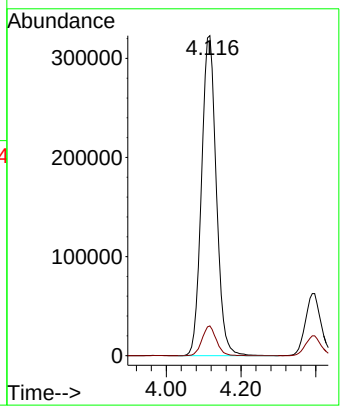
Tgt Ion: 76 Resp: 88630

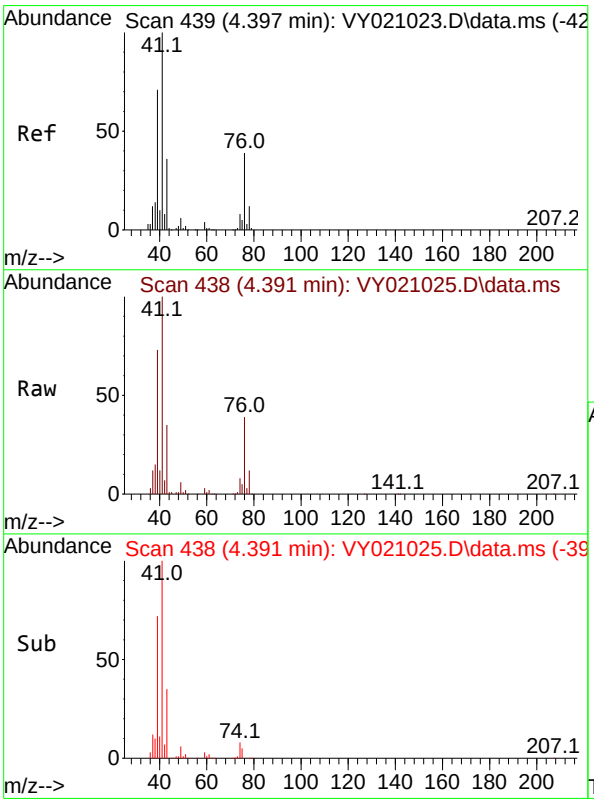
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

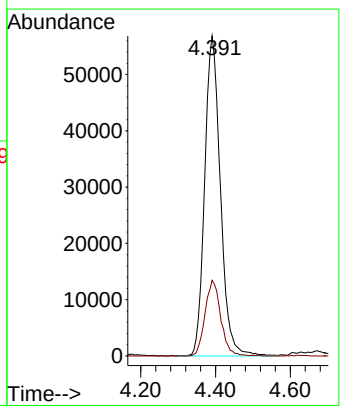


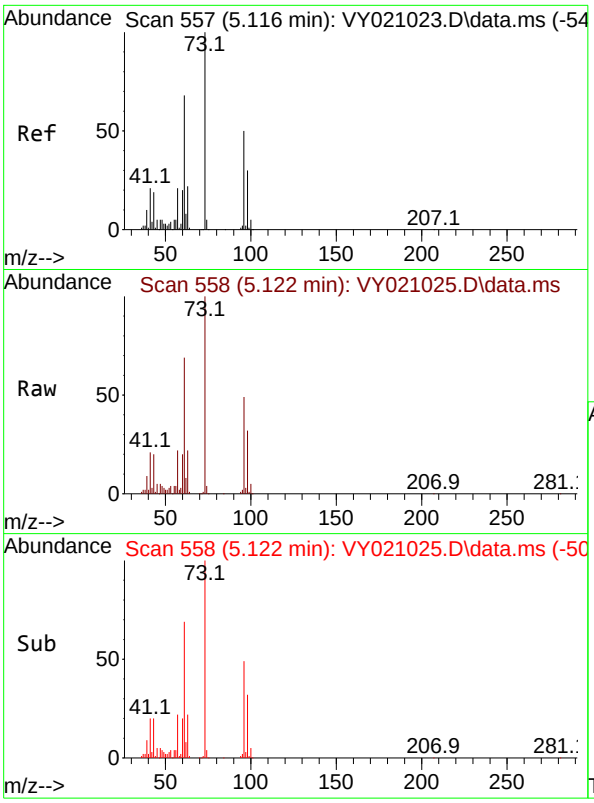


#18
Methyl Acetate
Concen: 134.682 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 166019

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.8	29.6

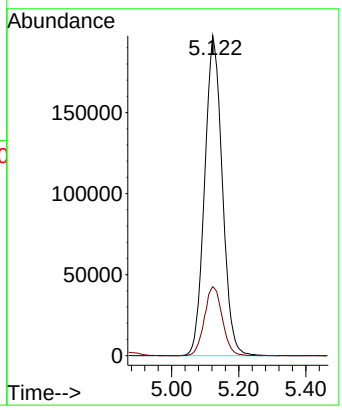




#19
Methyl tert-butyl Ether
Concen: 159.427 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 73 Resp: 72051

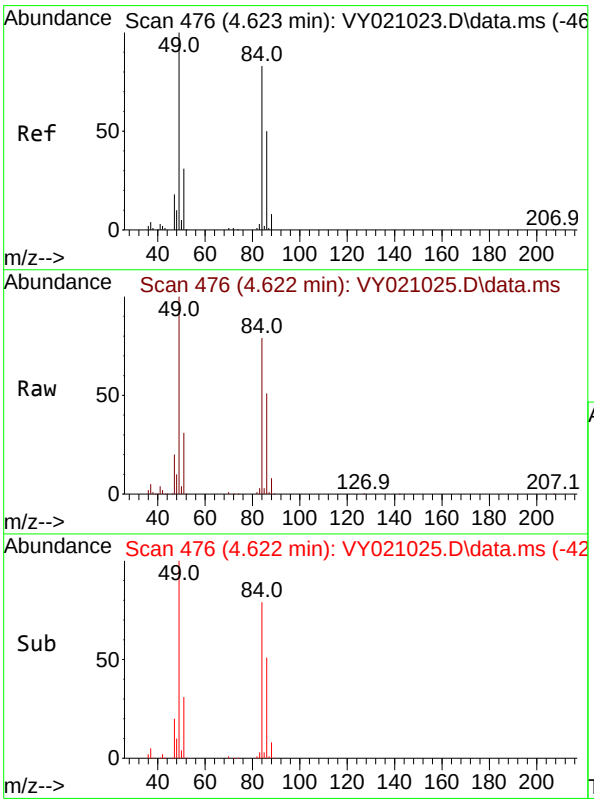
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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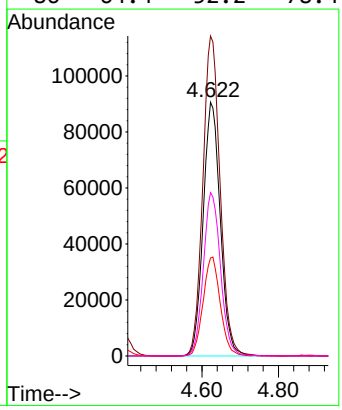
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

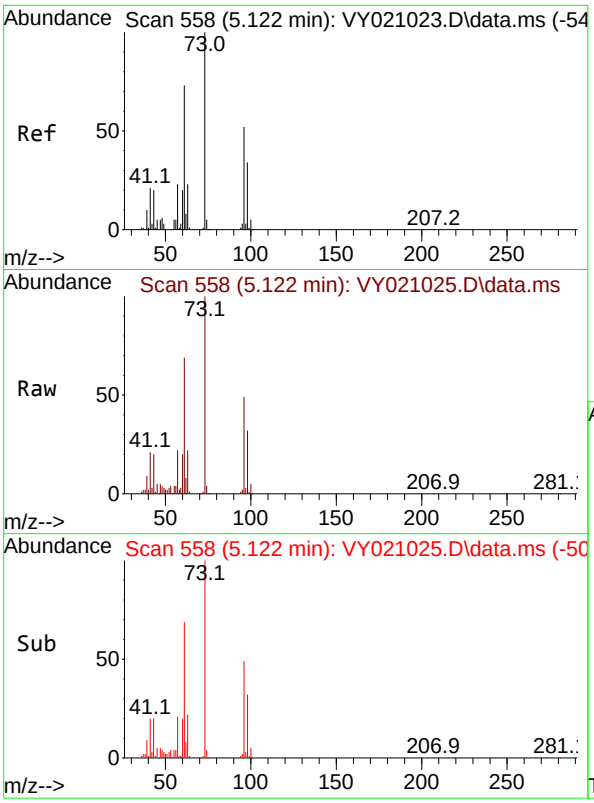


#20
Methylene Chloride
Concen: 109.728 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 84 Resp: 281630

Ion	Ratio	Lower	Upper
84	100		
49	126.1	95.2	142.8
51	38.6	29.9	44.9
86	64.4	52.2	78.4

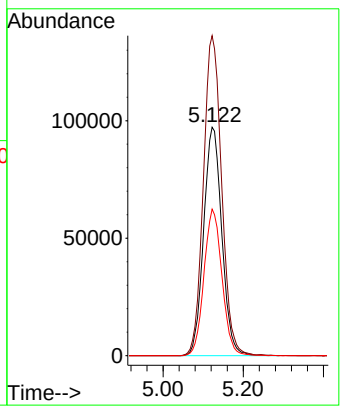




#21
trans-1,2-Dichloroethene
Concen: 134.636 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 96 Resp: 30616

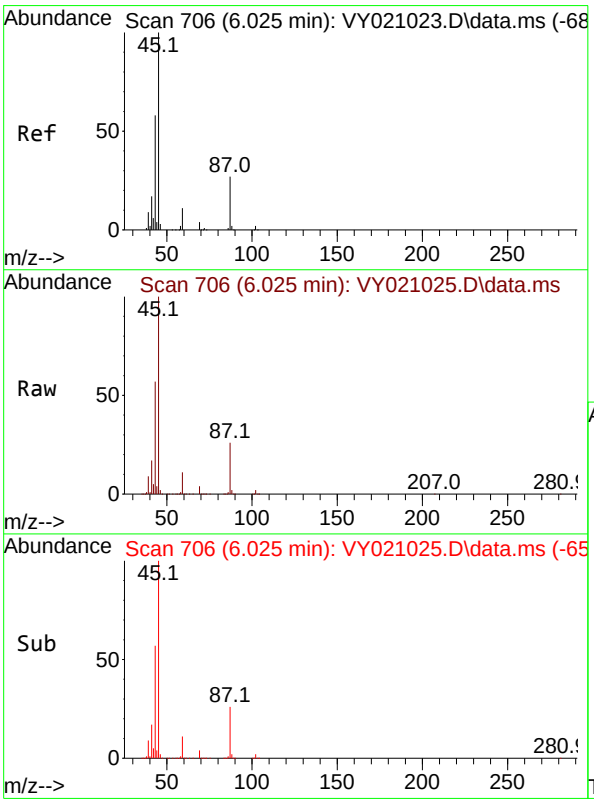
Ion	Ratio	Lower	Upper
96	100		
61	140.1	104.6	156.8
98	64.1	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

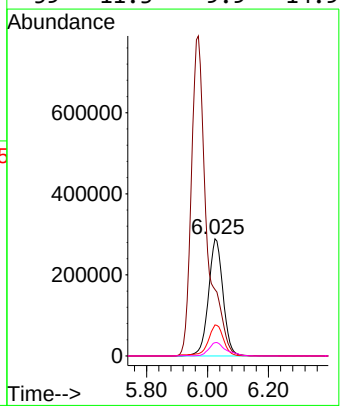
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

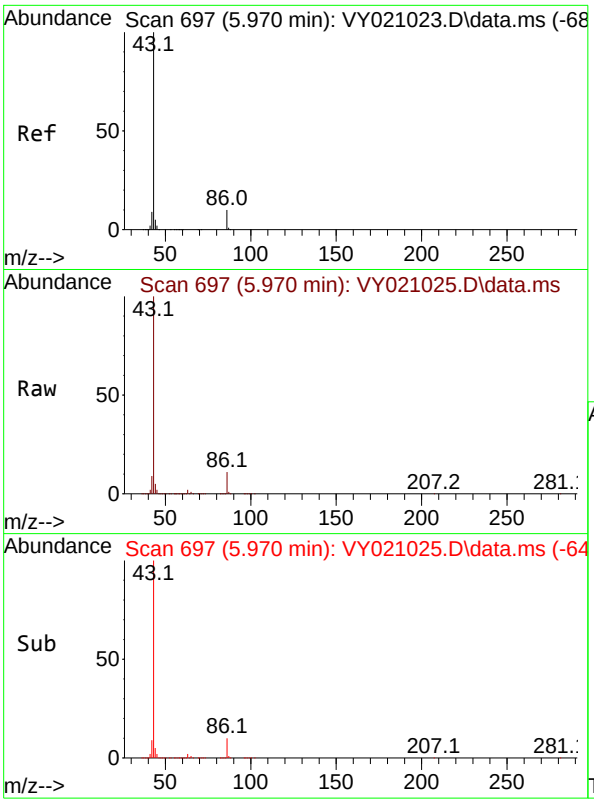


#22
Diisopropyl ether
Concen: 148.878 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 45 Resp: 955213

Ion	Ratio	Lower	Upper
45	100		
43	56.6	46.8	70.2
87	26.5	22.2	33.2
59	11.3	9.9	14.9





#23
Vinyl Acetate
Concen: 786.547 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

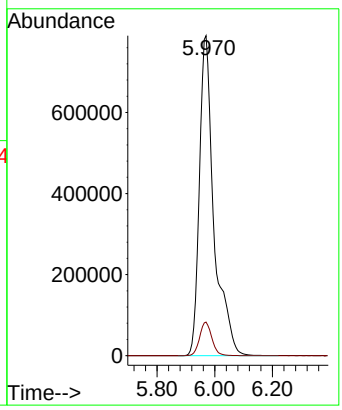
Tgt Ion: 43 Resp: 276142

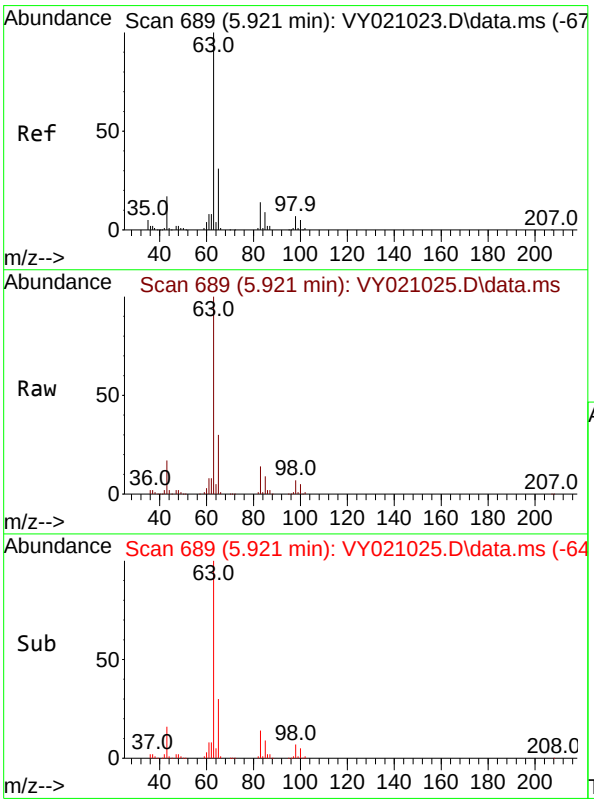
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	13.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

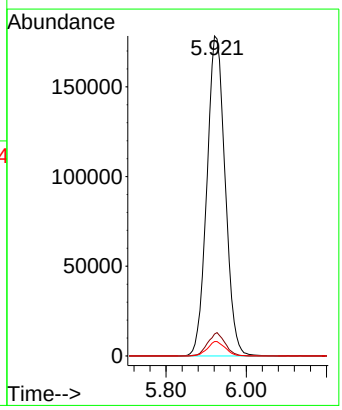


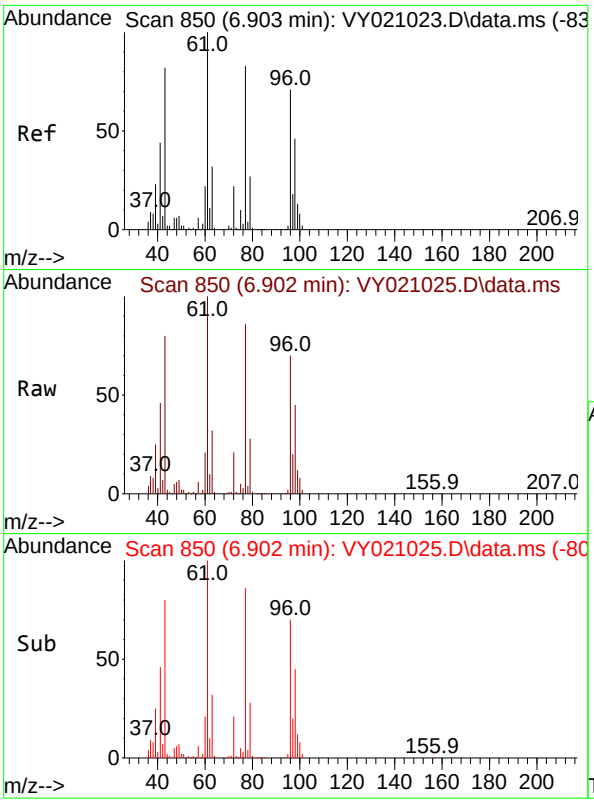


#24
1,1-Dichloroethane
Concen: 141.610 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 63 Resp: 563116

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.4
100	4.5	2.1	6.2

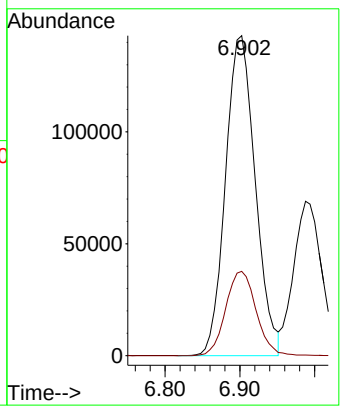




#25
2-Butanone
Concen: 620.601 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 39588

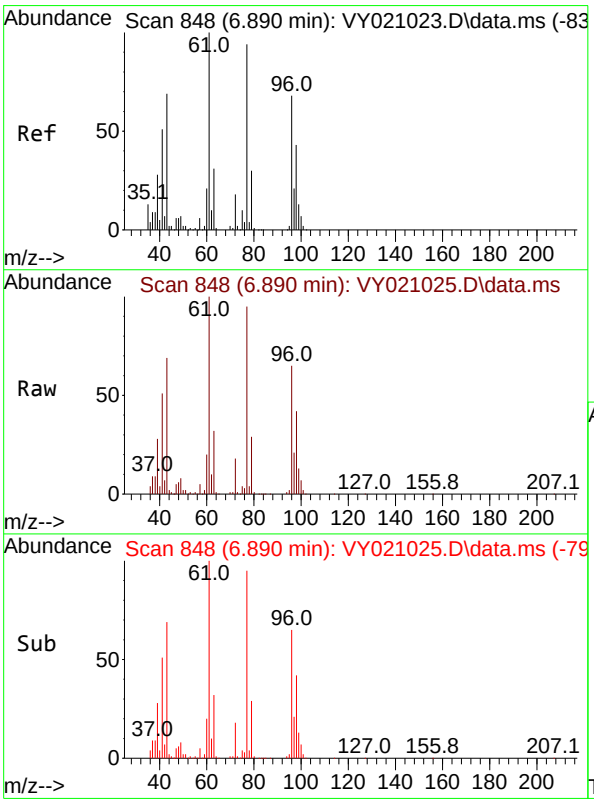
Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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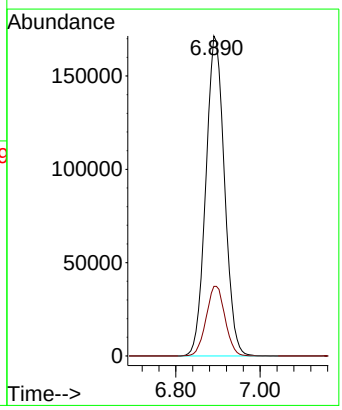
Reviewed By :Mahesh Dadoda 02/04/2025
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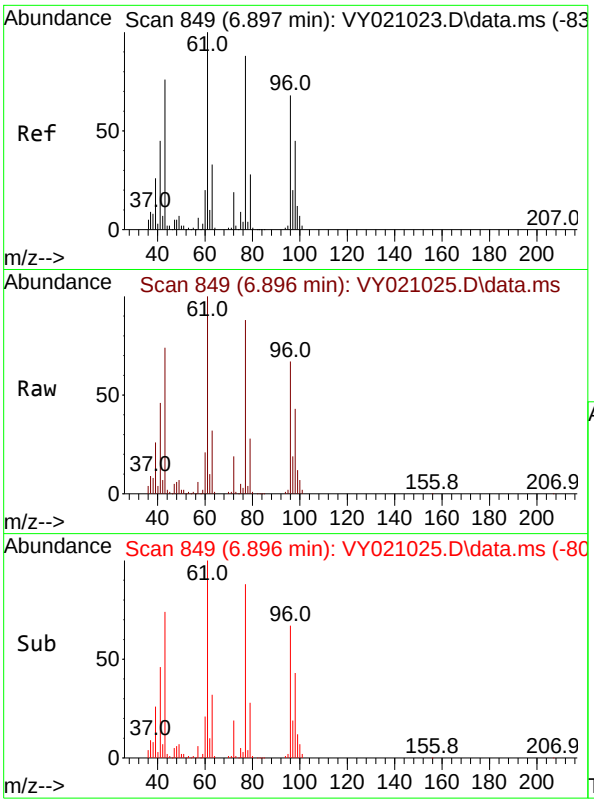


#26
2,2-Dichloropropane
Concen: 153.065 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 77 Resp: 527500

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.7	35.0

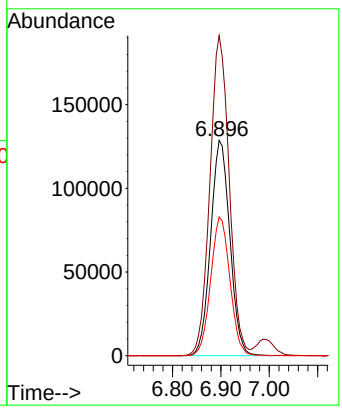




#27
cis-1,2-Dichloroethene
Concen: 144.373 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 96 Resp: 35649

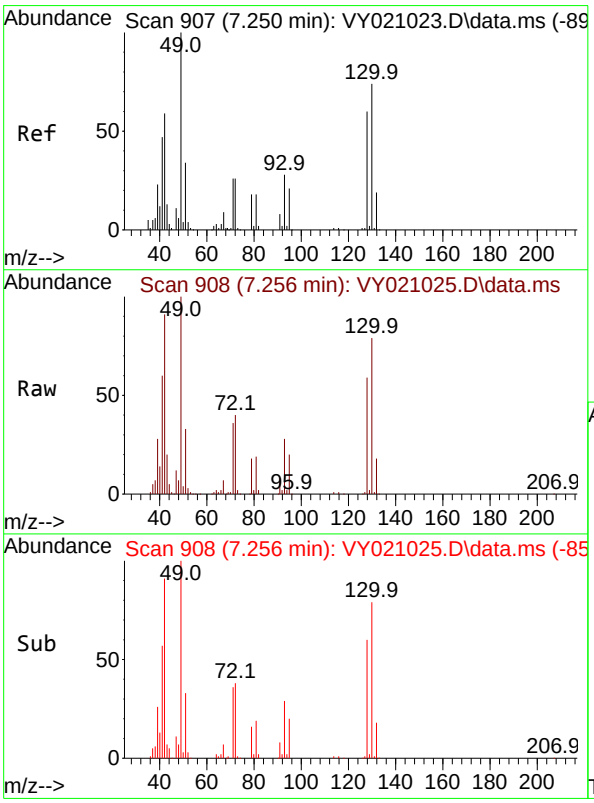
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	278.8
98	64.4	0.0	127.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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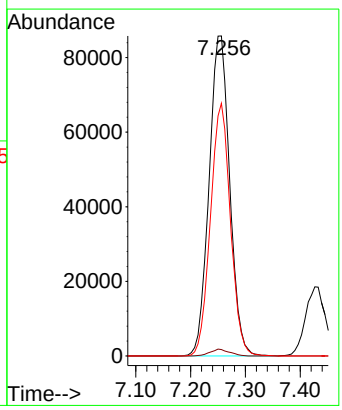
Reviewed By :Mahesh Dadoda 02/04/2025
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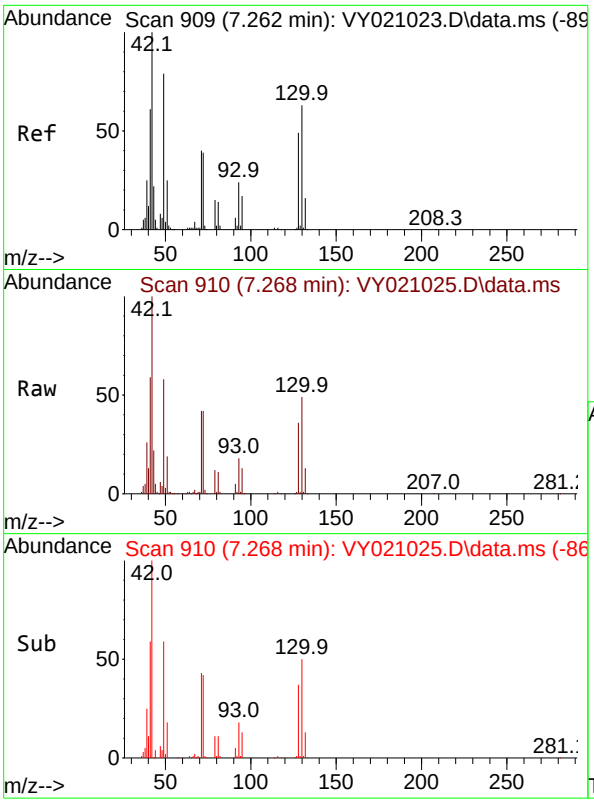


#28
Bromochloromethane
Concen: 131.225 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 49 Resp: 224174

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	76.4	59.8	89.8

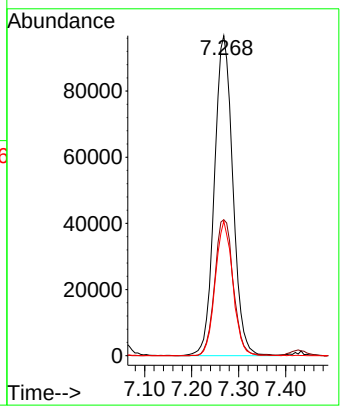




#29
Tetrahydrofuran
Concen: 736.644 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 42 Resp: 26394

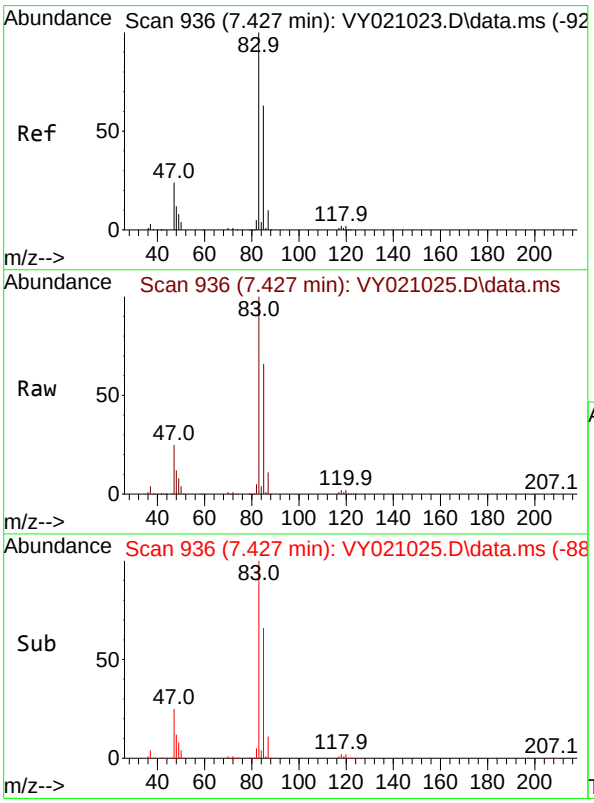
Ion	Ratio	Lower	Upper
42	100		
72	42.9	36.6	54.8
71	39.9	33.8	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

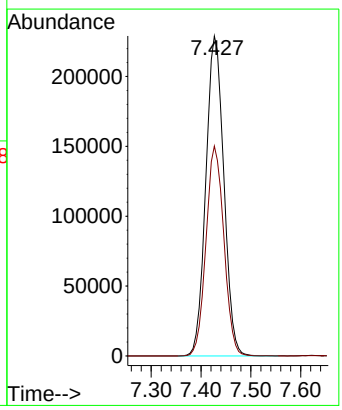
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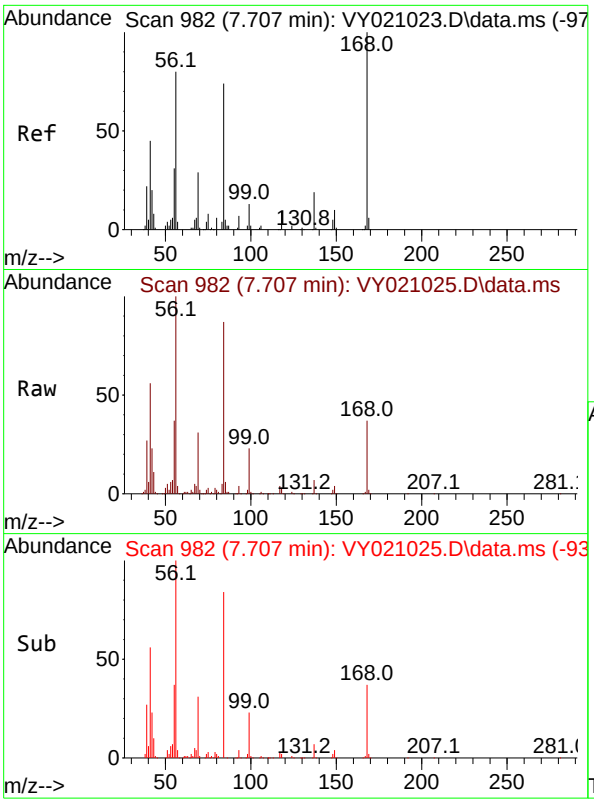


#30
Chloroform
Concen: 143.739 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 83 Resp: 572890

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.2	76.8

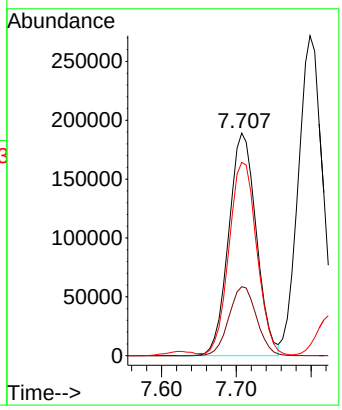




#31
Cyclohexane
Concen: 128.899 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 56 Resp: 48516

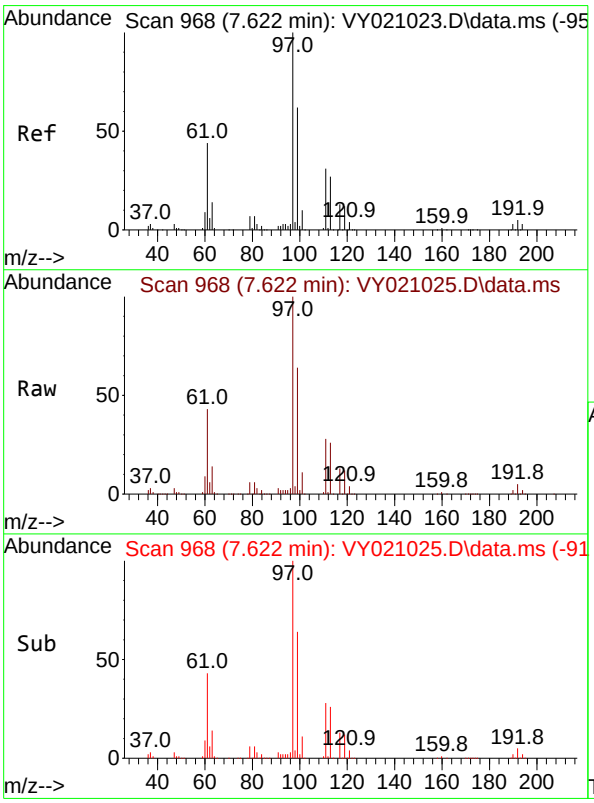
Ion	Ratio	Lower	Upper
56	100		
69	31.0	27.0	40.6
84	84.9	71.8	107.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

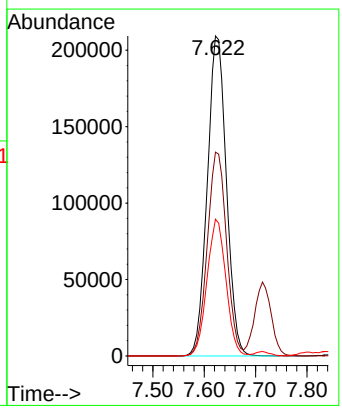
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

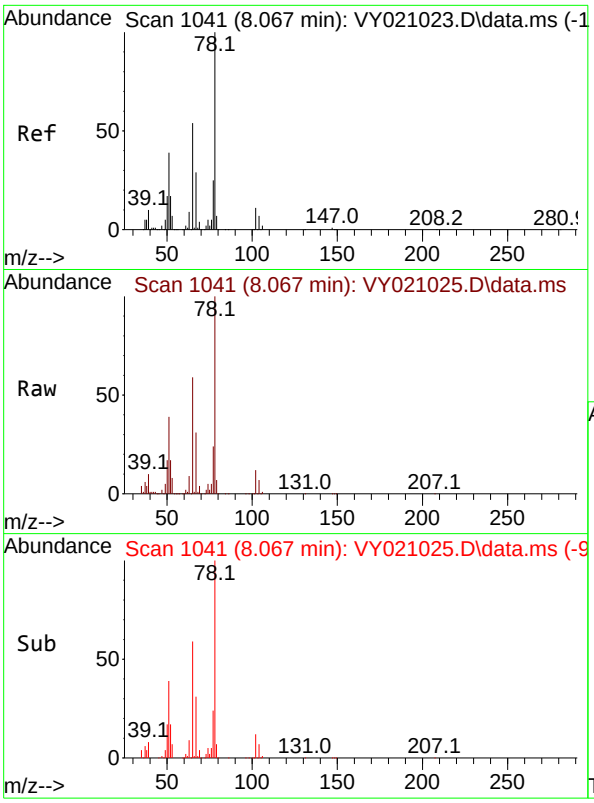


#32
1,1,1-Trichloroethane
Concen: 151.377 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 97 Resp: 540513

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	42.5	35.0	52.6





#33
1,2-Dichloroethane-d4
Concen: 145.336 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

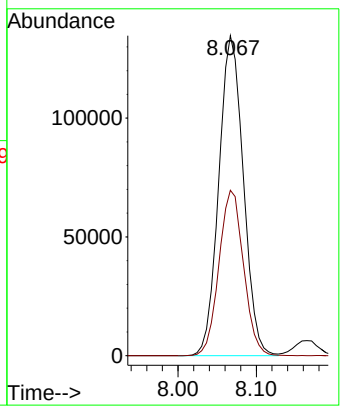
Tgt Ion: 65 Resp: 29366

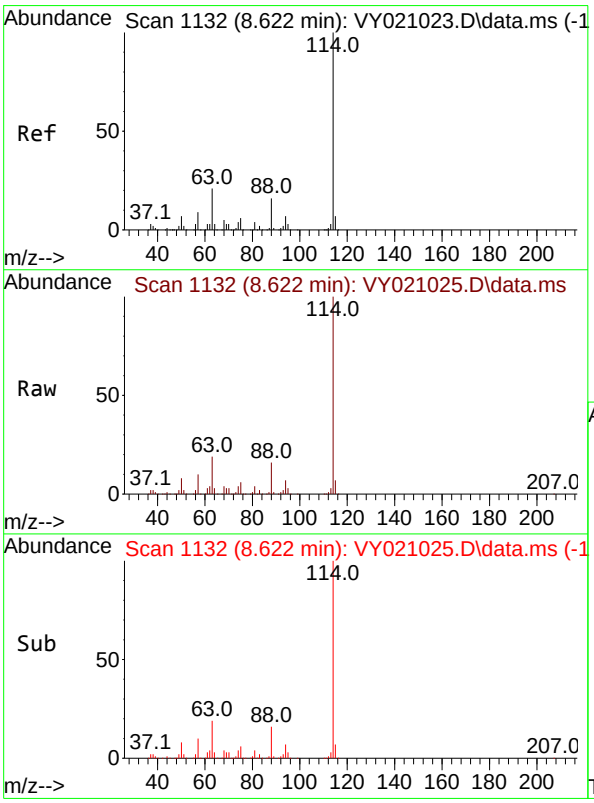
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

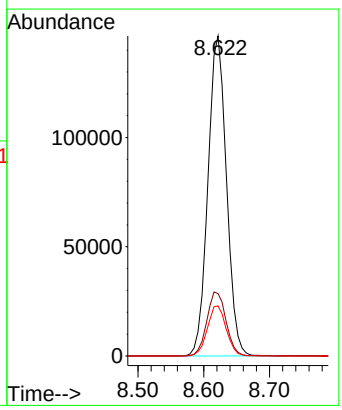


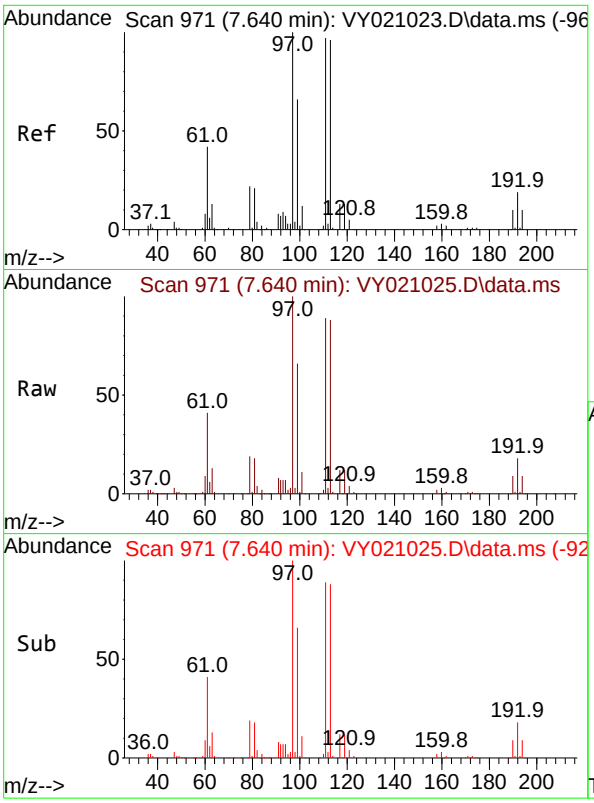


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:114 Resp: 287697

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	37.4
88	15.7	0.0	29.0

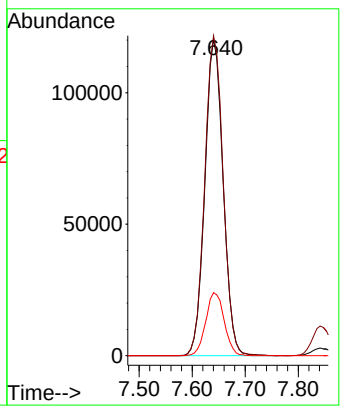




#35
Dibromofluoromethane
Concen: 155.917 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:113 Resp: 28779

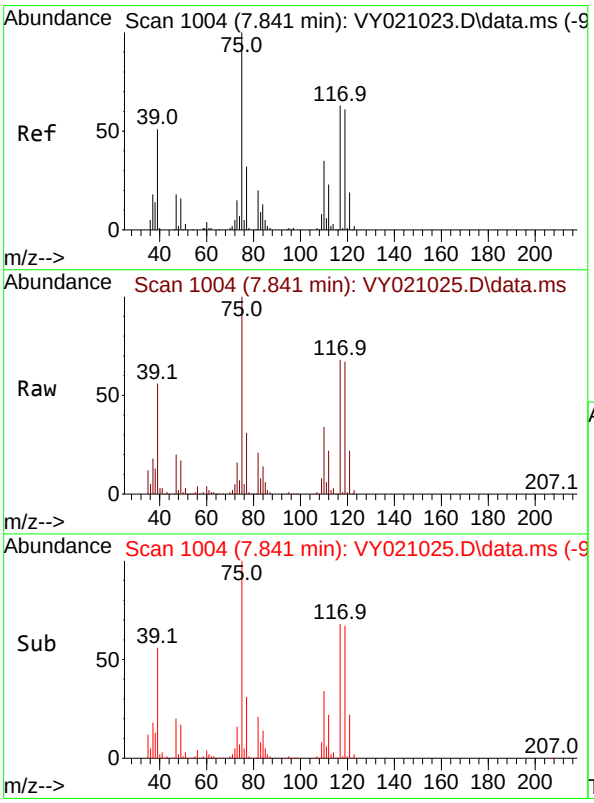
Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.8	125.6
192	20.1	14.5	21.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

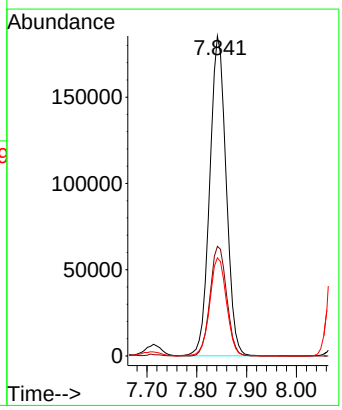
Reviewed By :Mahesh Dadoda 02/04/2025
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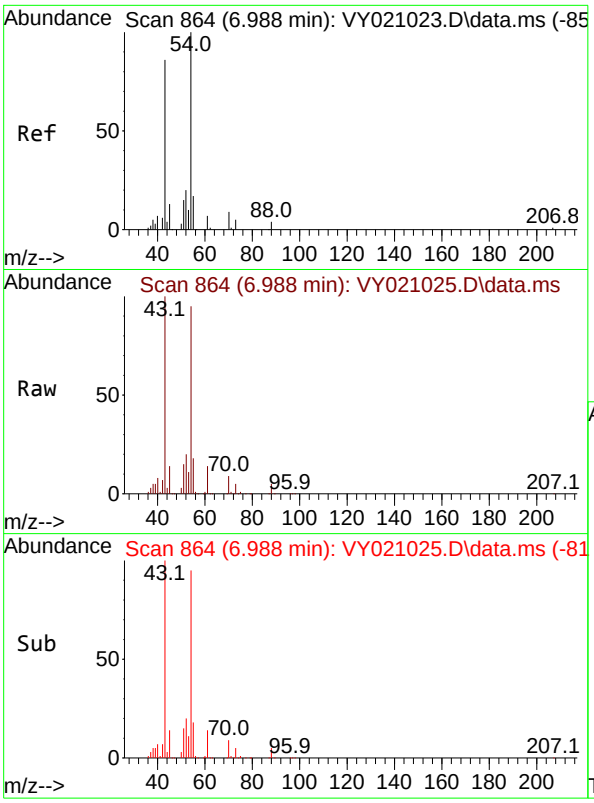


#36
1,1-Dichloropropene
Concen: 143.160 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 423720

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.4	52.3
77	31.4	24.7	37.1

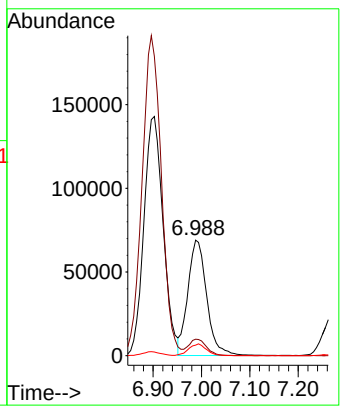




#37
Ethyl Acetate
Concen: 153.217 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 18666

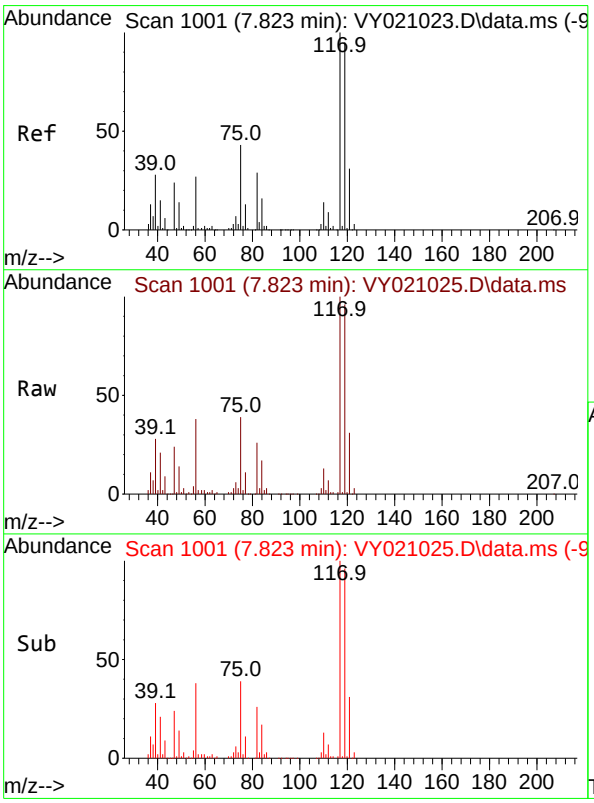
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.0	16.6
70	9.6	8.1	12.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

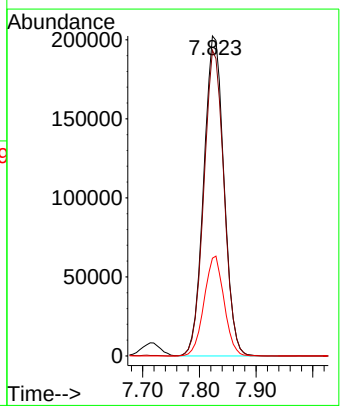
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

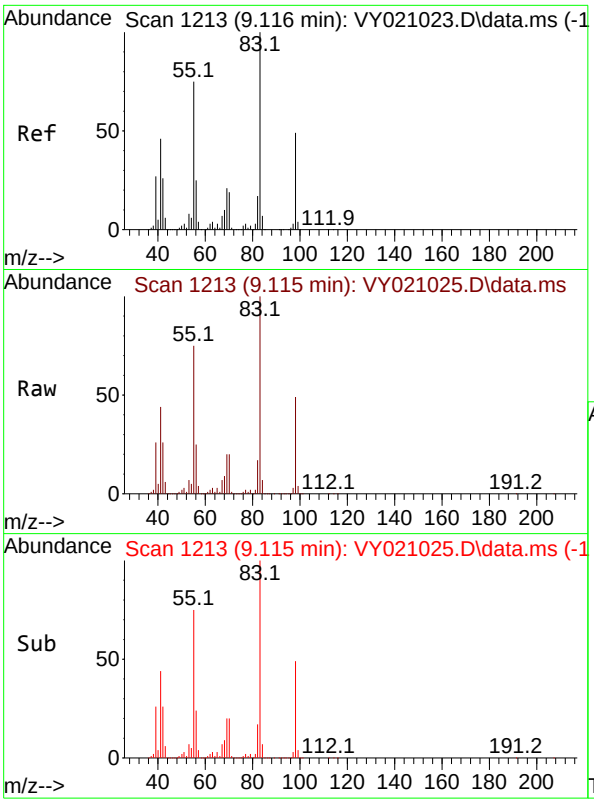


#38
Carbon Tetrachloride
Concen: 170.502 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:117 Resp: 501205

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.0	114.0
121	30.6	24.2	36.2





#39
Methylcyclohexane
Concen: 152.474 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

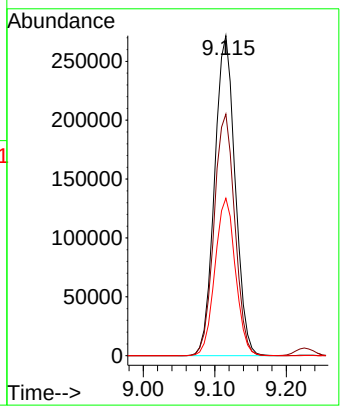
Tgt Ion: 83 Resp: 54290

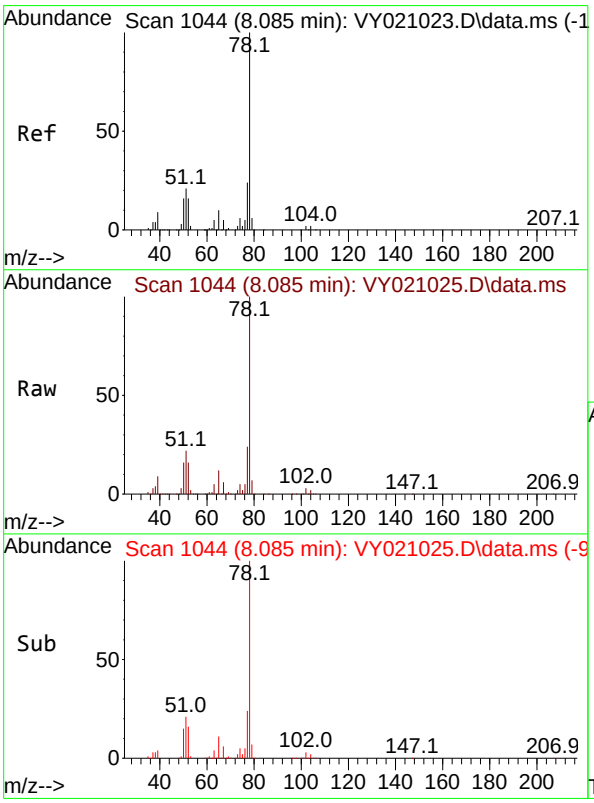
Ion	Ratio	Lower	Upper
83	100		
55	75.5	59.7	89.5
98	49.2	38.0	57.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

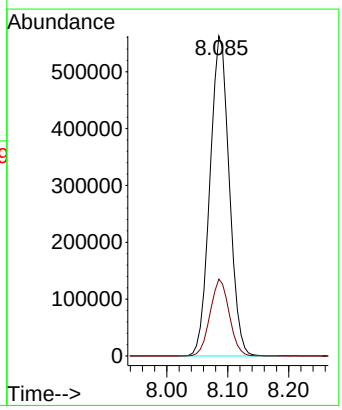


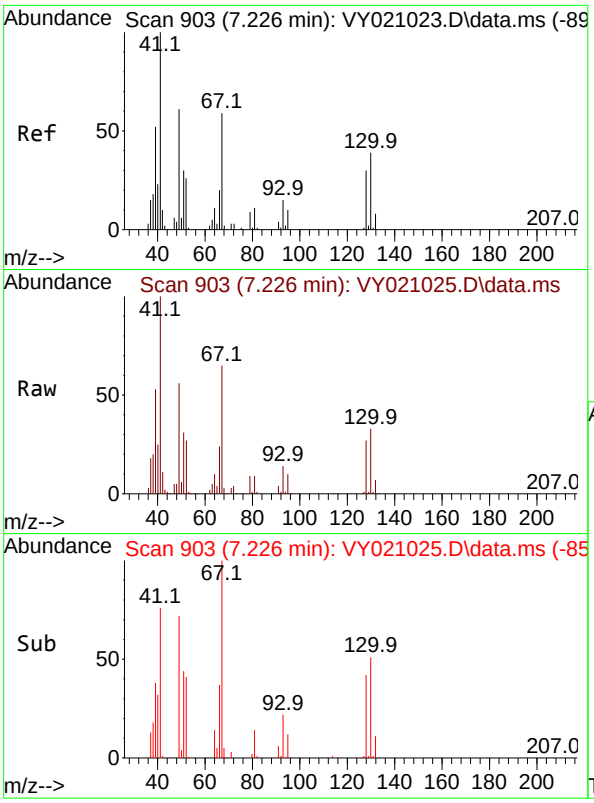


#40
Benzene
Concen: 148.429 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 78 Resp: 1239229

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

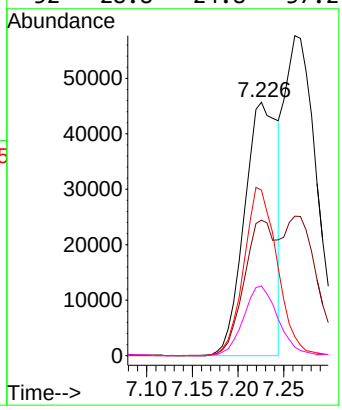




#41
Methacrylonitrile
Concen: 185.120 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 41 Resp: 11523

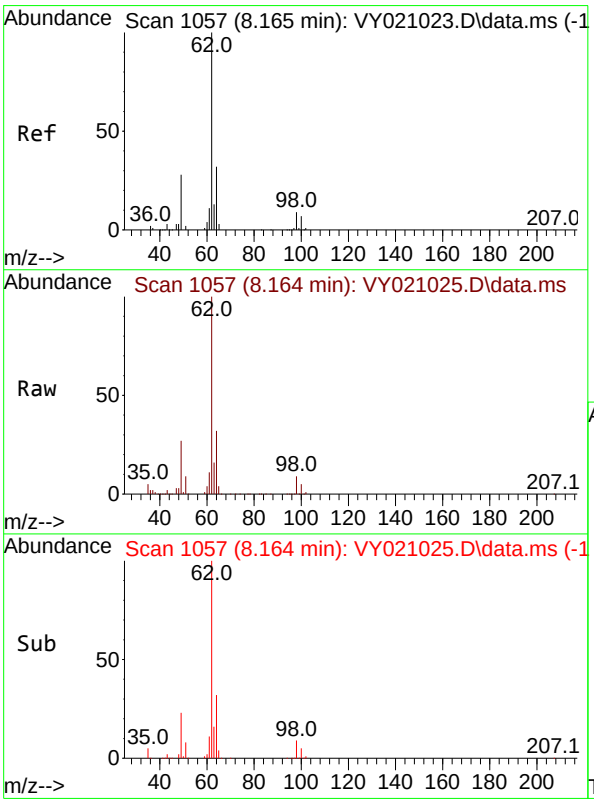
Ion	Ratio	Lower	Upper
41	100		
39	52.7	41.9	62.9
67	67.4	59.8	89.6
52	28.8	24.8	37.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

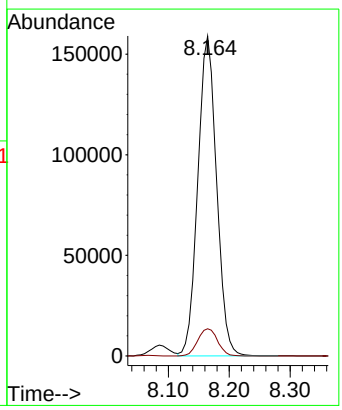
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

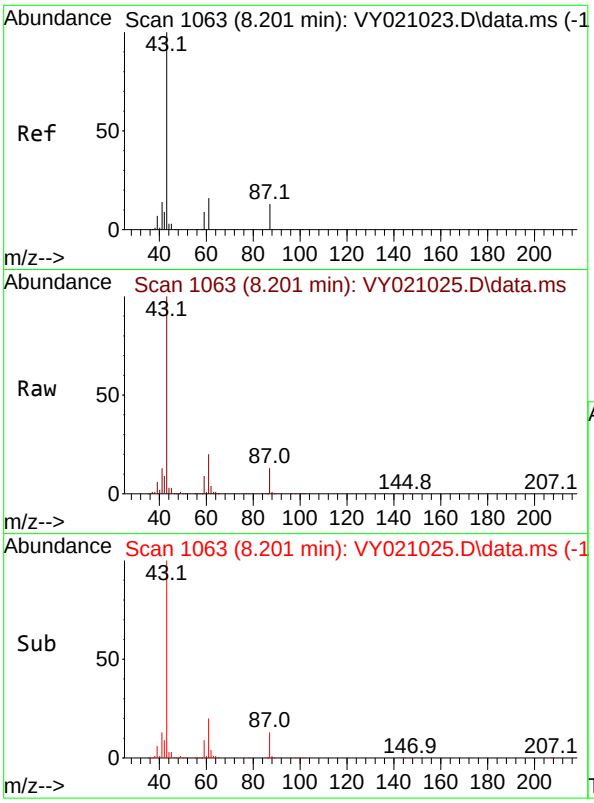


#42
1,2-Dichloroethane
Concen: 158.367 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 62 Resp: 340547

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.2

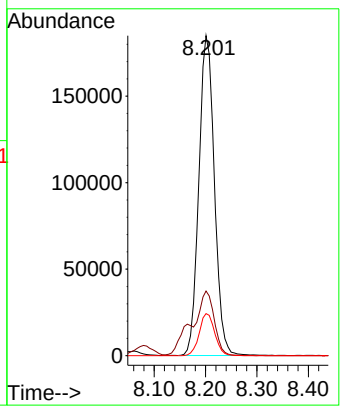




#43
Isopropyl Acetate
Concen: 175.917 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 38896

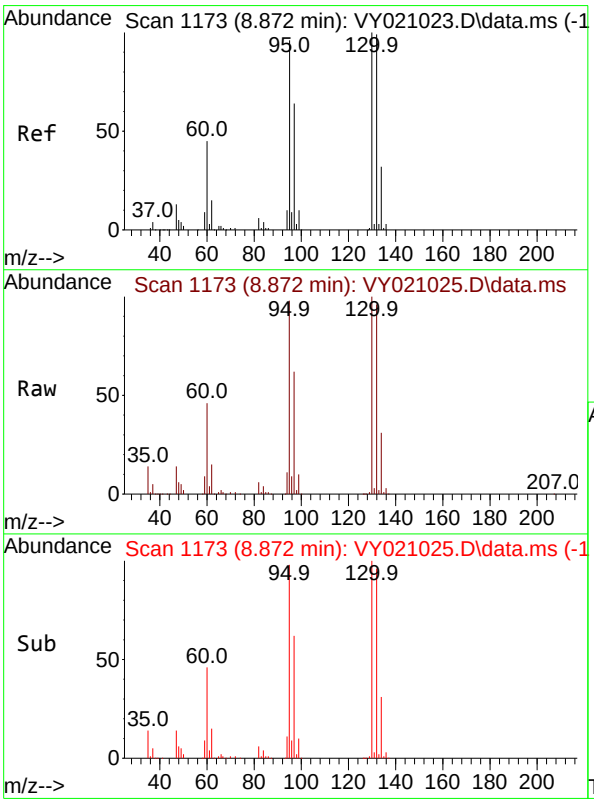
Ion	Ratio	Lower	Upper
43	100		
61	20.0	24.8	37.2
87	13.1	10.7	16.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

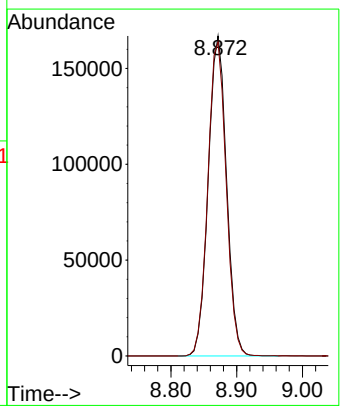
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

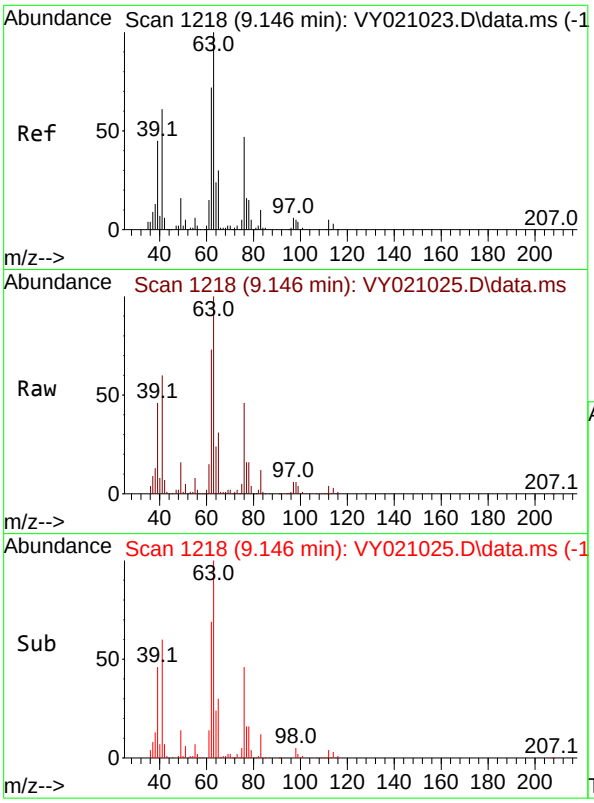


#44
Trichloroethene
Concen: 150.703 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:130 Resp: 323716

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	203.8

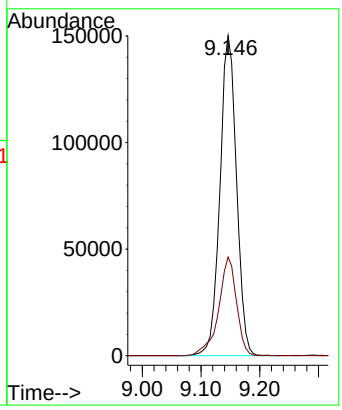




#45
1,2-Dichloropropane
Concen: 147.060 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 63 Resp: 29415

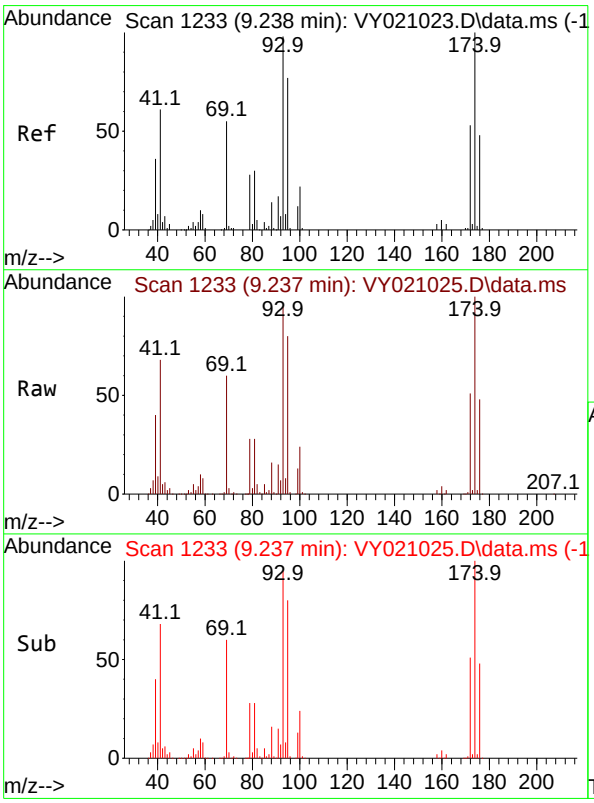
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

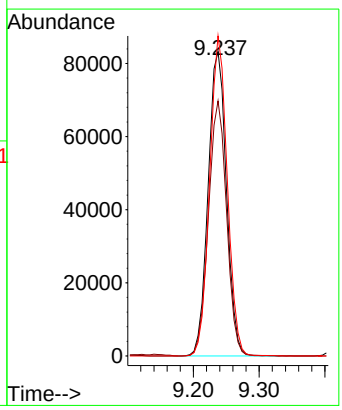
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

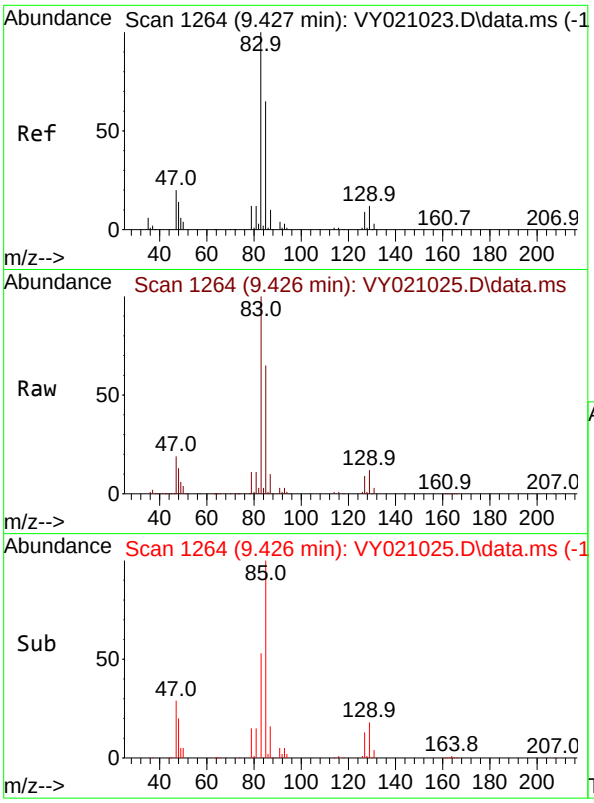


#46
Dibromomethane
Concen: 154.118 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 93 Resp: 161341

Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.6	99.8
174	101.4	73.8	110.6

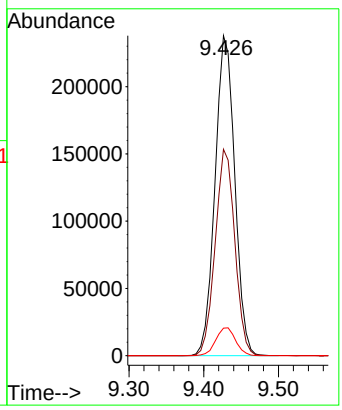




#47
Bromodichloromethane
Concen: 160.591 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 83 Resp: 43711

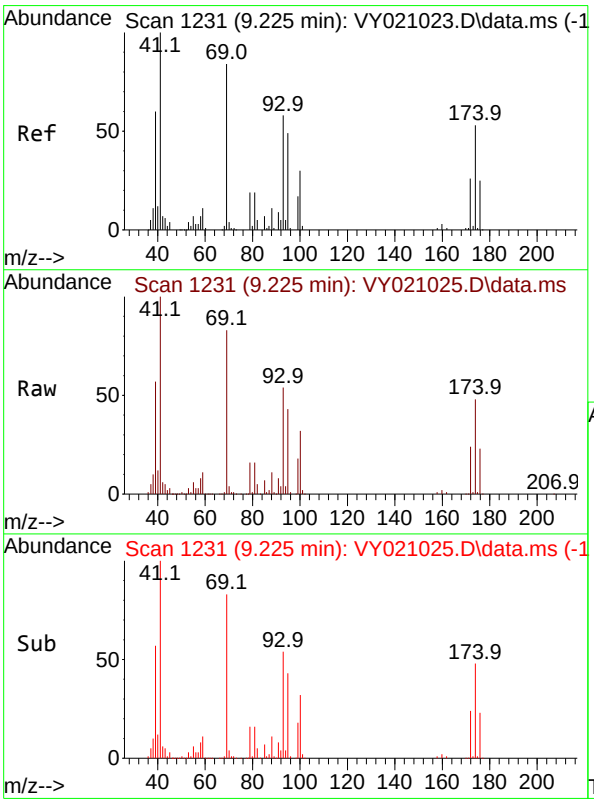
Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.2	79.8
127	8.6	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

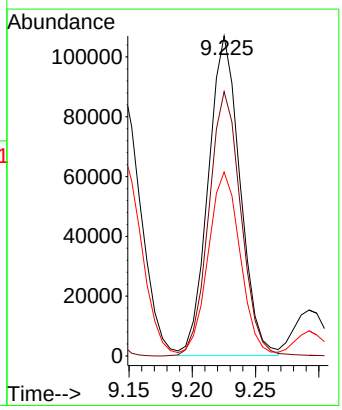
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

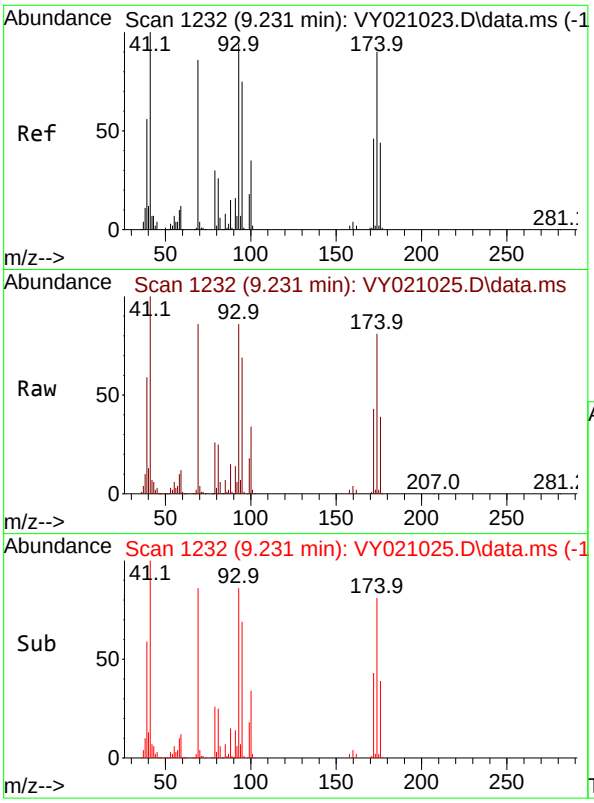


#48
Methyl methacrylate
Concen: 167.251 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 41 Resp: 187040

Ion	Ratio	Lower	Upper
41	100		
69	83.4	72.1	108.1
39	55.8	42.8	64.2

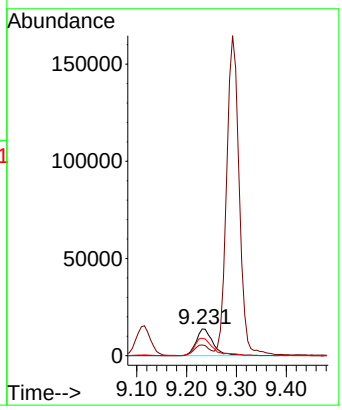




#49
1,4-Dioxane
Concen: 3078.544 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 88 Resp: 3270

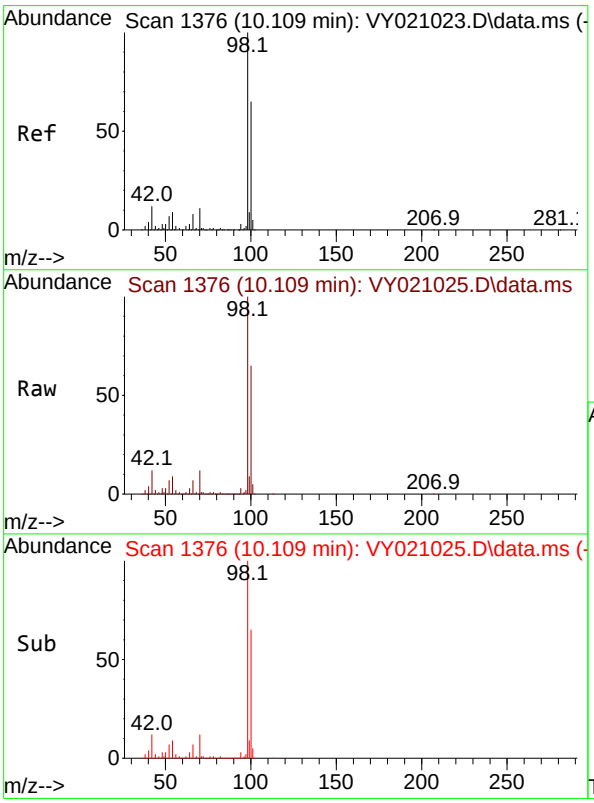
Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.2	42.4
58	72.3	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

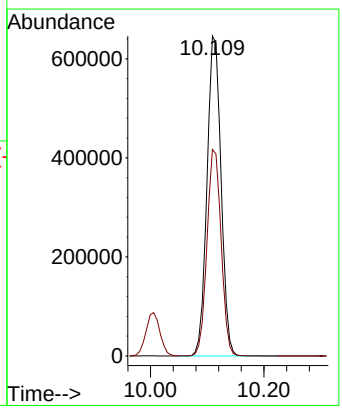
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

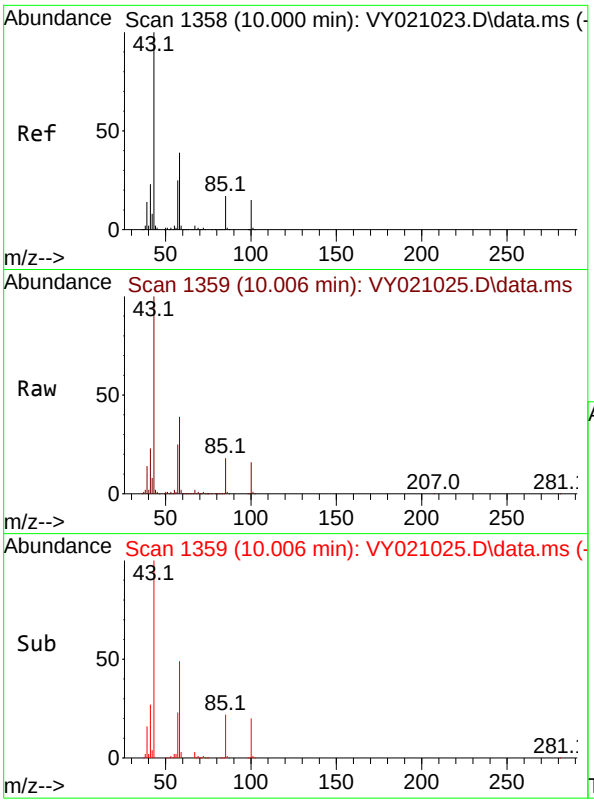


#50
Toluene-d8
Concen: 156.140 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 98 Resp: 1111573

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.3	78.5

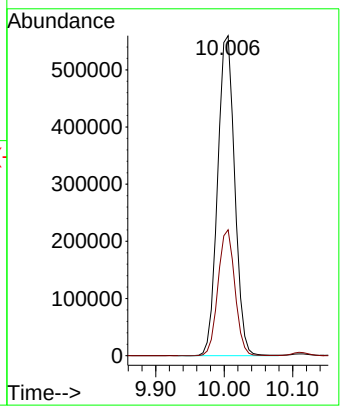




#51
4-Methyl-2-Pentanone
Concen: 814.397 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 96550

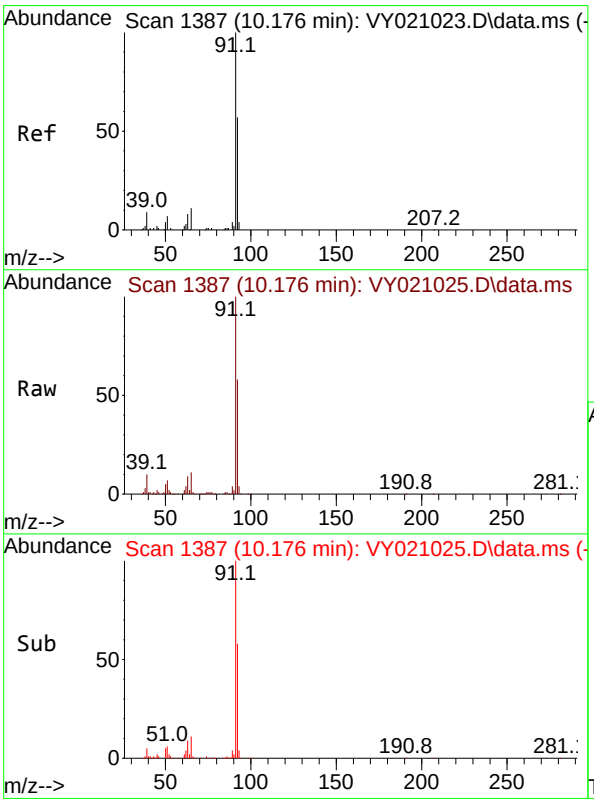
Ion	Ratio	Lower	Upper
43	100		
58	38.9	32.2	48.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

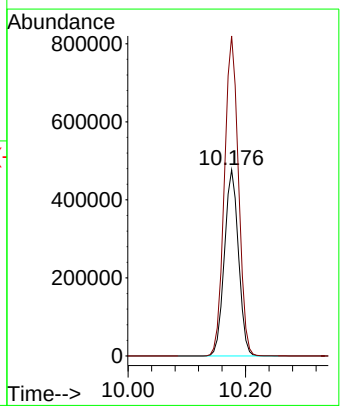
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

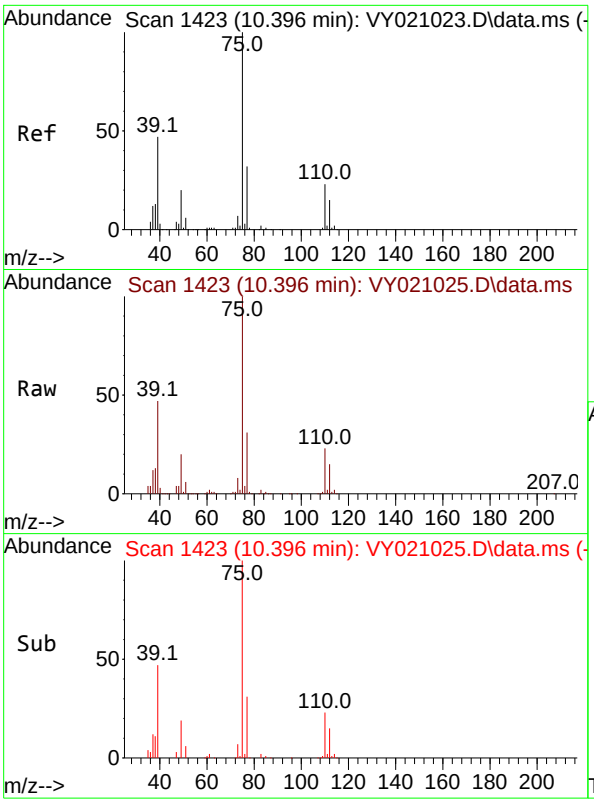


#52
Toluene
Concen: 155.591 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 92 Resp: 792134

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.6	206.4

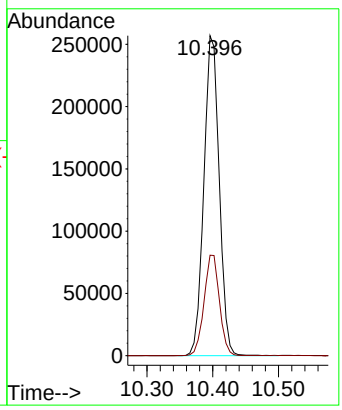




#53
t-1,3-Dichloropropene
Concen: 166.270 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 41687

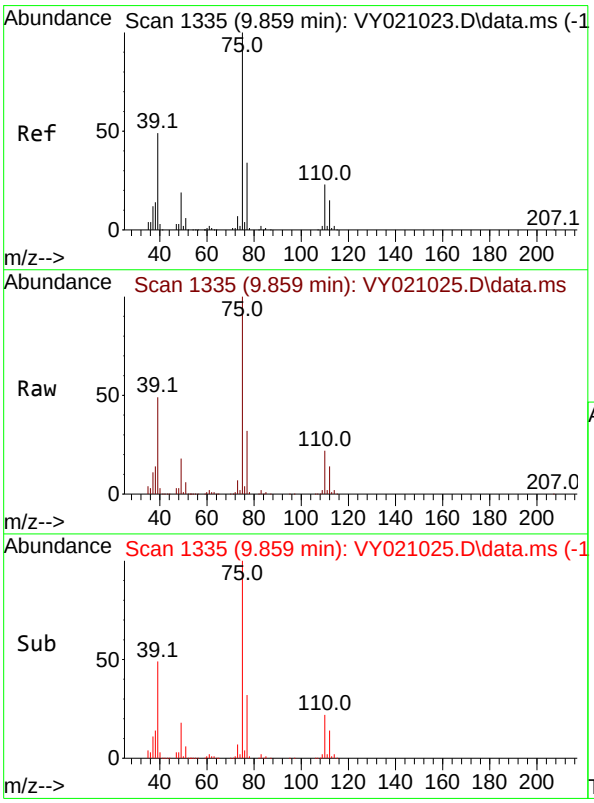
Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

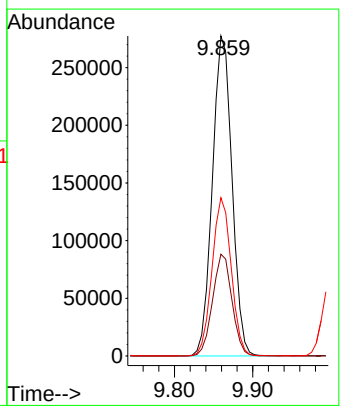
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

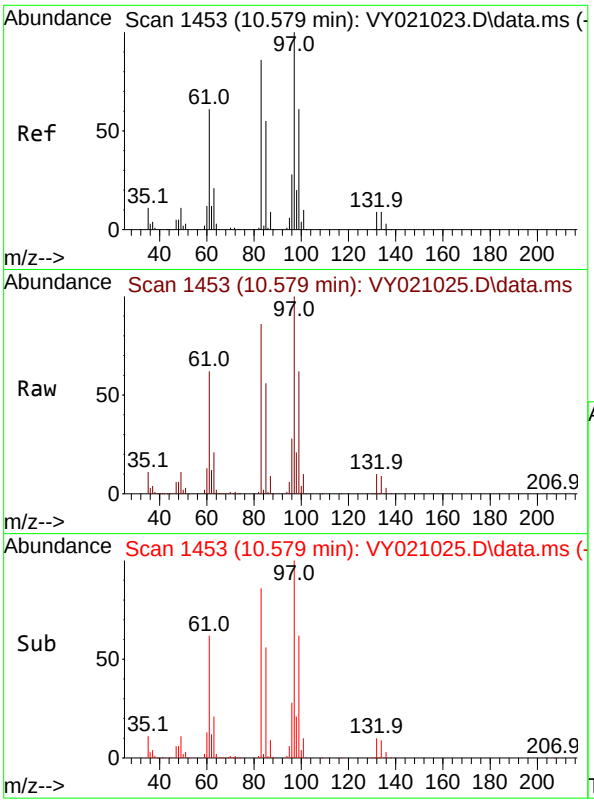


#54
cis-1,3-Dichloropropene
Concen: 158.232 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 483429

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	36.8
39	49.4	33.6	50.4

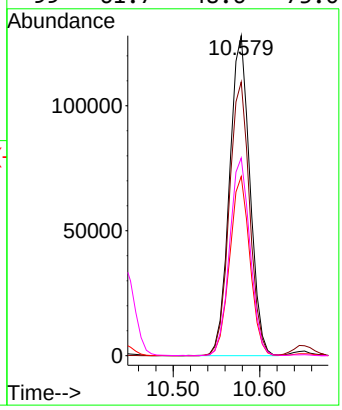




#55
1,1,2-Trichloroethane
Concen: 146.925 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 97 Resp: 20900

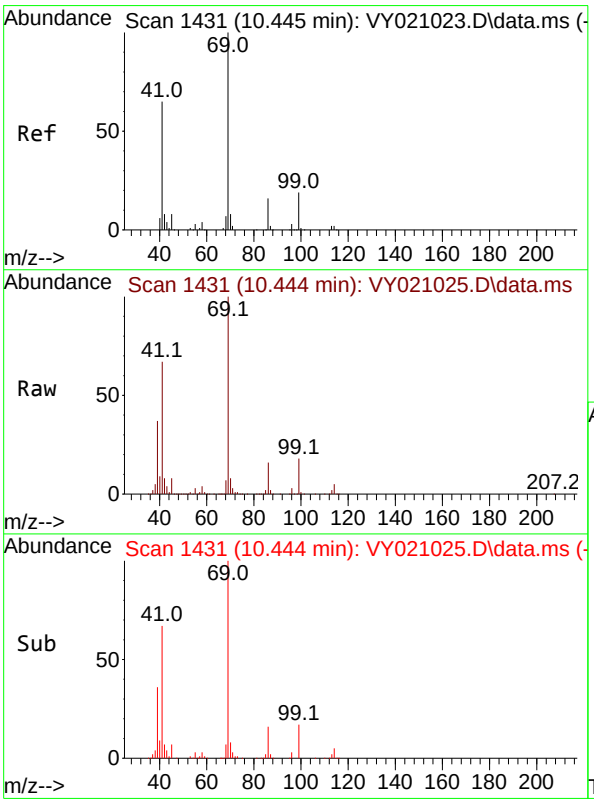
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.4	104.2
85	56.0	43.9	65.9
99	61.7	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

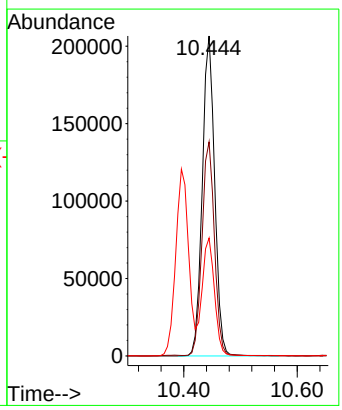
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

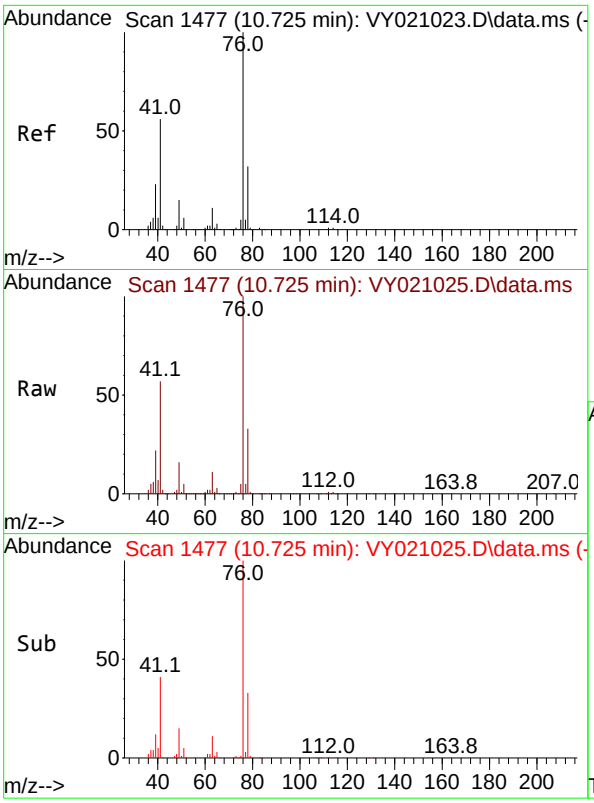


#56
Ethyl methacrylate
Concen: 200.500 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 69 Resp: 313458

Ion	Ratio	Lower	Upper
69	100		
41	67.0	49.2	73.8
39	37.0	26.8	40.2

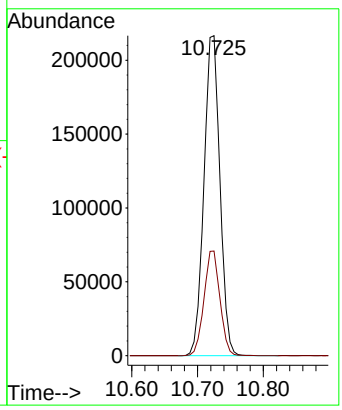




#57
1,3-Dichloropropane
Concen: 149.005 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 76 Resp: 36555

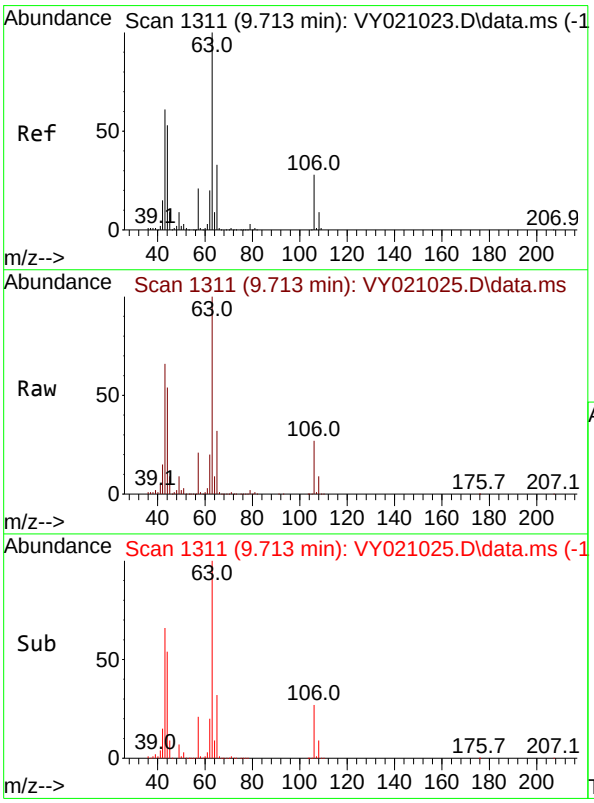
Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

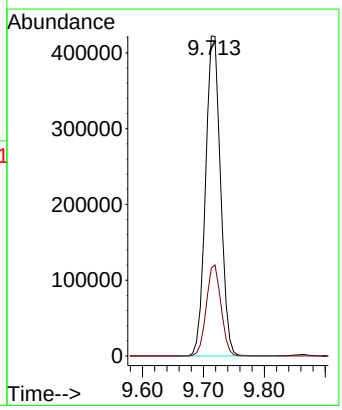
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

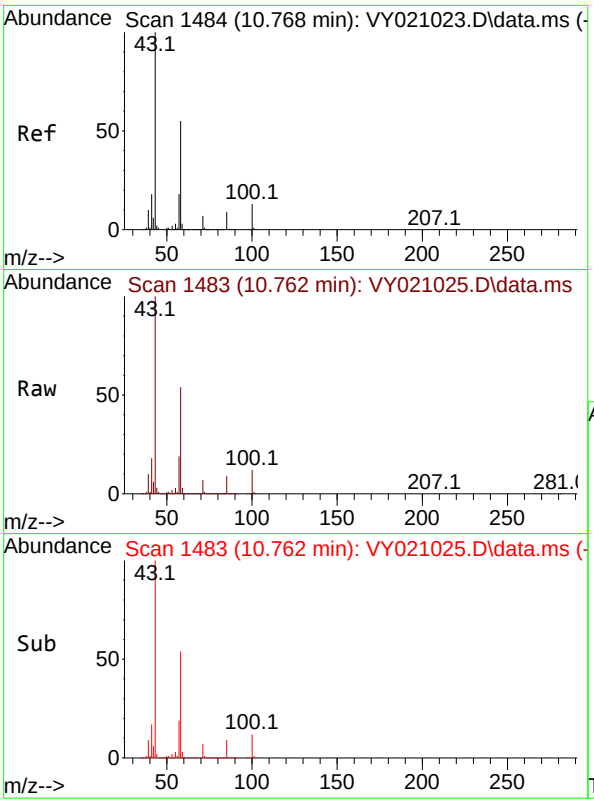


#58
2-Chloroethyl Vinyl ether
Concen: 788.766 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 63 Resp: 721923

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.4	33.6

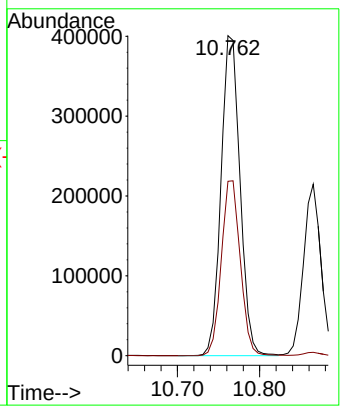




#59
2-Hexanone
Concen: 763.675 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 64244

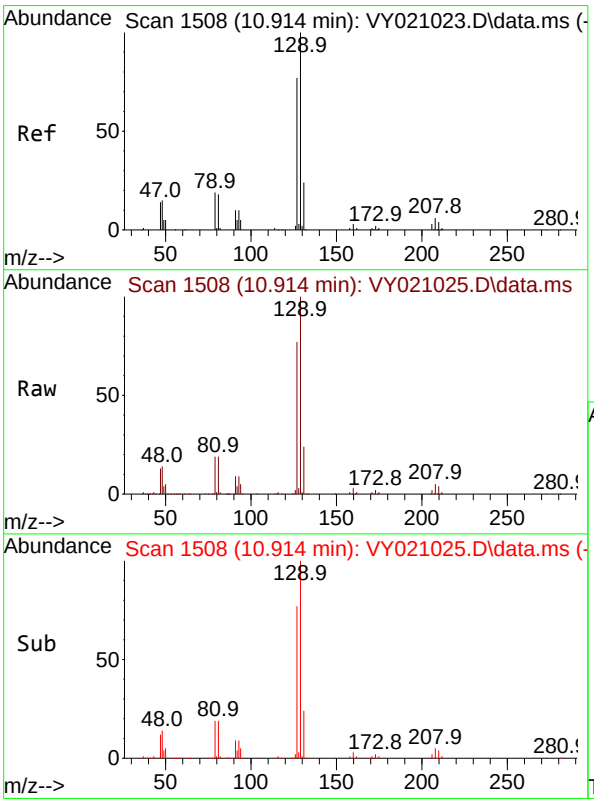
Ion	Ratio	Lower	Upper
43	100		
58	54.6	28.1	84.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

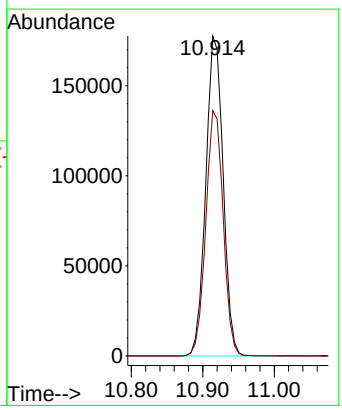
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

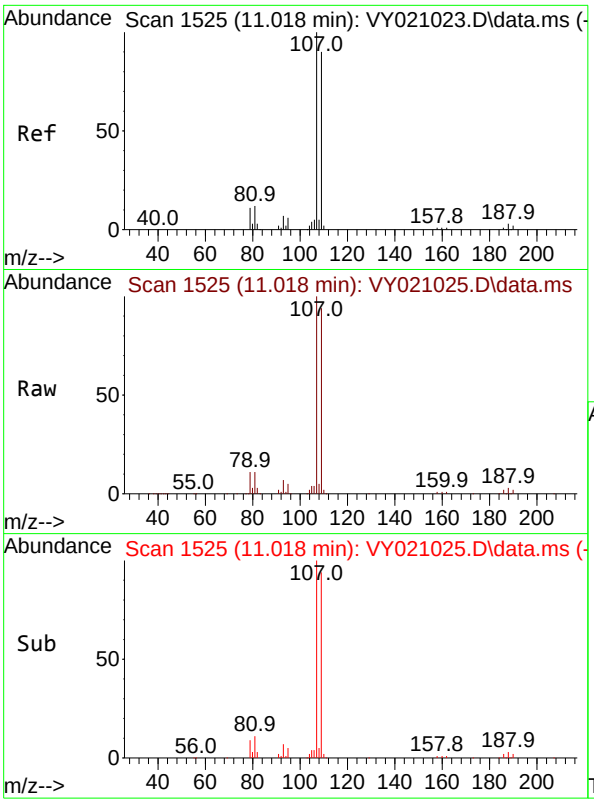


#60
Dibromochloromethane
Concen: 175.351 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:129 Resp: 298751

Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.2	117.6

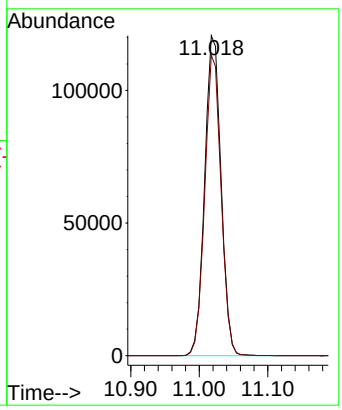




#61
1,2-Dibromoethane
Concen: 153.273 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:107 Resp: 20084

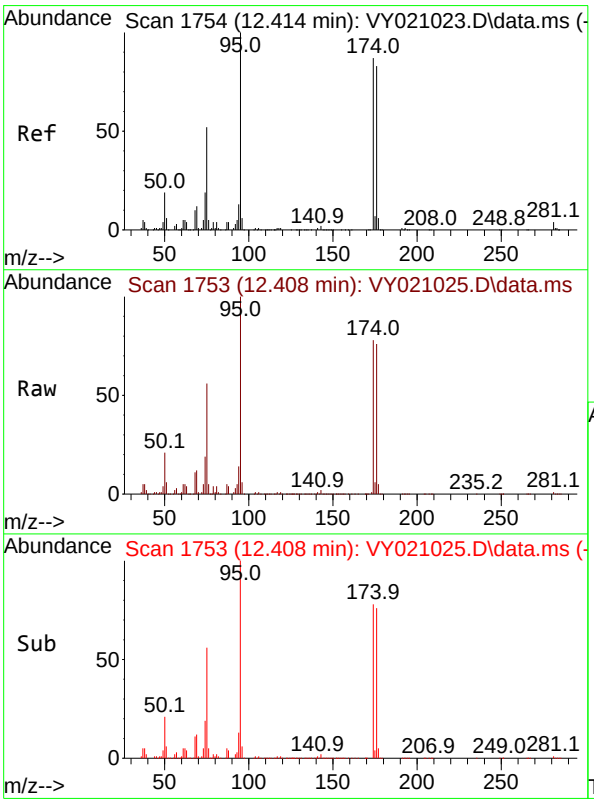
Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

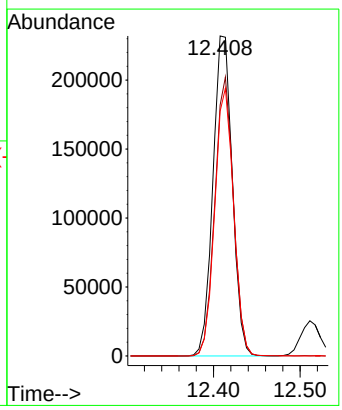
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

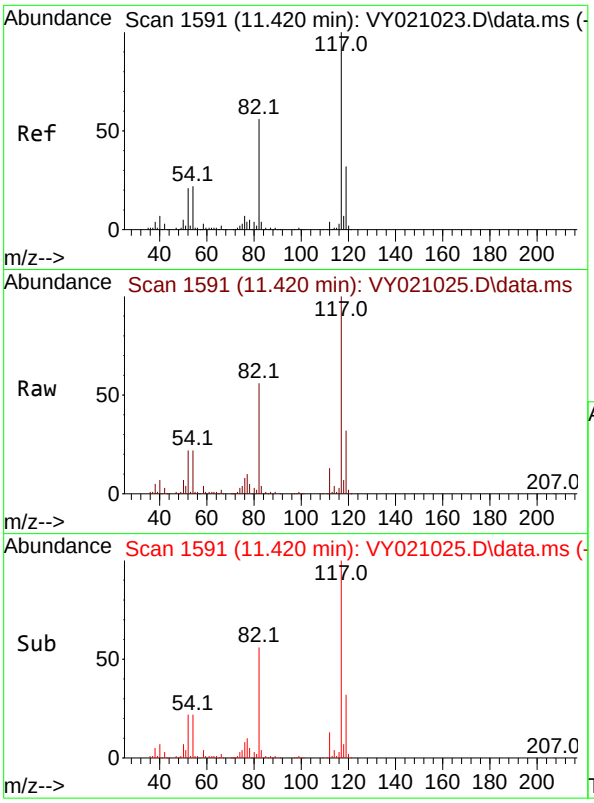


#62
4-Bromofluorobenzene
Concen: 162.912 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 95 Resp: 360358

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	160.0
176	81.4	0.0	151.8

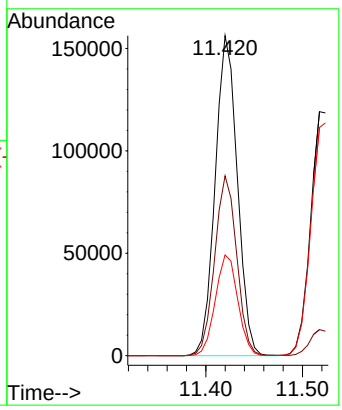




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:117 Resp: 24852

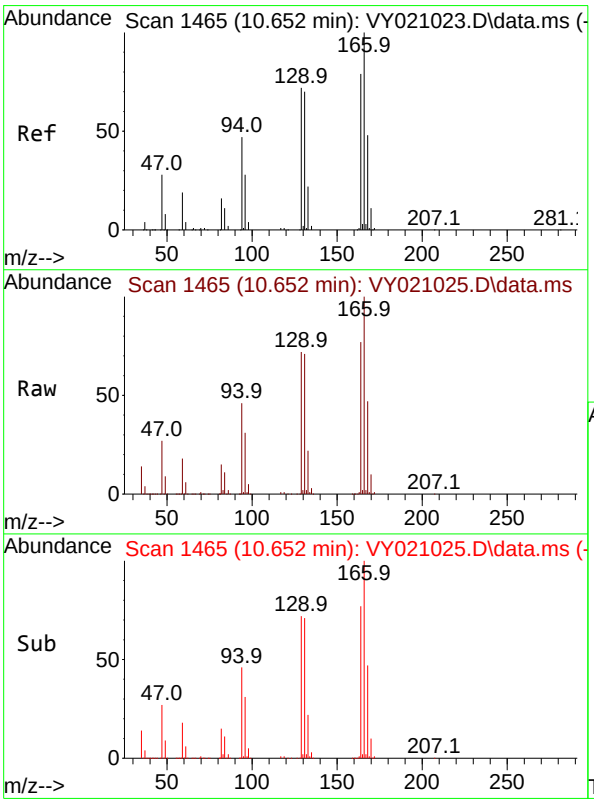
Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.8	65.8
119	31.5	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

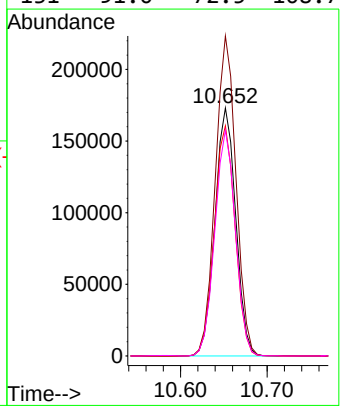
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

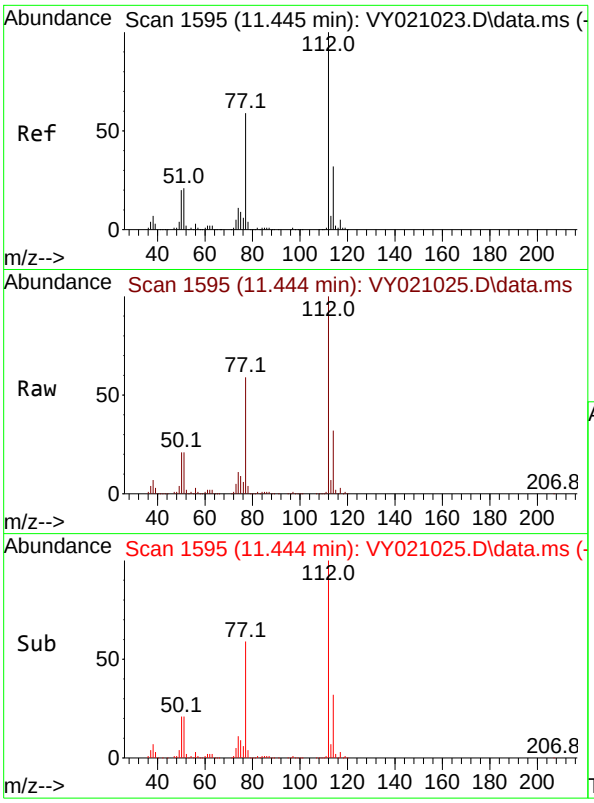


#64
Tetrachloroethene
Concen: 156.856 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:164 Resp: 288752

Ion	Ratio	Lower	Upper
164	100		
166	129.1	98.8	148.2
129	92.8	78.9	118.3
131	91.0	72.5	108.7

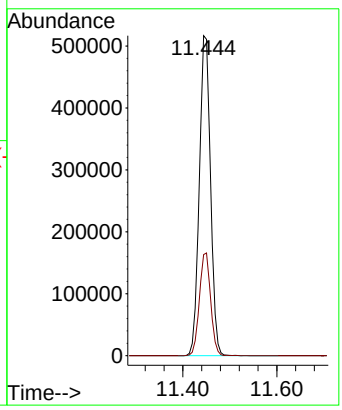




#65
Chlorobenzene
Concen: 161.190 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:112 Resp: 85448

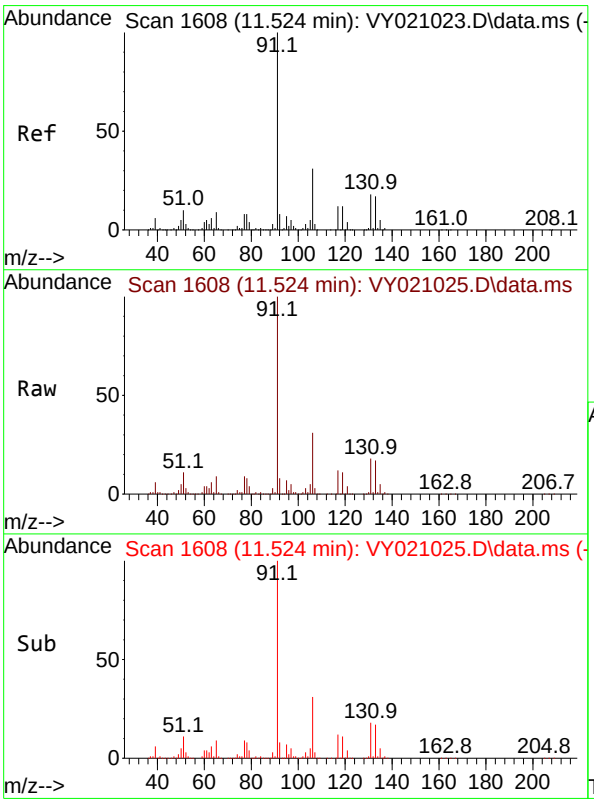
Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

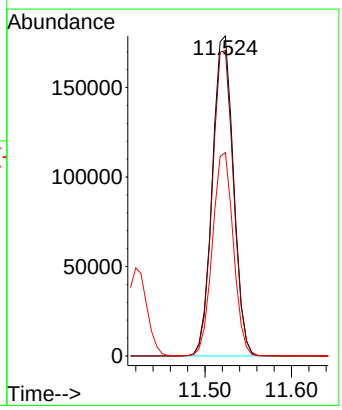
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

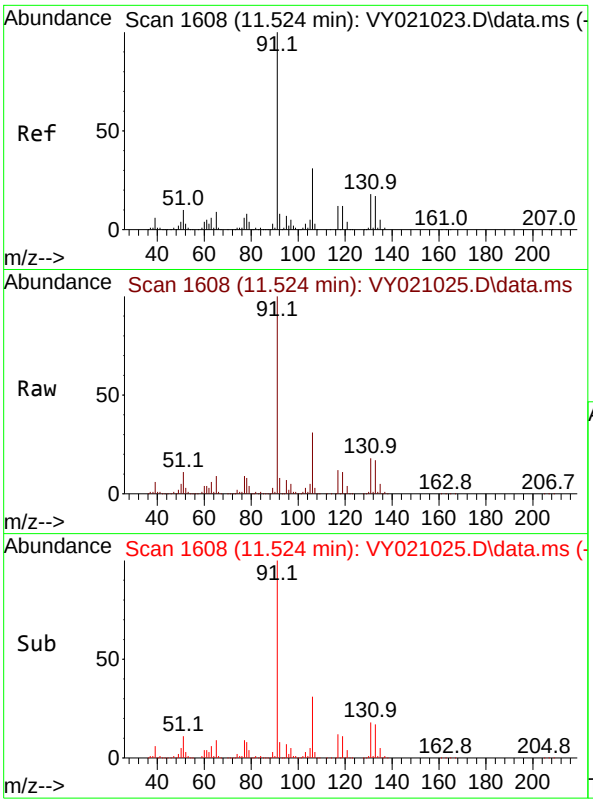


#66
1,1,1,2-Tetrachloroethane
Concen: 159.942 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:131 Resp: 303176

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.0	141.0
119	62.8	33.3	99.9

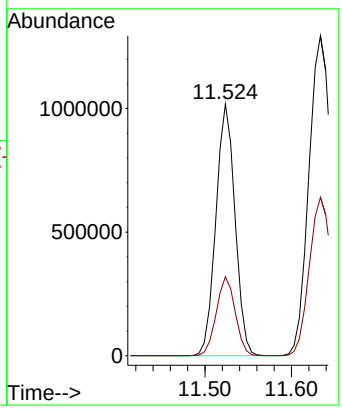




#67
Ethyl Benzene
Concen: 161.195 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 156065

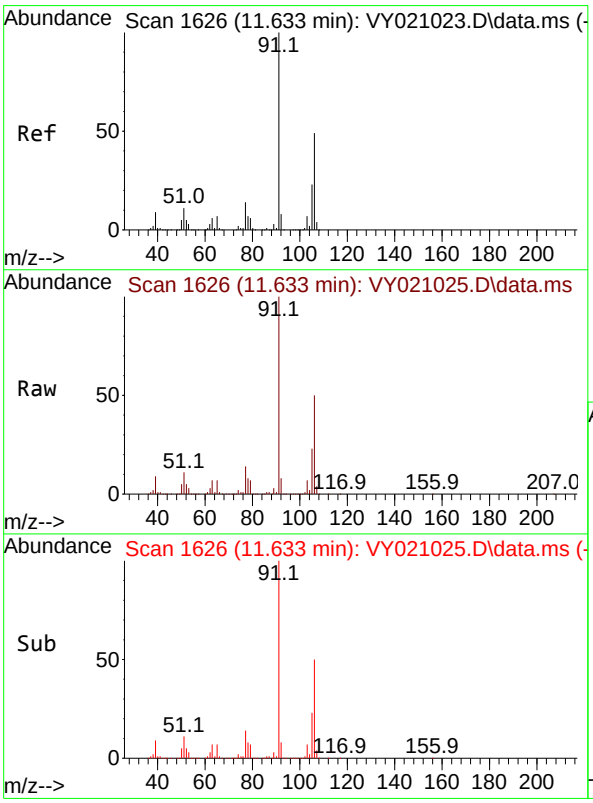
Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

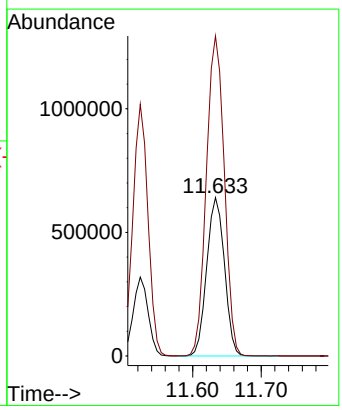
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

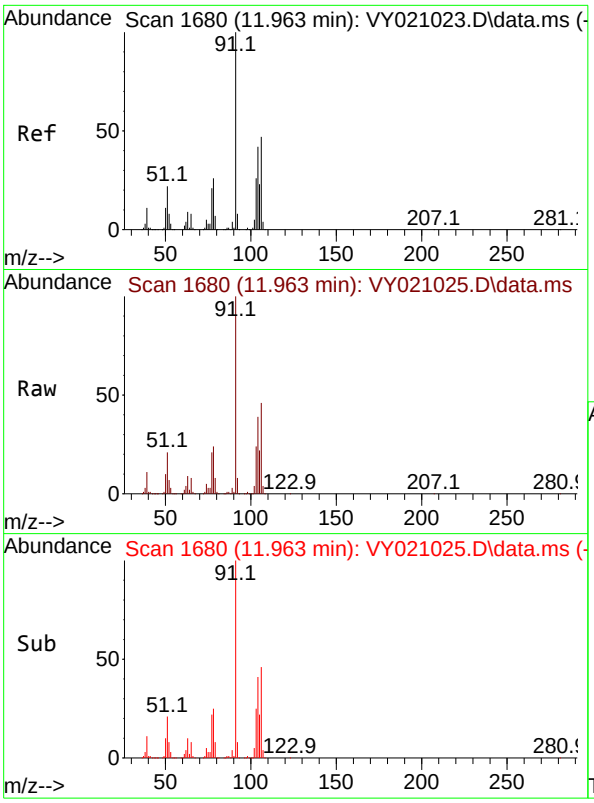


#68
m/p-Xylenes
Concen: 314.841 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:106 Resp: 1152452

Ion	Ratio	Lower	Upper
106	100		
91	204.9	160.7	241.1





#69
o-Xylene
Concen: 163.662 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

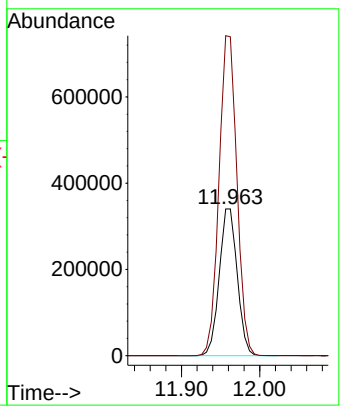
Tgt Ion:106 Resp: 54342

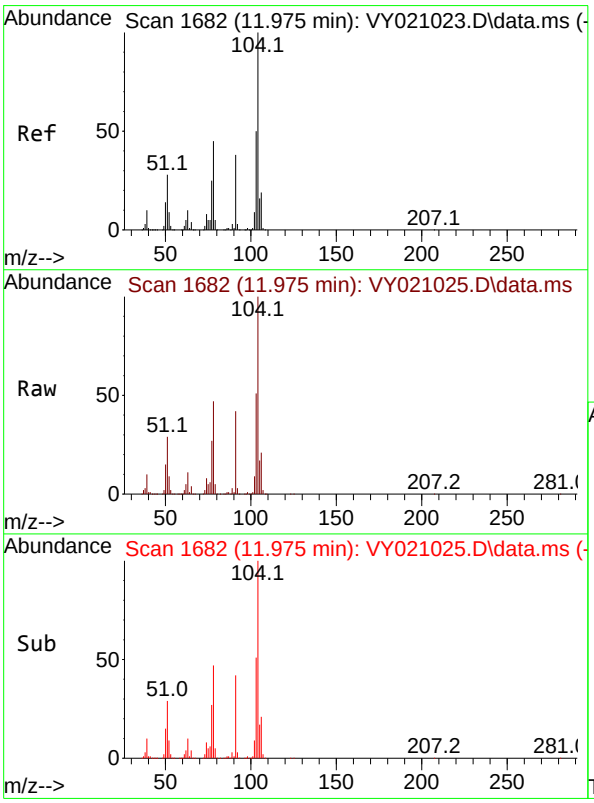
Ion	Ratio	Lower	Upper
106	100		
91	217.3	106.5	319.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

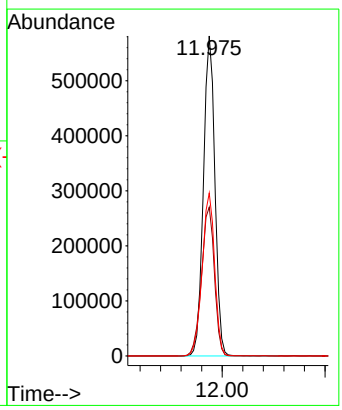


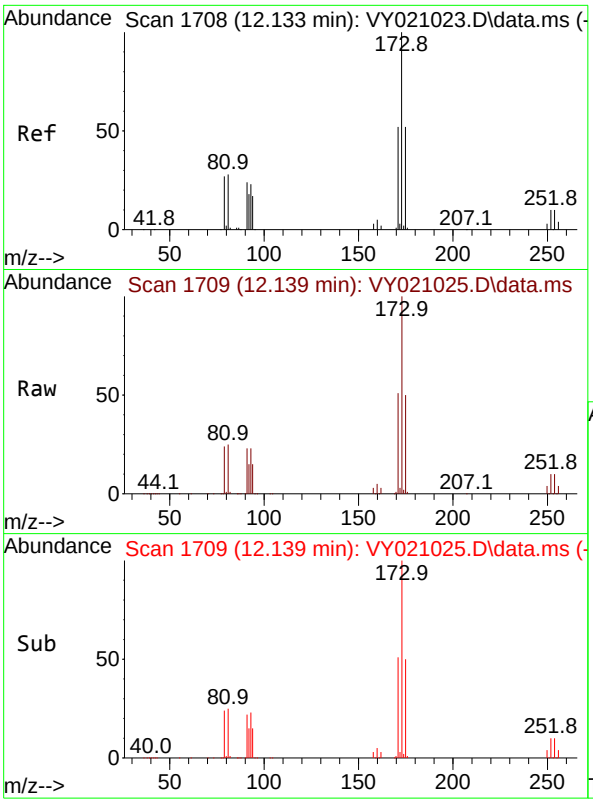


#70
Styrene
Concen: 172.776 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:104 Resp: 900989

Ion	Ratio	Lower	Upper
104	100		
78	52.1	39.2	58.8
103	55.3	43.8	65.6

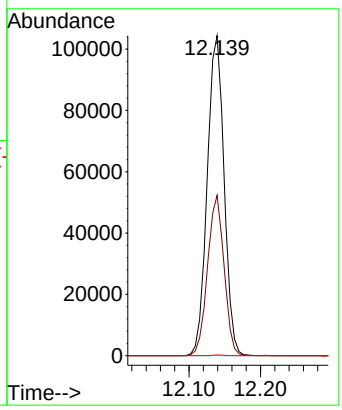




#71
Bromoform
Concen: 181.883 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:173 Resp: 17092

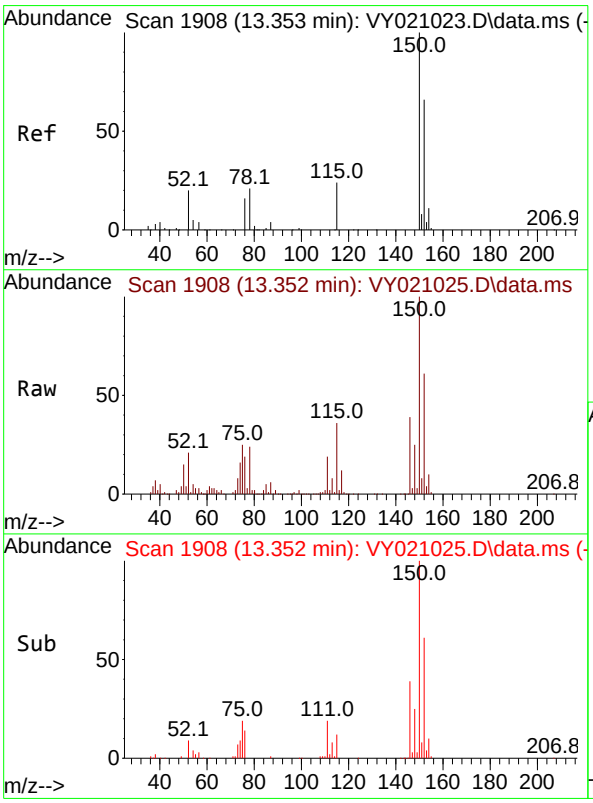
Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.5	70.6
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

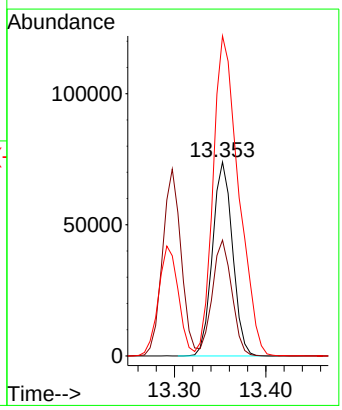
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

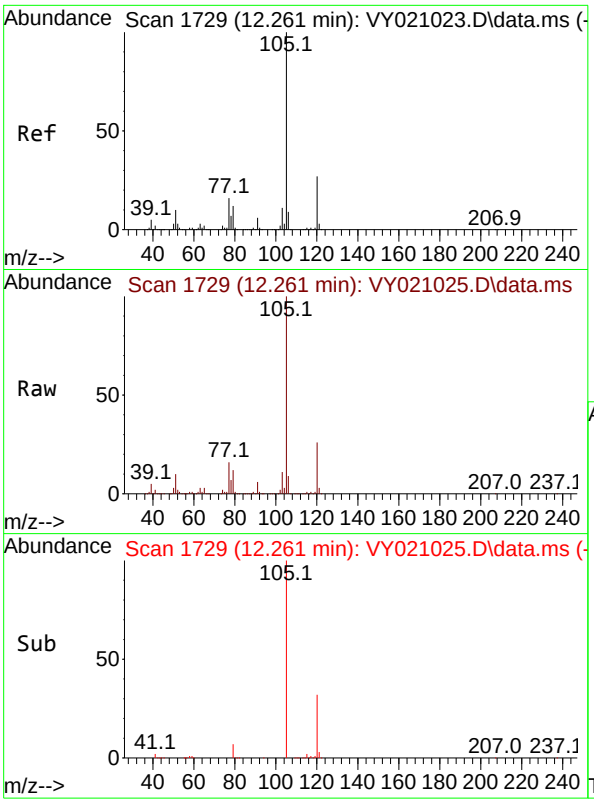


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:152 Resp: 112575

Ion	Ratio	Lower	Upper
152	100		
115	57.8	30.0	90.0
150	210.4	0.0	344.6

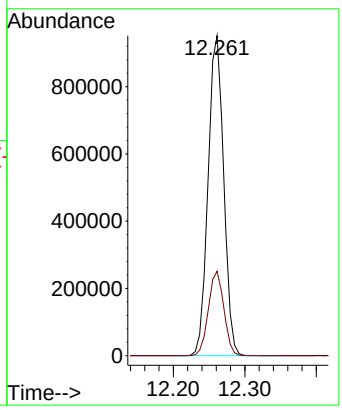




#73
Isopropylbenzene
Concen: 154.780 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 143964

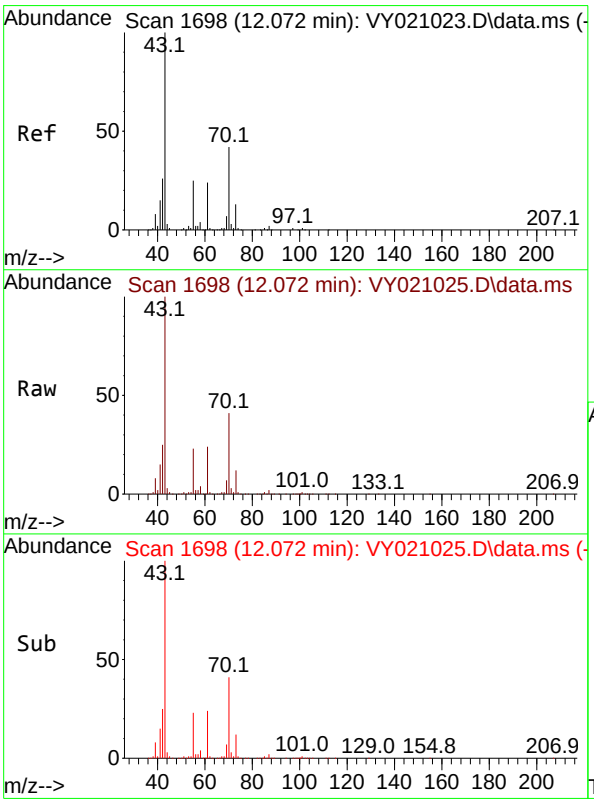
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

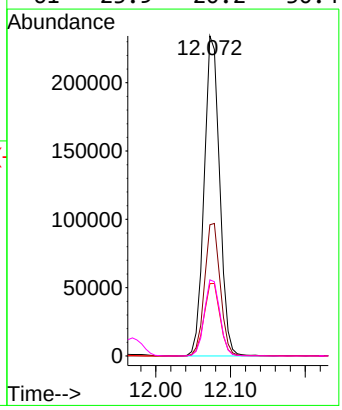
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

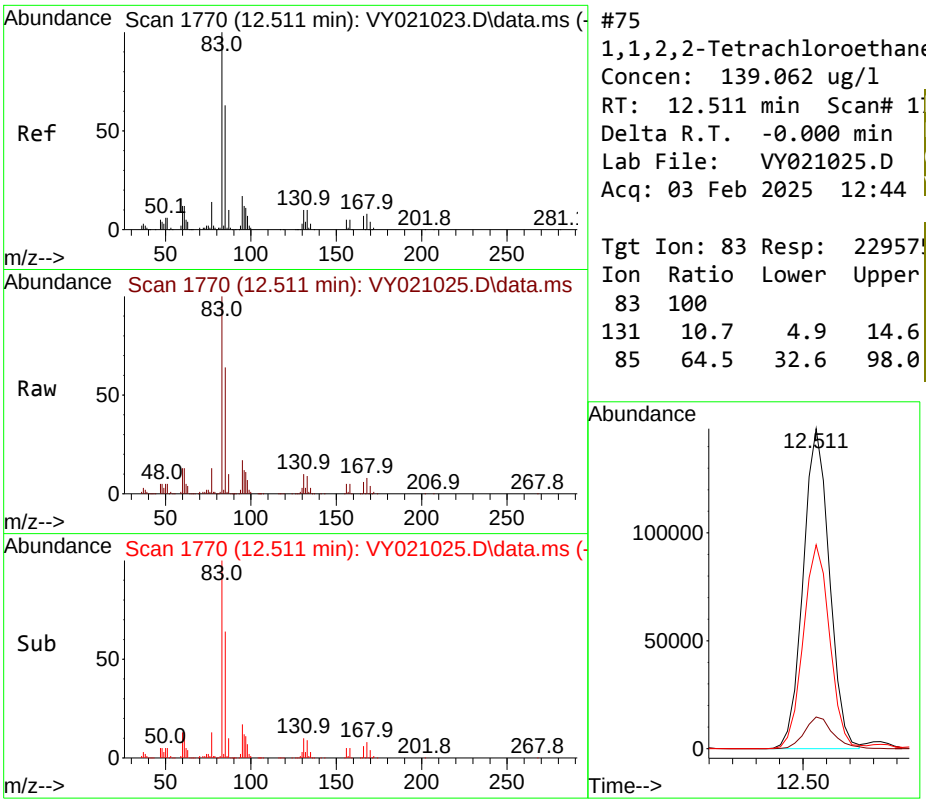


#74
N-amyl acetate
Concen: 180.383 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 337562

Ion	Ratio	Lower	Upper
43	100		
70	41.9	36.6	55.0
55	23.4	22.2	33.4
61	23.9	20.2	30.4





#75
1,1,2,2-Tetrachloroethane
Concen: 139.062 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

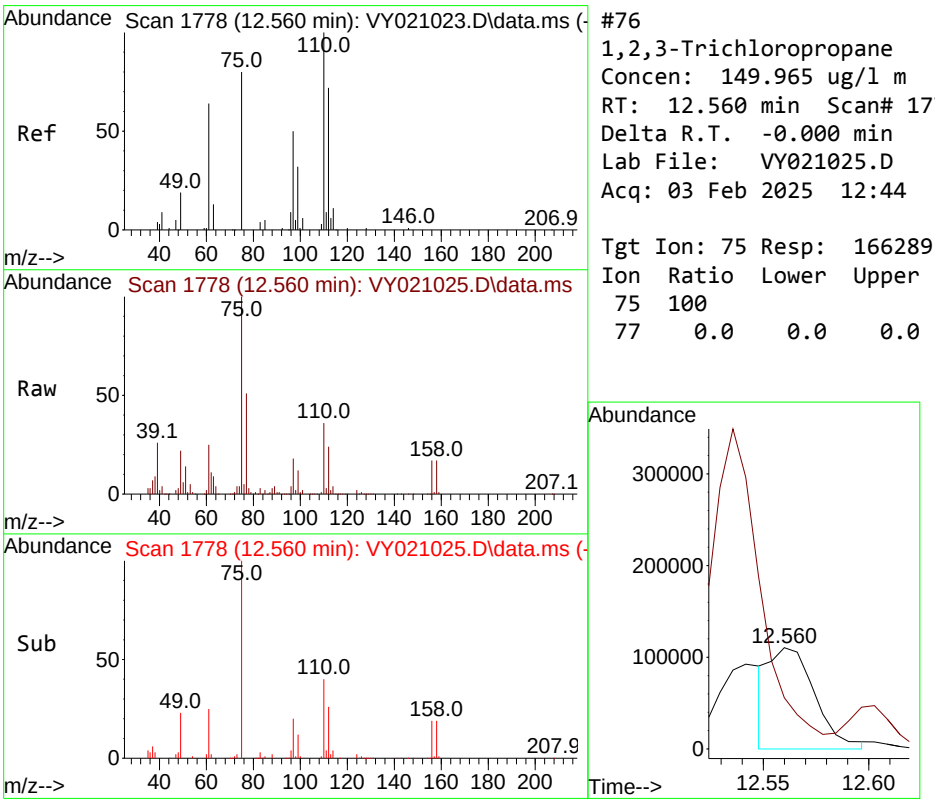
Tgt Ion: 83 Resp: 22957

Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.6
85	64.5	32.6	98.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

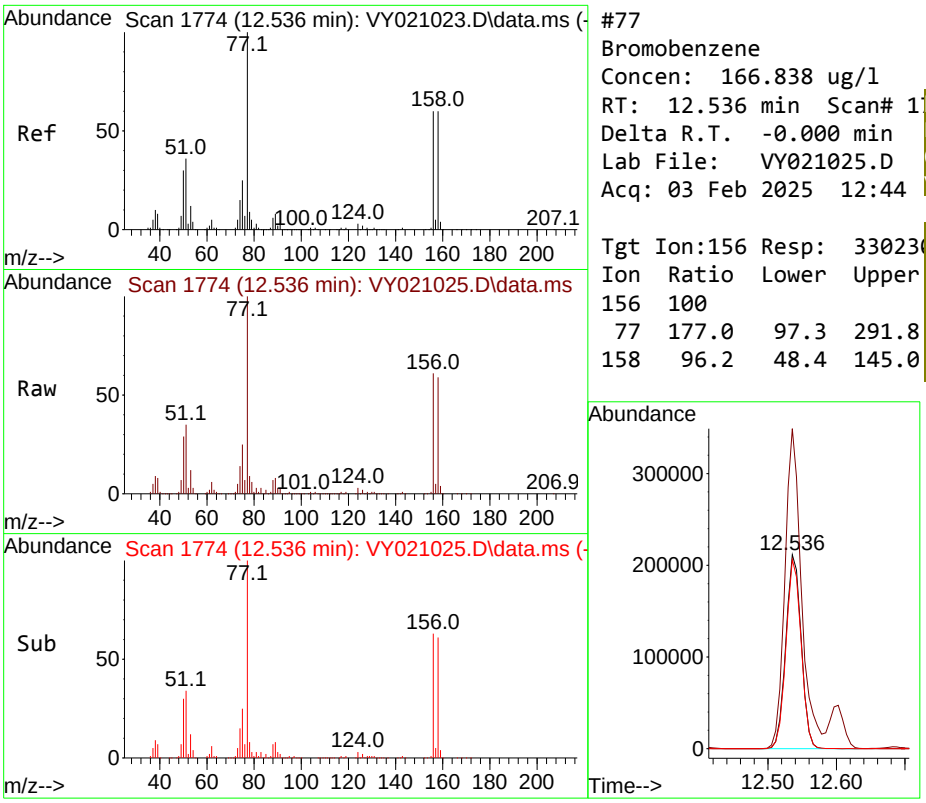
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#76
1,2,3-Trichloropropane
Concen: 149.965 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 166289

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 166.838 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

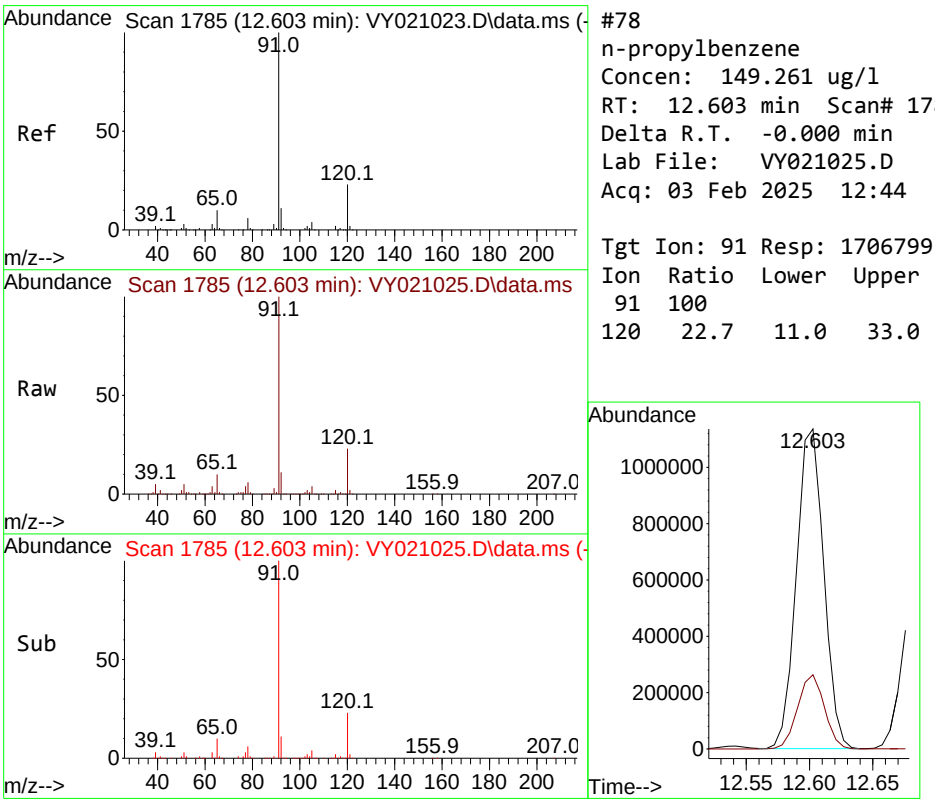
Tgt Ion:156 Resp: 33023

Ion	Ratio	Lower	Upper
156	100		
77	177.0	97.3	291.8
158	96.2	48.4	145.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

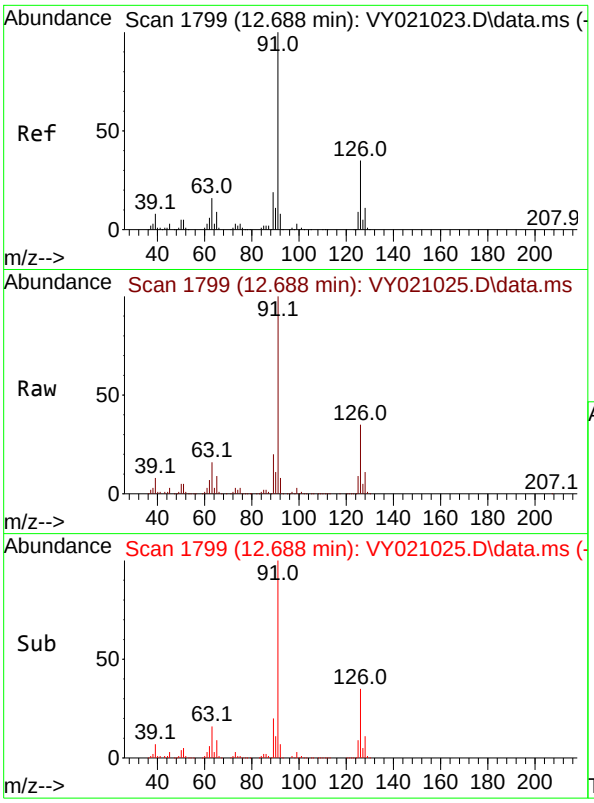
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#78
n-propylbenzene
Concen: 149.261 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 1706799

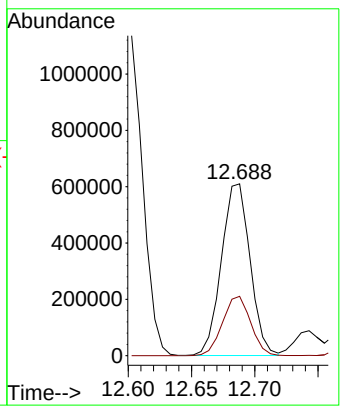
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.0	33.0



#79
2-Chlorotoluene
Concen: 153.047 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 96167

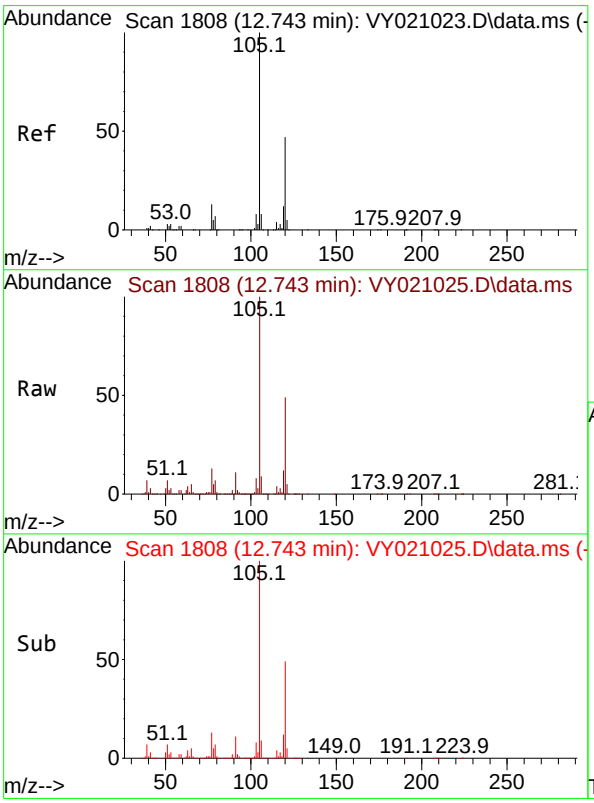
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

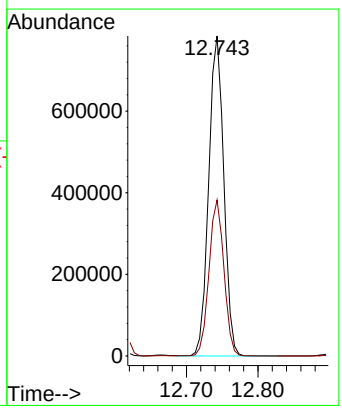
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

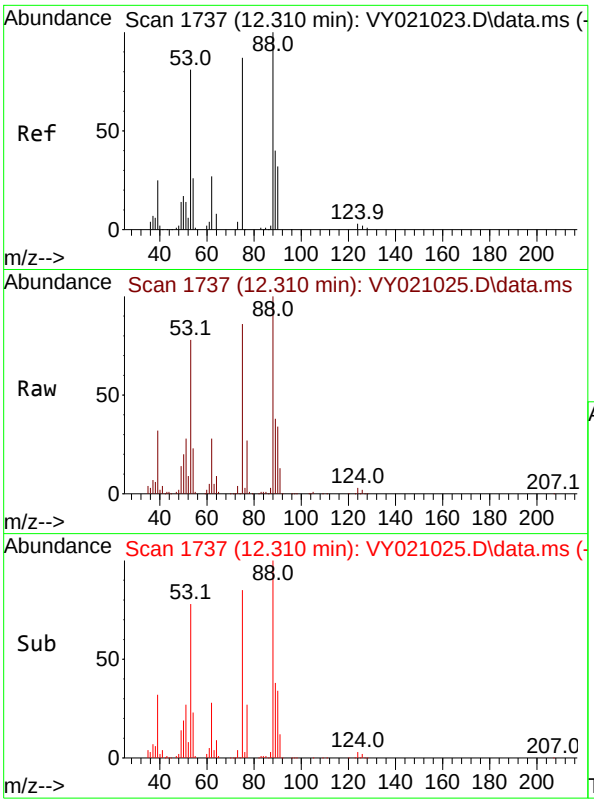


#80
1,3,5-Trimethylbenzene
Concen: 156.334 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 1146647

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 165.703 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

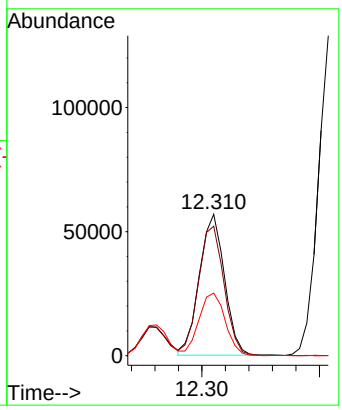
Tgt Ion: 75 Resp: 8450

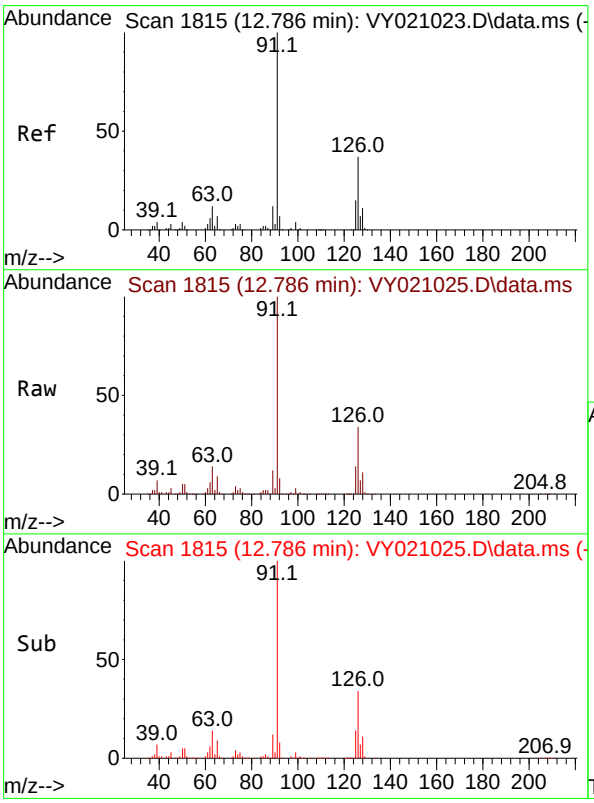
Ion	Ratio	Lower	Upper
75	100		
53	94.3	74.0	111.0
89	46.7	36.5	54.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

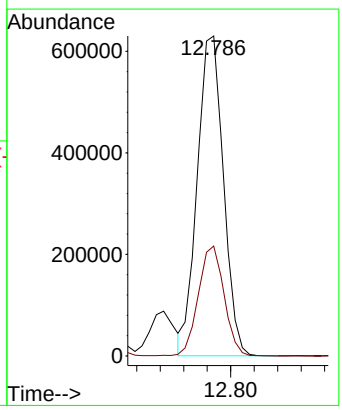


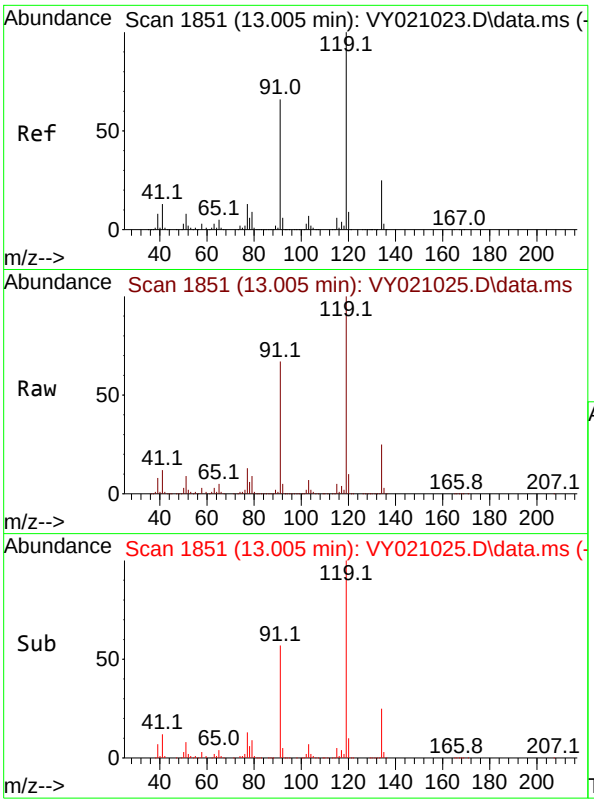


#82
4-Chlorotoluene
Concen: 151.120 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 973177

Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.1	51.2

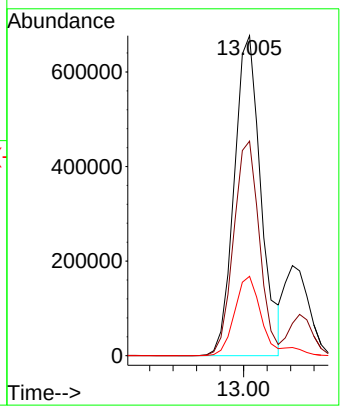




#83
tert-Butylbenzene
Concen: 164.670 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:119 Resp: 106714

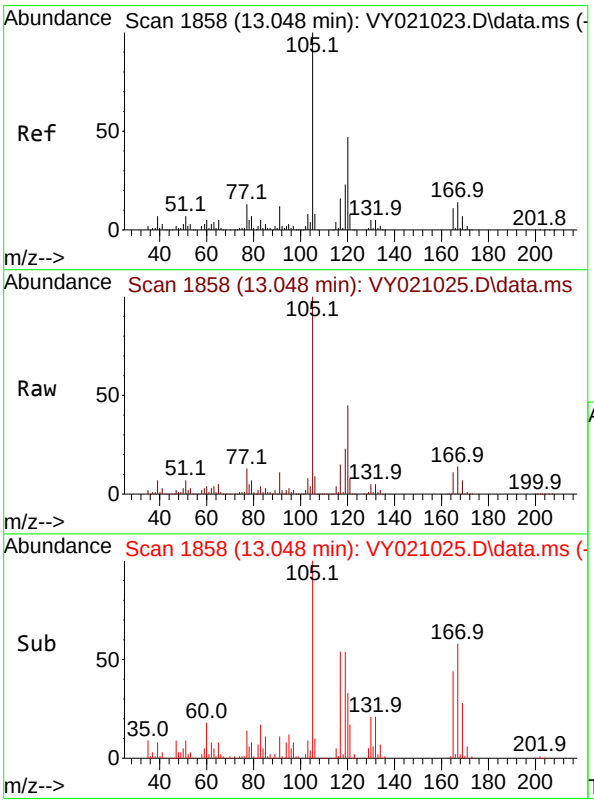
Ion	Ratio	Lower	Upper
119	100		
91	65.0	31.5	94.5
134	26.0	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

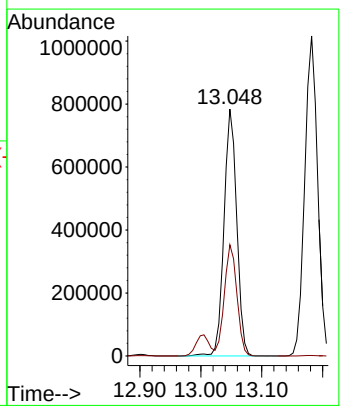
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

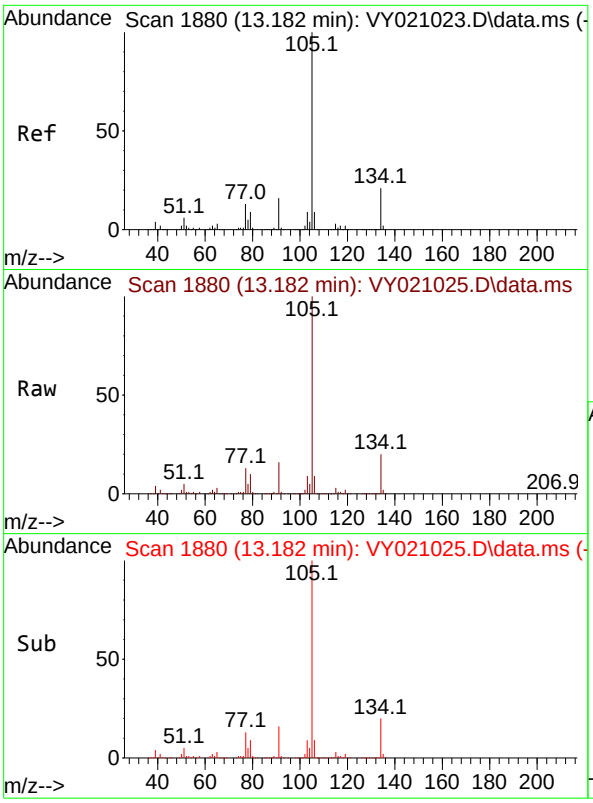


#84
1,2,4-Trimethylbenzene
Concen: 157.248 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 1138490

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.3

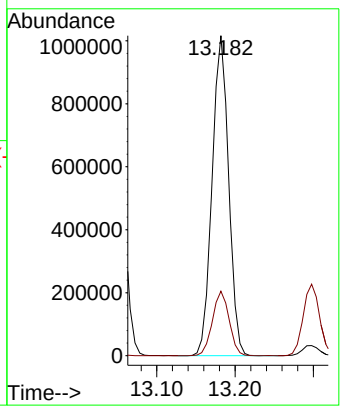




#85
sec-Butylbenzene
Concen: 152.184 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 149023

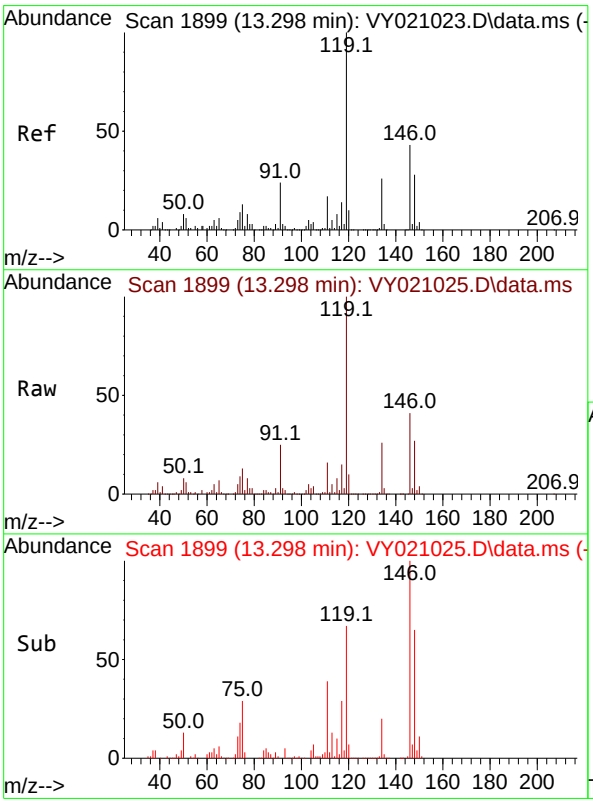
Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

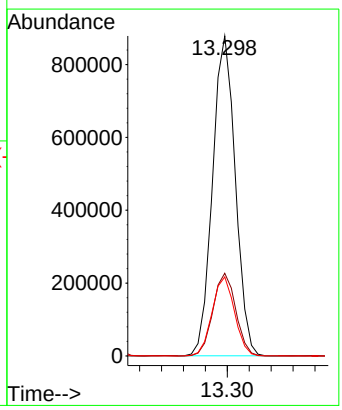
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

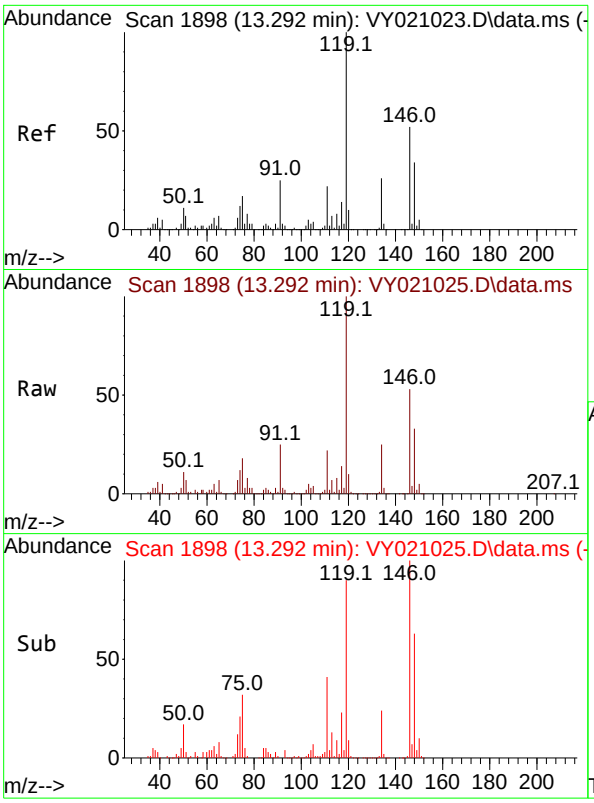


#86
p-Isopropyltoluene
Concen: 159.829 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:119 Resp: 1267584

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	24.4	11.7	35.0

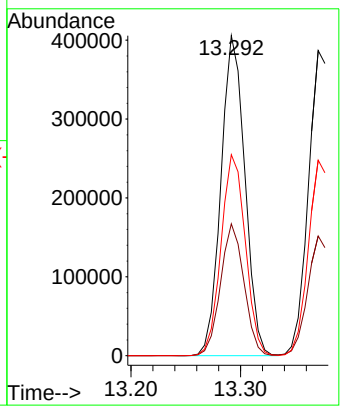




#87
1,3-Dichlorobenzene
Concen: 153.896 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:146 Resp: 61594

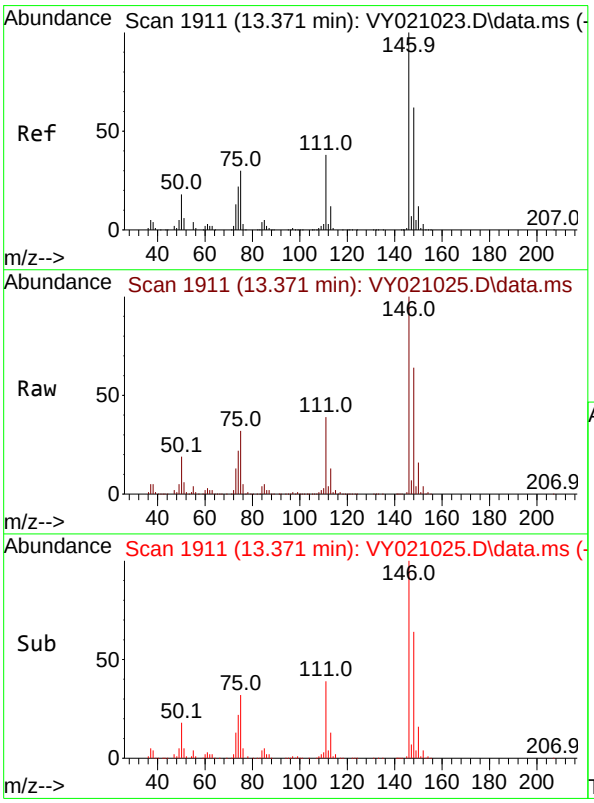
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.5
148	63.7	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

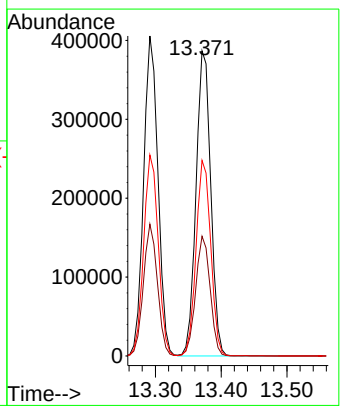
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

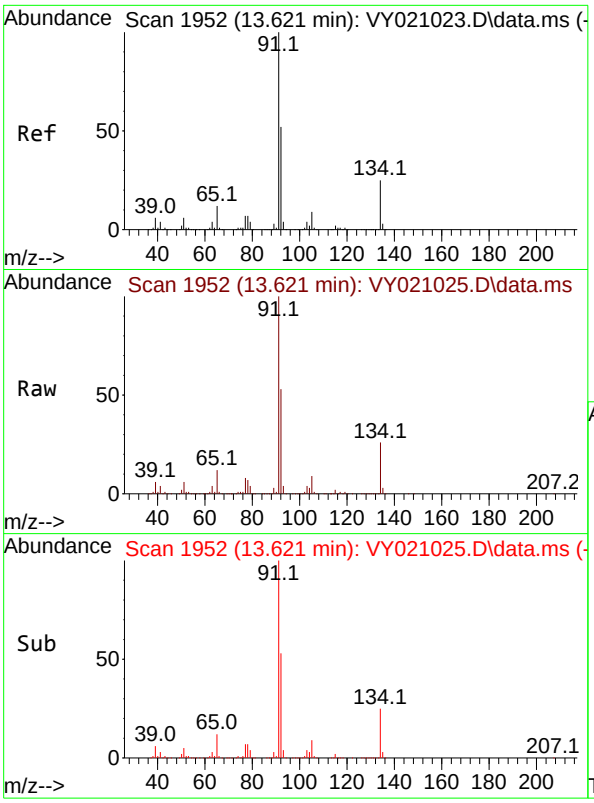


#88
1,4-Dichlorobenzene
Concen: 153.567 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:146 Resp: 600370

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	63.8	31.6	94.7

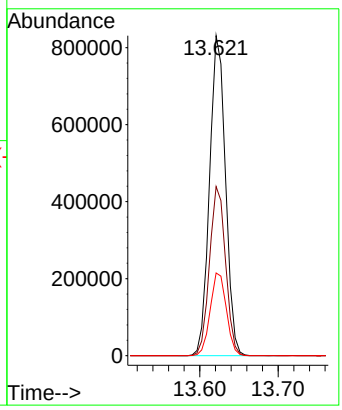




#89
n-Butylbenzene
Concen: 153.276 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 117276

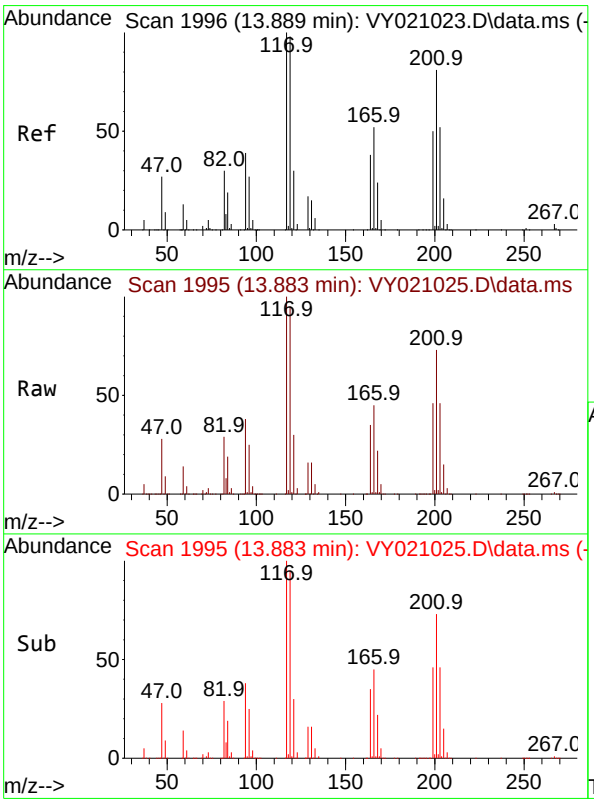
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	26.3	12.3	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

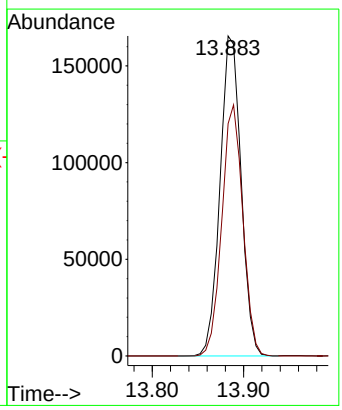
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

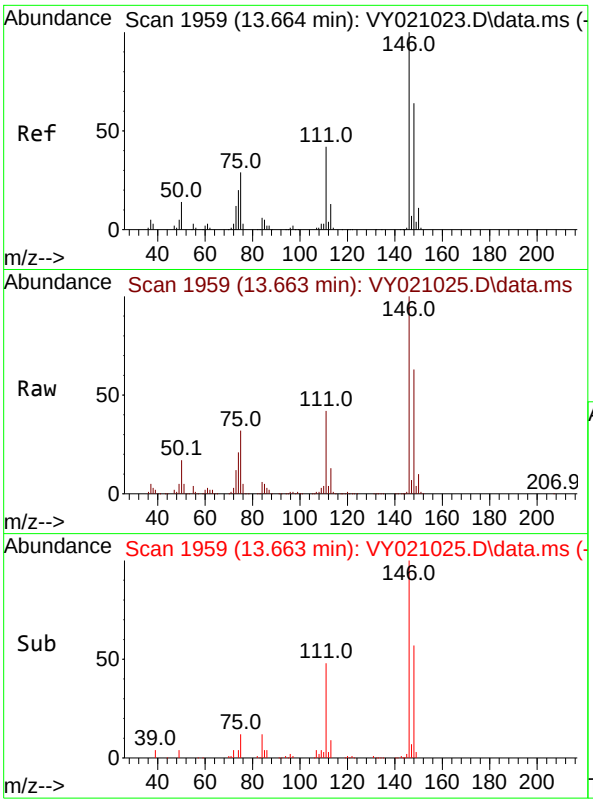


#90
Hexachloroethane
Concen: 160.566 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:117 Resp: 264877

Ion	Ratio	Lower	Upper
117	100		
201	78.2	33.4	100.1

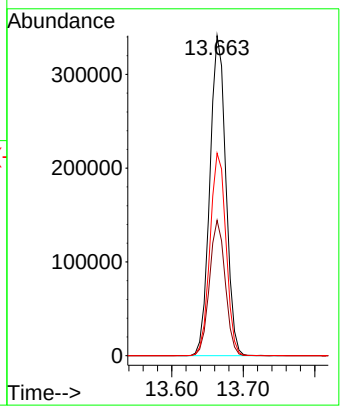




#91
1,2-Dichlorobenzene
Concen: 159.648 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:146 Resp: 52914

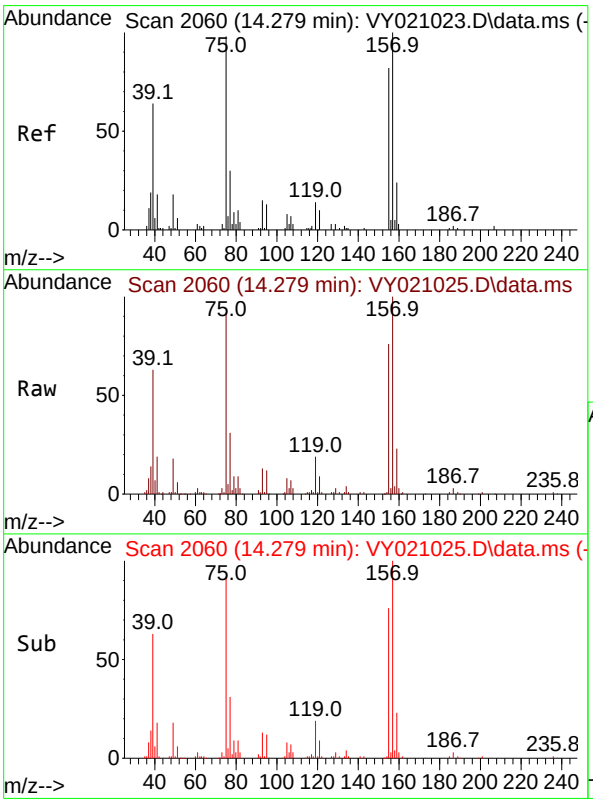
Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	63.4	31.4	94.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

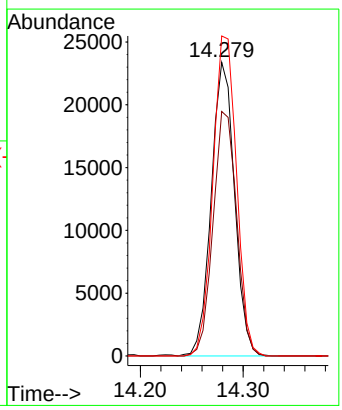
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

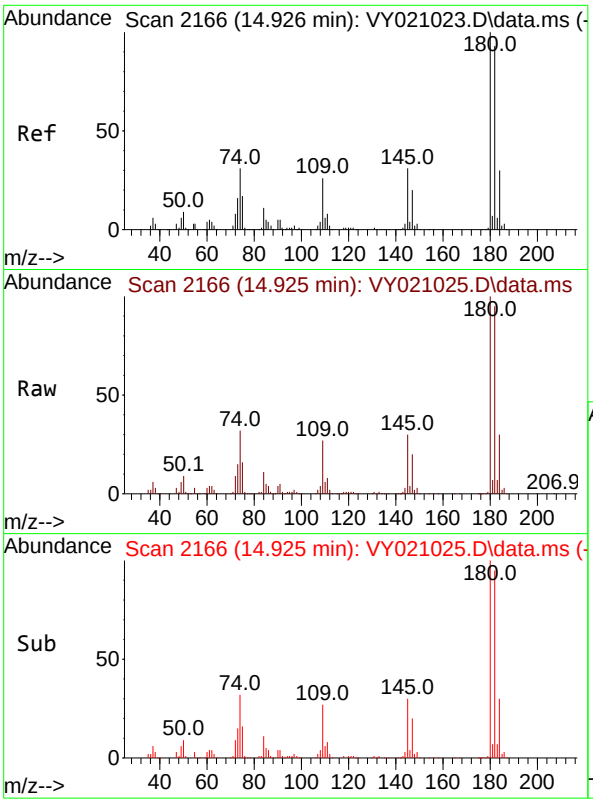


#92
1,2-Dibromo-3-Chloropropane
Concen: 173.904 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 36737

Ion	Ratio	Lower	Upper
75	100		
155	84.1	42.1	126.3
157	110.5	55.8	167.4

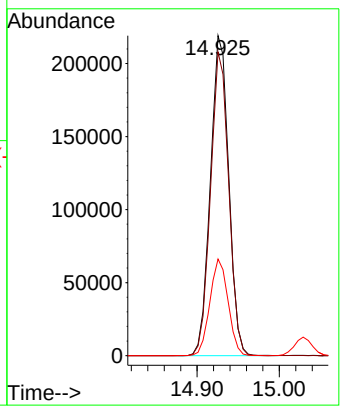




#93
1,2,4-Trichlorobenzene
Concen: 199.568 ug/l
RT: 14.925 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:180 Resp: 33895

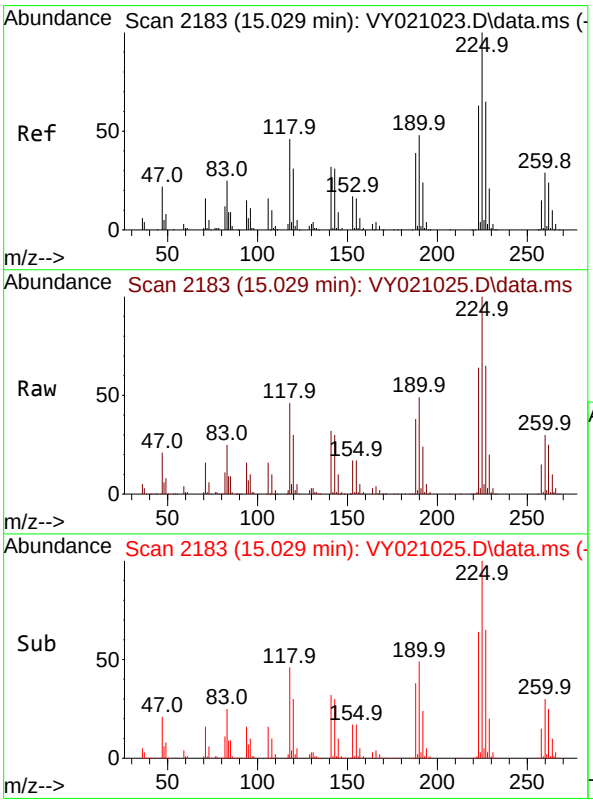
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.7
145	30.1	15.9	47.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

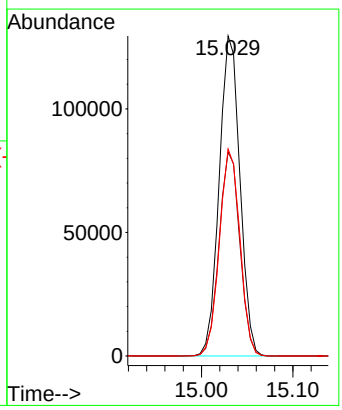
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

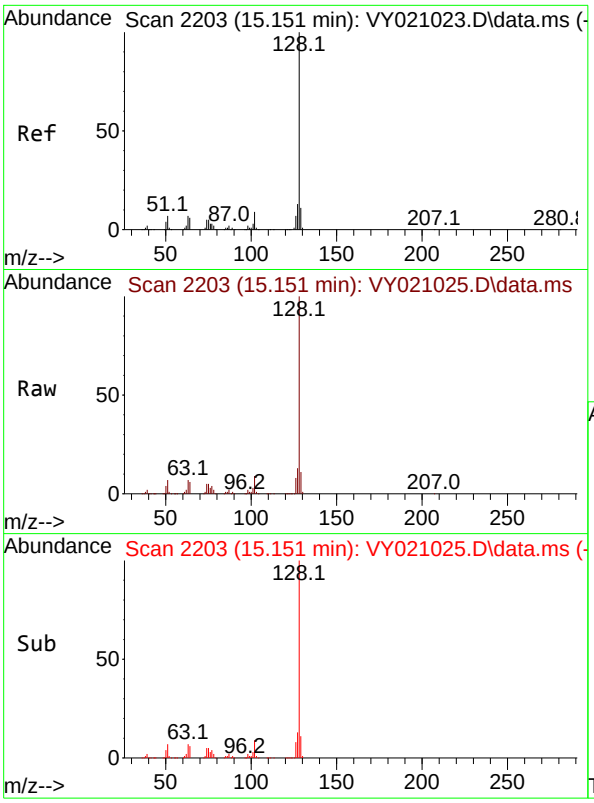


#94
Hexachlorobutadiene
Concen: 192.252 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:225 Resp: 204211

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.4	94.3
227	64.1	32.3	96.8

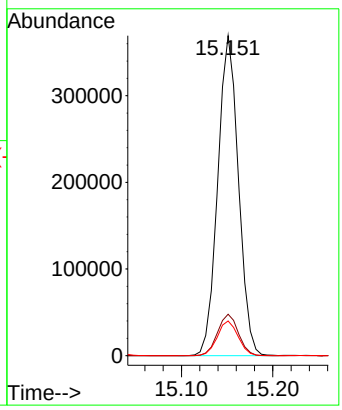




#95
Naphthalene
Concen: 199.946 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:128 Resp: 58199

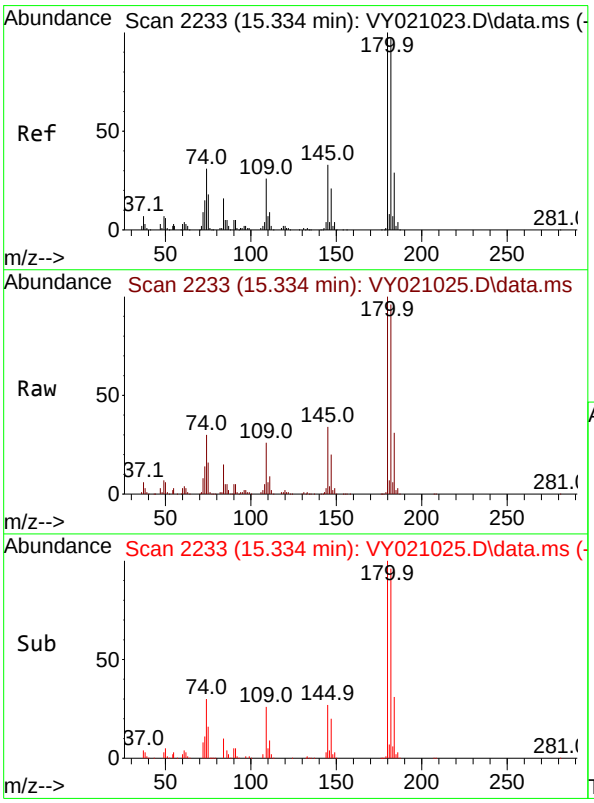
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.9	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

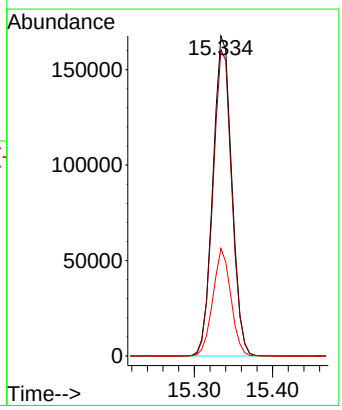
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 197.311 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:180 Resp: 280907

Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.3	138.8
145	31.9	16.1	48.2



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	186133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	280950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	237569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	112062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	104134	54.604	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.200%			
35) Dibromofluoromethane	7.640	113	104051	57.790	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.580%			
50) Toluene-d8	10.109	98	411045	59.966	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 119.940%			
62) 4-Bromofluorobenzene	12.407	95	131943	58.919	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86748	52.290	ug/l	98
3) Chloromethane	2.074	50	85135	52.006	ug/l	100
4) Vinyl Chloride	2.208	62	84130	51.058	ug/l	99
5) Bromomethane	2.598	94	53592	52.624	ug/l	94
6) Chloroethane	2.738	64	48969	49.925	ug/l	96
7) Trichlorofluoromethane	3.068	101	155690	51.864	ug/l	99
8) Diethyl Ether	3.458	74	43771	46.708	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	97040	51.507	ug/l	95
10) Methyl Iodide	4.013	142	102264	48.858	ug/l	95
11) Tert butyl alcohol	4.860	59	27677	214.161	ug/l	96
12) 1,1-Dichloroethene	3.793	96	91949	51.810	ug/l	92
13) Acrolein	3.653	56	46827	235.305	ug/l	100
14) Allyl chloride	4.391	41	151536	50.663	ug/l	96
15) Acrylonitrile	5.061	53	89881	230.328	ug/l	99
16) Acetone	3.866	43	72566	243.997	ug/l	96
17) Carbon Disulfide	4.110	76	289409	52.004	ug/l	99
18) Methyl Acetate	4.391	43	48057	46.031	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	213244	47.538	ug/l	100
20) Methylene Chloride	4.628	84	91358	49.414	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	98665	50.506	ug/l	94
22) Diisopropyl ether	6.024	45	304603	49.407	ug/l	98
23) Vinyl Acetate	5.964	43	819243	238.370	ug/l	100
24) 1,1-Dichloroethane	5.921	63	179904	49.806	ug/l	97
25) 2-Butanone	6.896	43	114117	233.503	ug/l	96
26) 2,2-Dichloropropane	6.890	77	169757	50.791	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	111947	49.785	ug/l	94
28) Bromochloromethane	7.250	49	78173	54.731	ug/l	99
29) Tetrahydrofuran	7.262	42	75445	228.139	ug/l	96
30) Chloroform	7.427	83	181229	48.846	ug/l	97
31) Cyclohexane	7.707	56	162806	50.051	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	174612	50.620	ug/l	99
36) 1,1-Dichloropropene	7.841	75	140344	52.625	ug/l	99
37) Ethyl Acetate	6.988	43	54994	47.006	ug/l	100
38) Carbon Tetrachloride	7.823	117	161137	51.711	ug/l	100
39) Methylcyclohexane	9.115	83	176554	54.123	ug/l	97
40) Benzene	8.085	78	399547	51.052	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	29193	43.131	ug/l		98
42) 1,2-Dichloroethane	8.164	62	104015	47.910	ug/l		97
43) Isopropyl Acetate	8.201	43	110476	47.523	ug/l		98
44) Trichloroethene	8.872	130	102671	50.777	ug/l		95
45) 1,2-Dichloropropane	9.146	63	92259	49.666	ug/l		99
46) Dibromomethane	9.237	93	48251	46.914	ug/l		95
47) Bromodichloromethane	9.426	83	134607	48.799	ug/l		99
48) Methyl methacrylate	9.225	41	52480	49.560	ug/l		93
49) 1,4-Dioxane	9.231	88	9588	1001.398	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	276605	236.615	ug/l		97
52) Toluene	10.176	92	251287	51.135	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	123718	49.950	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	148244	50.550	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	62357	46.820	ug/l		99
56) Ethyl methacrylate	10.444	69	87450	49.082	ug/l		93
57) 1,3-Dichloropropane	10.719	76	110606	47.980	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	213481	251.852	ug/l		99
59) 2-Hexanone	10.761	43	180455	239.750	ug/l		96
60) Dibromochloromethane	10.914	129	90009	48.123	ug/l		100
61) 1,2-Dibromoethane	11.017	107	59039	47.325	ug/l		100
64) Tetrachloroethene	10.652	164	92493	52.446	ug/l		95
65) Chlorobenzene	11.444	112	268544	50.766	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.523	131	94662	50.356	ug/l		98
67) Ethyl Benzene	11.523	91	492537	52.642	ug/l		99
68) m/p-Xylenes	11.633	106	367445	104.978	ug/l		98
69) o-Xylene	11.956	106	169897	52.062	ug/l		96
70) Styrene	11.975	104	282879	52.009	ug/l		99
71) Bromoform	12.133	173	50400	48.166	ug/l	#	99
73) Isopropylbenzene	12.255	105	467245	53.377	ug/l		99
74) N-amyl acetate	12.072	43	94701	49.483	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	68636	47.145	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	47988m	47.207	ug/l		
77) Bromobenzene	12.536	156	101991	50.490	ug/l		93
78) n-propylbenzene	12.596	91	558013	53.513	ug/l		98
79) 2-Chlorotoluene	12.682	91	310097	51.922	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	375018	52.840	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	24332	48.841	ug/l		98
82) 4-Chlorotoluene	12.779	91	313949	51.594	ug/l		100
83) tert-Butylbenzene	13.005	119	348046	53.952	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	370353	53.370	ug/l		99
85) sec-Butylbenzene	13.182	105	494957	53.301	ug/l		98
86) p-Isopropyltoluene	13.298	119	411332	53.325	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	198405	50.868	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	193207	50.309	ug/l		99
89) n-Butylbenzene	13.621	91	384473	54.636	ug/l		99
90) Hexachloroethane	13.883	117	82908	51.521	ug/l		84
91) 1,2-Dichlorobenzene	13.663	146	168238	49.696	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	10000	45.965	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	98409	52.224	ug/l		99
94) Hexachlorobutadiene	15.029	225	65883	52.760	ug/l		99
95) Naphthalene	15.151	128	154493	51.245	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	79793	50.882	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

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

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

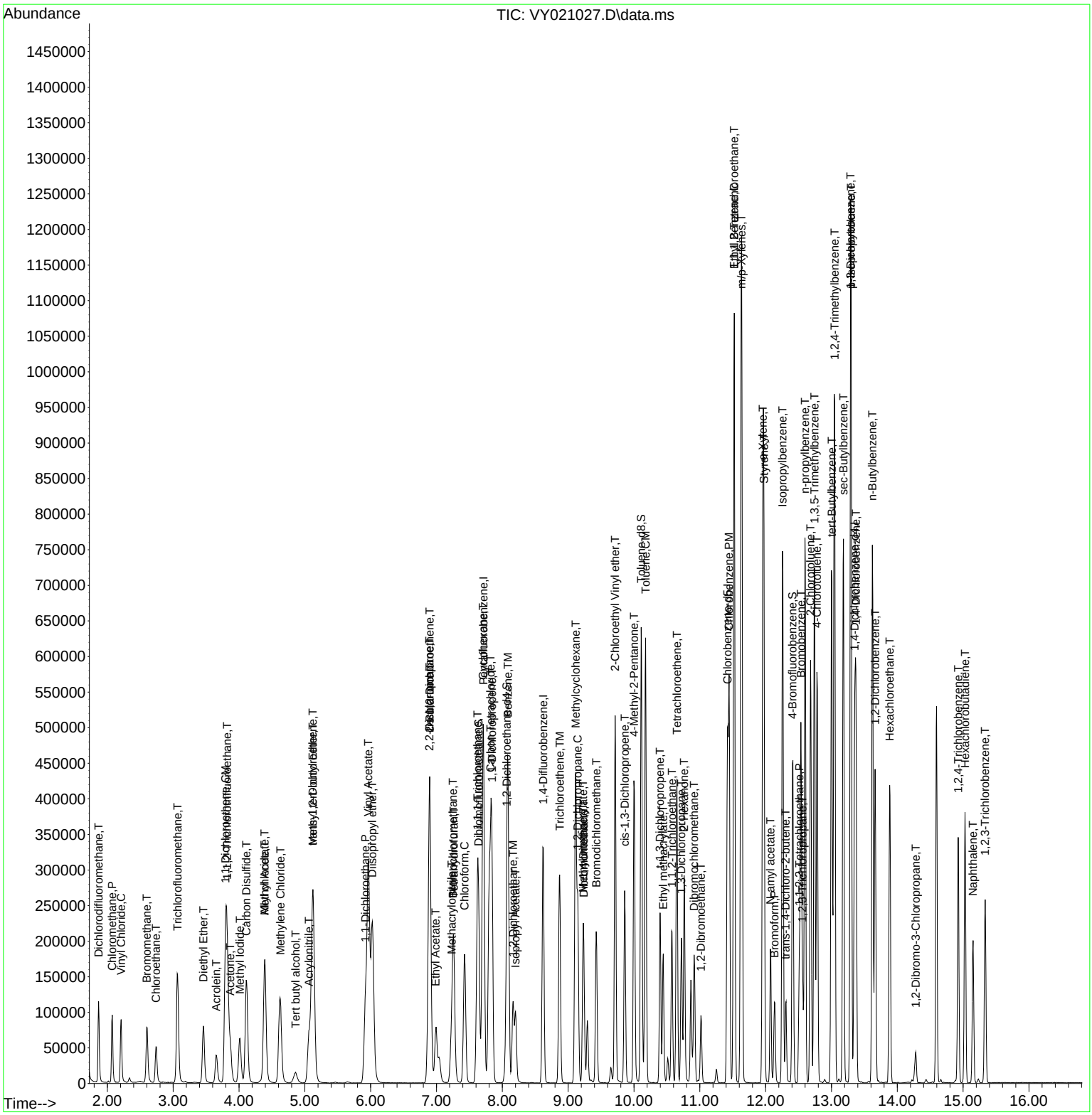
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Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

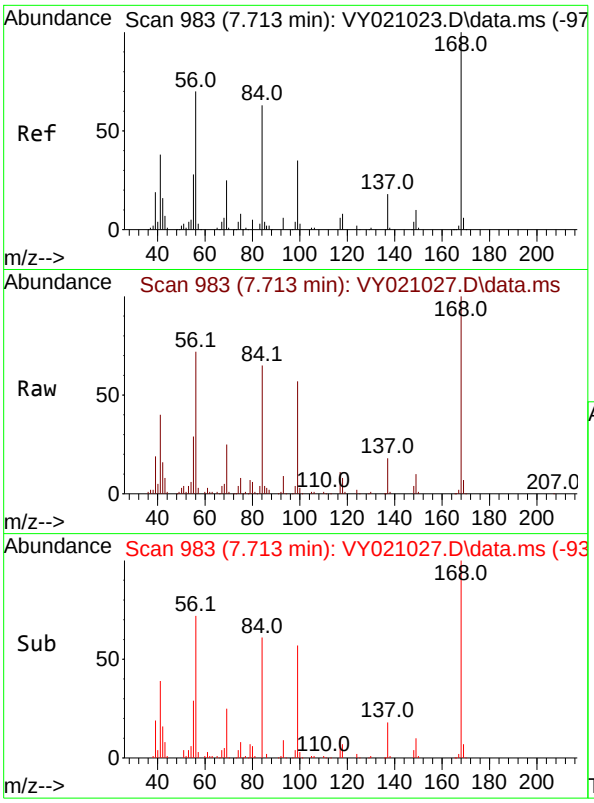
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Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

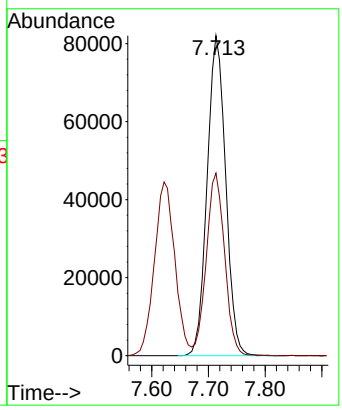




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:168 Resp: 18613

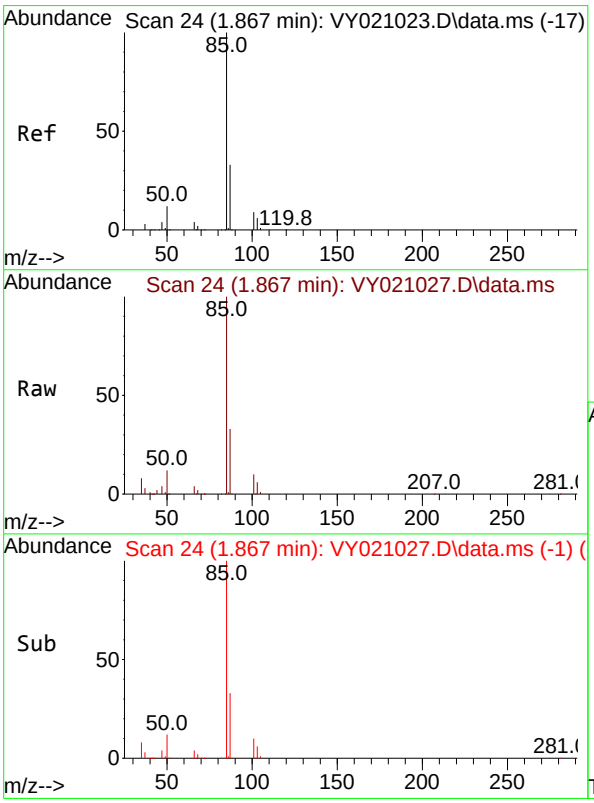
Ion	Ratio	Lower	Upper
168	100		
99	57.0	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

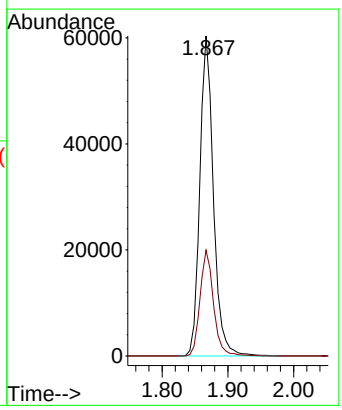
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

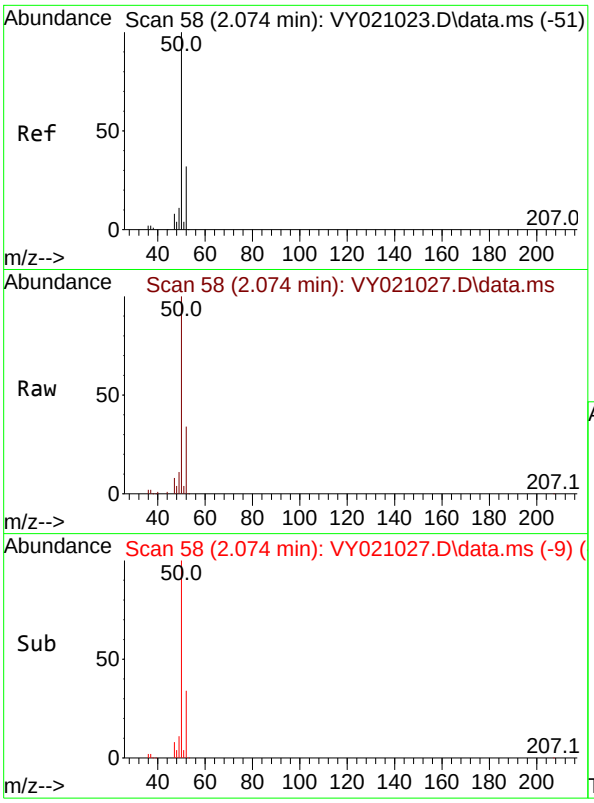


#2
Dichlorodifluoromethane
Concen: 52.290 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 85 Resp: 86748

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.1	51.3

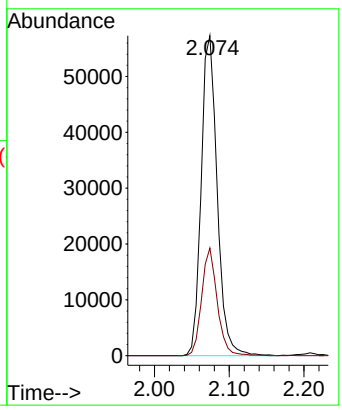




#3
Chloromethane
Concen: 52.006 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 50 Resp: 8513

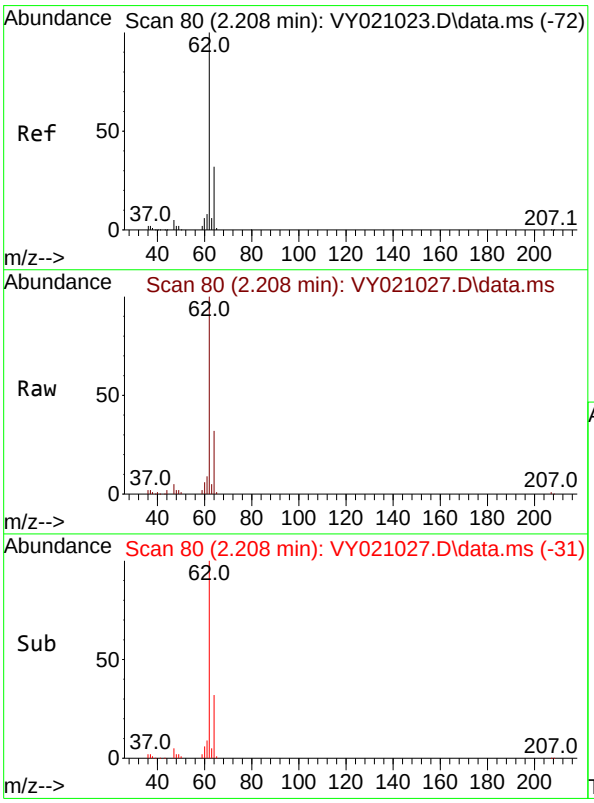
Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

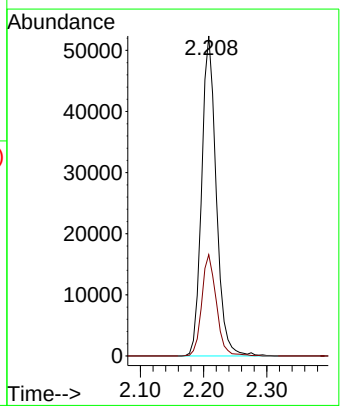
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

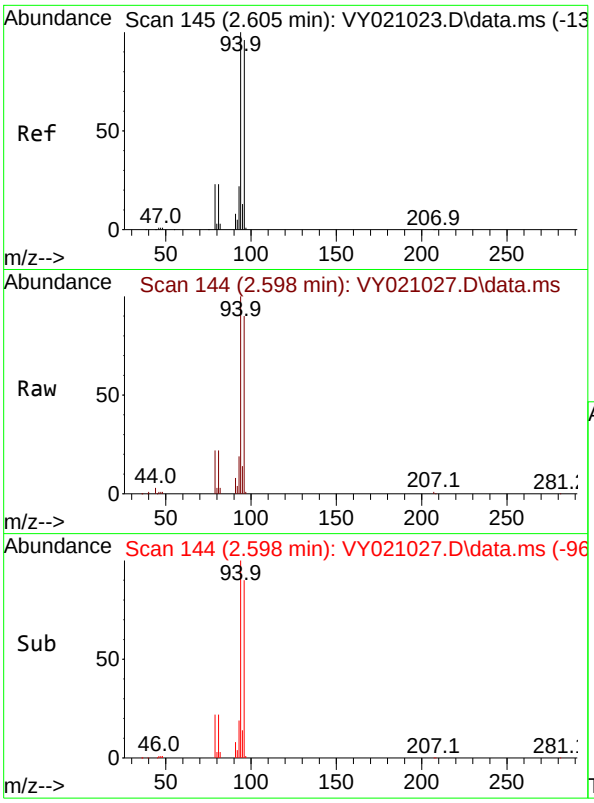


#4
Vinyl Chloride
Concen: 51.058 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 62 Resp: 84130

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.7	38.5





#5
Bromomethane
Concen: 52.624 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

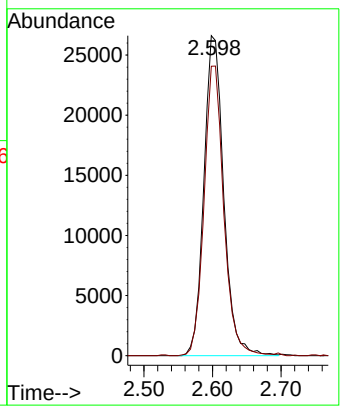
Tgt Ion: 94 Resp: 5359

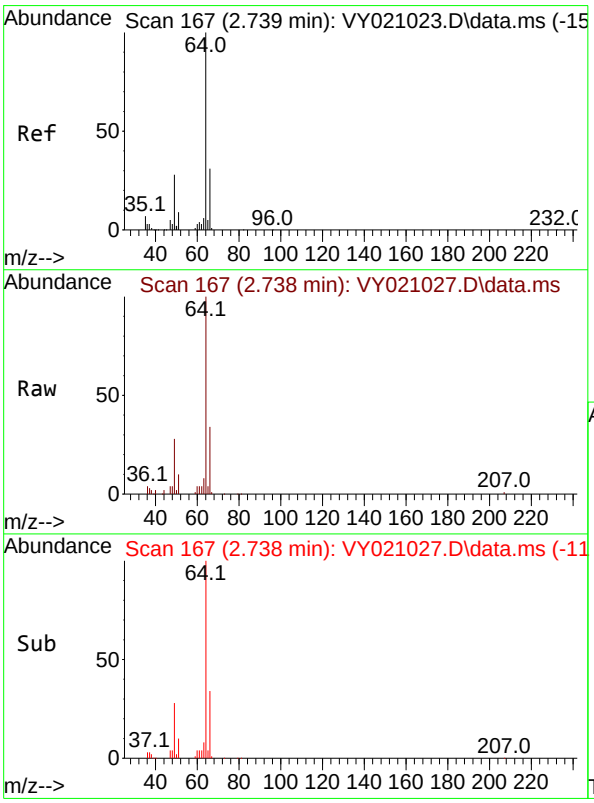
Ion	Ratio	Lower	Upper
94	100		
96	90.5	77.3	115.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

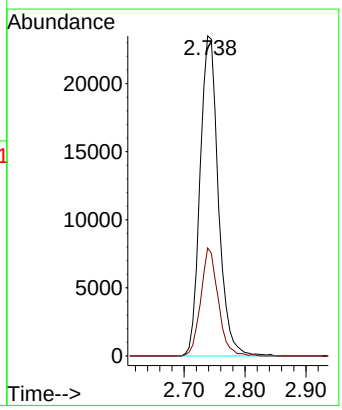


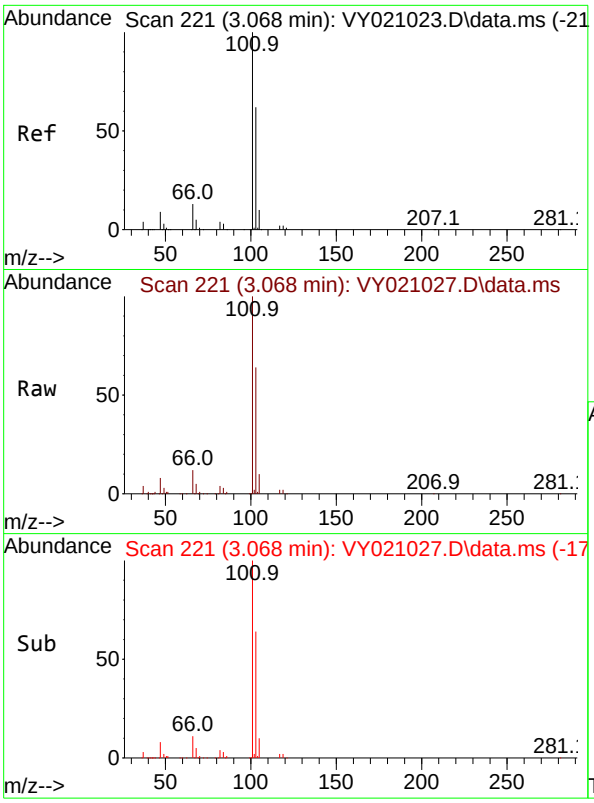


#6
Chloroethane
Concen: 49.925 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 64 Resp: 48969

Ion	Ratio	Lower	Upper
64	100		
66	33.8	25.1	37.7

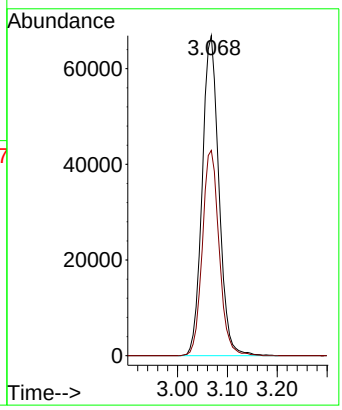




#7
Trichlorofluoromethane
Concen: 51.864 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:101 Resp: 15569

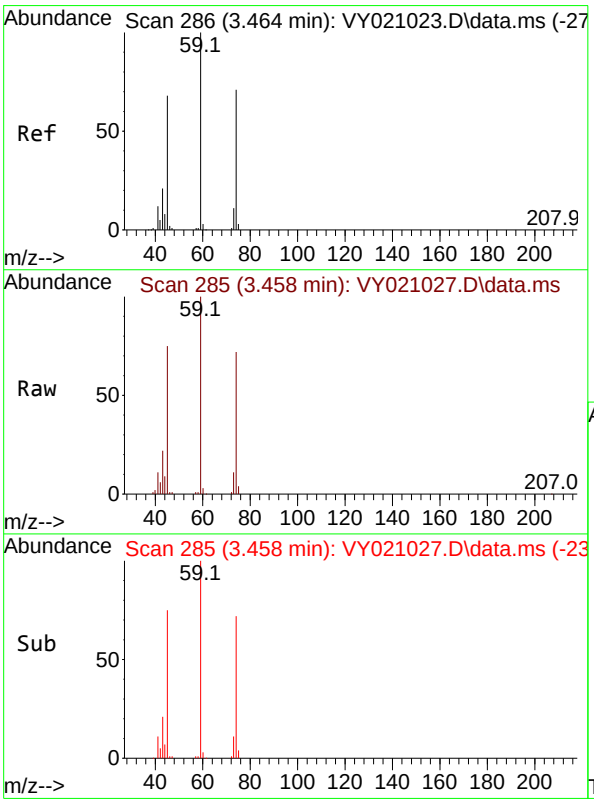
Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

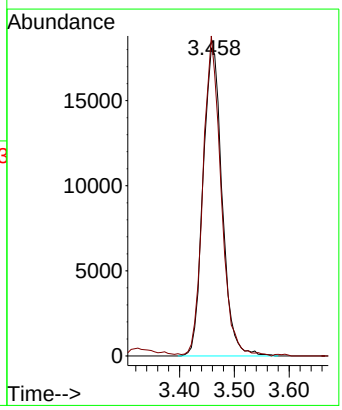
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

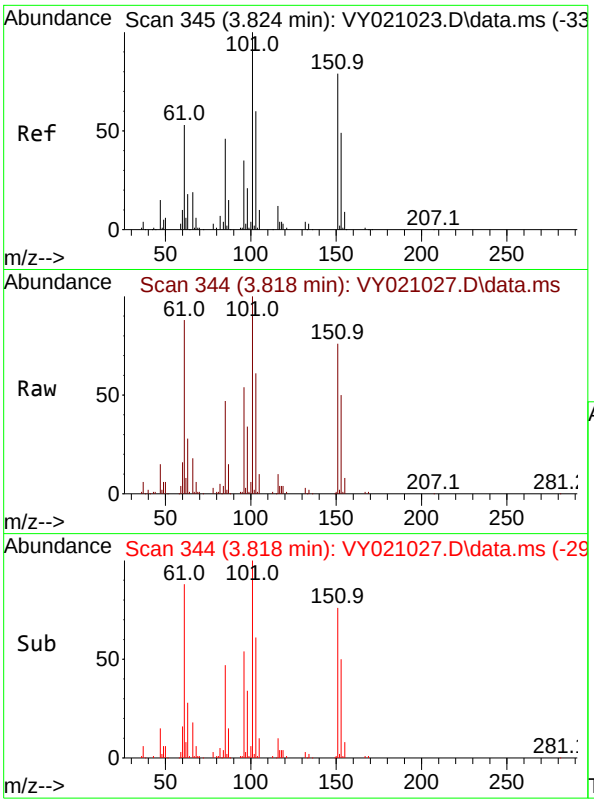


#8
Diethyl Ether
Concen: 46.708 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 74 Resp: 43771

Ion	Ratio	Lower	Upper
74	100		
45	98.4	47.9	143.7

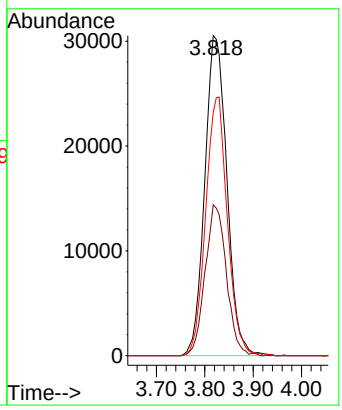




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.507 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:101 Resp: 9704

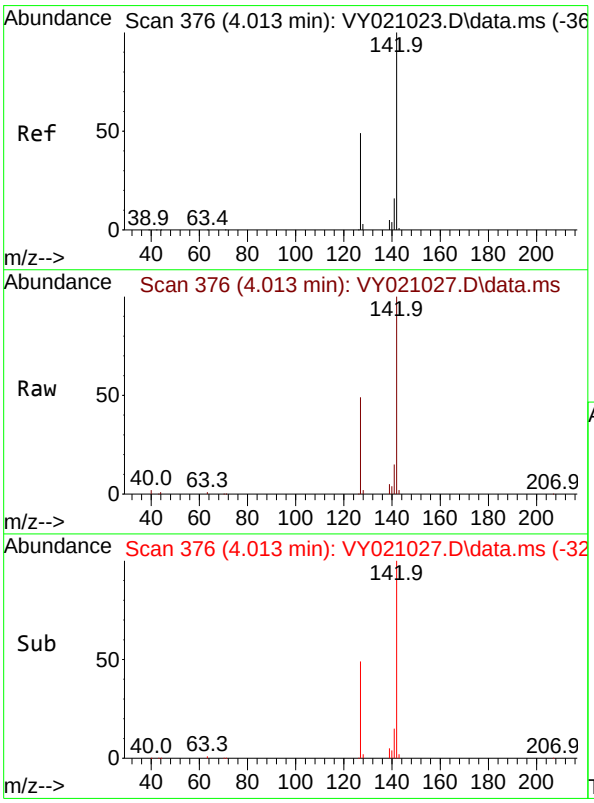
Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.8	53.6
151	79.3	58.6	88.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

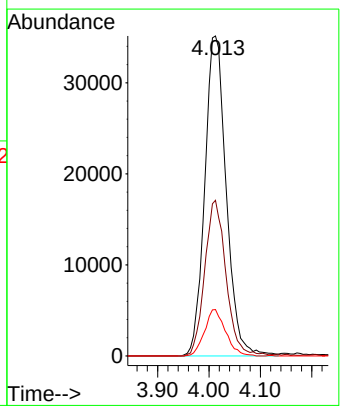
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

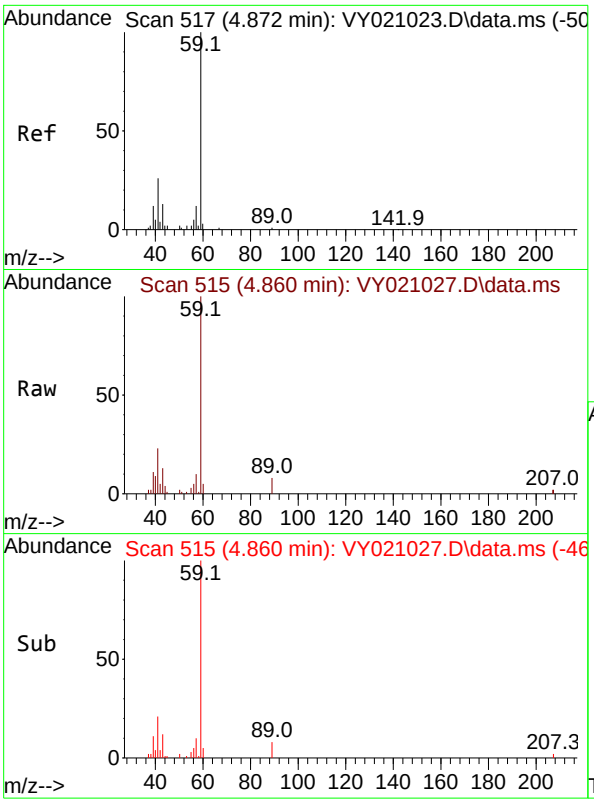


#10
Methyl Iodide
Concen: 48.858 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:142 Resp: 102264

Ion	Ratio	Lower	Upper
142	100		
127	48.1	35.1	52.7
141	14.2	11.8	17.6

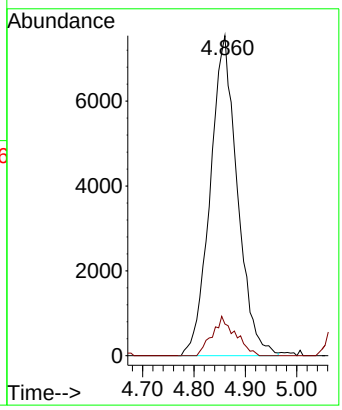




#11
Tert butyl alcohol
Concen: 214.161 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 59 Resp: 2767

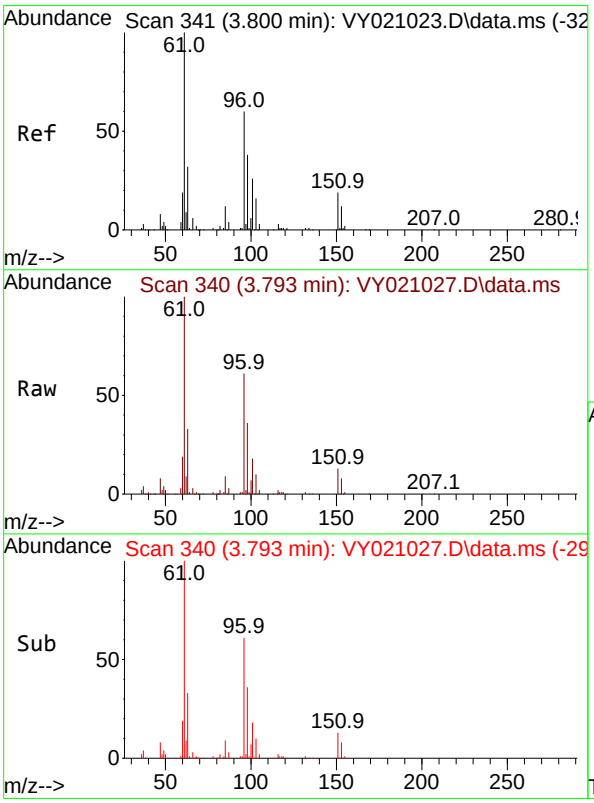
Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

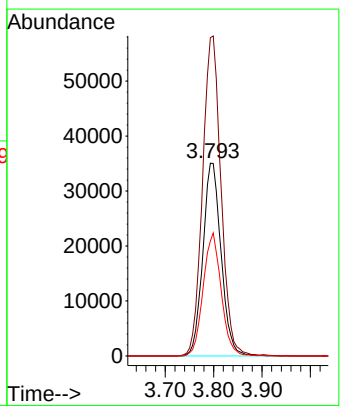
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

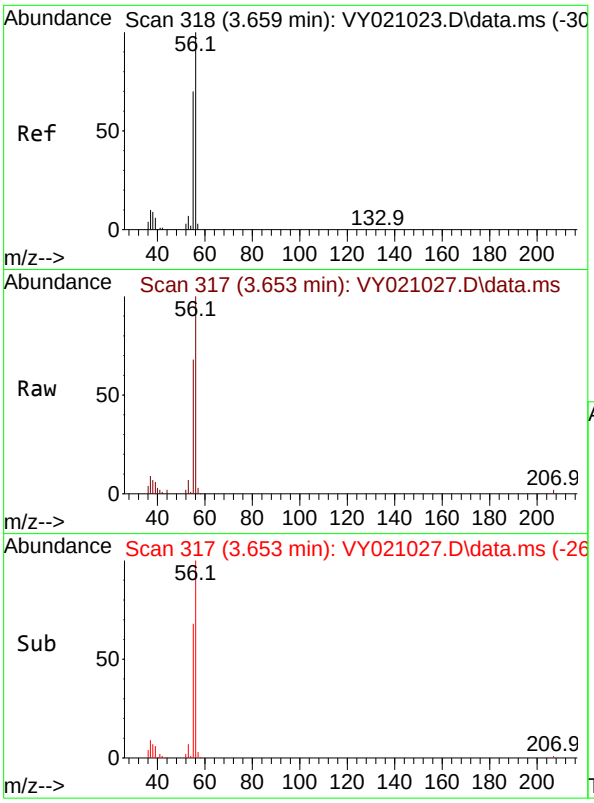


#12
1,1-Dichloroethene
Concen: 51.810 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 96 Resp: 91949

Ion	Ratio	Lower	Upper
96	100		
61	165.0	124.2	186.2
98	59.6	52.6	79.0

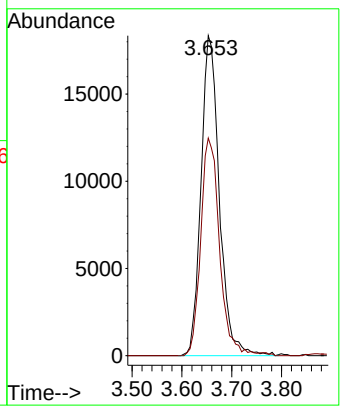




#13
Acrolein
Concen: 235.305 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 56 Resp: 4682

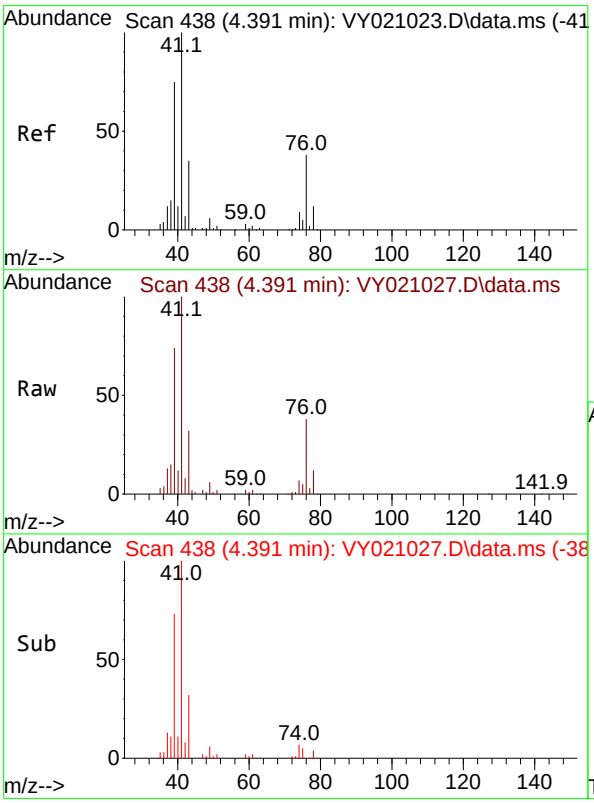
Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

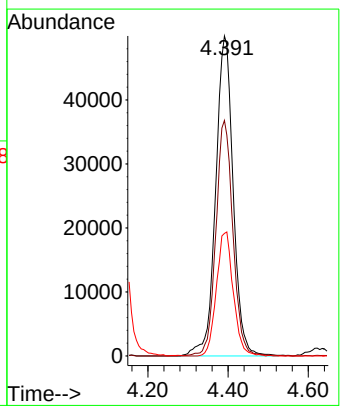
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

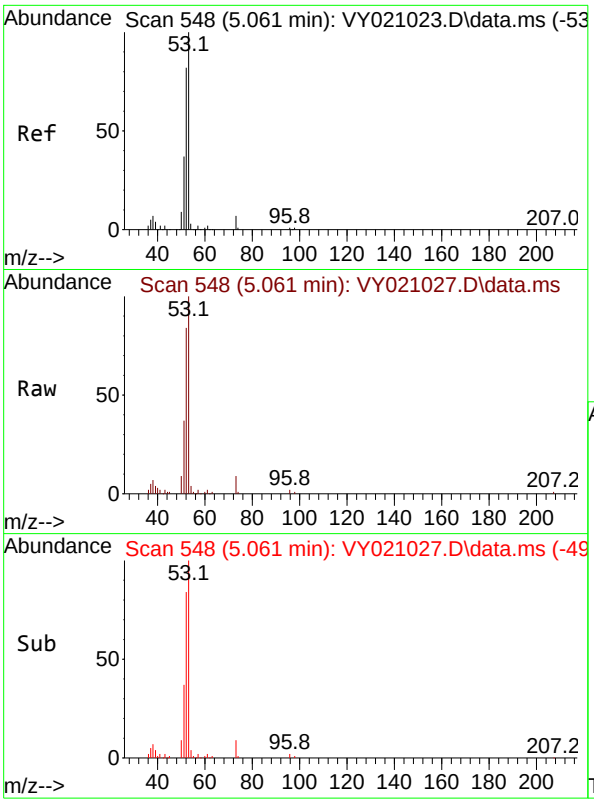


#14
Allyl chloride
Concen: 50.663 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 41 Resp: 151536

Ion	Ratio	Lower	Upper
41	100		
39	71.4	54.7	82.1
76	37.3	31.8	47.6





#15
Acrylonitrile
Concen: 230.328 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

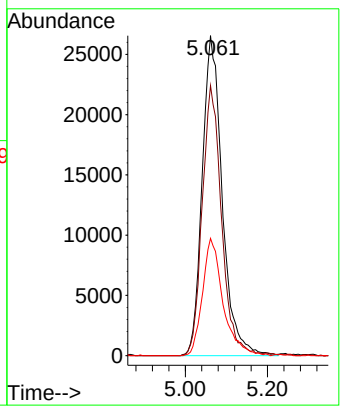
Tgt Ion: 53 Resp: 8988

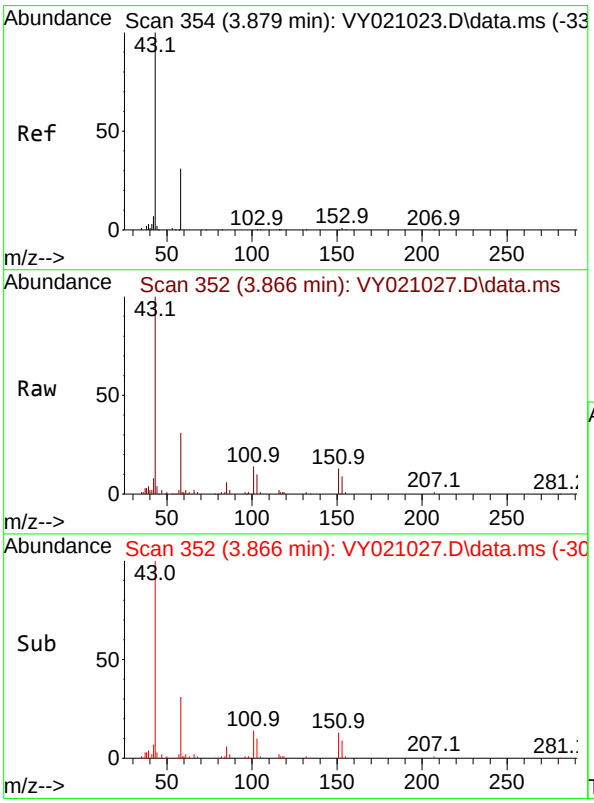
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.1	97.7
51	37.6	29.0	43.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

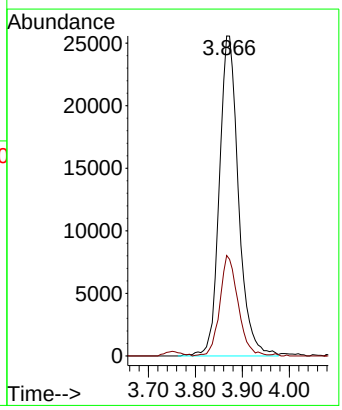


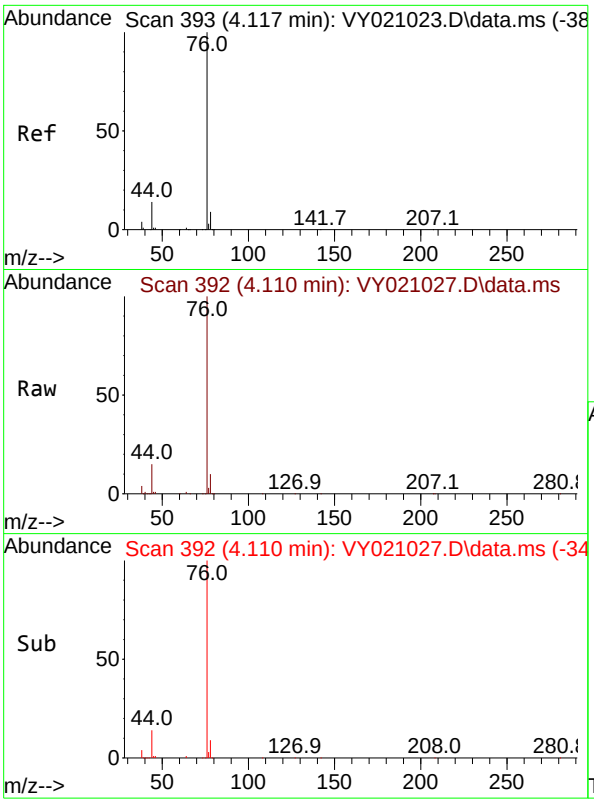


#16
Acetone
Concen: 243.997 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 72566

Ion	Ratio	Lower	Upper
43	100		
58	31.0	26.6	39.8

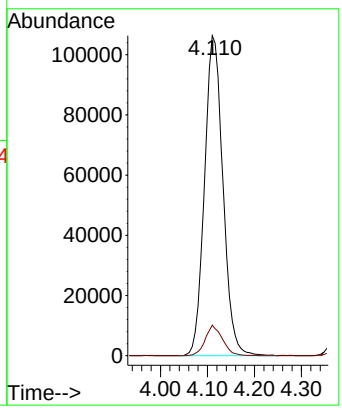




#17
Carbon Disulfide
Concen: 52.004 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 76 Resp: 28940

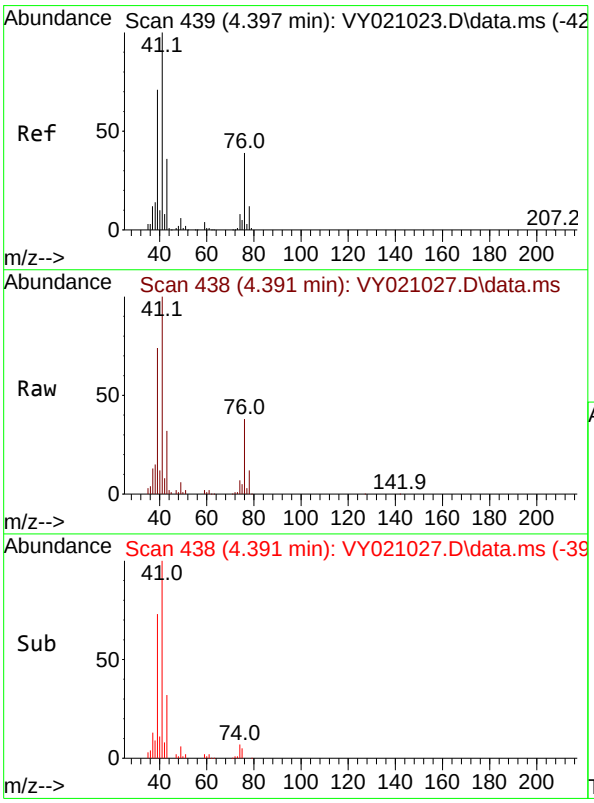
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

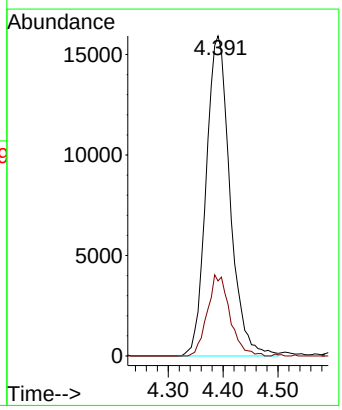
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

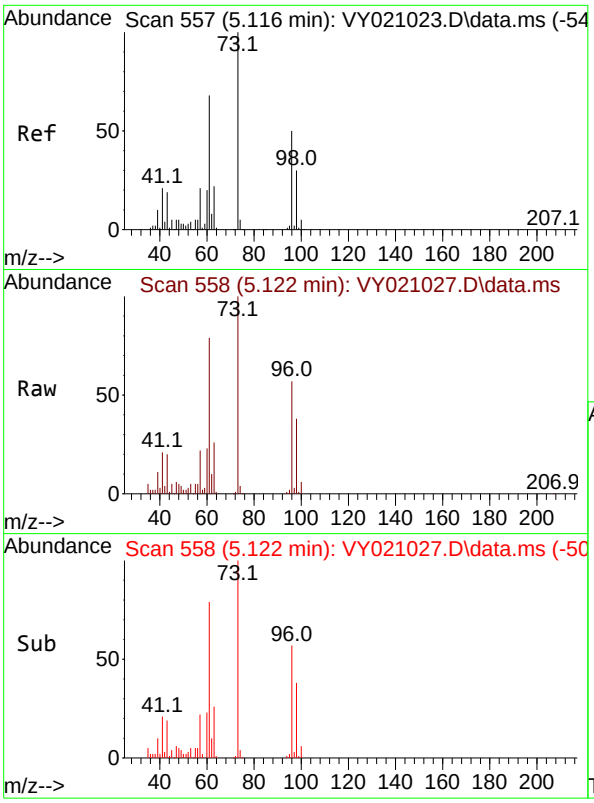


#18
Methyl Acetate
Concen: 46.031 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 48057

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.8	29.6

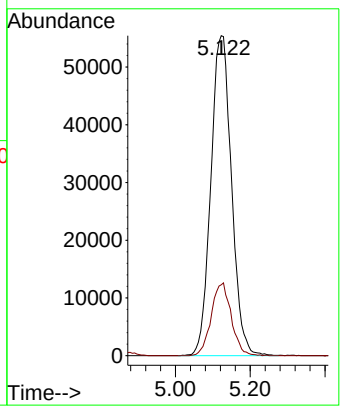




#19
Methyl tert-butyl Ether
Concen: 47.538 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 73 Resp: 21324

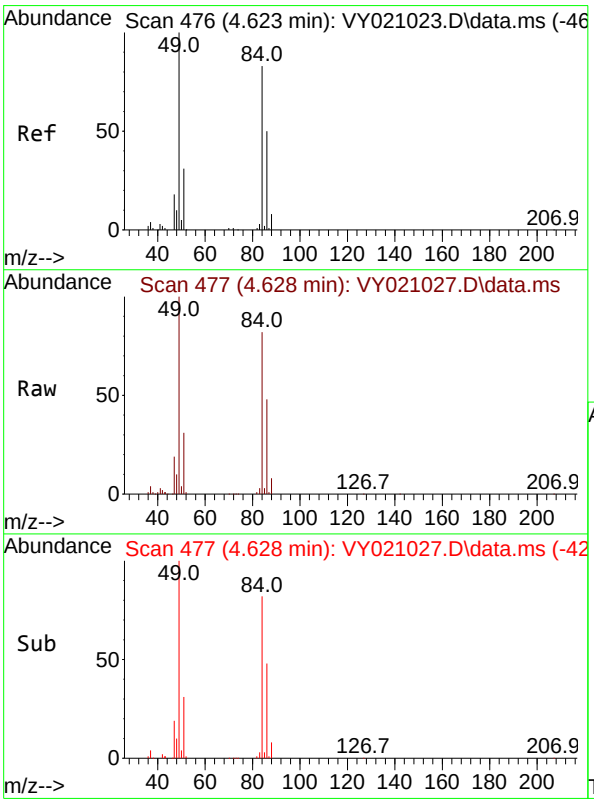
Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

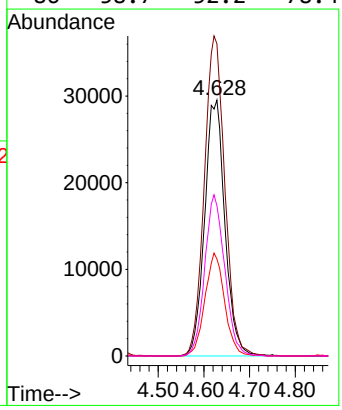
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

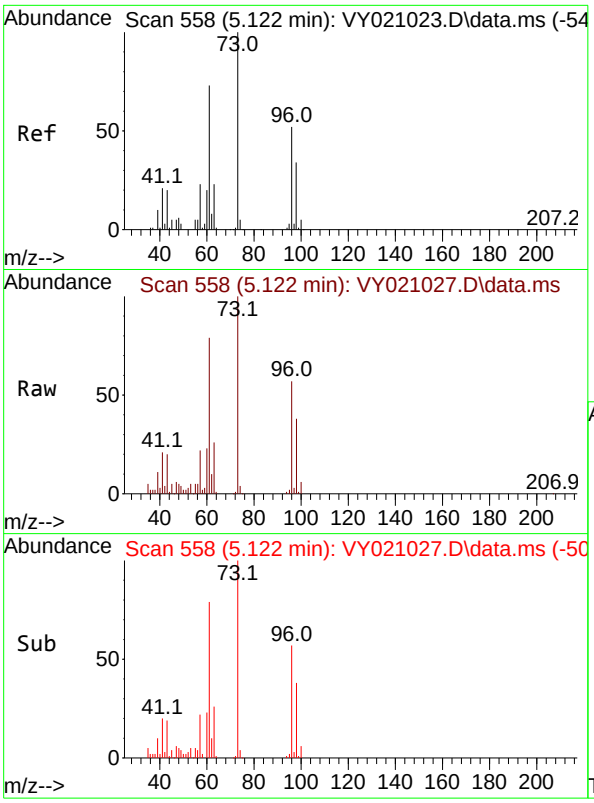


#20
Methylene Chloride
Concen: 49.414 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 84 Resp: 91358

Ion	Ratio	Lower	Upper
84	100		
49	122.0	95.2	142.8
51	37.9	29.9	44.9
86	58.7	52.2	78.4

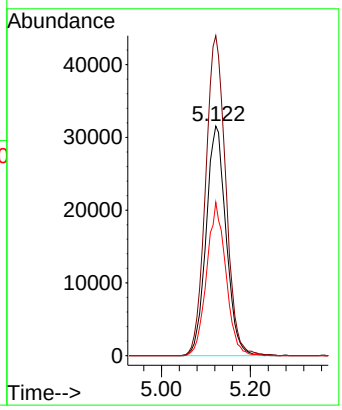




#21
trans-1,2-Dichloroethene
Concen: 50.506 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 96 Resp: 9866

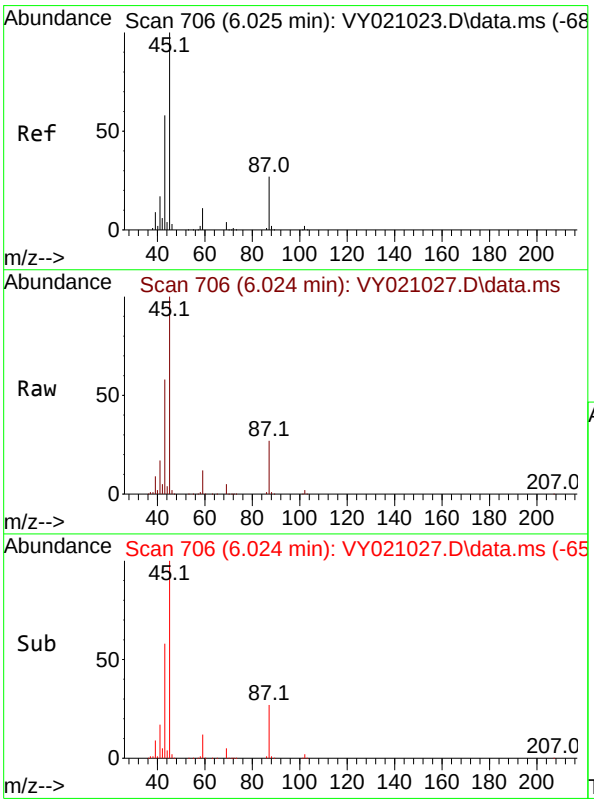
Ion	Ratio	Lower	Upper
96	100		
61	139.4	104.6	156.8
98	66.8	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

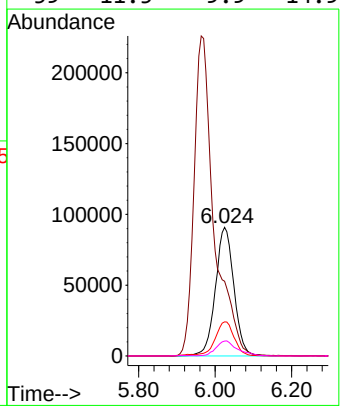
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

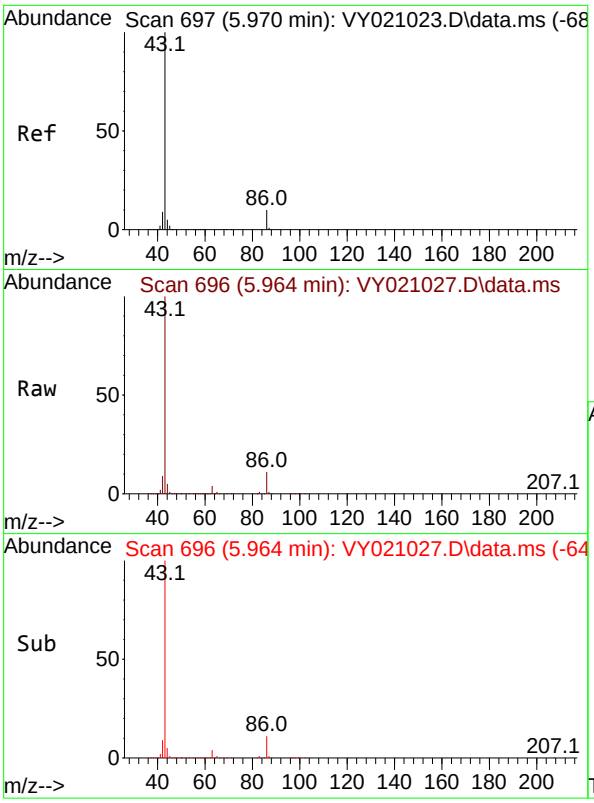


#22
Diisopropyl ether
Concen: 49.407 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 45 Resp: 304603

Ion	Ratio	Lower	Upper
45	100		
43	57.5	46.8	70.2
87	26.5	22.2	33.2
59	11.5	9.9	14.9

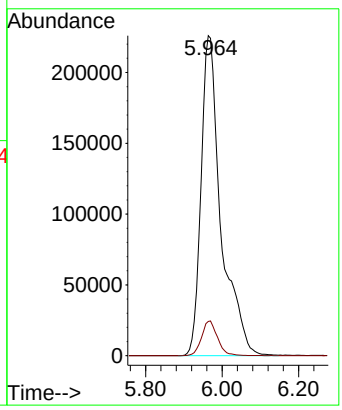




#23
Vinyl Acetate
Concen: 238.370 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 81924

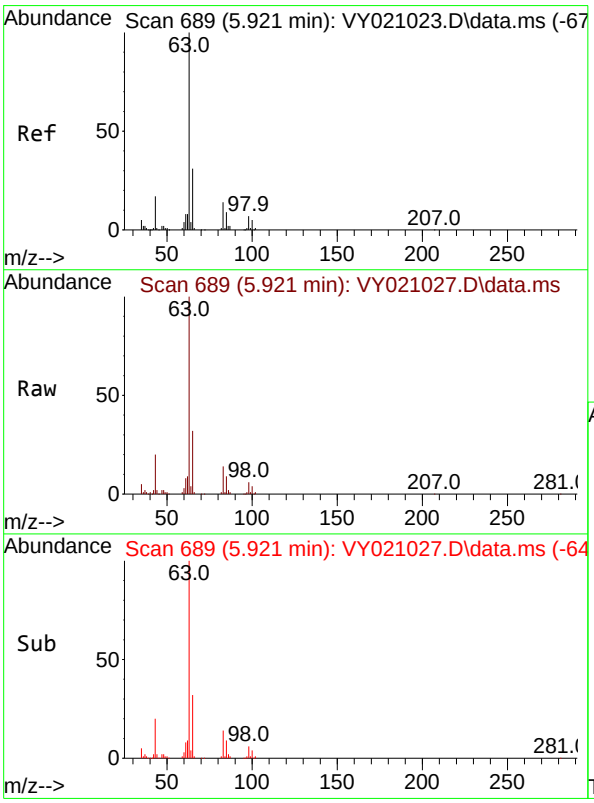
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

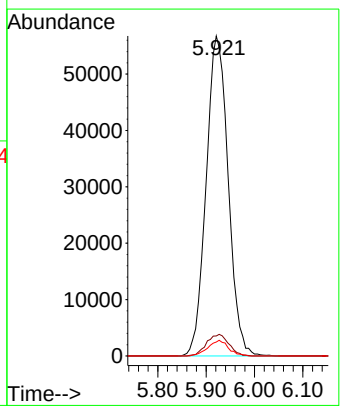
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

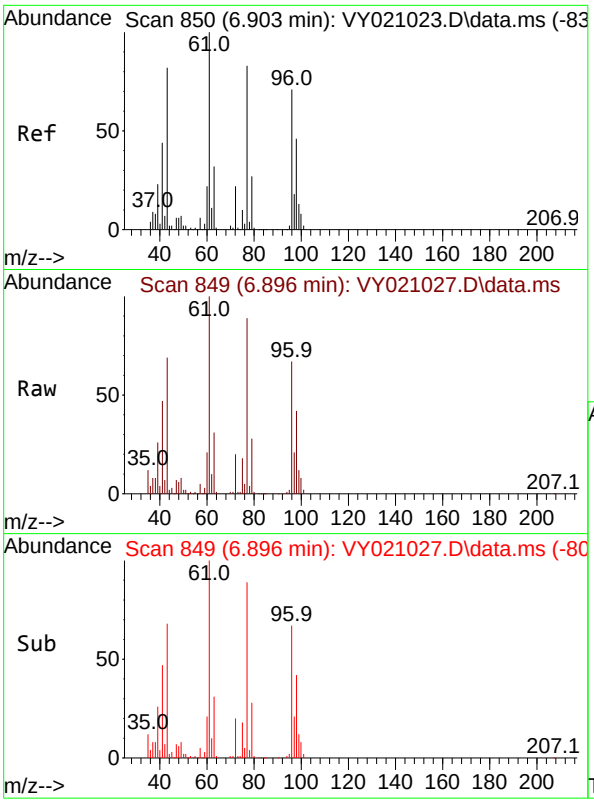


#24
1,1-Dichloroethane
Concen: 49.806 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 63 Resp: 179904

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.4
100	4.4	2.1	6.2

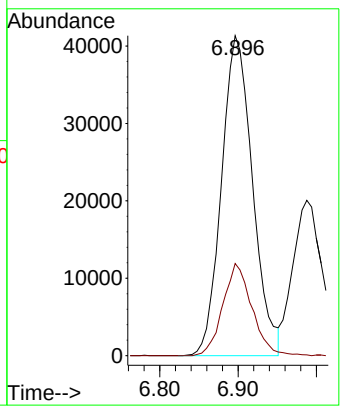




#25
2-Butanone
Concen: 233.503 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 11411

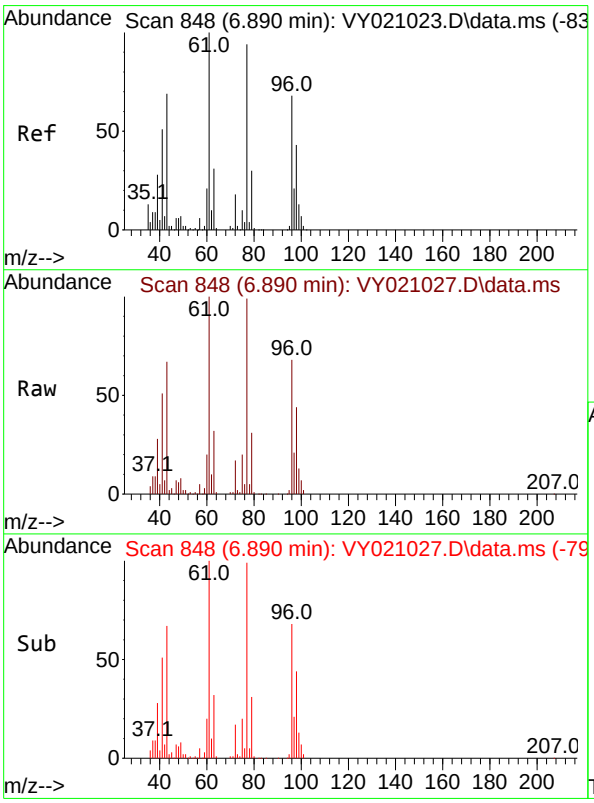
Ion	Ratio	Lower	Upper
43	100		
72	28.8	21.4	32.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

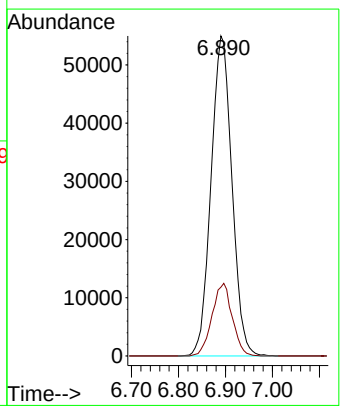
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

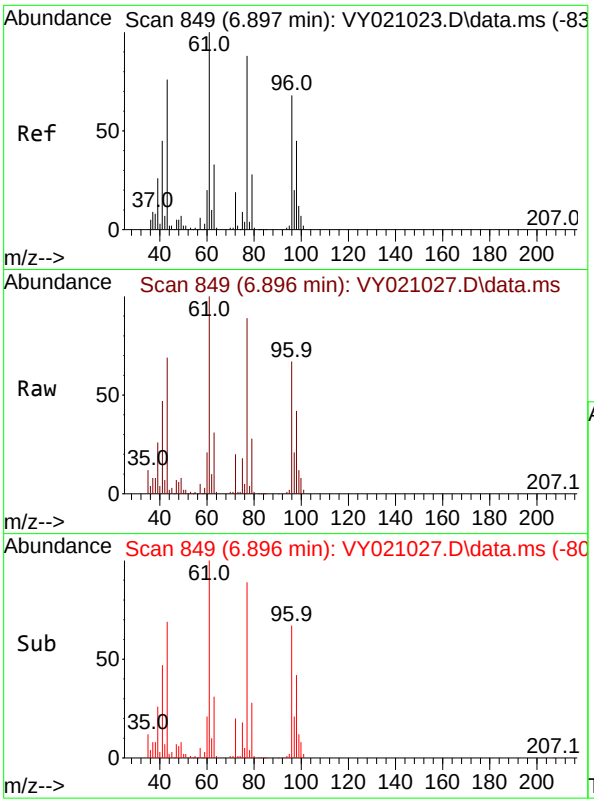


#26
2,2-Dichloropropane
Concen: 50.791 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 77 Resp: 169757

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.7	35.0

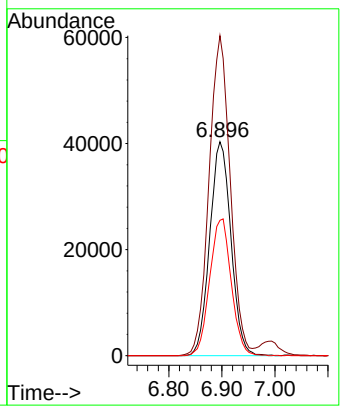




#27
cis-1,2-Dichloroethene
Concen: 49.785 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 96 Resp: 11194

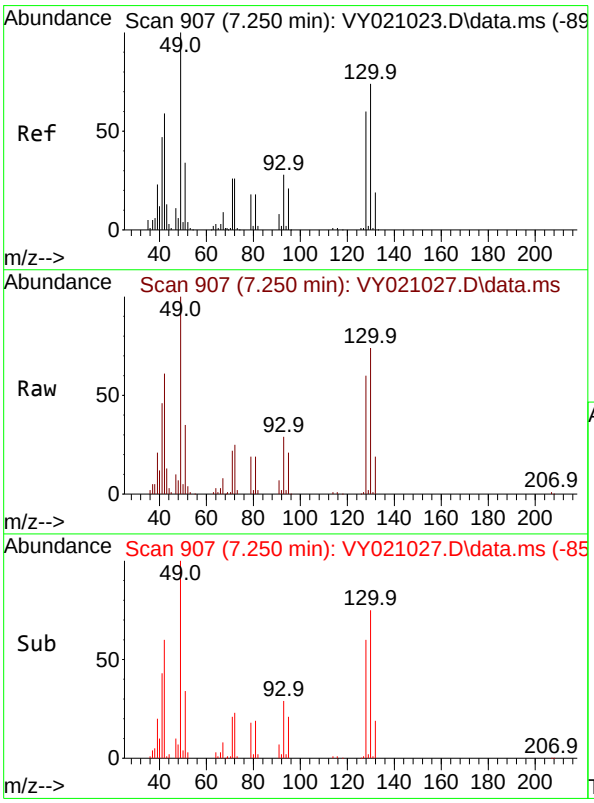
Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	278.8
98	65.1	0.0	127.0



Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations APPROVED

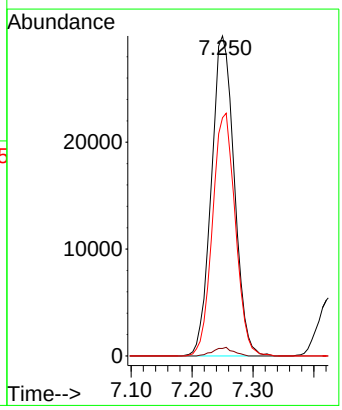
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

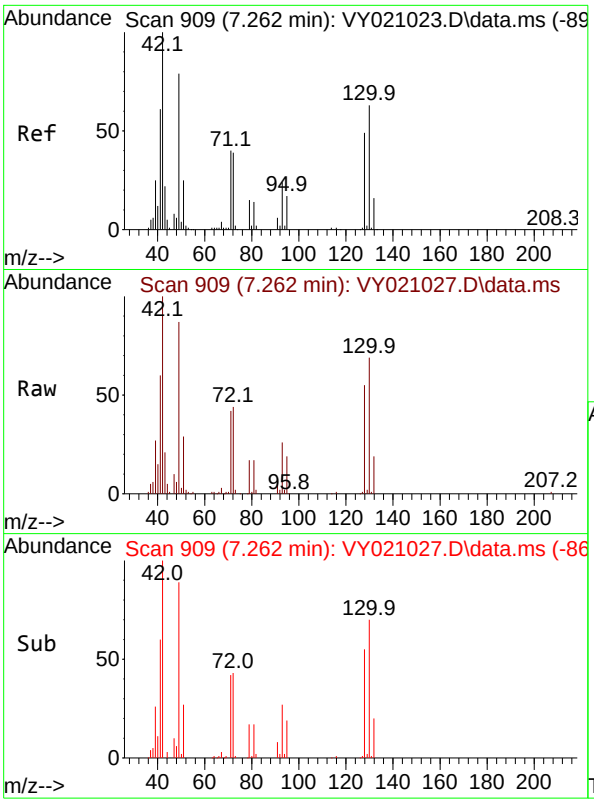


#28
Bromochloromethane
Concen: 54.731 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 49 Resp: 78173

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	3.8
130	75.7	59.8	89.8

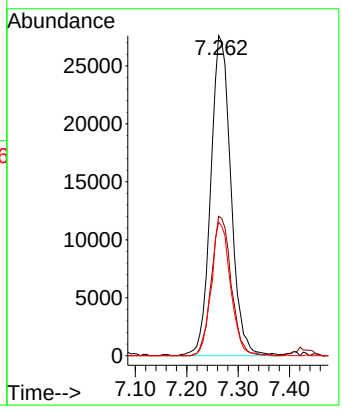




#29
Tetrahydrofuran
Concen: 228.139 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 42 Resp: 7544

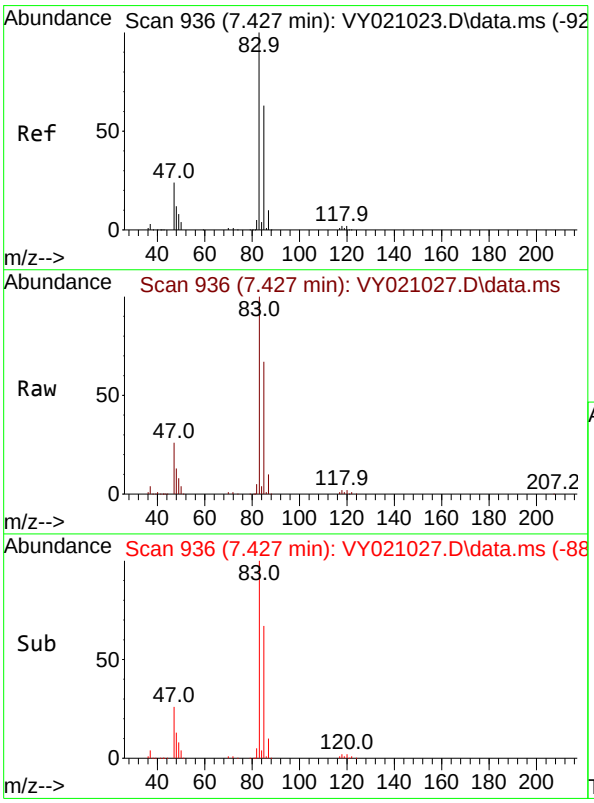
Ion	Ratio	Lower	Upper
42	100		
72	42.8	36.6	54.8
71	39.7	33.8	50.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

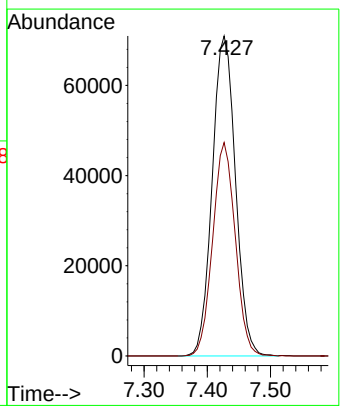
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

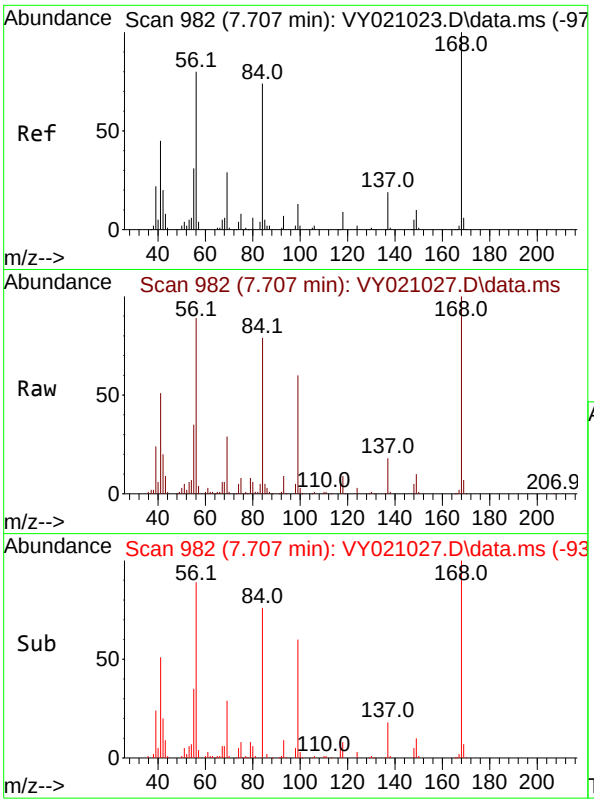


#30
Chloroform
Concen: 48.846 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 83 Resp: 181229

Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.2	76.8

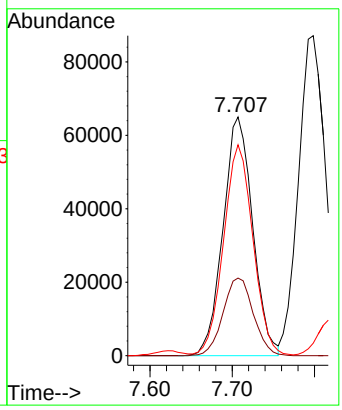




#31
Cyclohexane
Concen: 50.051 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 56 Resp: 16280

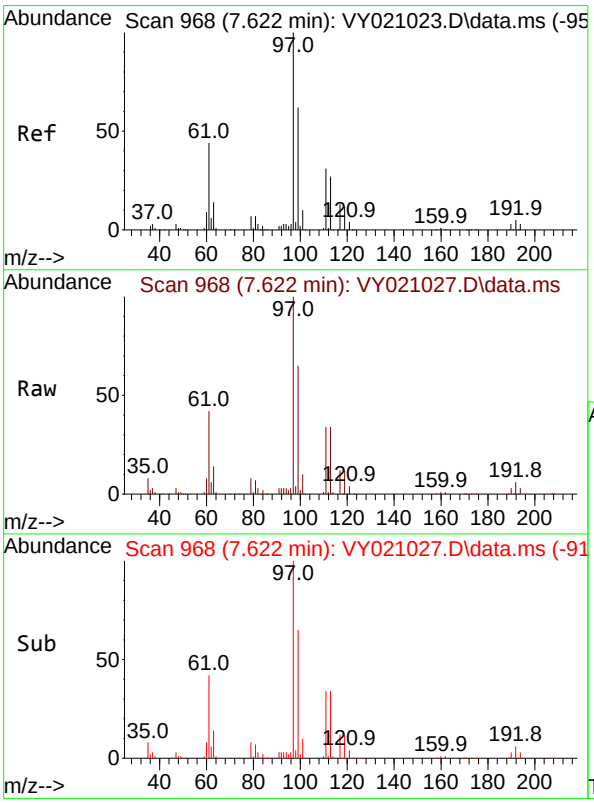
Ion	Ratio	Lower	Upper
56	100		
69	32.5	27.0	40.6
84	86.9	71.8	107.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

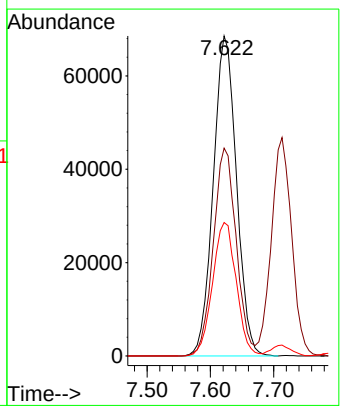
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

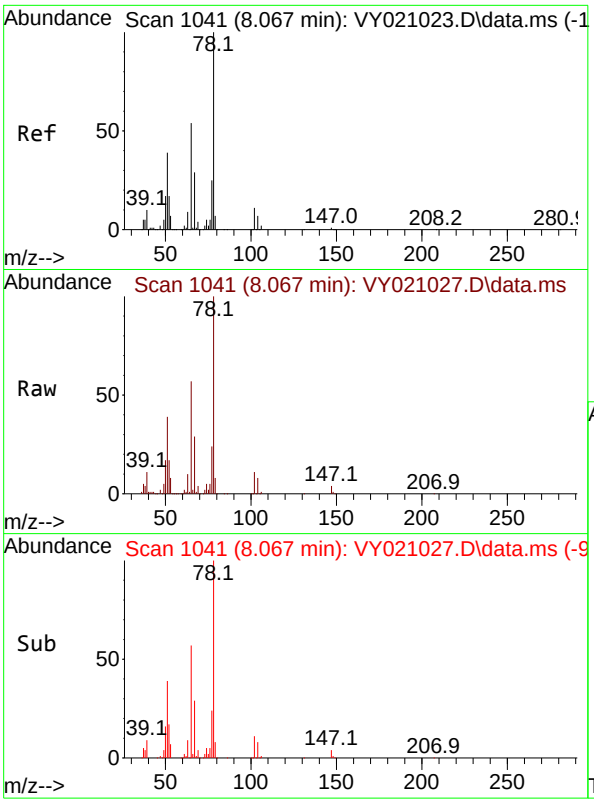


#32
1,1,1-Trichloroethane
Concen: 50.620 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 97 Resp: 174612

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	42.6	35.0	52.6

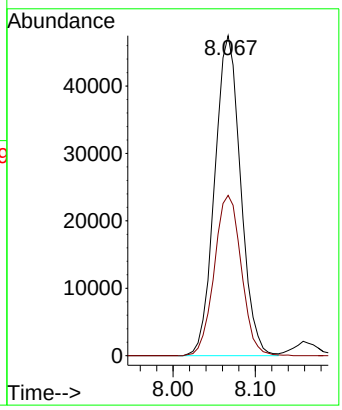




#33
1,2-Dichloroethane-d4
Concen: 54.604 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 65 Resp: 10413

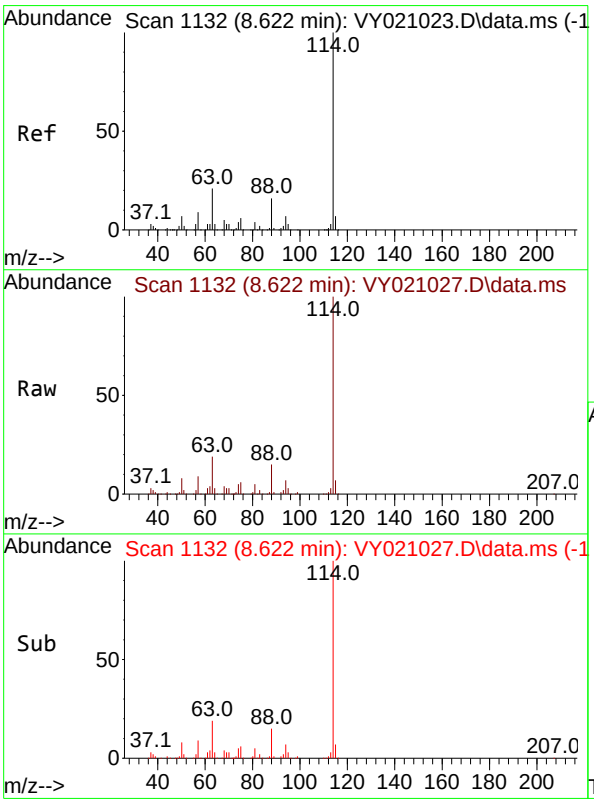
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	109.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

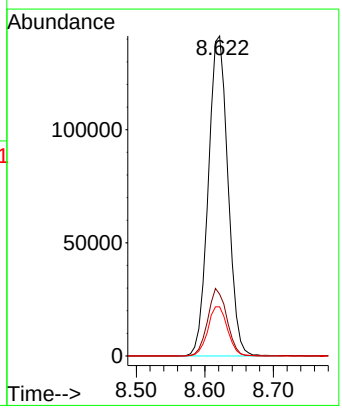
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

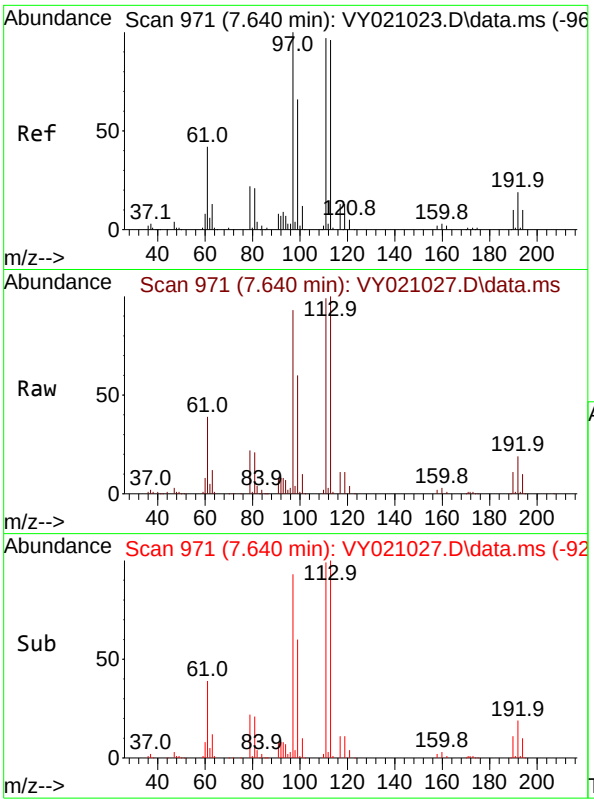


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:114 Resp: 280950

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	37.4
88	15.4	0.0	29.0





#35
Dibromofluoromethane
Concen: 57.790 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

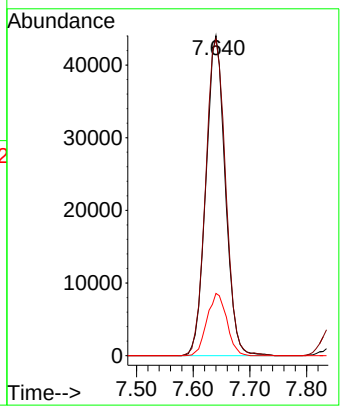
Tgt Ion:113 Resp: 10405

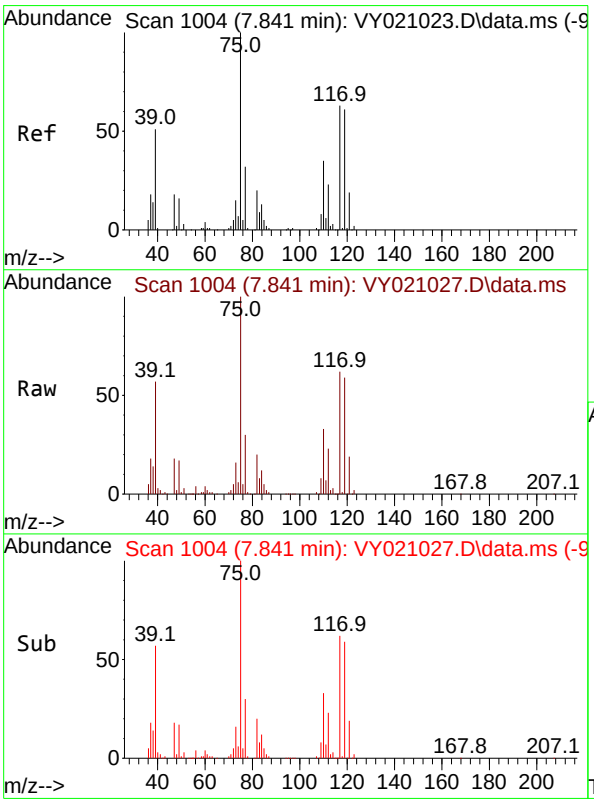
Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.8	125.6
192	20.0	14.5	21.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

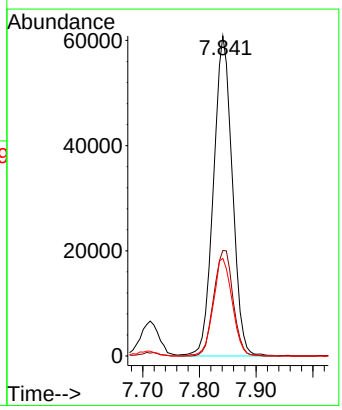


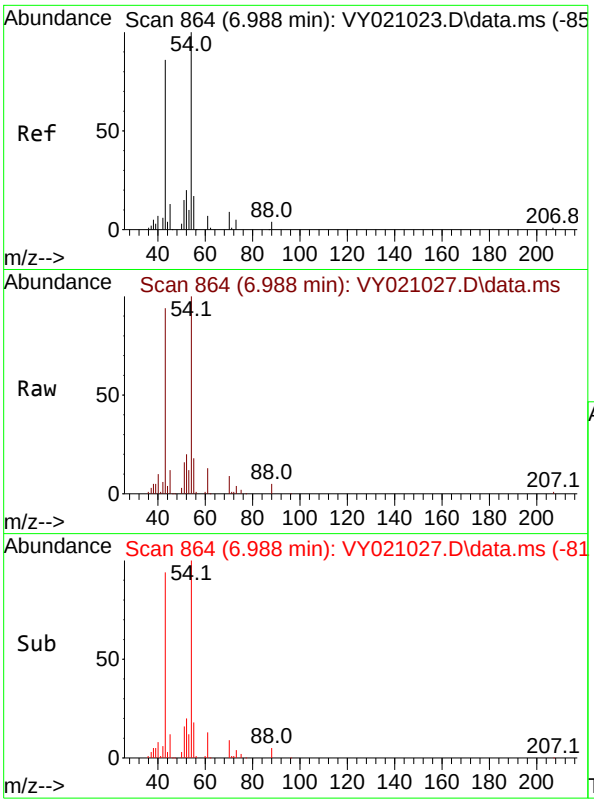


#36
1,1-Dichloropropene
Concen: 52.625 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 140344

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.4	52.3
77	30.7	24.7	37.1

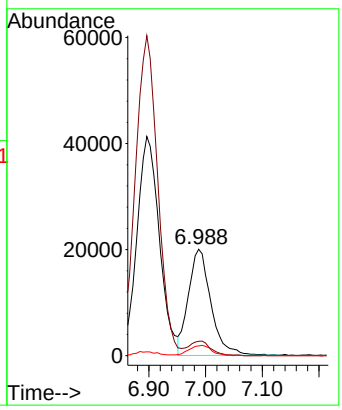




#37
Ethyl Acetate
Concen: 47.006 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 5499

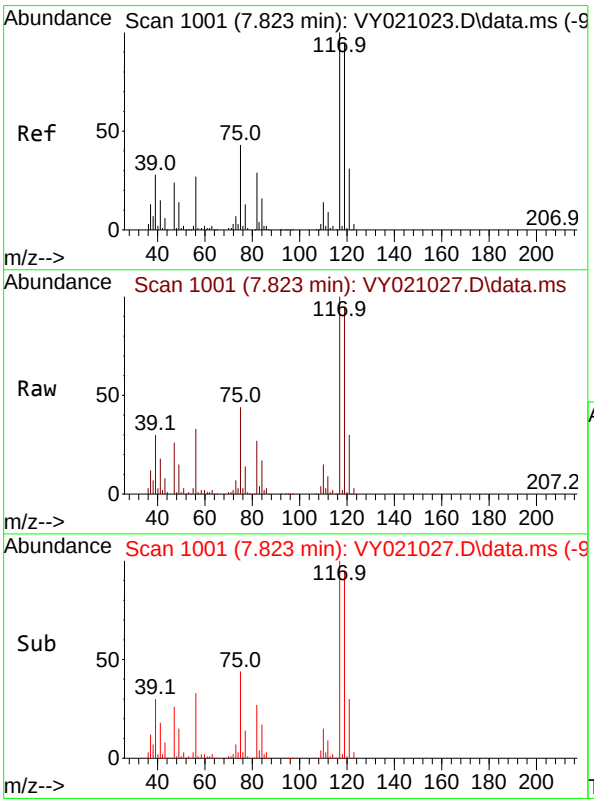
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	9.7	8.1	12.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

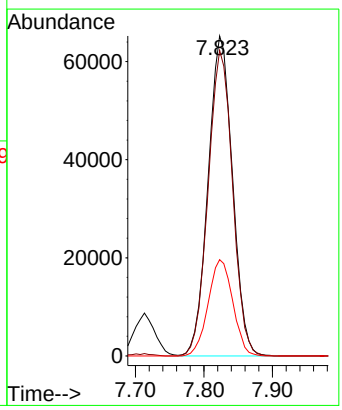
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

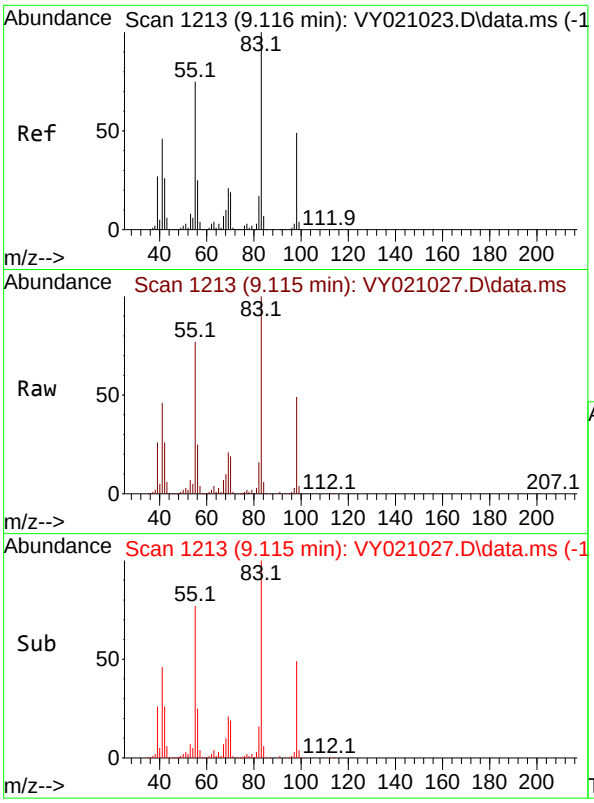


#38
Carbon Tetrachloride
Concen: 51.711 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:117 Resp: 161137

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.0	114.0
121	30.1	24.2	36.2





#39
Methylcyclohexane
Concen: 54.123 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

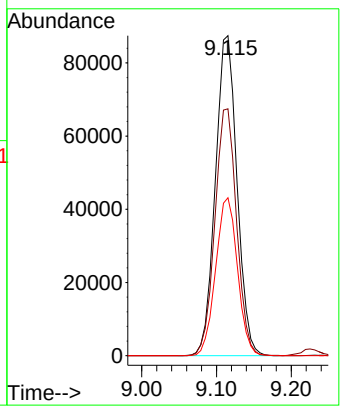
Tgt Ion: 83 Resp: 17655

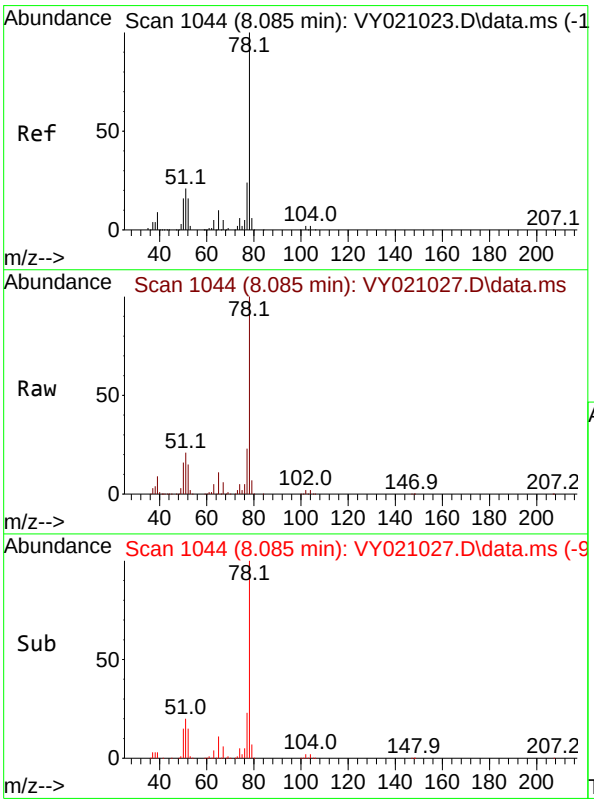
Ion	Ratio	Lower	Upper
83	100		
55	77.1	59.7	89.5
98	49.4	38.0	57.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

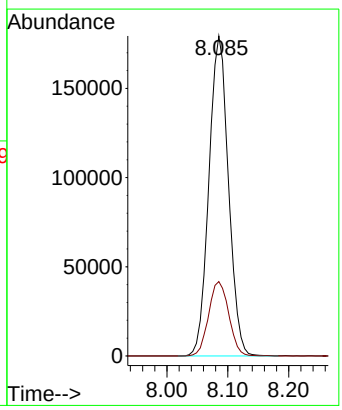


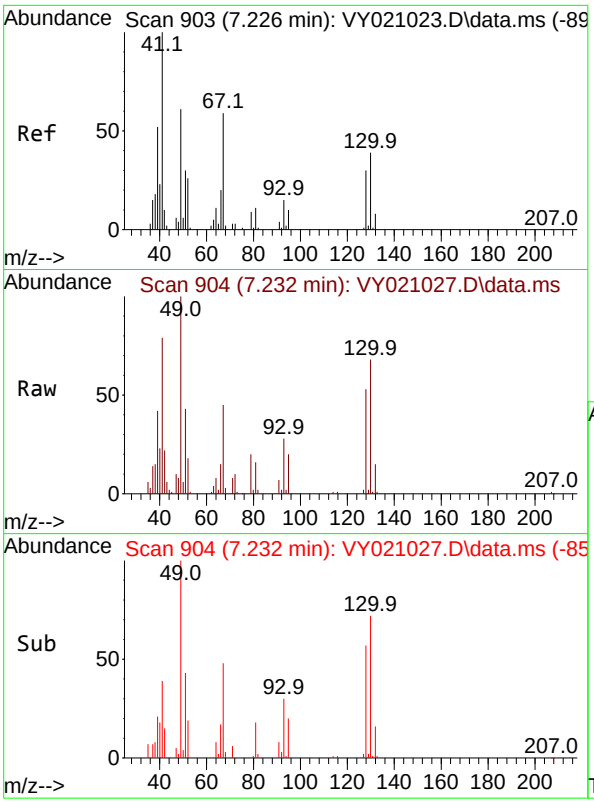


#40
Benzene
Concen: 51.052 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 78 Resp: 399547

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2

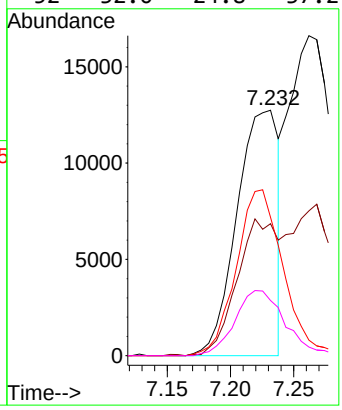




#41
Methacrylonitrile
Concen: 43.131 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 41 Resp: 2919

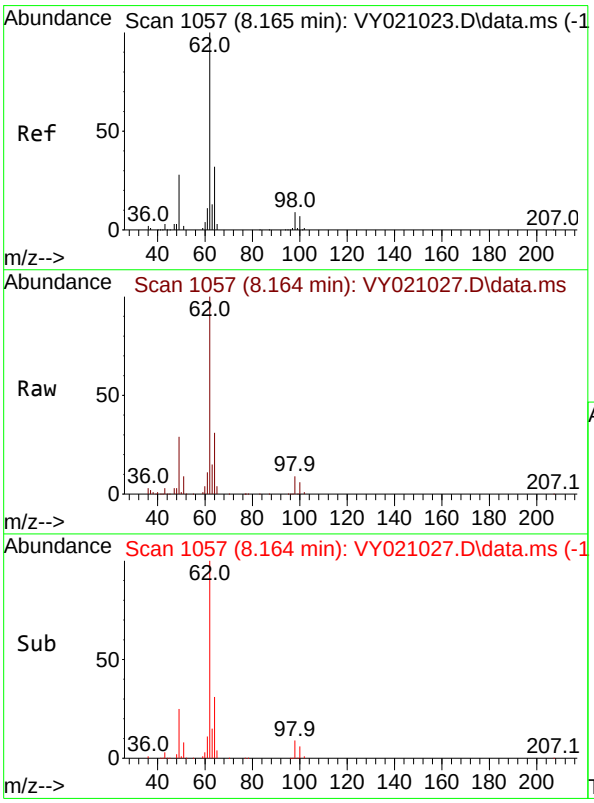
Ion	Ratio	Lower	Upper
41	100		
39	53.8	41.9	62.9
67	76.7	59.8	89.6
52	32.0	24.8	37.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
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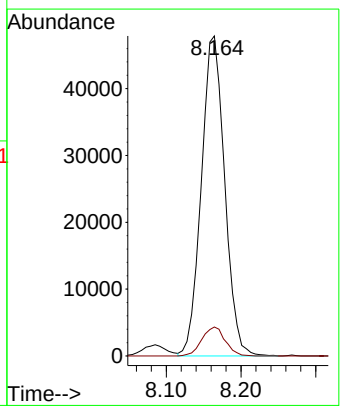
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

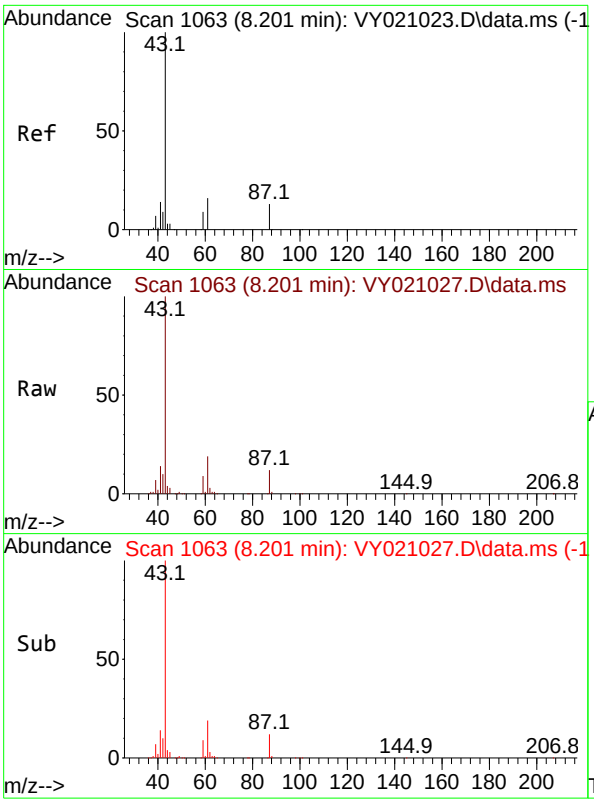


#42
1,2-Dichloroethane
Concen: 47.910 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 62 Resp: 104015

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.2

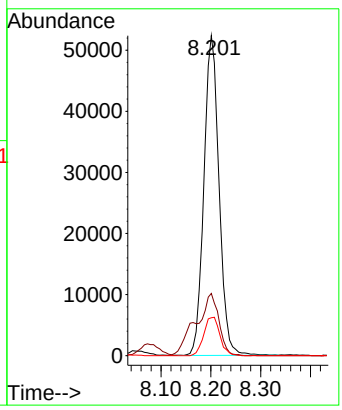




#43
Isopropyl Acetate
Concen: 47.523 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 11047

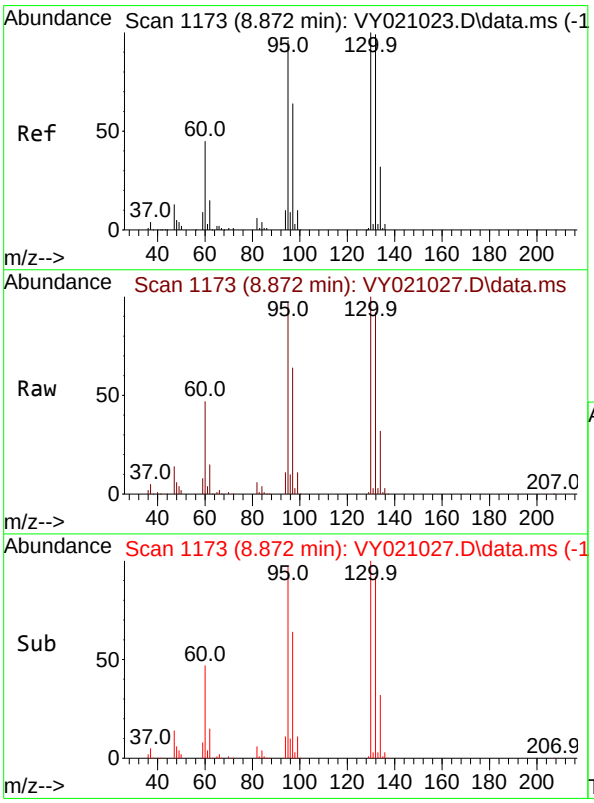
Ion	Ratio	Lower	Upper
43	100		
61	29.5	24.8	37.2
87	12.8	10.7	16.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

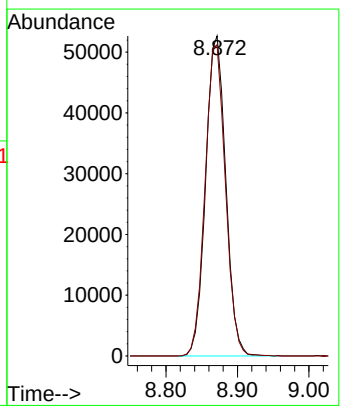
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

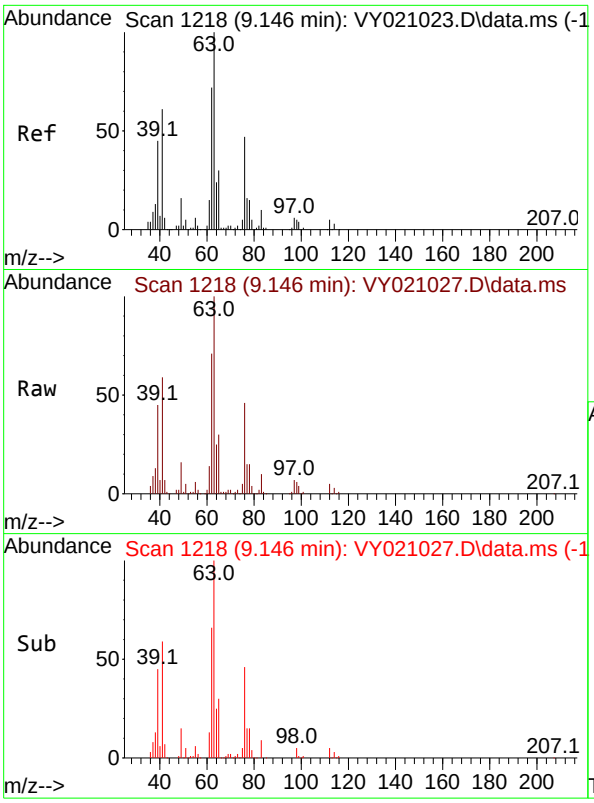


#44
Trichloroethene
Concen: 50.777 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:130 Resp: 102671

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	203.8

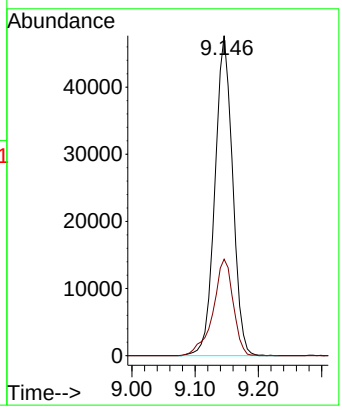




#45
1,2-Dichloropropane
Concen: 49.666 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 63 Resp: 9225

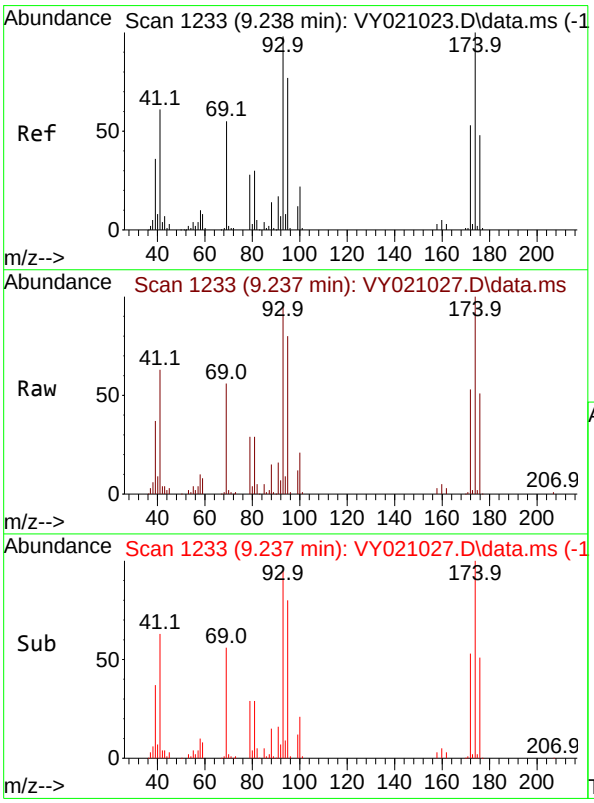
Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

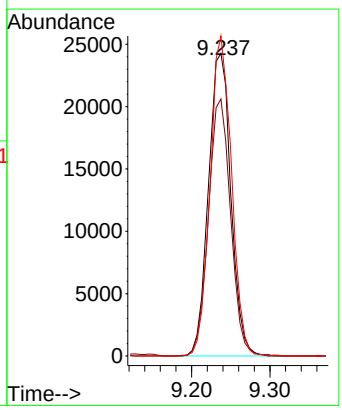
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

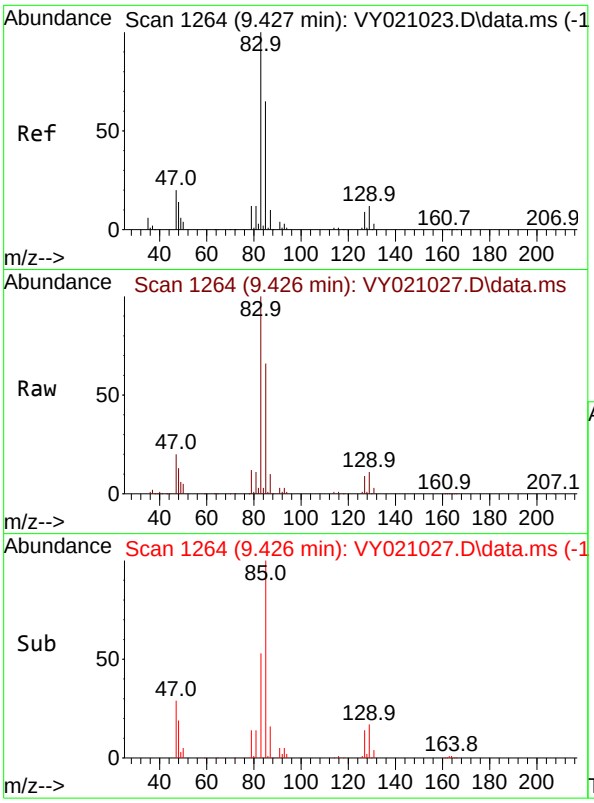


#46
Dibromomethane
Concen: 46.914 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 93 Resp: 48251

Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.6	99.8
174	101.3	73.8	110.6

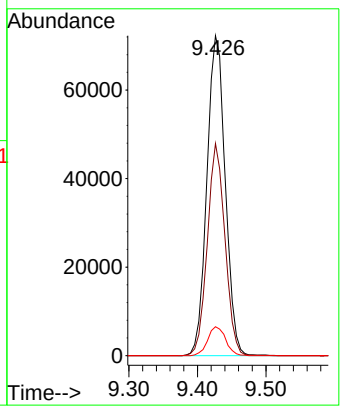




#47
Bromodichloromethane
Concen: 48.799 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 83 Resp: 13460

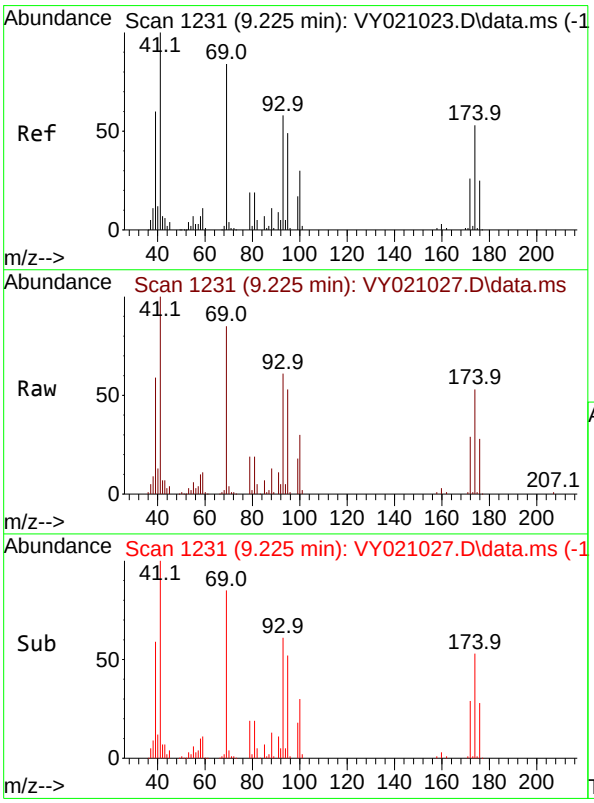
Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.2	79.8
127	9.1	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

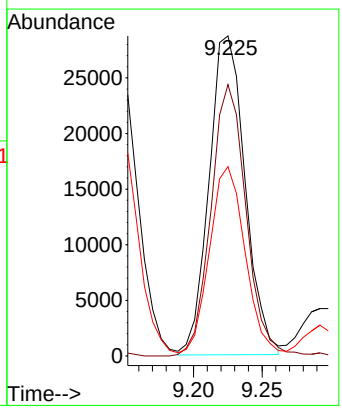
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

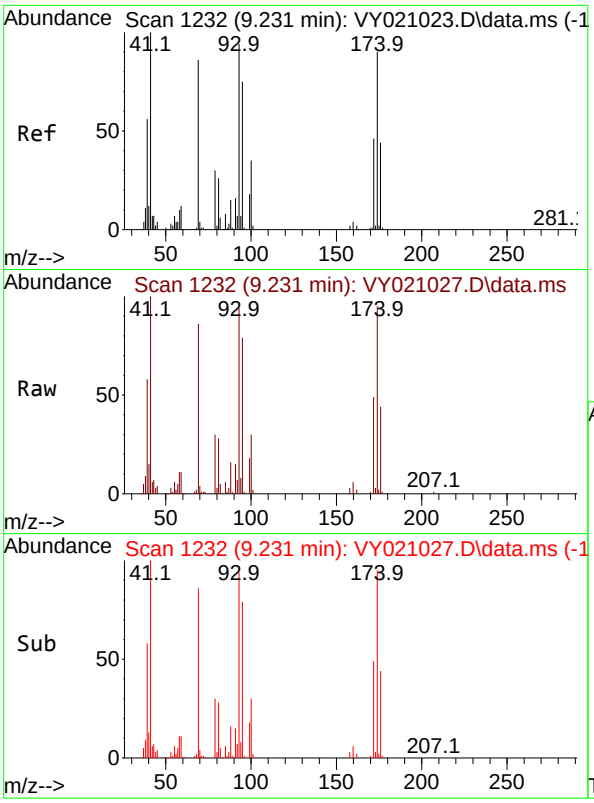


#48
Methyl methacrylate
Concen: 49.560 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 41 Resp: 52480

Ion	Ratio	Lower	Upper
41	100		
69	83.0	72.1	108.1
39	57.2	42.8	64.2

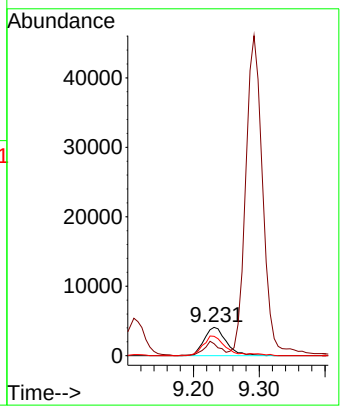




#49
1,4-Dioxane
Concen: 1001.398 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 88 Resp: 958

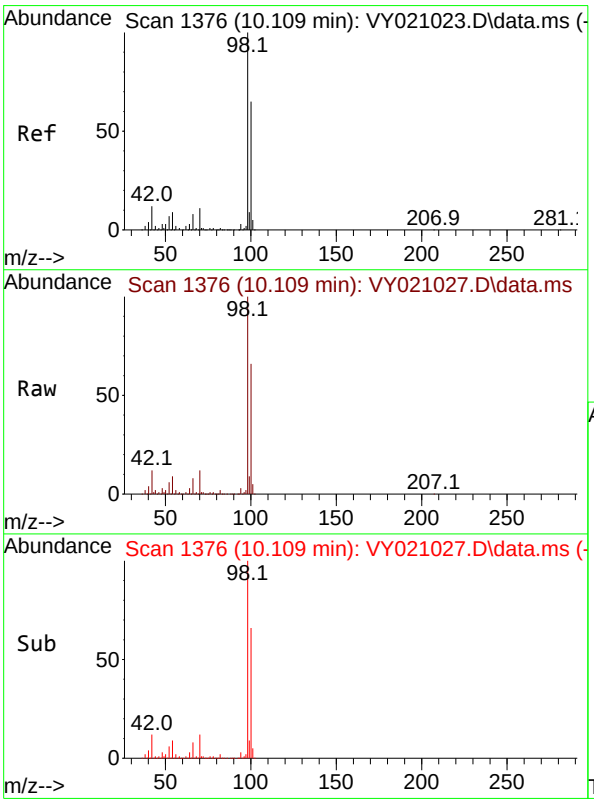
Ion	Ratio	Lower	Upper
88	100		
43	35.5	28.2	42.4
58	66.7	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

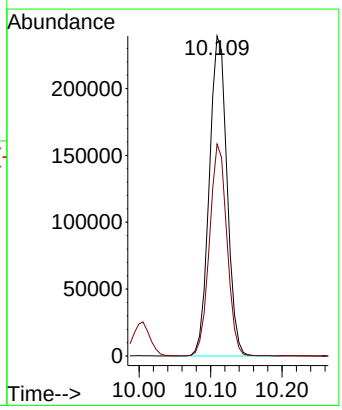
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

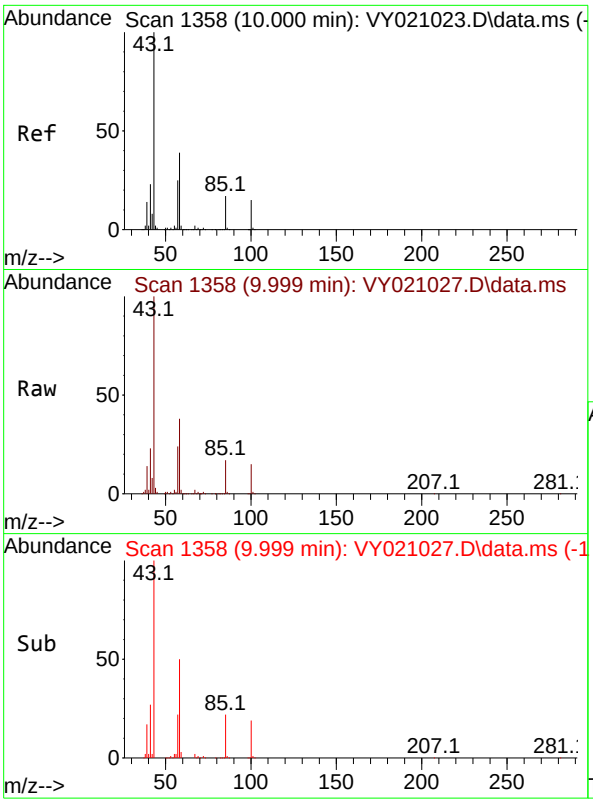


#50
Toluene-d8
Concen: 59.966 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 98 Resp: 411045

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5

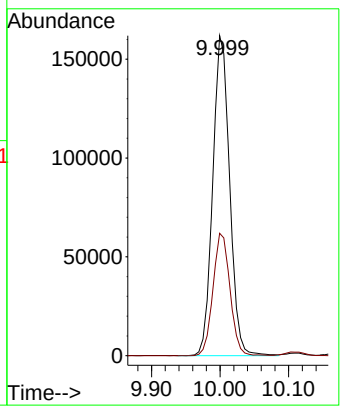




#51
4-Methyl-2-Pentanone
Concen: 236.615 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 27660

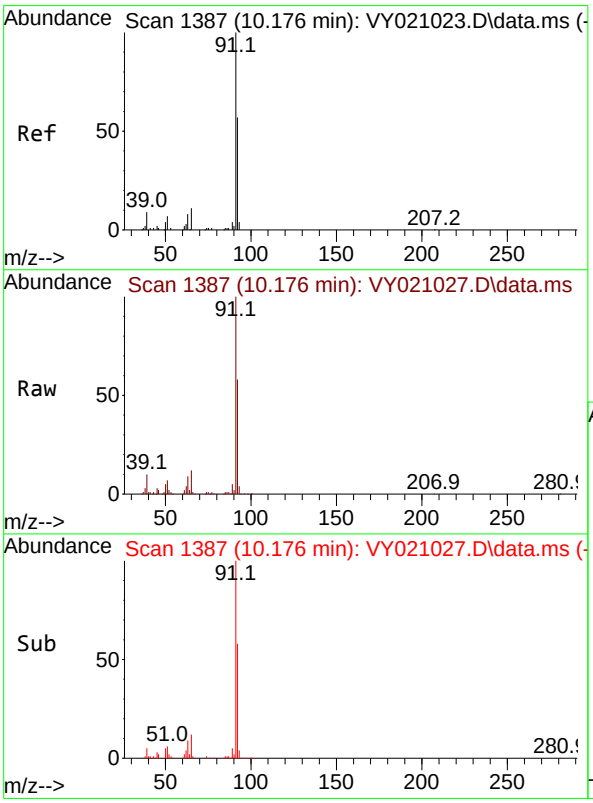
Ion	Ratio	Lower	Upper
43	100		
58	38.6	32.2	48.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

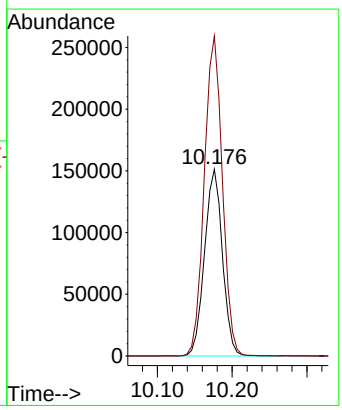
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

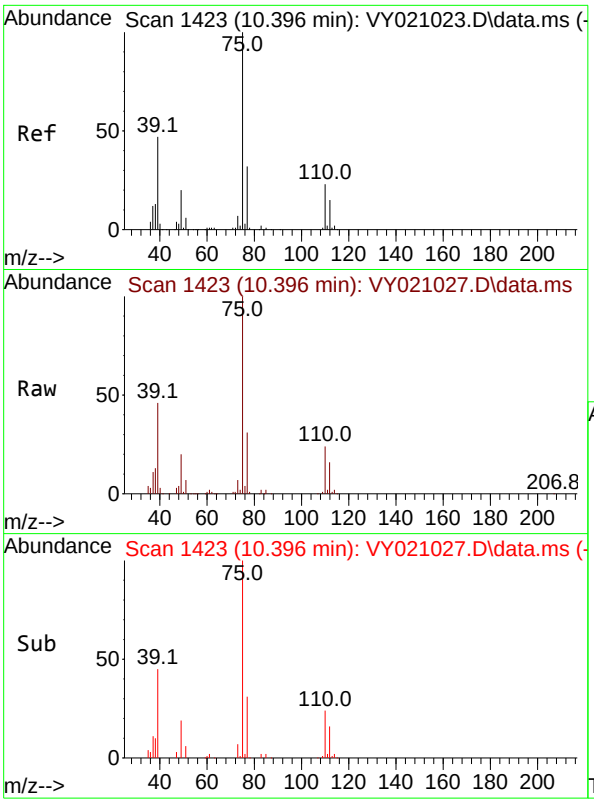


#52
Toluene
Concen: 51.135 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 92 Resp: 251287

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.6	206.4

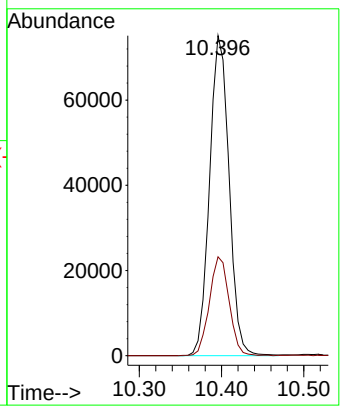




#53
t-1,3-Dichloropropene
Concen: 49.950 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 12371

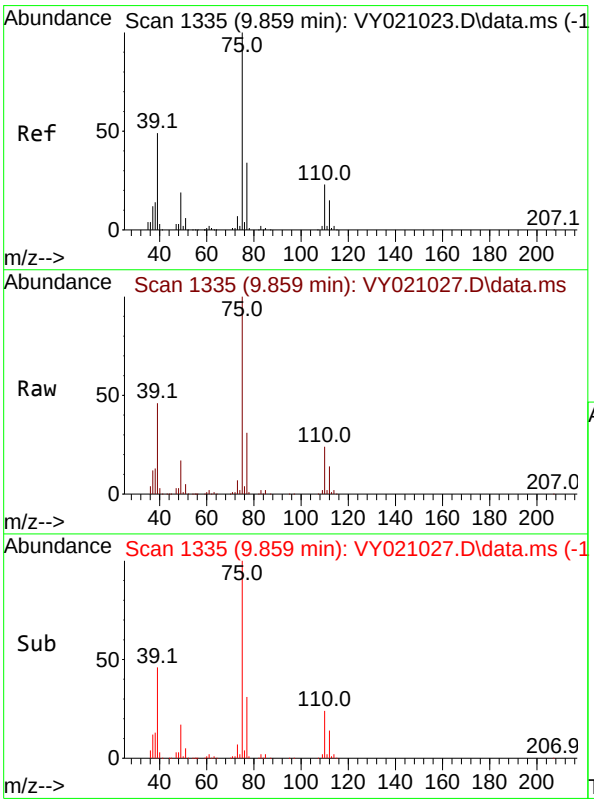
Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

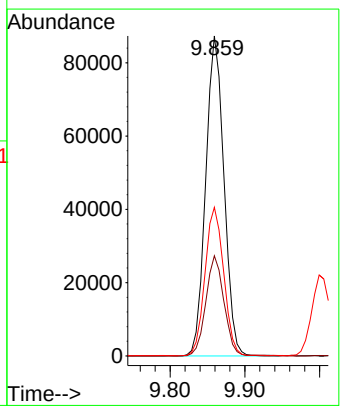
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

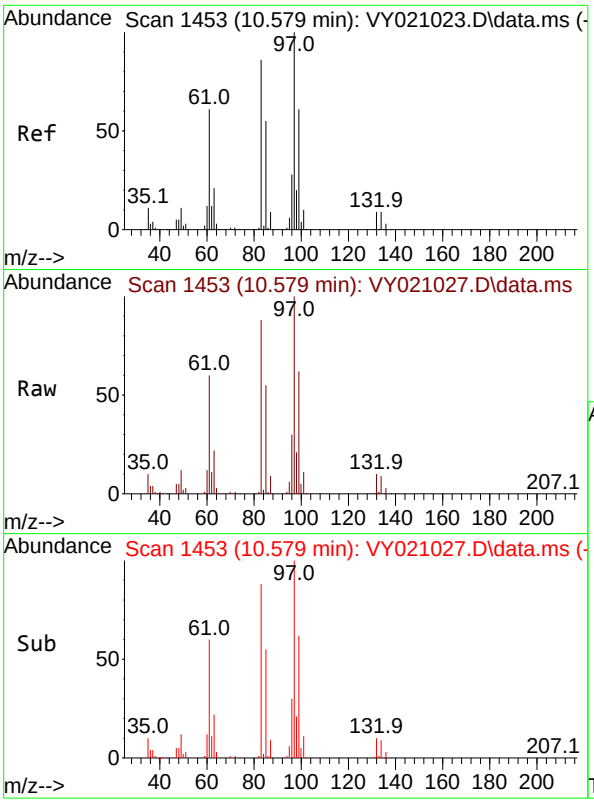


#54
cis-1,3-Dichloropropene
Concen: 50.550 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 148244

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	46.4	33.6	50.4

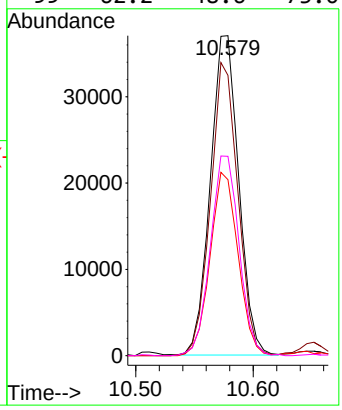




#55
1,1,2-Trichloroethane
Concen: 46.820 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 97 Resp: 6235

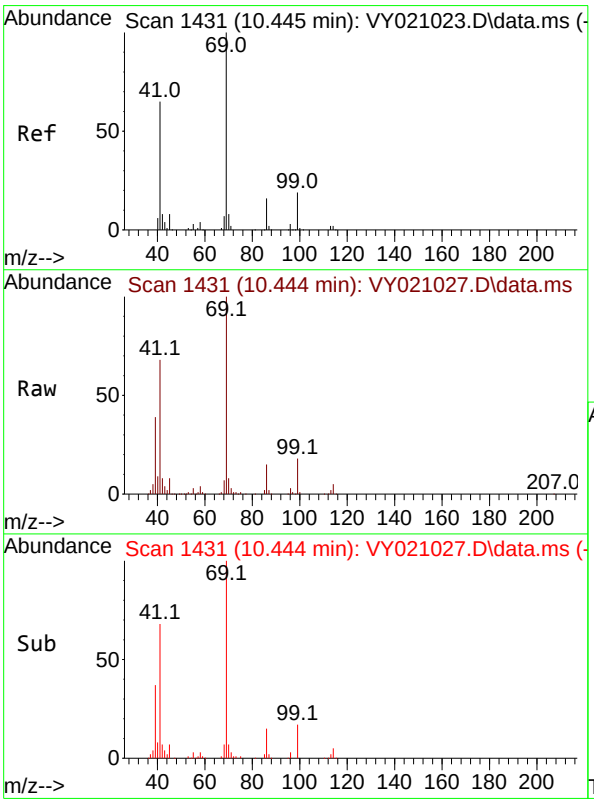
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.4	104.2
85	55.1	43.9	65.9
99	62.2	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

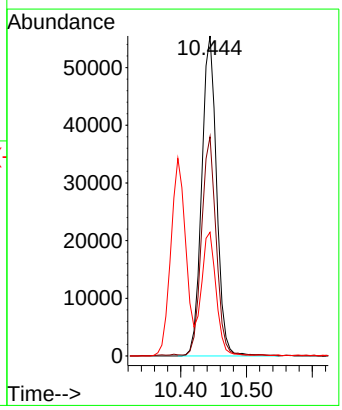
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

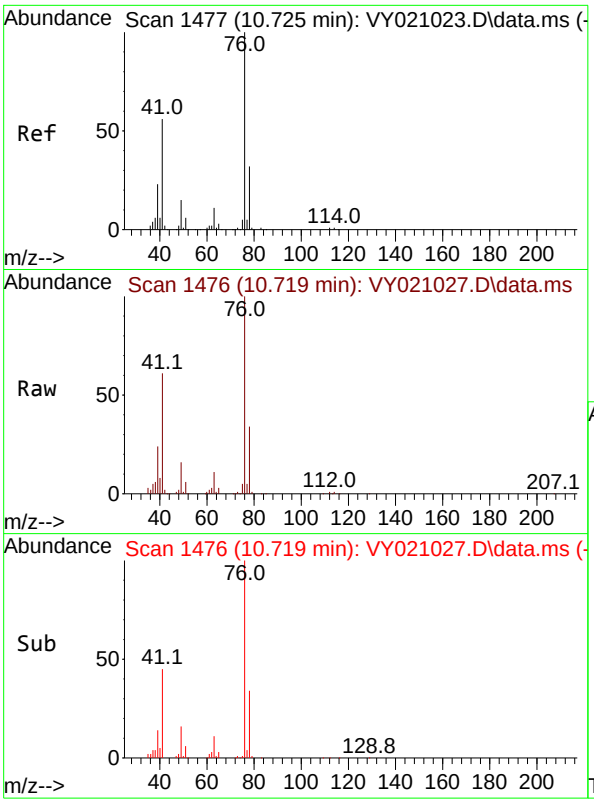


#56
Ethyl methacrylate
Concen: 49.082 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 69 Resp: 87450

Ion	Ratio	Lower	Upper
69	100		
41	66.5	49.2	73.8
39	37.5	26.8	40.2

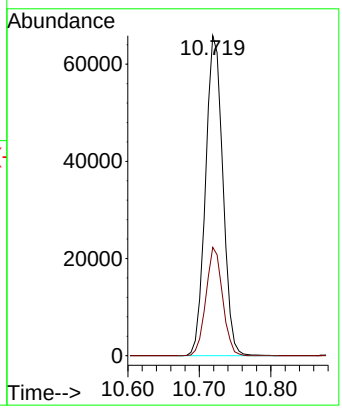




#57
1,3-Dichloropropane
Concen: 47.980 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 76 Resp: 11060

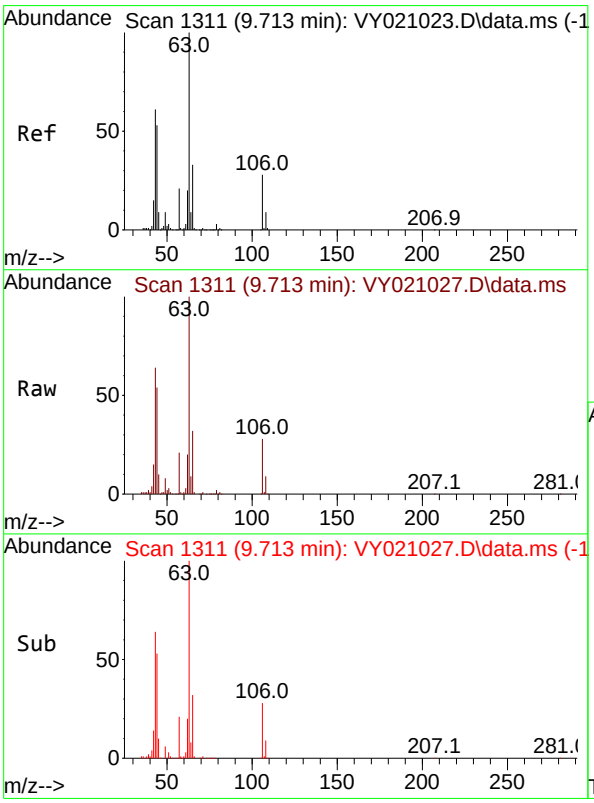
Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

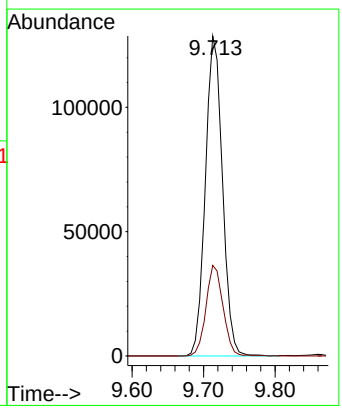
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

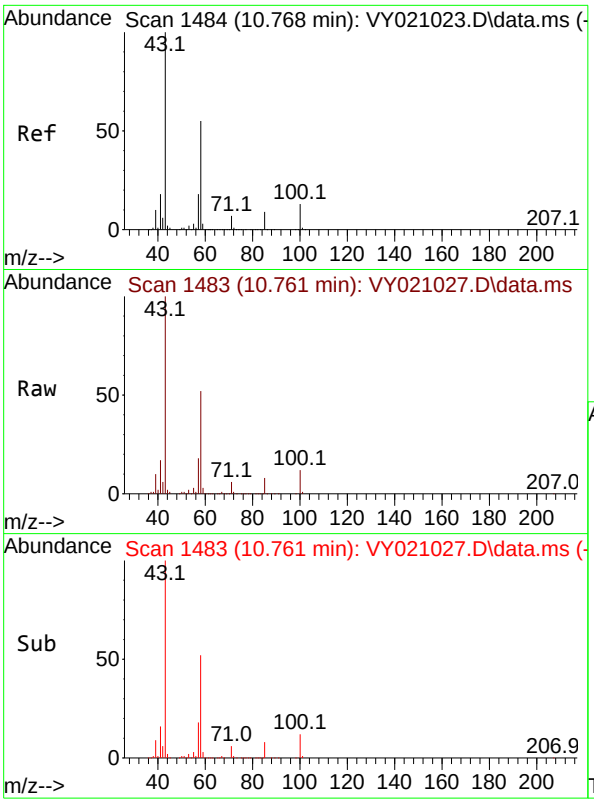


#58
2-Chloroethyl Vinyl ether
Concen: 251.852 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 63 Resp: 213481

Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.4	33.6

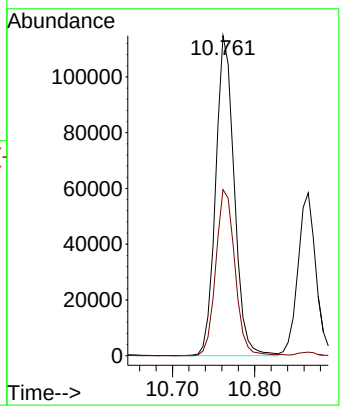




#59
2-Hexanone
Concen: 239.750 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 18045

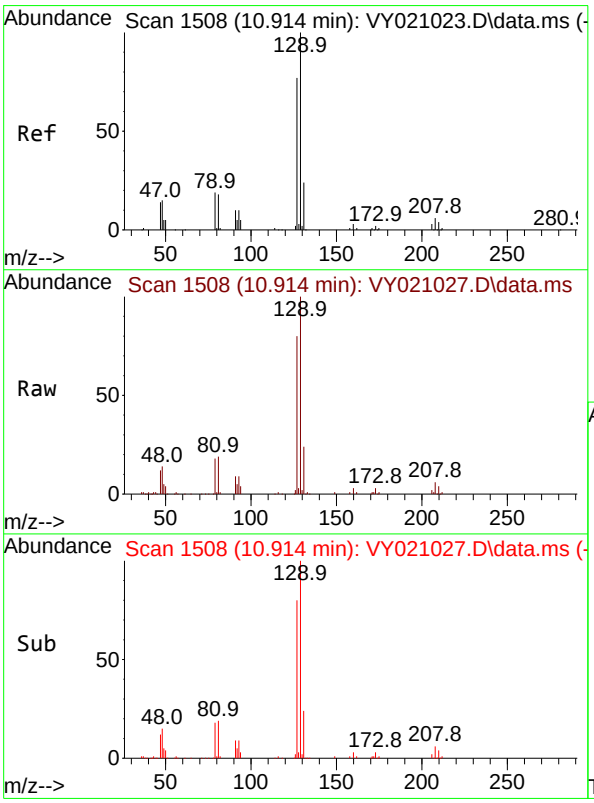
Ion	Ratio	Lower	Upper
43	100		
58	53.5	28.1	84.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

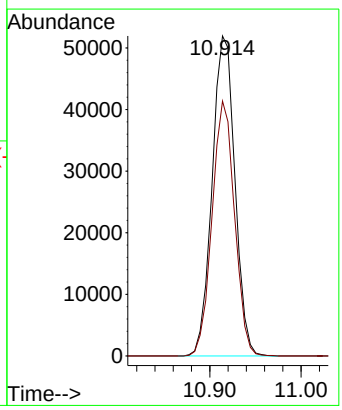
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

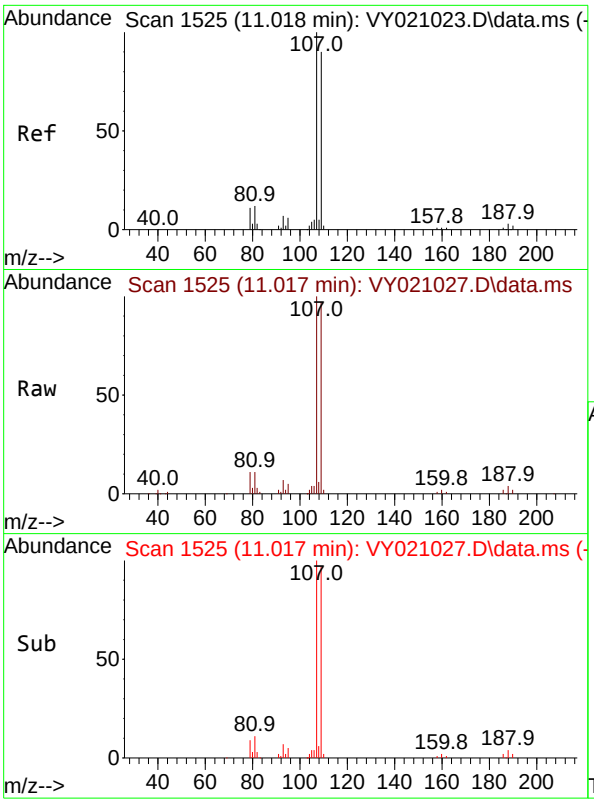


#60
Dibromochloromethane
Concen: 48.123 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:129 Resp: 90009

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.2	117.6

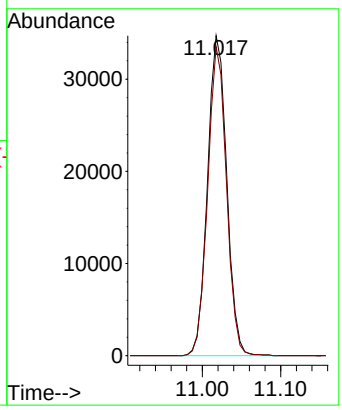




#61
1,2-Dibromoethane
Concen: 47.325 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:107 Resp: 5903

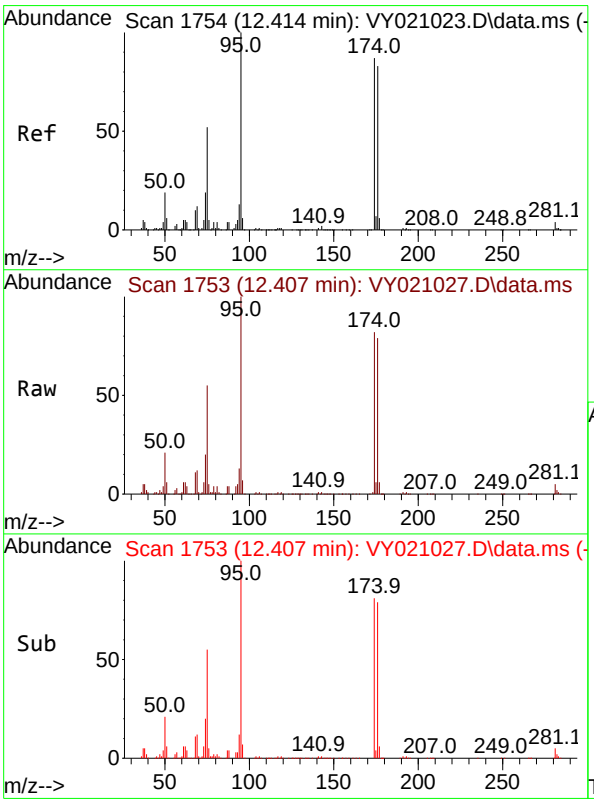
Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

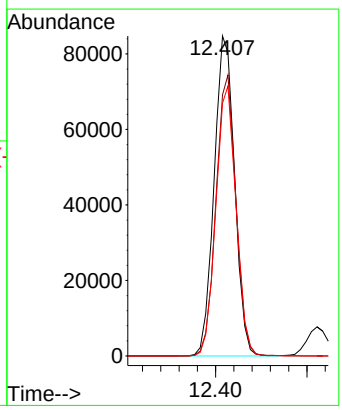
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

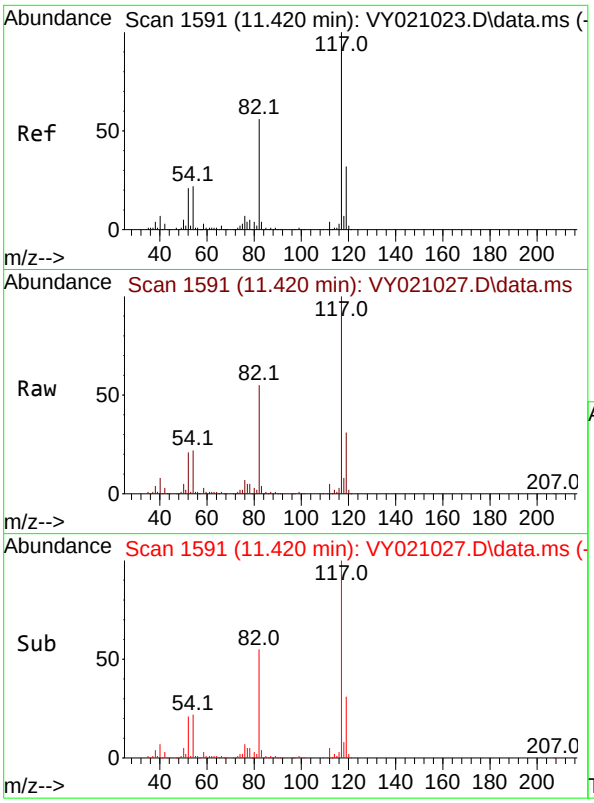


#62
4-Bromofluorobenzene
Concen: 58.919 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 95 Resp: 131943

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	160.0
176	83.2	0.0	151.8

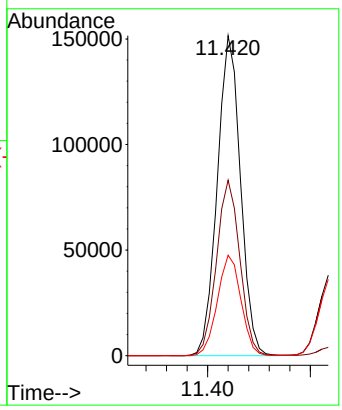




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:117 Resp: 23756

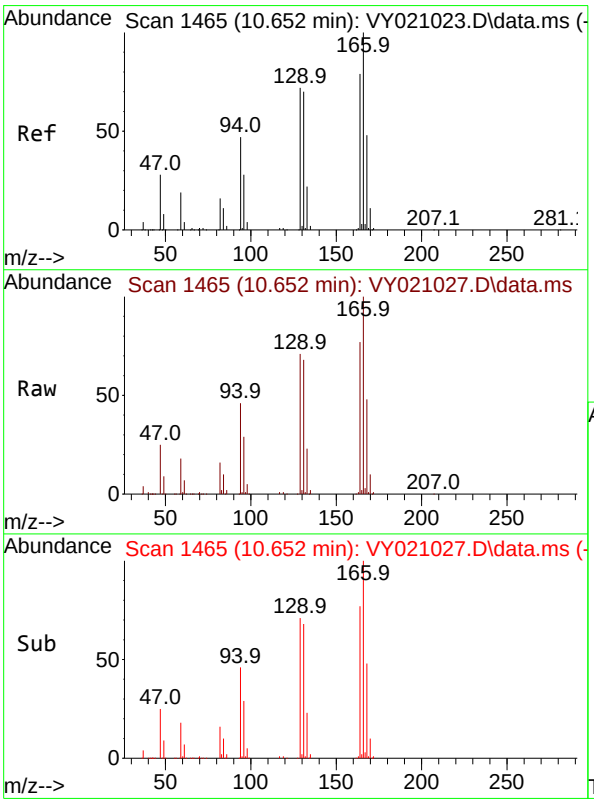
Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.8	65.8
119	31.4	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

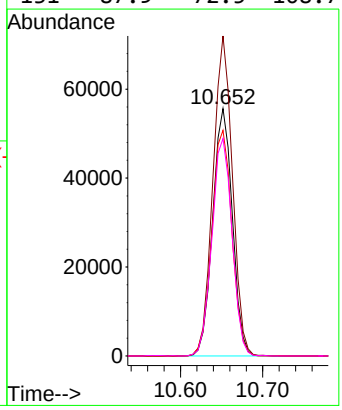
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

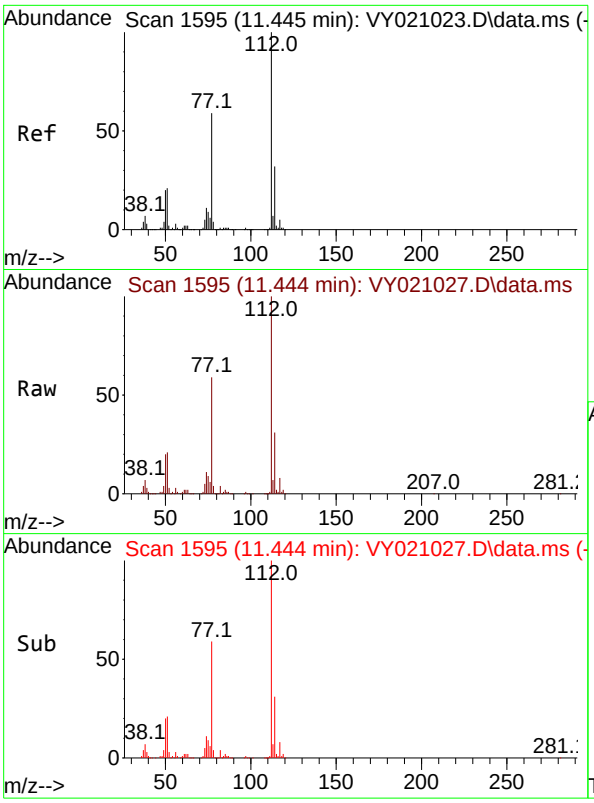


#64
Tetrachloroethene
Concen: 52.446 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:164 Resp: 92493

Ion	Ratio	Lower	Upper
164	100		
166	129.4	98.8	148.2
129	91.2	78.9	118.3
131	87.9	72.5	108.7

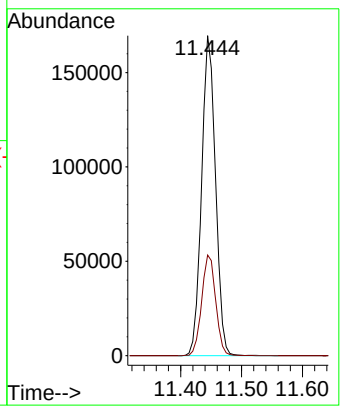




#65
Chlorobenzene
Concen: 50.766 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:112 Resp: 26854

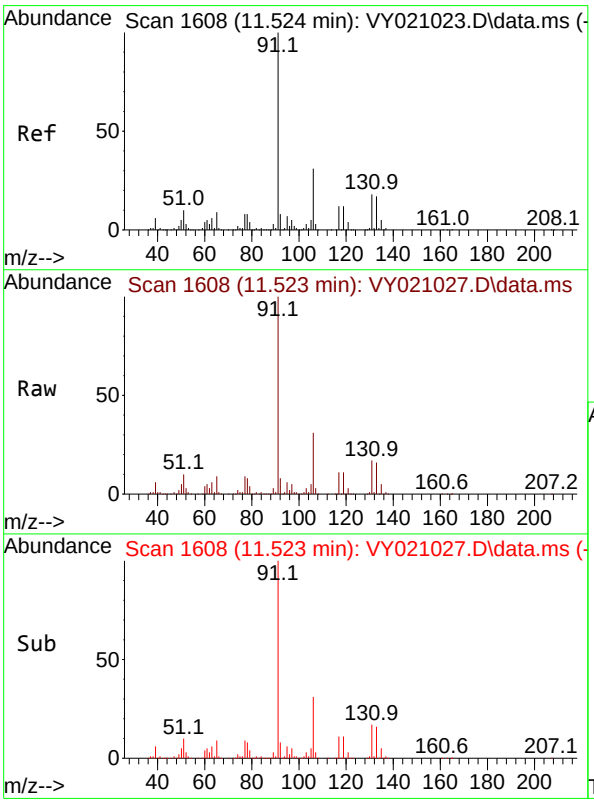
Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

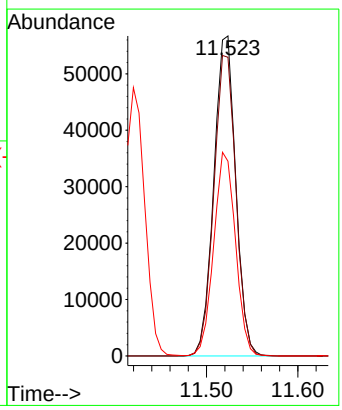
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

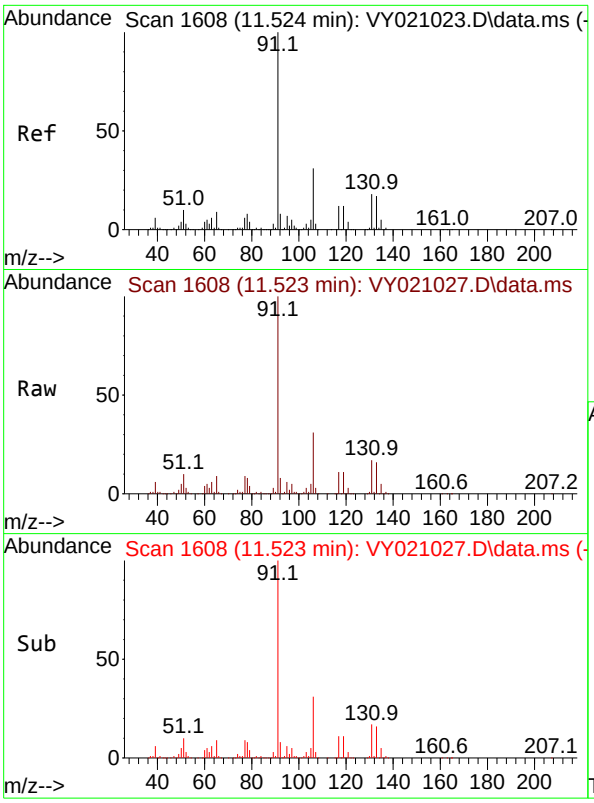


#66
1,1,1,2-Tetrachloroethane
Concen: 50.356 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:131 Resp: 94662

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.0	141.0
119	63.3	33.3	99.9

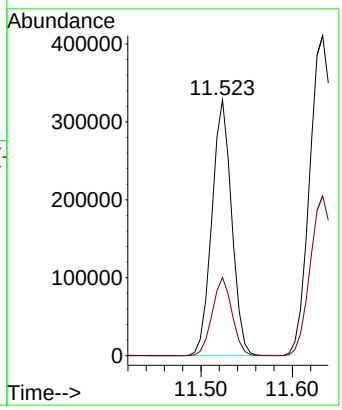




#67
Ethyl Benzene
Concen: 52.642 ug/l
RT: 11.523 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 49253

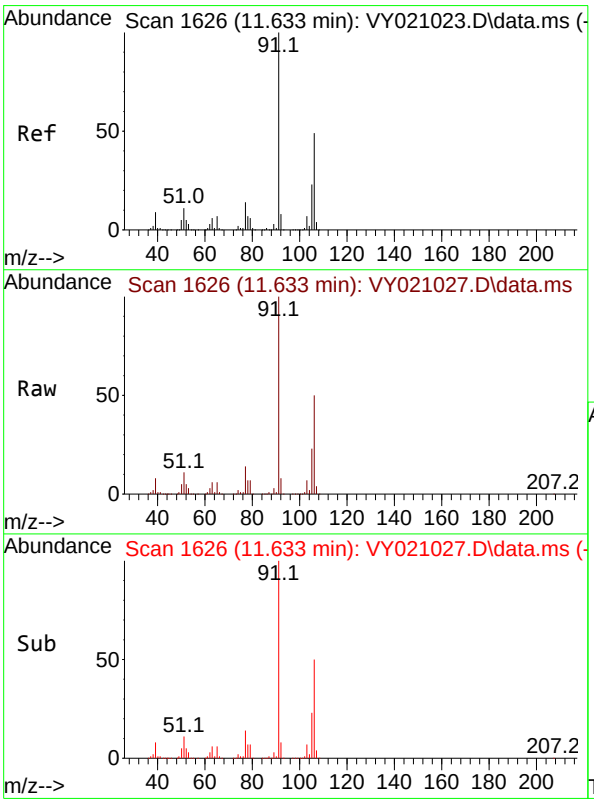
Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

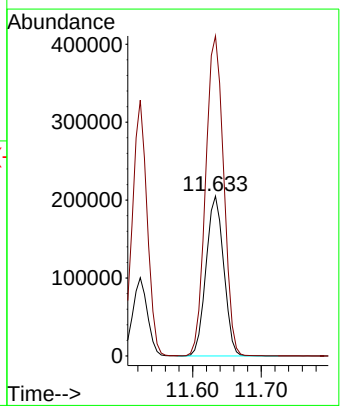
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

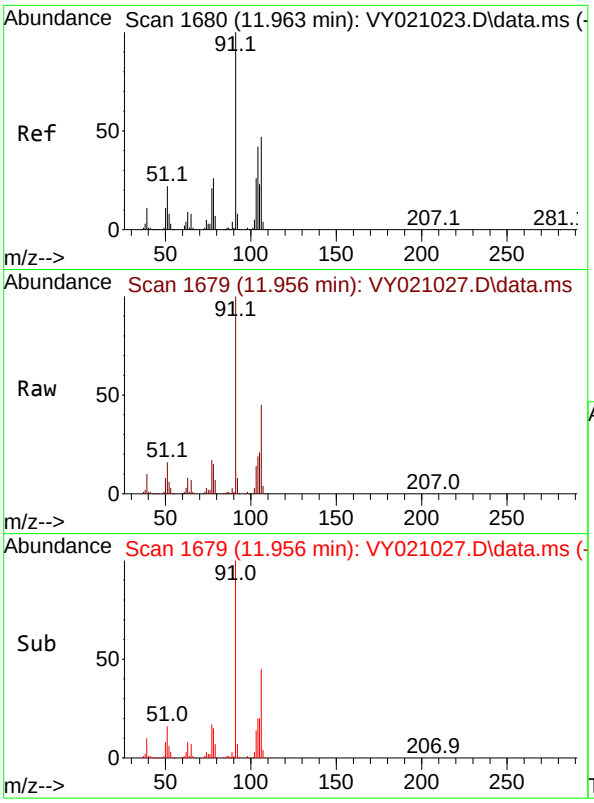


#68
m/p-Xylenes
Concen: 104.978 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:106 Resp: 367445

Ion	Ratio	Lower	Upper
106	100		
91	204.0	160.7	241.1

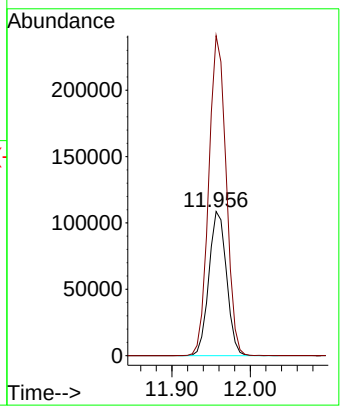




#69
o-Xylene
Concen: 52.062 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:106 Resp: 16989

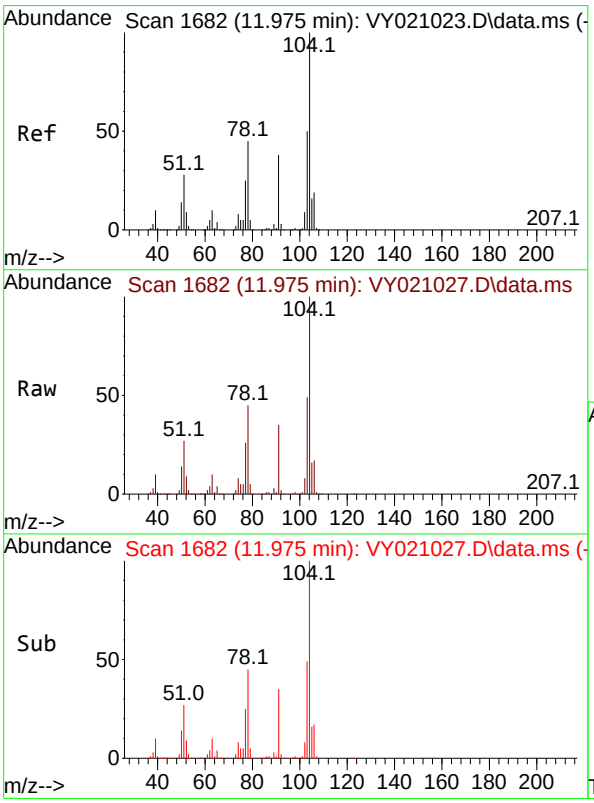
Ion	Ratio	Lower	Upper
106	100		
91	218.5	106.5	319.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

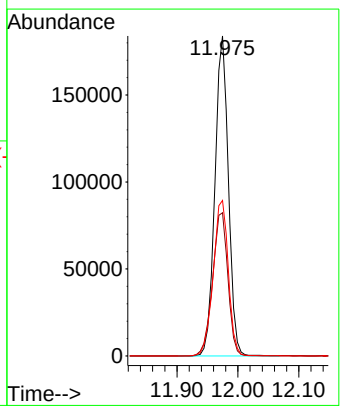
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

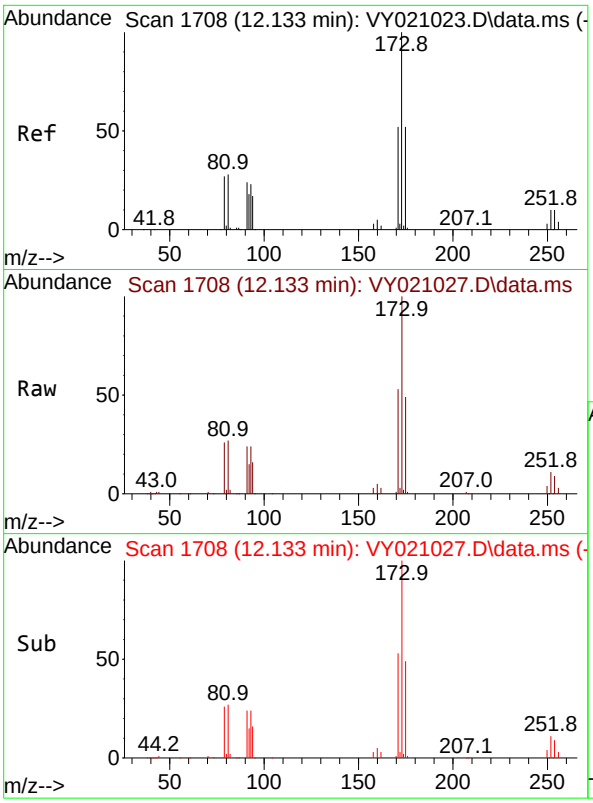


#70
Styrene
Concen: 52.009 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:104 Resp: 282879

Ion	Ratio	Lower	Upper
104	100		
78	50.8	39.2	58.8
103	54.5	43.8	65.6

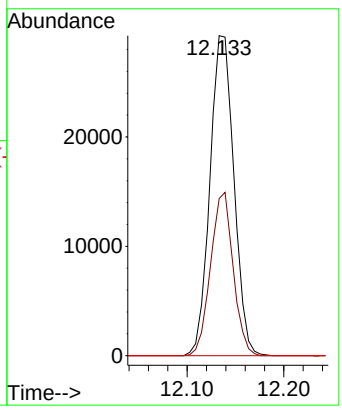




#71
Bromoform
Concen: 48.166 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:173 Resp: 5040

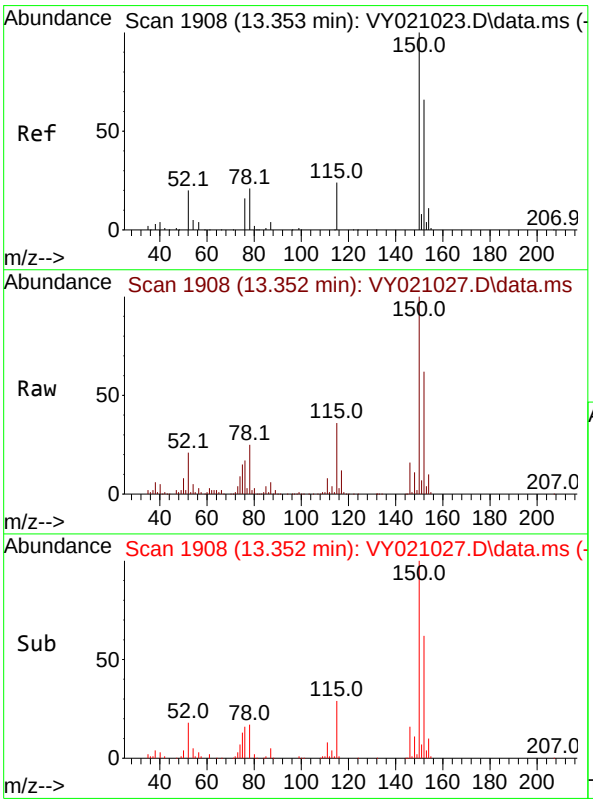
Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

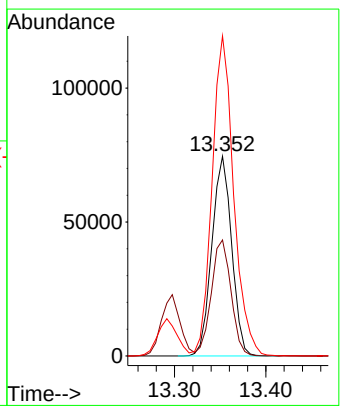
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

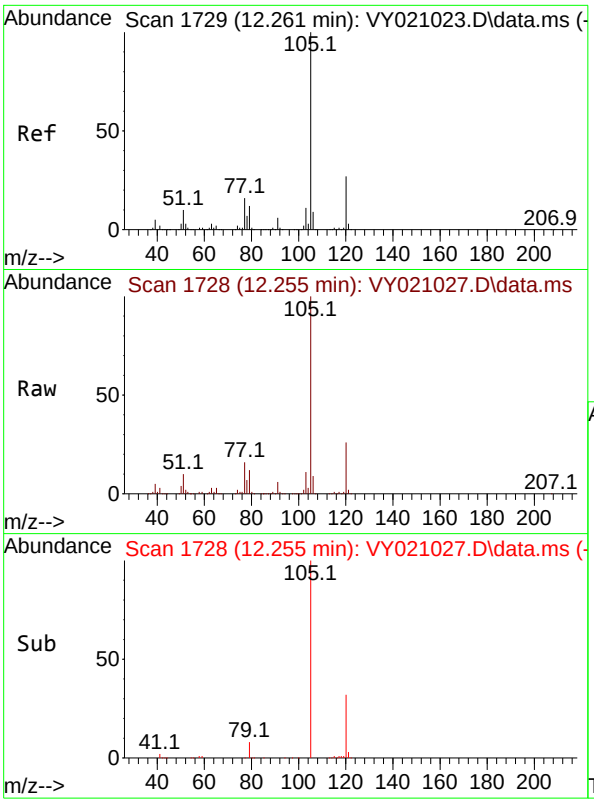


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:152 Resp: 112062

Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.0	90.0
150	175.2	0.0	344.6

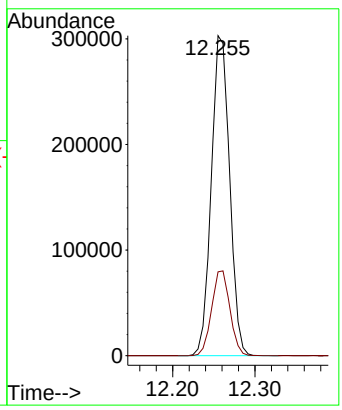




#73
Isopropylbenzene
Concen: 53.377 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 46724

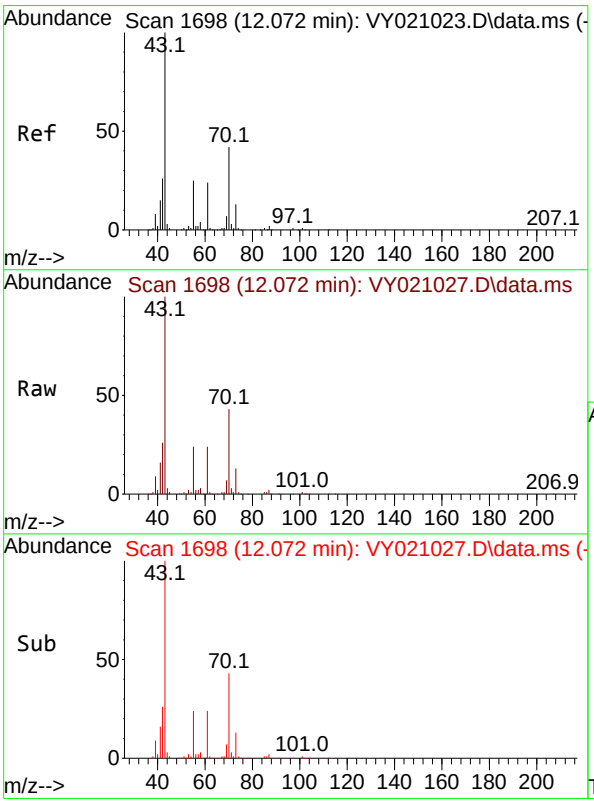
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

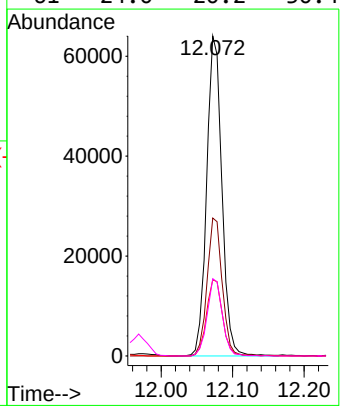
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

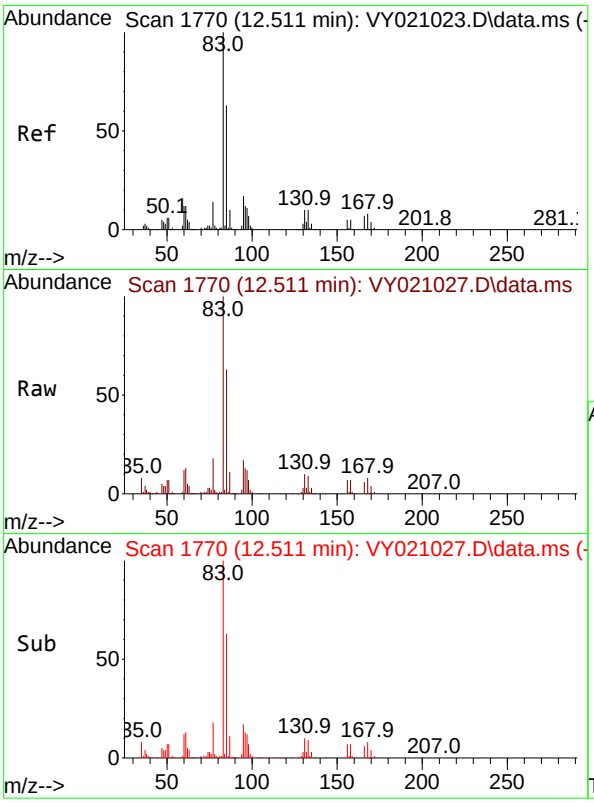


#74
N-amyl acetate
Concen: 49.483 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 94701

Ion	Ratio	Lower	Upper
43	100		
70	42.8	36.6	55.0
55	24.9	22.2	33.4
61	24.0	20.2	30.4

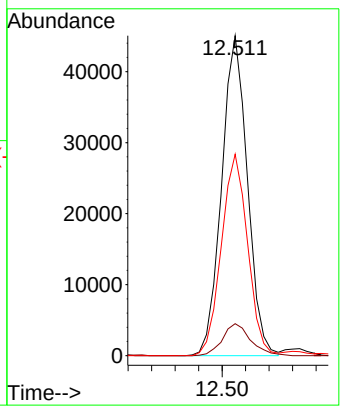




#75
1,1,2,2-Tetrachloroethane
Concen: 47.145 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 83 Resp: 6863

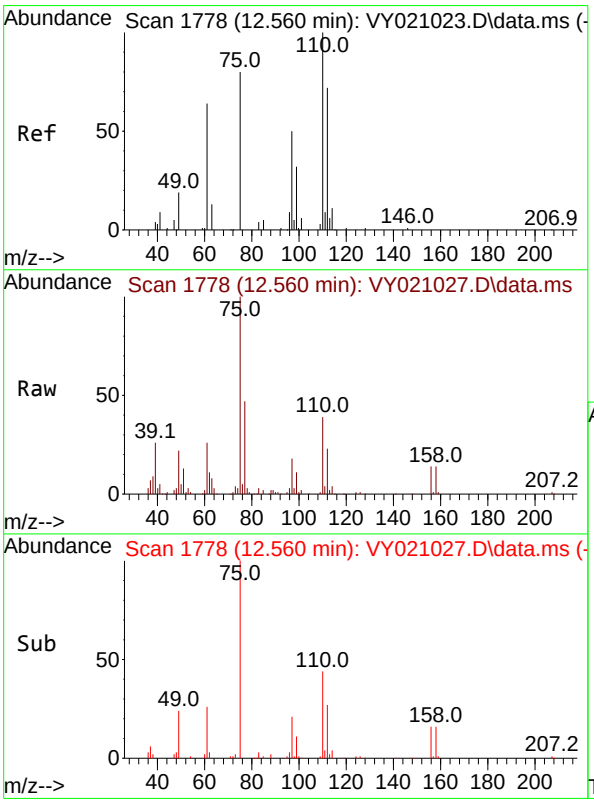
Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.9	14.6
85	64.0	32.6	98.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

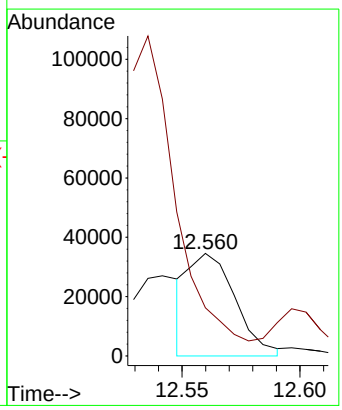
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

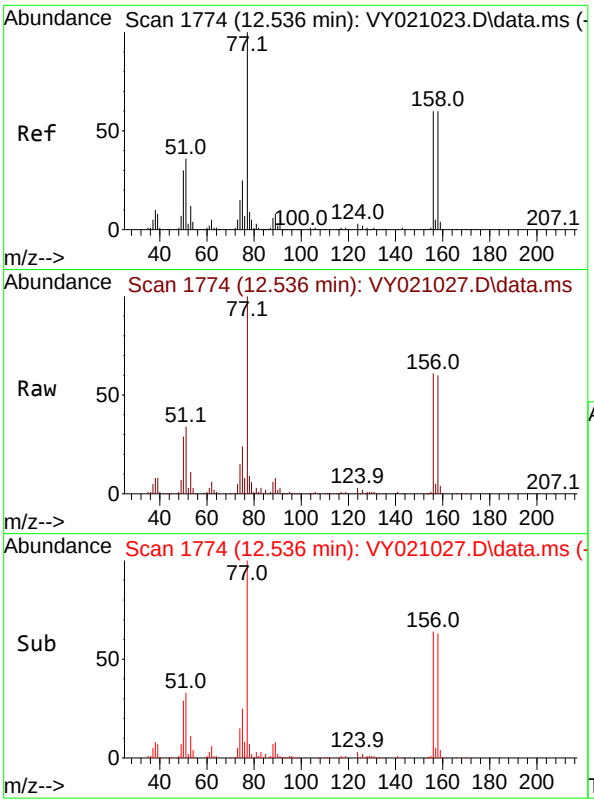


#76
1,2,3-Trichloropropane
Concen: 47.207 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 47988

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

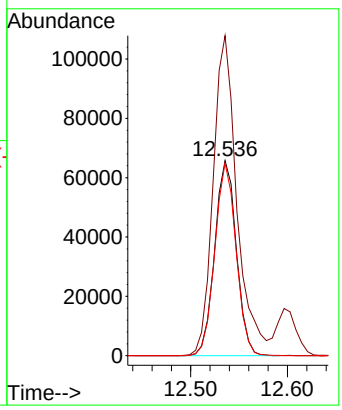




#77
Bromobenzene
Concen: 50.490 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:156 Resp: 10199

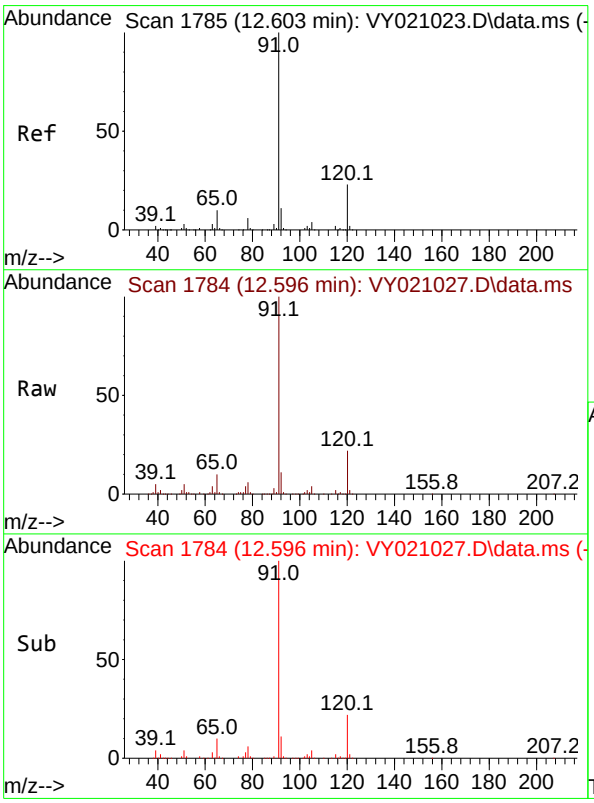
Ion	Ratio	Lower	Upper
156	100		
77	179.9	97.3	291.8
158	96.9	48.4	145.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

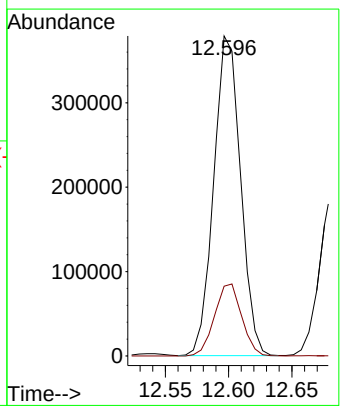
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

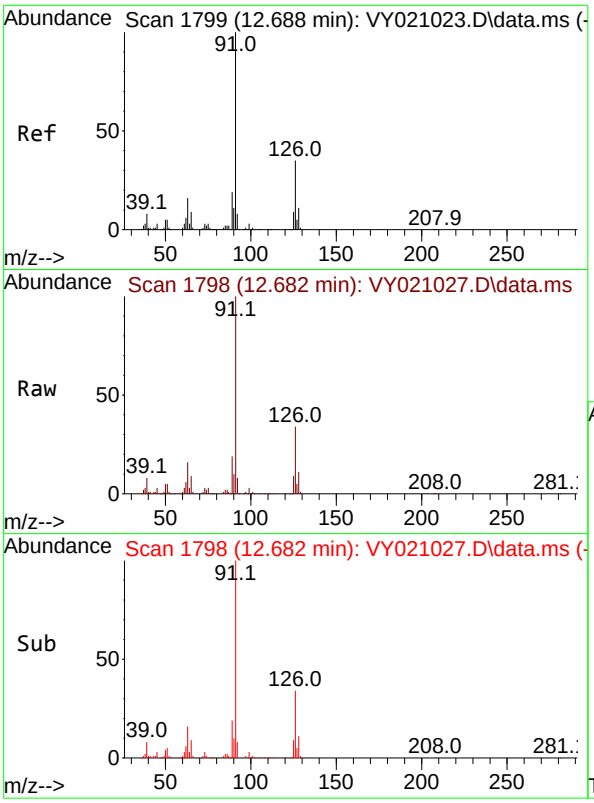


#78
n-propylbenzene
Concen: 53.513 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 558013

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.0	33.0

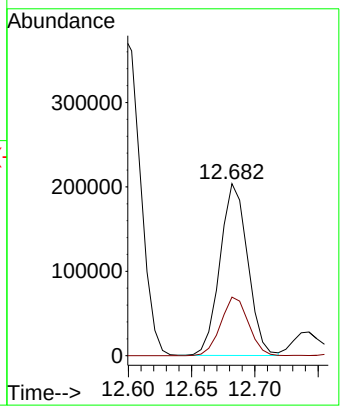




#79
2-Chlorotoluene
Concen: 51.922 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 31009

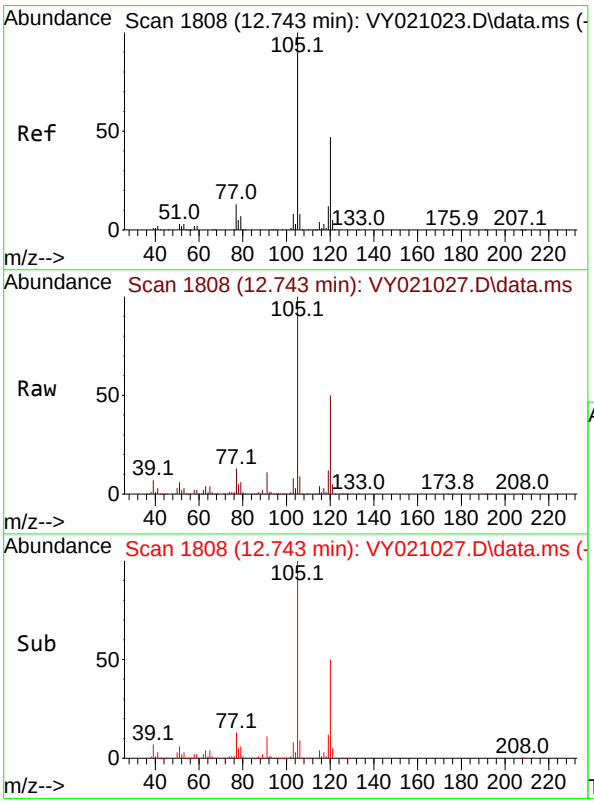
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

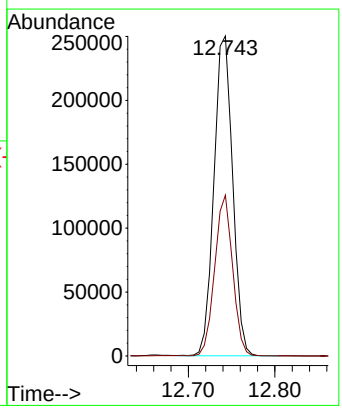
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

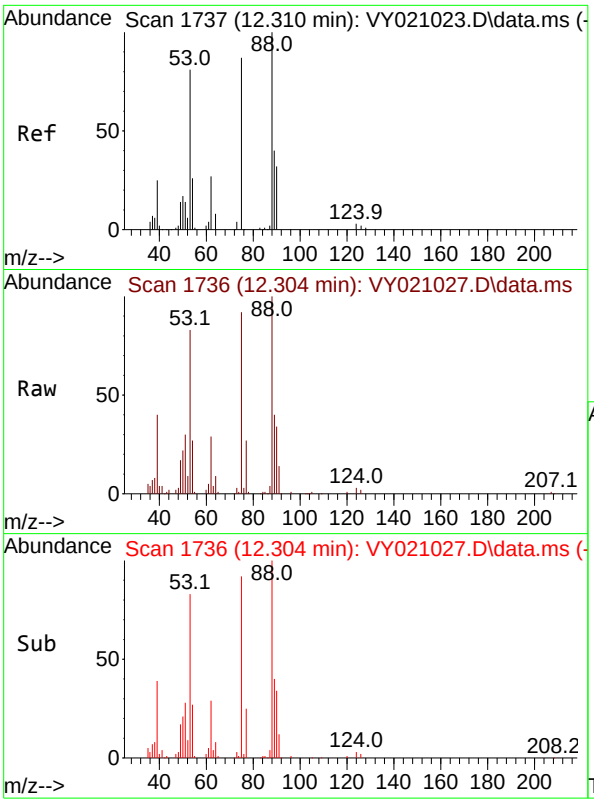


#80
1,3,5-Trimethylbenzene
Concen: 52.840 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 375018

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.3	72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 48.841 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

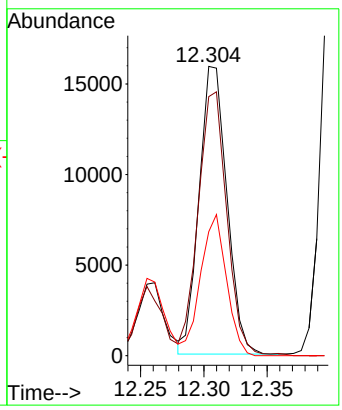
Tgt Ion: 75 Resp: 2433

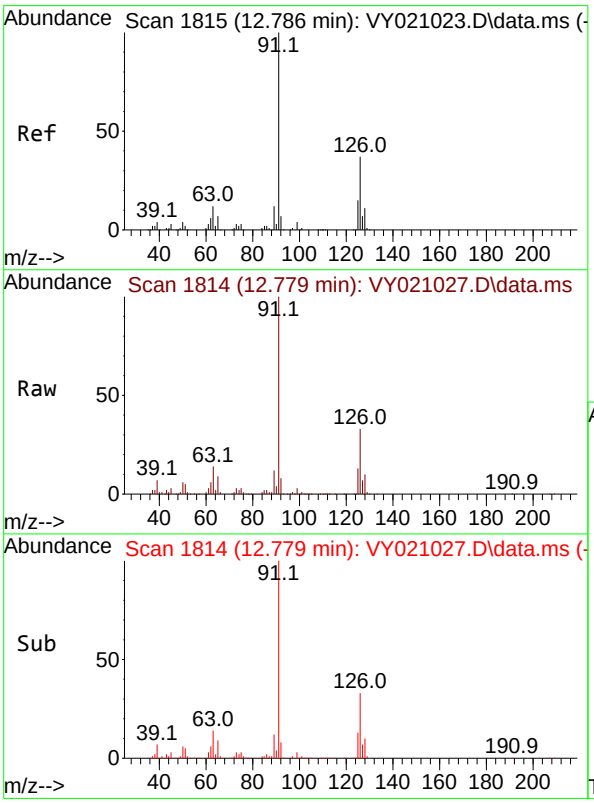
Ion	Ratio	Lower	Upper
75	100		
53	94.8	74.0	111.0
89	45.9	36.5	54.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

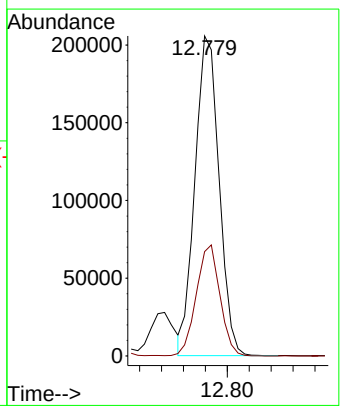


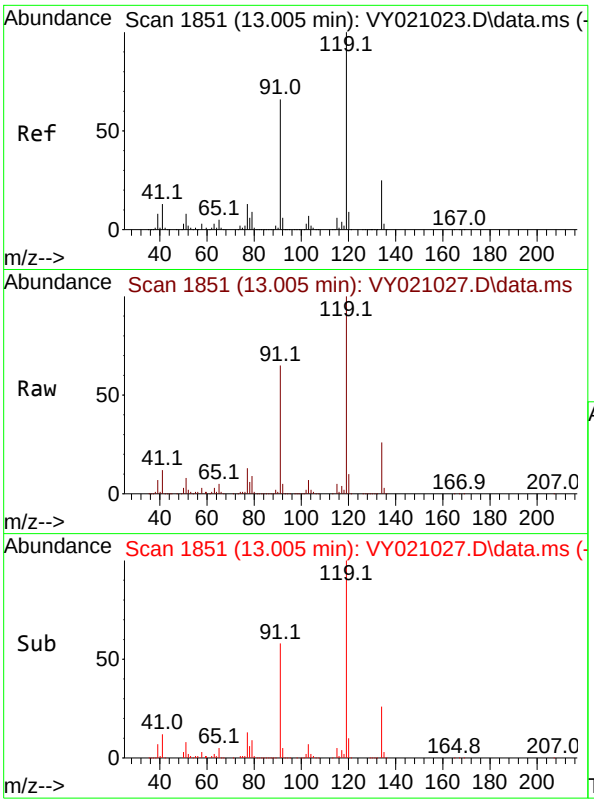


#82
4-Chlorotoluene
Concen: 51.594 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 313949

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.1	51.2

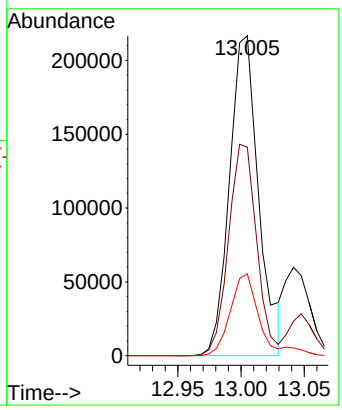




#83
tert-Butylbenzene
Concen: 53.952 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:119 Resp: 34804

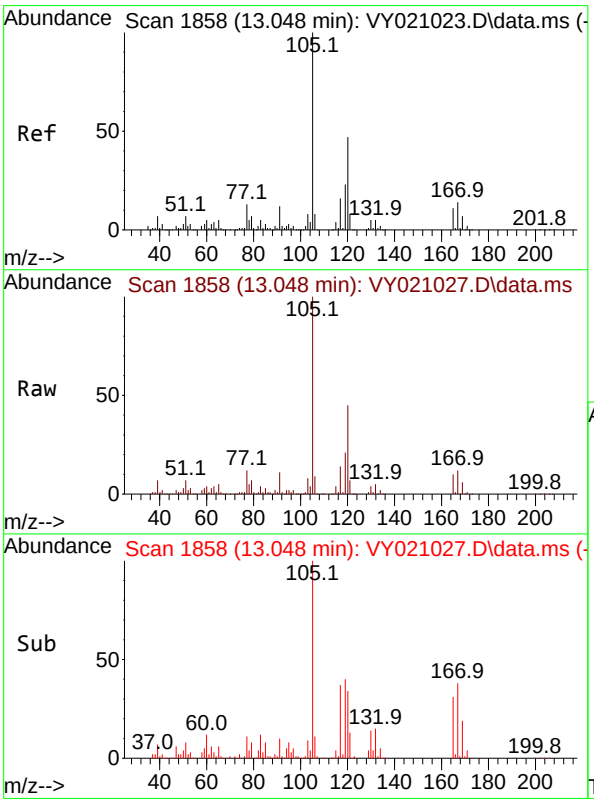
Ion	Ratio	Lower	Upper
119	100		
91	63.9	31.5	94.5
134	25.9	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

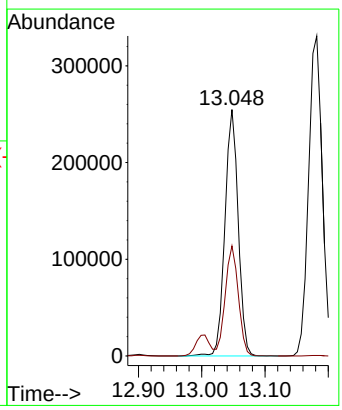
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

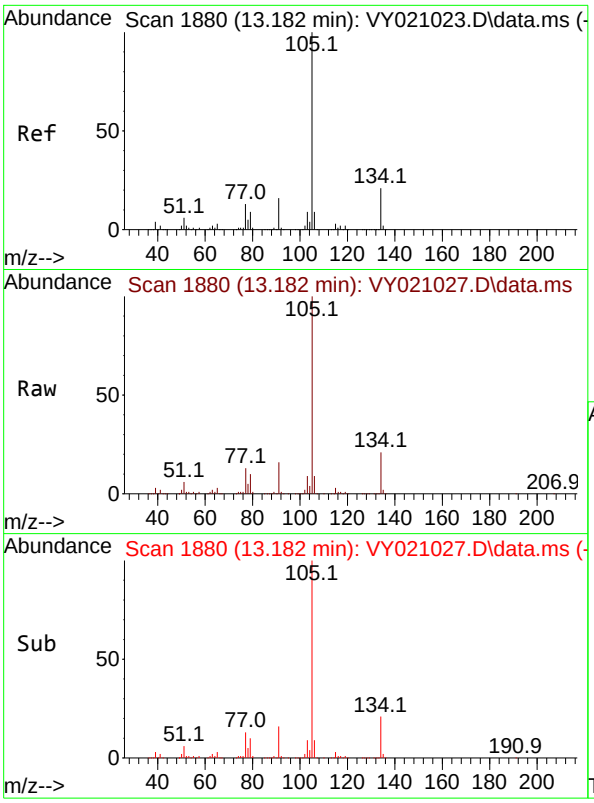


#84
1,2,4-Trimethylbenzene
Concen: 53.370 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 370353

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.3

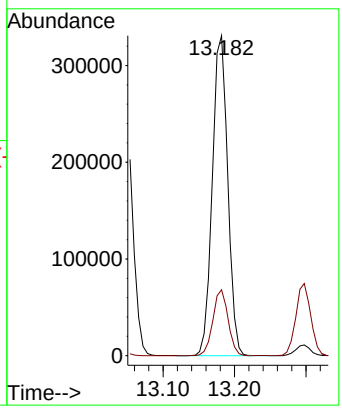




#85
sec-Butylbenzene
Concen: 53.301 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 49495

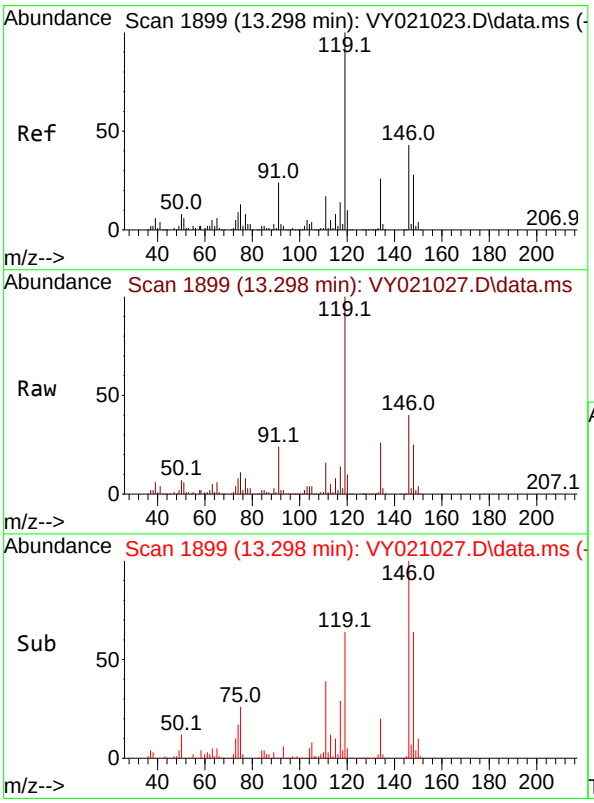
Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

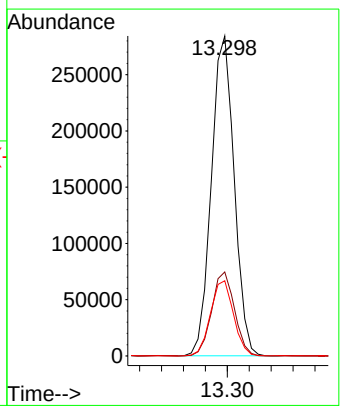
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

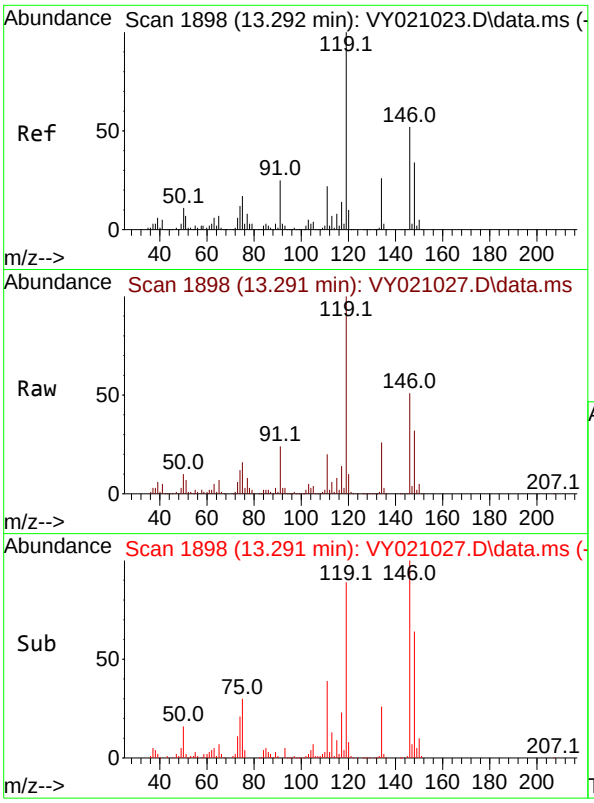


#86
p-Isopropyltoluene
Concen: 53.325 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:119 Resp: 411332

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	23.7	11.7	35.0

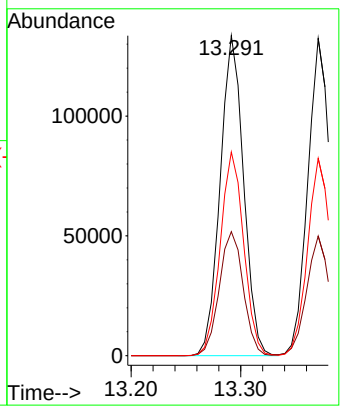




#87
1,3-Dichlorobenzene
Concen: 50.868 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:146 Resp: 19840

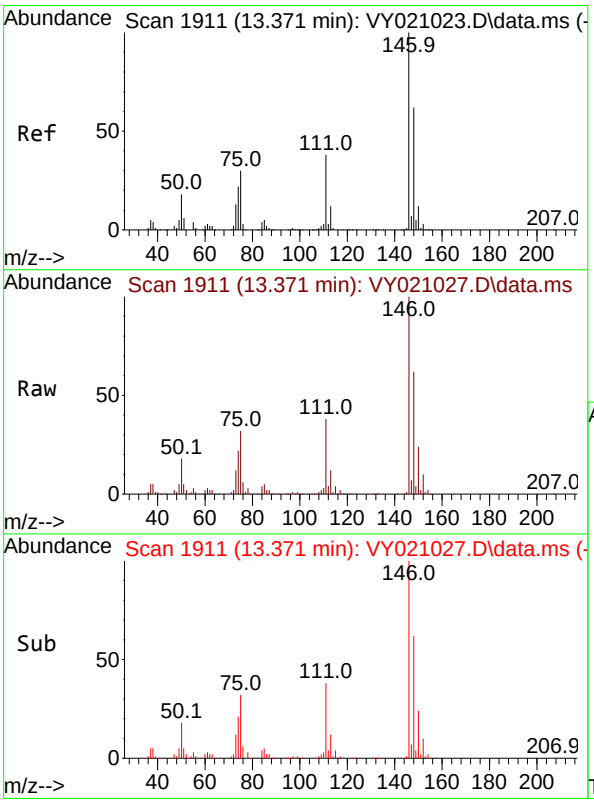
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.5
148	63.8	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

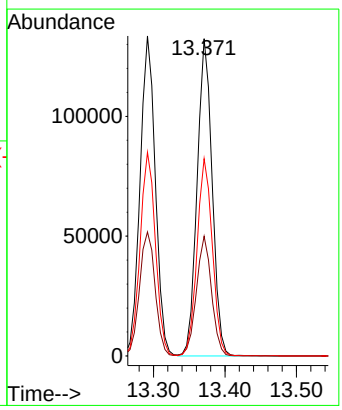
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

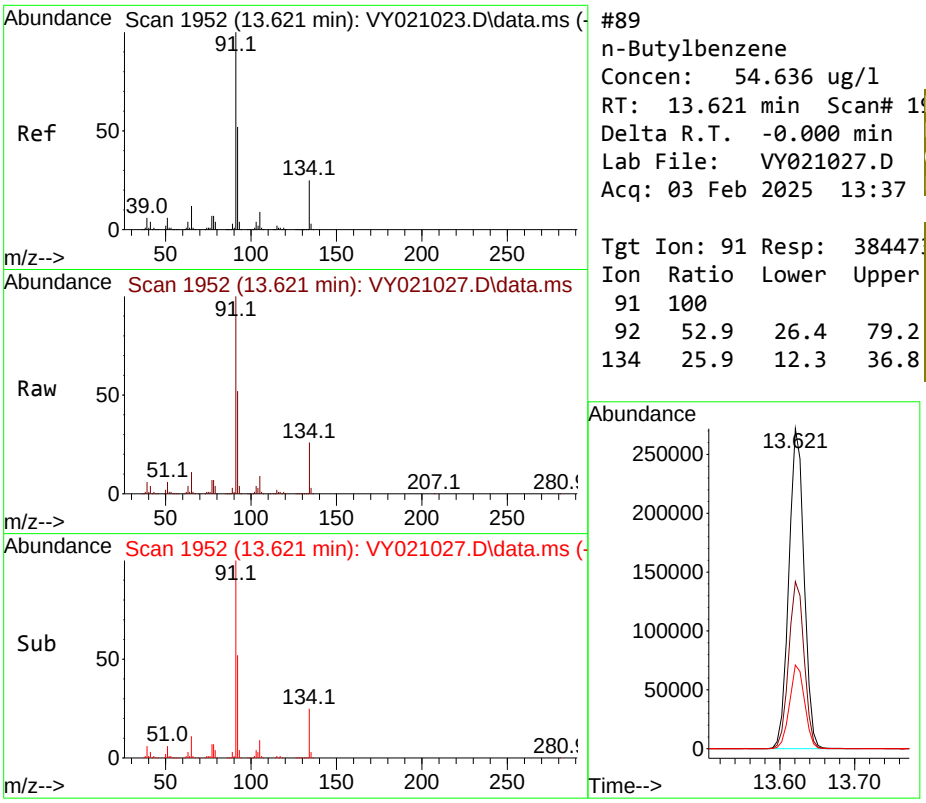


#88
1,4-Dichlorobenzene
Concen: 50.309 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:146 Resp: 193207

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	63.4	31.6	94.7





#89
n-Butylbenzene
Concen: 54.636 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

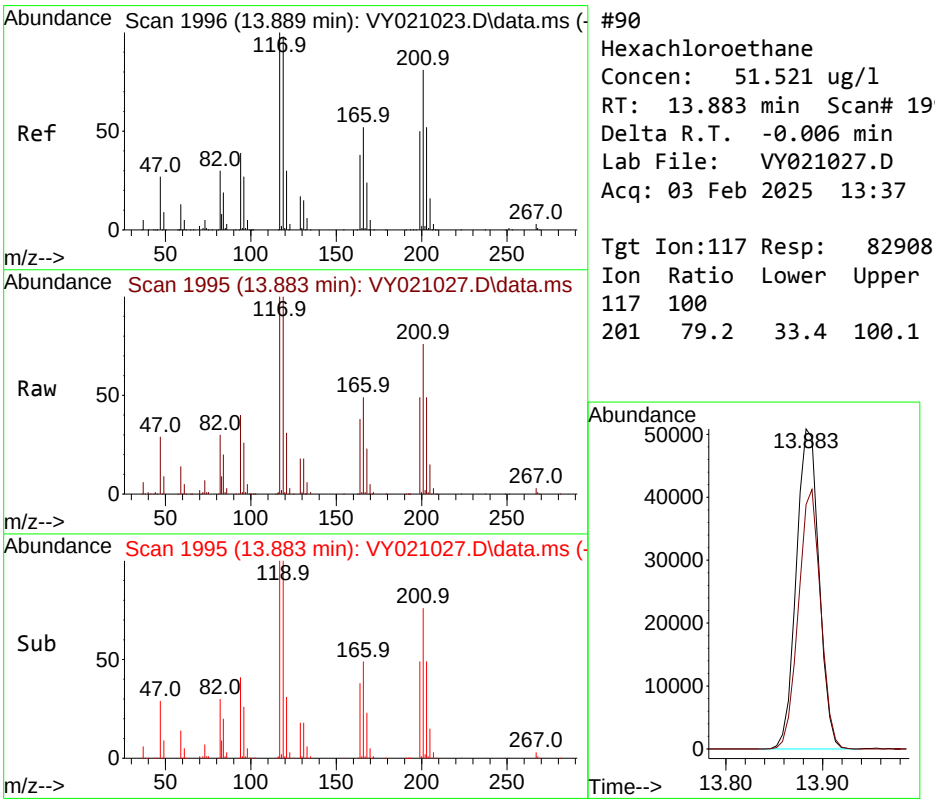
Tgt Ion: 91 Resp: 38447

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	25.9	12.3	36.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

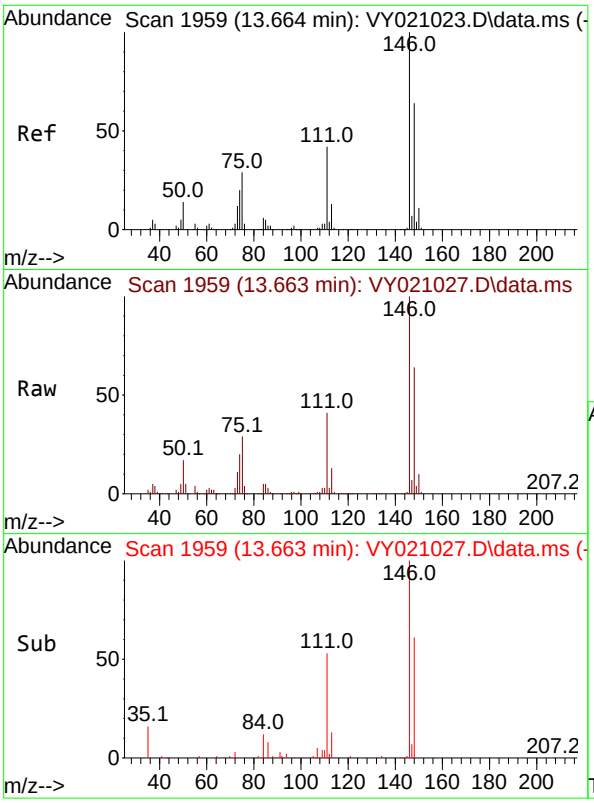
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#90
Hexachloroethane
Concen: 51.521 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:117 Resp: 82908

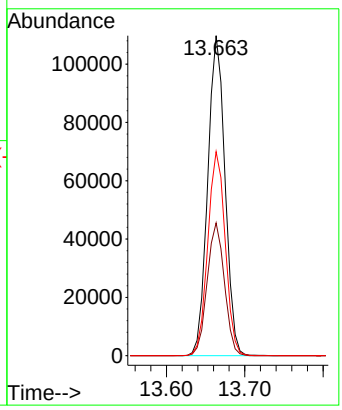
Ion	Ratio	Lower	Upper
117	100		
201	79.2	33.4	100.1



#91
1,2-Dichlorobenzene
Concen: 49.696 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:146 Resp: 16823

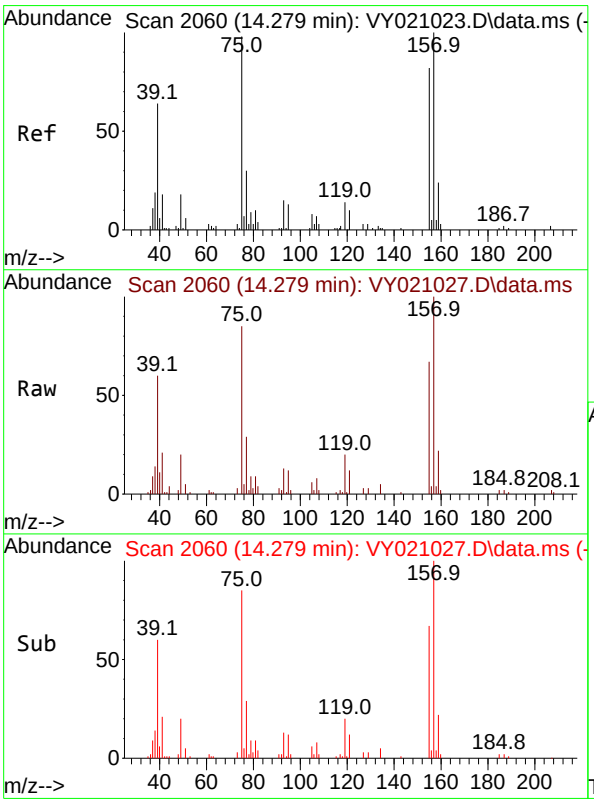
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.6
148	64.3	31.4	94.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

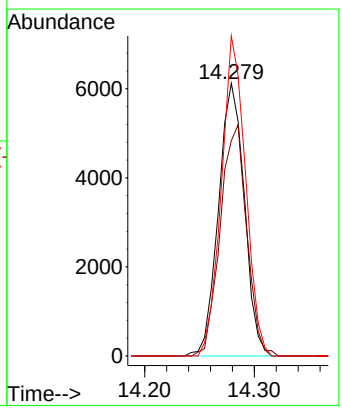
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

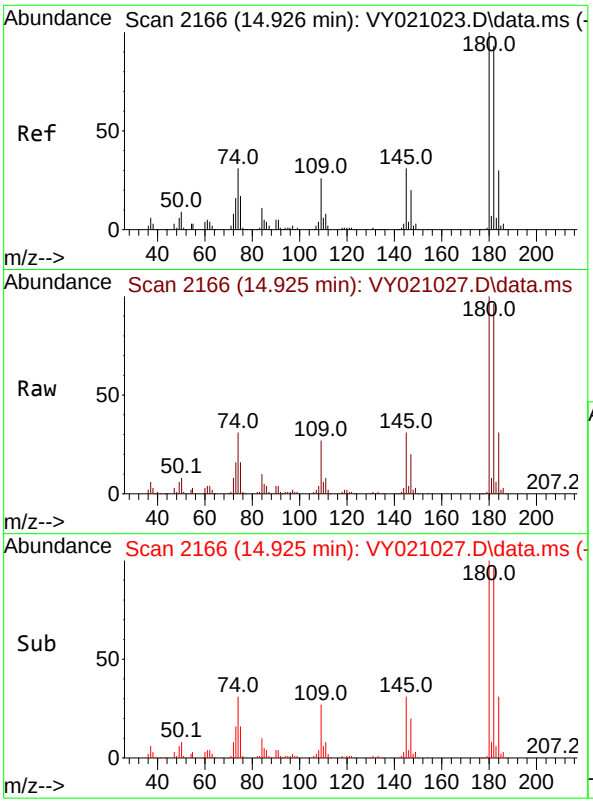


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.965 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 10000

Ion	Ratio	Lower	Upper
75	100		
155	86.6	42.1	126.3
157	109.8	55.8	167.4

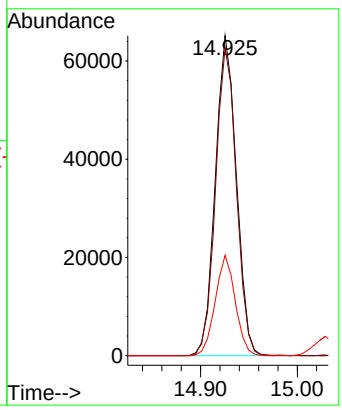




#93
1,2,4-Trichlorobenzene
Concen: 52.224 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:180 Resp: 9840

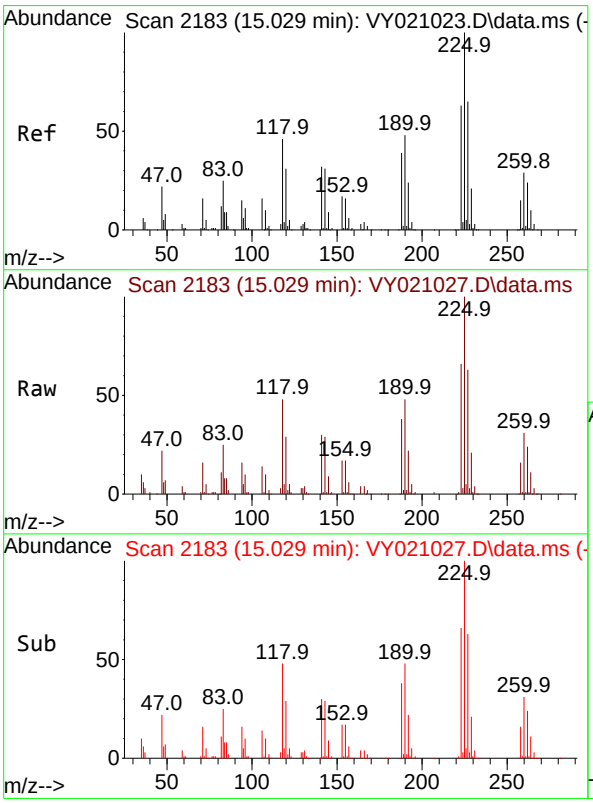
Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	29.9	15.9	47.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

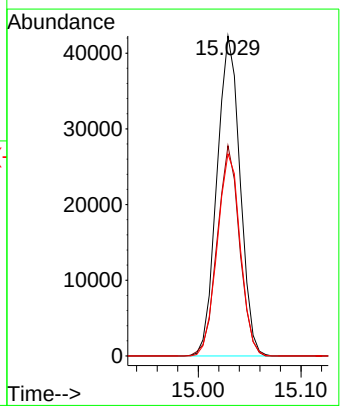
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

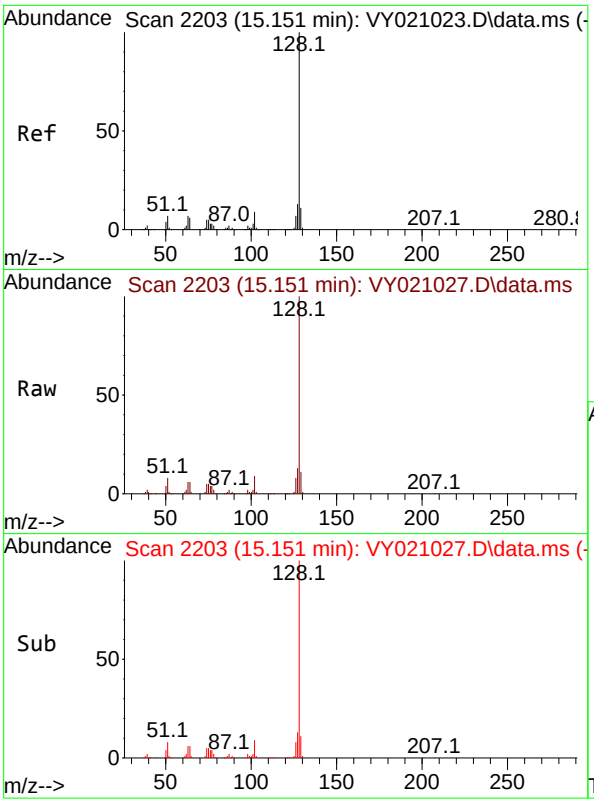


#94
Hexachlorobutadiene
Concen: 52.760 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:225 Resp: 65883

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.4	94.3
227	63.0	32.3	96.8

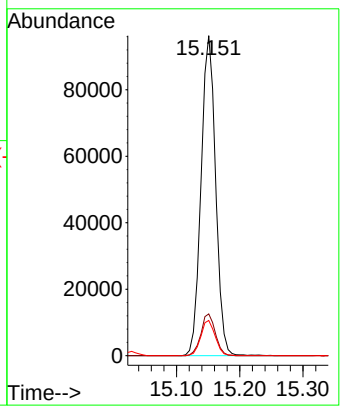




#95
Naphthalene
Concen: 51.245 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:128 Resp: 15449

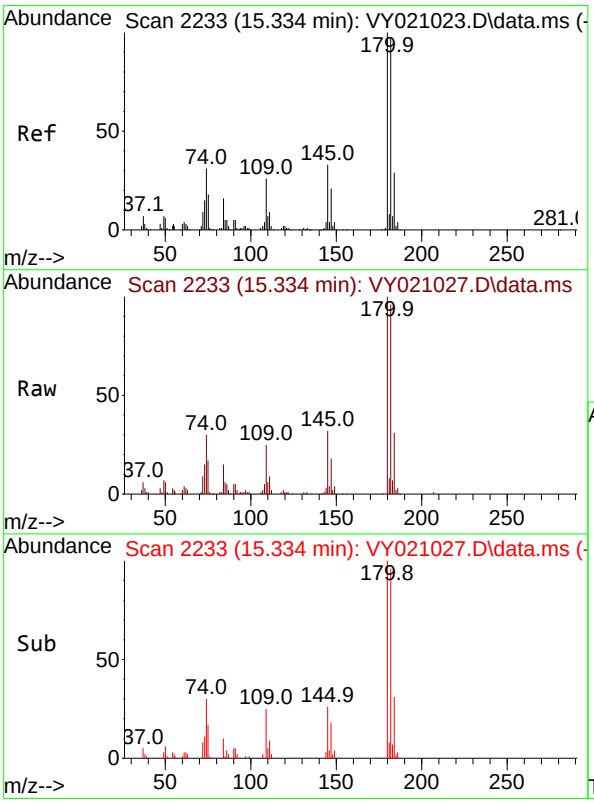
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

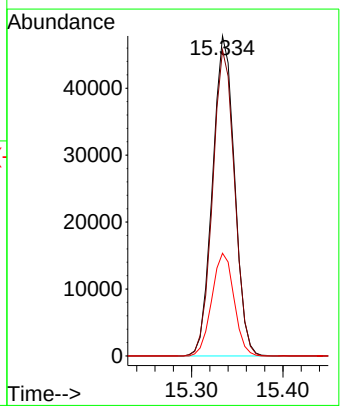
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.882 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:180 Resp: 79793

Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.3	138.8
145	32.5	16.1	48.2



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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	101	0.00
2	T	Dichlorodifluoromethane	0.446	0.466	-4.5	105	0.00
3	P	Chloromethane	0.440	0.457	-3.9	109	0.00
4	C	Vinyl Chloride	0.443	0.452	-2.0#	107	0.00
5	T	Bromomethane	0.274	0.288	-5.1	112	0.00
6	T	Chloroethane	0.263	0.263	0.0	104	0.00
7	T	Trichlorofluoromethane	0.806	0.836	-3.7	107	0.00
8	T	Diethyl Ether	0.252	0.235	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.506	0.521	-3.0	106	0.00
10	T	Methyl Iodide	0.562	0.549	2.3	94	0.00
11	T	Tert butyl alcohol	0.035	0.030	14.3	94	-0.01
12	CM	1,1-Dichloroethene	0.477	0.494	-3.6#	106	0.00
13	T	Acrolein	0.053	0.050	5.7	97	0.00
14	T	Allyl chloride	0.803	0.814	-1.4	102	0.00
15	T	Acrylonitrile	0.105	0.097	7.6	91	0.00
16	T	Acetone	0.080	0.078	2.5	101	-0.01
17	T	Carbon Disulfide	1.495	1.555	-4.0	106	0.00
18	T	Methyl Acetate	0.280	0.258	7.9	90	0.00
19	T	Methyl tert-butyl Ether	1.205	1.146	4.9	95	0.00
20	T	Methylene Chloride	0.497	0.491	1.2	102	0.00
21	T	trans-1,2-Dichloroethene	0.525	0.530	-1.0	102	0.00
22	T	Diisopropyl ether	1.656	1.636	1.2	99	0.00
23	T	Vinyl Acetate	0.923	0.880	4.7	93	0.00
24	P	1,1-Dichloroethane	0.970	0.967	0.3	103	0.00
25	T	2-Butanone	0.131	0.123	6.1	91	0.00
26	T	2,2-Dichloropropane	0.898	0.912	-1.6	105	0.00
27	T	cis-1,2-Dichloroethene	0.604	0.601	0.5	101	0.00
28	T	Bromochloromethane	0.384	0.420	-9.4	102	0.00
29	T	Tetrahydrofuran	0.089	0.081	9.0	89	0.00
30	C	Chloroform	0.997	0.974	2.3#	100	0.00
31	T	Cyclohexane	0.874	0.875	-0.1	106	0.00
32	T	1,1,1-Trichloroethane	0.927	0.938	-1.2	103	0.00
33	S	1,2-Dichloroethane-d4	0.512	0.559	-9.2	112	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.320	0.370	-15.6	116	0.00
36	T	1,1-Dichloropropene	0.475	0.500	-5.3	106	0.00
37	T	Ethyl Acetate	0.208	0.196	5.8	91	0.00
38	T	Carbon Tetrachloride	0.555	0.574	-3.4	103	0.00
39	T	Methylcyclohexane	0.581	0.628	-8.1	105	0.00
40	TM	Benzene	1.393	1.422	-2.1	101	0.00
41	T	Methacrylonitrile	0.120	0.104	13.3	92	0.00
42	TM	1,2-Dichloroethane	0.386	0.370	4.1	96	0.00
43	T	Isopropyl Acetate	0.414	0.393	5.1	92	0.00
44	TM	Trichloroethene	0.360	0.365	-1.4	103	0.00
45	C	1,2-Dichloropropane	0.331	0.328	0.9#	99	0.00
46	T	Dibromomethane	0.183	0.172	6.0	93	0.00
47	T	Bromodichloromethane	0.491	0.479	2.4	98	0.00
48	T	Methyl methacrylate	0.188	0.187	0.5	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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	96	0.00
50	S	Toluene-d8	1.220	1.463	-19.9	120	0.00
51	T	4-Methyl-2-Pentanone	0.208	0.197	5.3	90	0.00
52	CM	Toluene	0.875	0.894	-2.2#	100	0.00
53	T	t-1,3-Dichloropropene	0.441	0.440	0.2	96	0.00
54	T	cis-1,3-Dichloropropene	0.522	0.528	-1.1	99	0.00
55	T	1,1,2-Trichloroethane	0.237	0.222	6.3	93	0.00
56	T	Ethyl methacrylate	0.317	0.311	1.9	91	0.00
57	T	1,3-Dichloropropane	0.410	0.394	3.9	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.151	0.152	-0.7	95	0.00
59	T	2-Hexanone	0.134	0.128	4.5	88	0.00
60	T	Dibromochloromethane	0.333	0.320	3.9	96	0.00
61	T	1,2-Dibromoethane	0.222	0.210	5.4	92	0.00
62	S	4-Bromofluorobenzene	0.399	0.470	-17.8	115	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.371	0.389	-4.9	103	0.00
65	PM	Chlorobenzene	1.113	1.130	-1.5	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.396	0.398	-0.5	99	0.00
67	C	Ethyl Benzene	1.969	2.073	-5.3#	101	0.00
68	T	m/p-Xylenes	0.737	0.773	-4.9	100	0.00
69	T	o-Xylene	0.687	0.715	-4.1	100	0.00
70	T	Styrene	1.145	1.191	-4.0	98	0.00
71	P	Bromoform	0.220	0.212	3.6	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.906	4.170	-6.8	101	0.00
74	T	N-amyl acetate	0.854	0.845	1.1	88	0.00
75	P	1,1,2,2-Tetrachloroethane	0.650	0.612	5.8	90	0.00
76	T	1,2,3-Trichloropropane	0.454	0.428	5.7	86	0.00
77	T	Bromobenzene	0.901	0.910	-1.0	98	0.00
78	T	n-propylbenzene	4.653	4.980	-7.0	101	0.00
79	T	2-Chlorotoluene	2.665	2.767	-3.8	99	0.00
80	T	1,3,5-Trimethylbenzene	3.167	3.347	-5.7	100	0.00
81	T	trans-1,4-Dichloro-2-butene	0.222	0.217	2.3	90	0.00
82	T	4-Chlorotoluene	2.715	2.802	-3.2	99	0.00
83	T	tert-Butylbenzene	2.878	3.106	-7.9	100	0.00
84	T	1,2,4-Trimethylbenzene	3.096	3.305	-6.8	100	0.00
85	T	sec-Butylbenzene	4.143	4.417	-6.6	101	0.00
86	T	p-Isopropyltoluene	3.442	3.671	-6.7	99	0.00
87	T	1,3-Dichlorobenzene	1.740	1.770	-1.7	97	0.00
88	T	1,4-Dichlorobenzene	1.714	1.724	-0.6	96	0.00
89	T	n-Butylbenzene	3.140	3.431	-9.3	101	0.00
90	T	Hexachloroethane	0.718	0.740	-3.1	98	0.00
91	T	1,2-Dichlorobenzene	1.510	1.501	0.6	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.097	0.089	8.2	85	0.00
93	T	1,2,4-Trichlorobenzene	0.841	0.878	-4.4	93	0.00
94	T	Hexachlorobutadiene	0.557	0.588	-5.6	98	0.00
95	T	Naphthalene	1.345	1.379	-2.5	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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	0.700	0.712	-1.7	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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	101	0.00
2	T	Dichlorodifluoromethane	50.000	52.290	-4.6	105	0.00
3	P	Chloromethane	50.000	52.006	-4.0	109	0.00
4	C	Vinyl Chloride	50.000	51.058	-2.1#	107	0.00
5	T	Bromomethane	50.000	52.624	-5.2	112	0.00
6	T	Chloroethane	50.000	49.925	0.2	104	0.00
7	T	Trichlorofluoromethane	50.000	51.864	-3.7	107	0.00
8	T	Diethyl Ether	50.000	46.708	6.6	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.507	-3.0	106	0.00
10	T	Methyl Iodide	50.000	48.858	2.3	94	0.00
11	T	Tert butyl alcohol	250.000	214.161	14.3	94	-0.01
12	CM	1,1-Dichloroethene	50.000	51.810	-3.6#	106	0.00
13	T	Acrolein	250.000	235.305	5.9	97	0.00
14	T	Allyl chloride	50.000	50.663	-1.3	102	0.00
15	T	Acrylonitrile	250.000	230.328	7.9	91	0.00
16	T	Acetone	250.000	243.997	2.4	101	-0.01
17	T	Carbon Disulfide	50.000	52.004	-4.0	106	0.00
18	T	Methyl Acetate	50.000	46.031	7.9	90	0.00
19	T	Methyl tert-butyl Ether	50.000	47.538	4.9	95	0.00
20	T	Methylene Chloride	50.000	49.414	1.2	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.506	-1.0	102	0.00
22	T	Diisopropyl ether	50.000	49.407	1.2	99	0.00
23	T	Vinyl Acetate	250.000	238.370	4.7	93	0.00
24	P	1,1-Dichloroethane	50.000	49.806	0.4	103	0.00
25	T	2-Butanone	250.000	233.503	6.6	91	0.00
26	T	2,2-Dichloropropane	50.000	50.791	-1.6	105	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.785	0.4	101	0.00
28	T	Bromochloromethane	50.000	54.731	-9.5	102	0.00
29	T	Tetrahydrofuran	250.000	228.139	8.7	89	0.00
30	C	Chloroform	50.000	48.846	2.3#	100	0.00
31	T	Cyclohexane	50.000	50.051	-0.1	106	0.00
32	T	1,1,1-Trichloroethane	50.000	50.620	-1.2	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	54.604	-9.2	112	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	57.790	-15.6	116	0.00
36	T	1,1-Dichloropropene	50.000	52.625	-5.3	106	0.00
37	T	Ethyl Acetate	50.000	47.006	6.0	91	0.00
38	T	Carbon Tetrachloride	50.000	51.711	-3.4	103	0.00
39	T	Methylcyclohexane	50.000	54.123	-8.2	105	0.00
40	TM	Benzene	50.000	51.052	-2.1	101	0.00
41	T	Methacrylonitrile	50.000	43.131	13.7	92	0.00
42	TM	1,2-Dichloroethane	50.000	47.910	4.2	96	0.00
43	T	Isopropyl Acetate	50.000	47.523	5.0	92	0.00
44	TM	Trichloroethene	50.000	50.777	-1.6	103	0.00
45	C	1,2-Dichloropropane	50.000	49.666	0.7#	99	0.00
46	T	Dibromomethane	50.000	46.914	6.2	93	0.00
47	T	Bromodichloromethane	50.000	48.799	2.4	98	0.00
48	T	Methyl methacrylate	50.000	49.560	0.9	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1001.398	-0.1	96	0.00
50	S	Toluene-d8	50.000	59.966	-19.9	120	0.00
51	T	4-Methyl-2-Pentanone	250.000	236.615	5.4	90	0.00
52	CM	Toluene	50.000	51.135	-2.3#	100	0.00
53	T	t-1,3-Dichloropropene	50.000	49.950	0.1	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.550	-1.1	99	0.00
55	T	1,1,2-Trichloroethane	50.000	46.820	6.4	93	0.00
56	T	Ethyl methacrylate	50.000	49.082	1.8	91	0.00
57	T	1,3-Dichloropropane	50.000	47.980	4.0	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	251.852	-0.7	95	0.00
59	T	2-Hexanone	250.000	239.750	4.1	88	0.00
60	T	Dibromochloromethane	50.000	48.123	3.8	96	0.00
61	T	1,2-Dibromoethane	50.000	47.325	5.3	92	0.00
62	S	4-Bromofluorobenzene	50.000	58.919	-17.8	115	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	52.446	-4.9	103	0.00
65	PM	Chlorobenzene	50.000	50.766	-1.5	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.356	-0.7	99	0.00
67	C	Ethyl Benzene	50.000	52.642	-5.3#	101	0.00
68	T	m/p-Xylenes	100.000	104.978	-5.0	100	0.00
69	T	o-Xylene	50.000	52.062	-4.1	100	0.00
70	T	Styrene	50.000	52.009	-4.0	98	0.00
71	P	Bromoform	50.000	48.166	3.7	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	53.377	-6.8	101	0.00
74	T	N-amyl acetate	50.000	49.483	1.0	88	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.145	5.7	90	0.00
76	T	1,2,3-Trichloropropane	50.000	47.207	5.6	86	0.00
77	T	Bromobenzene	50.000	50.490	-1.0	98	0.00
78	T	n-propylbenzene	50.000	53.513	-7.0	101	0.00
79	T	2-Chlorotoluene	50.000	51.922	-3.8	99	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.840	-5.7	100	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.841	2.3	90	0.00
82	T	4-Chlorotoluene	50.000	51.594	-3.2	99	0.00
83	T	tert-Butylbenzene	50.000	53.952	-7.9	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.370	-6.7	100	0.00
85	T	sec-Butylbenzene	50.000	53.301	-6.6	101	0.00
86	T	p-Isopropyltoluene	50.000	53.325	-6.7	99	0.00
87	T	1,3-Dichlorobenzene	50.000	50.868	-1.7	97	0.00
88	T	1,4-Dichlorobenzene	50.000	50.309	-0.6	96	0.00
89	T	n-Butylbenzene	50.000	54.636	-9.3	101	0.00
90	T	Hexachloroethane	50.000	51.521	-3.0	98	0.00
91	T	1,2-Dichlorobenzene	50.000	49.696	0.6	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.965	8.1	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.224	-4.4	93	0.00
94	T	Hexachlorobutadiene	50.000	52.760	-5.5	98	0.00
95	T	Naphthalene	50.000	51.245	-2.5	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.882	-1.8	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: MSVOA_Y Calibration Date/Time: 02/04/2025 09:47

Lab File ID: VY021046.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.446	0.470		5.38	20
Chloromethane	0.440	0.443	0.1	0.68	20
Vinyl Chloride	0.443	0.443		0	20
Bromomethane	0.274	0.270		-1.46	20
Chloroethane	0.263	0.263		0	20
Trichlorofluoromethane	0.806	0.812		0.74	20
1,1,2-Trichlorotrifluoroethane	0.506	0.522		3.16	20
Tert butyl alcohol	0.035	0.035		0	20
1,1-Dichloroethene	0.477	0.489		2.52	20
Acetone	0.080	0.085		6.25	20
Carbon Disulfide	1.495	1.571		5.08	20
Methyl tert-butyl Ether	1.205	1.270		5.39	20
Methyl Acetate	0.280	0.312		11.43	20
Methylene Chloride	0.497	0.513		3.22	20
trans-1,2-Dichloroethene	0.525	0.550		4.76	20
1,1-Dichloroethane	0.970	1.014	0.1	4.54	20
Cyclohexane	0.874	0.883		1.03	20
2-Butanone	0.131	0.143		9.16	20
Carbon Tetrachloride	0.555	0.591		6.49	20
cis-1,2-Dichloroethene	0.604	0.639		5.8	20
Bromochloromethane	0.384	0.407		5.99	20
Chloroform	0.997	1.045		4.81	20
1,1,1-Trichloroethane	0.927	0.969		4.53	20
Methylcyclohexane	0.581	0.623		7.23	20
Benzene	1.393	1.501		7.75	20
1,2-Dichloroethane	0.386	0.414		7.25	20
Trichloroethene	0.360	0.380		5.56	20
1,2-Dichloropropane	0.331	0.357		7.86	20
Bromodichloromethane	0.491	0.518		5.5	20
4-Methyl-2-Pentanone	0.208	0.238		14.42	20
Toluene	0.875	0.954		9.03	20
t-1,3-Dichloropropene	0.441	0.486		10.2	20
cis-1,3-Dichloropropene	0.522	0.569		9	20
1,1,2-Trichloroethane	0.237	0.253		6.75	20
2-Hexanone	0.134	0.157		17.16	20
Dibromochloromethane	0.333	0.359		7.81	20
1,2-Dibromoethane	0.222	0.240		8.11	20
Tetrachloroethene	0.371	0.387		4.31	20

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

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: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: MSVOA_Y Calibration Date/Time: 02/04/2025 09:47

Lab File ID: VY021046.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.113	1.159	0.3	4.13	20
Ethyl Benzene	1.969	2.119		7.62	20
m/p-Xylenes	0.737	0.793		7.6	20
o-Xylene	0.687	0.747		8.73	20
Styrene	1.145	1.261		10.13	20
Bromoform	0.220	0.240	0.1	9.09	20
Isopropylbenzene	3.906	4.054		3.76	20
1,1,2,2-Tetrachloroethane	0.650	0.677	0.3	4.15	20
1,3-Dichlorobenzene	1.740	1.821		4.66	20
1,4-Dichlorobenzene	1.714	1.787		4.26	20
1,2-Dichlorobenzene	1.510	1.568		3.84	20
1,2-Dibromo-3-Chloropropane	0.097	0.101		4.12	20
1,2,4-Trichlorobenzene	0.841	0.932		10.82	20
1,2,3-Trichlorobenzene	0.700	0.777		11	20
1,2-Dichloroethane-d4	0.512	0.534		4.3	20
Dibromofluoromethane	0.320	0.343		7.19	20
Toluene-d8	1.220	1.329		8.93	20
4-Bromofluorobenzene	0.399	0.446		11.78	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\VY020425\
Data File : VY021046.D
Acq On : 04 Feb 2025 09:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 00:42:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	154178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	233780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	206737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	102470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	82293	52.095	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.180%			
35) Dibromofluoromethane	7.640	113	80083	53.452	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.900%			
50) Toluene-d8	10.109	98	310687	54.470	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.940%			
62) 4-Bromofluorobenzene	12.407	95	104152	55.893	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	72438	52.714	ug/l	98
3) Chloromethane	2.074	50	68247	50.330	ug/l	95
4) Vinyl Chloride	2.208	62	68325	50.061	ug/l	99
5) Bromomethane	2.598	94	41627	49.347	ug/l	96
6) Chloroethane	2.738	64	40570	49.935	ug/l	94
7) Trichlorofluoromethane	3.068	101	125251	50.372	ug/l	99
8) Diethyl Ether	3.458	74	39653	51.084	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	80448	51.550	ug/l	96
10) Methyl Iodide	4.012	142	91056	52.519	ug/l	93
11) Tert butyl alcohol	4.860	59	26996	252.187	ug/l	98
12) 1,1-Dichloroethene	3.793	96	75364	51.266	ug/l	92
13) Acrolein	3.653	56	39952	242.367	ug/l	98
14) Allyl chloride	4.390	41	131719	53.165	ug/l	95
15) Acrylonitrile	5.061	53	87375	270.313	ug/l	98
16) Acetone	3.872	43	65883	267.440	ug/l	97
17) Carbon Disulfide	4.110	76	242282	52.559	ug/l	99
18) Methyl Acetate	4.390	43	48049	55.562	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	195771	52.689	ug/l	99
20) Methylene Chloride	4.622	84	79068	51.630	ug/l	93
21) trans-1,2-Dichloroethene	5.122	96	84741	52.369	ug/l	96
22) Diisopropyl ether	6.024	45	277295	54.300	ug/l	97
23) Vinyl Acetate	5.963	43	779586	273.844	ug/l	97
24) 1,1-Dichloroethane	5.921	63	156317	52.245	ug/l	97
25) 2-Butanone	6.896	43	110174	272.159	ug/l	97
26) 2,2-Dichloropropane	6.890	77	143867	51.967	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	98474	52.870	ug/l	96
28) Bromochloromethane	7.250	49	62695	52.992	ug/l	98
29) Tetrahydrofuran	7.262	42	76116	277.873	ug/l	95
30) Chloroform	7.426	83	161057	52.406	ug/l	99
31) Cyclohexane	7.707	56	136180	50.543	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	149391	52.284	ug/l	100
36) 1,1-Dichloropropene	7.841	75	118925	53.591	ug/l	98
37) Ethyl Acetate	6.981	43	54605	56.091	ug/l	98
38) Carbon Tetrachloride	7.823	117	138223	53.307	ug/l	99
39) Methylcyclohexane	9.109	83	145702	53.677	ug/l	98
40) Benzene	8.085	78	350936	53.888	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021046.D
Acq On : 04 Feb 2025 09:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 00:42:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.225	41	25427	45.147 ug/l #	84
42) 1,2-Dichloroethane	8.158	62	96687	53.521 ug/l	96
43) Isopropyl Acetate	8.201	43	107615	55.633 ug/l #	84
44) Trichloroethene	8.871	130	88871	52.820 ug/l	93
45) 1,2-Dichloropropane	9.146	63	83455	53.991 ug/l	99
46) Dibromomethane	9.237	93	46115	53.884 ug/l	96
47) Bromodichloromethane	9.426	83	121213	52.810 ug/l	99
48) Methyl methacrylate	9.225	41	50081	56.838 ug/l	92
49) 1,4-Dioxane	9.225	88	9165	1150.358 ug/l	88
51) 4-Methyl-2-Pentanone	9.999	43	277997	285.788 ug/l	96
52) Toluene	10.176	92	223128	54.566 ug/l	99
53) t-1,3-Dichloropropene	10.395	75	113590	55.115 ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	133048	54.522 ug/l	92
55) 1,1,2-Trichloroethane	10.578	97	59199	53.417 ug/l	97
56) Ethyl methacrylate	10.444	69	83819	56.536 ug/l	90
57) 1,3-Dichloropropane	10.719	76	106023	55.271 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	162803	230.818 ug/l	99
59) 2-Hexanone	10.761	43	183839	293.528 ug/l	96
60) Dibromochloromethane	10.914	129	84035	53.995 ug/l	98
61) 1,2-Dibromoethane	11.017	107	56133	54.075 ug/l	100
64) Tetrachloroethene	10.652	164	80010	52.134 ug/l	97
65) Chlorobenzene	11.444	112	239533	52.034 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.523	131	85270	52.124 ug/l	98
67) Ethyl Benzene	11.523	91	438006	53.795 ug/l	100
68) m/p-Xylenes	11.633	106	327944	107.665 ug/l	98
69) o-Xylene	11.956	106	154451	54.388 ug/l	98
70) Styrene	11.974	104	260738	55.088 ug/l	99
71) Bromoform	12.139	173	49616	54.488 ug/l #	99
73) Isopropylbenzene	12.261	105	415362	51.892 ug/l	100
74) N-amyl acetate	12.072	43	95822	54.756 ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	69410	52.140 ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	47604m	51.213 ug/l	
77) Bromobenzene	12.535	156	94814	51.330 ug/l	93
78) n-propylbenzene	12.596	91	503375	52.792 ug/l	99
79) 2-Chlorotoluene	12.682	91	283562	51.924 ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	343866	52.986 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	23169	50.860 ug/l	92
82) 4-Chlorotoluene	12.779	91	291090	52.316 ug/l	100
83) tert-Butylbenzene	12.999	119	312620	52.997 ug/l	99
84) 1,2,4-Trimethylbenzene	13.047	105	339419	53.490 ug/l	100
85) sec-Butylbenzene	13.182	105	449069	52.886 ug/l	98
86) p-Isopropyltoluene	13.297	119	377440	53.511 ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	186592	52.317 ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	183116	52.145 ug/l	99
89) n-Butylbenzene	13.621	91	352502	54.781 ug/l	99
90) Hexachloroethane	13.883	117	76651	52.092 ug/l	85
91) 1,2-Dichlorobenzene	13.663	146	160683	51.907 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	10324	51.897 ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	95483	55.414 ug/l	98
94) Hexachlorobutadiene	15.029	225	61275	53.663 ug/l	99
95) Naphthalene	15.151	128	154449	56.026 ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	79572	55.491 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021046.D
Acq On : 04 Feb 2025 09:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 00:42:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

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

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

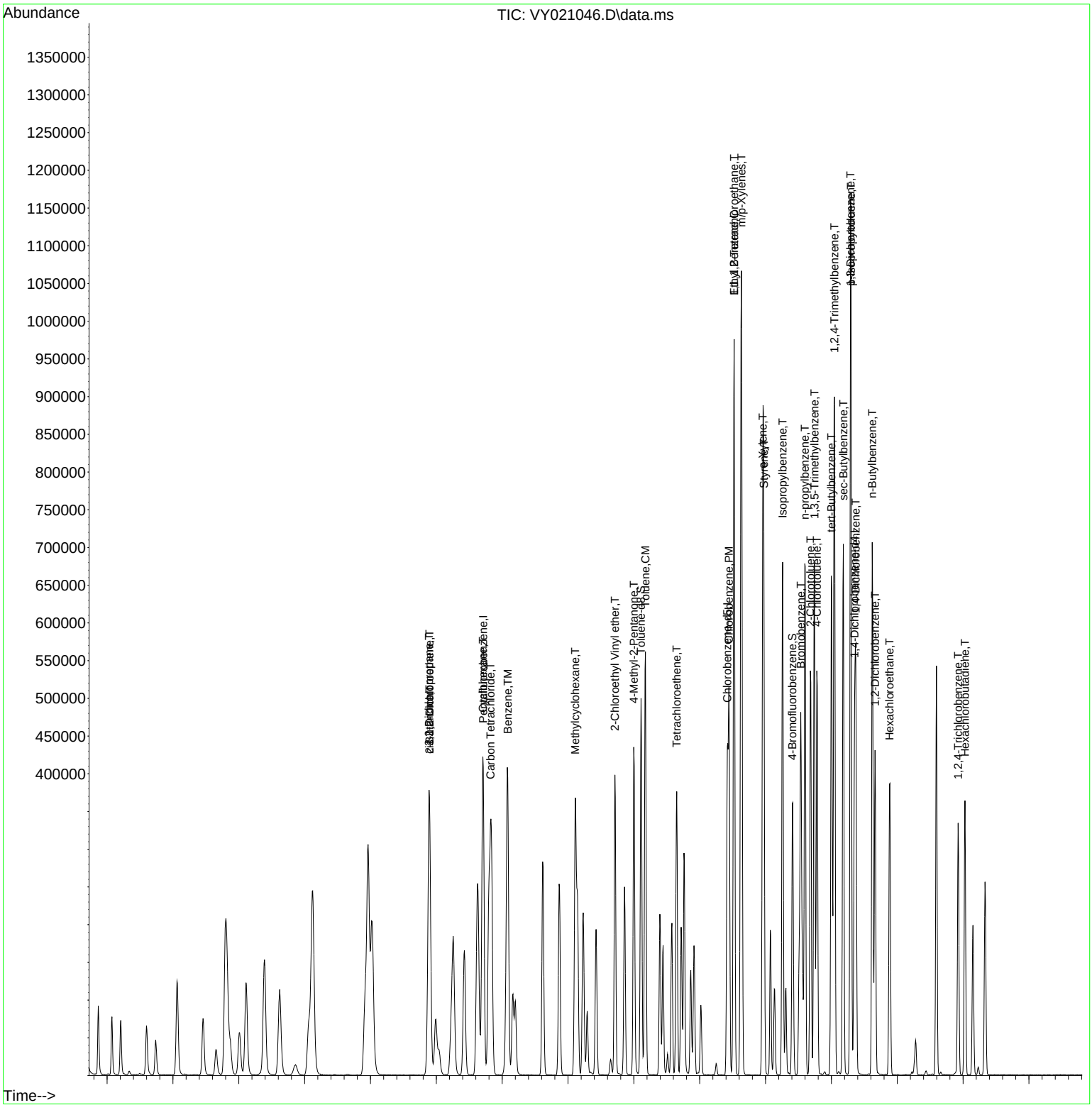
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Acq On : 04 Feb 2025 09:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

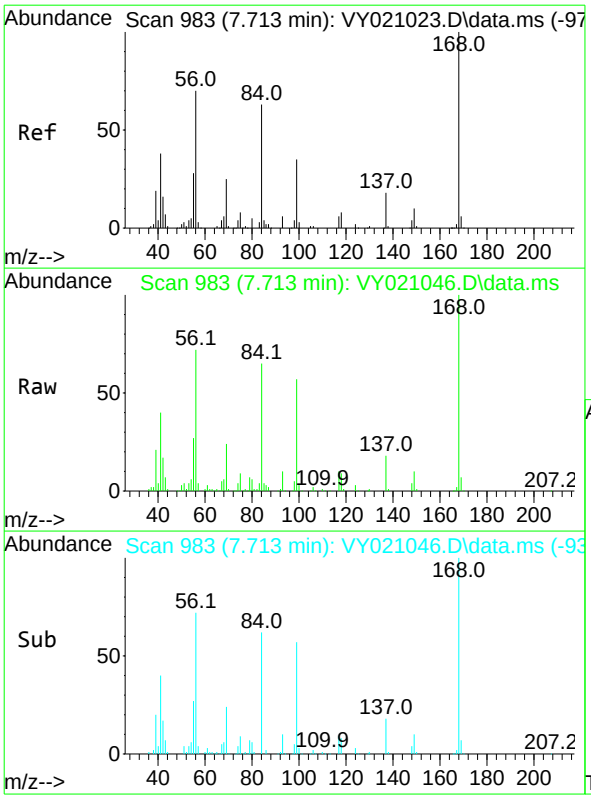
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Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

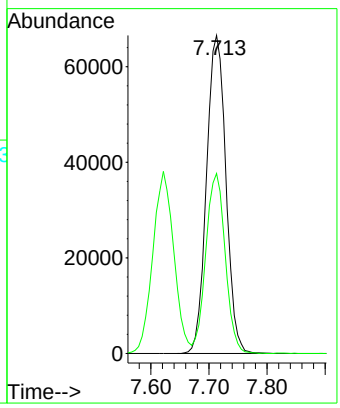




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:168 Resp: 154178

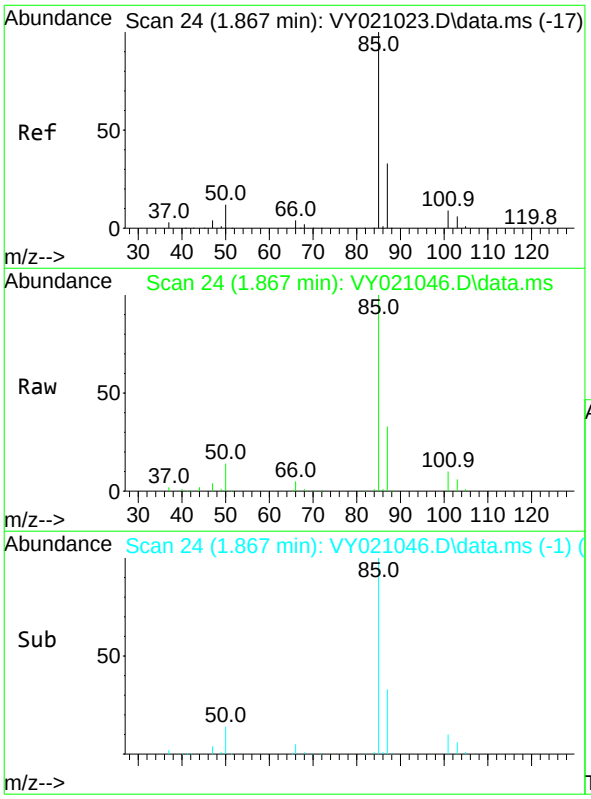
Ion	Ratio	Lower	Upper
168	100		
99	56.5	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

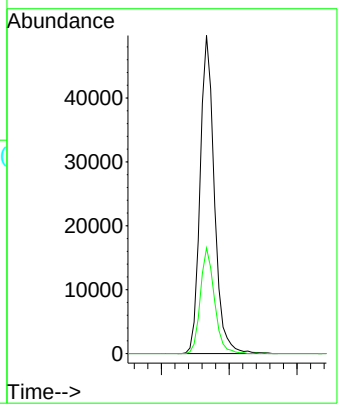
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

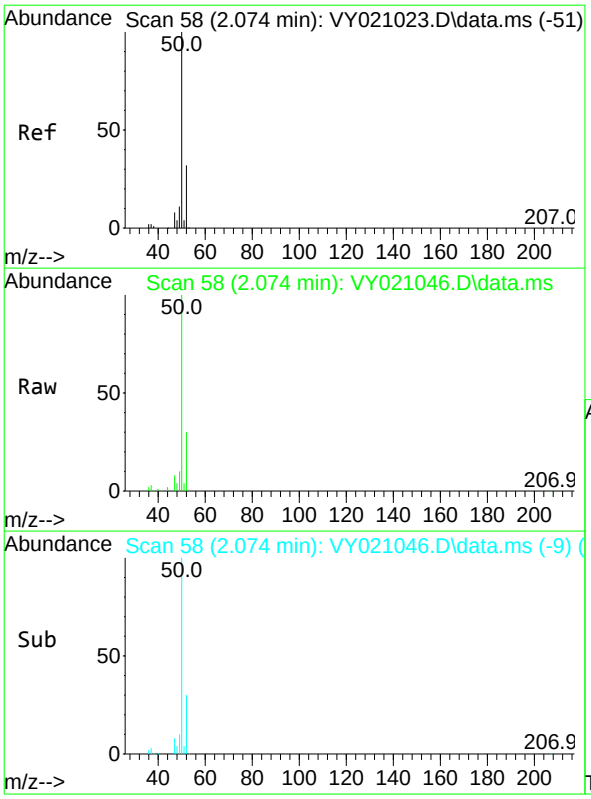


#2
Dichlorodifluoromethane
Concen: 52.714 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 85 Resp: 72438

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.1	51.3

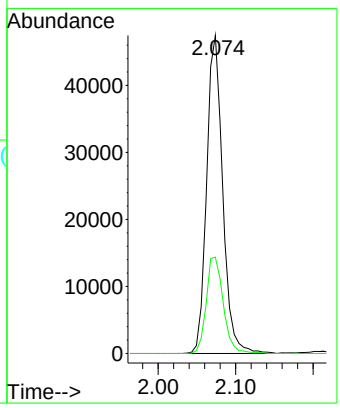




#3
Chloromethane
Concen: 50.330 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 50 Resp: 68247

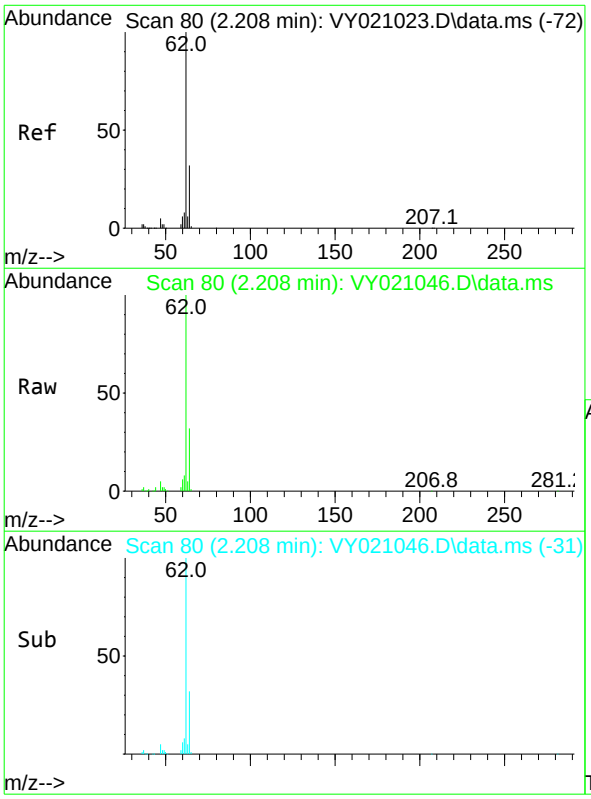
Ion	Ratio	Lower	Upper
50	100		
52	30.3	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

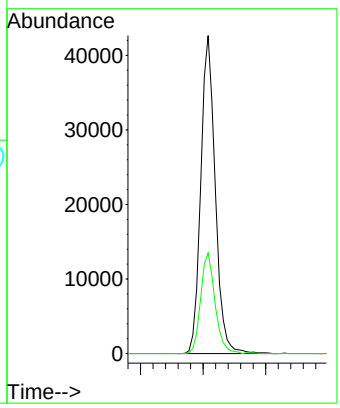
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

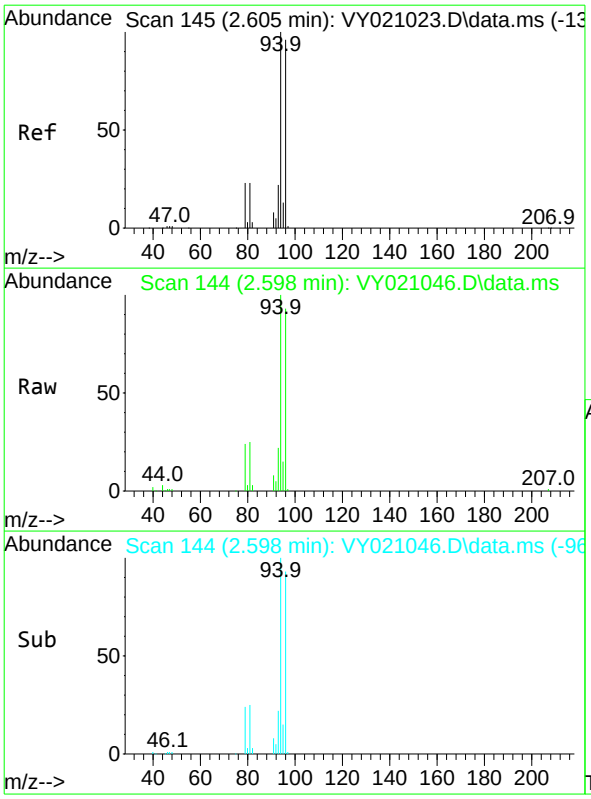


#4
Vinyl Chloride
Concen: 50.061 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 62 Resp: 68325

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.7	38.5

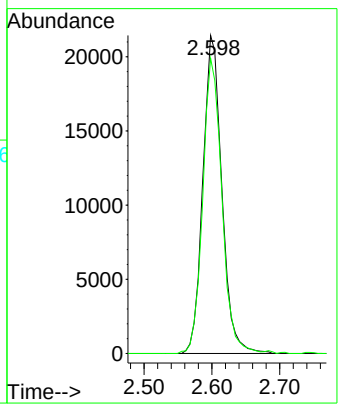




#5
Bromomethane
Concen: 49.347 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 94 Resp: 41627

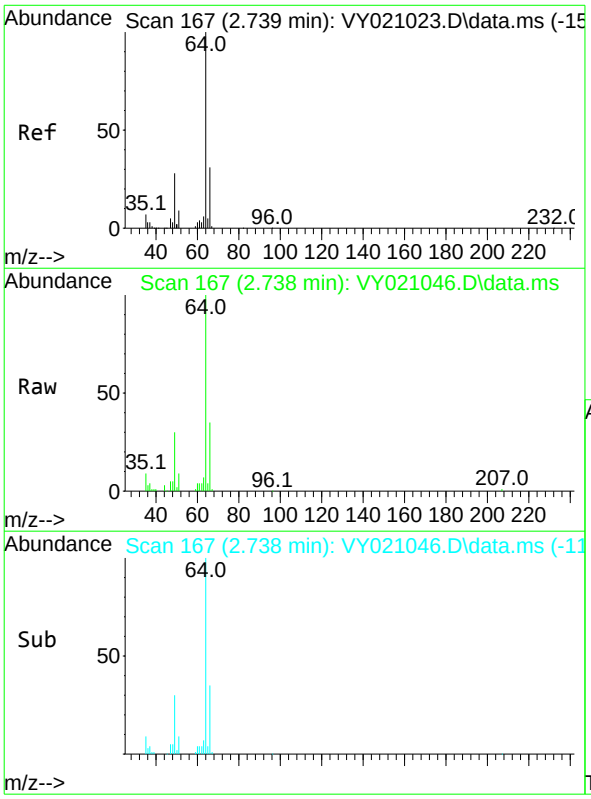
Ion	Ratio	Lower	Upper
94	100		
96	92.8	77.3	115.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

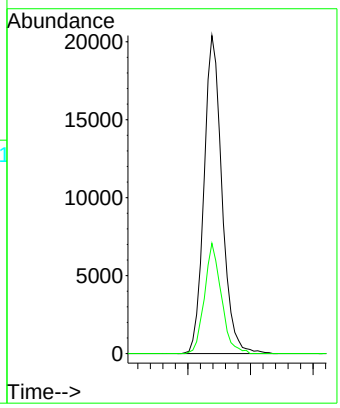
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

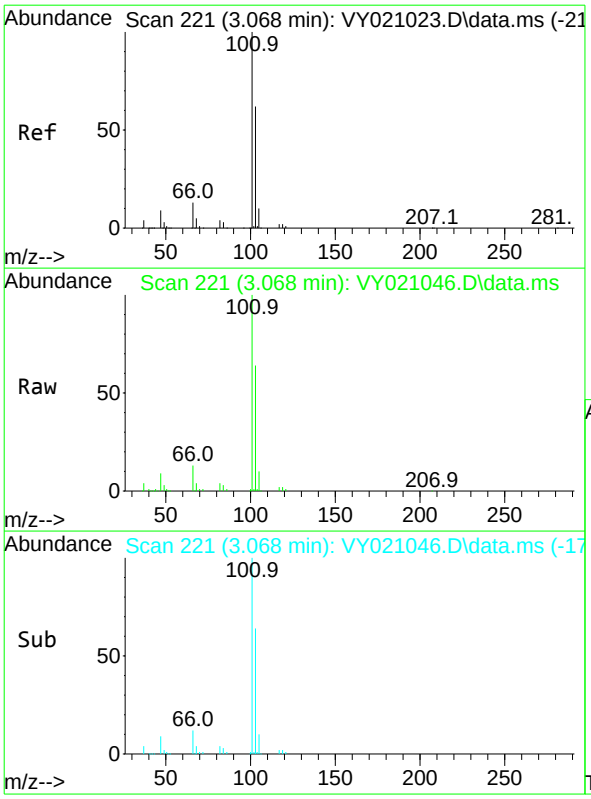


#6
Chloroethane
Concen: 49.935 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 64 Resp: 40570

Ion	Ratio	Lower	Upper
64	100		
66	34.7	25.1	37.7

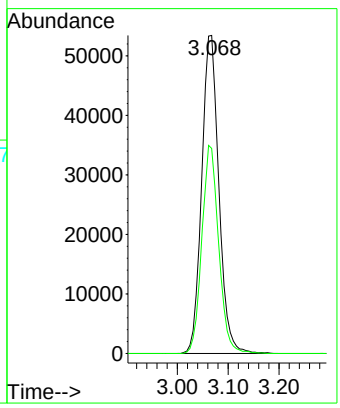




#7
Trichlorofluoromethane
Concen: 50.372 ug/l
RT: 3.068 min Scan# 22
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:101 Resp: 125251

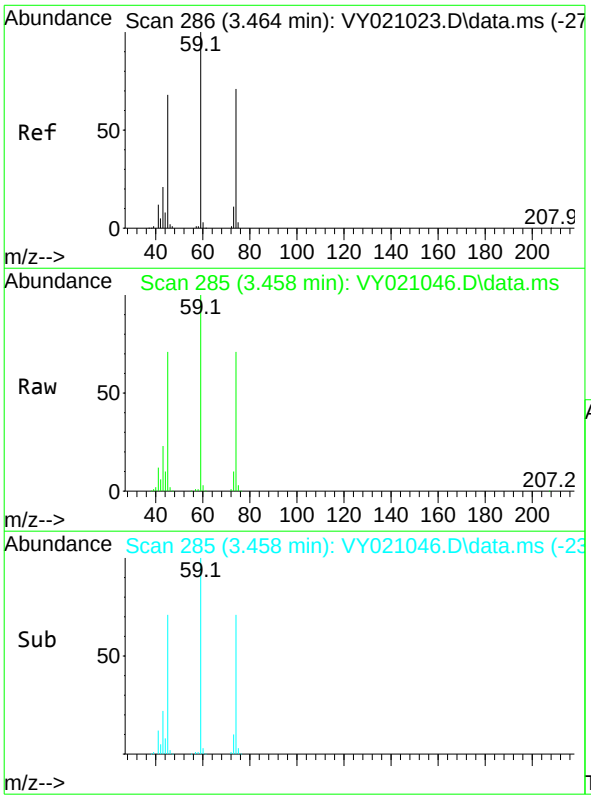
Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

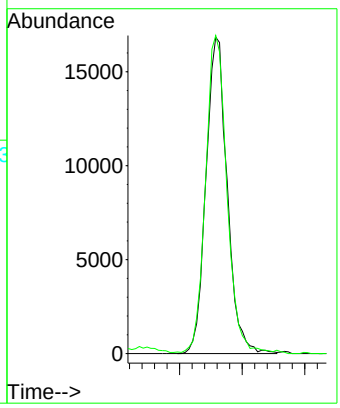
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

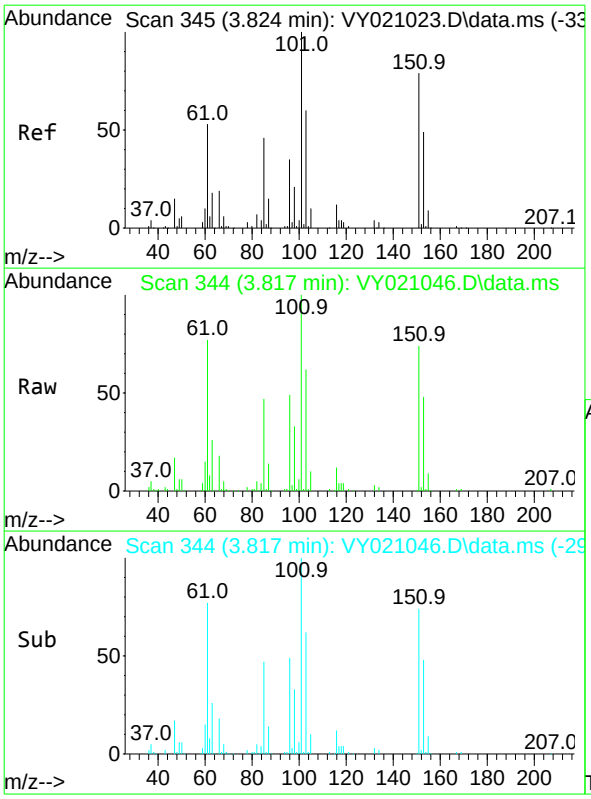


#8
Diethyl Ether
Concen: 51.084 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 74 Resp: 39653

Ion	Ratio	Lower	Upper
74	100		
45	100.1	47.9	143.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.550 ug/l
RT: 3.817 min Scan# 34
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

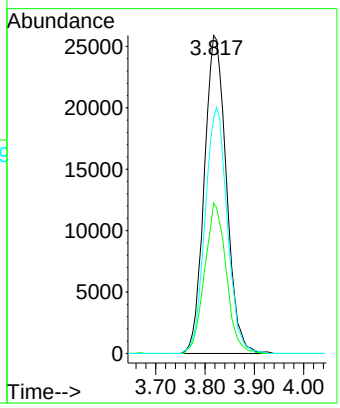
Tgt Ion:101 Resp: 80448

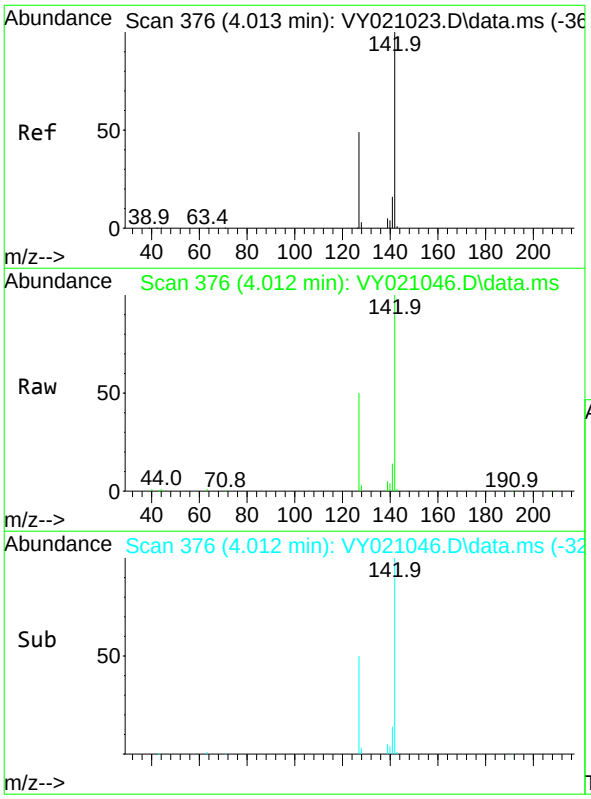
Ion	Ratio	Lower	Upper
101	100		
85	46.3	35.8	53.6
151	77.8	58.6	88.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

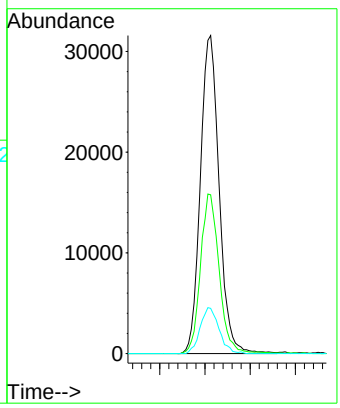


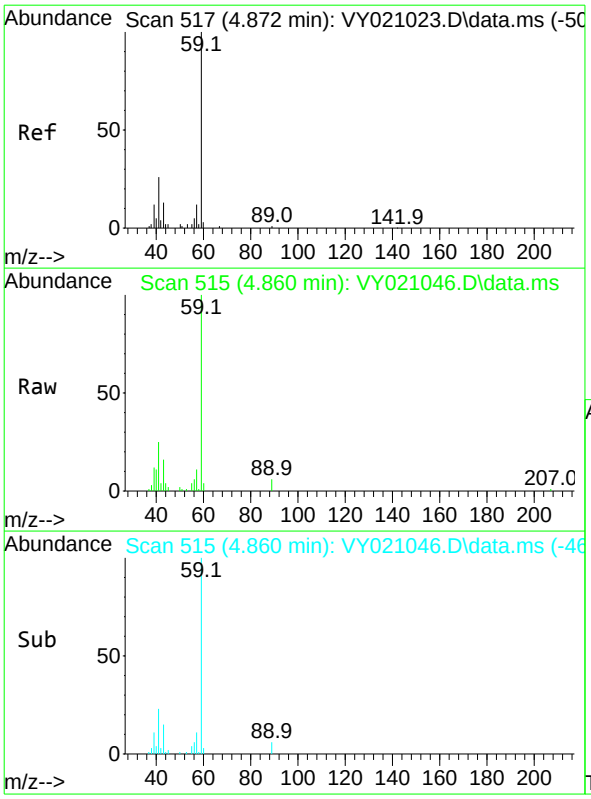


#10
Methyl Iodide
Concen: 52.519 ug/l
RT: 4.012 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:142 Resp: 91056

Ion	Ratio	Lower	Upper
142	100		
127	49.6	35.1	52.7
141	14.5	11.8	17.6

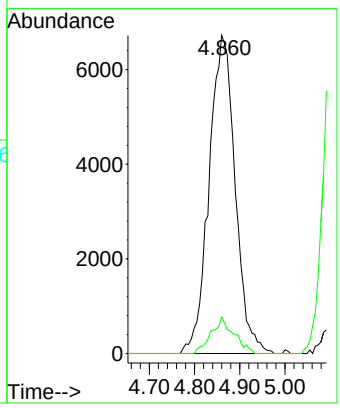




#11
Tert butyl alcohol
Concen: 252.187 ug/l
RT: 4.860 min Scan# 51
Delta R.T. -0.013 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 59 Resp: 26996

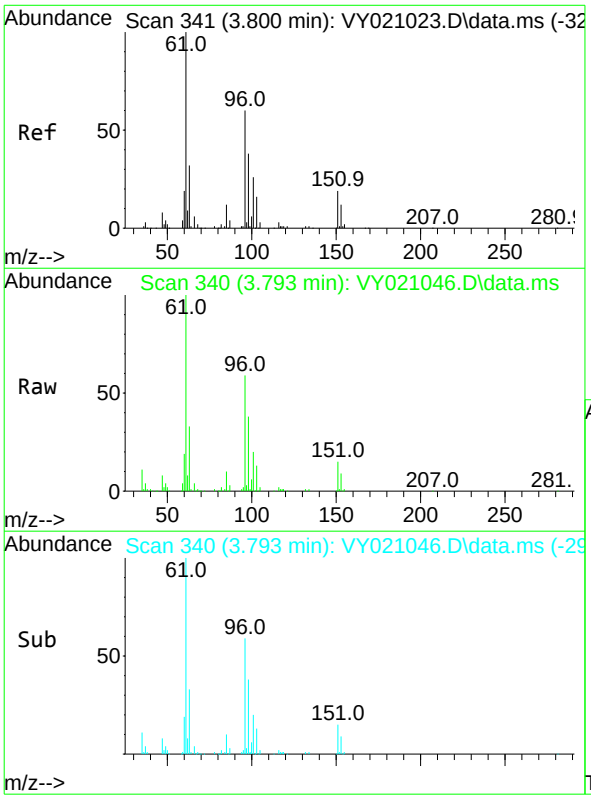
Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

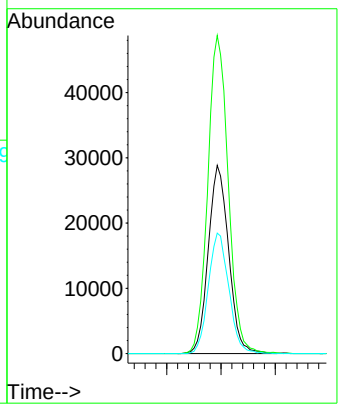
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

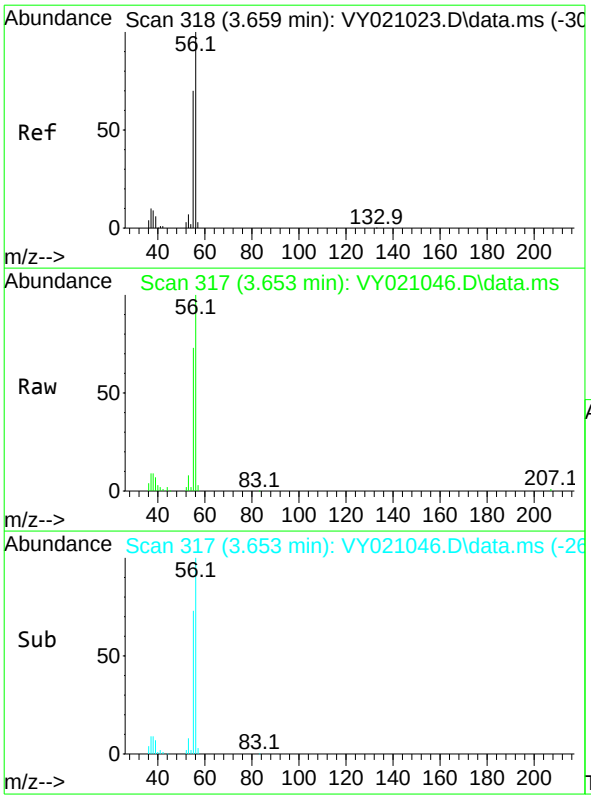


#12
1,1-Dichloroethene
Concen: 51.266 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 96 Resp: 75364

Ion	Ratio	Lower	Upper
96	100		
61	169.0	124.2	186.2
98	64.0	52.6	79.0

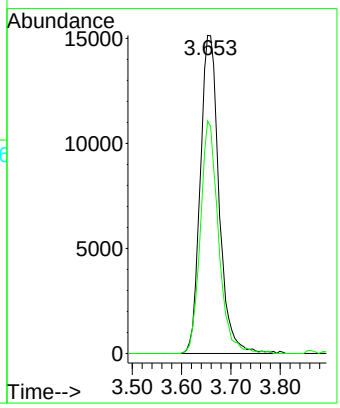




#13
Acrolein
Concen: 242.367 ug/l
RT: 3.653 min Scan# 31
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 56 Resp: 39952

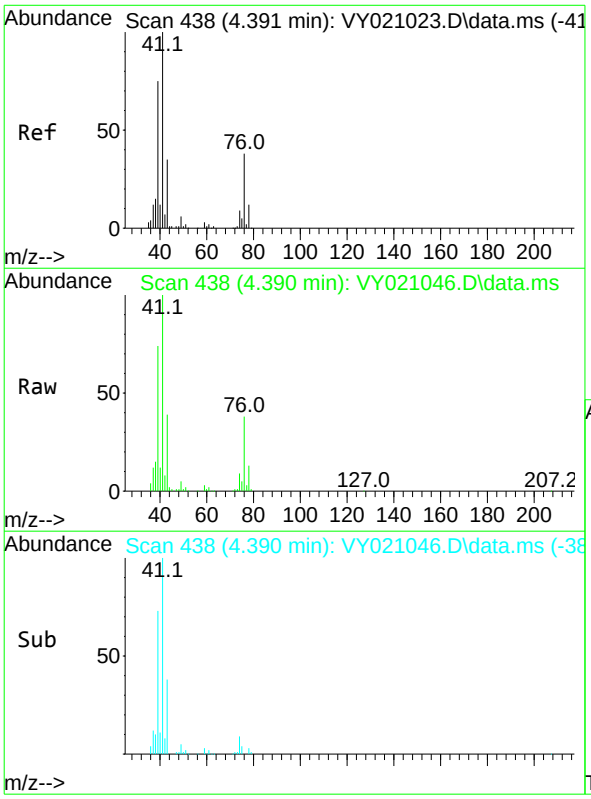
Ion	Ratio	Lower	Upper
56	100		
55	70.5	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

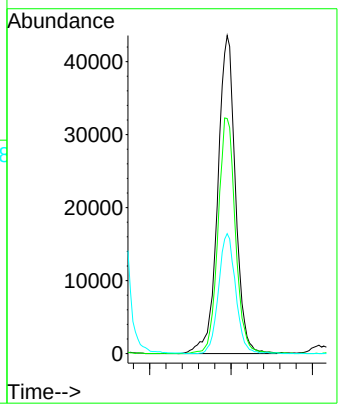
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

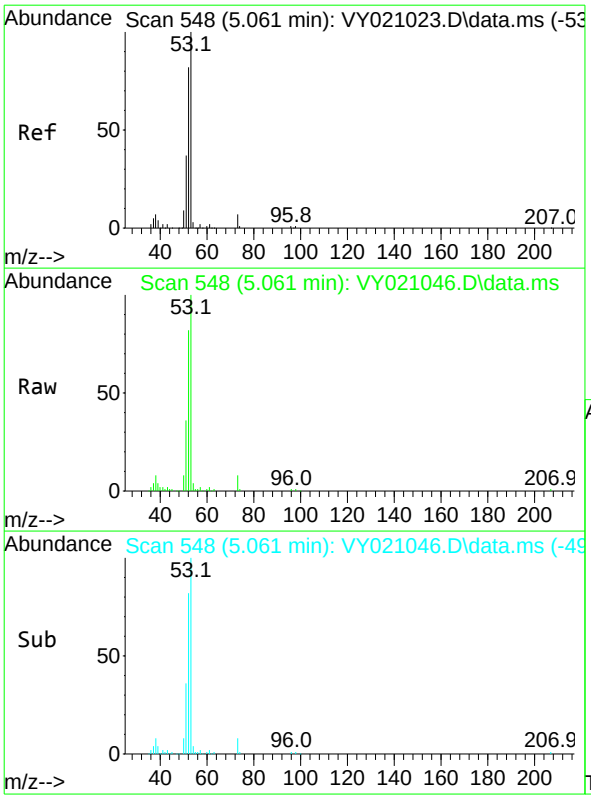


#14
Allyl chloride
Concen: 53.165 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 41 Resp: 131719

Ion	Ratio	Lower	Upper
41	100		
39	72.7	54.7	82.1
76	36.3	31.8	47.6

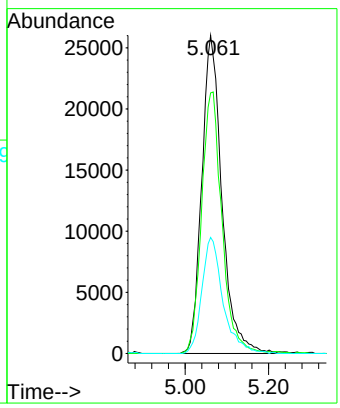




#15
Acrylonitrile
Concen: 270.313 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 53 Resp: 87375

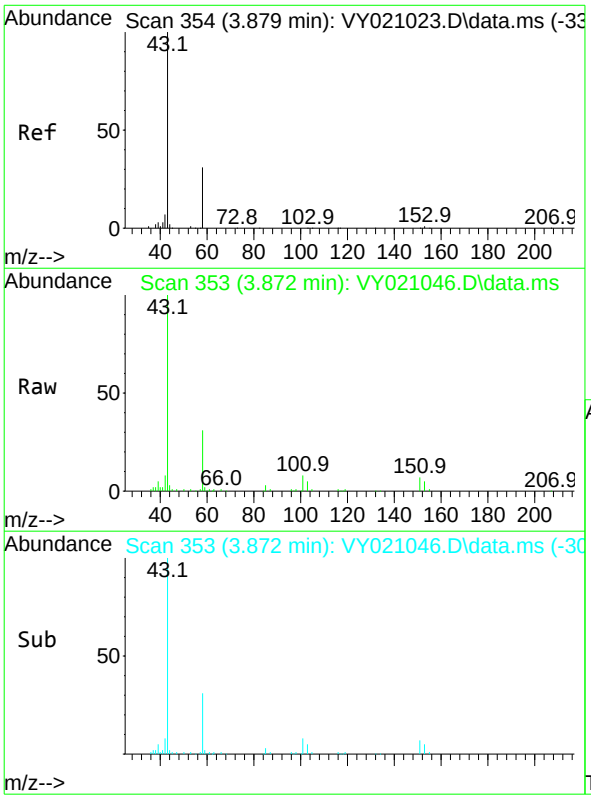
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.1	97.7
51	38.1	29.0	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

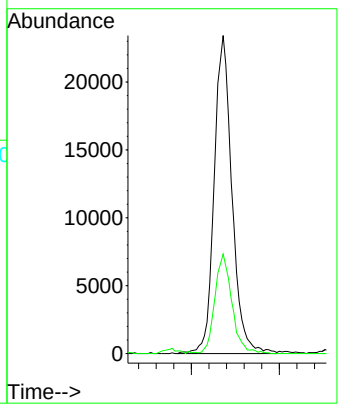
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

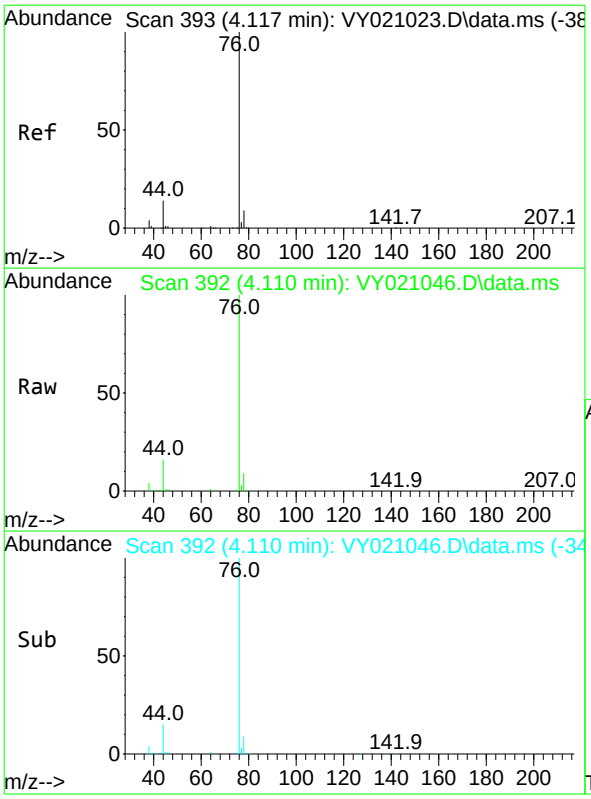


#16
Acetone
Concen: 267.440 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 43 Resp: 65883

Ion	Ratio	Lower	Upper
43	100		
58	31.3	26.6	39.8

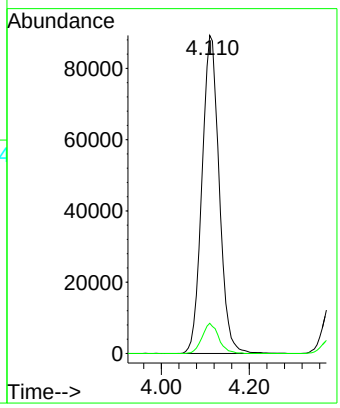




#17
Carbon Disulfide
Concen: 52.559 ug/l
RT: 4.110 min Scan# 39
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 76 Resp: 242282

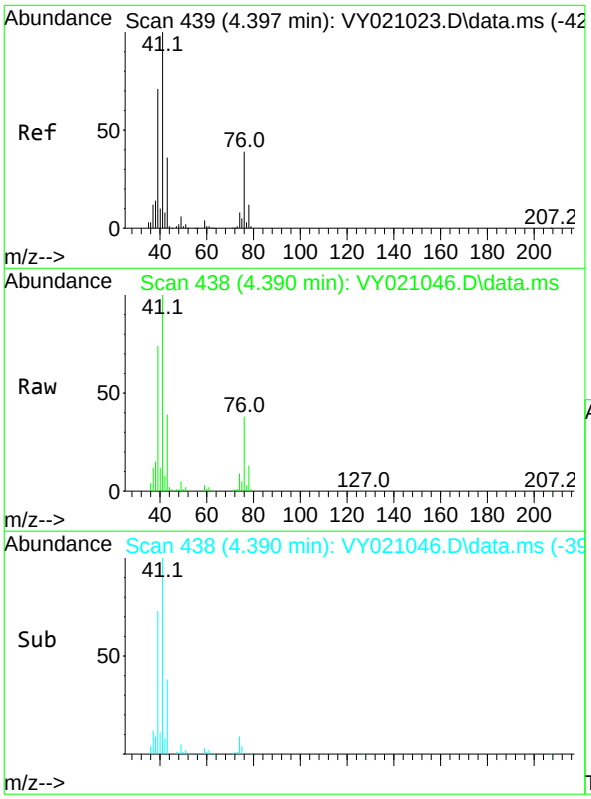
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

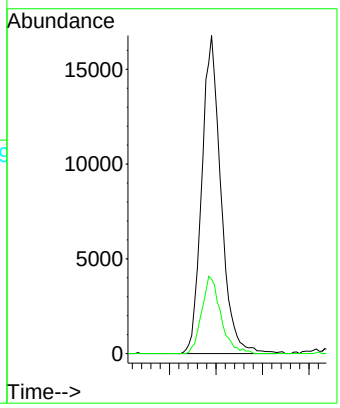
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

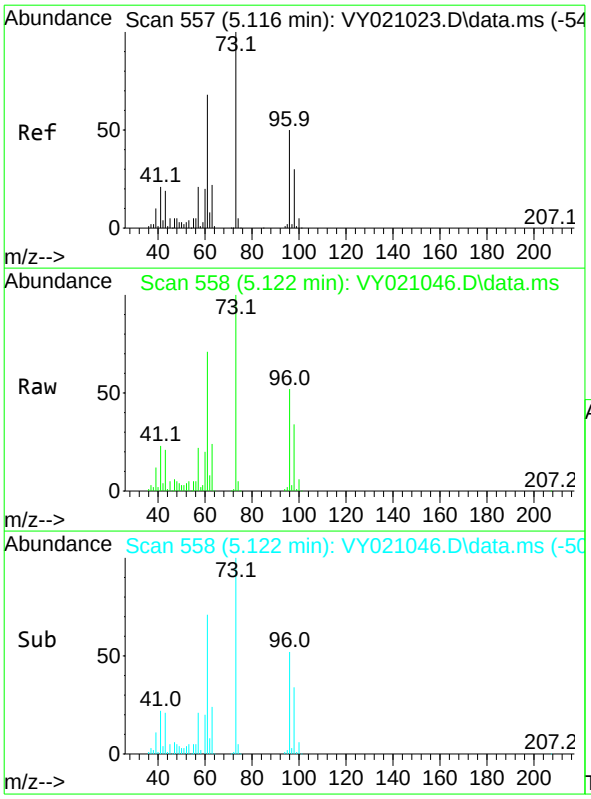


#18
Methyl Acetate
Concen: 55.562 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 43 Resp: 48049

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.8	29.6

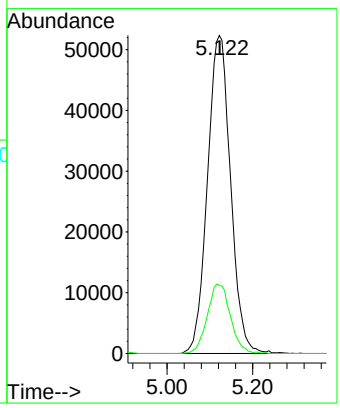




#19
Methyl tert-butyl Ether
Concen: 52.689 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 73 Resp: 195771

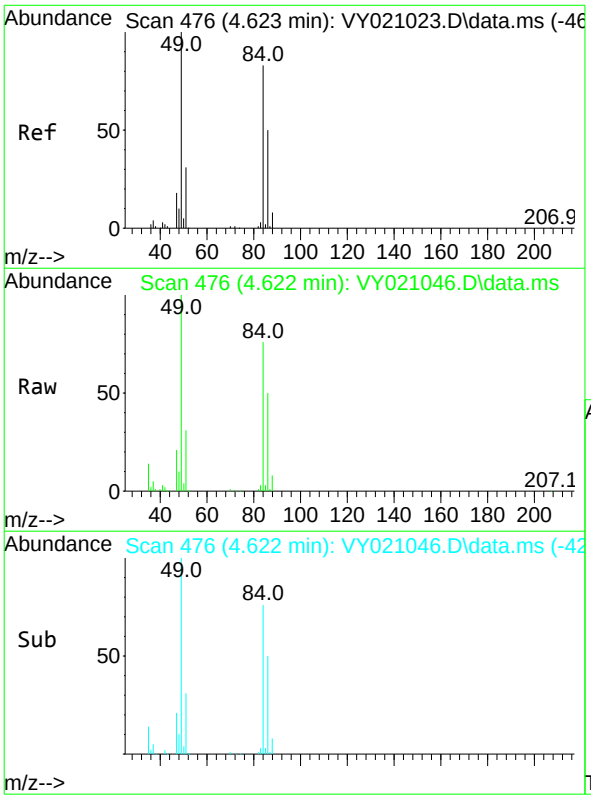
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

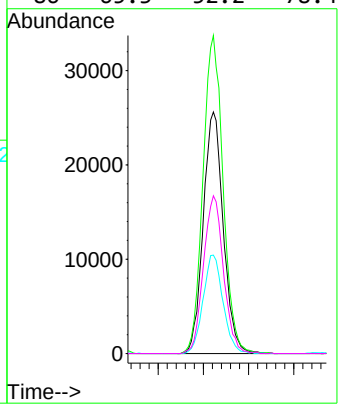
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

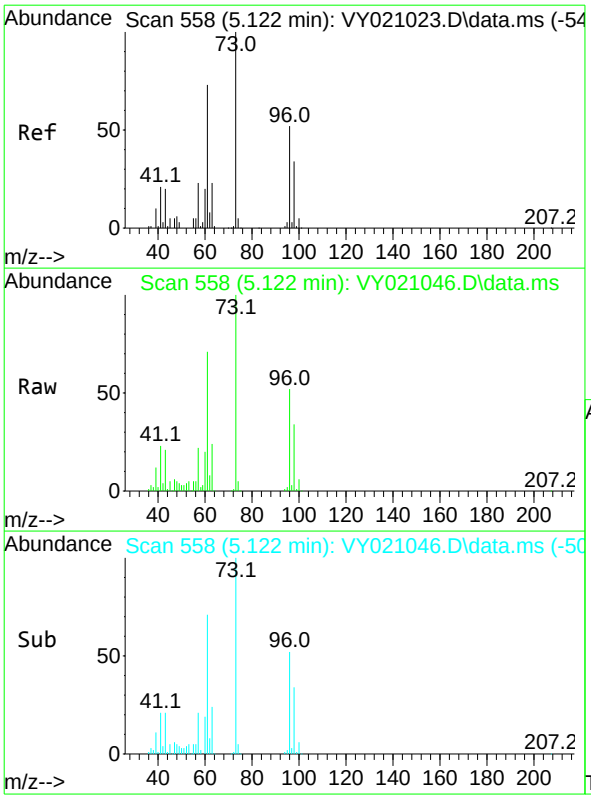


#20
Methylene Chloride
Concen: 51.630 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 84 Resp: 79068

Ion	Ratio	Lower	Upper
84	100		
49	131.6	95.2	142.8
51	40.8	29.9	44.9
86	65.3	52.2	78.4

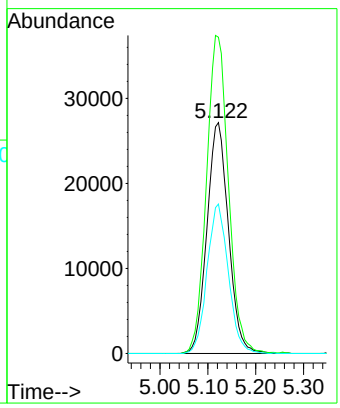




#21
trans-1,2-Dichloroethene
Concen: 52.369 ug/l
RT: 5.122 min Scan# 55
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 96 Resp: 84741

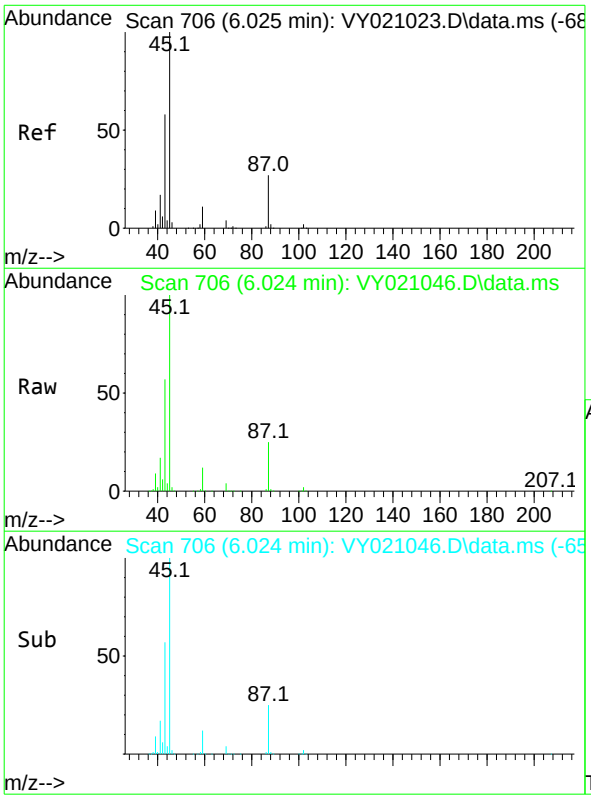
Ion	Ratio	Lower	Upper
96	100		
61	137.0	104.6	156.8
98	64.7	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

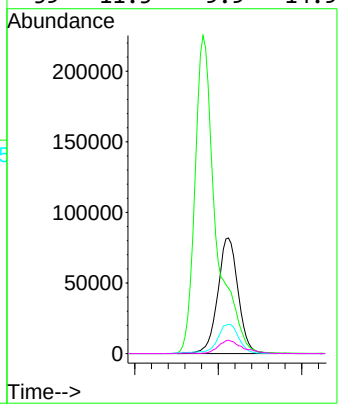
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

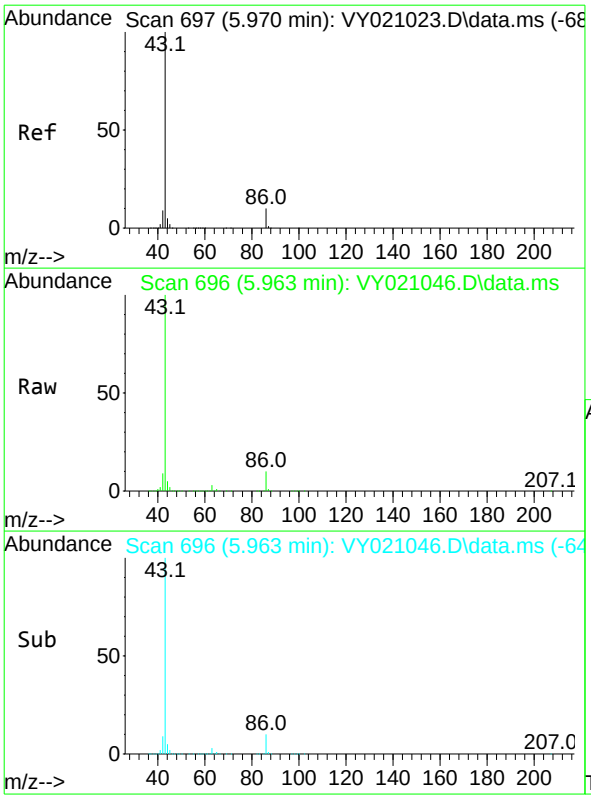


#22
Diisopropyl ether
Concen: 54.300 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 45 Resp: 277295

Ion	Ratio	Lower	Upper
45	100		
43	56.1	46.8	70.2
87	25.3	22.2	33.2
59	11.5	9.9	14.9

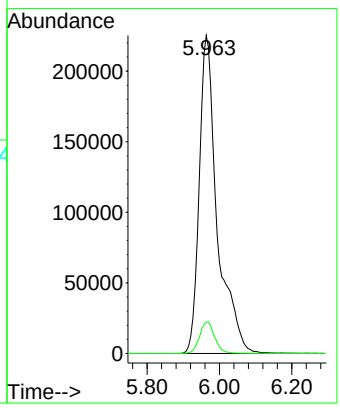




#23
Vinyl Acetate
Concen: 273.844 ug/l
RT: 5.963 min Scan# 69
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 43 Resp: 779586

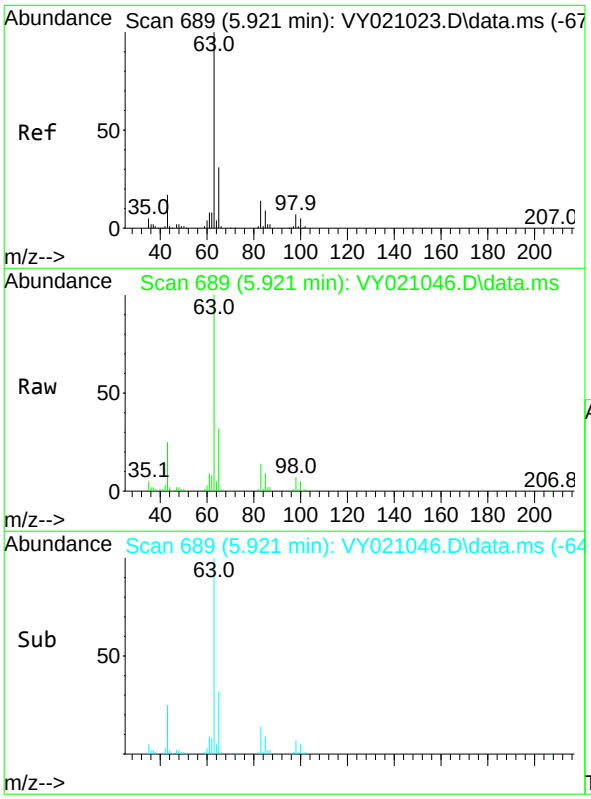
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

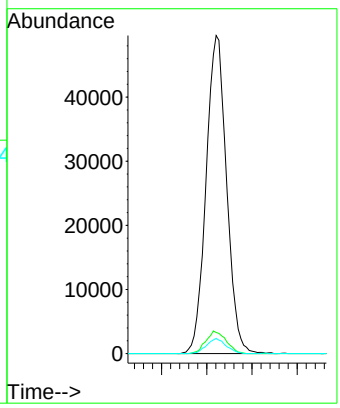
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

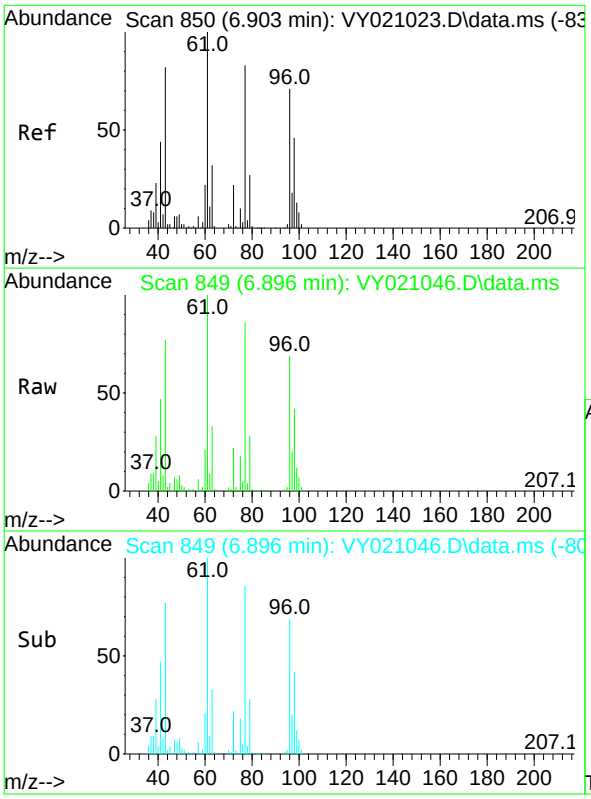


#24
1,1-Dichloroethane
Concen: 52.245 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 63 Resp: 156317

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.8	11.4
100	4.8	2.1	6.2

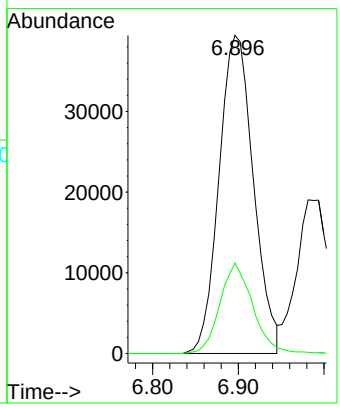




#25
2-Butanone
Concen: 272.159 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 43 Resp: 110174

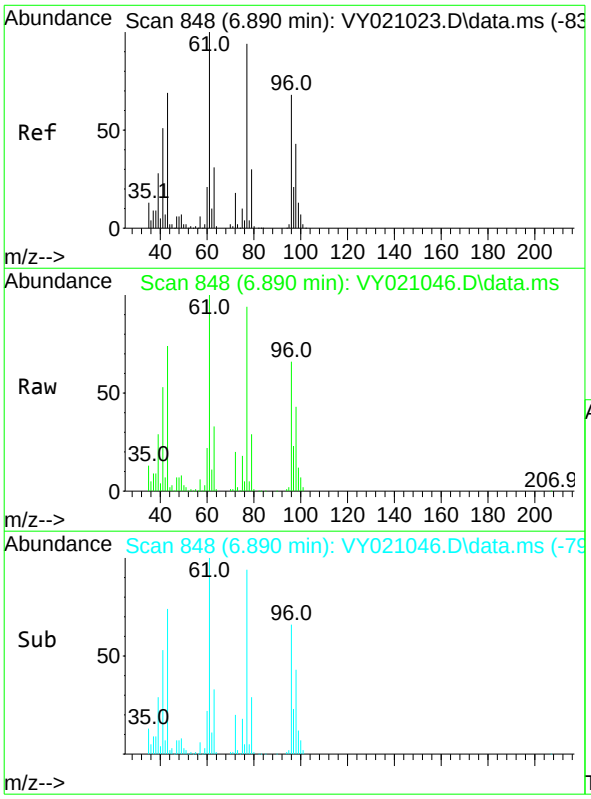
Ion	Ratio	Lower	Upper
43	100		
72	28.4	21.4	32.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

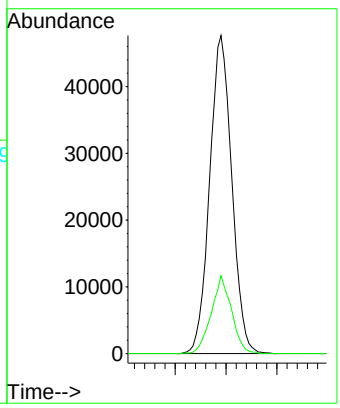
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

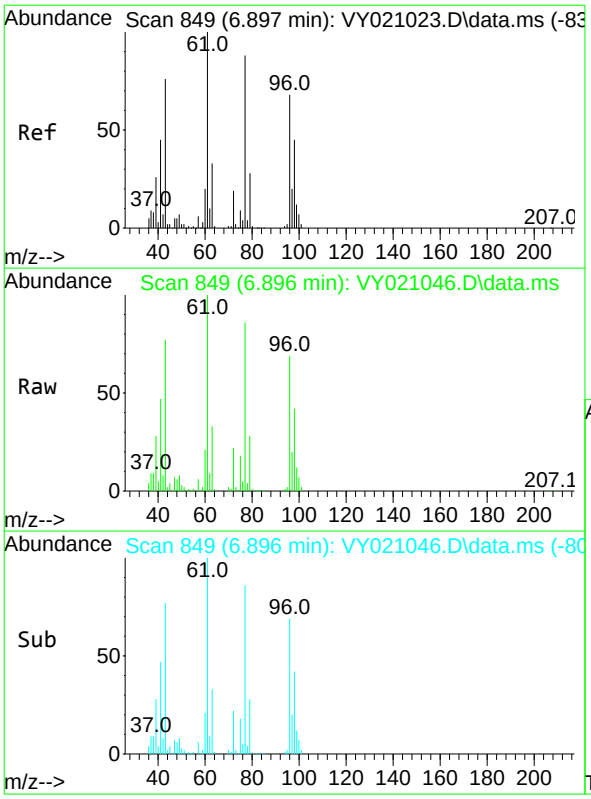


#26
2,2-Dichloropropane
Concen: 51.967 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 77 Resp: 143867

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.7	35.0

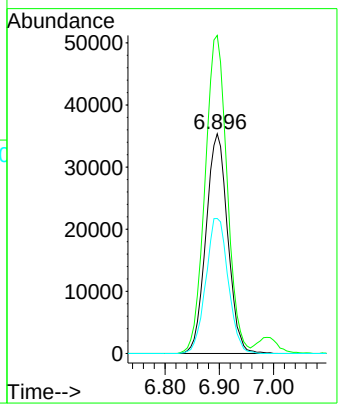




#27
cis-1,2-Dichloroethene
Concen: 52.870 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 96 Resp: 98474

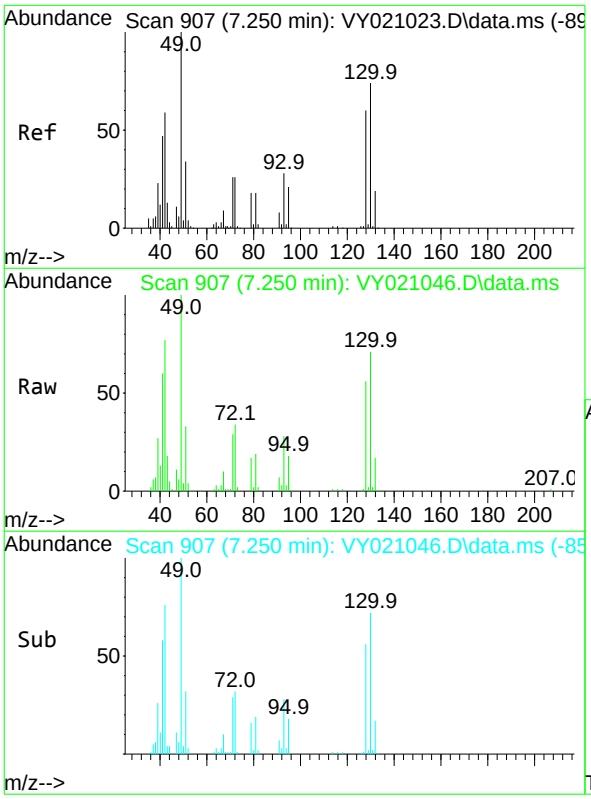
Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	278.8
98	63.4	0.0	127.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

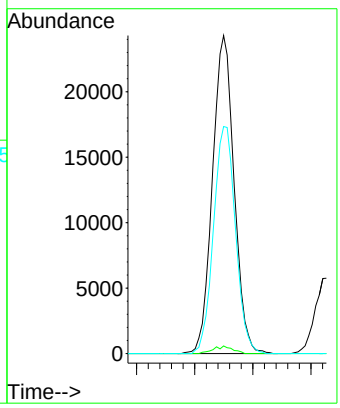
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

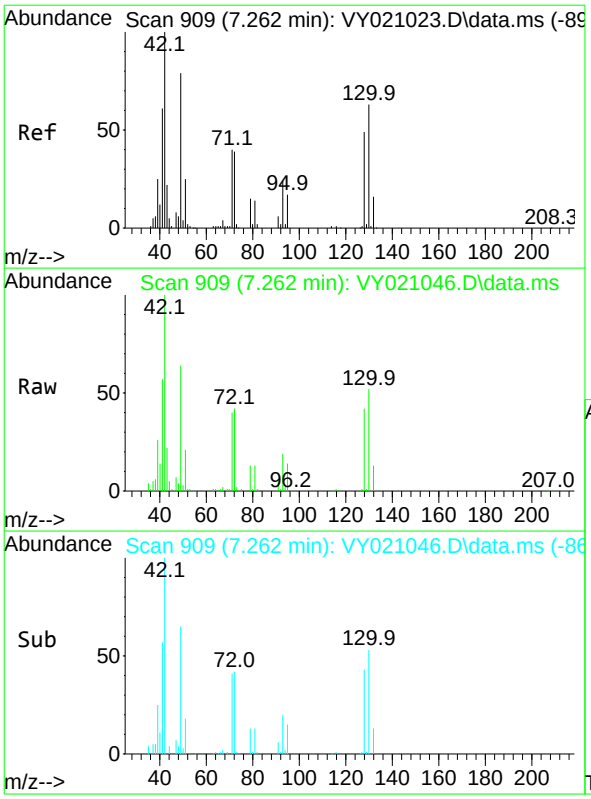


#28
Bromochloromethane
Concen: 52.992 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 49 Resp: 62695

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	72.8	59.8	89.8

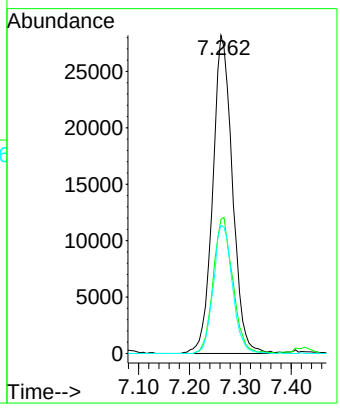




#29
Tetrahydrofuran
Concen: 277.873 ug/l
RT: 7.262 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 42 Resp: 76116

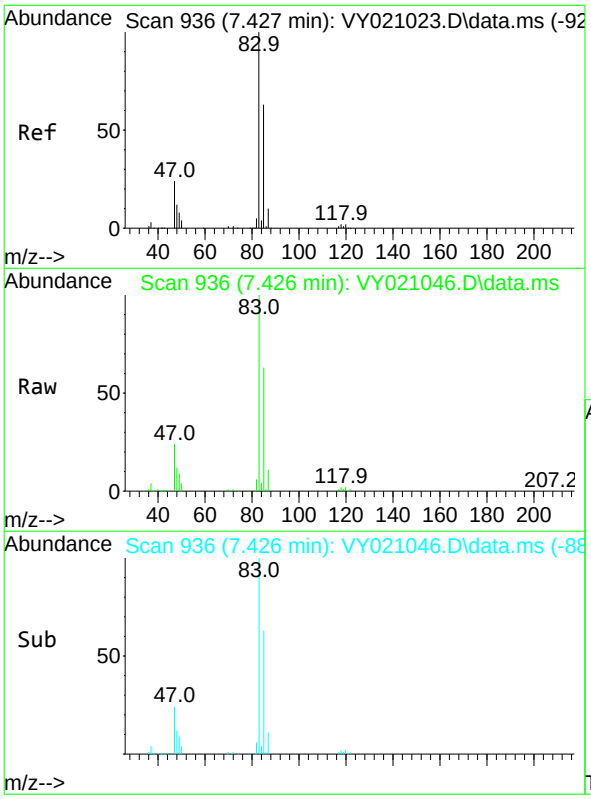
Ion	Ratio	Lower	Upper
42	100		
72	42.2	36.6	54.8
71	39.0	33.8	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

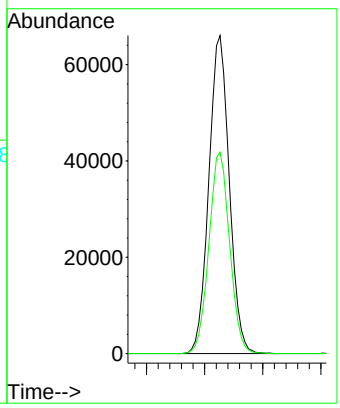
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

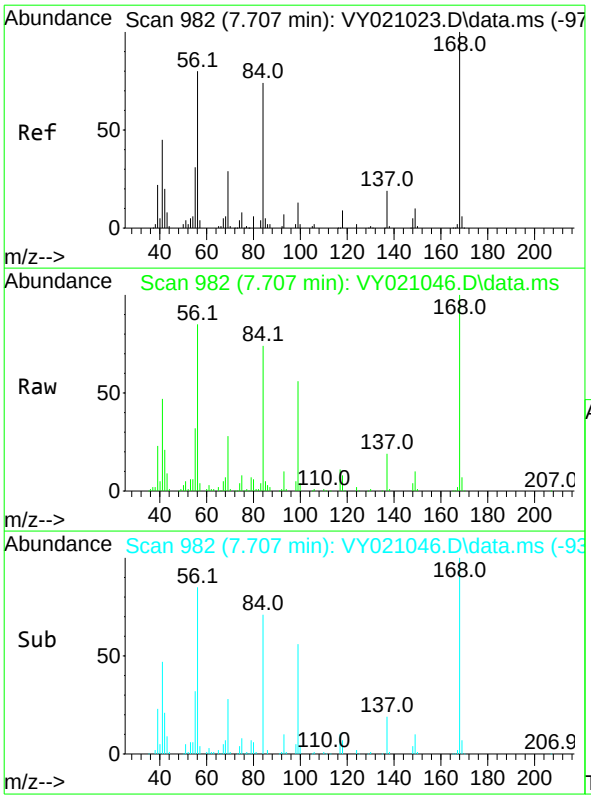


#30
Chloroform
Concen: 52.406 ug/l
RT: 7.426 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 83 Resp: 161057

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.2	76.8

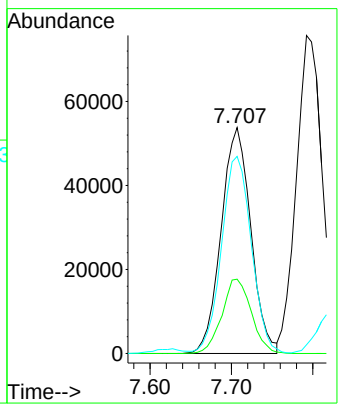




#31
Cyclohexane
Concen: 50.543 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 56 Resp: 136180

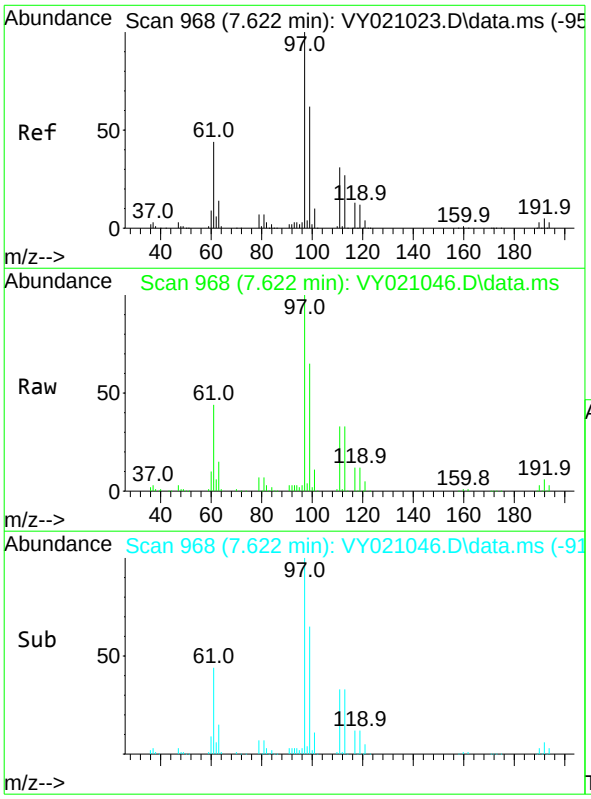
Ion	Ratio	Lower	Upper
56	100		
69	32.9	27.0	40.6
84	85.7	71.8	107.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

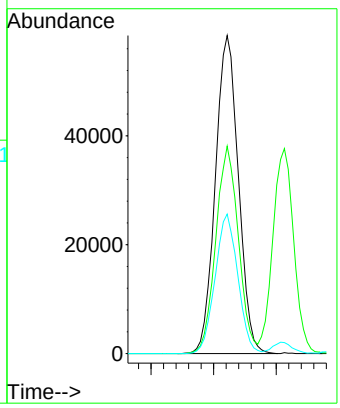
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

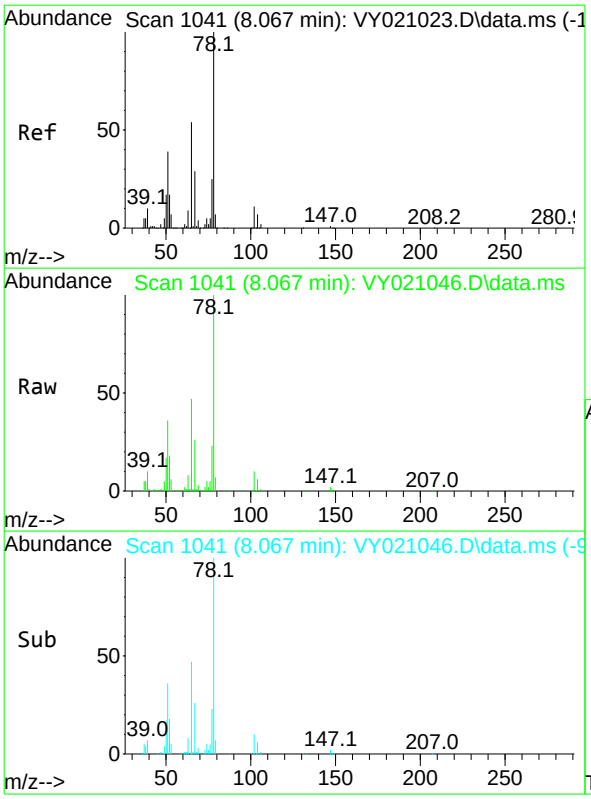


#32
1,1,1-Trichloroethane
Concen: 52.284 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 97 Resp: 149391

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	43.3	35.0	52.6

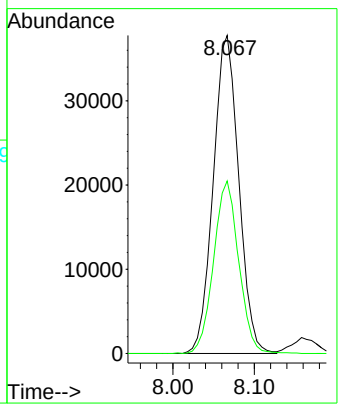




#33
1,2-Dichloroethane-d4
Concen: 52.095 ug/l
RT: 8.067 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 65 Resp: 82293

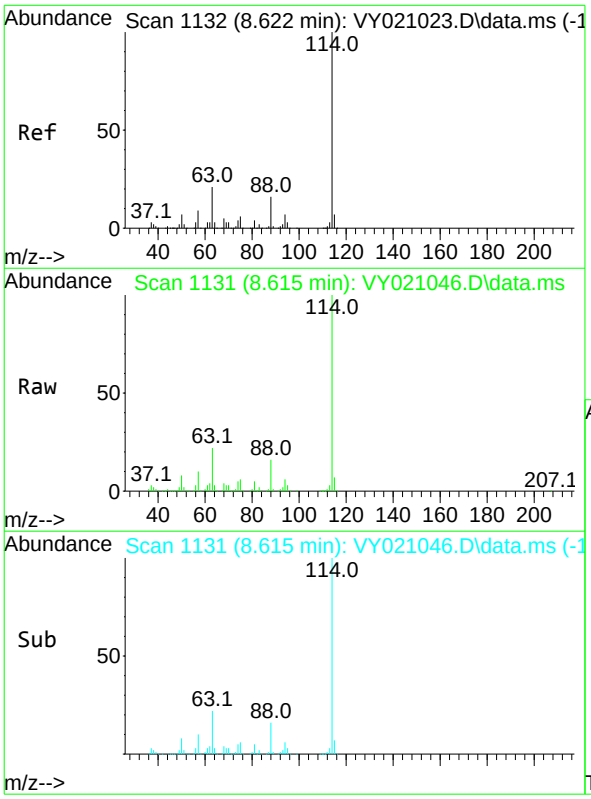
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

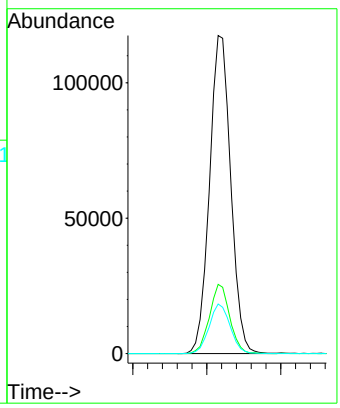
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

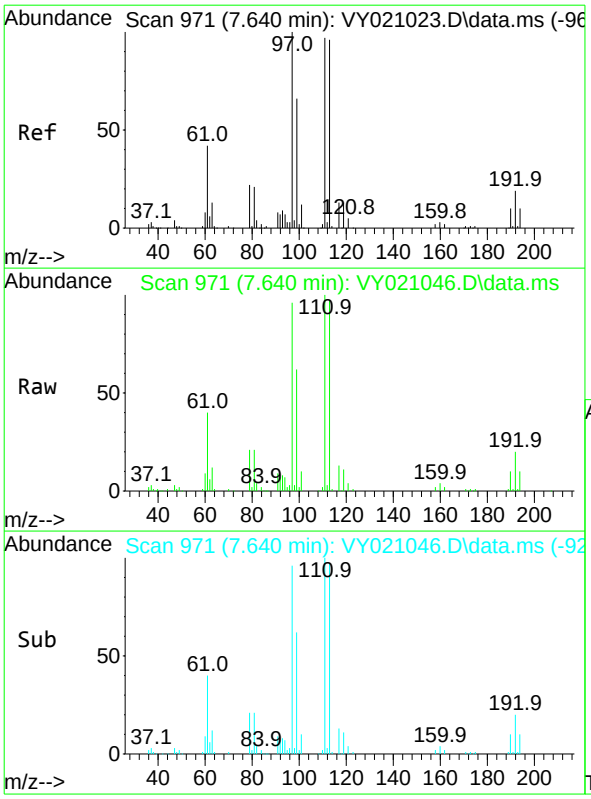


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:114 Resp: 233780

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	37.4
88	15.6	0.0	29.0

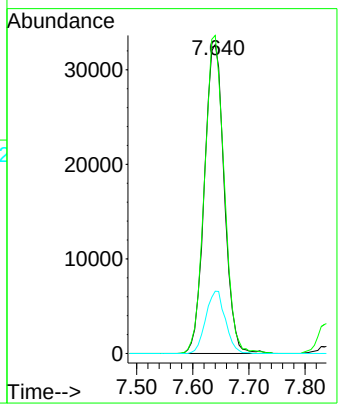




#35
Dibromofluoromethane
Concen: 53.452 ug/l
RT: 7.640 min Scan# 97
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:113 Resp: 80083

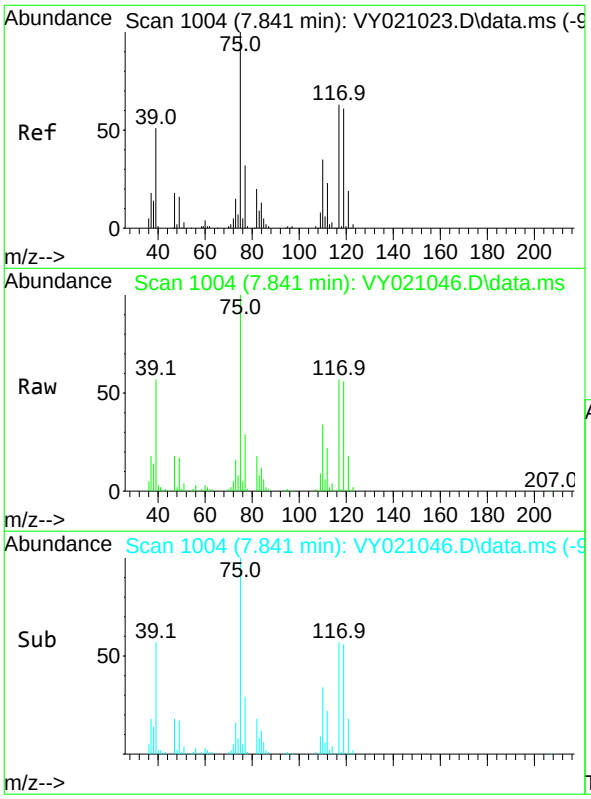
Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.8	125.6
192	20.0	14.5	21.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

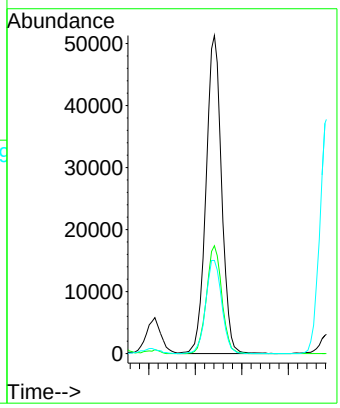
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

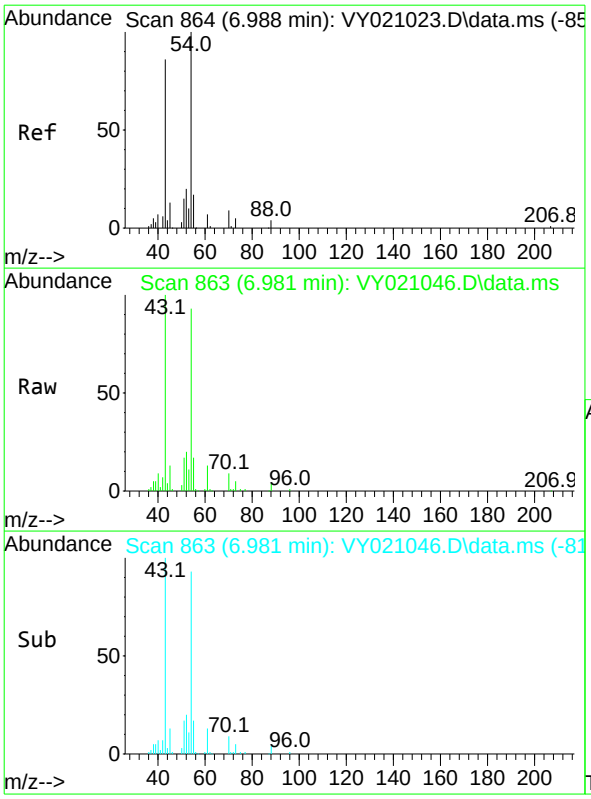


#36
1,1-Dichloropropene
Concen: 53.591 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 75 Resp: 118925

Ion	Ratio	Lower	Upper
75	100		
110	33.4	17.4	52.3
77	30.3	24.7	37.1

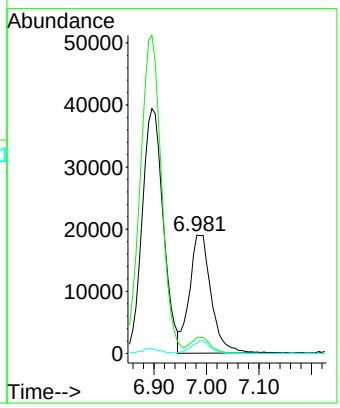




#37
Ethyl Acetate
Concen: 56.091 ug/l
RT: 6.981 min Scan# 86
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 43 Resp: 54605

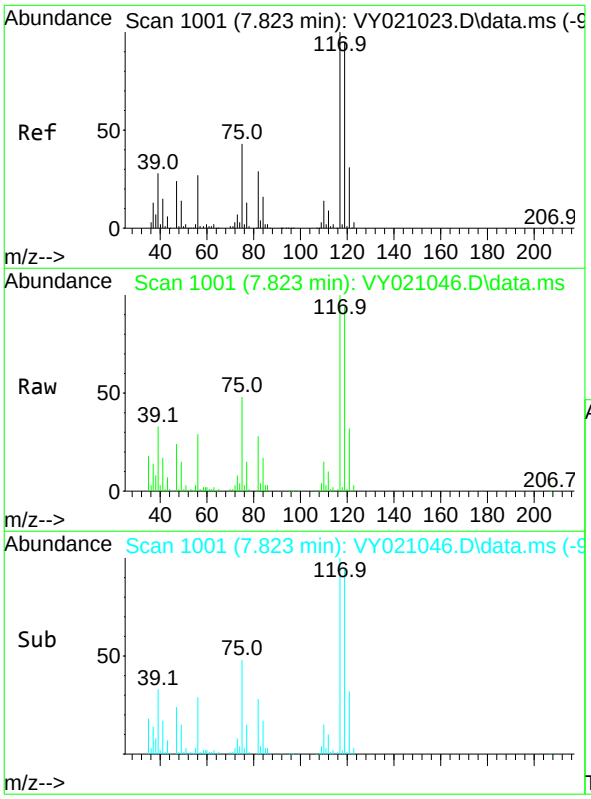
Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.6
70	9.5	8.1	12.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

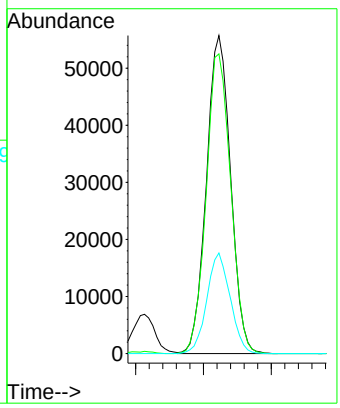
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

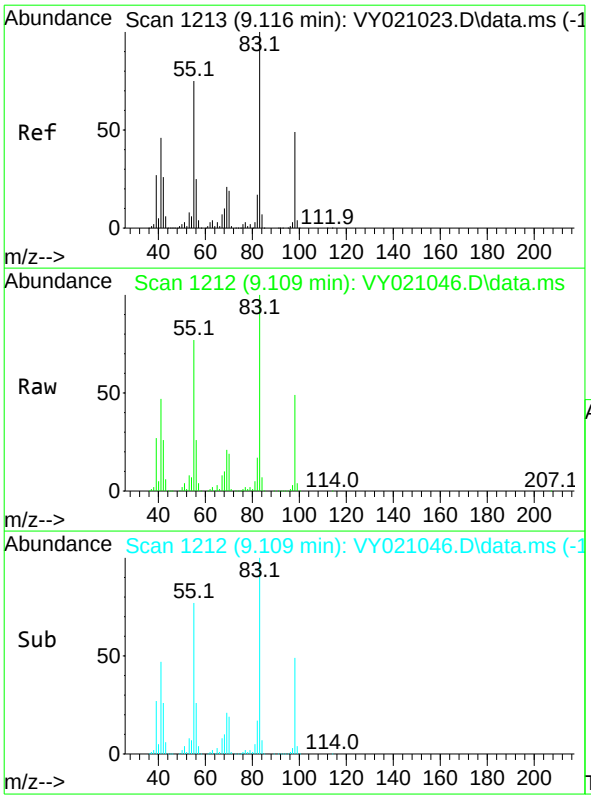


#38
Carbon Tetrachloride
Concen: 53.307 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:117 Resp: 138223

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.0	114.0
121	31.6	24.2	36.2





#39
Methylcyclohexane
Concen: 53.677 ug/l
RT: 9.109 min Scan# 12
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

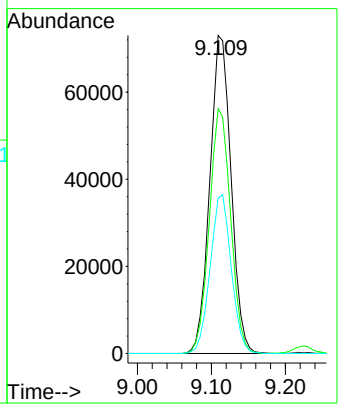
Tgt Ion: 83 Resp: 145702

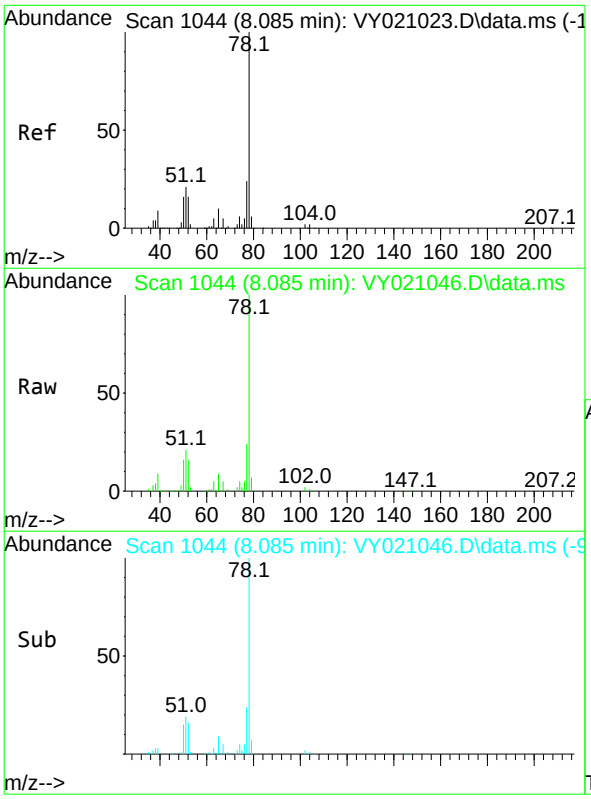
Ion	Ratio	Lower	Upper
83	100		
55	77.0	59.7	89.5
98	48.8	38.0	57.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

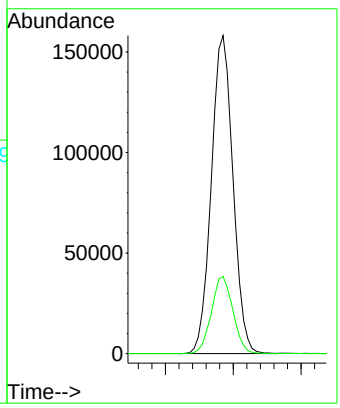


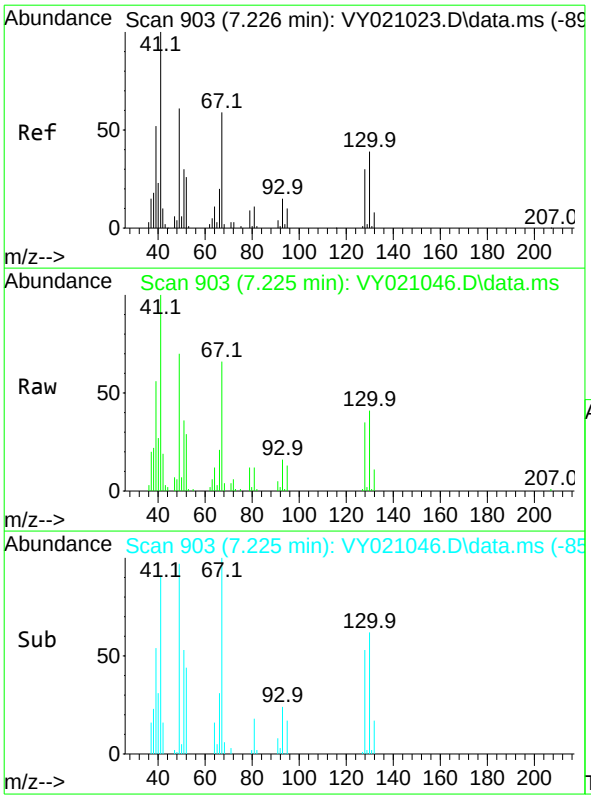


#40
Benzene
Concen: 53.888 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 78 Resp: 350936

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2

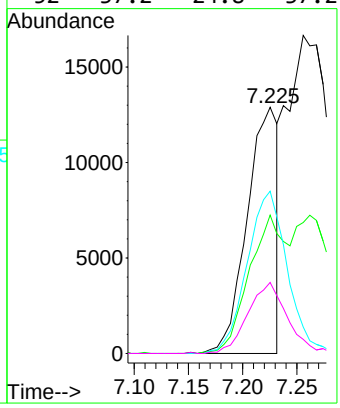




#41
Methacrylonitrile
Concen: 45.147 ug/l
RT: 7.225 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 41 Resp: 25427

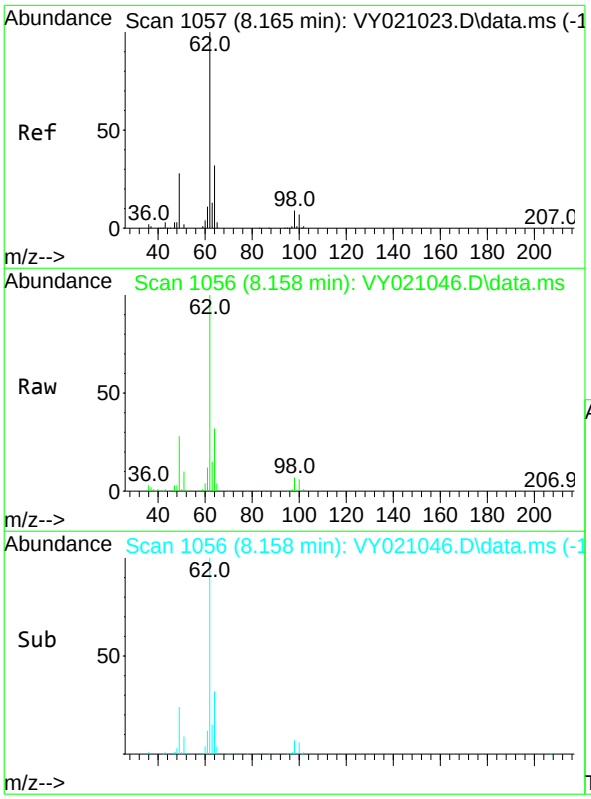
Ion	Ratio	Lower	Upper
41	100		
39	69.4	41.9	62.9#
67	86.0	59.8	89.6
52	37.2	24.8	37.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

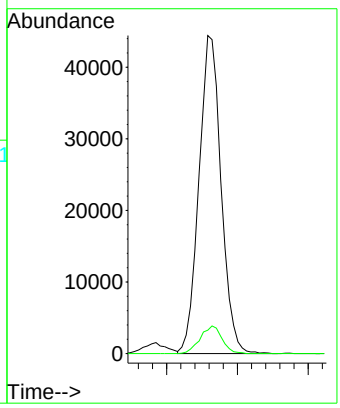
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

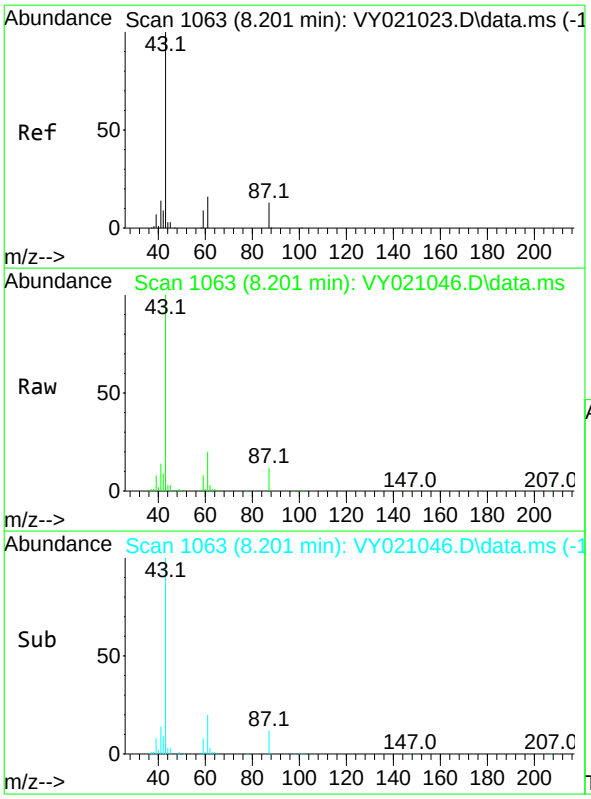


#42
1,2-Dichloroethane
Concen: 53.521 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 62 Resp: 96687

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	20.2

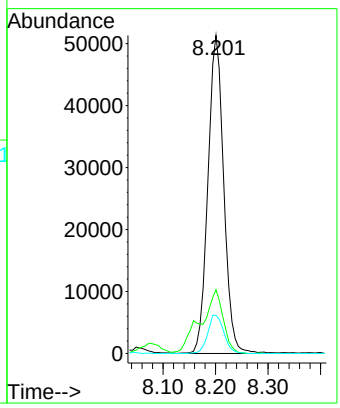




#43
Isopropyl Acetate
Concen: 55.633 ug/l
RT: 8.201 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 43 Resp: 107615

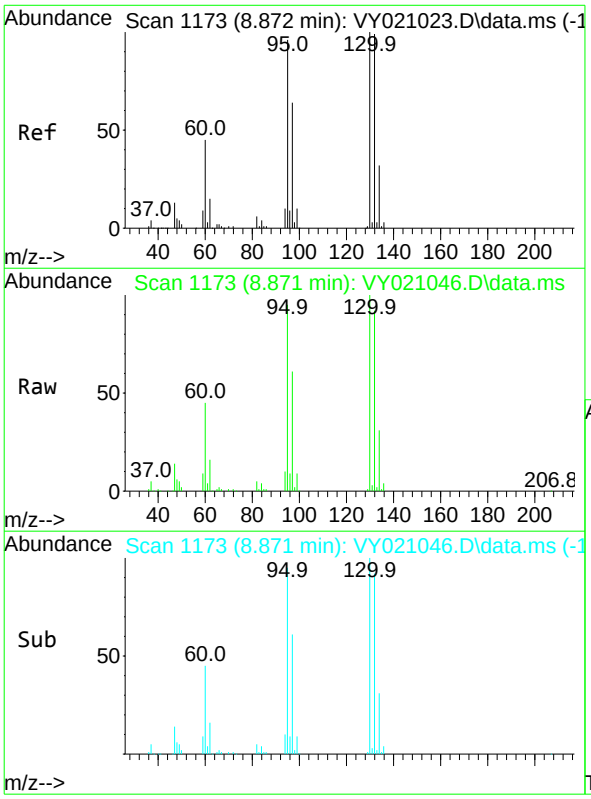
Ion	Ratio	Lower	Upper
43	100		
61	18.8	24.8	37.2#
87	12.3	10.7	16.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

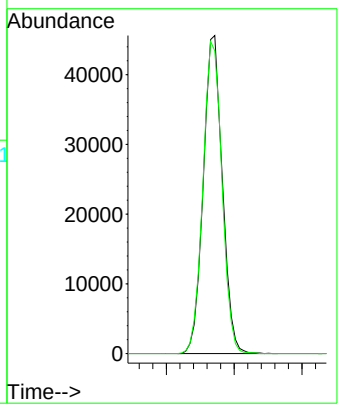
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

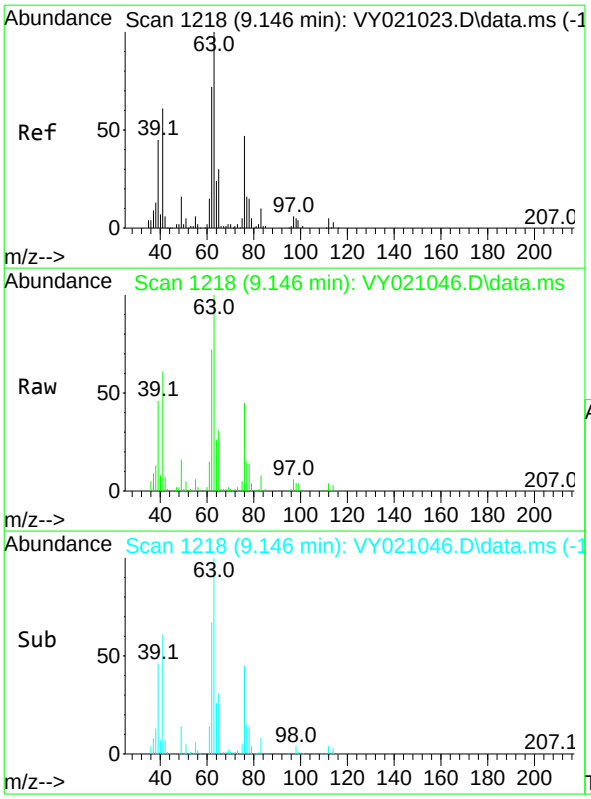


#44
Trichloroethene
Concen: 52.820 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:130 Resp: 88871

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	203.8

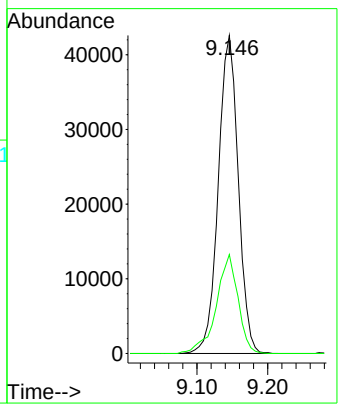




#45
1,2-Dichloropropane
Concen: 53.991 ug/l
RT: 9.146 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 63 Resp: 83455

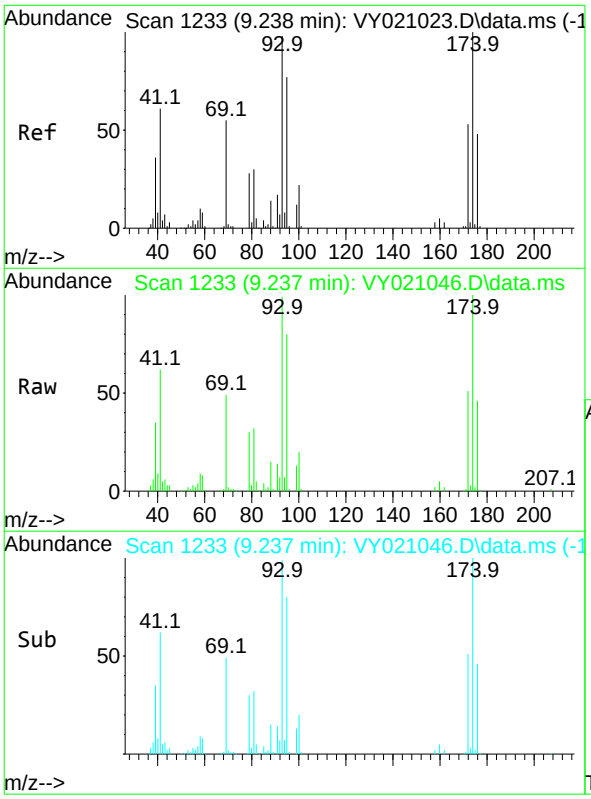
Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

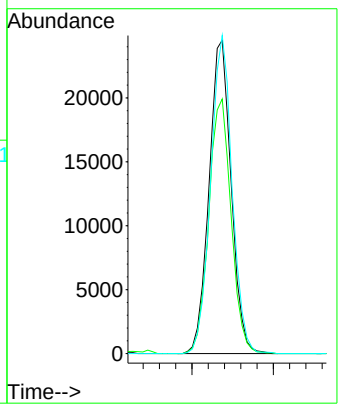
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

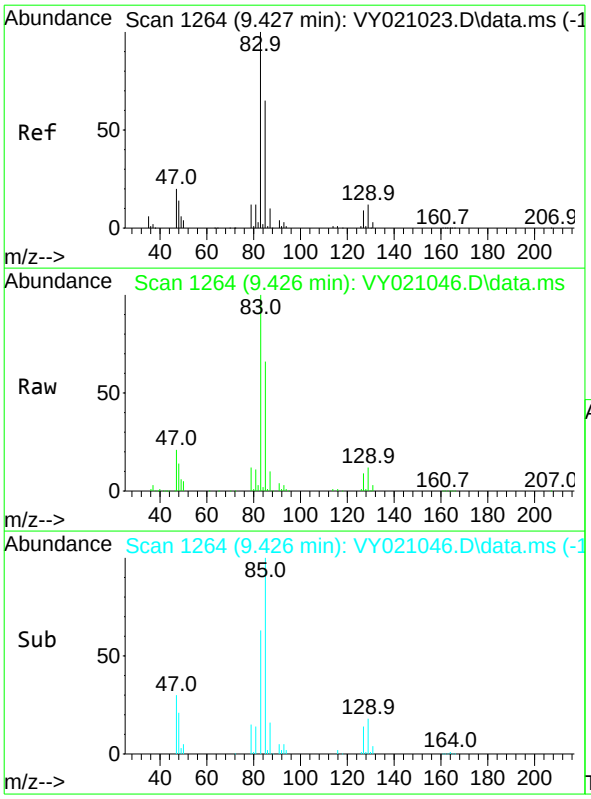


#46
Dibromomethane
Concen: 53.884 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 93 Resp: 46115

Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.6	99.8
174	98.7	73.8	110.6

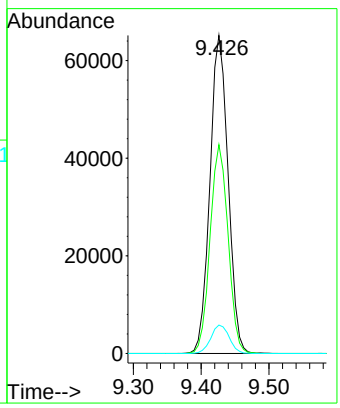




#47
Bromodichloromethane
Concen: 52.810 ug/l
RT: 9.426 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 83 Resp: 121213

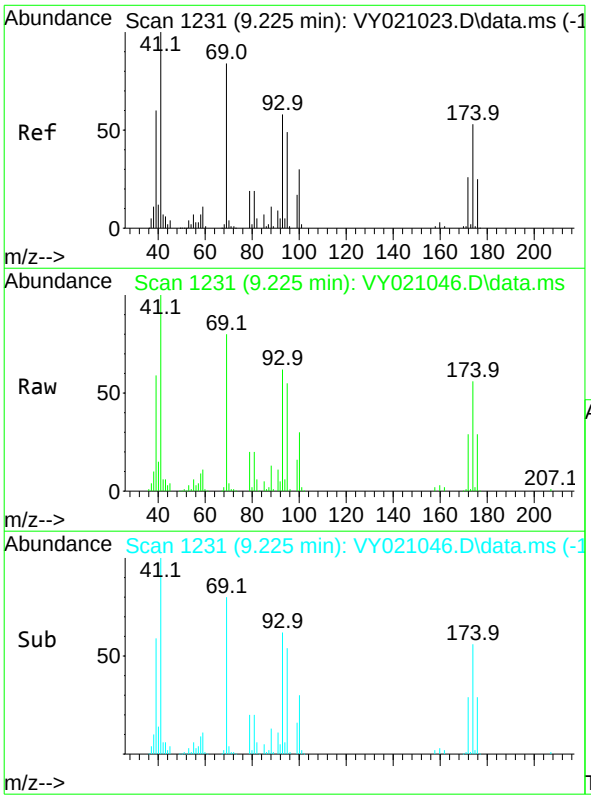
Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.2	79.8
127	8.9	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

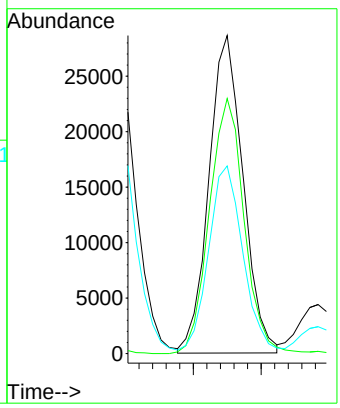
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

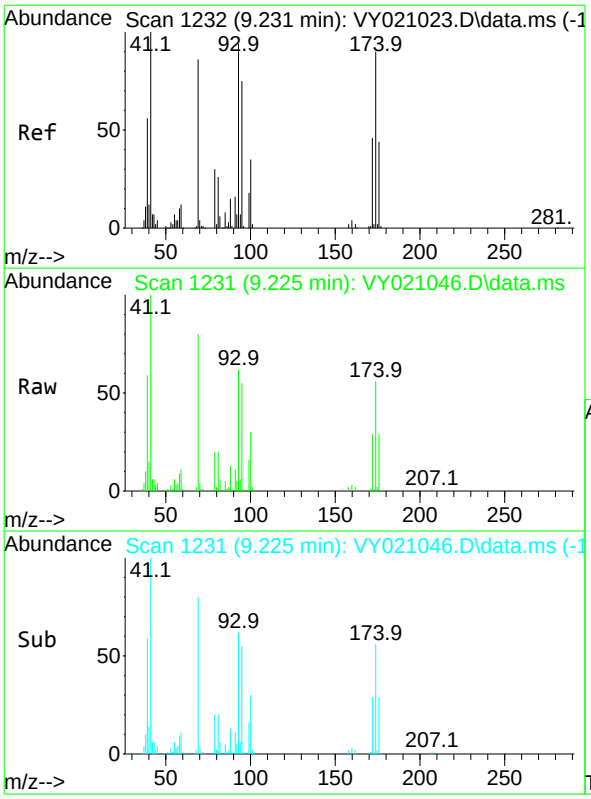


#48
Methyl methacrylate
Concen: 56.838 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 41 Resp: 50081

Ion	Ratio	Lower	Upper
41	100		
69	81.9	72.1	108.1
39	57.7	42.8	64.2





#49
1,4-Dioxane
Concen: 1150.358 ug/l
RT: 9.225 min Scan# 12
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

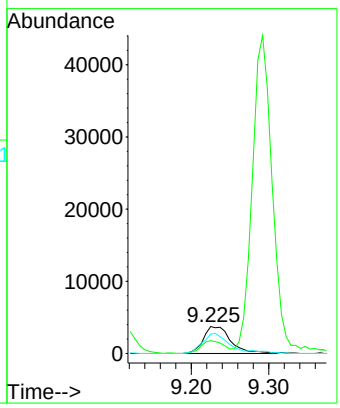
Tgt Ion: 88 Resp: 9165

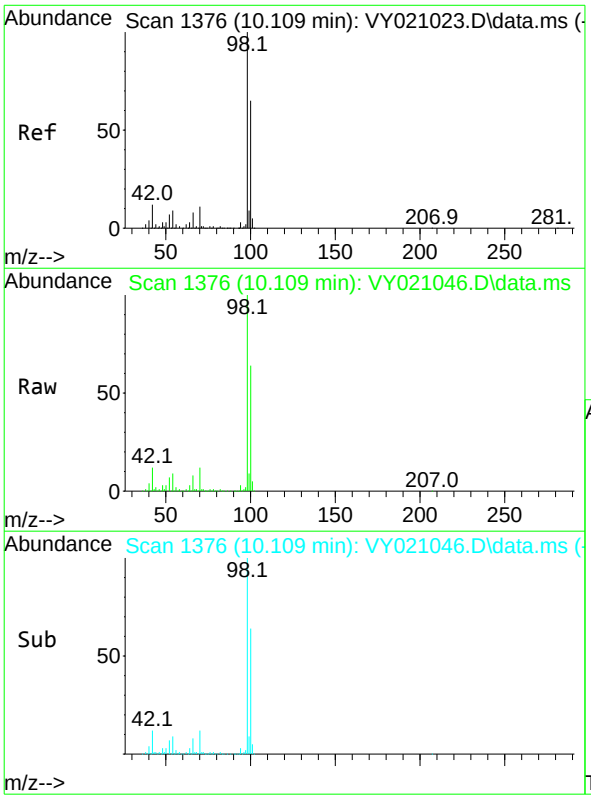
Ion	Ratio	Lower	Upper
88	100		
43	39.7	28.2	42.4
58	76.0	52.2	78.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

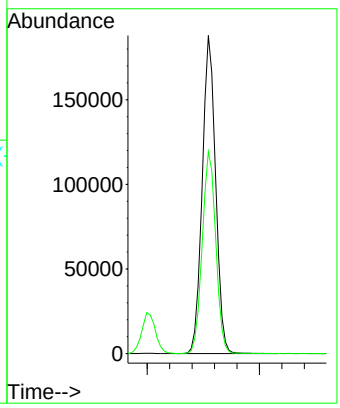


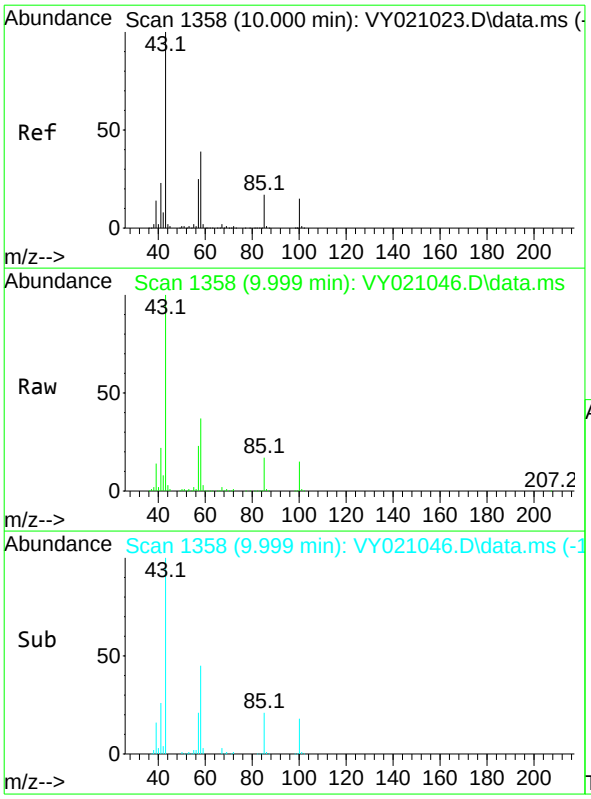


#50
Toluene-d8
Concen: 54.470 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 98 Resp: 310687

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.3	78.5

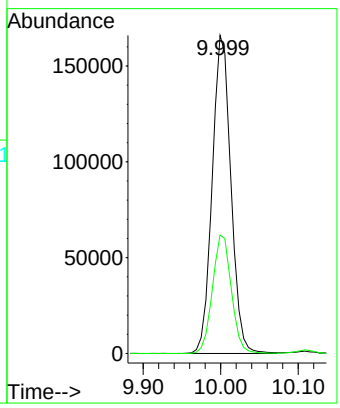




#51
4-Methyl-2-Pentanone
Concen: 285.788 ug/l
RT: 9.999 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 43 Resp: 277997

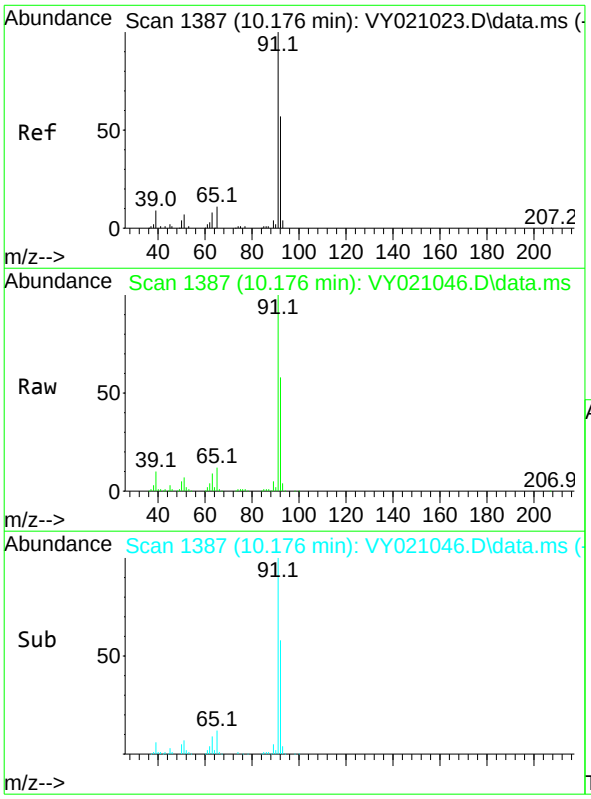
Ion	Ratio	Lower	Upper
43	100		
58	37.7	32.2	48.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

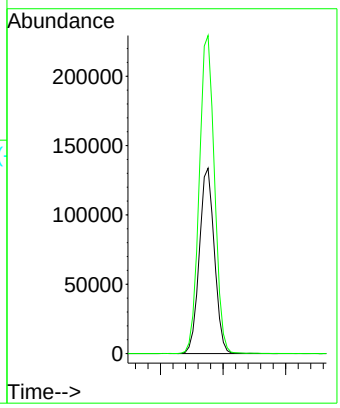
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

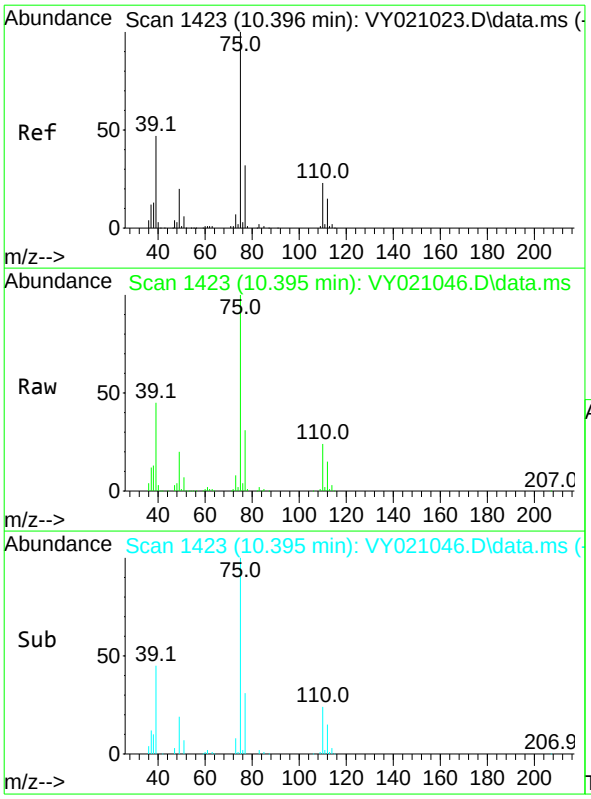


#52
Toluene
Concen: 54.566 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 92 Resp: 223128

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.6	206.4

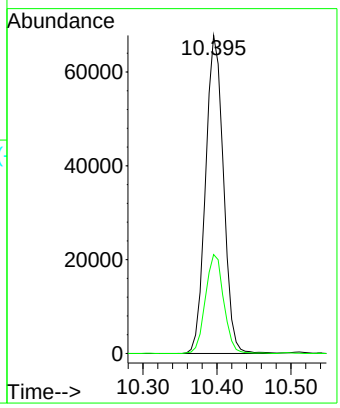




#53
t-1,3-Dichloropropene
Concen: 55.115 ug/l
RT: 10.395 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 75 Resp: 113590

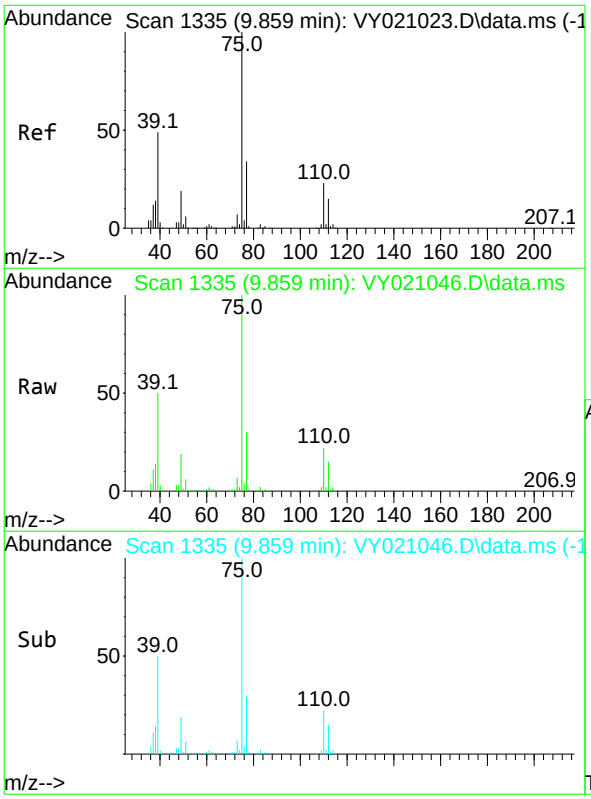
Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

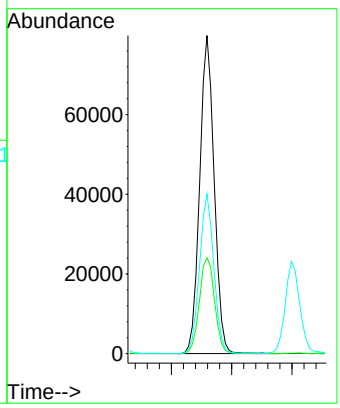
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

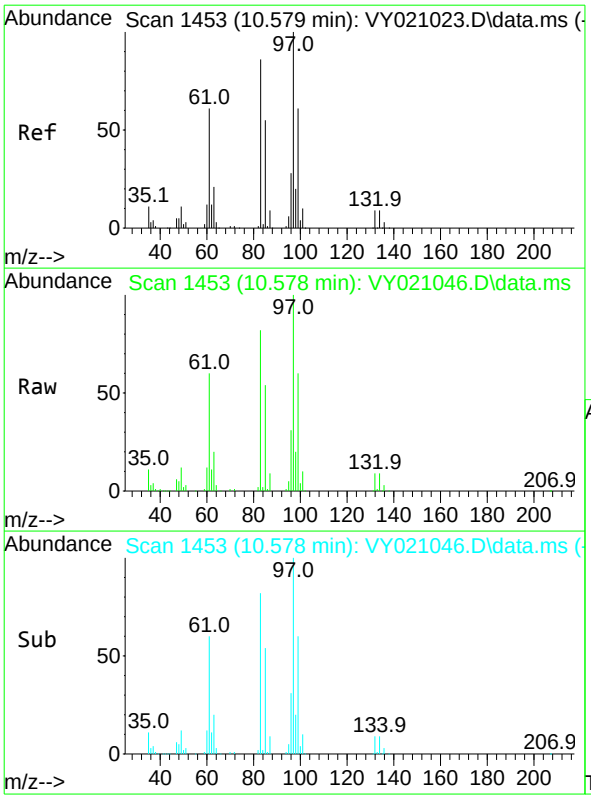


#54
cis-1,3-Dichloropropene
Concen: 54.522 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 75 Resp: 133048

Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.6	36.8
39	50.2	33.6	50.4

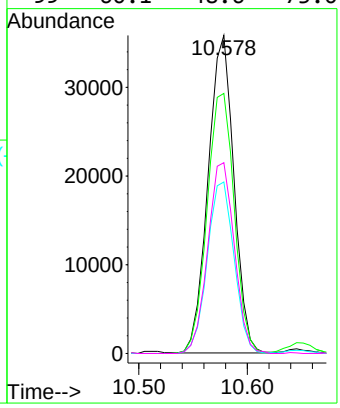




#55
1,1,2-Trichloroethane
Concen: 53.417 ug/l
RT: 10.578 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 97 Resp: 59199

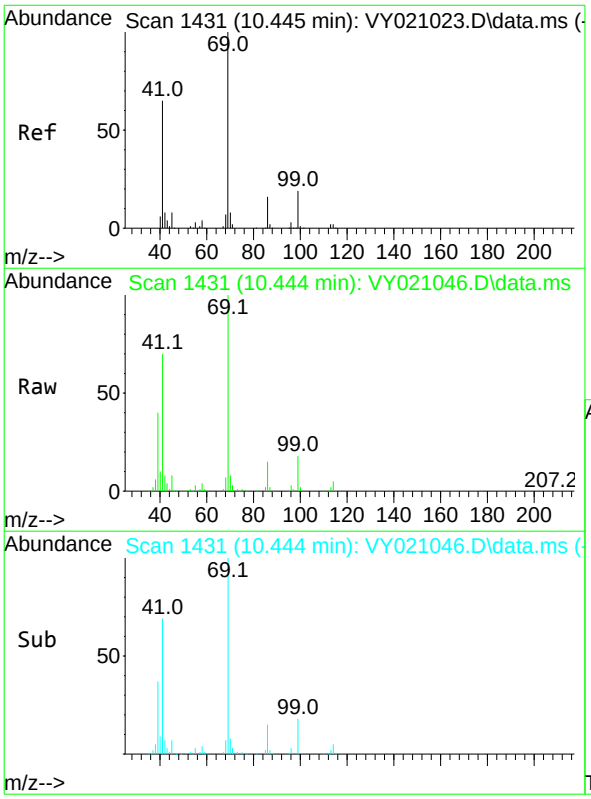
Ion	Ratio	Lower	Upper
97	100		
83	81.7	69.4	104.2
85	54.0	43.9	65.9
99	60.1	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

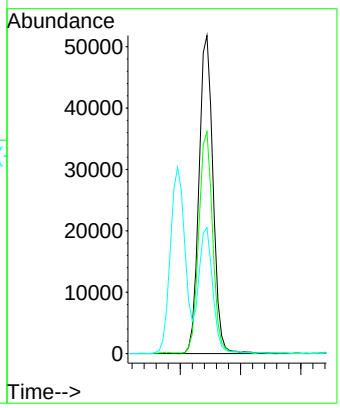
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

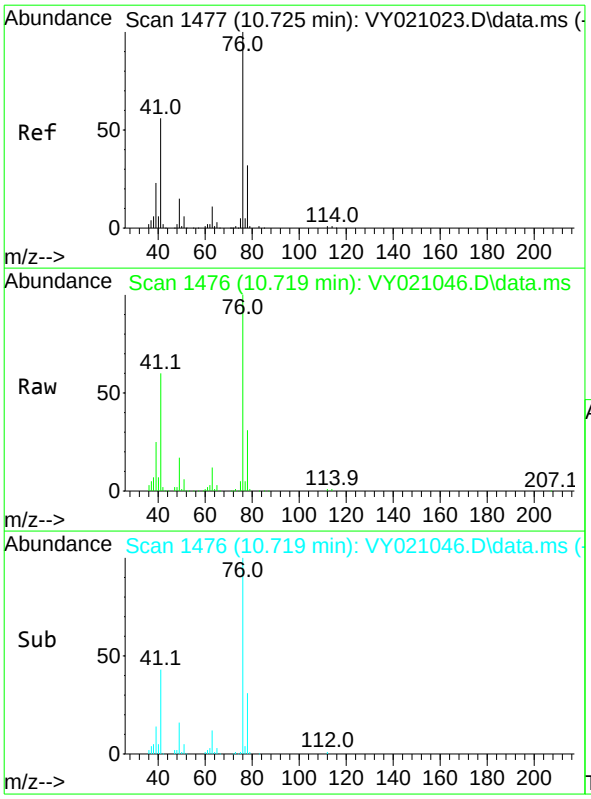


#56
Ethyl methacrylate
Concen: 56.536 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 69 Resp: 83819

Ion	Ratio	Lower	Upper
69	100		
41	68.3	49.2	73.8
39	39.7	26.8	40.2

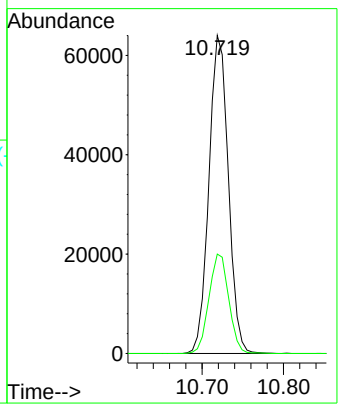




#57
1,3-Dichloropropane
Concen: 55.271 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 76 Resp: 106023

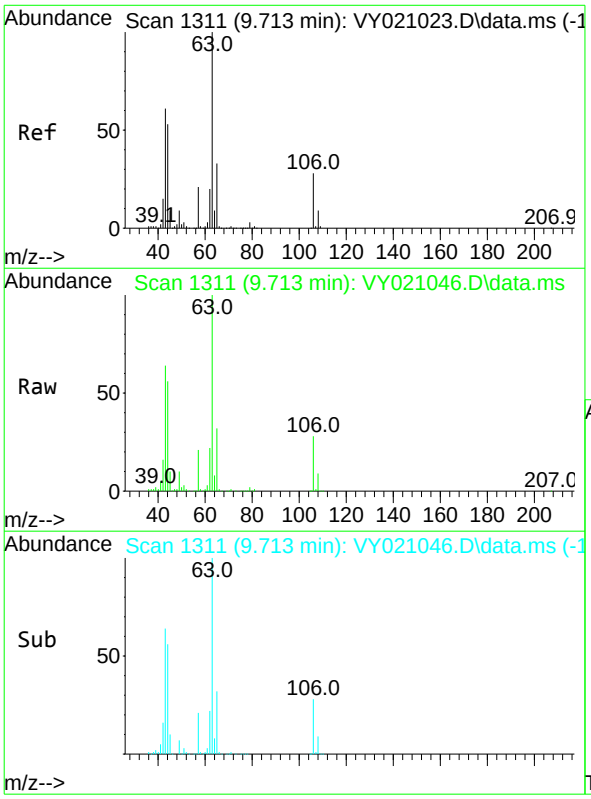
Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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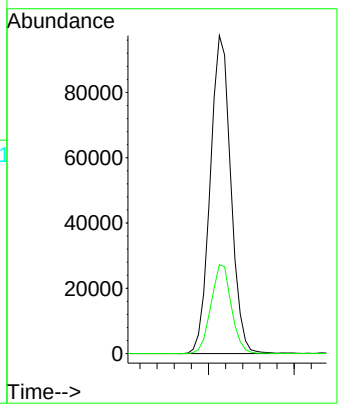
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

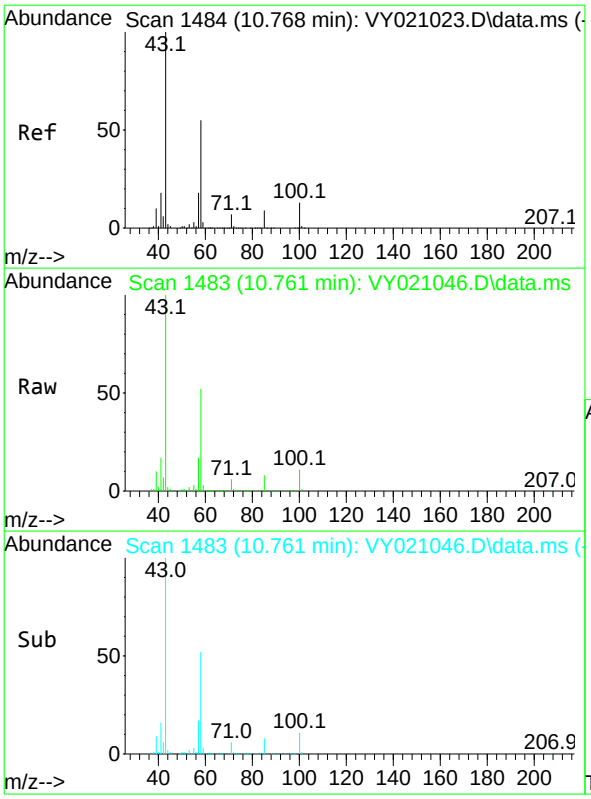


#58
2-Chloroethyl Vinyl ether
Concen: 230.818 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 63 Resp: 162803

Ion	Ratio	Lower	Upper
63	100		
106	27.7	22.4	33.6

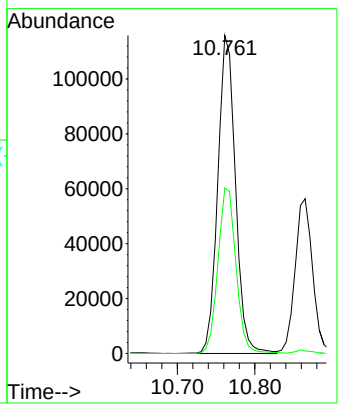




#59
2-Hexanone
Concen: 293.528 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 43 Resp: 183839

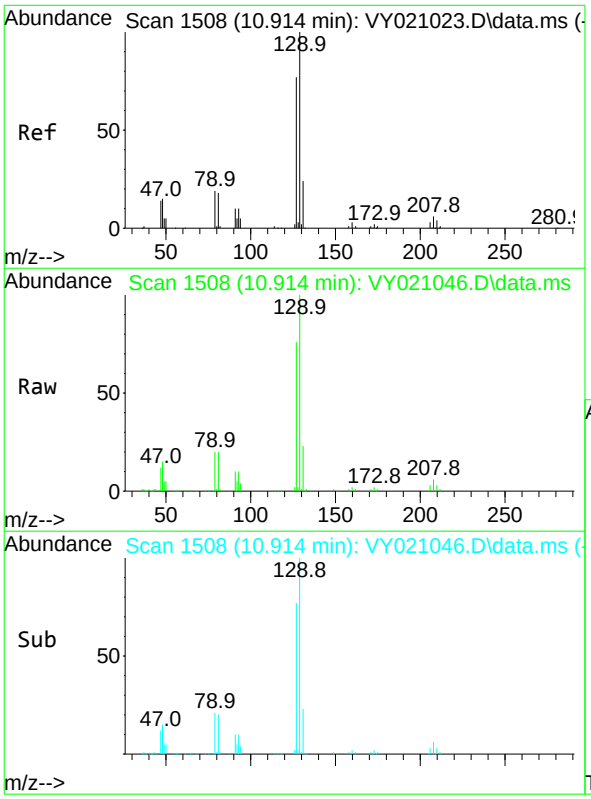
Ion	Ratio	Lower	Upper
43	100		
58	53.1	28.1	84.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

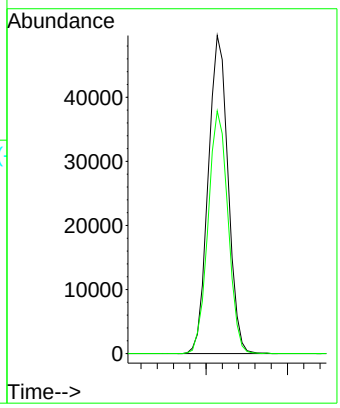
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

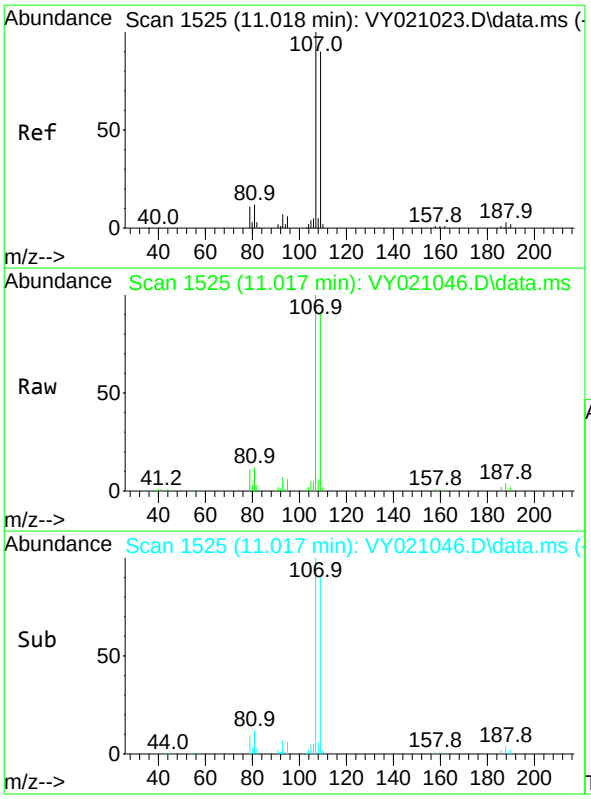


#60
Dibromochloromethane
Concen: 53.995 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:129 Resp: 84035

Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.2	117.6

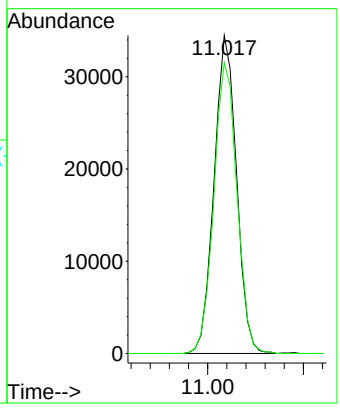




#61
1,2-Dibromoethane
Concen: 54.075 ug/l
RT: 11.017 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:107 Resp: 56133

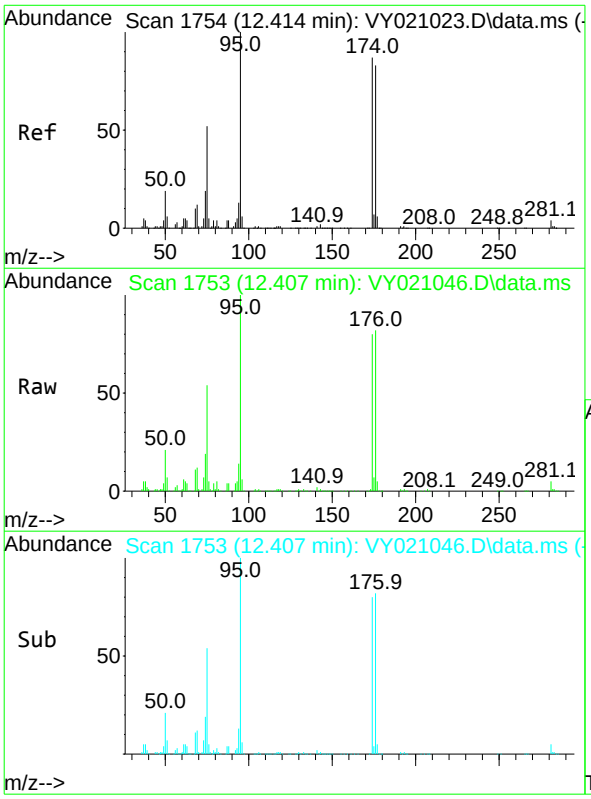
Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

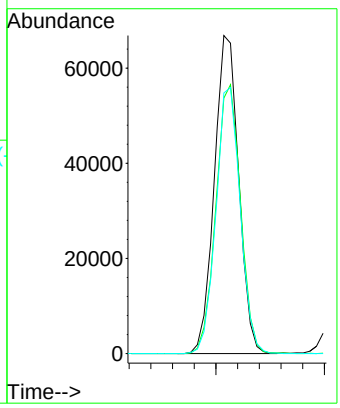
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

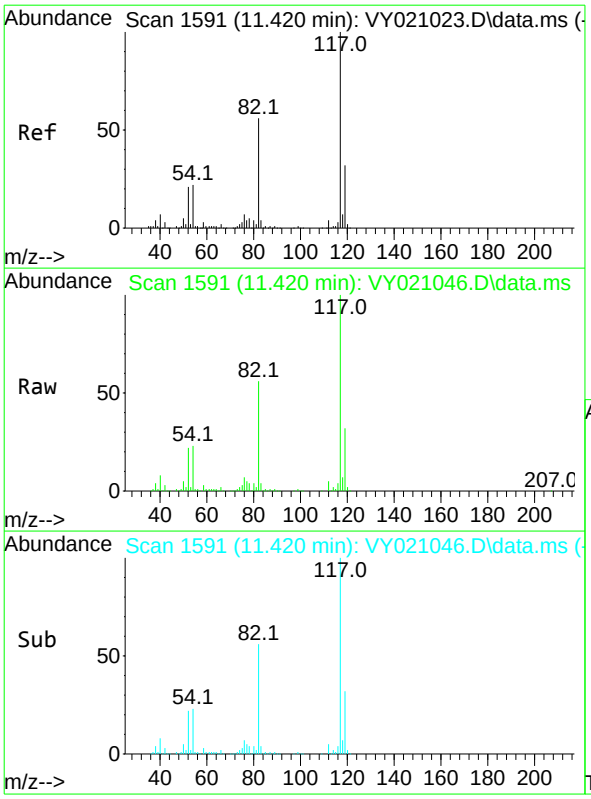


#62
4-Bromofluorobenzene
Concen: 55.893 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 95 Resp: 104152

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	160.0
176	83.2	0.0	151.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

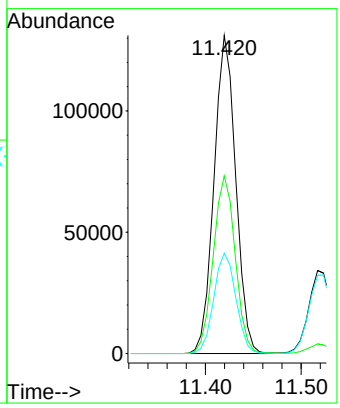
Tgt Ion:117 Resp: 206737

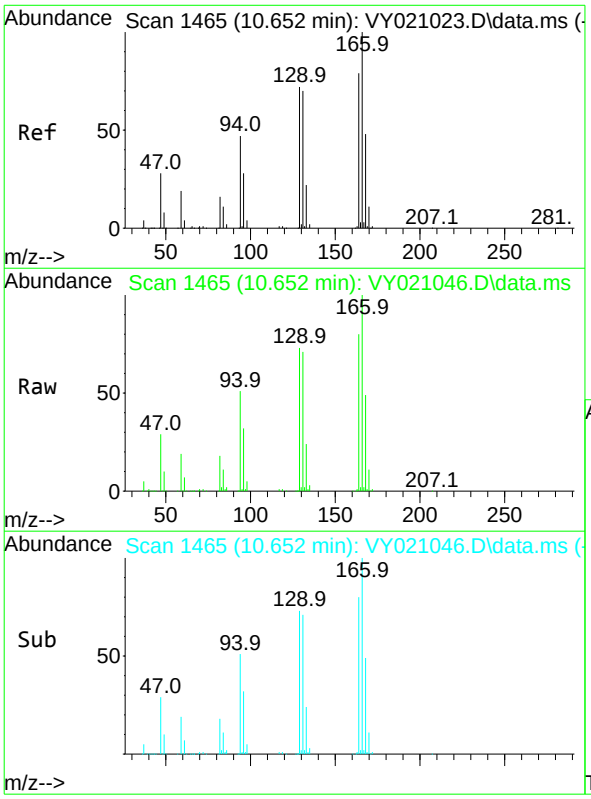
Ion	Ratio	Lower	Upper
117	100		
82	55.9	43.8	65.8
119	31.6	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

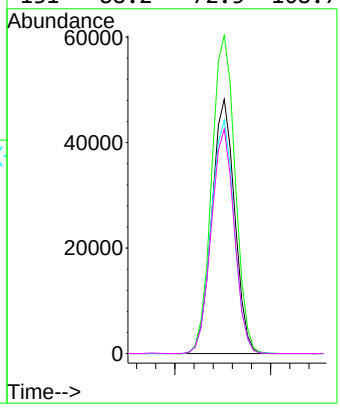


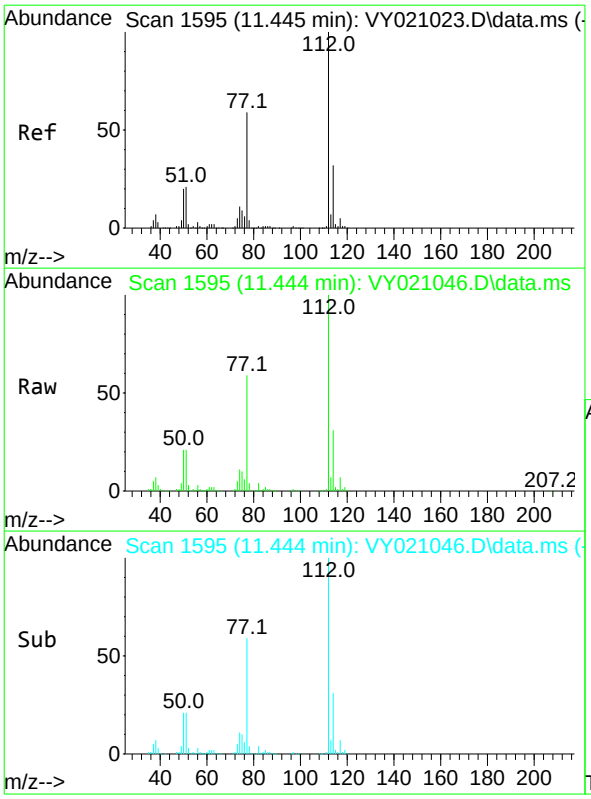


#64
Tetrachloroethene
Concen: 52.134 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:164 Resp: 80010

Ion	Ratio	Lower	Upper
164	100		
166	125.1	98.8	148.2
129	91.7	78.9	118.3
131	88.2	72.5	108.7

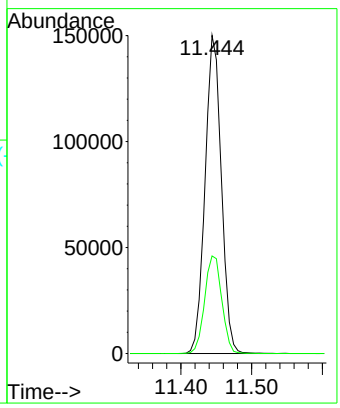




#65
Chlorobenzene
Concen: 52.034 ug/l
RT: 11.444 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:112 Resp: 239533

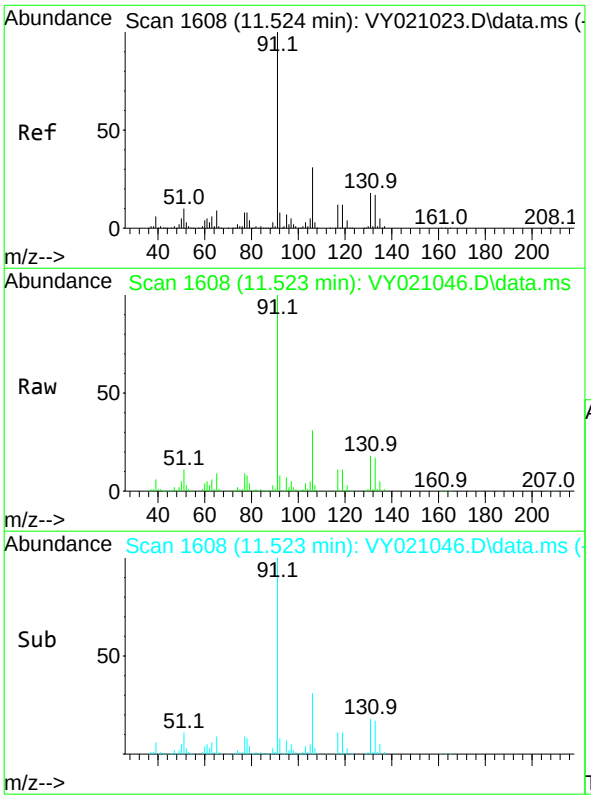
Ion	Ratio	Lower	Upper
112	100		
114	30.7	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

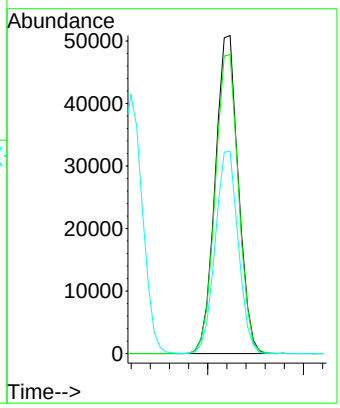
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

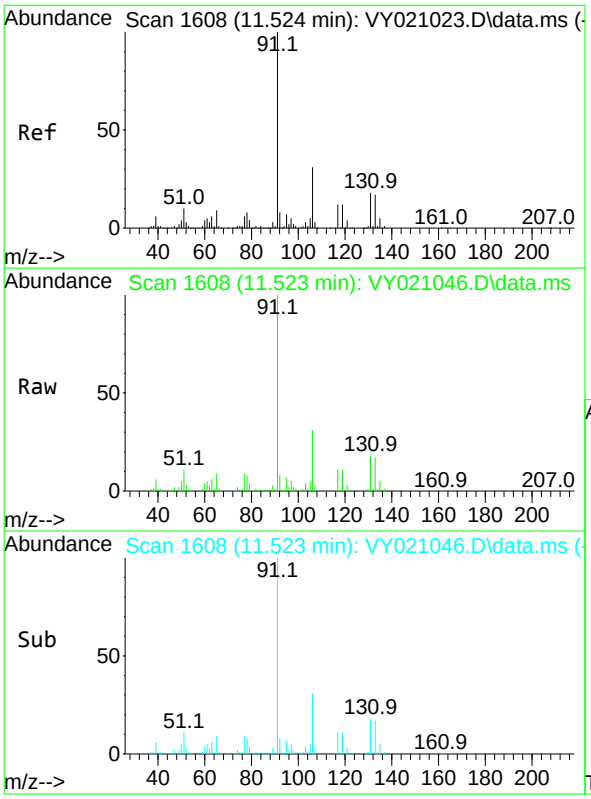


#66
1,1,1,2-Tetrachloroethane
Concen: 52.124 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:131 Resp: 85270

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.0	141.0
119	63.4	33.3	99.9

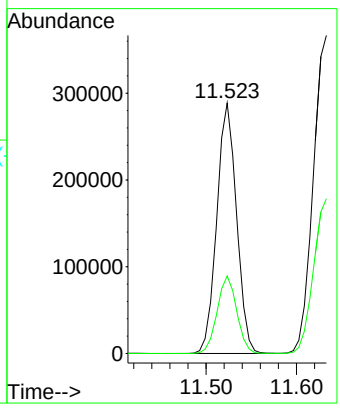




#67
Ethyl Benzene
Concen: 53.795 ug/l
RT: 11.523 min Scan# 16
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 91 Resp: 438006

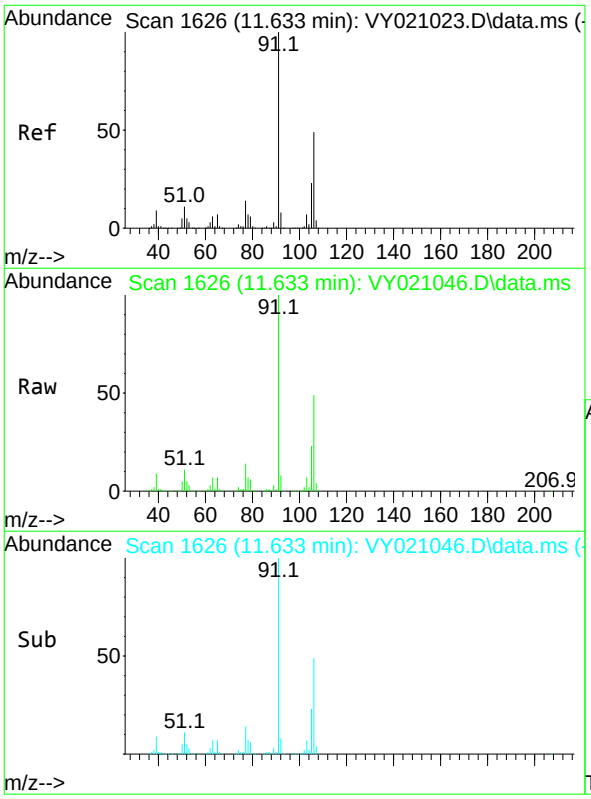
Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

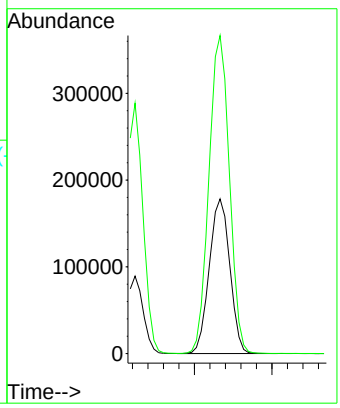
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

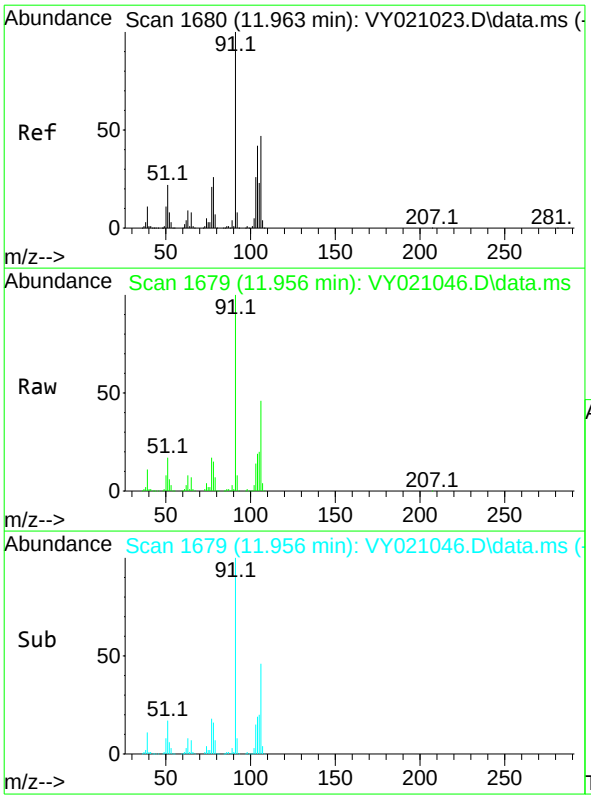


#68
m/p-Xylenes
Concen: 107.665 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:106 Resp: 327944

Ion	Ratio	Lower	Upper
106	100		
91	204.5	160.7	241.1

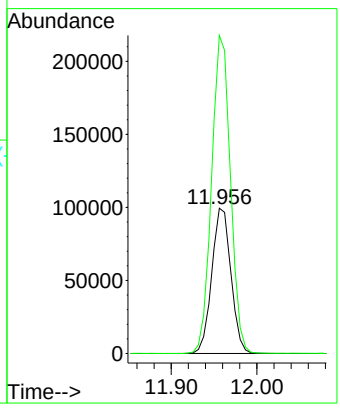




#69
o-Xylene
Concen: 54.388 ug/l
RT: 11.956 min Scan# 16
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:106 Resp: 154451

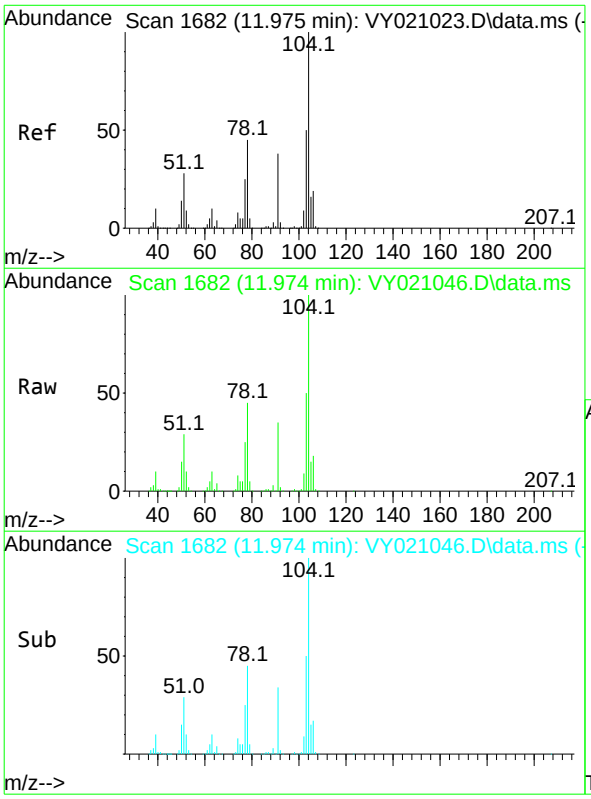
Ion	Ratio	Lower	Upper
106	100		
91	215.4	106.5	319.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

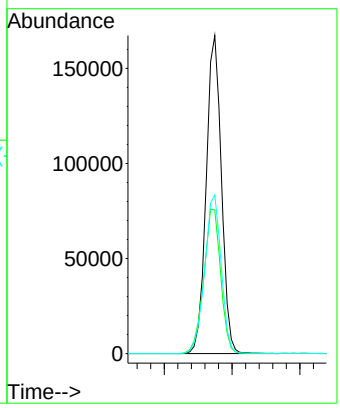
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

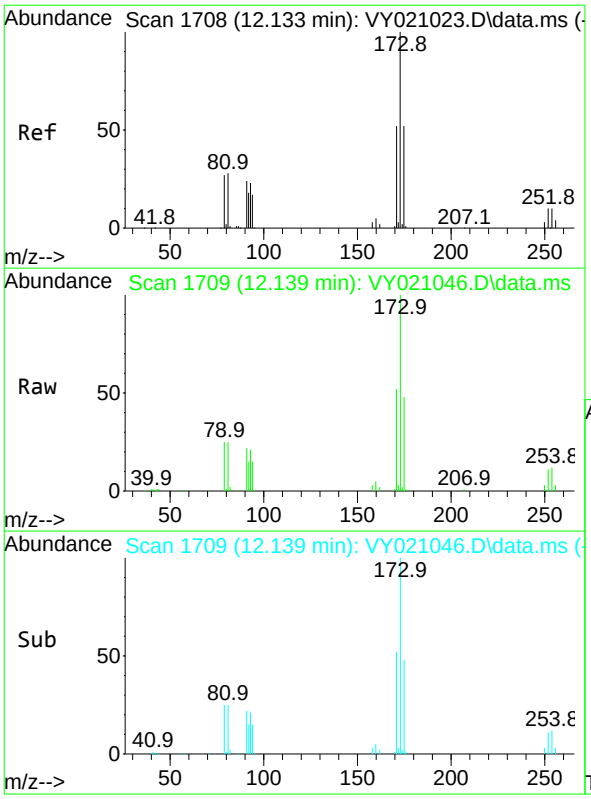


#70
Styrene
Concen: 55.088 ug/l
RT: 11.974 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:104 Resp: 260738

Ion	Ratio	Lower	Upper
104	100		
78	50.6	39.2	58.8
103	54.2	43.8	65.6

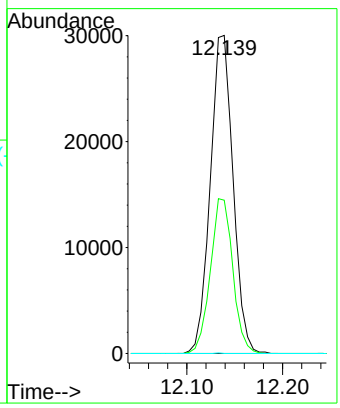




#71
Bromoform
Concen: 54.488 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:173 Resp: 49616

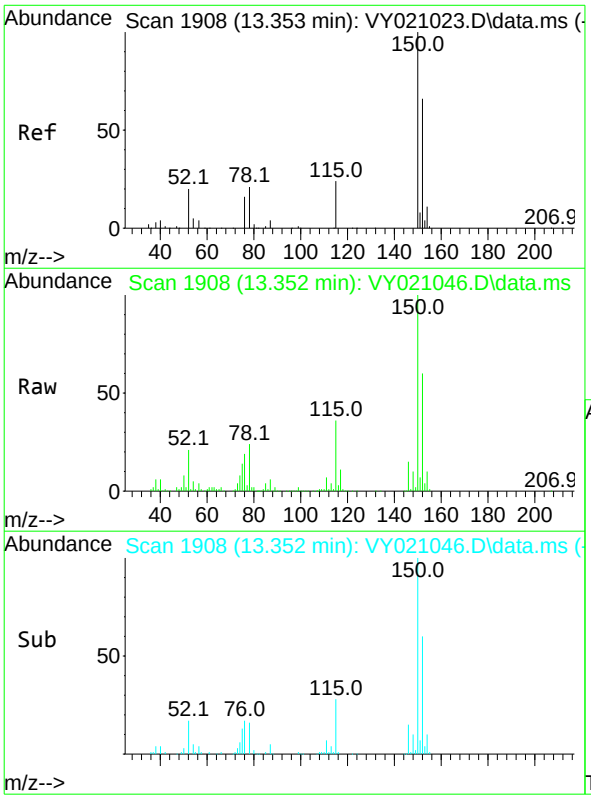
Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

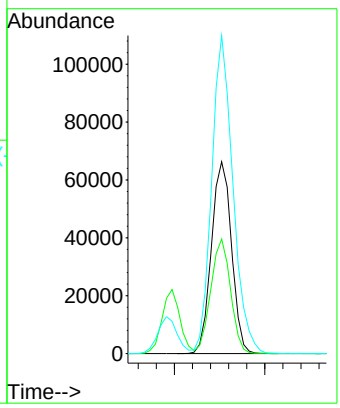
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

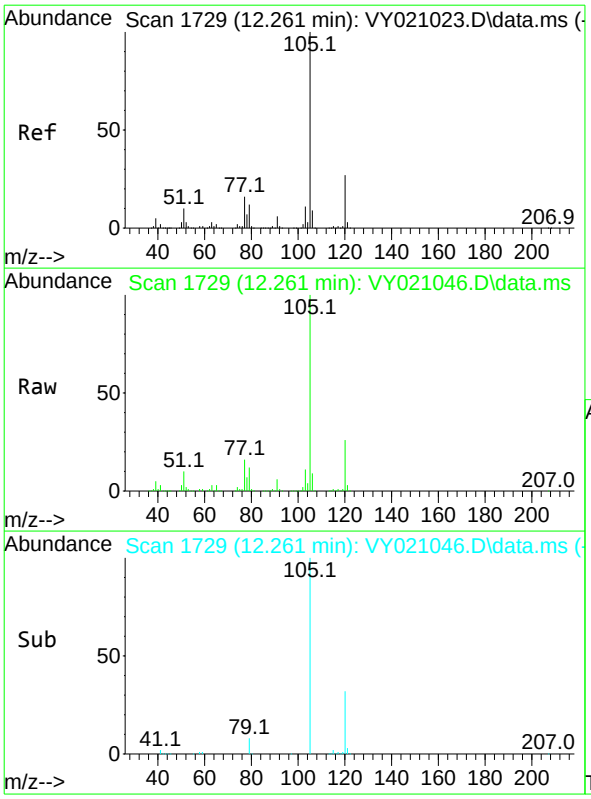


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:152 Resp: 102470

Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.0	90.0
150	175.6	0.0	344.6

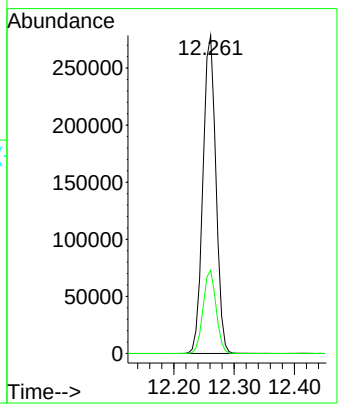




#73
Isopropylbenzene
Concen: 51.892 ug/l
RT: 12.261 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:105 Resp: 415362

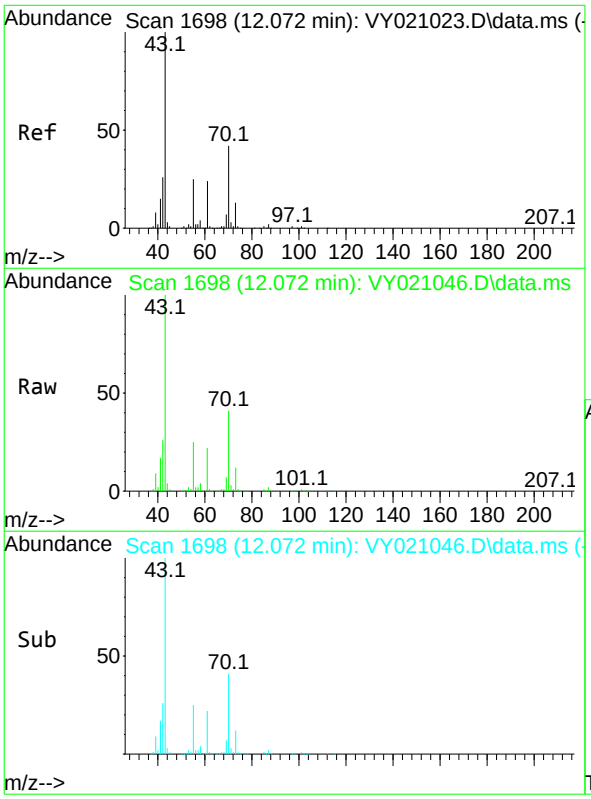
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

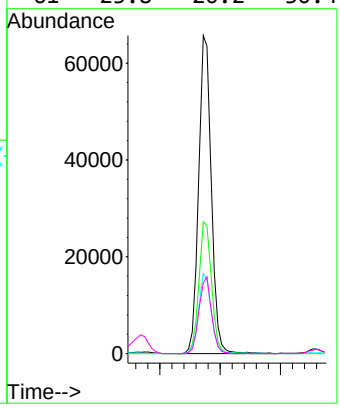
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

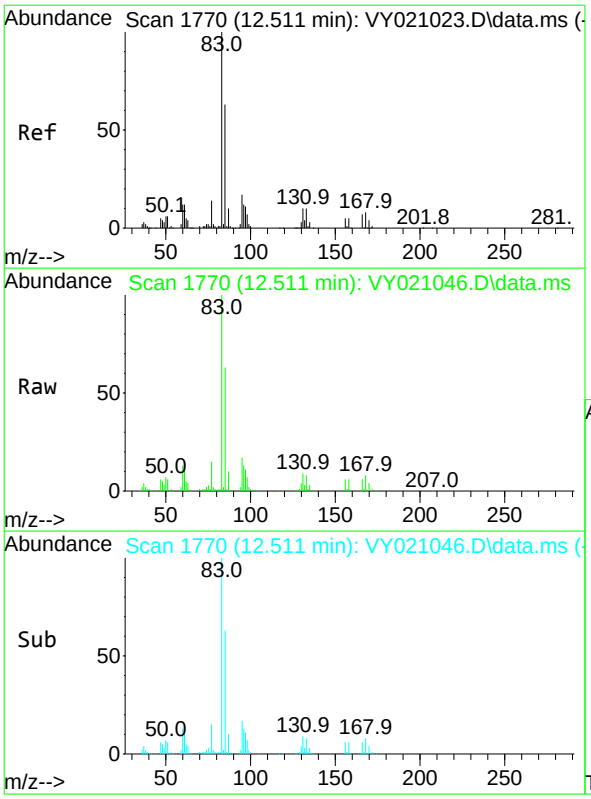


#74
N-amyl acetate
Concen: 54.756 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 43 Resp: 95822

Ion	Ratio	Lower	Upper
43	100		
70	41.4	36.6	55.0
55	25.1	22.2	33.4
61	23.8	20.2	30.4

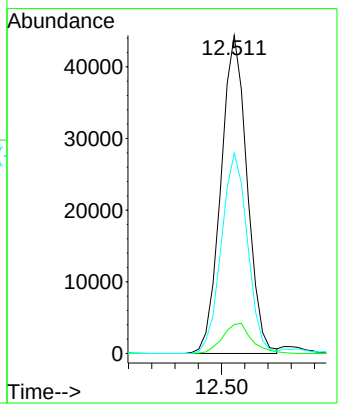




#75
1,1,2,2-Tetrachloroethane
Concen: 52.140 ug/l
RT: 12.511 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 83 Resp: 69410

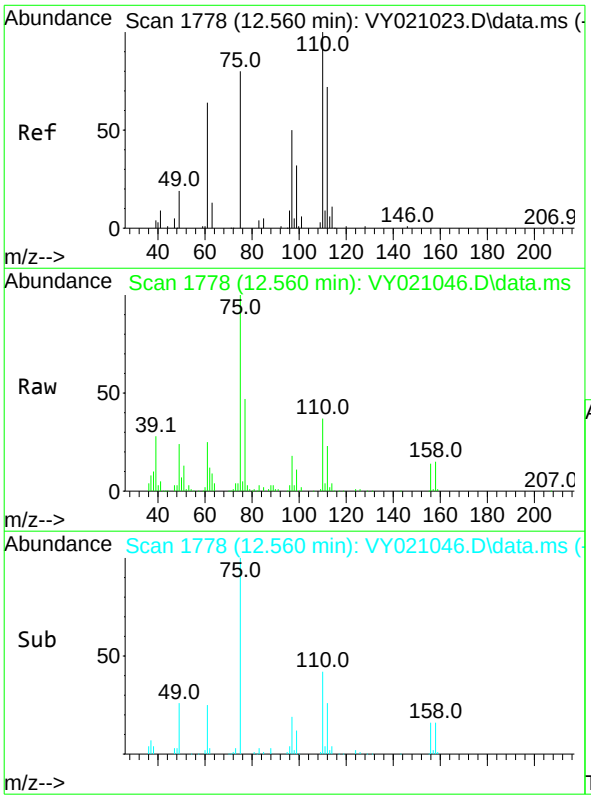
Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.6
85	62.8	32.6	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

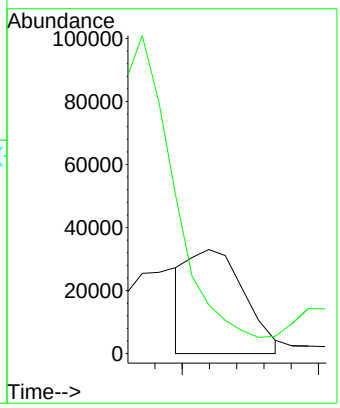
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

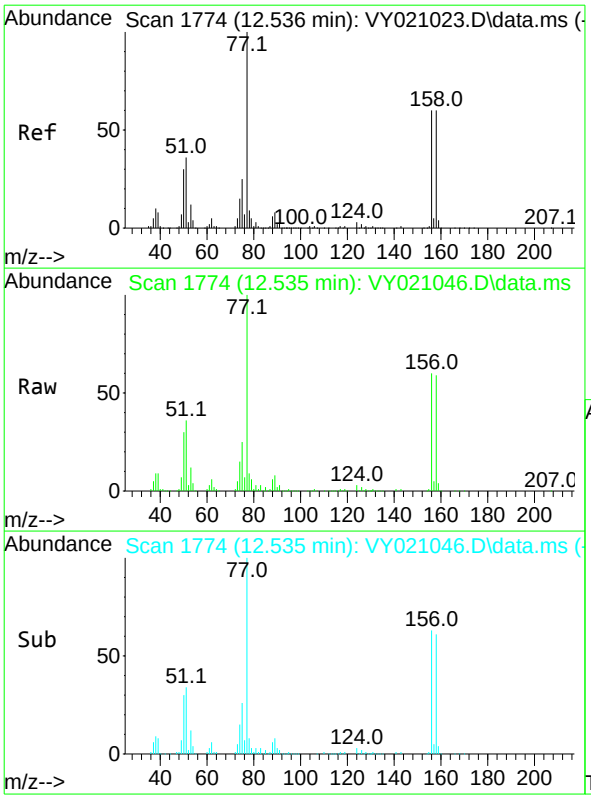


#76
1,2,3-Trichloropropane
Concen: 51.213 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 75 Resp: 47604

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 51.330 ug/l
RT: 12.535 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

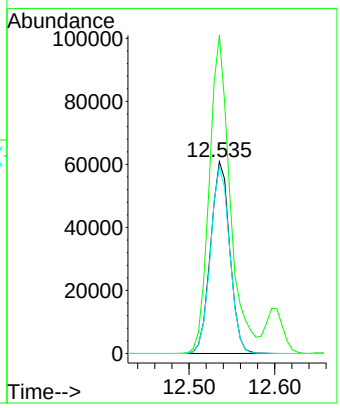
Tgt Ion:156 Resp: 94814

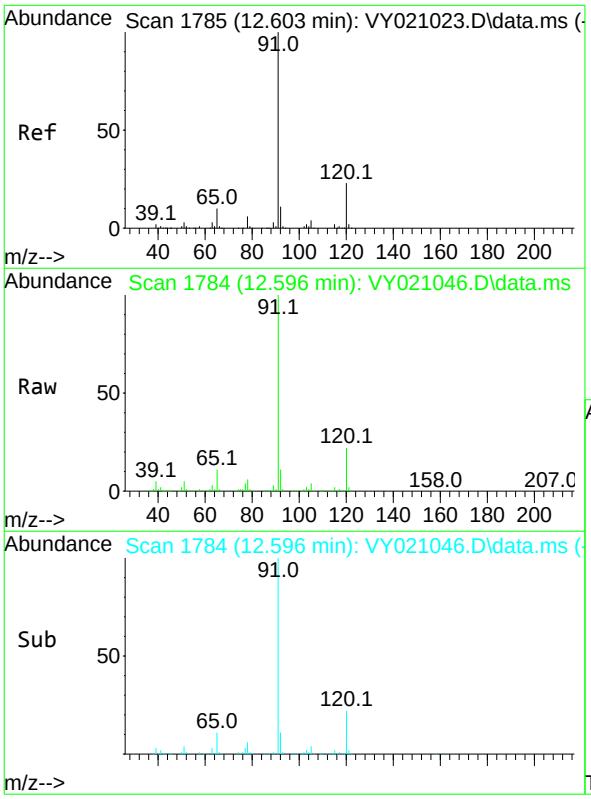
Ion	Ratio	Lower	Upper
156	100		
77	179.0	97.3	291.8
158	97.4	48.4	145.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

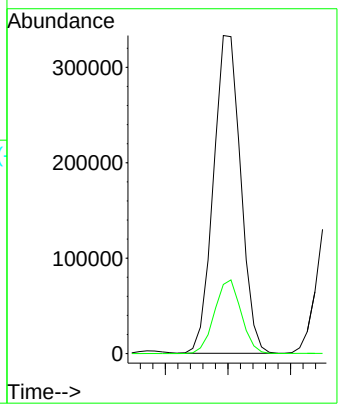


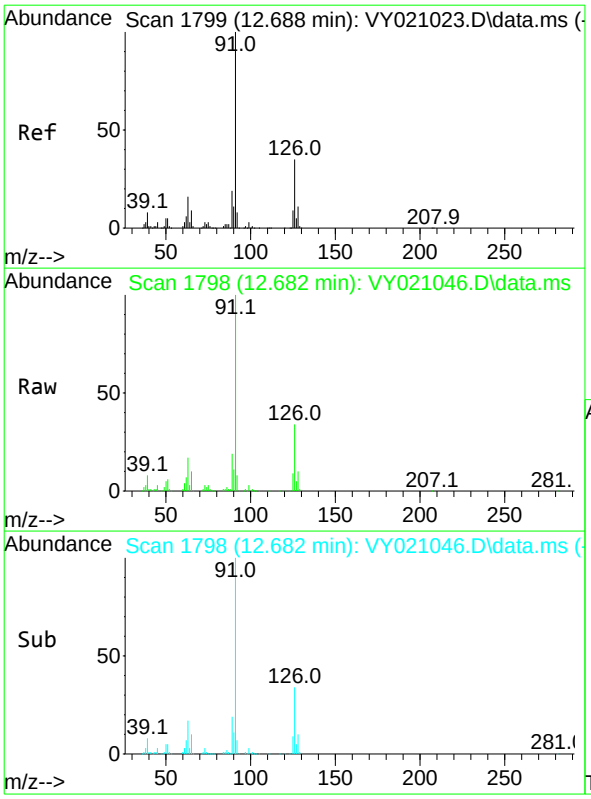


#78
n-propylbenzene
Concen: 52.792 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 91 Resp: 503375

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.0	33.0

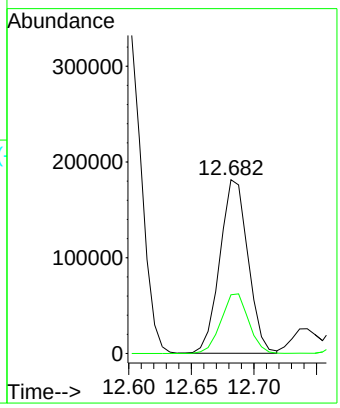




#79
2-Chlorotoluene
Concen: 51.924 ug/l
RT: 12.682 min Scan# 17
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 91 Resp: 283562

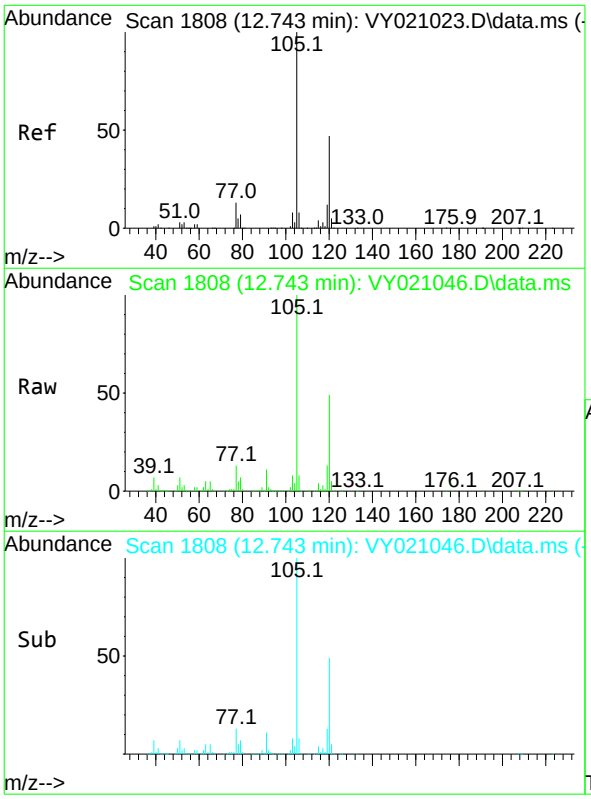
Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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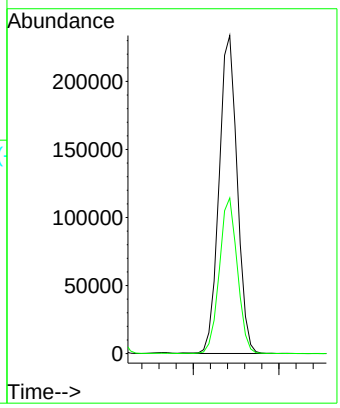
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

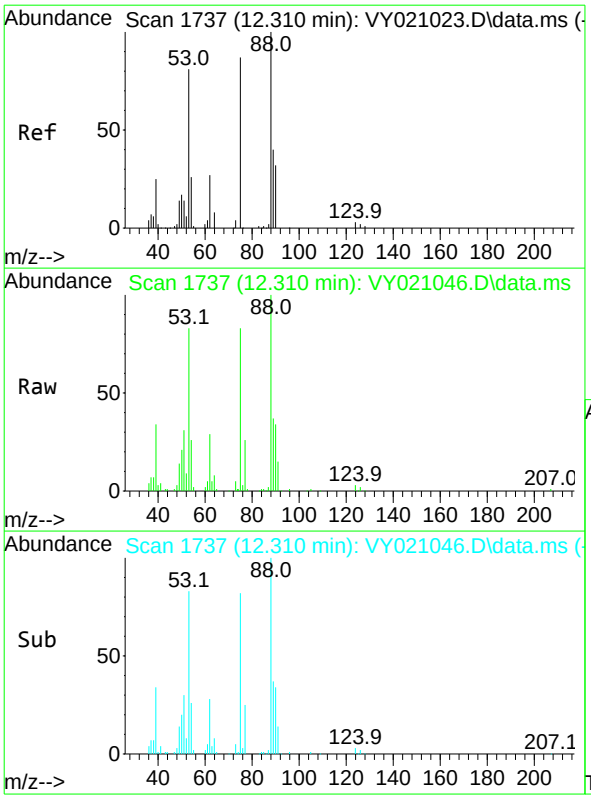


#80
1,3,5-Trimethylbenzene
Concen: 52.986 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:105 Resp: 343866

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 50.860 ug/l
RT: 12.310 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

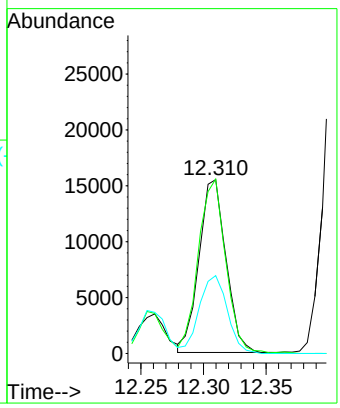
Tgt Ion: 75 Resp: 23169

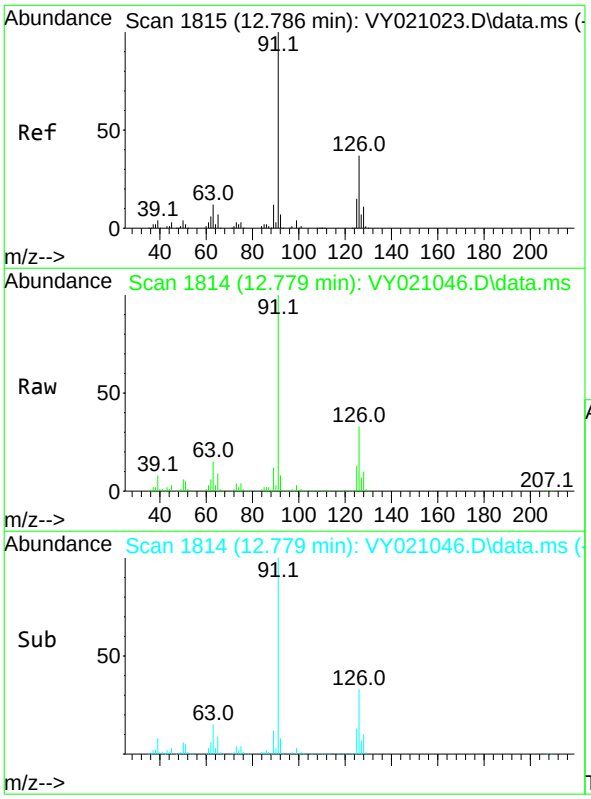
Ion	Ratio	Lower	Upper
75	100		
53	103.0	74.0	111.0
89	47.0	36.5	54.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

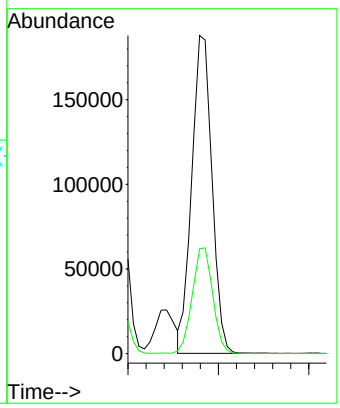


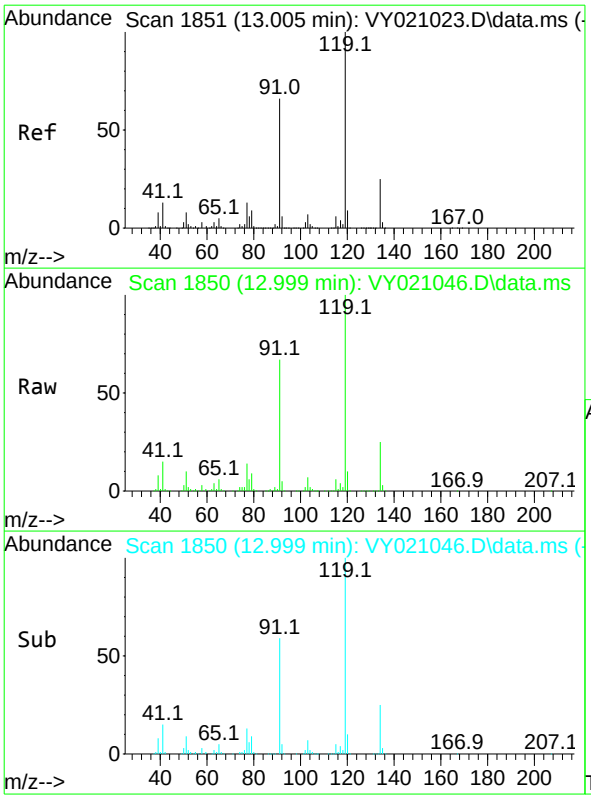


#82
4-Chlorotoluene
Concen: 52.316 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 91 Resp: 291090

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.1	51.2

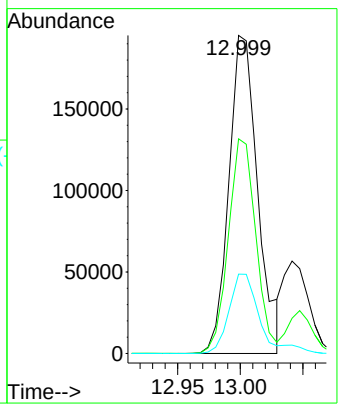




#83
tert-Butylbenzene
Concen: 52.997 ug/l
RT: 12.999 min Scan# 18
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:119 Resp: 312620

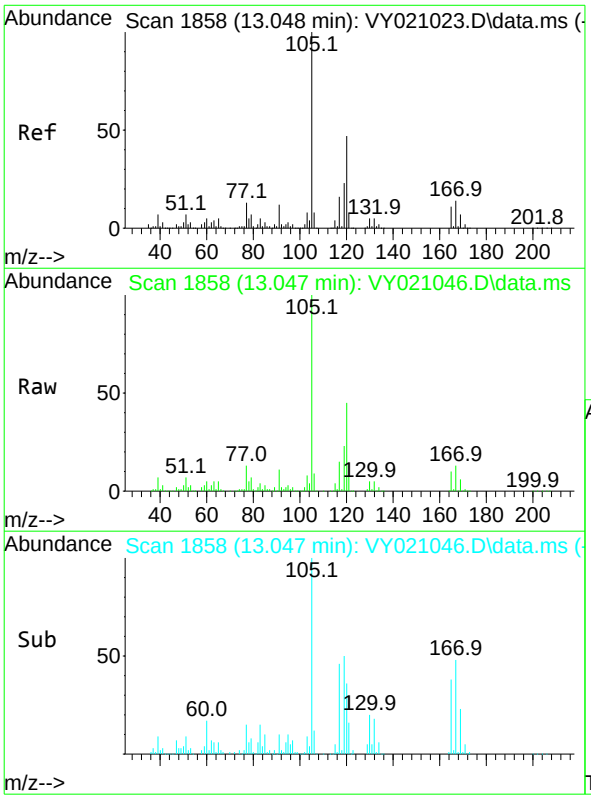
Ion	Ratio	Lower	Upper
119	100		
91	64.4	31.5	94.5
134	26.5	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

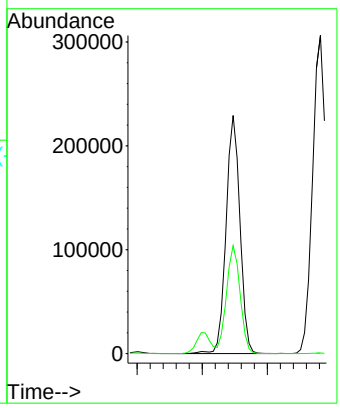
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

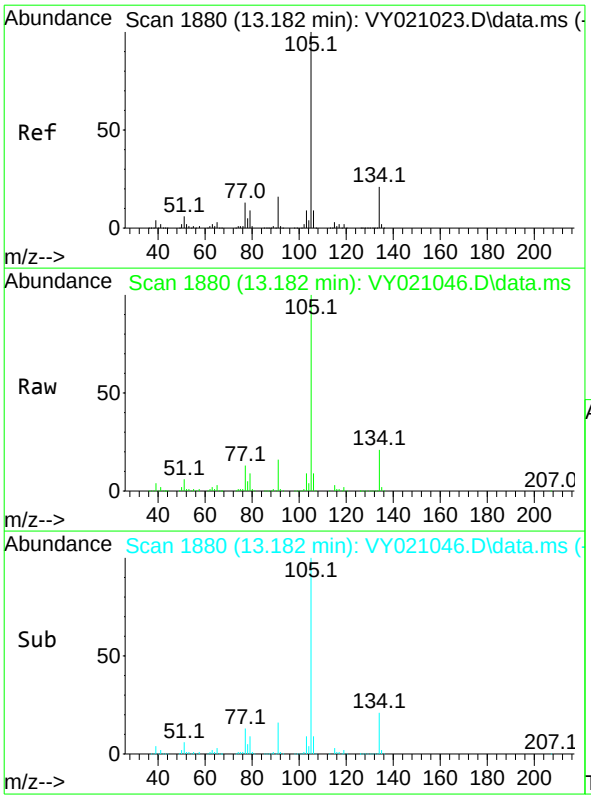


#84
1,2,4-Trimethylbenzene
Concen: 53.490 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:105 Resp: 339419

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.3

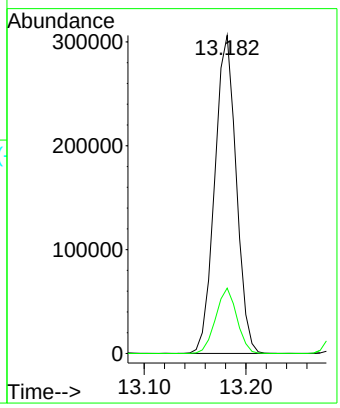




#85
sec-Butylbenzene
Concen: 52.886 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:105 Resp: 449069

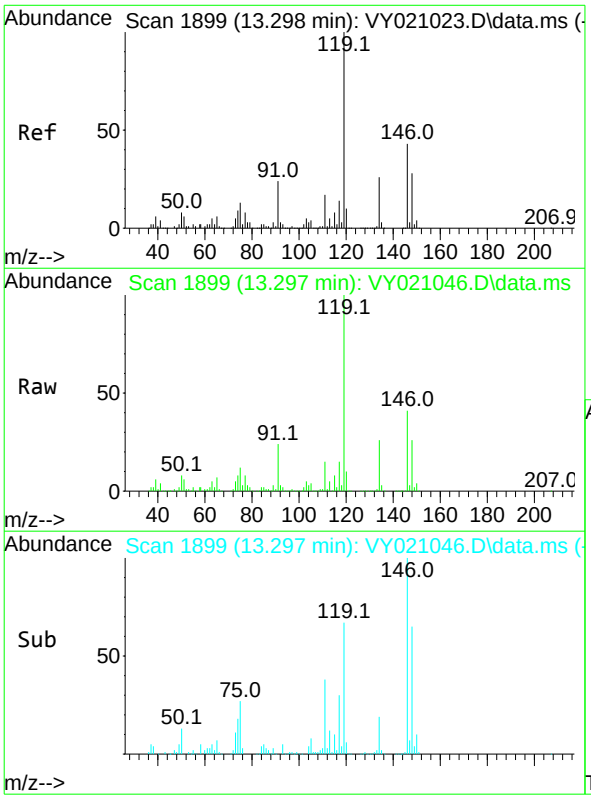
Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

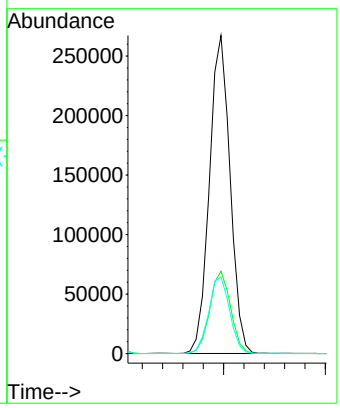
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

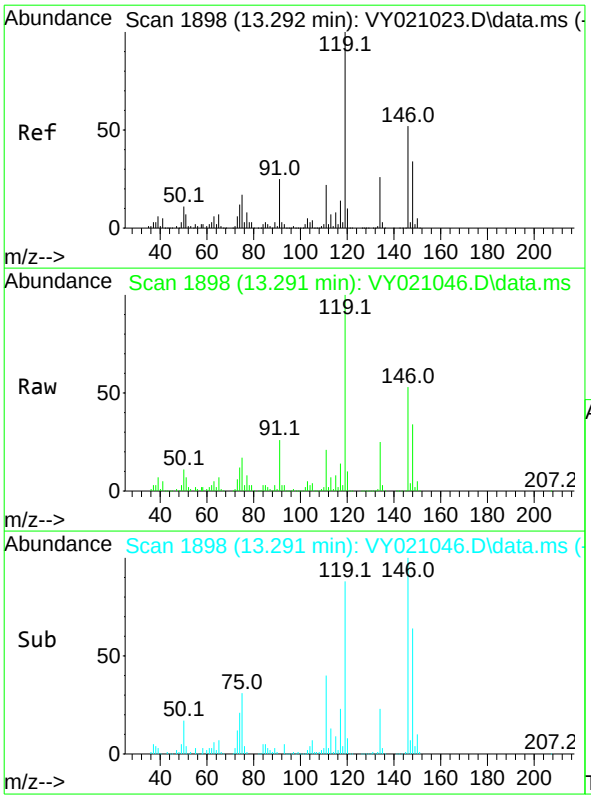


#86
p-Isopropyltoluene
Concen: 53.511 ug/l
RT: 13.297 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:119 Resp: 377440

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	24.5	11.7	35.0

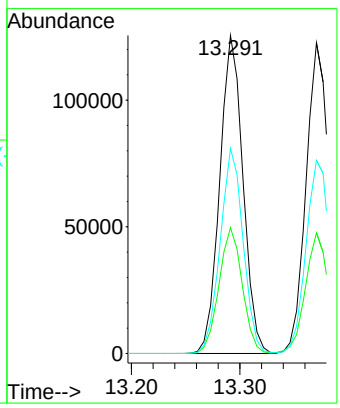




#87
1,3-Dichlorobenzene
Concen: 52.317 ug/l
RT: 13.291 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:146 Resp: 186592

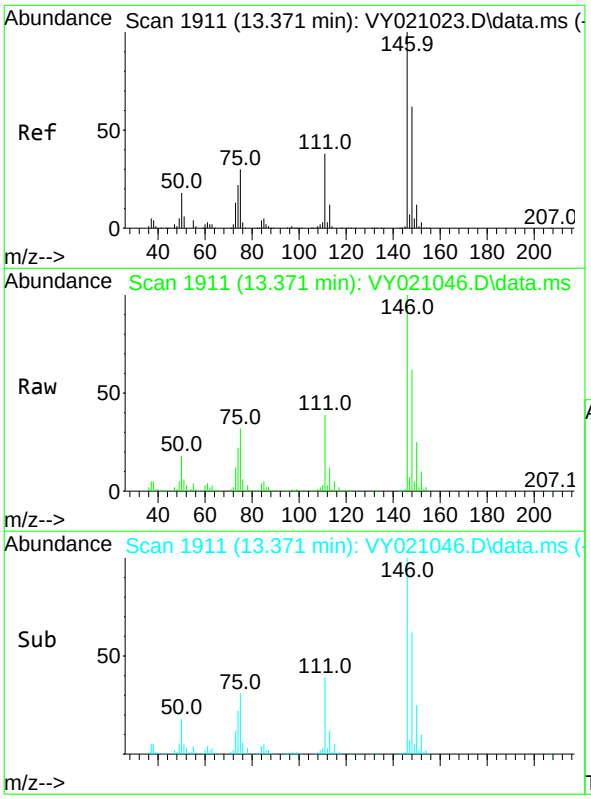
Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.2	60.5
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

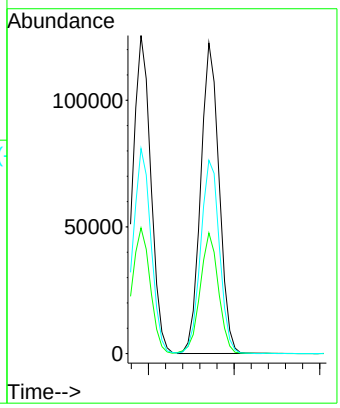
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

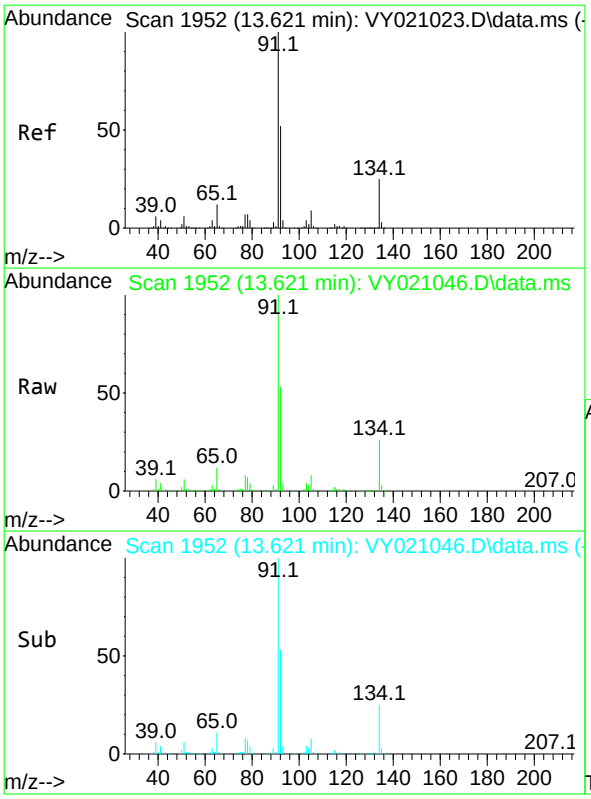


#88
1,4-Dichlorobenzene
Concen: 52.145 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:146 Resp: 183116

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	63.7	31.6	94.7





#89
n-Butylbenzene
Concen: 54.781 ug/l
RT: 13.621 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

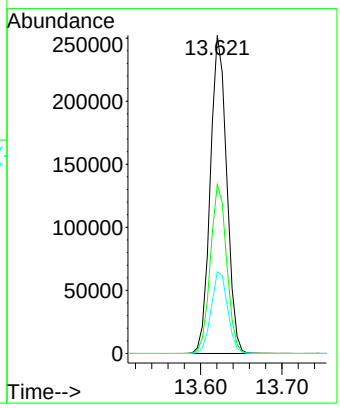
Tgt Ion: 91 Resp: 352502

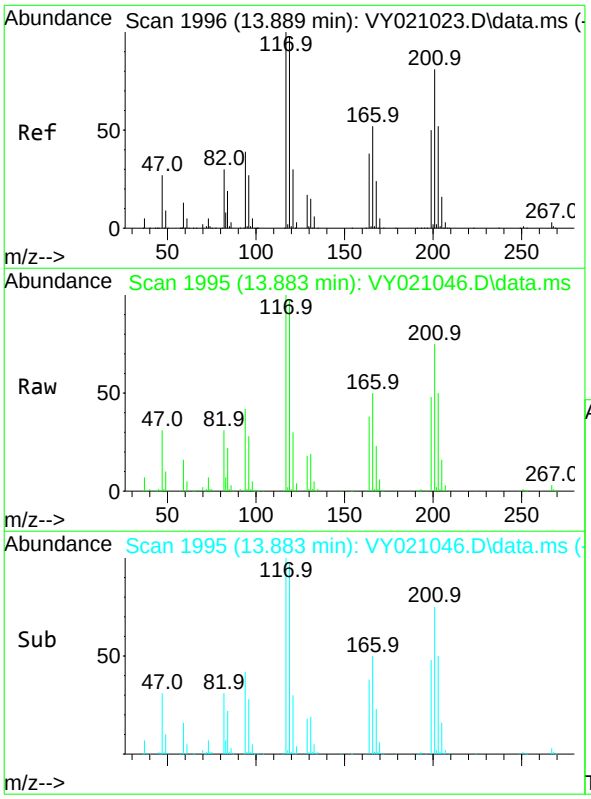
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	25.9	12.3	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

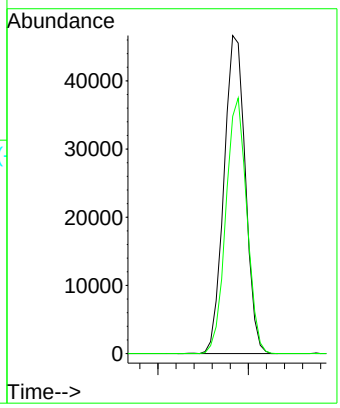


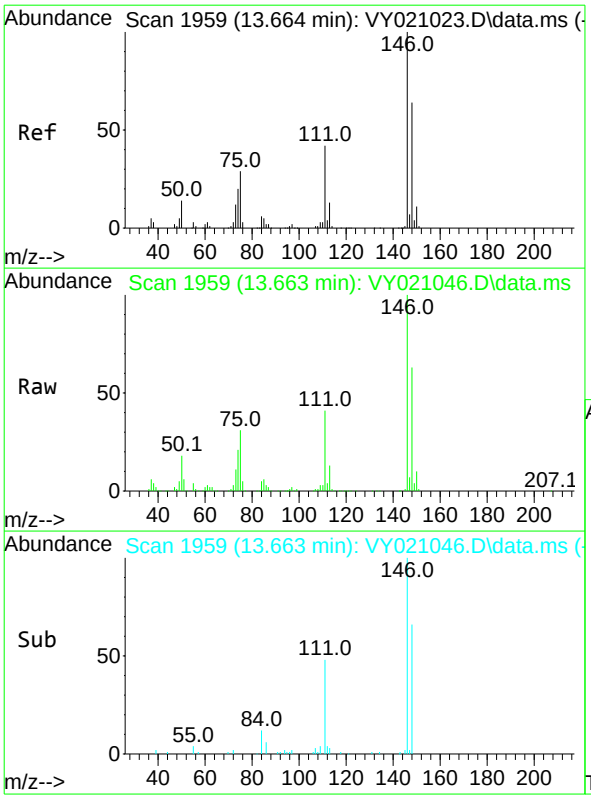


#90
Hexachloroethane
Concen: 52.092 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.007 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:117 Resp: 76651

Ion	Ratio	Lower	Upper
117	100		
201	78.6	33.4	100.1

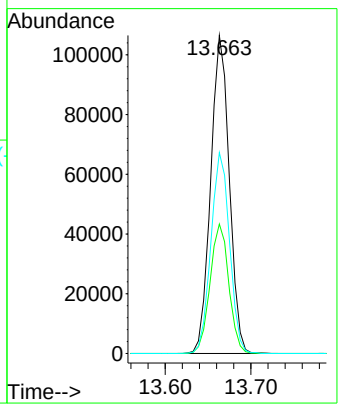




#91
1,2-Dichlorobenzene
Concen: 51.907 ug/l
RT: 13.663 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:146 Resp: 160683

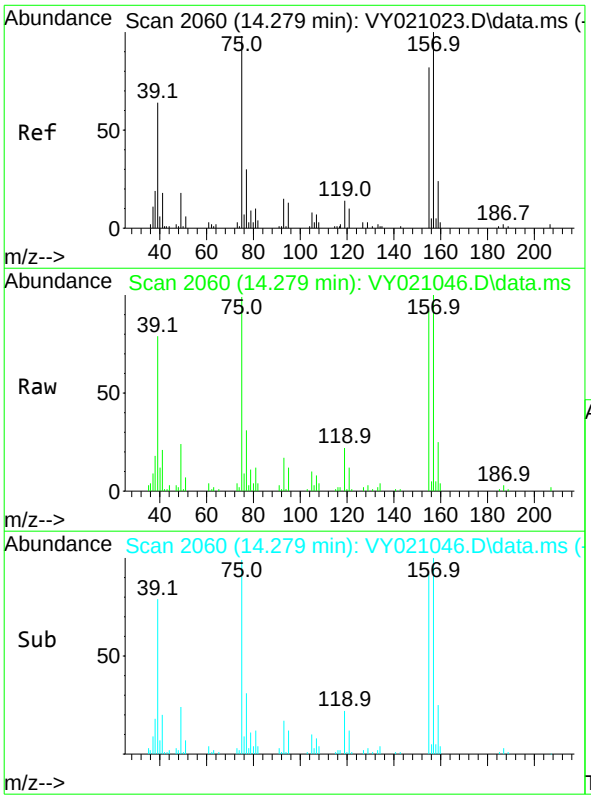
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.6
148	63.4	31.4	94.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

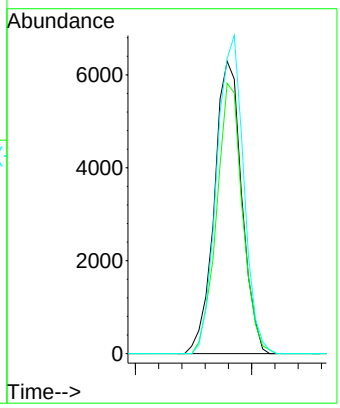
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

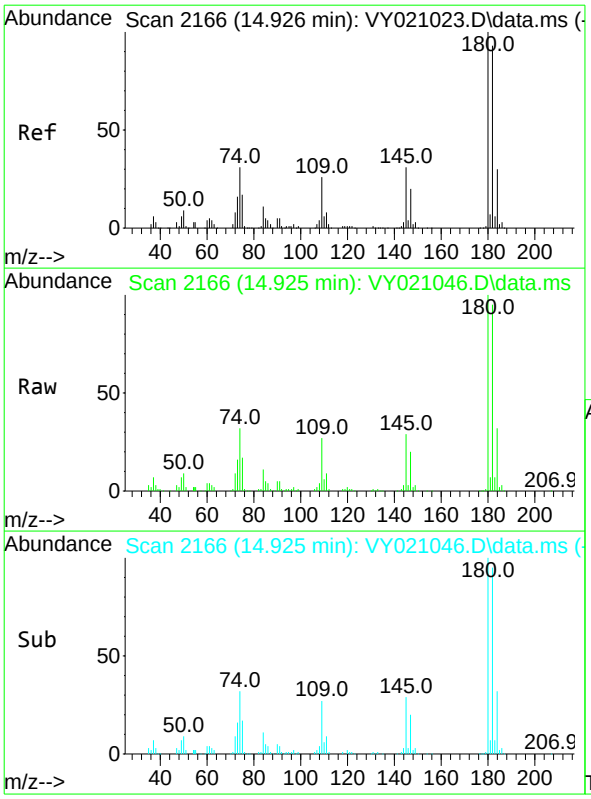


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.897 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion: 75 Resp: 10324

Ion	Ratio	Lower	Upper
75	100		
155	87.0	42.1	126.3
157	106.6	55.8	167.4

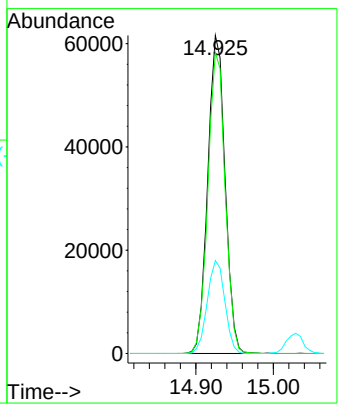




#93
1,2,4-Trichlorobenzene
Concen: 55.414 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:180 Resp: 95483

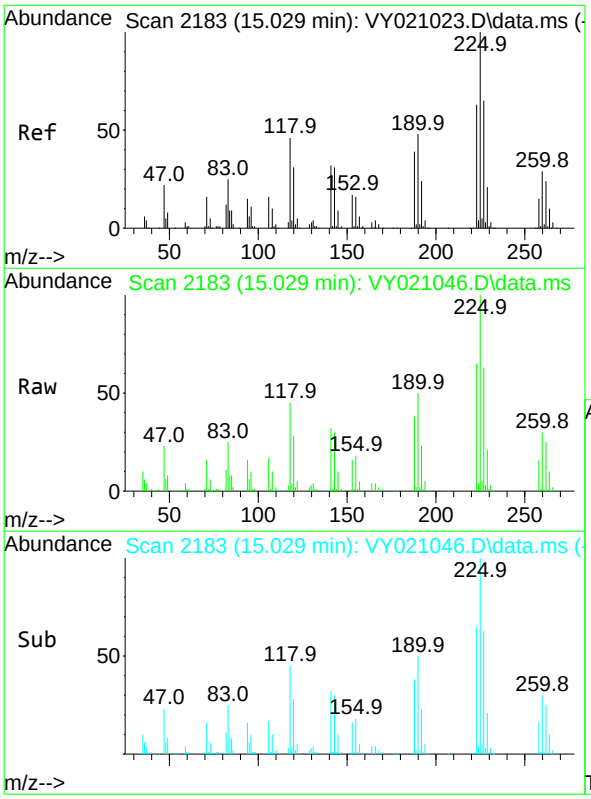
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.7
145	29.7	15.9	47.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

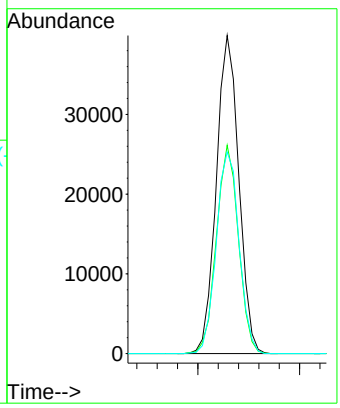
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

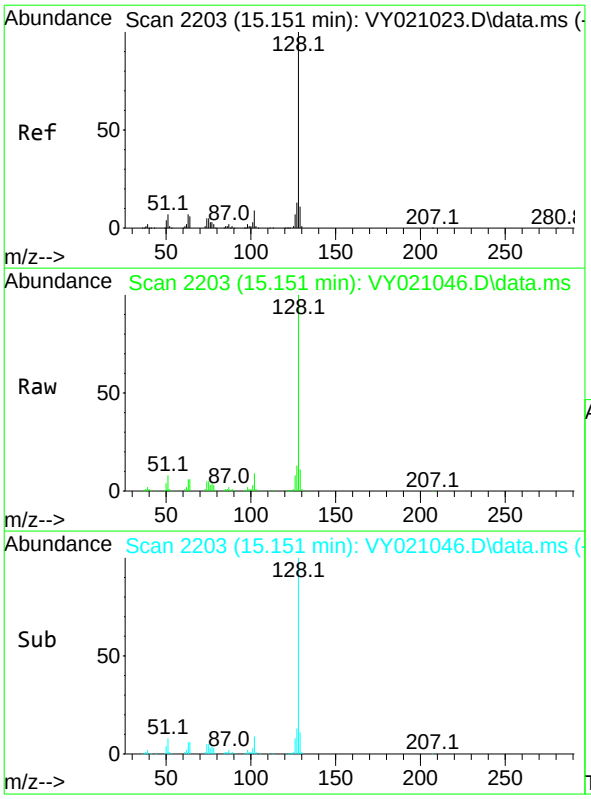


#94
Hexachlorobutadiene
Concen: 53.663 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:225 Resp: 61275

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.4	94.3
227	64.2	32.3	96.8





#95
Naphthalene
Concen: 56.026 ug/l
RT: 15.151 min Scan# 22
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

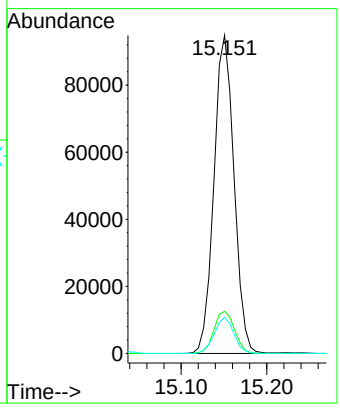
Tgt Ion:128 Resp: 154449

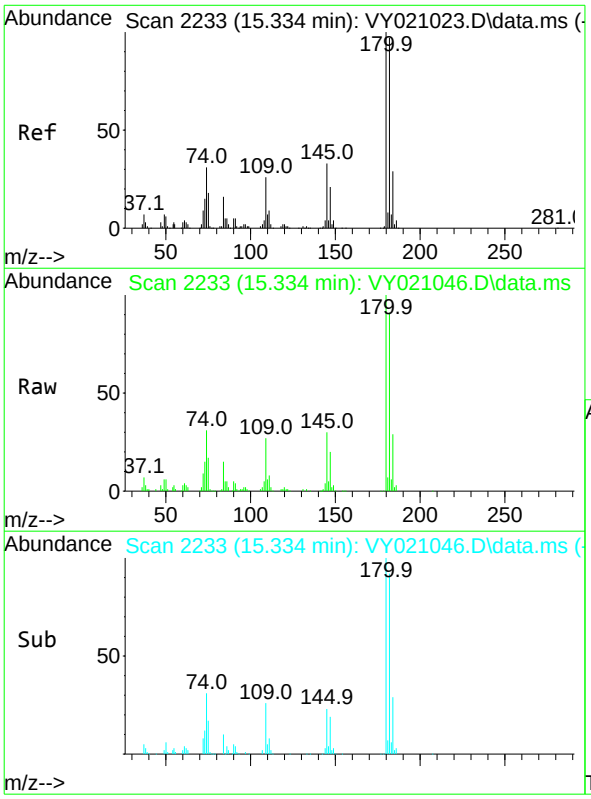
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	11.0	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

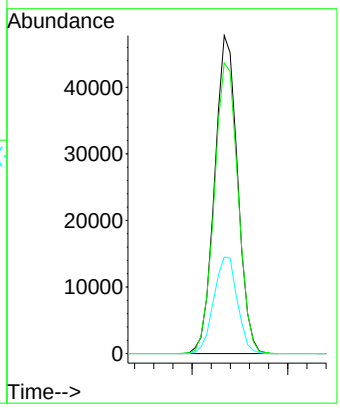




#96
1,2,3-Trichlorobenzene
Concen: 55.491 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021046.D
Acq: 04 Feb 2025 09:47

Tgt Ion:180 Resp: 79572

Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.3	138.8
145	31.1	16.1	48.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021046.D
Acq On : 04 Feb 2025 09:47
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 05 00:42:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	83	0.00
2	T	Dichlorodifluoromethane	0.446	0.470	-5.4	88	0.00
3	P	Chloromethane	0.440	0.443	-0.7	88	0.00
4	C	Vinyl Chloride	0.443	0.443	0.0	87	0.00
5	T	Bromomethane	0.274	0.270	1.5	87	0.00
6	T	Chloroethane	0.263	0.263	0.0	86	0.00
7	T	Trichlorofluoromethane	0.806	0.812	-0.7	86	0.00
8	T	Diethyl Ether	0.252	0.257	-2.0	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.506	0.522	-3.2	88	0.00
10	T	Methyl Iodide	0.562	0.591	-5.2	84	0.00
11	T	Tert butyl alcohol	0.035	0.035	0.0	91	-0.01
12	CM	1,1-Dichloroethene	0.477	0.489	-2.5#	87	0.00
13	T	Acrolein	0.053	0.052	1.9	82	0.00
14	T	Allyl chloride	0.803	0.854	-6.4	89	0.00
15	T	Acrylonitrile	0.105	0.113	-7.6	89	0.00
16	T	Acetone	0.080	0.085	-6.3	92	0.00
17	T	Carbon Disulfide	1.495	1.571	-5.1	89	0.00
18	T	Methyl Acetate	0.280	0.312	-11.4	90	0.00
19	T	Methyl tert-butyl Ether	1.205	1.270	-5.4	87	0.00
20	T	Methylene Chloride	0.497	0.513	-3.2	88	0.00
21	T	trans-1,2-Dichloroethene	0.525	0.550	-4.8	88	0.00
22	T	Diisopropyl ether	1.656	1.799	-8.6	90	0.00
23	T	Vinyl Acetate	0.923	1.011	-9.5	89	0.00
24	P	1,1-Dichloroethane	0.970	1.014	-4.5	89	0.00
25	T	2-Butanone	0.131	0.143	-9.2	88	0.00
26	T	2,2-Dichloropropane	0.898	0.933	-3.9	89	0.00
27	T	cis-1,2-Dichloroethene	0.604	0.639	-5.8	89	0.00
28	T	Bromochloromethane	0.384	0.407	-6.0	82	0.00
29	T	Tetrahydrofuran	0.089	0.099	-11.2	90	0.00
30	C	Chloroform	0.997	1.045	-4.8#	89	0.00
31	T	Cyclohexane	0.874	0.883	-1.0	89	0.00
32	T	1,1,1-Trichloroethane	0.927	0.969	-4.5	89	0.00
33	S	1,2-Dichloroethane-d4	0.512	0.534	-4.3	88	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
35	S	Dibromofluoromethane	0.320	0.343	-7.2	89	0.00
36	T	1,1-Dichloropropene	0.475	0.509	-7.2	90	0.00
37	T	Ethyl Acetate	0.208	0.234	-12.5	91	0.00
38	T	Carbon Tetrachloride	0.555	0.591	-6.5	88	0.00
39	T	Methylcyclohexane	0.581	0.623	-7.2	87	0.00
40	TM	Benzene	1.393	1.501	-7.8	89	0.00
41	T	Methacrylonitrile	0.120	0.109	9.2	80	0.00
42	TM	1,2-Dichloroethane	0.386	0.414	-7.3	89	0.00
43	T	Isopropyl Acetate	0.414	0.460	-11.1	89	0.00
44	TM	Trichloroethene	0.360	0.380	-5.6	89	0.00
45	C	1,2-Dichloropropane	0.331	0.357	-7.9#	89	0.00
46	T	Dibromomethane	0.183	0.197	-7.7	89	0.00
47	T	Bromodichloromethane	0.491	0.518	-5.5	88	0.00
48	T	Methyl methacrylate	0.188	0.214	-13.8	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021046.D
Acq On : 04 Feb 2025 09:47
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 05 00:42:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	91	0.00
50	S	Toluene-d8	1.220	1.329	-8.9	90	0.00
51	T	4-Methyl-2-Pentanone	0.208	0.238	-14.4	90	0.00
52	CM	Toluene	0.875	0.954	-9.0#	89	0.00
53	T	t-1,3-Dichloropropene	0.441	0.486	-10.2	89	0.00
54	T	cis-1,3-Dichloropropene	0.522	0.569	-9.0	89	0.00
55	T	1,1,2-Trichloroethane	0.237	0.253	-6.8	88	0.00
56	T	Ethyl methacrylate	0.317	0.359	-13.2	87	0.00
57	T	1,3-Dichloropropane	0.410	0.454	-10.7	90	0.00
58	T	2-Chloroethyl Vinyl ether	0.151	0.139	7.9	73	0.00
59	T	2-Hexanone	0.134	0.157	-17.2	90	0.00
60	T	Dibromochloromethane	0.333	0.359	-7.8	89	0.00
61	T	1,2-Dibromoethane	0.222	0.240	-8.1	87	0.00
62	S	4-Bromofluorobenzene	0.399	0.446	-11.8	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00
64	T	Tetrachloroethene	0.371	0.387	-4.3	89	0.00
65	PM	Chlorobenzene	1.113	1.159	-4.1	89	0.00
66	T	1,1,1,2-Tetrachloroethane	0.396	0.412	-4.0	89	0.00
67	C	Ethyl Benzene	1.969	2.119	-7.6#	90	0.00
68	T	m/p-Xylenes	0.737	0.793	-7.6	89	0.00
69	T	o-Xylene	0.687	0.747	-8.7	91	0.00
70	T	Styrene	1.145	1.261	-10.1	90	0.00
71	P	Bromoform	0.220	0.240	-9.1	92	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
73	T	Isopropylbenzene	3.906	4.053	-3.8	90	0.00
74	T	N-amyl acetate	0.854	0.935	-9.5	89	0.00
75	P	1,1,2,2-Tetrachloroethane	0.650	0.677	-4.2	91	0.00
76	T	1,2,3-Trichloropropane	0.454	0.465	-2.4	85	0.00
77	T	Bromobenzene	0.901	0.925	-2.7	91	0.00
78	T	n-propylbenzene	4.653	4.912	-5.6	91	0.00
79	T	2-Chlorotoluene	2.665	2.767	-3.8	91	0.00
80	T	1,3,5-Trimethylbenzene	3.167	3.356	-6.0	91	0.00
81	T	trans-1,4-Dichloro-2-butene	0.222	0.226	-1.8	86	0.00
82	T	4-Chlorotoluene	2.715	2.841	-4.6	92	0.00
83	T	tert-Butylbenzene	2.878	3.051	-6.0	90	0.00
84	T	1,2,4-Trimethylbenzene	3.096	3.312	-7.0	92	0.00
85	T	sec-Butylbenzene	4.143	4.382	-5.8	92	0.00
86	T	p-Isopropyltoluene	3.442	3.683	-7.0	91	0.00
87	T	1,3-Dichlorobenzene	1.740	1.821	-4.7	92	0.00
88	T	1,4-Dichlorobenzene	1.714	1.787	-4.3	91	0.00
89	T	n-Butylbenzene	3.140	3.440	-9.6	92	0.00
90	T	Hexachloroethane	0.718	0.748	-4.2	91	0.00
91	T	1,2-Dichlorobenzene	1.510	1.568	-3.8	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.097	0.101	-4.1	88	0.00
93	T	1,2,4-Trichlorobenzene	0.841	0.932	-10.8	90	0.00
94	T	Hexachlorobutadiene	0.557	0.598	-7.4	91	0.00
95	T	Naphthalene	1.345	1.507	-12.0	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021046.D
Acq On : 04 Feb 2025 09:47
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 05 00:42:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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	0.700	0.777	-11.0	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021046.D
Acq On : 04 Feb 2025 09:47
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 05 00:42:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	83	0.00
2	T	Dichlorodifluoromethane	50.000	52.714	-5.4	88	0.00
3	P	Chloromethane	50.000	50.330	-0.7	88	0.00
4	C	Vinyl Chloride	50.000	50.061	-0.1#	87	0.00
5	T	Bromomethane	50.000	49.347	1.3	87	0.00
6	T	Chloroethane	50.000	49.935	0.1	86	0.00
7	T	Trichlorofluoromethane	50.000	50.372	-0.7	86	0.00
8	T	Diethyl Ether	50.000	51.084	-2.2	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.550	-3.1	88	0.00
10	T	Methyl Iodide	50.000	52.519	-5.0	84	0.00
11	T	Tert butyl alcohol	250.000	252.187	-0.9	91	-0.01
12	CM	1,1-Dichloroethene	50.000	51.266	-2.5#	87	0.00
13	T	Acrolein	250.000	242.367	3.1	82	0.00
14	T	Allyl chloride	50.000	53.165	-6.3	89	0.00
15	T	Acrylonitrile	250.000	270.313	-8.1	89	0.00
16	T	Acetone	250.000	267.440	-7.0	92	0.00
17	T	Carbon Disulfide	50.000	52.559	-5.1	89	0.00
18	T	Methyl Acetate	50.000	55.562	-11.1	90	0.00
19	T	Methyl tert-butyl Ether	50.000	52.689	-5.4	87	0.00
20	T	Methylene Chloride	50.000	51.630	-3.3	88	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.369	-4.7	88	0.00
22	T	Diisopropyl ether	50.000	54.300	-8.6	90	0.00
23	T	Vinyl Acetate	250.000	273.844	-9.5	89	0.00
24	P	1,1-Dichloroethane	50.000	52.245	-4.5	89	0.00
25	T	2-Butanone	250.000	272.159	-8.9	88	0.00
26	T	2,2-Dichloropropane	50.000	51.967	-3.9	89	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.870	-5.7	89	0.00
28	T	Bromochloromethane	50.000	52.992	-6.0	82	0.00
29	T	Tetrahydrofuran	250.000	277.873	-11.1	90	0.00
30	C	Chloroform	50.000	52.406	-4.8#	89	0.00
31	T	Cyclohexane	50.000	50.543	-1.1	89	0.00
32	T	1,1,1-Trichloroethane	50.000	52.284	-4.6	89	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.095	-4.2	88	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	82	0.00
35	S	Dibromofluoromethane	50.000	53.452	-6.9	89	0.00
36	T	1,1-Dichloropropene	50.000	53.591	-7.2	90	0.00
37	T	Ethyl Acetate	50.000	56.091	-12.2	91	0.00
38	T	Carbon Tetrachloride	50.000	53.307	-6.6	88	0.00
39	T	Methylcyclohexane	50.000	53.677	-7.4	87	0.00
40	TM	Benzene	50.000	53.888	-7.8	89	0.00
41	T	Methacrylonitrile	50.000	45.147	9.7	80	0.00
42	TM	1,2-Dichloroethane	50.000	53.521	-7.0	89	0.00
43	T	Isopropyl Acetate	50.000	55.633	-11.3	89	0.00
44	TM	Trichloroethene	50.000	52.820	-5.6	89	0.00
45	C	1,2-Dichloropropane	50.000	53.991	-8.0#	89	0.00
46	T	Dibromomethane	50.000	53.884	-7.8	89	0.00
47	T	Bromodichloromethane	50.000	52.810	-5.6	88	0.00
48	T	Methyl methacrylate	50.000	56.838	-13.7	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021046.D
Acq On : 04 Feb 2025 09:47
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 05 00:42:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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	1150.358	-15.0	91	0.00
50	S	Toluene-d8	50.000	54.470	-8.9	90	0.00
51	T	4-Methyl-2-Pentanone	250.000	285.788	-14.3	90	0.00
52	CM	Toluene	50.000	54.566	-9.1#	89	0.00
53	T	t-1,3-Dichloropropene	50.000	55.115	-10.2	89	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.522	-9.0	89	0.00
55	T	1,1,2-Trichloroethane	50.000	53.417	-6.8	88	0.00
56	T	Ethyl methacrylate	50.000	56.536	-13.1	87	0.00
57	T	1,3-Dichloropropane	50.000	55.271	-10.5	90	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	230.818	7.7	73	0.00
59	T	2-Hexanone	250.000	293.528	-17.4	90	0.00
60	T	Dibromochloromethane	50.000	53.995	-8.0	89	0.00
61	T	1,2-Dibromoethane	50.000	54.075	-8.2	87	0.00
62	S	4-Bromofluorobenzene	50.000	55.893	-11.8	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	83	0.00
64	T	Tetrachloroethene	50.000	52.134	-4.3	89	0.00
65	PM	Chlorobenzene	50.000	52.034	-4.1	89	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.124	-4.2	89	0.00
67	C	Ethyl Benzene	50.000	53.795	-7.6#	90	0.00
68	T	m/p-Xylenes	100.000	107.665	-7.7	89	0.00
69	T	o-Xylene	50.000	54.388	-8.8	91	0.00
70	T	Styrene	50.000	55.088	-10.2	90	0.00
71	P	Bromoform	50.000	54.488	-9.0	92	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	85	0.00
73	T	Isopropylbenzene	50.000	51.892	-3.8	90	0.00
74	T	N-amyl acetate	50.000	54.756	-9.5	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.140	-4.3	91	0.00
76	T	1,2,3-Trichloropropane	50.000	51.213	-2.4	85	0.00
77	T	Bromobenzene	50.000	51.330	-2.7	91	0.00
78	T	n-propylbenzene	50.000	52.792	-5.6	91	0.00
79	T	2-Chlorotoluene	50.000	51.924	-3.8	91	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.986	-6.0	91	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.860	-1.7	86	0.00
82	T	4-Chlorotoluene	50.000	52.316	-4.6	92	0.00
83	T	tert-Butylbenzene	50.000	52.997	-6.0	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.490	-7.0	92	0.00
85	T	sec-Butylbenzene	50.000	52.886	-5.8	92	0.00
86	T	p-Isopropyltoluene	50.000	53.511	-7.0	91	0.00
87	T	1,3-Dichlorobenzene	50.000	52.317	-4.6	92	0.00
88	T	1,4-Dichlorobenzene	50.000	52.145	-4.3	91	0.00
89	T	n-Butylbenzene	50.000	54.781	-9.6	92	0.00
90	T	Hexachloroethane	50.000	52.092	-4.2	91	0.00
91	T	1,2-Dichlorobenzene	50.000	51.907	-3.8	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.897	-3.8	88	0.00
93	T	1,2,4-Trichlorobenzene	50.000	55.414	-10.8	90	0.00
94	T	Hexachlorobutadiene	50.000	53.663	-7.3	91	0.00
95	T	Naphthalene	50.000	56.026	-12.1	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021046.D
Acq On : 04 Feb 2025 09:47
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 05 00:42:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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	55.491	-11.0	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: MSVOA_Y Calibration Date/Time: 02/05/2025 09:16

Lab File ID: VY021074.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.446	0.476		6.73	20
Chloromethane	0.440	0.457	0.1	3.86	20
Vinyl Chloride	0.443	0.467		5.42	20
Bromomethane	0.274	0.279		1.83	20
Chloroethane	0.263	0.275		4.56	20
Trichlorofluoromethane	0.806	0.838		3.97	20
1,1,2-Trichlorotrifluoroethane	0.506	0.521		2.96	20
Tert butyl alcohol	0.035	0.027		-22.86	20
1,1-Dichloroethene	0.477	0.487		2.1	20
Acetone	0.080	0.080		0	20
Carbon Disulfide	1.495	1.554		3.95	20
Methyl tert-butyl Ether	1.205	1.130		-6.22	20
Methyl Acetate	0.280	0.268		-4.29	20
Methylene Chloride	0.497	0.491		-1.21	20
trans-1,2-Dichloroethene	0.525	0.539		2.67	20
1,1-Dichloroethane	0.970	0.985	0.1	1.55	20
Cyclohexane	0.874	0.877		0.34	20
2-Butanone	0.131	0.126		-3.82	20
Carbon Tetrachloride	0.555	0.585		5.41	20
cis-1,2-Dichloroethene	0.604	0.608		0.66	20
Bromochloromethane	0.384	0.428		11.46	20
Chloroform	0.997	1.005		0.8	20
1,1,1-Trichloroethane	0.927	0.955		3.02	20
Methylcyclohexane	0.581	0.631		8.61	20
Benzene	1.393	1.446		3.81	20
1,2-Dichloroethane	0.386	0.383		-0.78	20
Trichloroethene	0.360	0.370		2.78	20
1,2-Dichloropropane	0.331	0.342		3.32	20
Bromodichloromethane	0.491	0.498		1.43	20
4-Methyl-2-Pentanone	0.208	0.201		-3.37	20
Toluene	0.875	0.917		4.8	20
t-1,3-Dichloropropene	0.441	0.445		0.91	20
cis-1,3-Dichloropropene	0.522	0.531		1.72	20
1,1,2-Trichloroethane	0.237	0.234		-1.27	20
2-Hexanone	0.134	0.129		-3.73	20
Dibromochloromethane	0.333	0.329		-1.2	20
1,2-Dibromoethane	0.222	0.215		-3.15	20
Tetrachloroethene	0.371	0.385		3.77	20

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

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: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: MSVOA_Y Calibration Date/Time: 02/05/2025 09:16

Lab File ID: VY021074.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.113	1.125	0.3	1.08	20
Ethyl Benzene	1.969	2.068		5.03	20
m/p-Xylenes	0.737	0.781		5.97	20
o-Xylene	0.687	0.717		4.37	20
Styrene	1.145	1.202		4.98	20
Bromoform	0.220	0.215	0.1	-2.27	20
Isopropylbenzene	3.906	4.182		7.07	20
1,1,2,2-Tetrachloroethane	0.650	0.624	0.3	-4	20
1,3-Dichlorobenzene	1.740	1.786		2.64	20
1,4-Dichlorobenzene	1.714	1.736		1.28	20
1,2-Dichlorobenzene	1.510	1.493		-1.13	20
1,2-Dibromo-3-Chloropropane	0.097	0.087		-10.31	20
1,2,4-Trichlorobenzene	0.841	0.821		-2.38	20
1,2,3-Trichlorobenzene	0.700	0.660		-5.71	20
1,2-Dichloroethane-d4	0.512	0.543		6.05	20
Dibromofluoromethane	0.320	0.344		7.5	20
Toluene-d8	1.220	1.368		12.13	20
4-Bromofluorobenzene	0.399	0.435		9.02	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\VY020525\
Data File : VY021074.D
Acq On : 05 Feb 2025 09:16
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 06 00:24:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.725	168	142538	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	216303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	187147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	88650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	77386	52.989	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.980%			
35) Dibromofluoromethane	7.646	113	74512	53.752	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.500%			
50) Toluene-d8	10.115	98	295914	56.072	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.140%			
62) 4-Bromofluorobenzene	12.420	95	94025	54.536	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	67791	53.361	ug/l	98
3) Chloromethane	2.080	50	65209	52.017	ug/l	100
4) Vinyl Chloride	2.214	62	66621	52.798	ug/l	99
5) Bromomethane	2.610	94	39785	51.015	ug/l	98
6) Chloroethane	2.751	64	39220	52.215	ug/l	100
7) Trichlorofluoromethane	3.074	101	119512	51.989	ug/l	99
8) Diethyl Ether	3.470	74	33640	46.877	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.836	101	74323	51.515	ug/l	95
10) Methyl Iodide	4.025	142	80273	50.081	ug/l	93
11) Tert butyl alcohol	4.878	59	18913	191.106	ug/l	96
12) 1,1-Dichloroethene	3.811	96	69461	51.109	ug/l	94
13) Acrolein	3.665	56	29501	193.581	ug/l	96
14) Allyl chloride	4.403	41	118247	51.625	ug/l	94
15) Acrylonitrile	5.080	53	70728	236.680	ug/l	99
16) Acetone	3.885	43	56925	249.947	ug/l	96
17) Carbon Disulfide	4.128	76	221531	51.982	ug/l	99
18) Methyl Acetate	4.403	43	38210	47.793	ug/l	97
19) Methyl tert-butyl Ether	5.134	73	161011	46.872	ug/l	98
20) Methylene Chloride	4.641	84	70002	49.443	ug/l	94
21) trans-1,2-Dichloroethene	5.134	96	76859	51.377	ug/l	92
22) Diisopropyl ether	6.037	45	243778	51.635	ug/l	97
23) Vinyl Acetate	5.976	43	658944	250.368	ug/l	98
24) 1,1-Dichloroethane	5.933	63	140379	50.750	ug/l	98
25) 2-Butanone	6.908	43	89638	239.512	ug/l	99
26) 2,2-Dichloropropane	6.896	77	132125	51.623	ug/l	97
27) cis-1,2-Dichloroethene	6.908	96	86701	50.351	ug/l	93
28) Bromochloromethane	7.262	49	60973	55.745	ug/l	99
29) Tetrahydrofuran	7.274	42	59276	234.067	ug/l	96
30) Chloroform	7.439	83	143244	50.416	ug/l	99
31) Cyclohexane	7.713	56	124978	50.173	ug/l	99
32) 1,1,1-Trichloroethane	7.634	97	136174	51.551	ug/l	99
36) 1,1-Dichloropropene	7.847	75	106633	51.934	ug/l	98
37) Ethyl Acetate	7.000	43	42858	47.581	ug/l #	97
38) Carbon Tetrachloride	7.835	117	126635	52.784	ug/l	97
39) Methylcyclohexane	9.121	83	136415	54.317	ug/l	97
40) Benzene	8.091	78	312752	51.905	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021074.D
Acq On : 05 Feb 2025 09:16
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 06 00:24:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	27638m	53.037	ug/l		
42) 1,2-Dichloroethane	8.170	62	82833	49.557	ug/l		97
43) Isopropyl Acetate	8.207	43	85476	47.758	ug/l		98
44) Trichloroethene	8.878	130	79974	51.373	ug/l		95
45) 1,2-Dichloropropane	9.152	63	73894	51.669	ug/l		97
46) Dibromomethane	9.243	93	39073	49.344	ug/l		97
47) Bromodichloromethane	9.432	83	107714	50.721	ug/l		96
48) Methyl methacrylate	9.231	41	41509	50.915	ug/l		92
49) 1,4-Dioxane	9.243	88	7138	968.327	ug/l		98
51) 4-Methyl-2-Pentanone	10.005	43	217703	241.887	ug/l		95
52) Toluene	10.182	92	198421	52.445	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	96191	50.444	ug/l		98
54) cis-1,3-Dichloropropene	9.865	75	114954	50.914	ug/l	#	90
55) 1,1,2-Trichloroethane	10.585	97	50685	49.430	ug/l		97
56) Ethyl methacrylate	10.451	69	66990	48.836	ug/l		91
57) 1,3-Dichloropropane	10.731	76	87603	49.359	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	158797	243.329	ug/l		99
59) 2-Hexanone	10.774	43	139543	240.804	ug/l		96
60) Dibromochloromethane	10.920	129	71209	49.451	ug/l		98
61) 1,2-Dibromoethane	11.024	107	46590	48.508	ug/l		99
64) Tetrachloroethene	10.658	164	72004	51.828	ug/l		96
65) Chlorobenzene	11.450	112	210499	50.514	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.530	131	74521	50.322	ug/l		98
67) Ethyl Benzene	11.530	91	386948	52.499	ug/l		97
68) m/p-Xylenes	11.639	106	292165	105.959	ug/l		99
69) o-Xylene	11.969	106	134276	52.233	ug/l		99
70) Styrene	11.981	104	225039	52.522	ug/l		98
71) Bromoform	12.145	173	40318	48.912	ug/l	#	99
73) Isopropylbenzene	12.267	105	370718	53.535	ug/l		99
74) N-amyl acetate	12.078	43	72960	48.191	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.517	83	55283	48.002	ug/l		99
76) 1,2,3-Trichloropropane	12.566	75	38471m	47.840	ug/l		
77) Bromobenzene	12.542	156	80496	50.373	ug/l		93
78) n-propylbenzene	12.609	91	445428	53.997	ug/l		99
79) 2-Chlorotoluene	12.688	91	243682	51.577	ug/l		100
80) 1,3,5-Trimethylbenzene	12.749	105	298980	53.252	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.316	75	18733	47.533	ug/l		92
82) 4-Chlorotoluene	12.792	91	253047	52.568	ug/l		99
83) tert-Butylbenzene	13.011	119	271959	53.291	ug/l		98
84) 1,2,4-Trimethylbenzene	13.054	105	292400	53.264	ug/l		100
85) sec-Butylbenzene	13.188	105	396688	54.001	ug/l		98
86) p-Isopropyltoluene	13.304	119	328413	53.819	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	158333	51.315	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	153907	50.659	ug/l		99
89) n-Butylbenzene	13.627	91	305103	54.807	ug/l		99
90) Hexachloroethane	13.895	117	67228	52.810	ug/l		86
91) 1,2-Dichlorobenzene	13.669	146	132369	49.427	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	7753	45.049	ug/l		97
93) 1,2,4-Trichlorobenzene	14.931	180	72796	48.834	ug/l		98
94) Hexachlorobutadiene	15.035	225	50850	51.475	ug/l		99
95) Naphthalene	15.157	128	112423	47.139	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	58522	47.174	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021074.D
Acq On : 05 Feb 2025 09:16
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 06 00:24:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

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

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

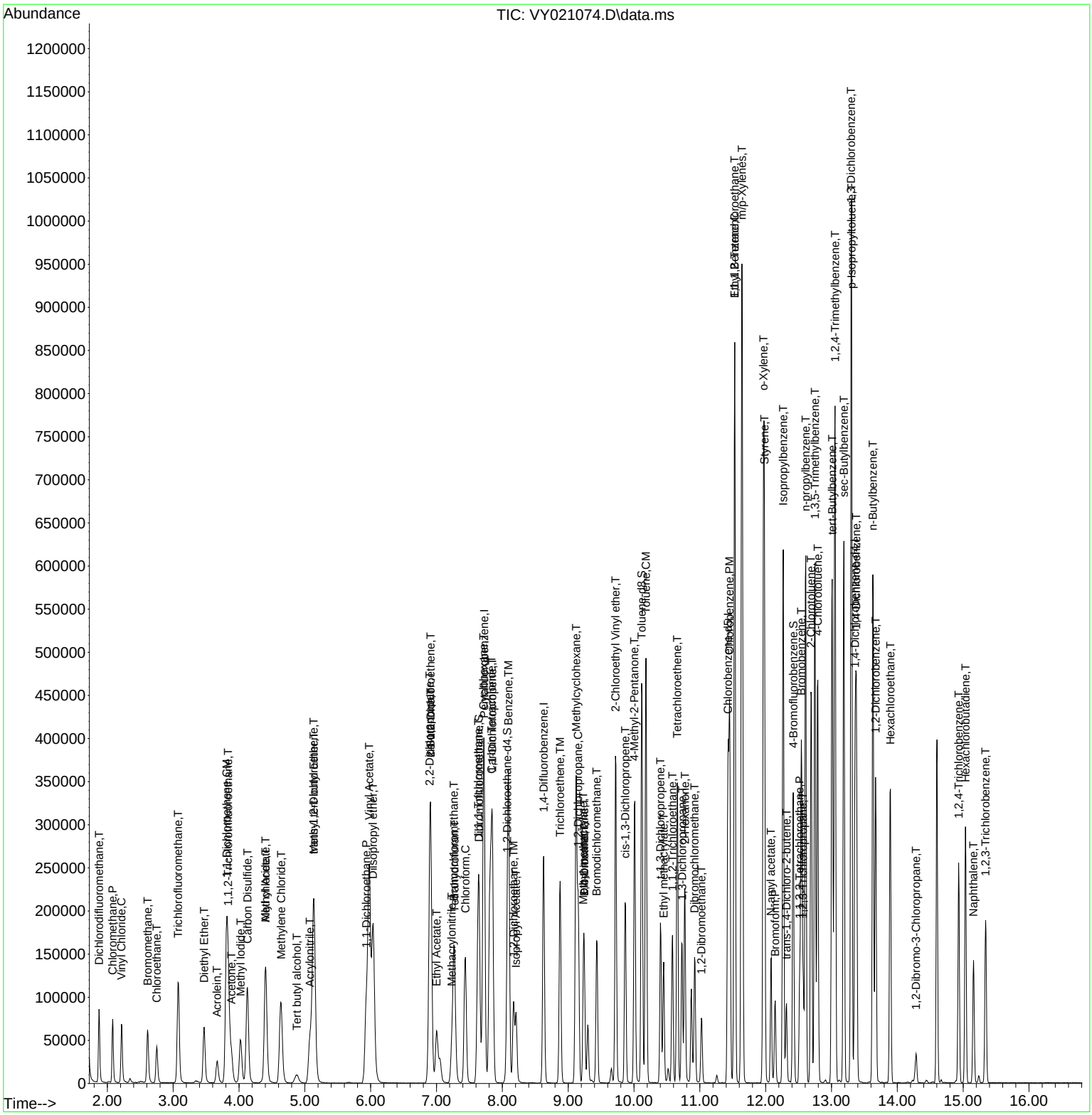
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Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

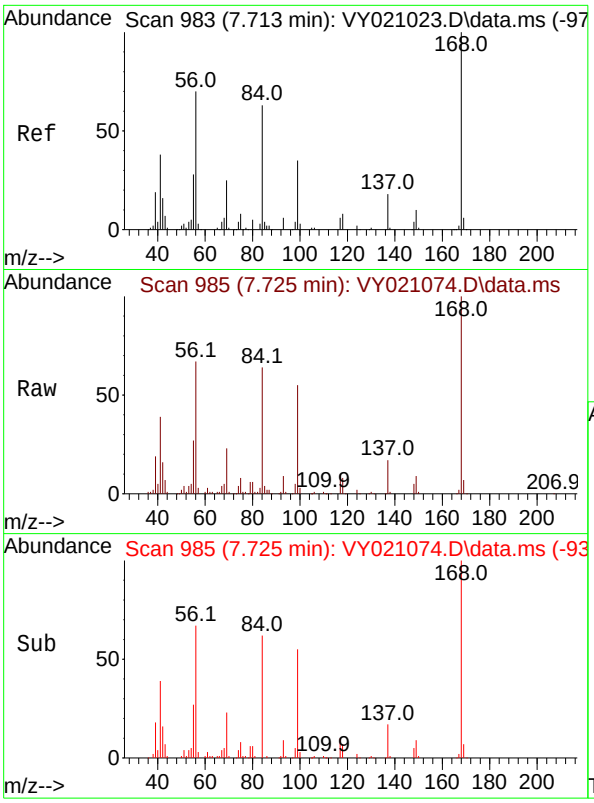
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Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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Supervised By :Mahesh Dadoda 02/06/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

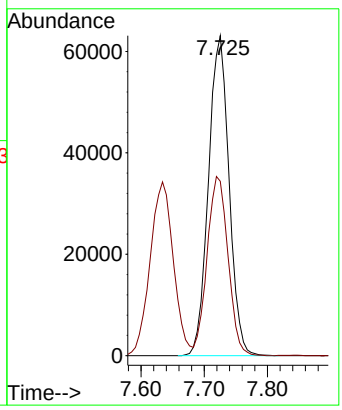
Tgt Ion:168 Resp: 14253

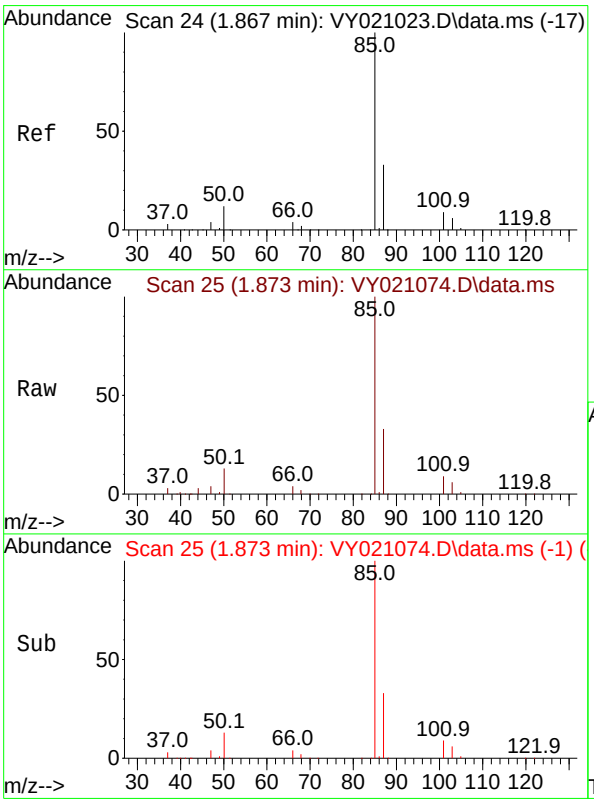
Ion	Ratio	Lower	Upper
168	100		
99	54.4	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

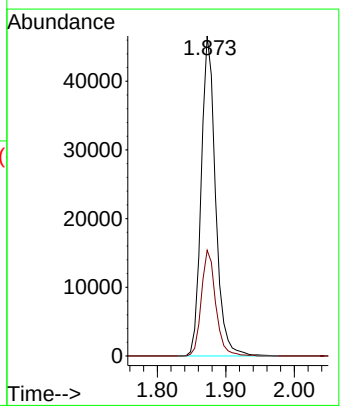


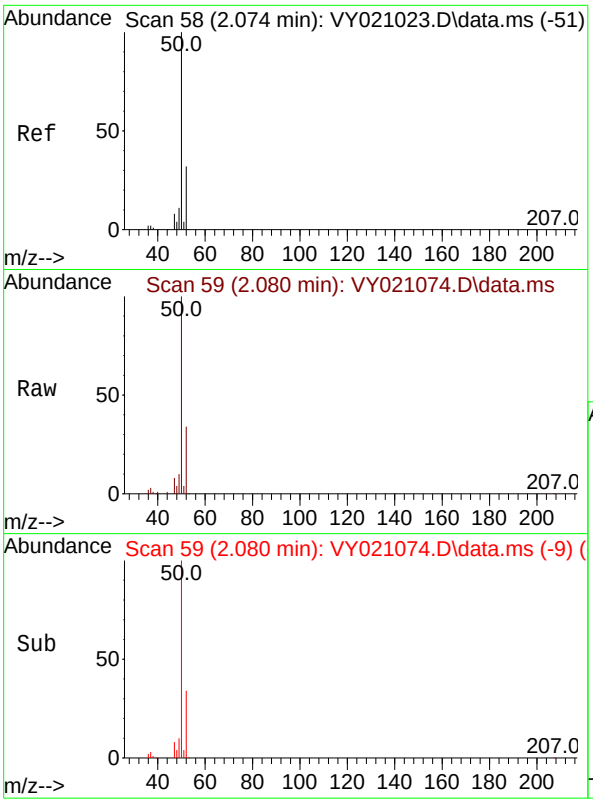


#2
Dichlorodifluoromethane
Concen: 53.361 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 85 Resp: 67791

Ion	Ratio	Lower	Upper
85	100		
87	33.1	17.1	51.3

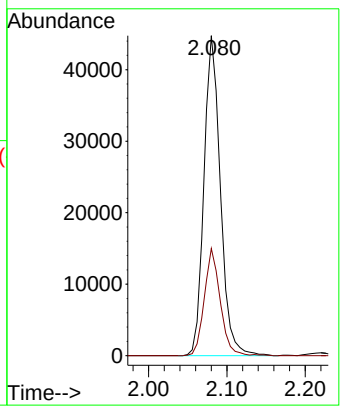




#3
Chloromethane
Concen: 52.017 ug/l
RT: 2.080 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 50 Resp: 6520

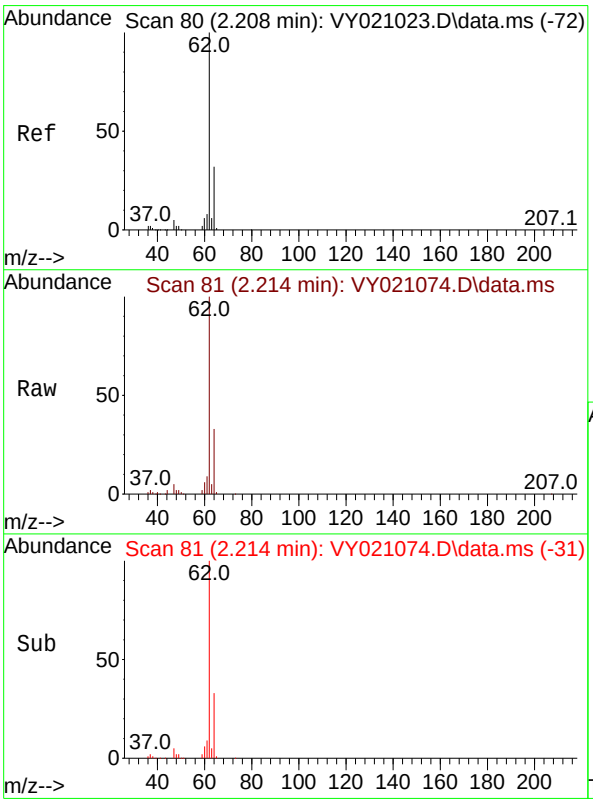
Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

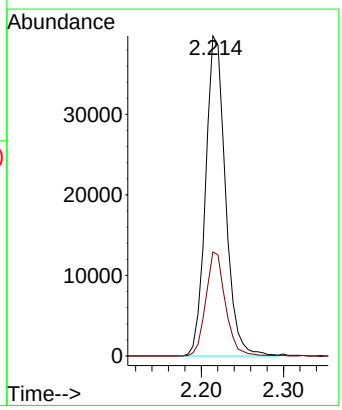
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

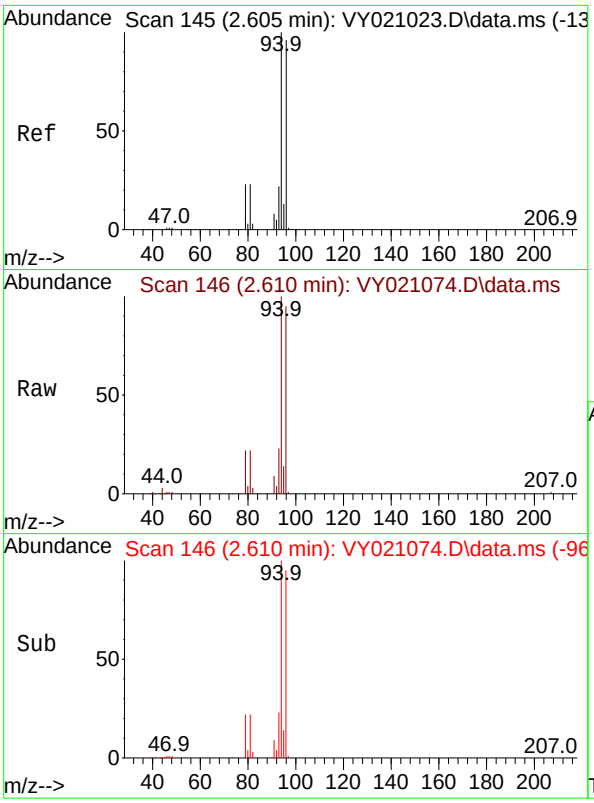


#4
Vinyl Chloride
Concen: 52.798 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 62 Resp: 66621

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.7	38.5

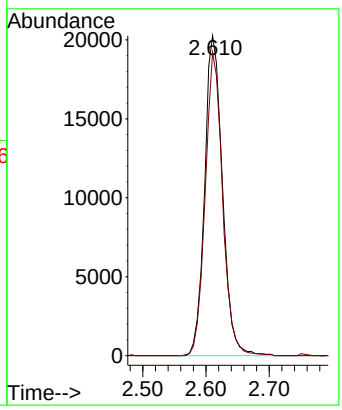




#5
Bromomethane
Concen: 51.015 ug/l
RT: 2.610 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 94 Resp: 3978

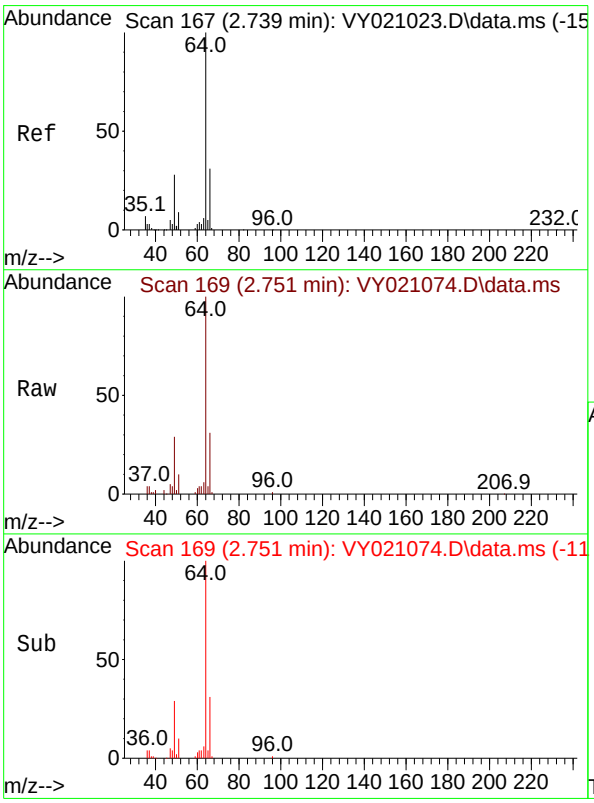
Ion	Ratio	Lower	Upper
94	100		
96	94.7	77.3	115.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

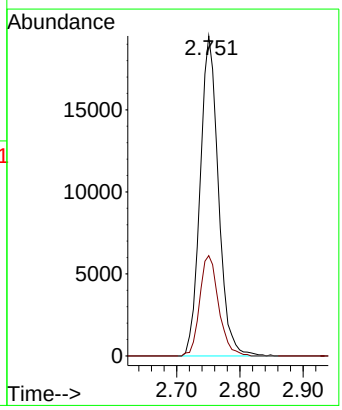
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

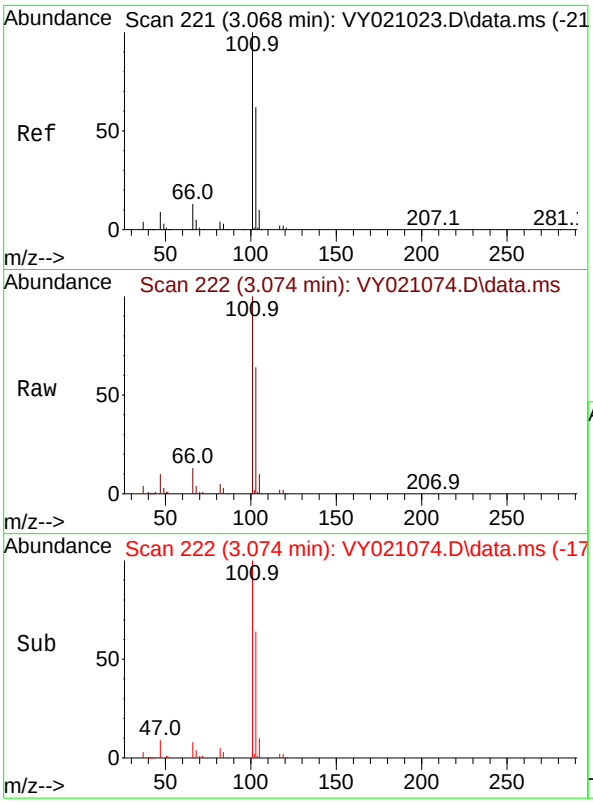


#6
Chloroethane
Concen: 52.215 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 64 Resp: 39220

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.1	37.7

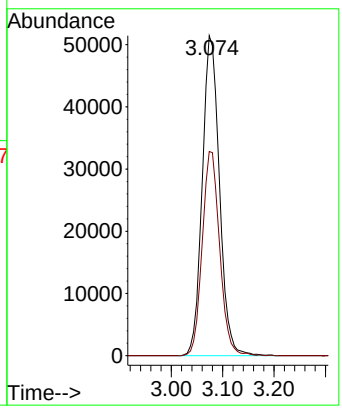




#7
Trichlorofluoromethane
Concen: 51.989 ug/l
RT: 3.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:101 Resp: 11951

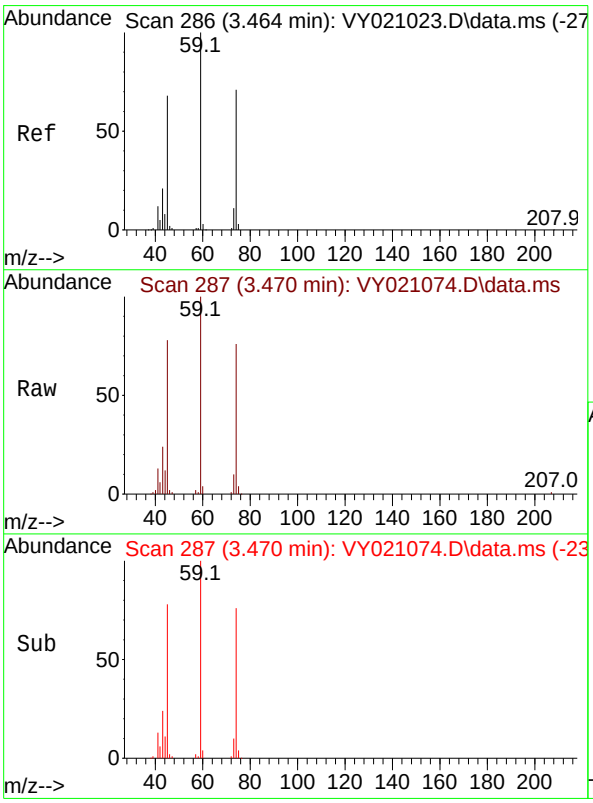
Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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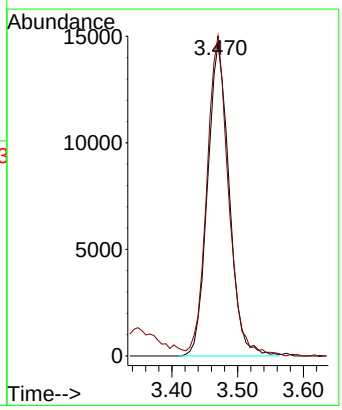
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

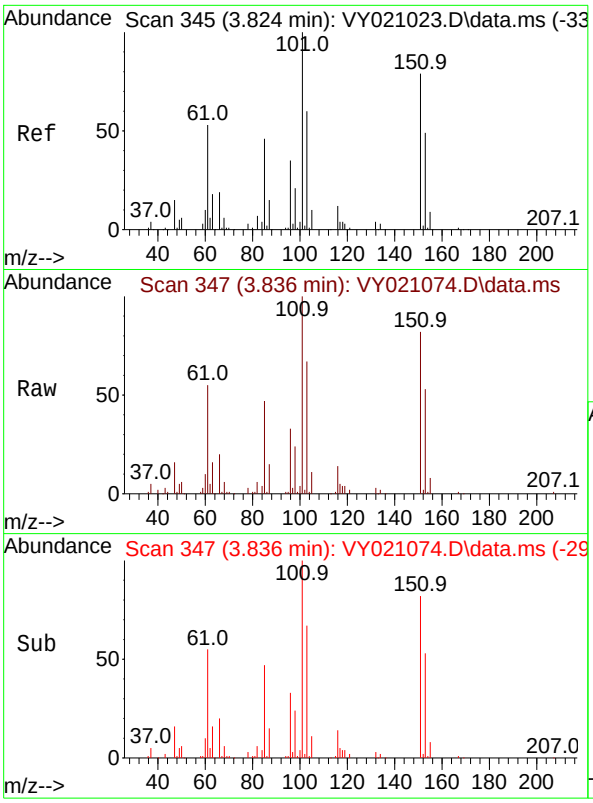


#8
Diethyl Ether
Concen: 46.877 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 74 Resp: 33640

Ion	Ratio	Lower	Upper
74	100		
45	102.7	47.9	143.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.515 ug/l
RT: 3.836 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

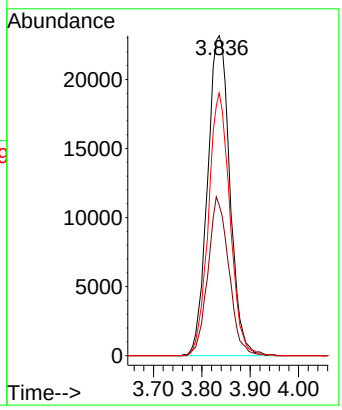
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

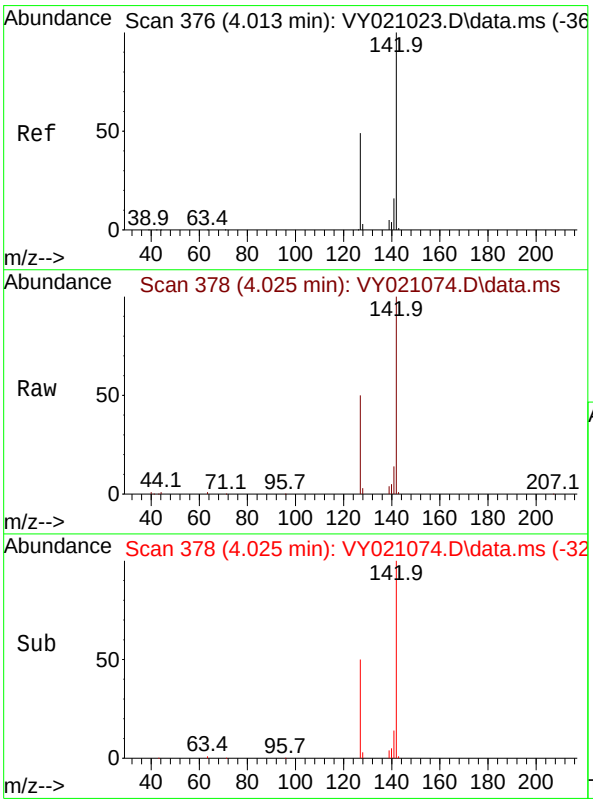
Tgt Ion:101 Resp: 7432

Ion	Ratio	Lower	Upper
101	100		
85	46.5	35.8	53.6
151	78.9	58.6	88.0

Manual Integrations
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Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

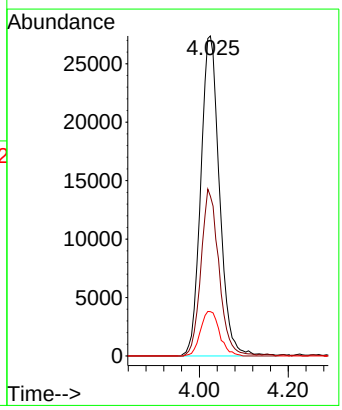


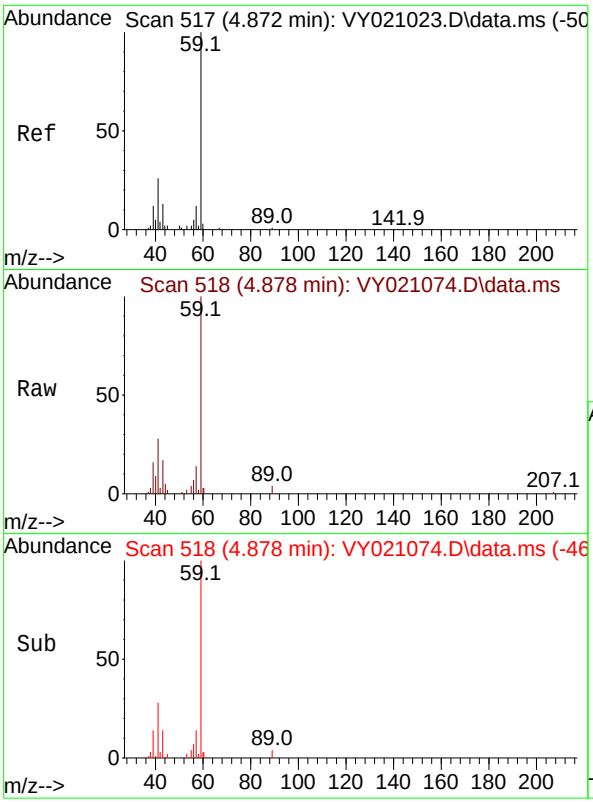


#10
Methyl Iodide
Concen: 50.081 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:142 Resp: 80273

Ion	Ratio	Lower	Upper
142	100		
127	50.1	35.1	52.7
141	14.2	11.8	17.6





#11
Tert butyl alcohol
Concen: 191.106 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

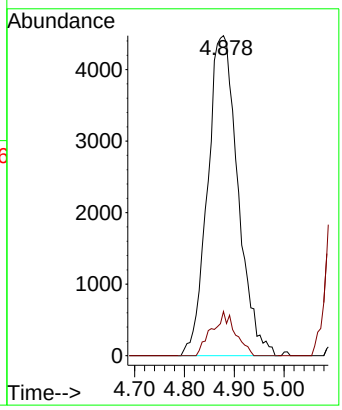
Tgt Ion: 59 Resp: 1891

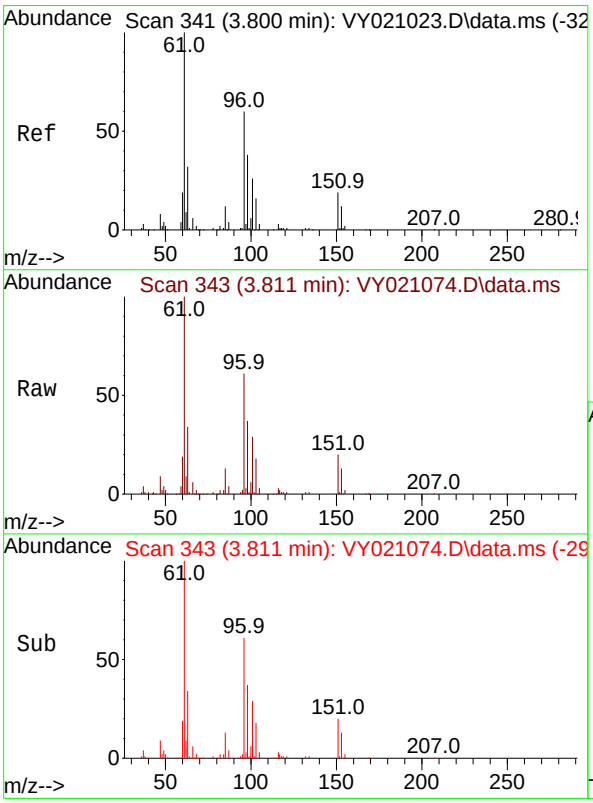
Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

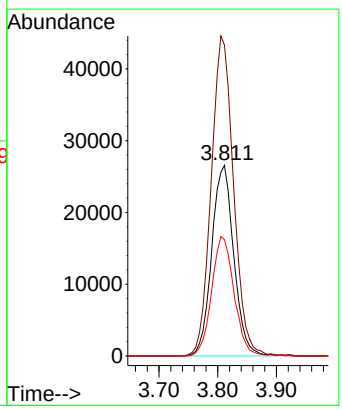


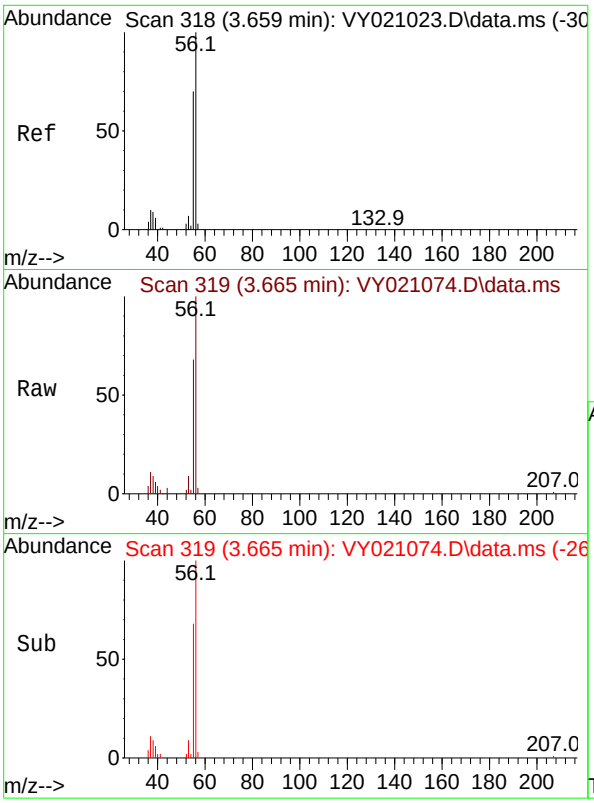


#12
1,1-Dichloroethene
Concen: 51.109 ug/l
RT: 3.811 min Scan# 343
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 96 Resp: 69461

Ion	Ratio	Lower	Upper
96	100		
61	163.2	124.2	186.2
98	61.0	52.6	79.0

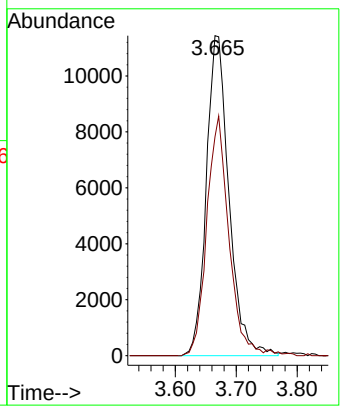




#13
Acrolein
Concen: 193.581 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 56 Resp: 2950

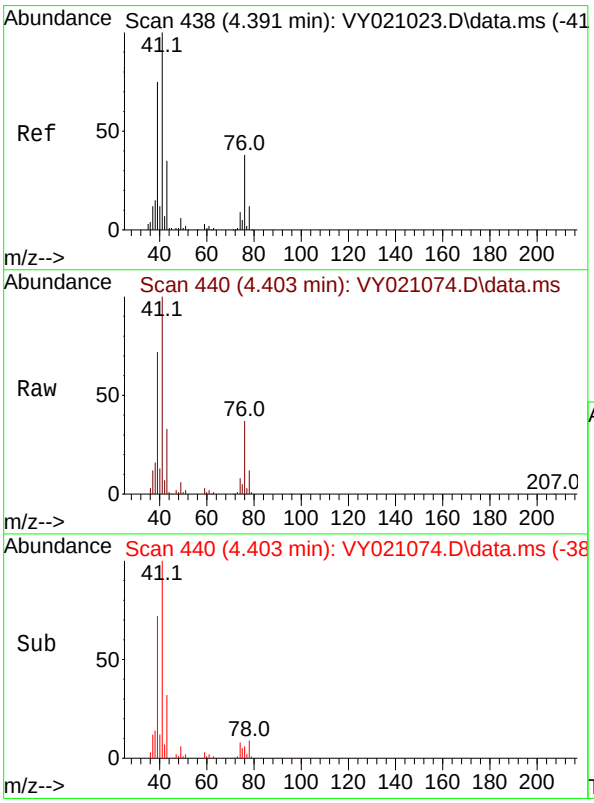
Ion	Ratio	Lower	Upper
56	100		
55	72.6	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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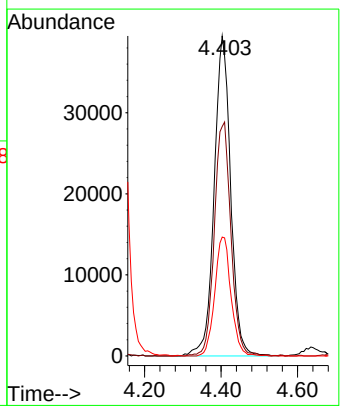
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

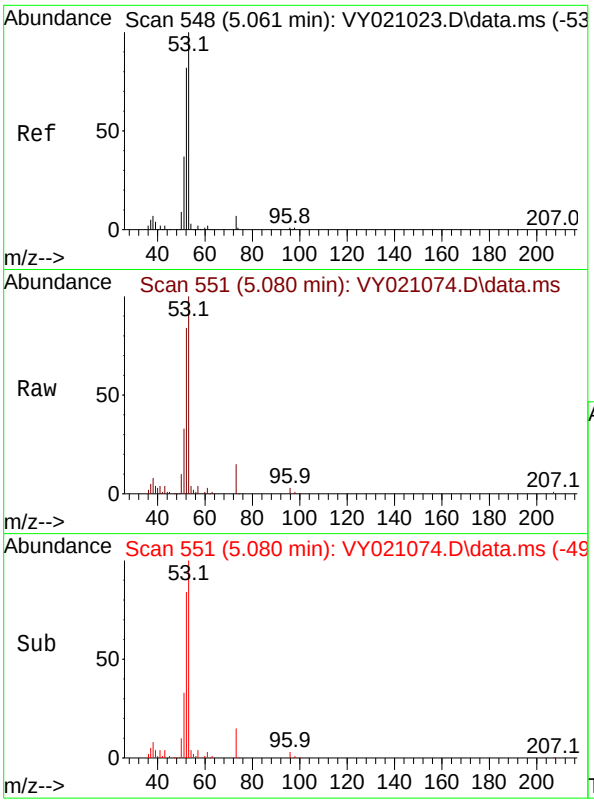


#14
Allyl chloride
Concen: 51.625 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 41 Resp: 118247

Ion	Ratio	Lower	Upper
41	100		
39	73.3	54.7	82.1
76	36.6	31.8	47.6

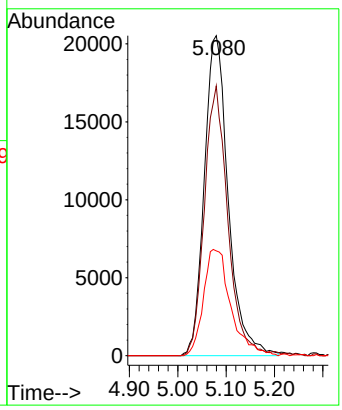




#15
Acrylonitrile
Concen: 236.680 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 53 Resp: 7072

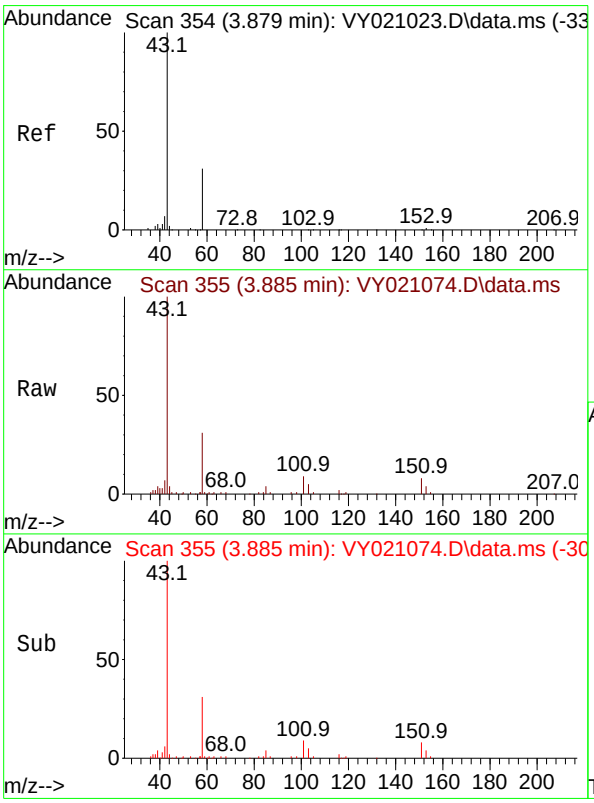
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.1	97.7
51	37.7	29.0	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

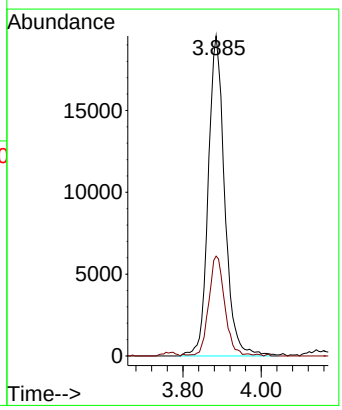
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

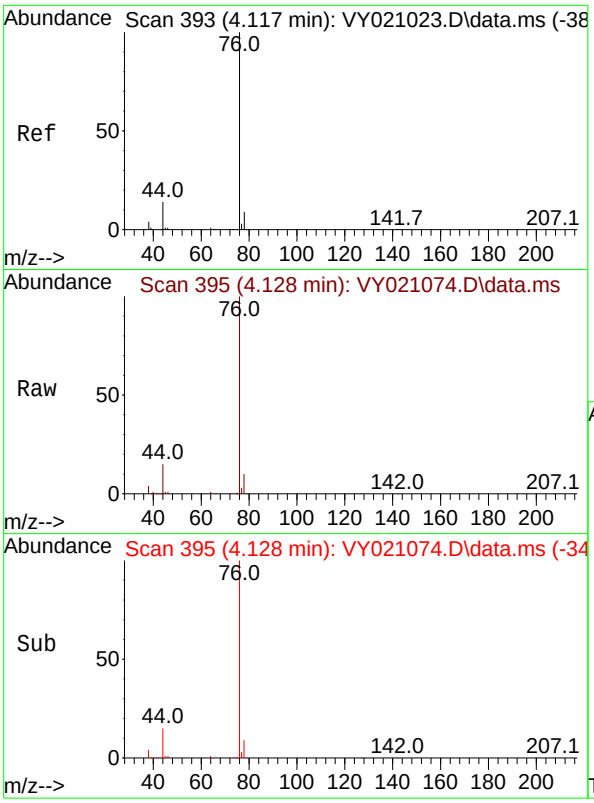


#16
Acetone
Concen: 249.947 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 43 Resp: 56925

Ion	Ratio	Lower	Upper
43	100		
58	31.2	26.6	39.8

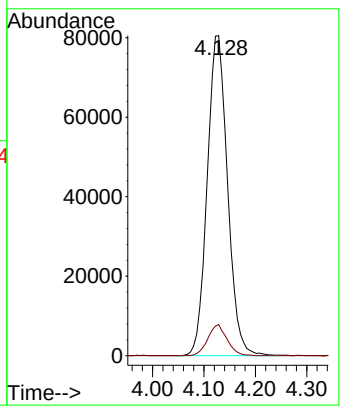




#17
Carbon Disulfide
Concen: 51.982 ug/l
RT: 4.128 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 76 Resp: 22153

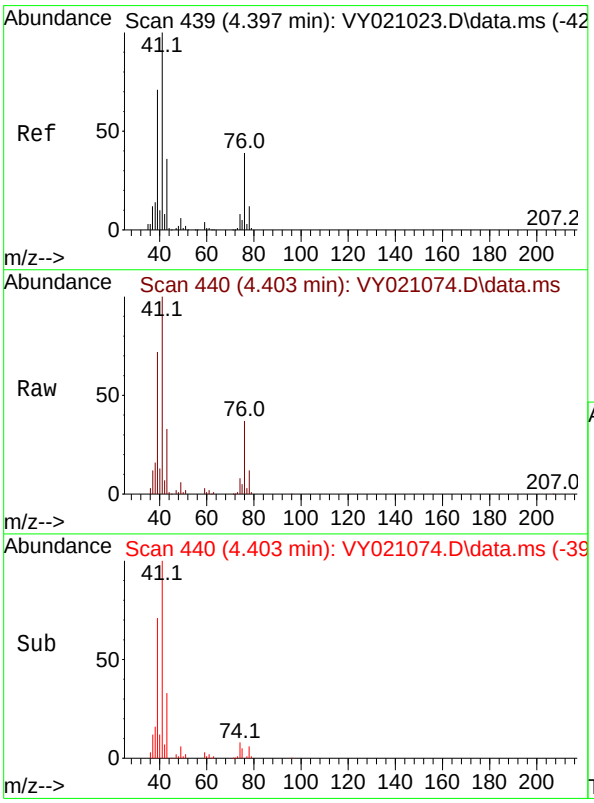
Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

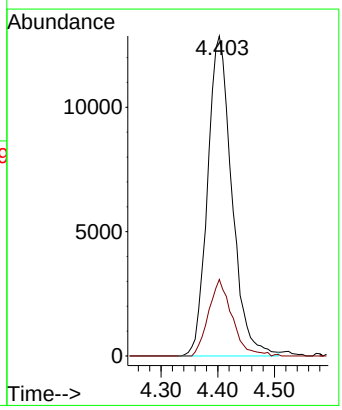
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

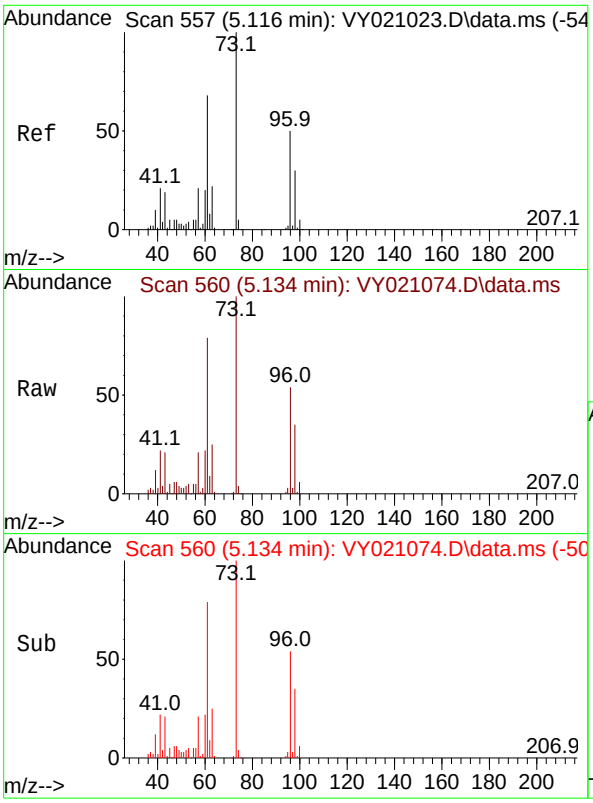


#18
Methyl Acetate
Concen: 47.793 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 43 Resp: 38210

Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.8	29.6

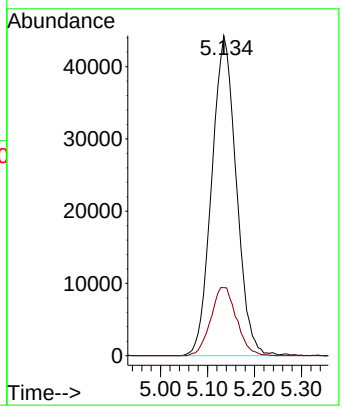




#19
Methyl tert-butyl Ether
Concen: 46.872 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 73 Resp: 16101

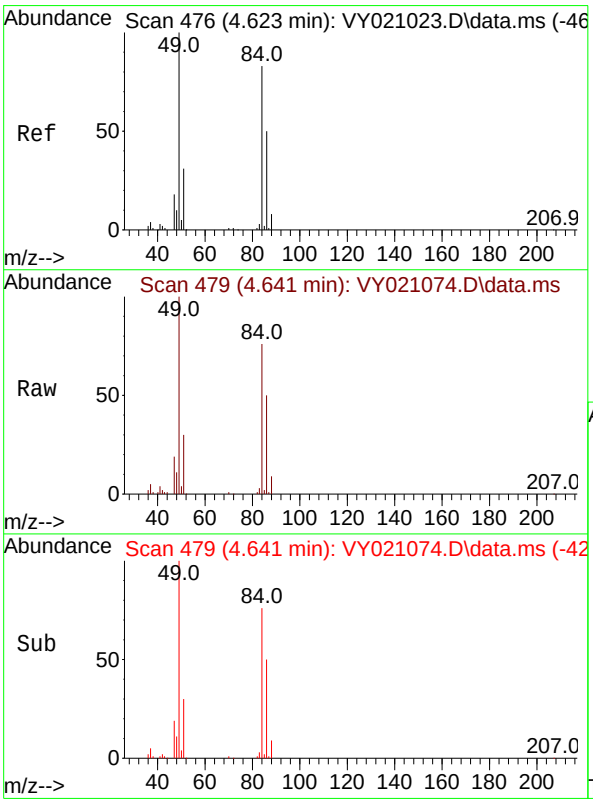
Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

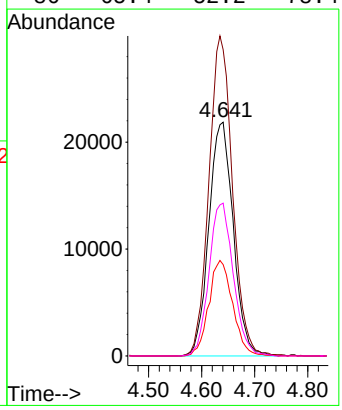
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

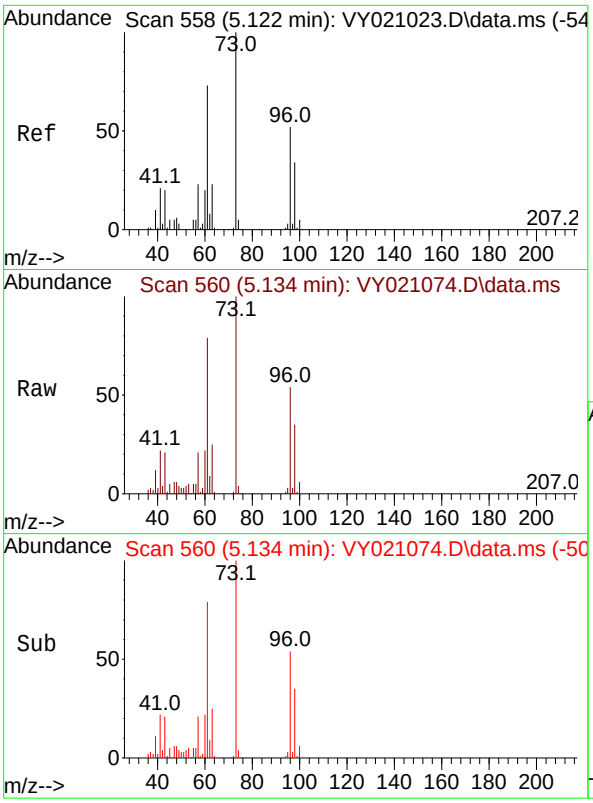


#20
Methylene Chloride
Concen: 49.443 ug/l
RT: 4.641 min Scan# 479
Delta R.T. 0.018 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 84 Resp: 70002

Ion	Ratio	Lower	Upper
84	100		
49	131.0	95.2	142.8
51	39.1	29.9	44.9
86	65.4	52.2	78.4

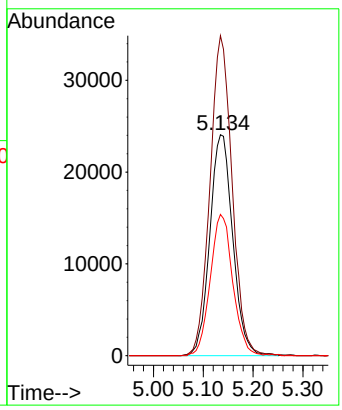




#21
trans-1,2-Dichloroethene
Concen: 51.377 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 96 Resp: 7685

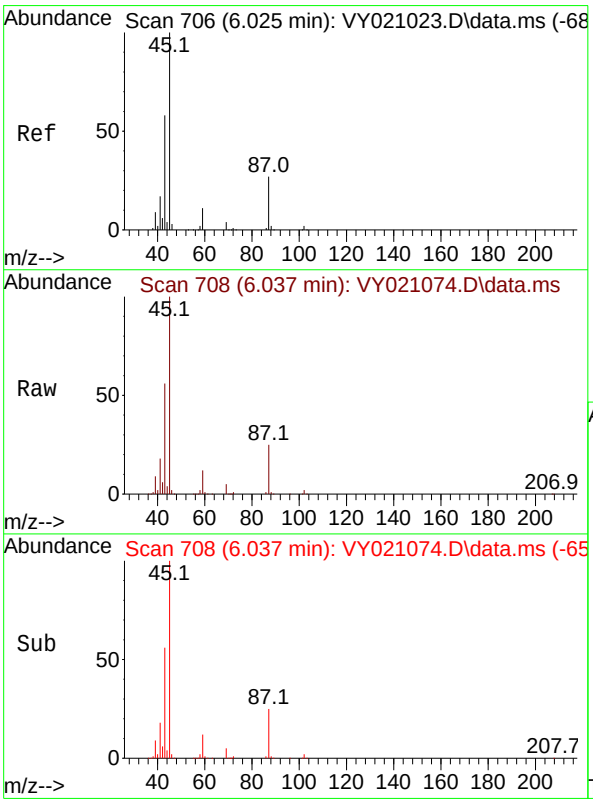
Ion	Ratio	Lower	Upper
96	100		
61	144.8	104.6	156.8
98	63.9	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

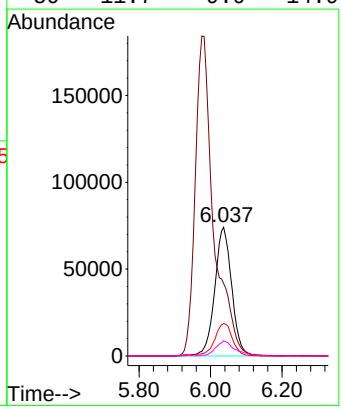
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

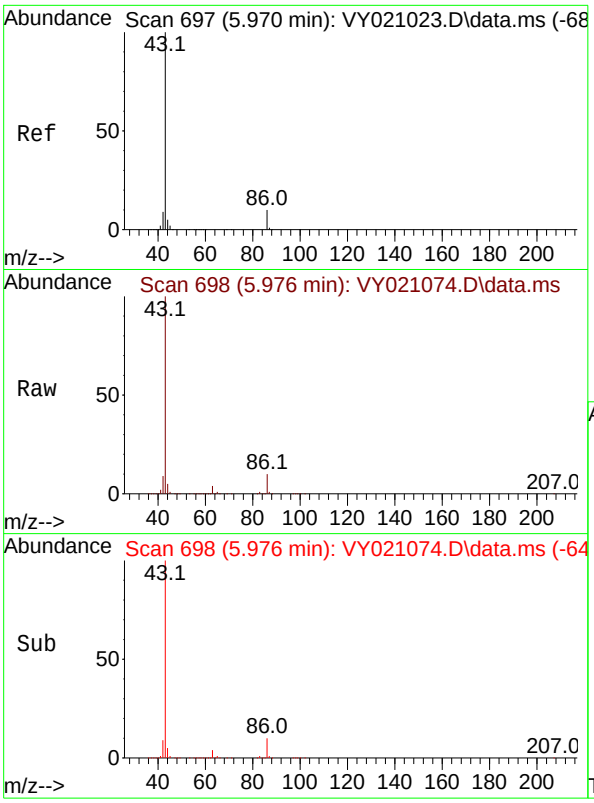


#22
Diisopropyl ether
Concen: 51.635 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 45 Resp: 243778

Ion	Ratio	Lower	Upper
45	100		
43	56.1	46.8	70.2
87	25.3	22.2	33.2
59	11.7	9.9	14.9

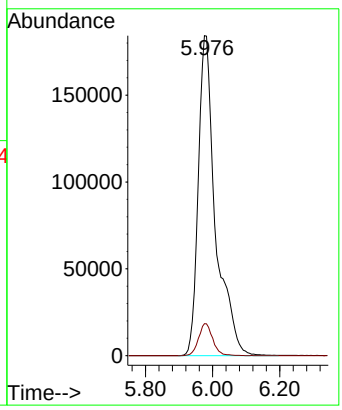




#23
Vinyl Acetate
Concen: 250.368 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 43 Resp: 65894

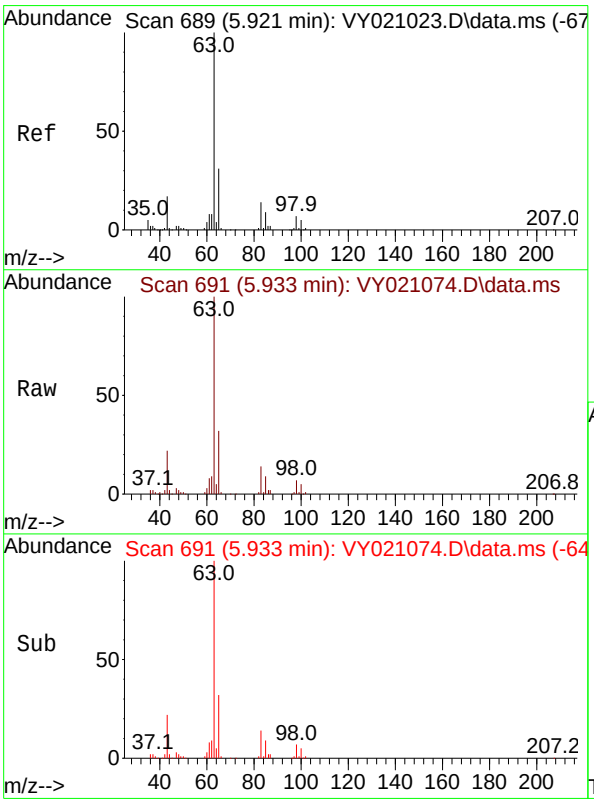
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

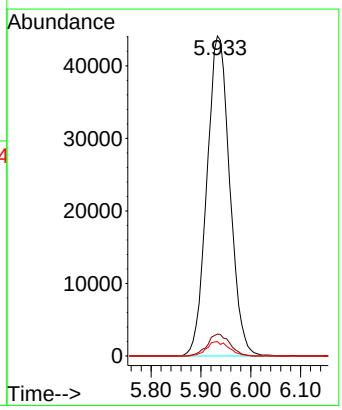
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

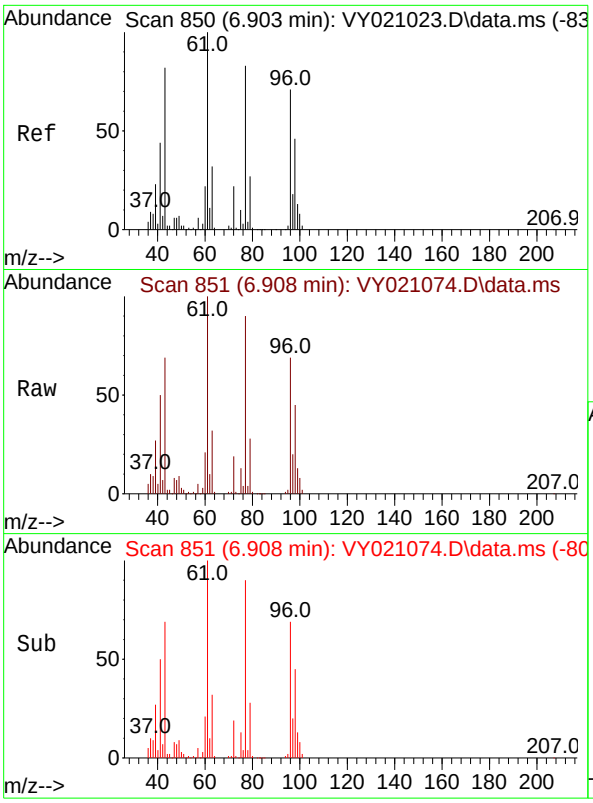


#24
1,1-Dichloroethane
Concen: 50.750 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 63 Resp: 140379

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.4
100	4.5	2.1	6.2





#25
2-Butanone
Concen: 239.512 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

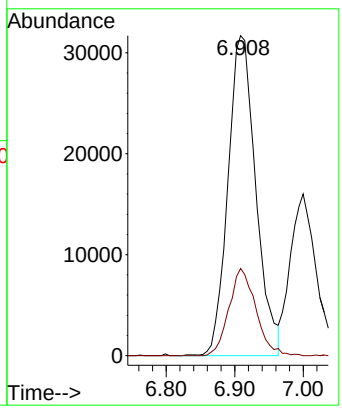
Tgt Ion: 43 Resp: 8963

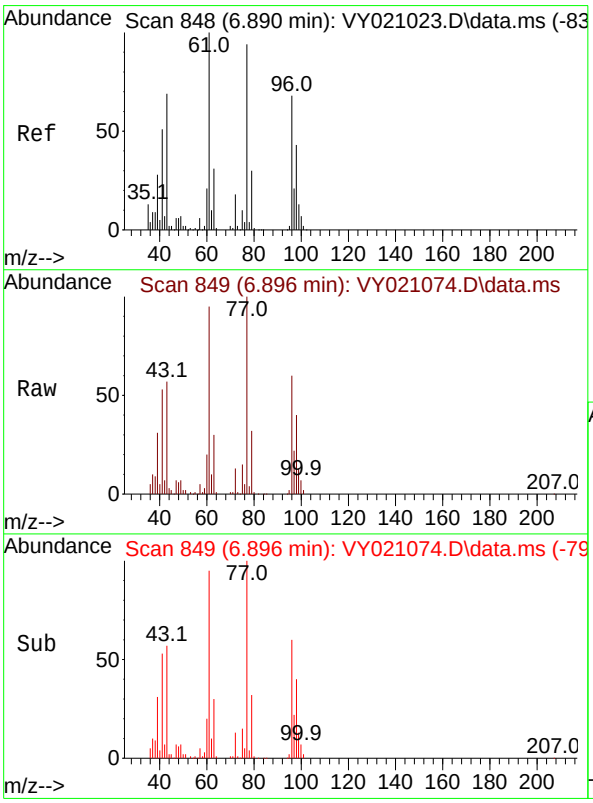
Ion	Ratio	Lower	Upper
43	100		
72	27.2	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

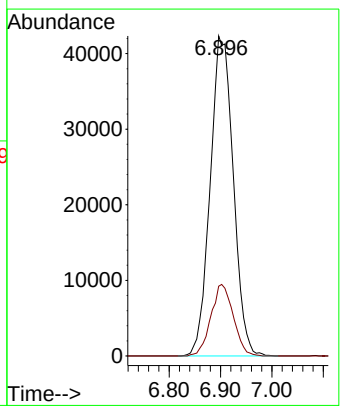


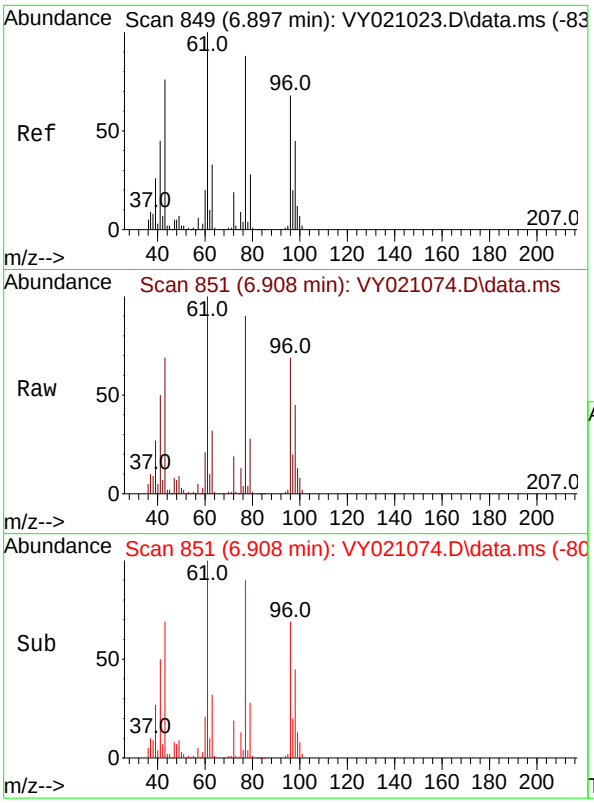


#26
2,2-Dichloropropane
Concen: 51.623 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 77 Resp: 132125

Ion	Ratio	Lower	Upper
77	100		
97	21.7	11.7	35.0





#27
cis-1,2-Dichloroethene
Concen: 50.351 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

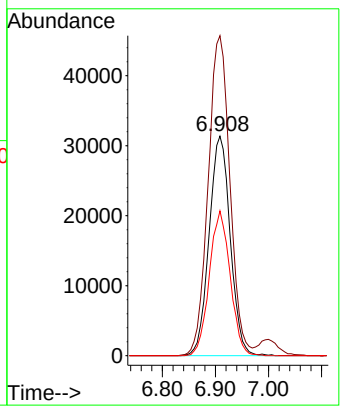
Tgt Ion: 96 Resp: 8670

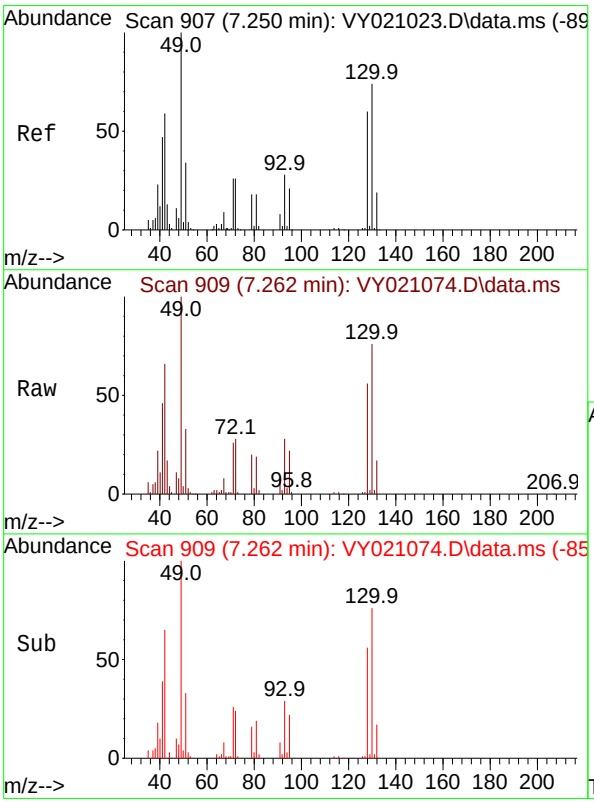
Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	278.8
98	65.0	0.0	127.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

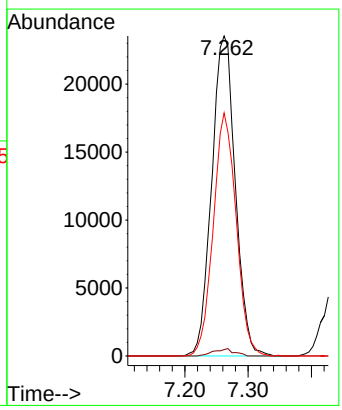


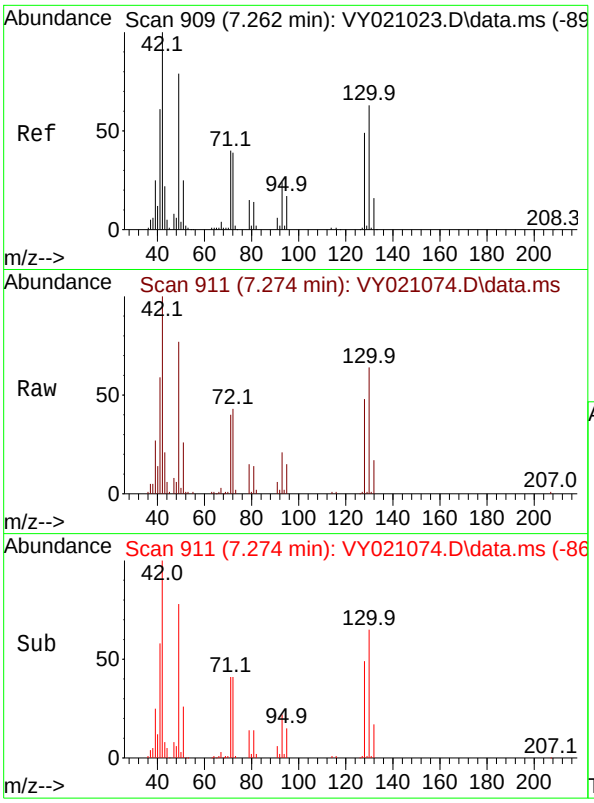


#28
Bromochloromethane
Concen: 55.745 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 49 Resp: 60973

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	73.7	59.8	89.8





#29
Tetrahydrofuran
Concen: 234.067 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

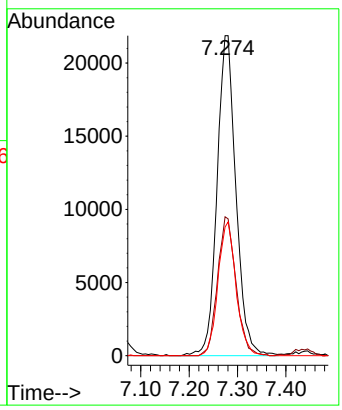
Tgt Ion: 42 Resp: 5927

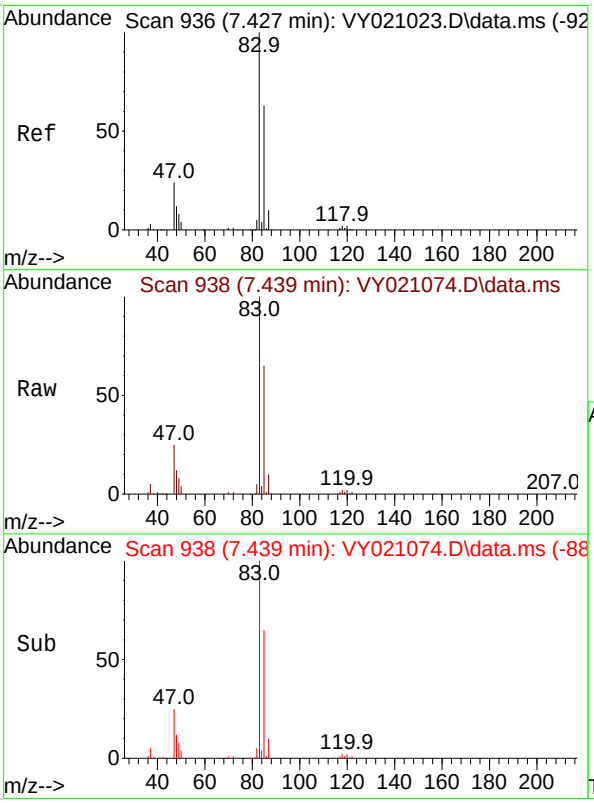
Ion	Ratio	Lower	Upper
42	100		
72	42.3	36.6	54.8
71	40.0	33.8	50.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

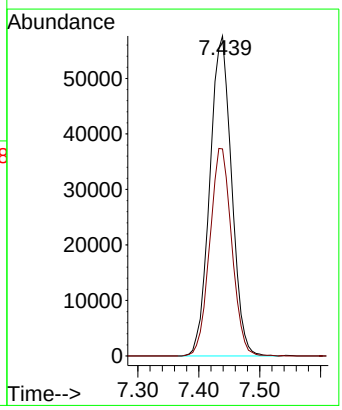


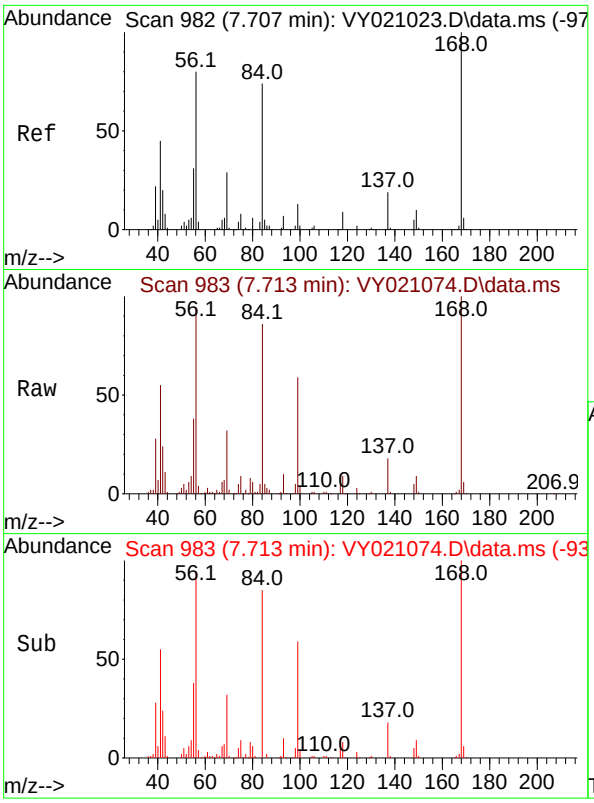


#30
Chloroform
Concen: 50.416 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 83 Resp: 143244

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.2	76.8

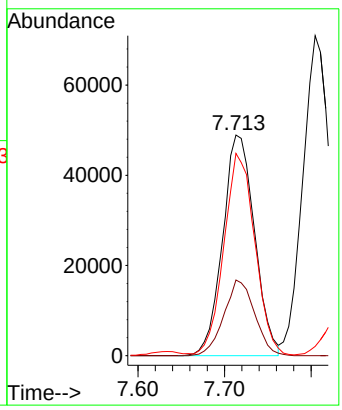




#31
Cyclohexane
Concen: 50.173 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 56 Resp: 12497

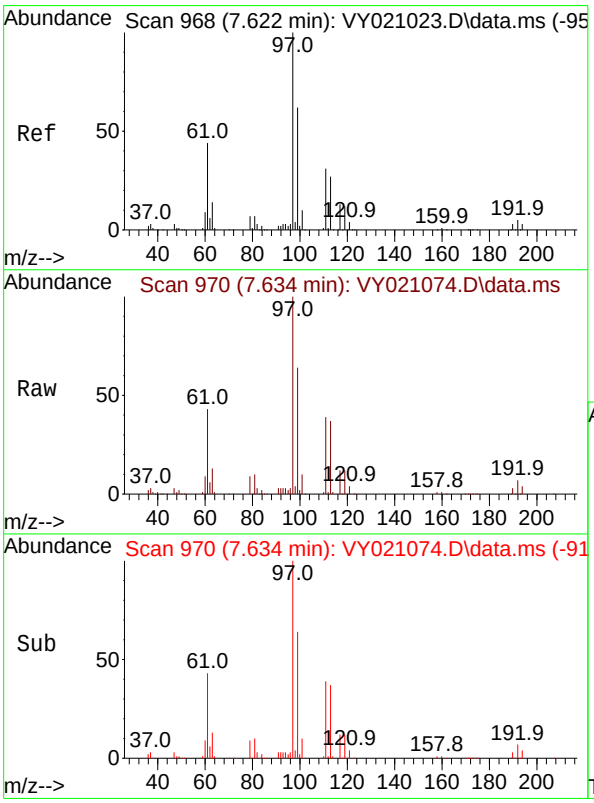
Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.0	40.6
84	90.4	71.8	107.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

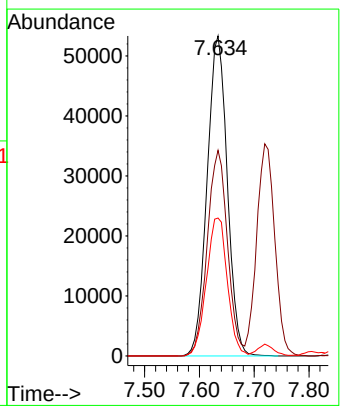
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

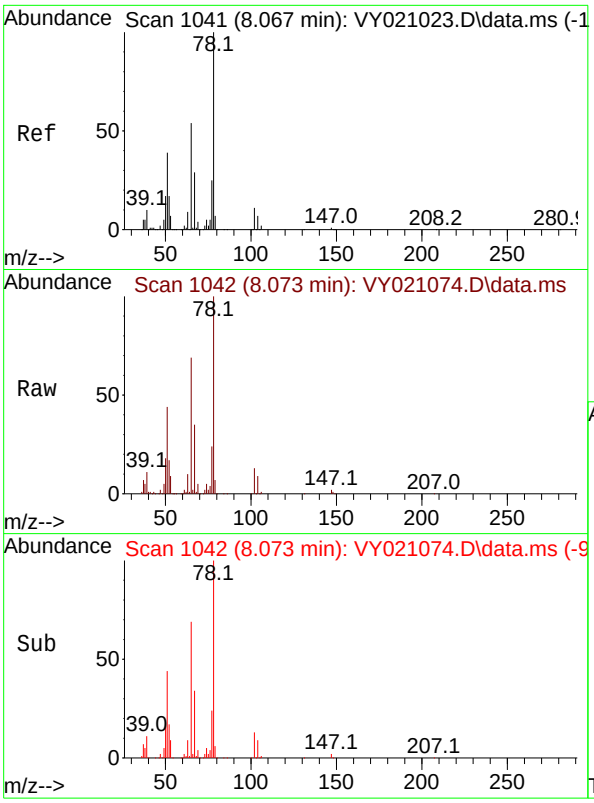


#32
1,1,1-Trichloroethane
Concen: 51.551 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 97 Resp: 136174

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.2	76.8
61	44.7	35.0	52.6

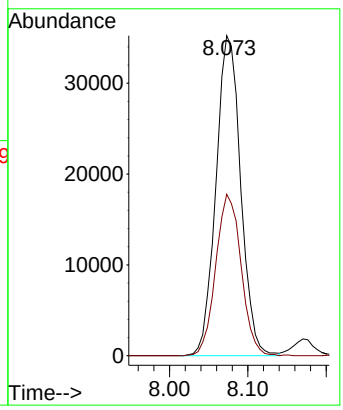




#33
1,2-Dichloroethane-d4
Concen: 52.989 ug/l
RT: 8.073 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 65 Resp: 7738(

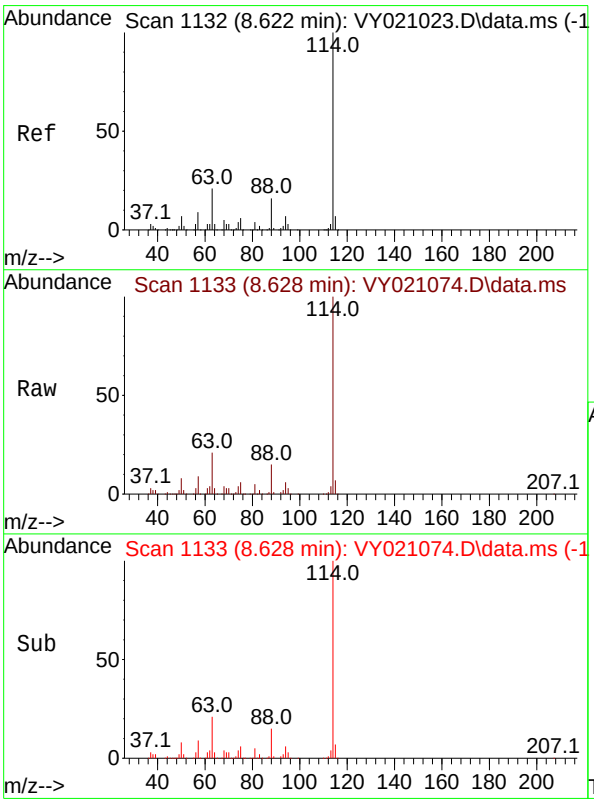
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

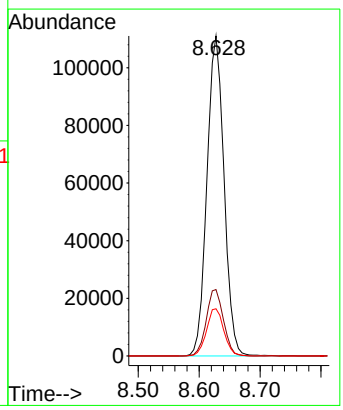
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

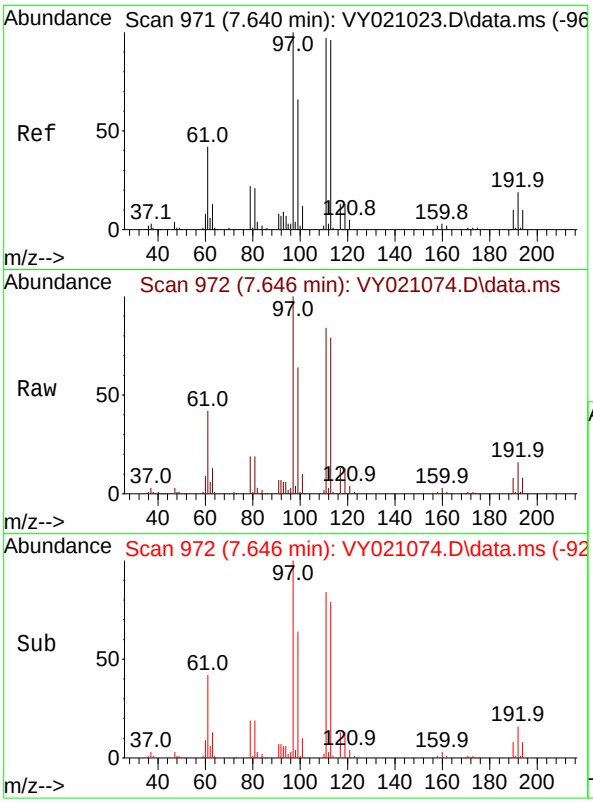


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:114 Resp: 216303

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	37.4
88	14.7	0.0	29.0

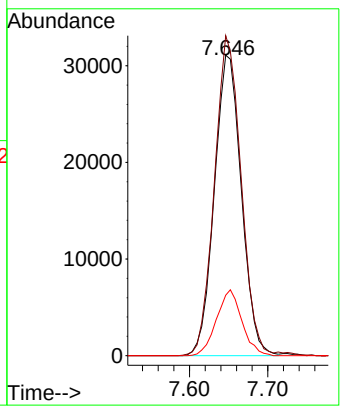




#35
Dibromofluoromethane
Concen: 53.752 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:113 Resp: 7451

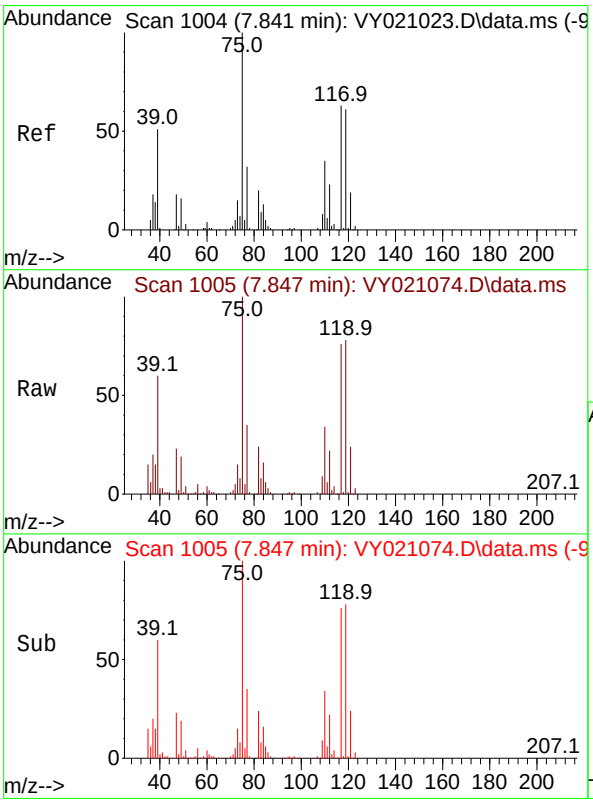
Ion	Ratio	Lower	Upper
113	100		
111	105.6	83.8	125.6
192	20.7	14.5	21.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

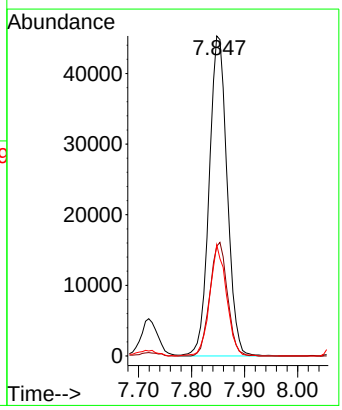
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

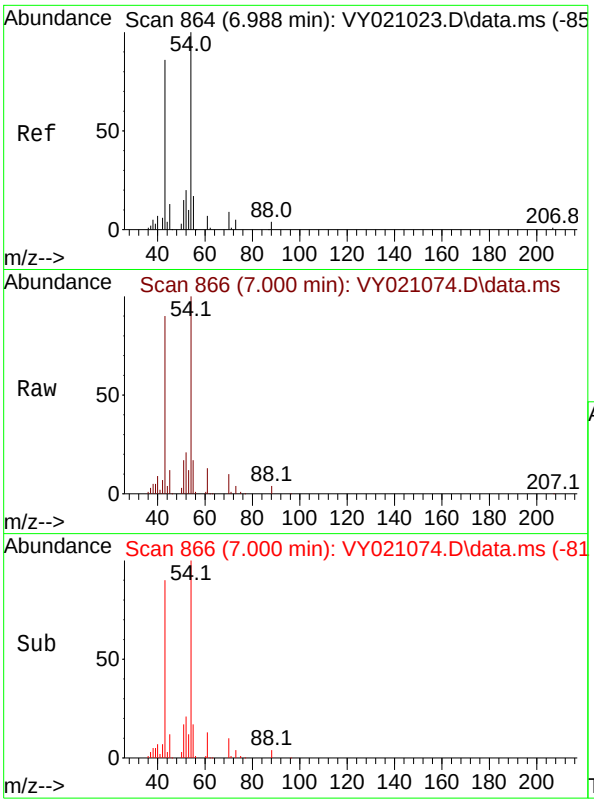


#36
1,1-Dichloropropene
Concen: 51.934 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 75 Resp: 106633

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.4	52.3
77	32.5	24.7	37.1

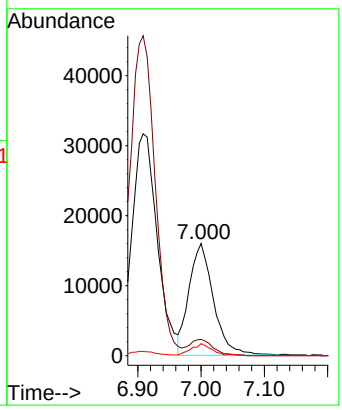




#37
Ethyl Acetate
Concen: 47.581 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 43 Resp: 4285

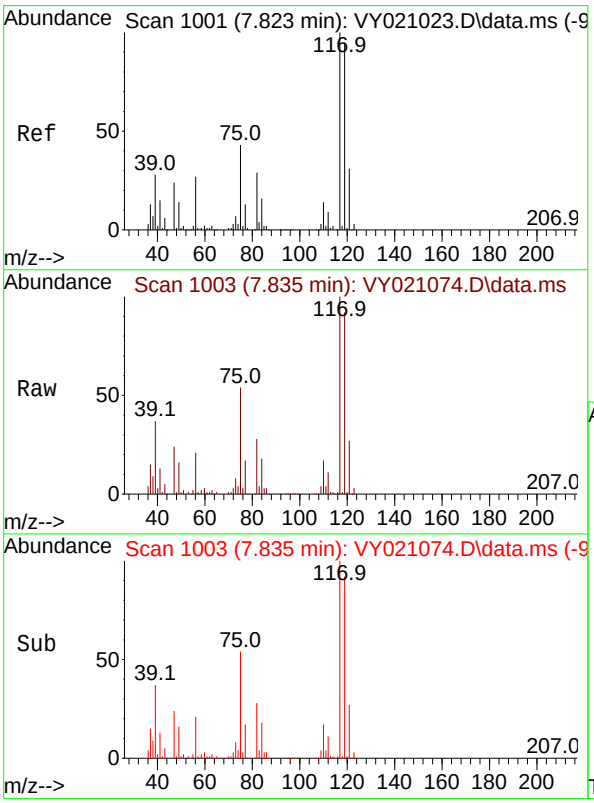
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.6
70	8.0	8.1	12.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

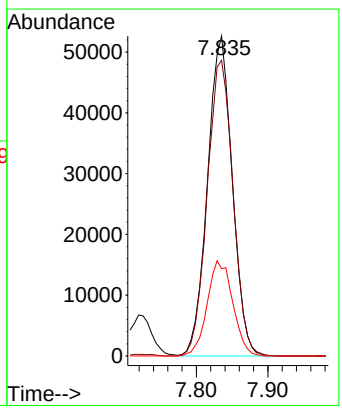
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

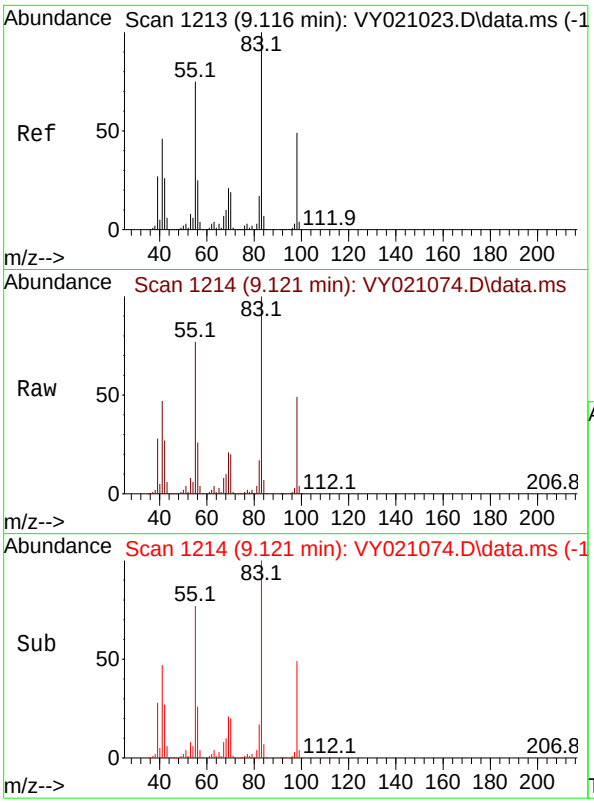


#38
Carbon Tetrachloride
Concen: 52.784 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:117 Resp: 126635

Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.0	114.0
121	27.3	24.2	36.2





#39
Methylcyclohexane
Concen: 54.317 ug/l
RT: 9.121 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

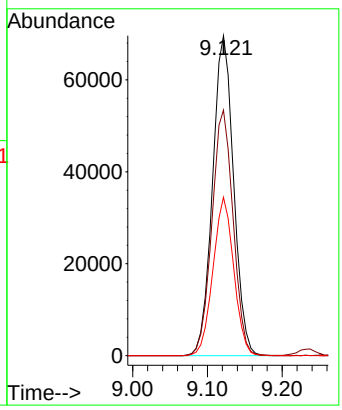
Tgt Ion: 83 Resp: 13641

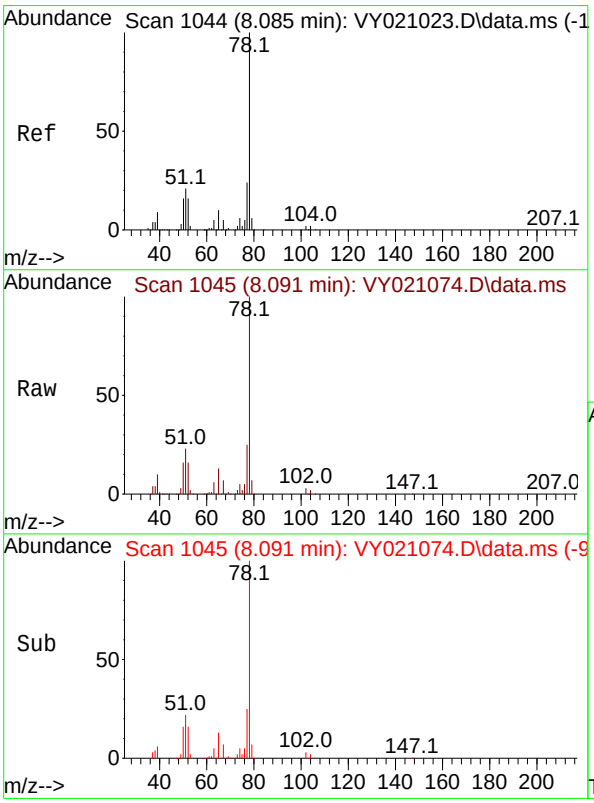
Ion	Ratio	Lower	Upper
83	100		
55	76.7	59.7	89.5
98	49.5	38.0	57.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

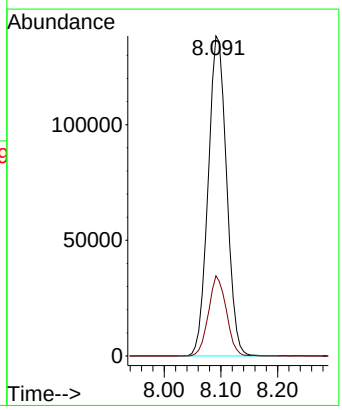


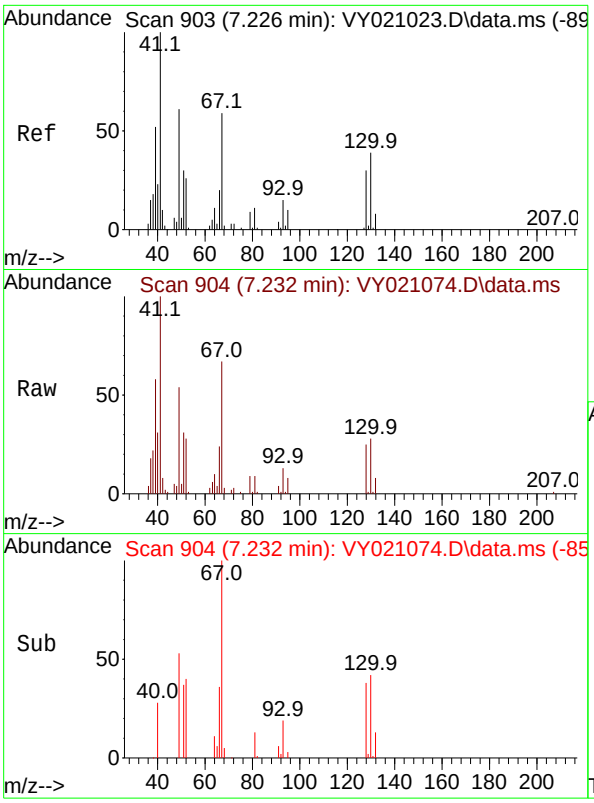


#40
Benzene
Concen: 51.905 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 78 Resp: 312752

Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.8	28.2

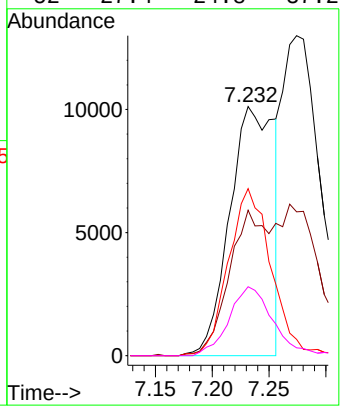




#41
Methacrylonitrile
Concen: 53.037 ug/l m
RT: 7.232 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 41 Resp: 2763

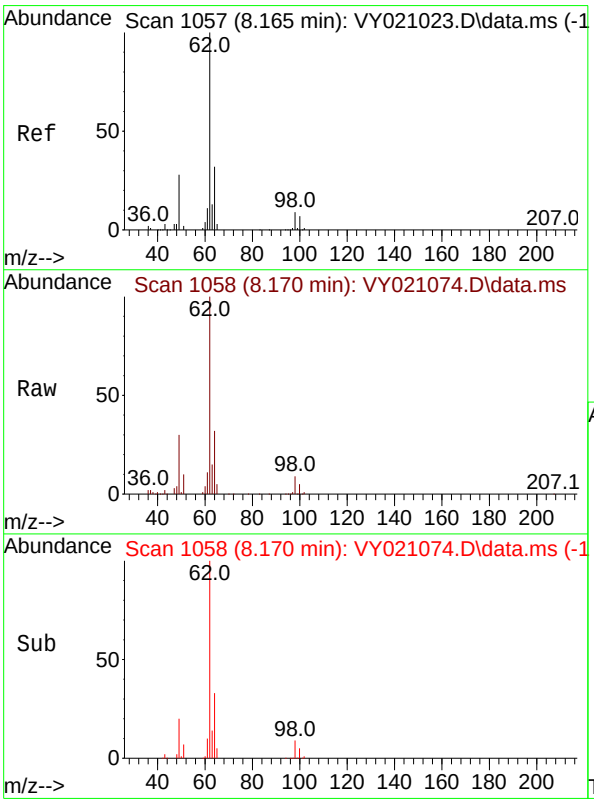
Ion	Ratio	Lower	Upper
41	100		
39	49.7	41.9	62.9
67	64.2	59.8	89.6
52	27.4	24.8	37.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

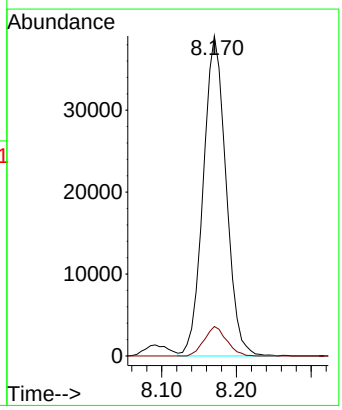
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

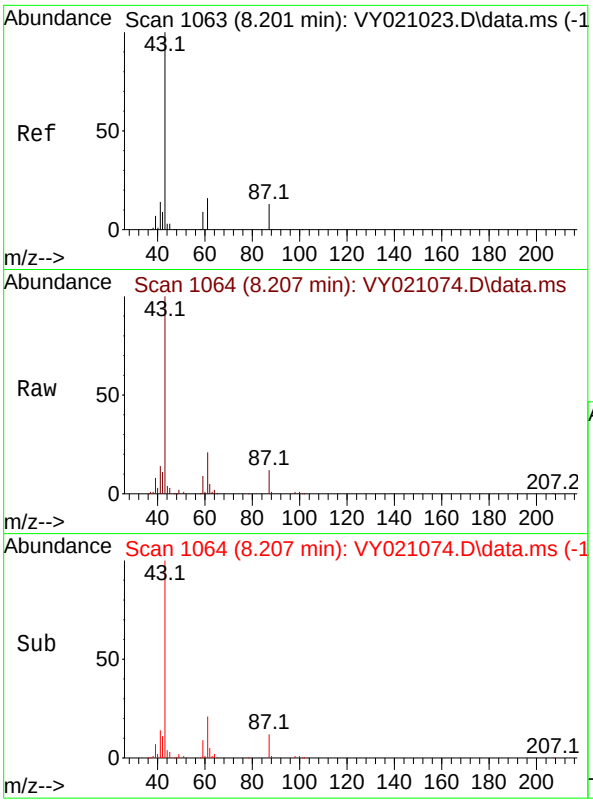


#42
1,2-Dichloroethane
Concen: 49.557 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 62 Resp: 82833

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.2

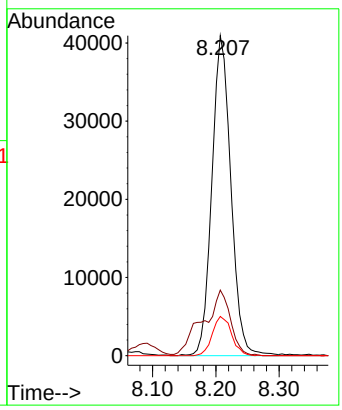




#43
Isopropyl Acetate
Concen: 47.758 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 43 Resp: 8547

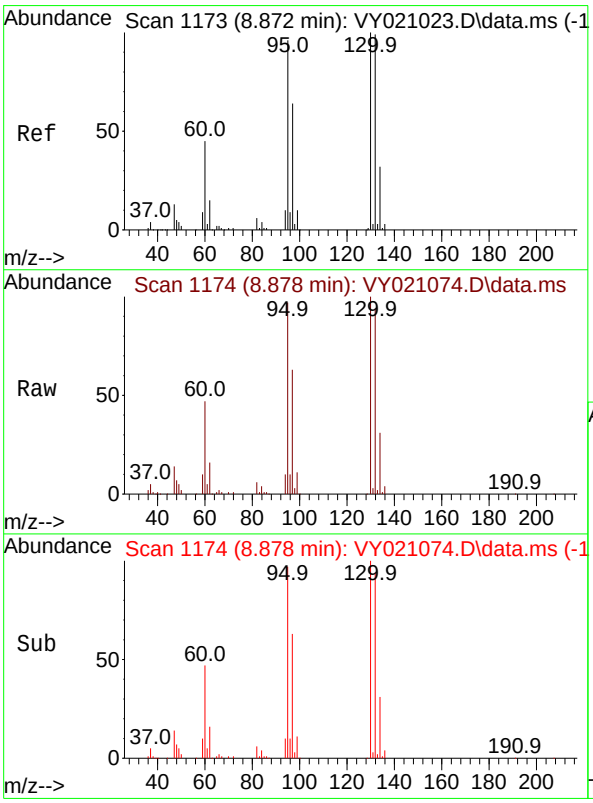
Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.8	37.2
87	12.4	10.7	16.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

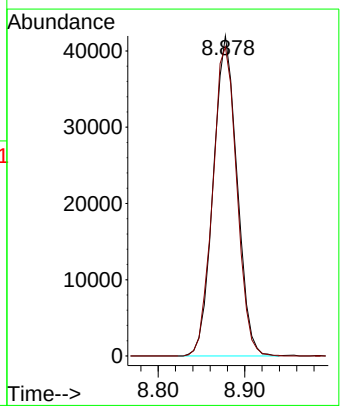
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

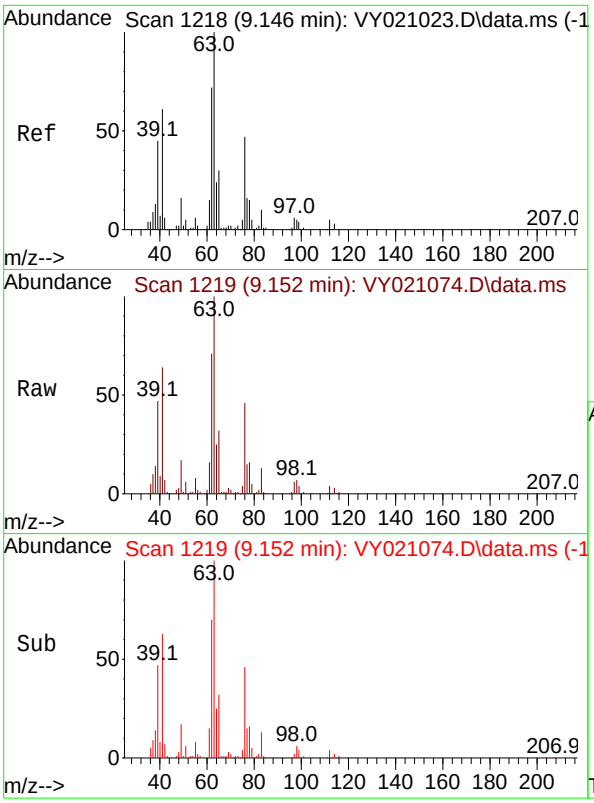


#44
Trichloroethene
Concen: 51.373 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:130 Resp: 79974

Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	203.8

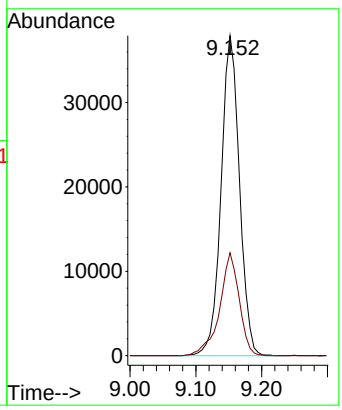




#45
1,2-Dichloropropane
Concen: 51.669 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 63 Resp: 7389

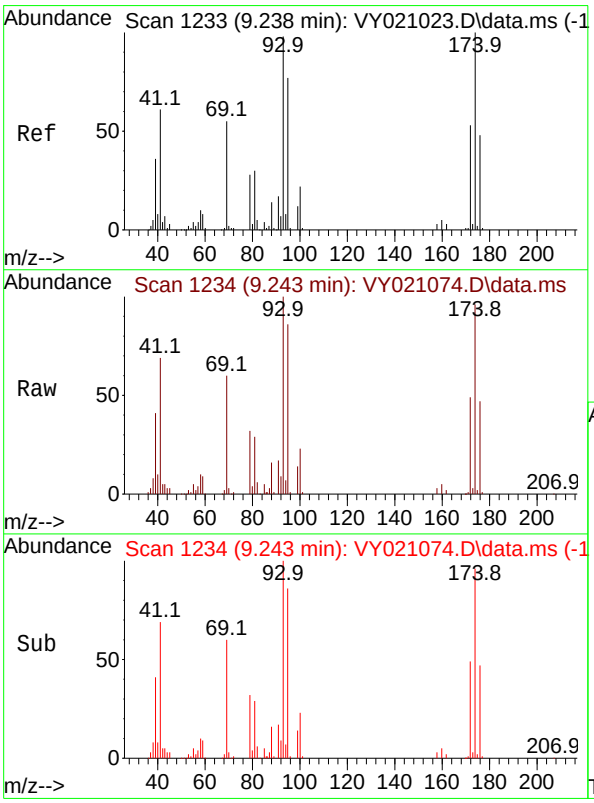
Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

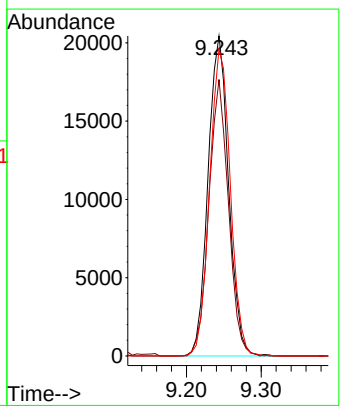
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

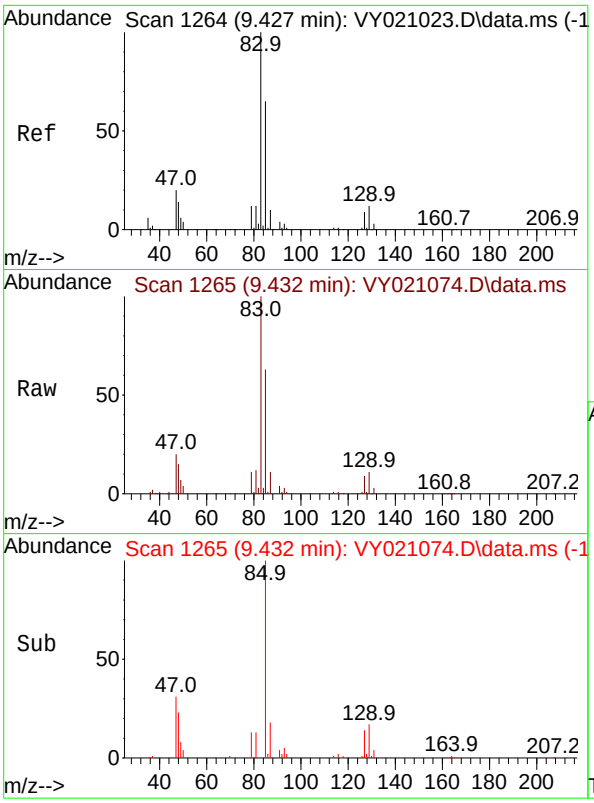


#46
Dibromomethane
Concen: 49.344 ug/l
RT: 9.243 min Scan# 1234
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 93 Resp: 39073

Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.6	99.8
174	97.0	73.8	110.6

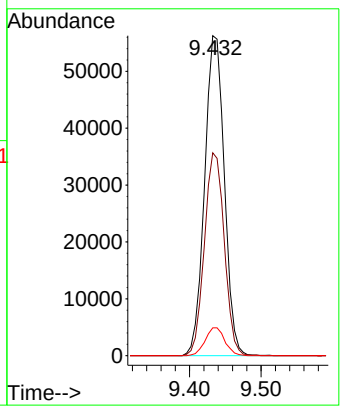




#47
Bromodichloromethane
Concen: 50.721 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 83 Resp: 10771

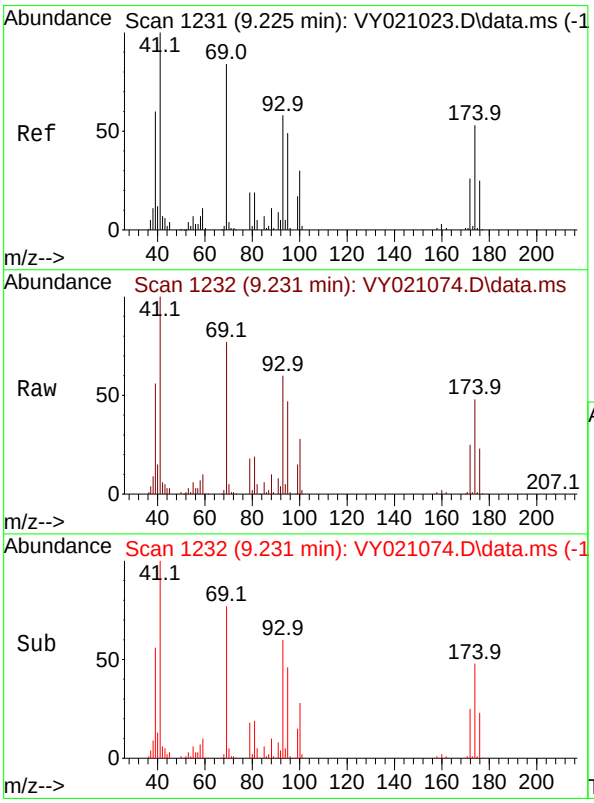
Ion	Ratio	Lower	Upper
83	100		
85	63.4	53.2	79.8
127	8.7	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

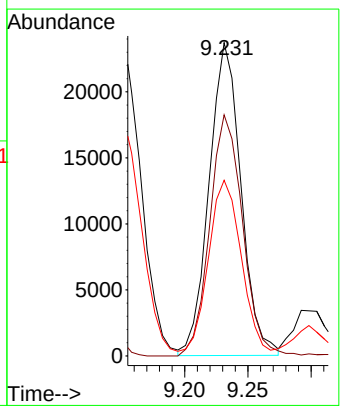
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

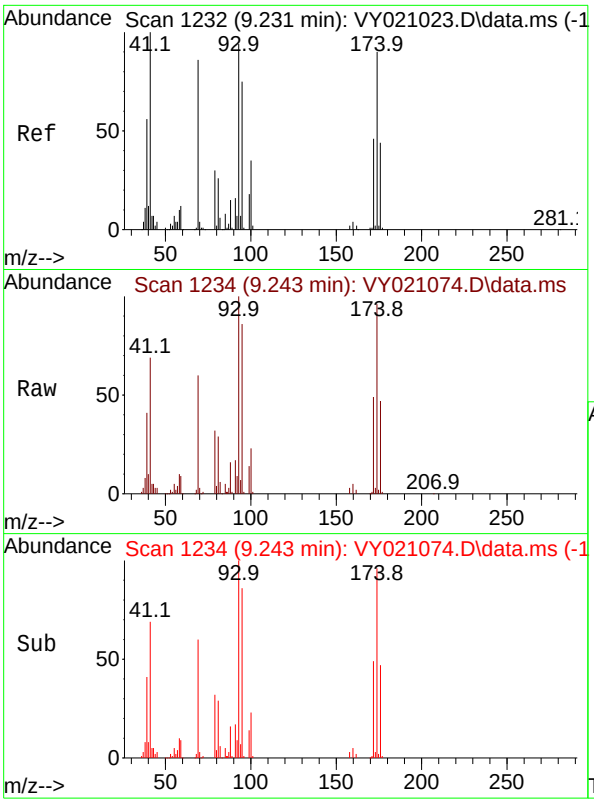


#48
Methyl methacrylate
Concen: 50.915 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 41 Resp: 41509

Ion	Ratio	Lower	Upper
41	100		
69	79.9	72.1	108.1
39	55.8	42.8	64.2





#49
1,4-Dioxane
Concen: 968.327 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

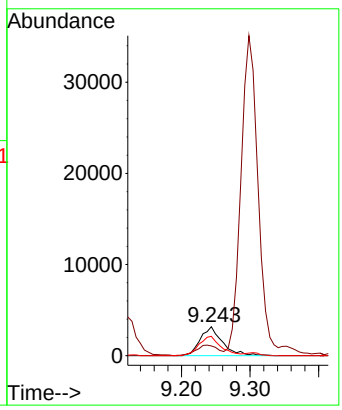
Tgt Ion: 88 Resp: 713

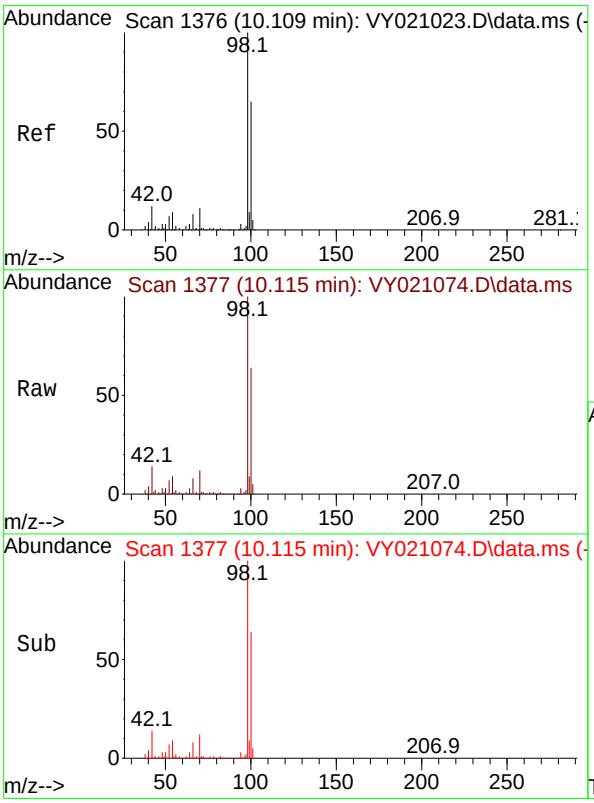
Ion	Ratio	Lower	Upper
88	100		
43	36.6	28.2	42.4
58	66.2	52.2	78.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

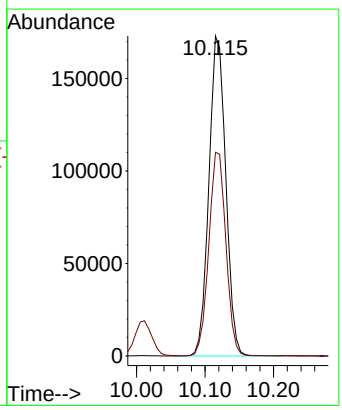


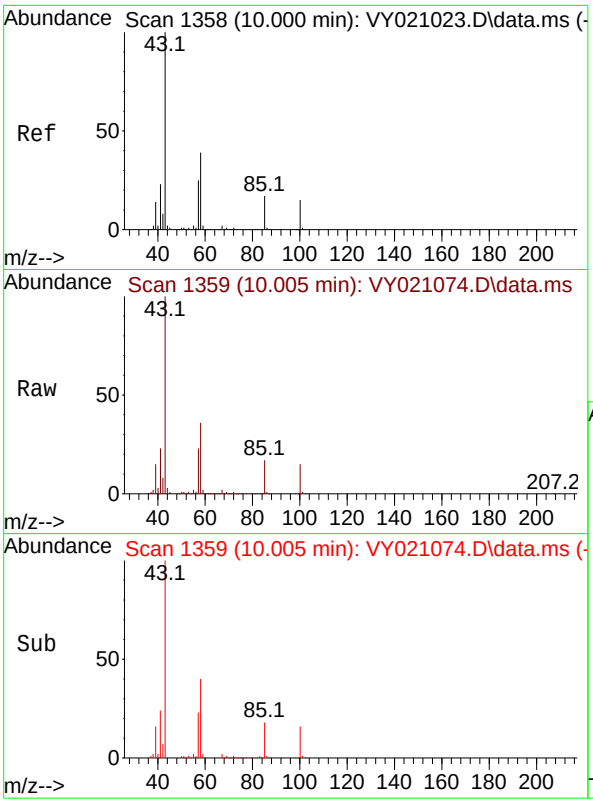


#50
Toluene-d8
Concen: 56.072 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 98 Resp: 295914

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.3	78.5

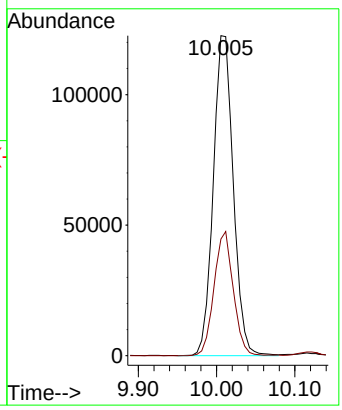




#51
4-Methyl-2-Pentanone
Concen: 241.887 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 43 Resp: 21770

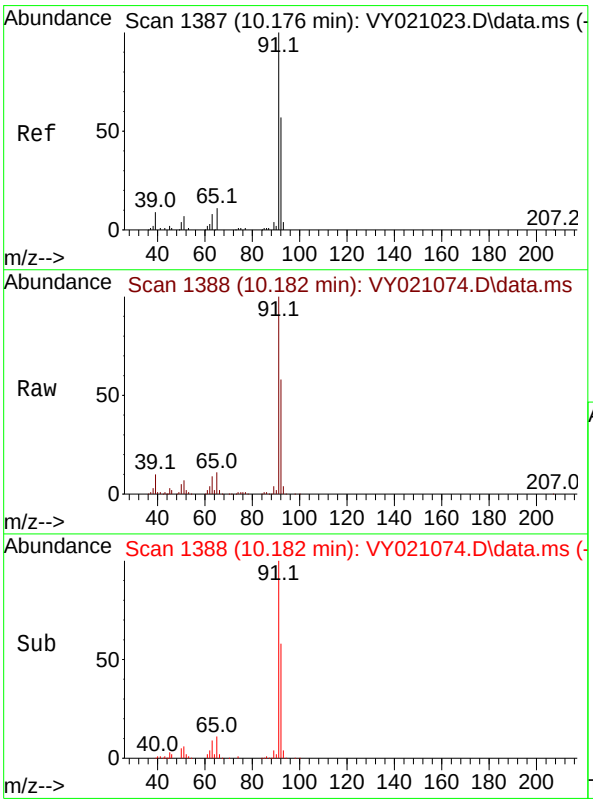
Ion	Ratio	Lower	Upper
43	100		
58	37.3	32.2	48.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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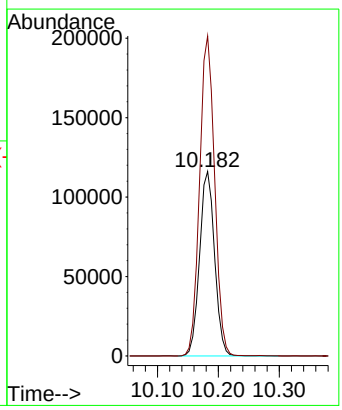
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

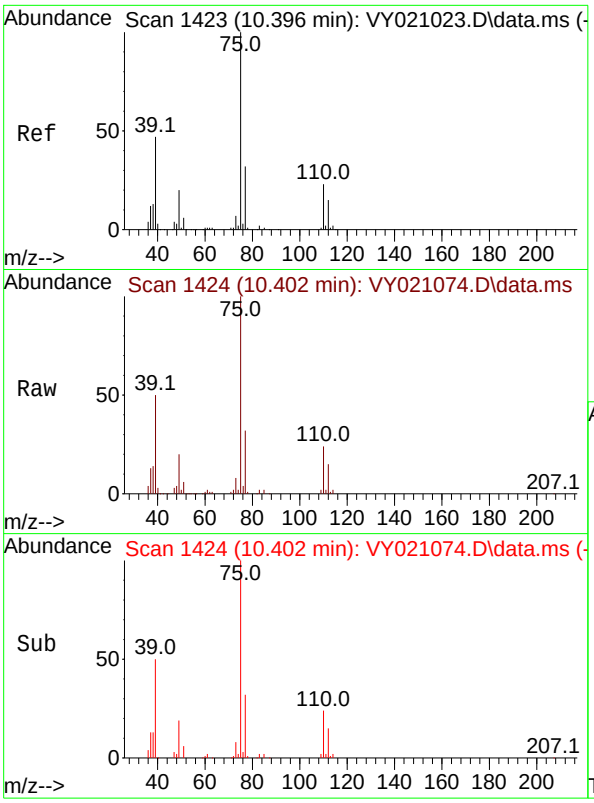


#52
Toluene
Concen: 52.445 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 92 Resp: 198421

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.6	206.4





#53
t-1,3-Dichloropropene
Concen: 50.444 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

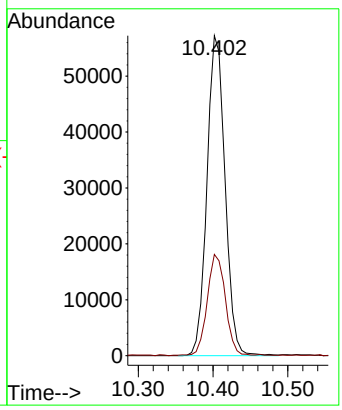
Tgt Ion: 75 Resp: 9619

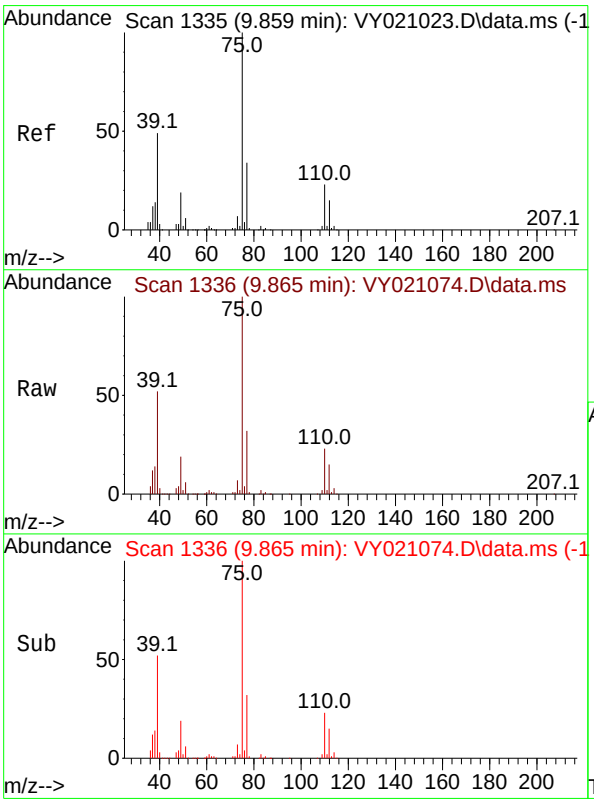
Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

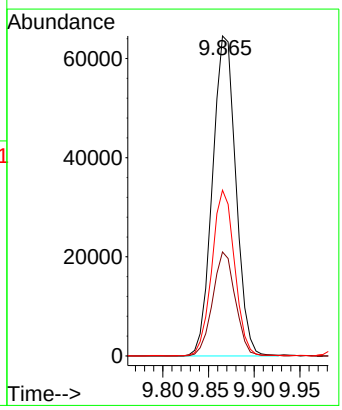


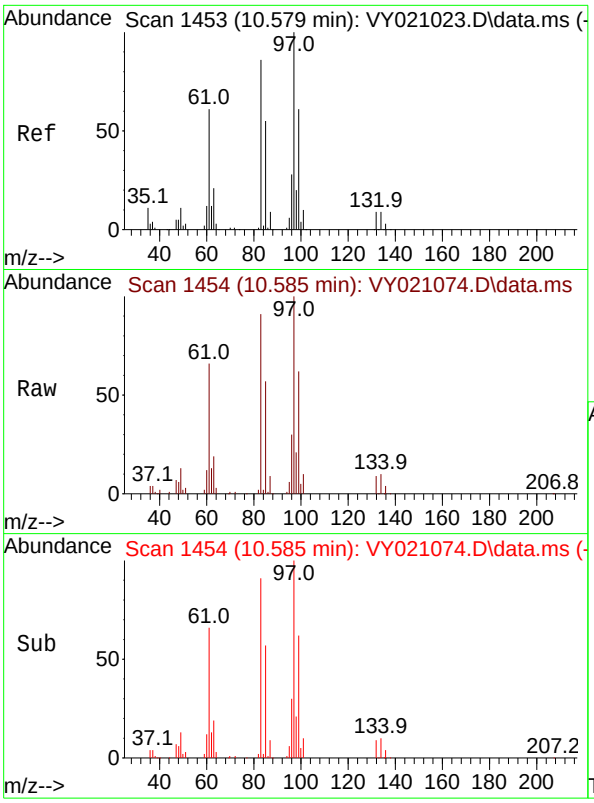


#54
cis-1,3-Dichloropropene
Concen: 50.914 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 75 Resp: 114954

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.6	36.8
39	51.7	33.6	50.4#

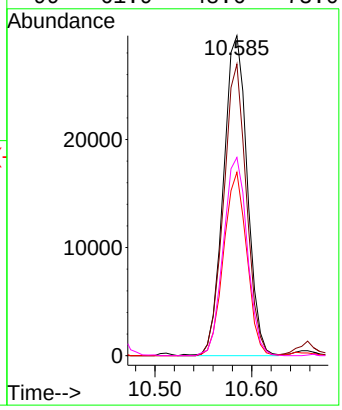




#55
1,1,2-Trichloroethane
Concen: 49.430 ug/l
RT: 10.585 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 97 Resp: 5068

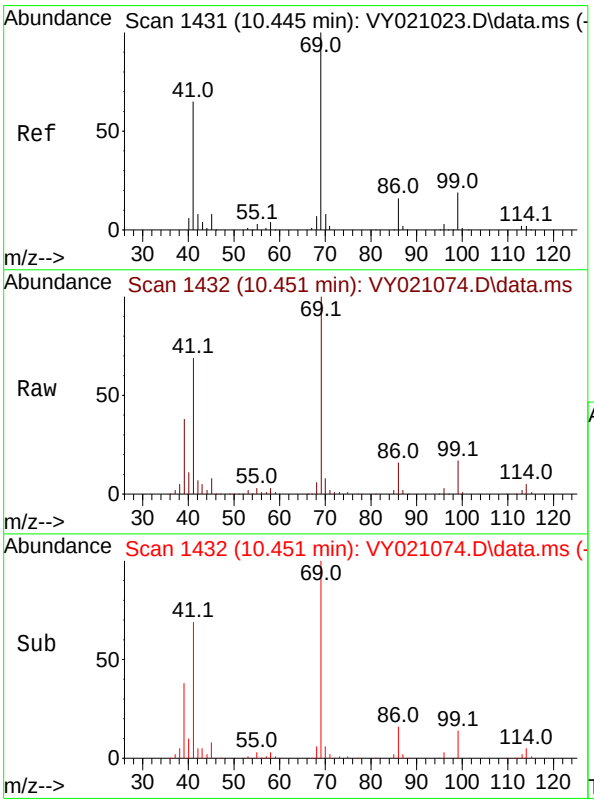
Ion	Ratio	Lower	Upper
97	100		
83	91.1	69.4	104.2
85	57.3	43.9	65.9
99	61.9	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

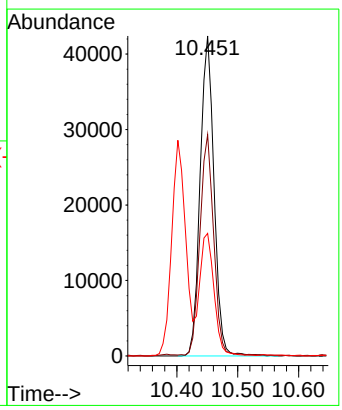
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

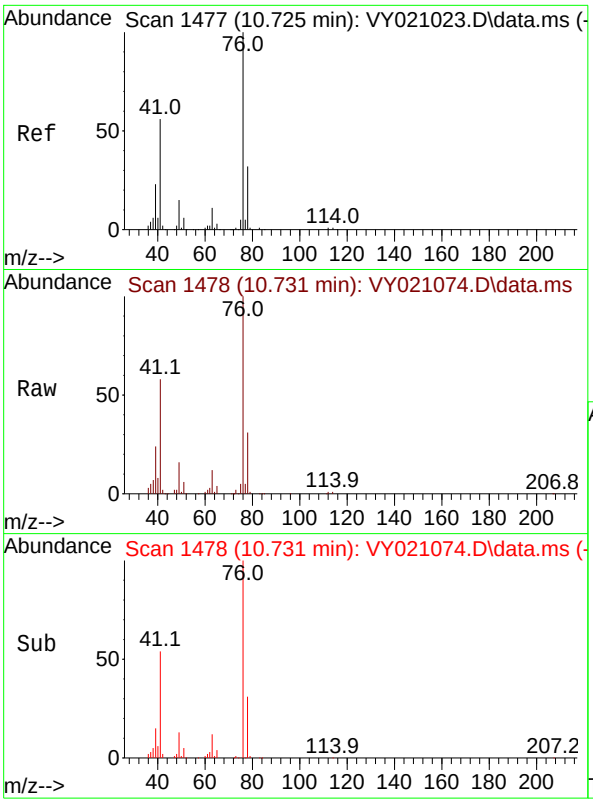


#56
Ethyl methacrylate
Concen: 48.836 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 69 Resp: 66990

Ion	Ratio	Lower	Upper
69	100		
41	67.8	49.2	73.8
39	39.9	26.8	40.2

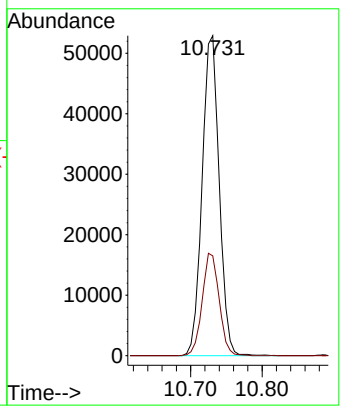




#57
1,3-Dichloropropane
Concen: 49.359 ug/l
RT: 10.731 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 76 Resp: 8760

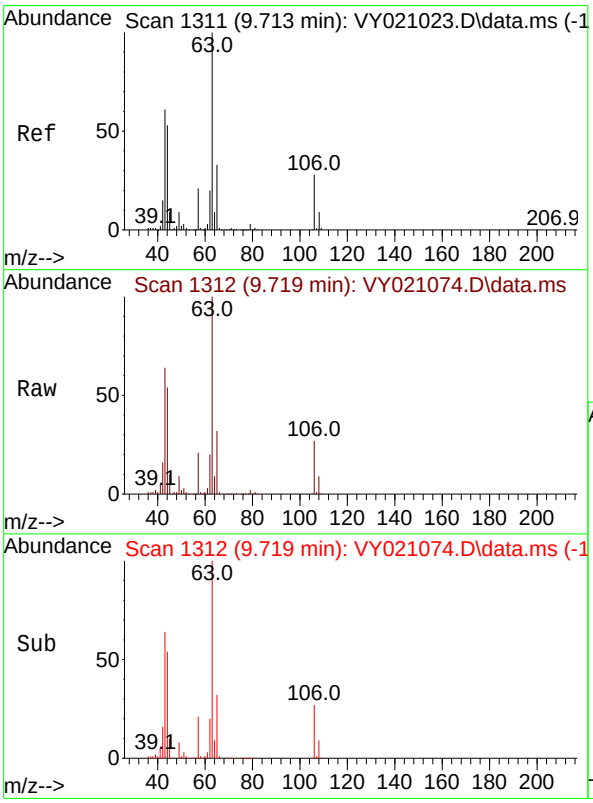
Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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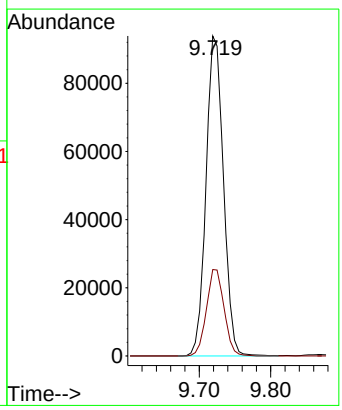
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

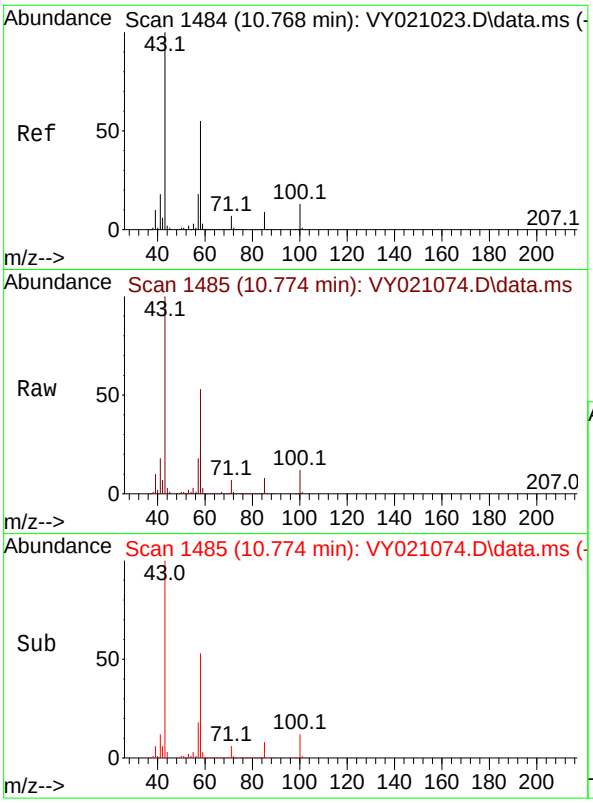


#58
2-Chloroethyl Vinyl ether
Concen: 243.329 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 63 Resp: 158797

Ion	Ratio	Lower	Upper
63	100		
106	27.3	22.4	33.6





#59
2-Hexanone
Concen: 240.804 ug/l
RT: 10.774 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

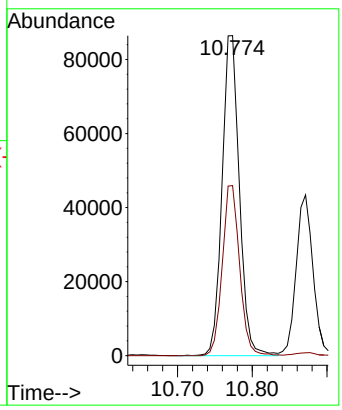
Tgt Ion: 43 Resp: 13954

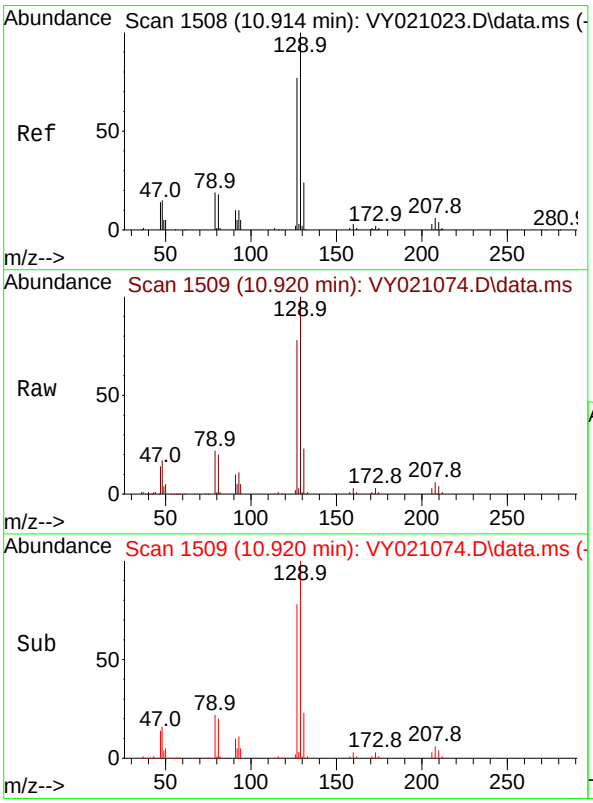
Ion	Ratio	Lower	Upper
43	100		
58	53.3	28.1	84.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

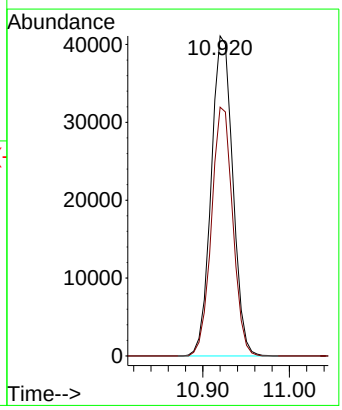


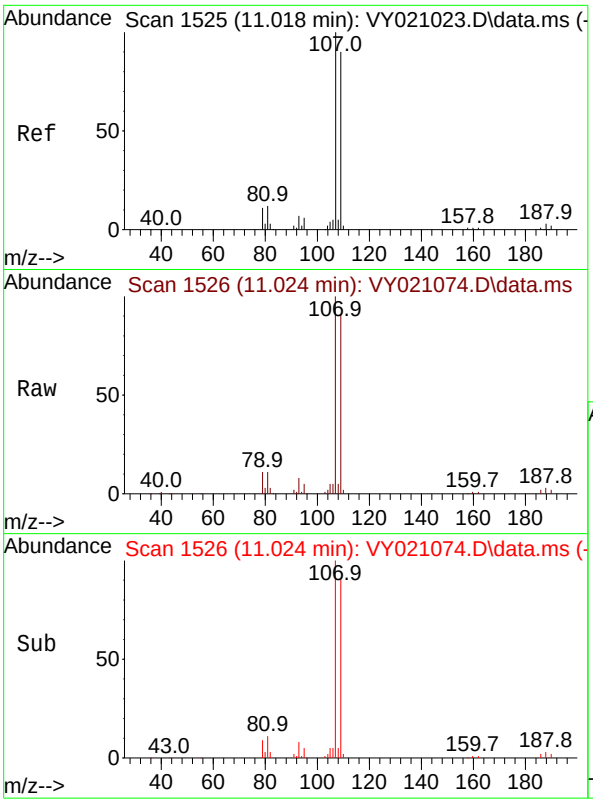


#60
Dibromochloromethane
Concen: 49.451 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:129 Resp: 71209

Ion	Ratio	Lower	Upper
129	100		
127	76.4	39.2	117.6

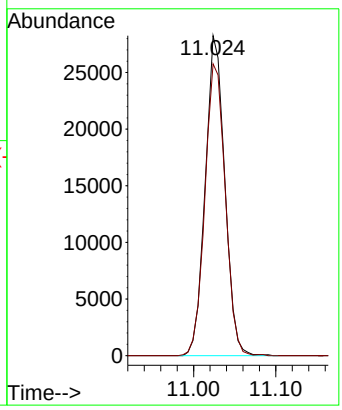




#61
1,2-Dibromoethane
Concen: 48.508 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:107 Resp: 4659

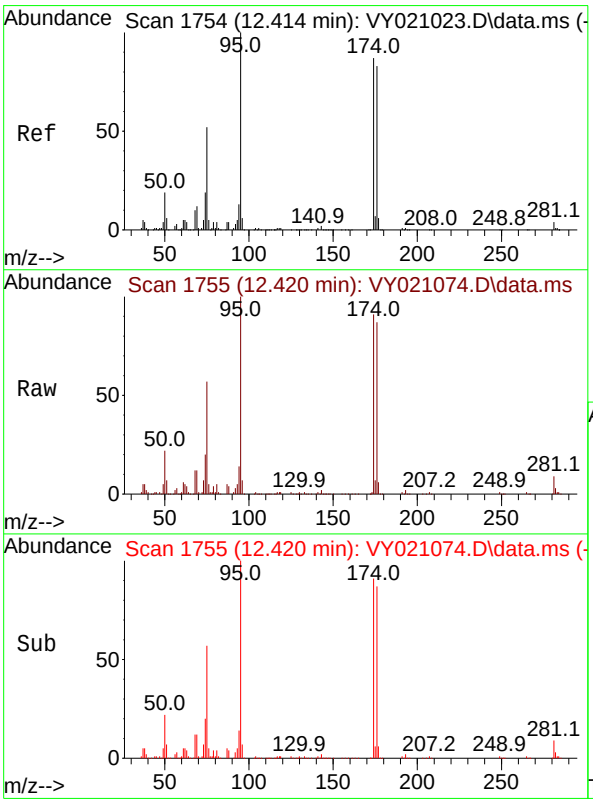
Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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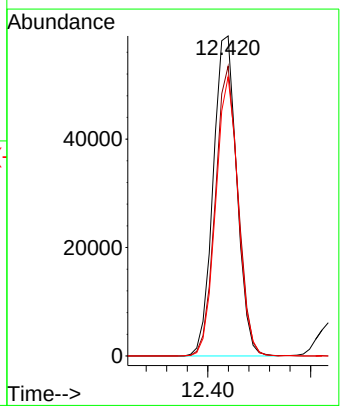
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

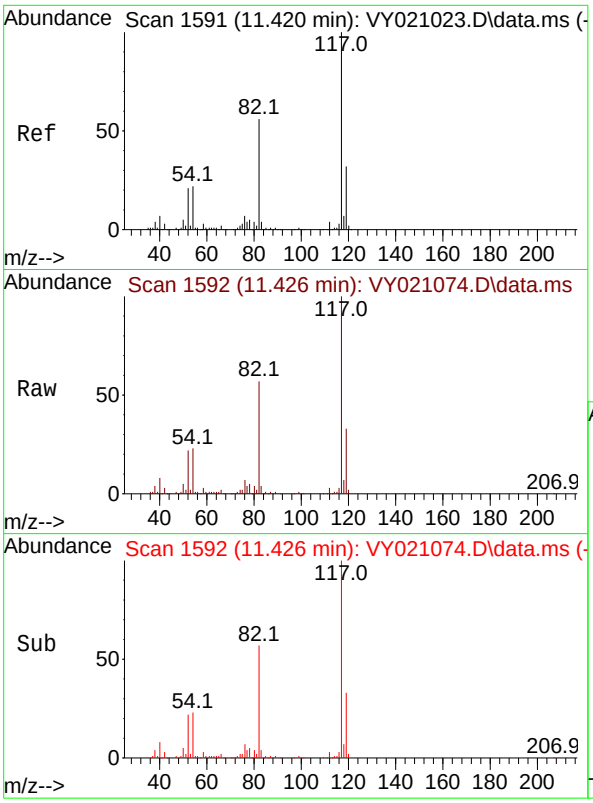


#62
4-Bromofluorobenzene
Concen: 54.536 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 95 Resp: 94025

Ion	Ratio	Lower	Upper
95	100		
174	87.2	0.0	160.0
176	83.2	0.0	151.8

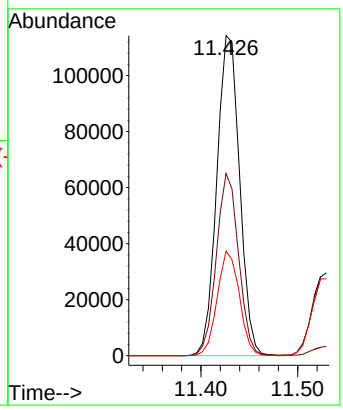




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:117 Resp: 18714

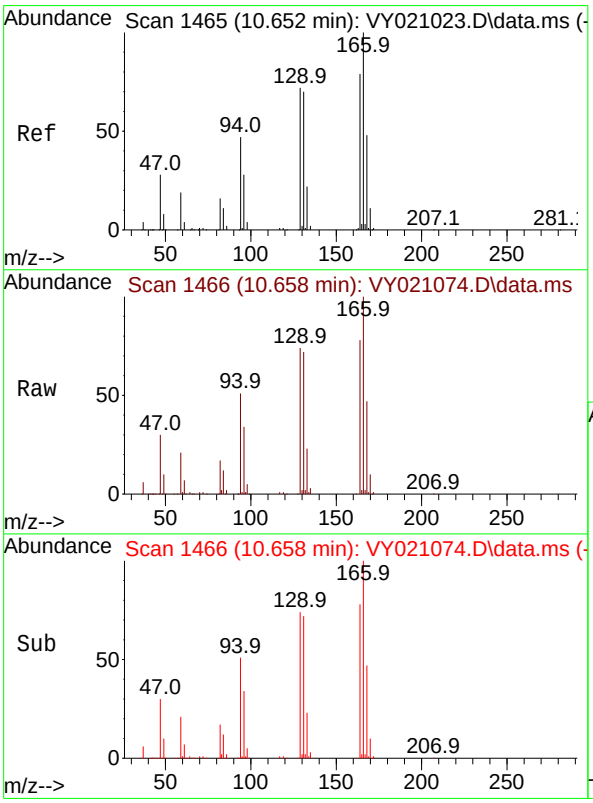
Ion	Ratio	Lower	Upper
117	100		
82	56.9	43.8	65.8
119	32.7	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

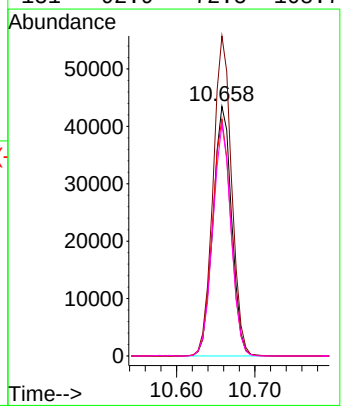
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

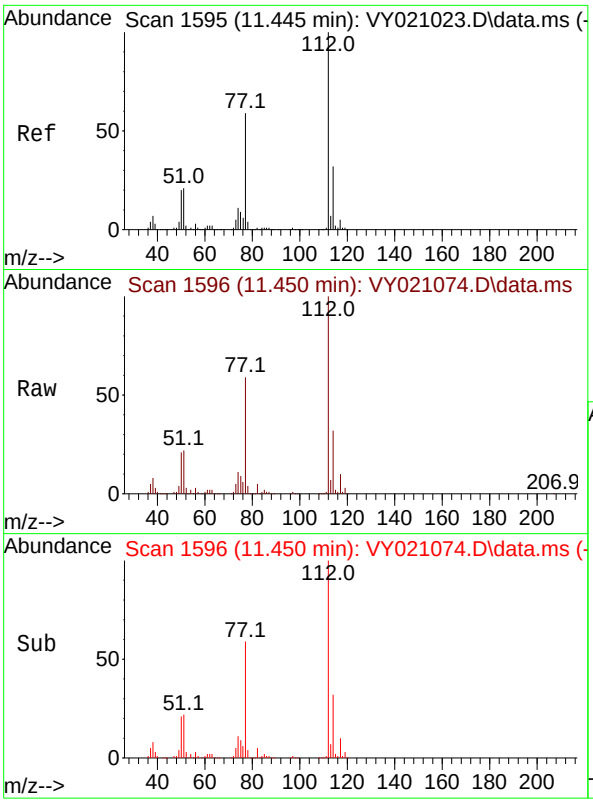


#64
Tetrachloroethene
Concen: 51.828 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:164 Resp: 72004

Ion	Ratio	Lower	Upper
164	100		
166	128.2	98.8	148.2
129	94.9	78.9	118.3
131	92.9	72.5	108.7

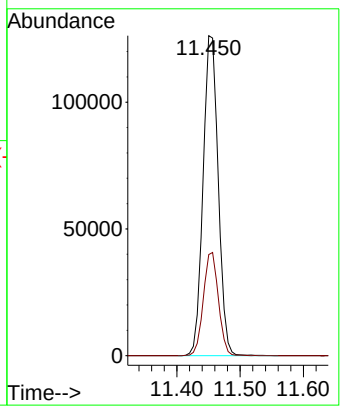




#65
Chlorobenzene
Concen: 50.514 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:112 Resp: 21049

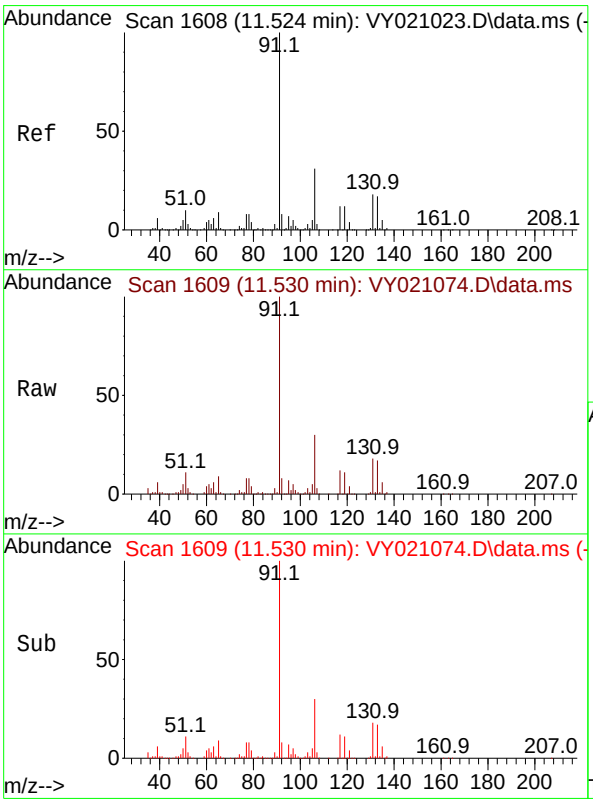
Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

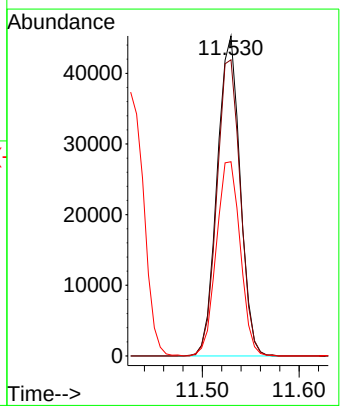
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

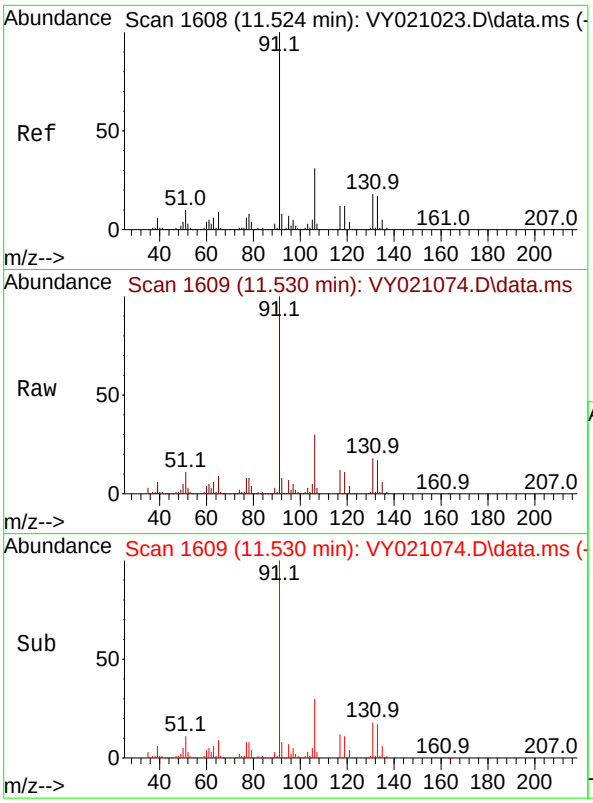


#66
1,1,1,2-Tetrachloroethane
Concen: 50.322 ug/l
RT: 11.530 min Scan# 1609
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:131 Resp: 74521

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.0	141.0
119	63.5	33.3	99.9

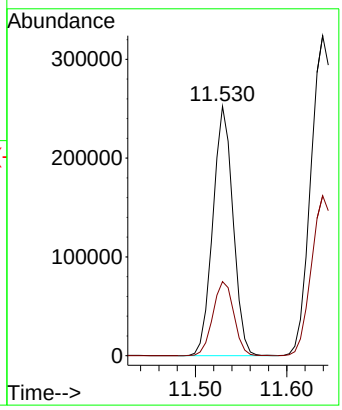




#67
Ethyl Benzene
Concen: 52.499 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 91 Resp: 38694

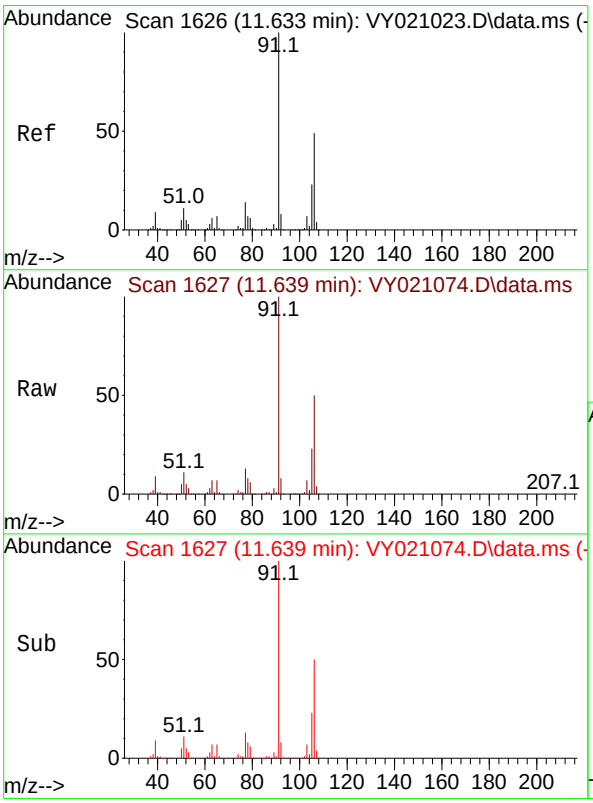
Ion	Ratio	Lower	Upper
91	100		
106	29.7	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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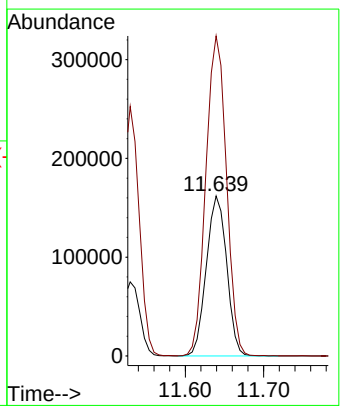
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

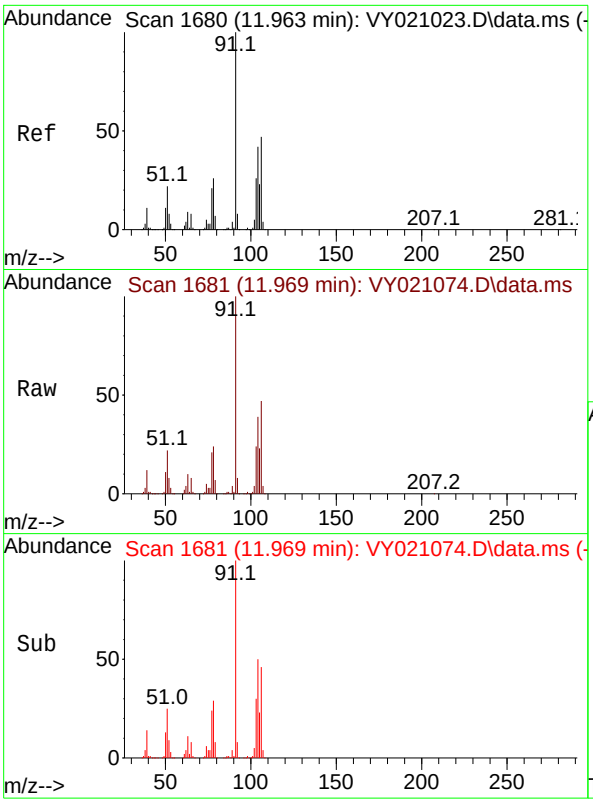


#68
m/p-Xylenes
Concen: 105.959 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:106 Resp: 292165

Ion	Ratio	Lower	Upper
106	100		
91	202.1	160.7	241.1

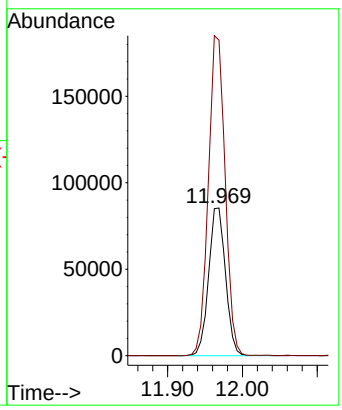




#69
o-Xylene
Concen: 52.233 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:106 Resp: 13427

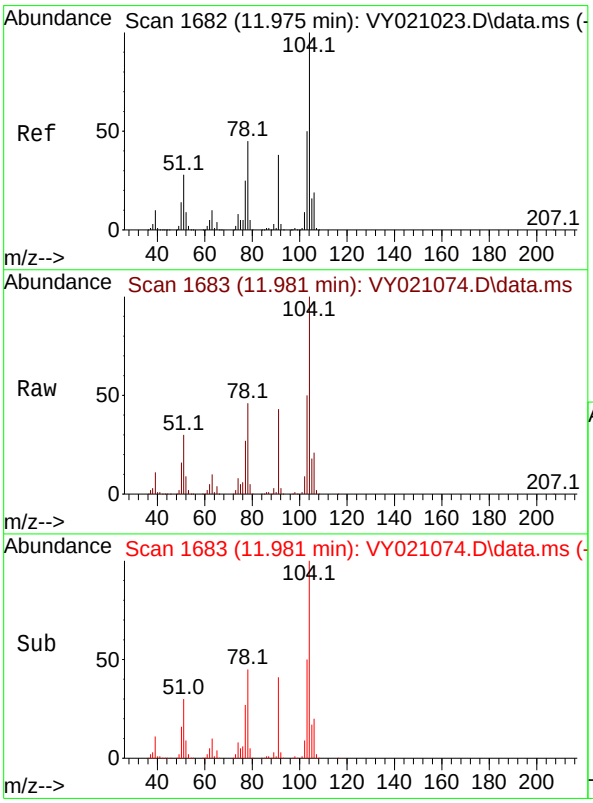
Ion	Ratio	Lower	Upper
106	100		
91	215.4	106.5	319.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

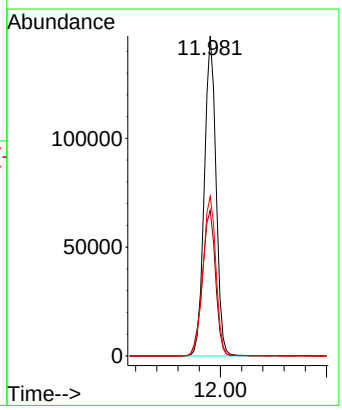
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

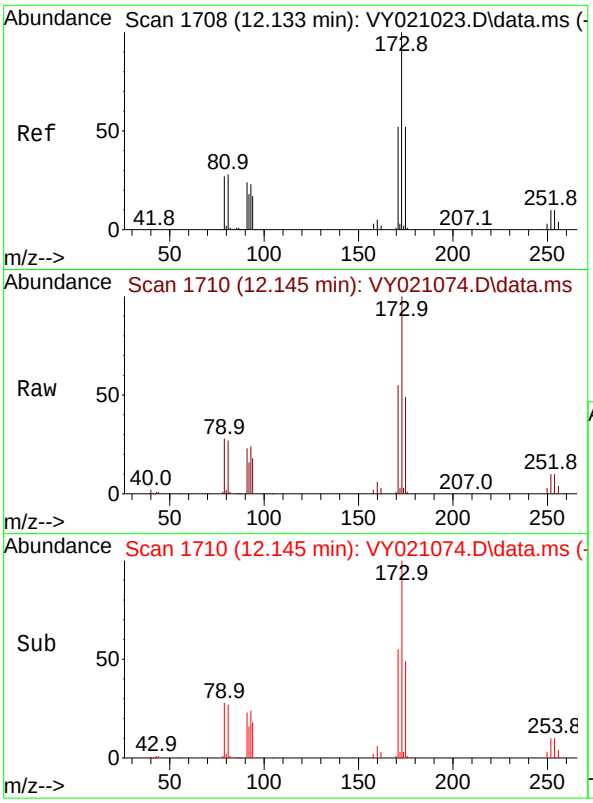


#70
Styrene
Concen: 52.522 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:104 Resp: 225039

Ion	Ratio	Lower	Upper
104	100		
78	51.1	39.2	58.8
103	55.4	43.8	65.6

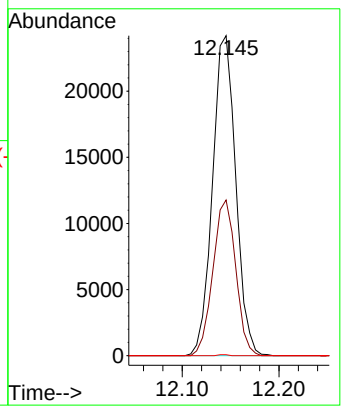




#71
Bromoform
Concen: 48.912 ug/l
RT: 12.145 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:173 Resp: 4031

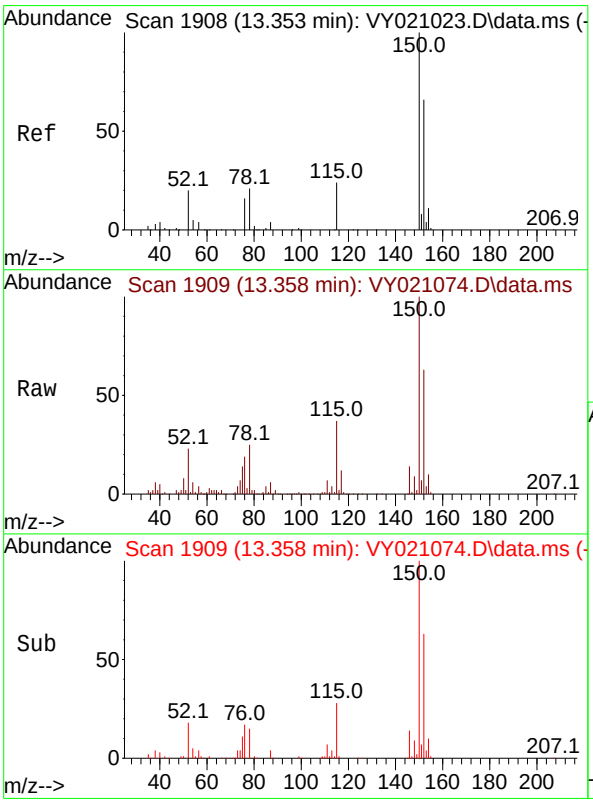
Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

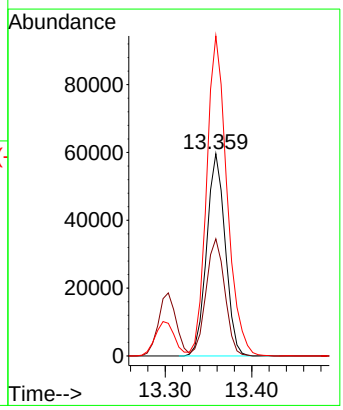
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

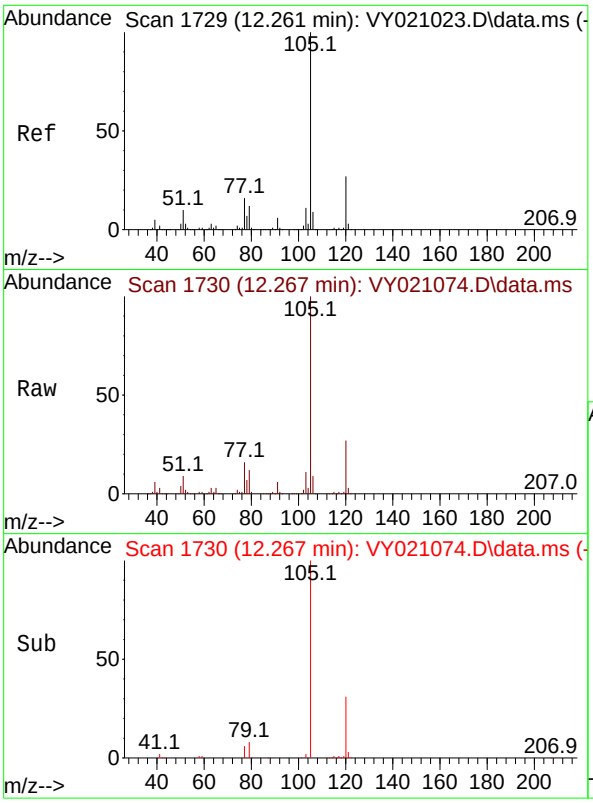


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.358 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:152 Resp: 88650

Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.0	90.0
150	174.0	0.0	344.6

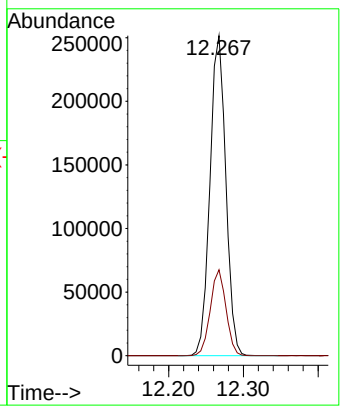




#73
Isopropylbenzene
Concen: 53.535 ug/l
RT: 12.267 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:105 Resp: 37071

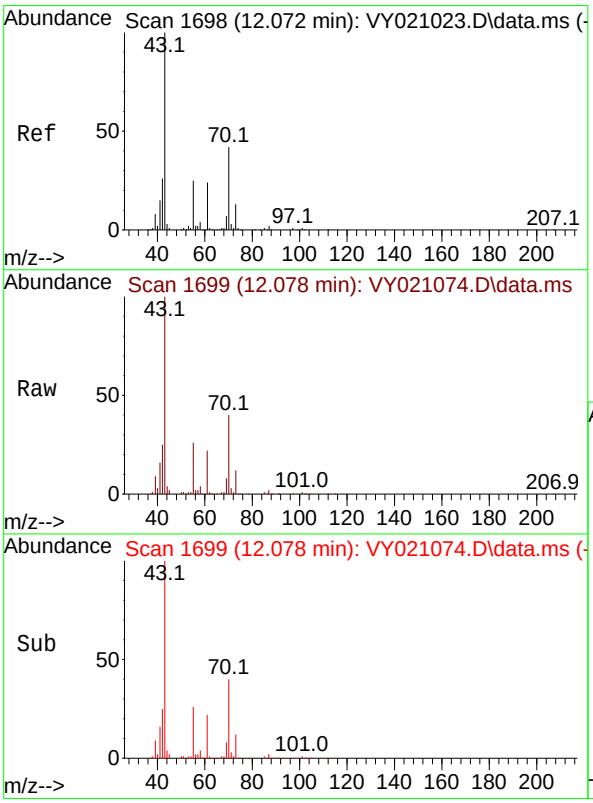
Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

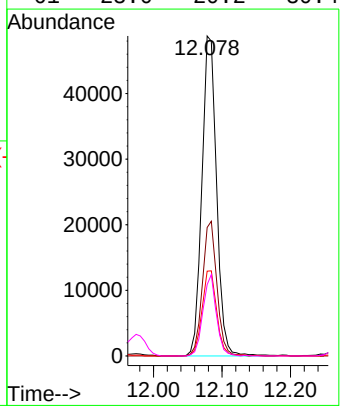
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

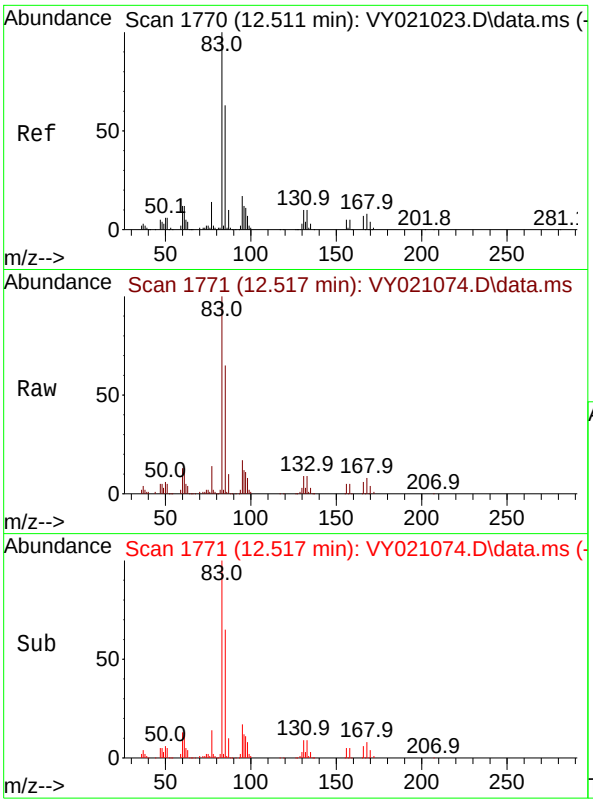


#74
N-amyl acetate
Concen: 48.191 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 43 Resp: 72960

Ion	Ratio	Lower	Upper
43	100		
70	41.3	36.6	55.0
55	26.7	22.2	33.4
61	23.0	20.2	30.4





#75
1,1,2,2-Tetrachloroethane
Concen: 48.002 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

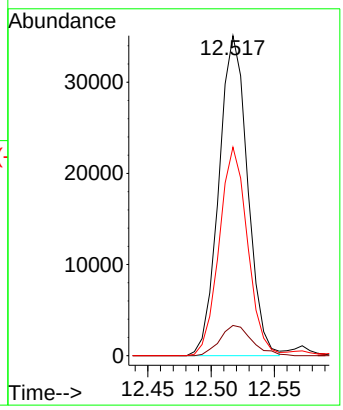
Tgt Ion: 83 Resp: 5528

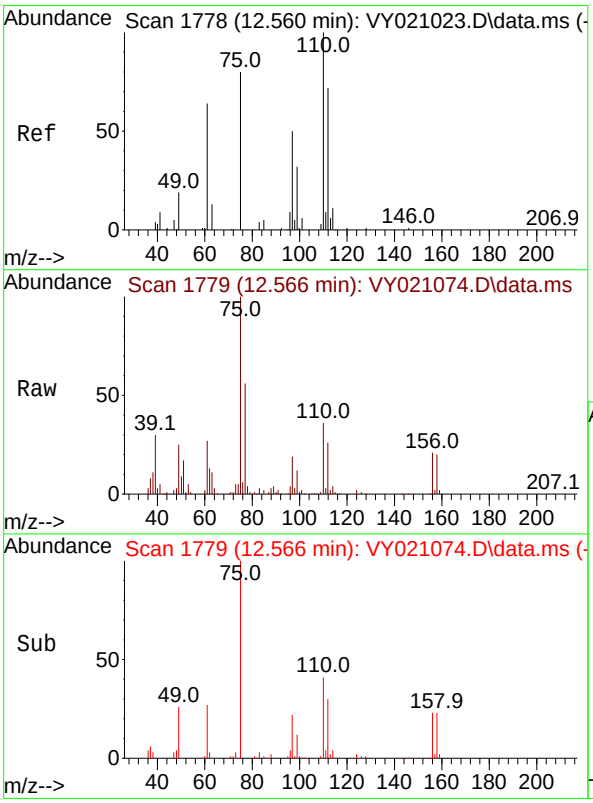
Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.6
85	64.6	32.6	98.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

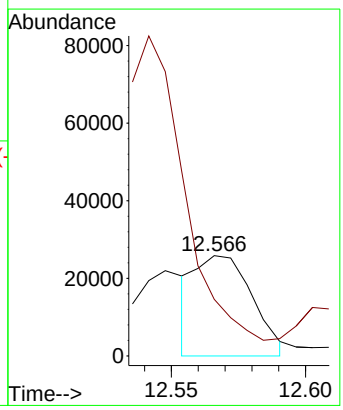


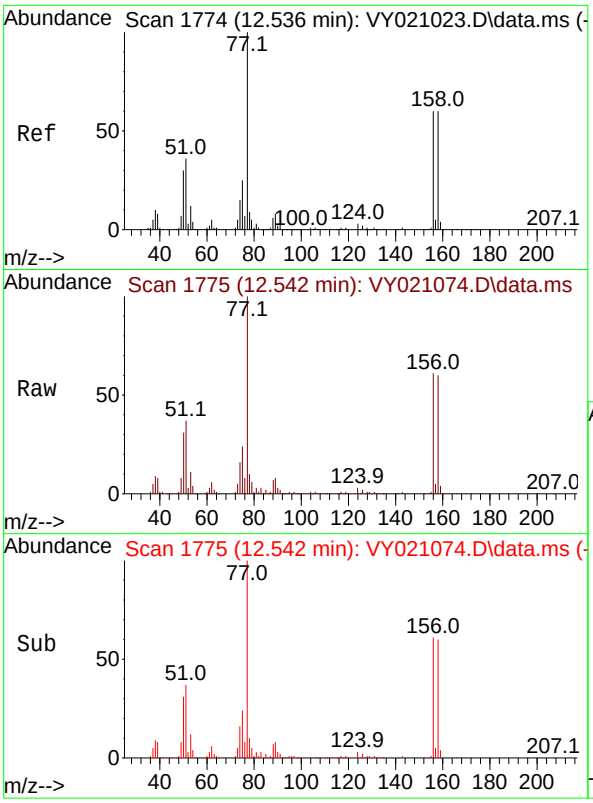


#76
1,2,3-Trichloropropane
Concen: 47.840 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 75 Resp: 38471

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

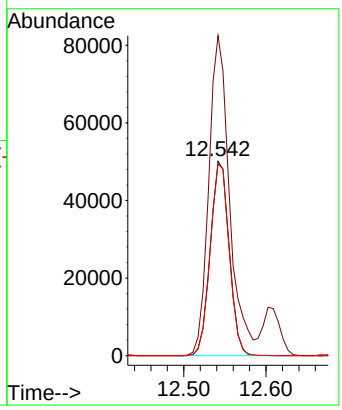




#77
Bromobenzene
Concen: 50.373 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:156 Resp: 8049

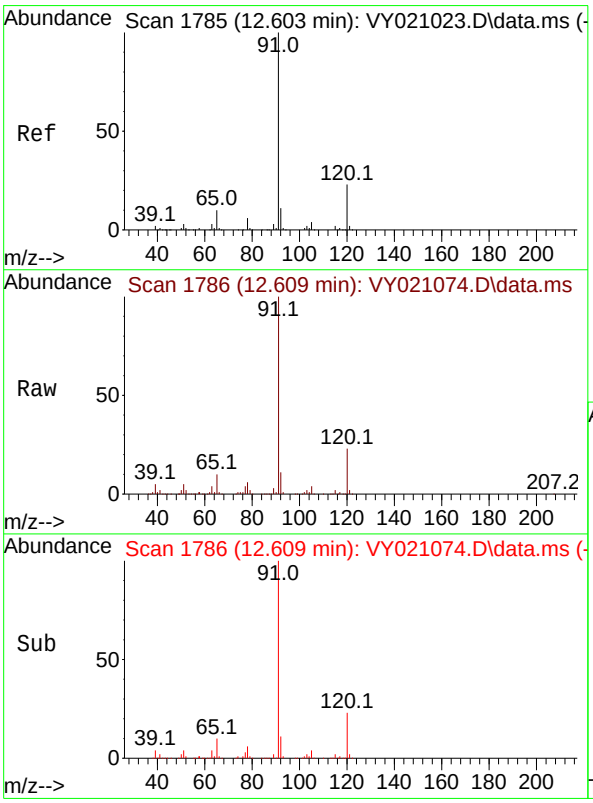
Ion	Ratio	Lower	Upper
156	100		
77	179.4	97.3	291.8
158	98.8	48.4	145.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

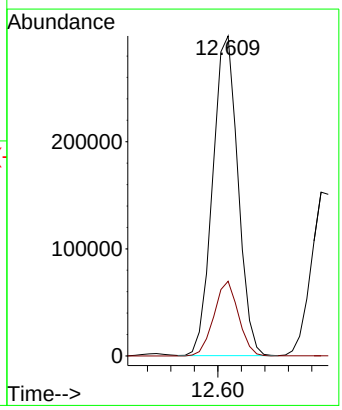
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

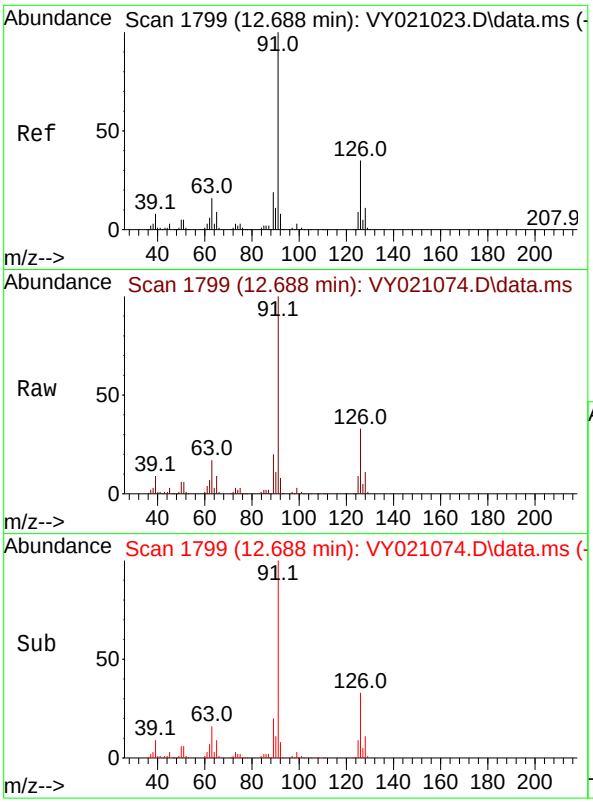


#78
n-propylbenzene
Concen: 53.997 ug/l
RT: 12.609 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 91 Resp: 445428

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.0	33.0





#79
2-Chlorotoluene
Concen: 51.577 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

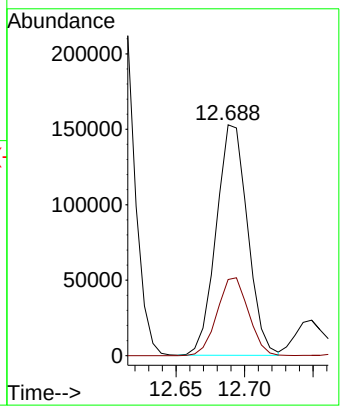
Tgt Ion: 91 Resp: 24368

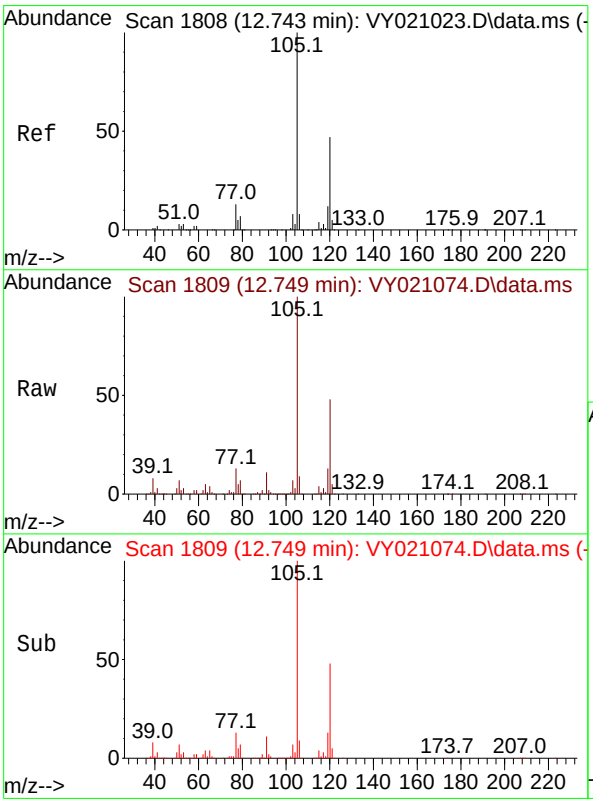
Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

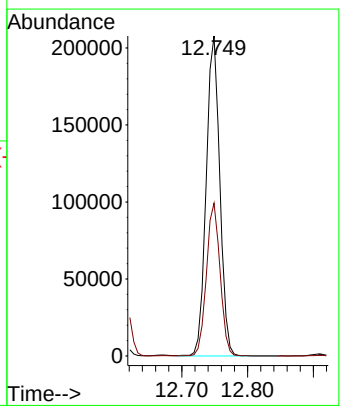


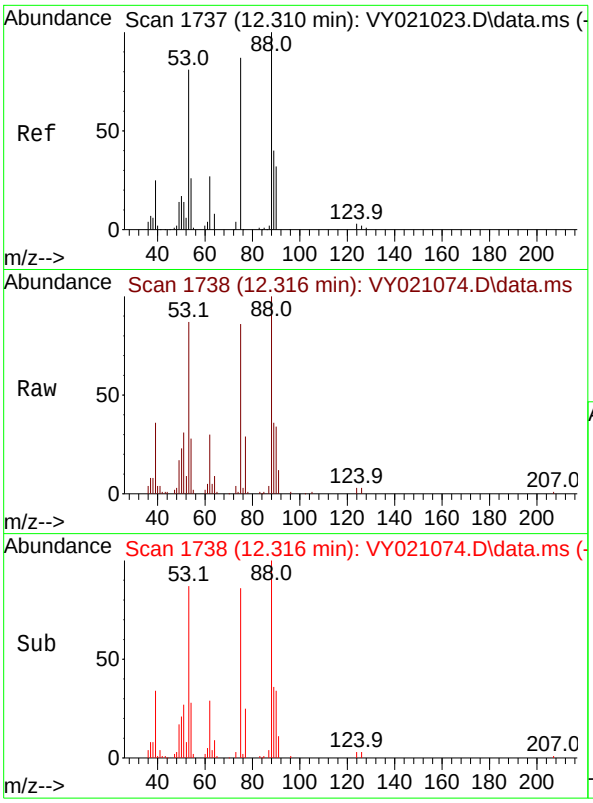


#80
1,3,5-Trimethylbenzene
Concen: 53.252 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:105 Resp: 298980

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.3	72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 47.533 ug/l
RT: 12.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

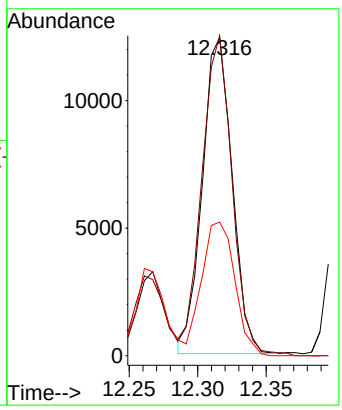
Tgt Ion: 75 Resp: 1873

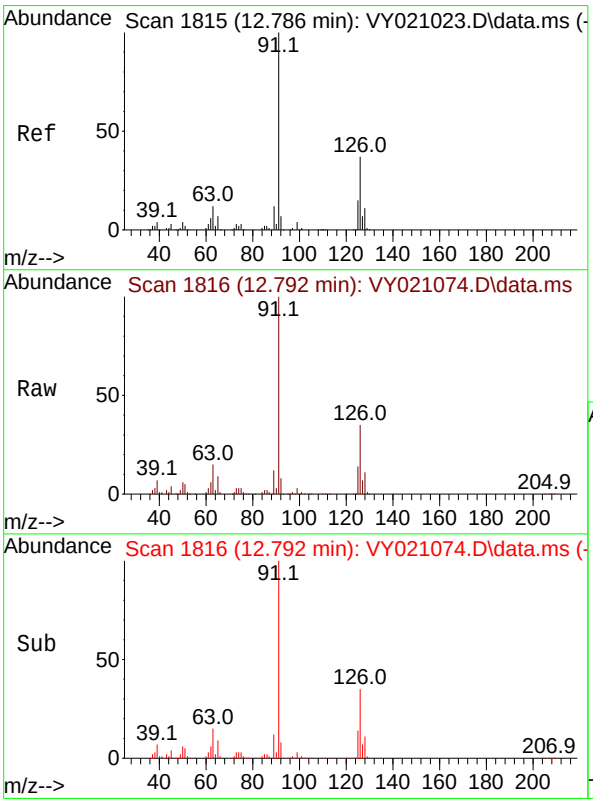
Ion	Ratio	Lower	Upper
75	100		
53	102.8	74.0	111.0
89	46.8	36.5	54.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

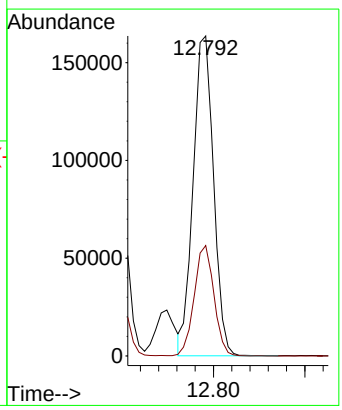


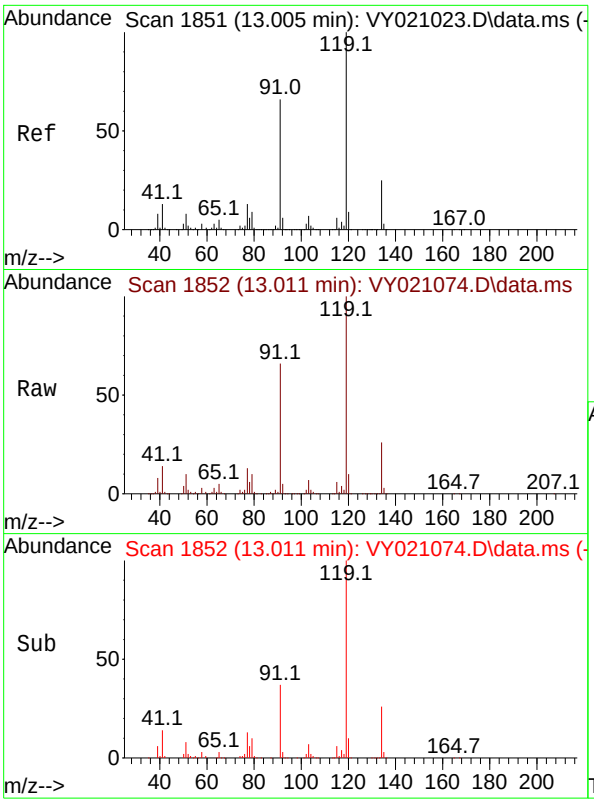


#82
4-Chlorotoluene
Concen: 52.568 ug/l
RT: 12.792 min Scan# 1816
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 91 Resp: 253047

Ion	Ratio	Lower	Upper
91	100		
126	33.5	17.1	51.2

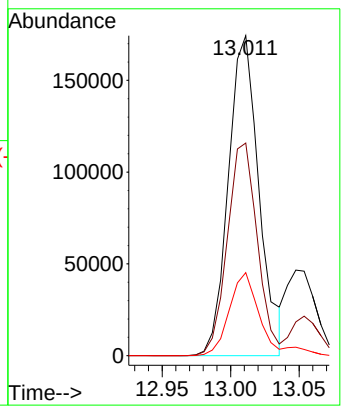




#83
tert-Butylbenzene
Concen: 53.291 ug/l
RT: 13.011 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:119 Resp: 27195

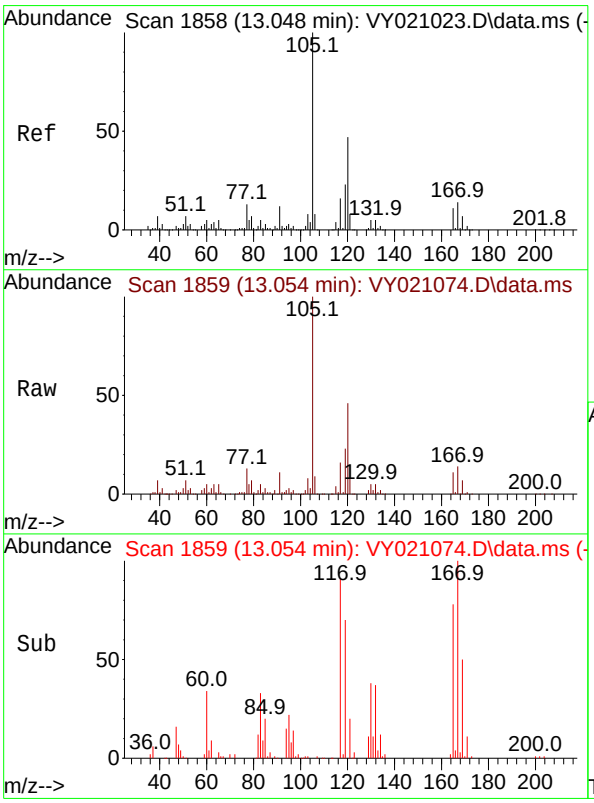
Ion	Ratio	Lower	Upper
119	100		
91	65.2	31.5	94.5
134	26.6	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

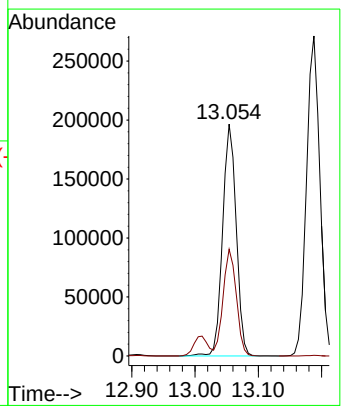
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

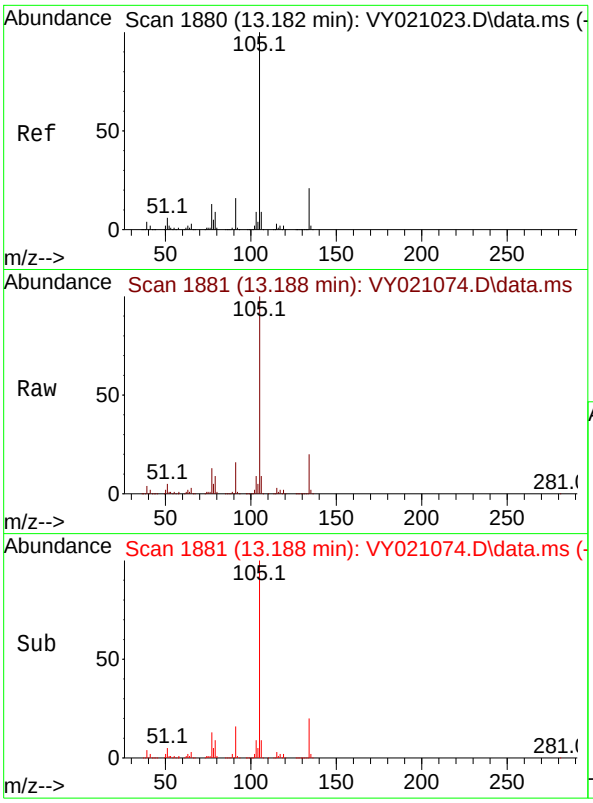


#84
1,2,4-Trimethylbenzene
Concen: 53.264 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:105 Resp: 292400

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.3

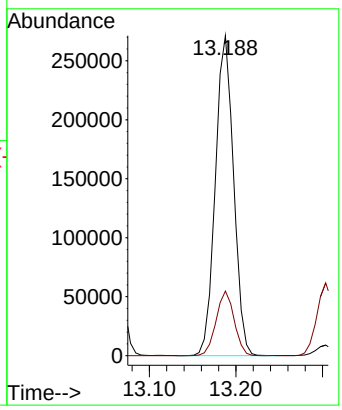




#85
sec-Butylbenzene
Concen: 54.001 ug/l
RT: 13.188 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:105 Resp: 39668

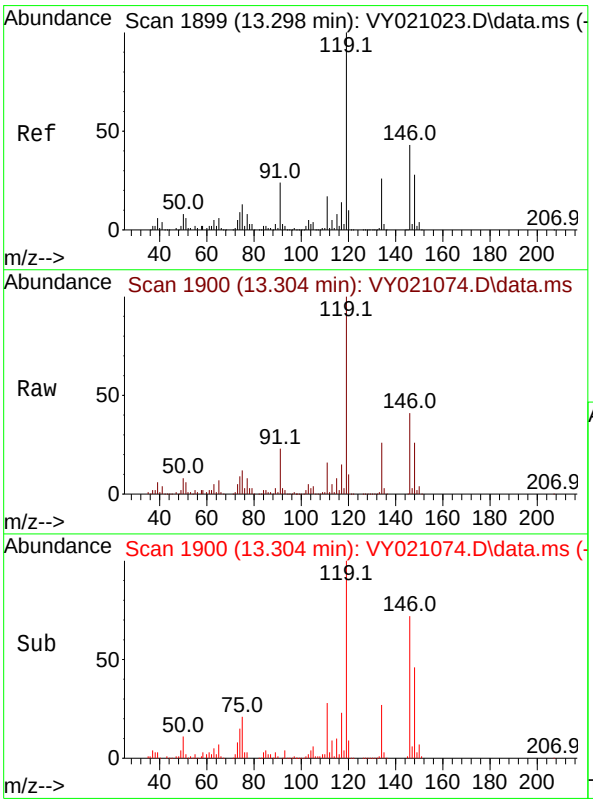
Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

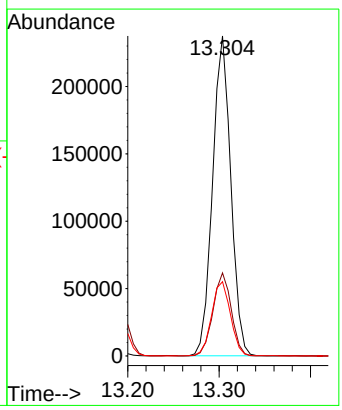
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

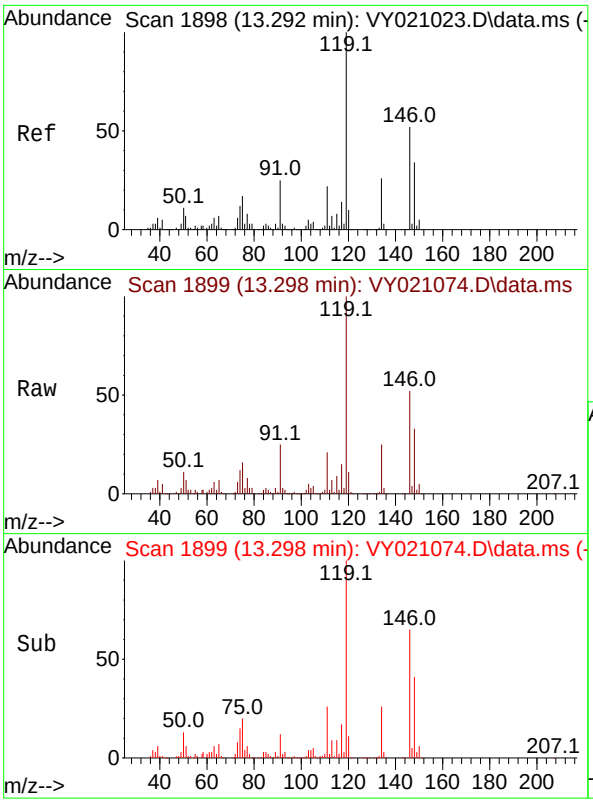


#86
p-Isopropyltoluene
Concen: 53.819 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:119 Resp: 328413

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.1
91	24.0	11.7	35.0

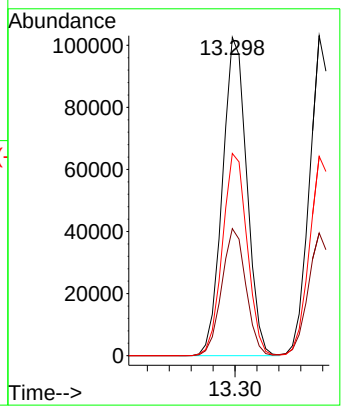




#87
1,3-Dichlorobenzene
Concen: 51.315 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:146 Resp: 15833

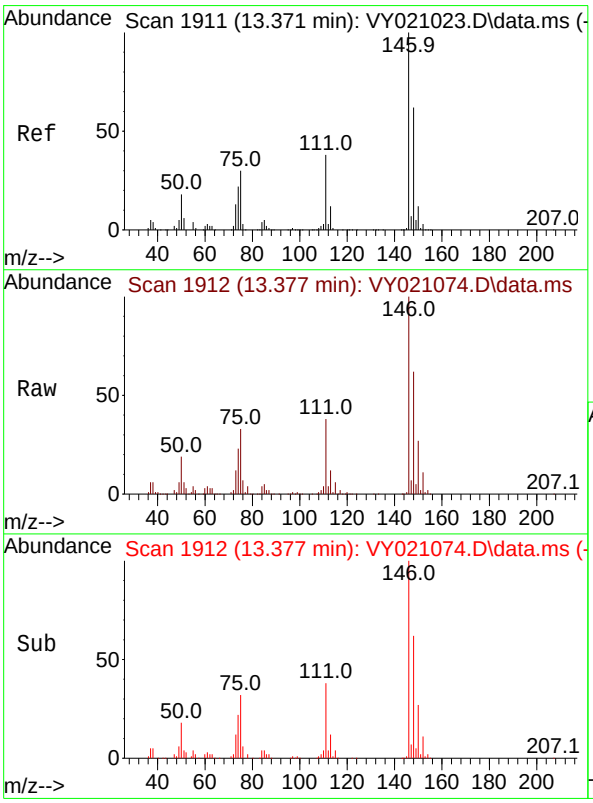
Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.2	60.5
148	64.3	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

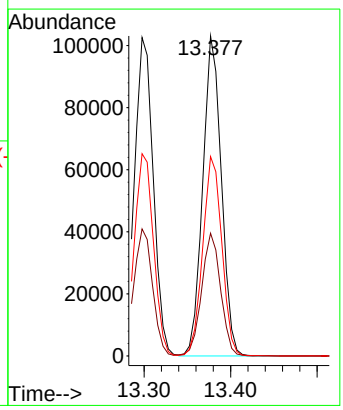
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

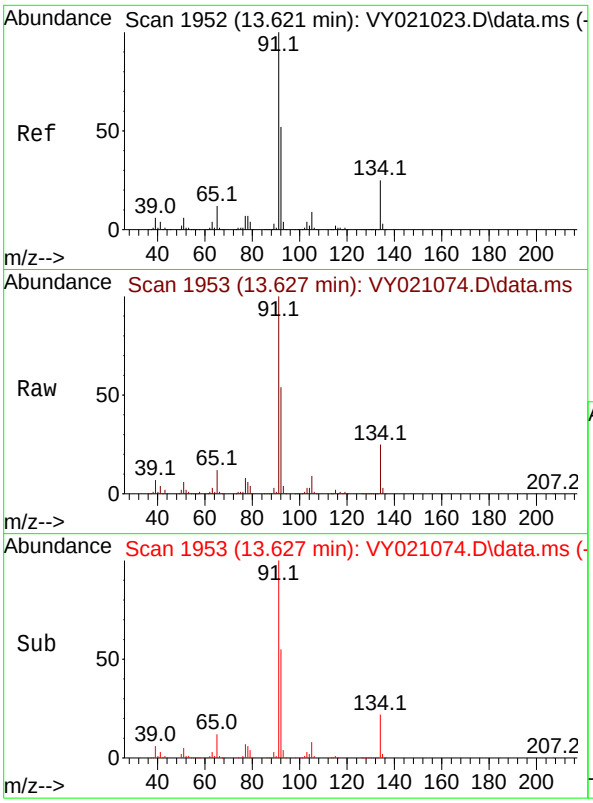


#88
1,4-Dichlorobenzene
Concen: 50.659 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:146 Resp: 153907

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.9
148	64.0	31.6	94.7

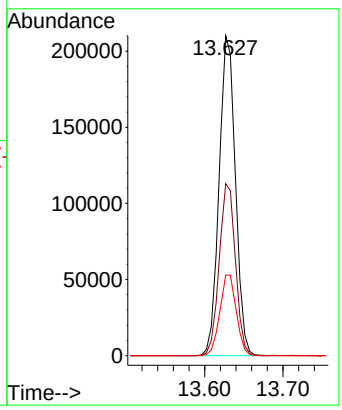




#89
n-Butylbenzene
Concen: 54.807 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 91 Resp: 30510

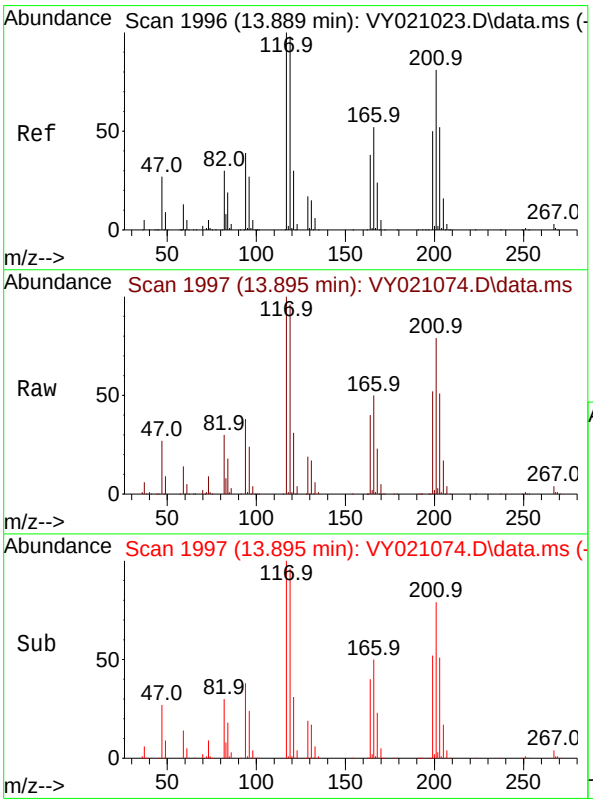
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.4	79.2
134	25.5	12.3	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

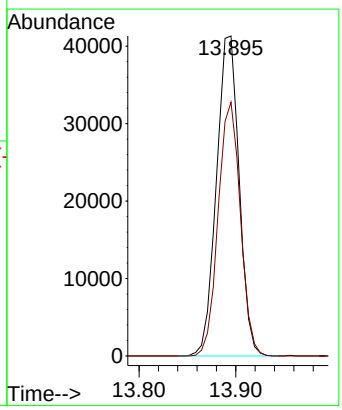
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

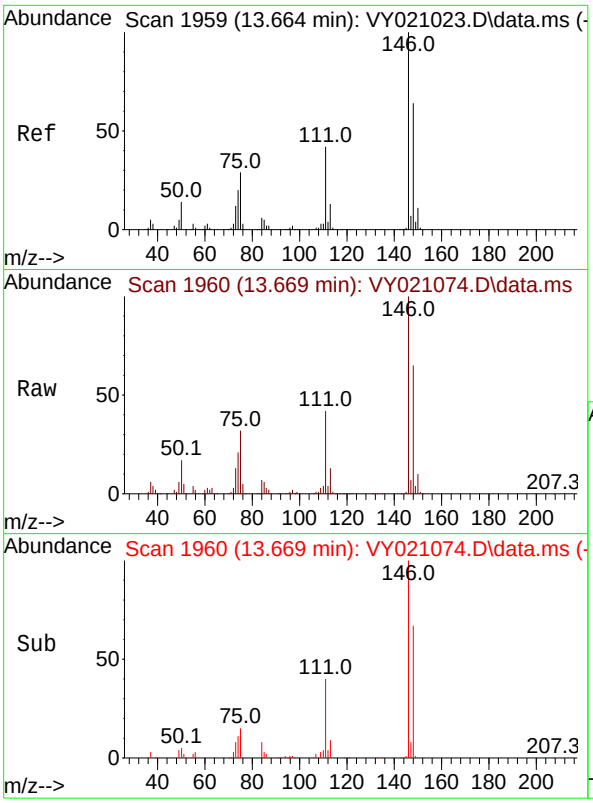


#90
Hexachloroethane
Concen: 52.810 ug/l
RT: 13.895 min Scan# 1997
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:117 Resp: 67228

Ion	Ratio	Lower	Upper
117	100		
201	77.6	33.4	100.1

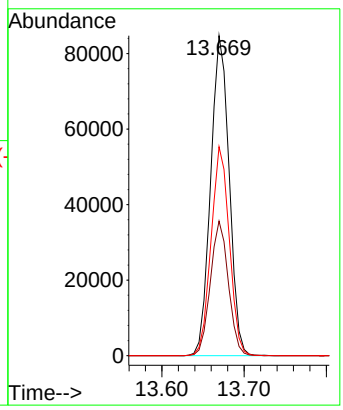




#91
1,2-Dichlorobenzene
Concen: 49.427 ug/l
RT: 13.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:146 Resp: 13236

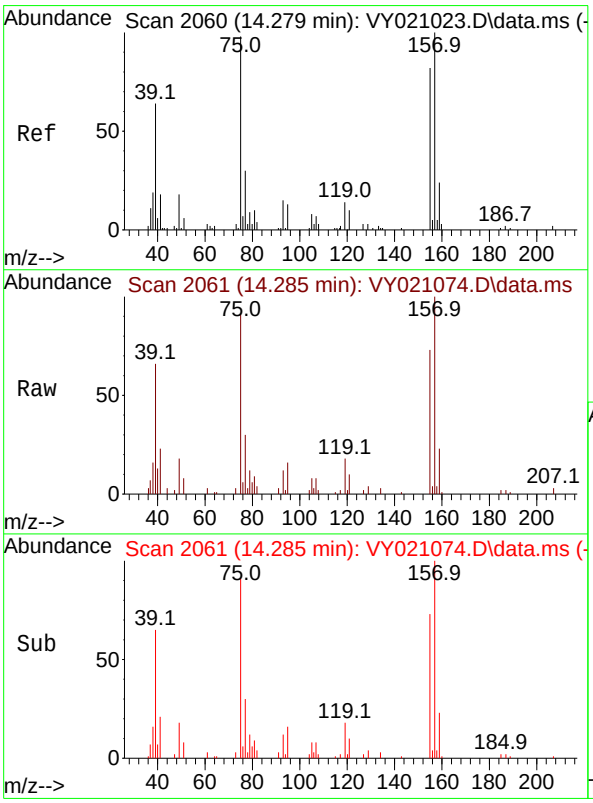
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.6
148	64.5	31.4	94.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

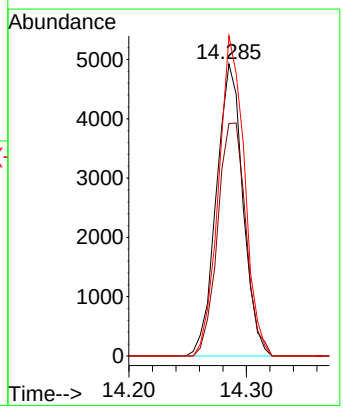
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

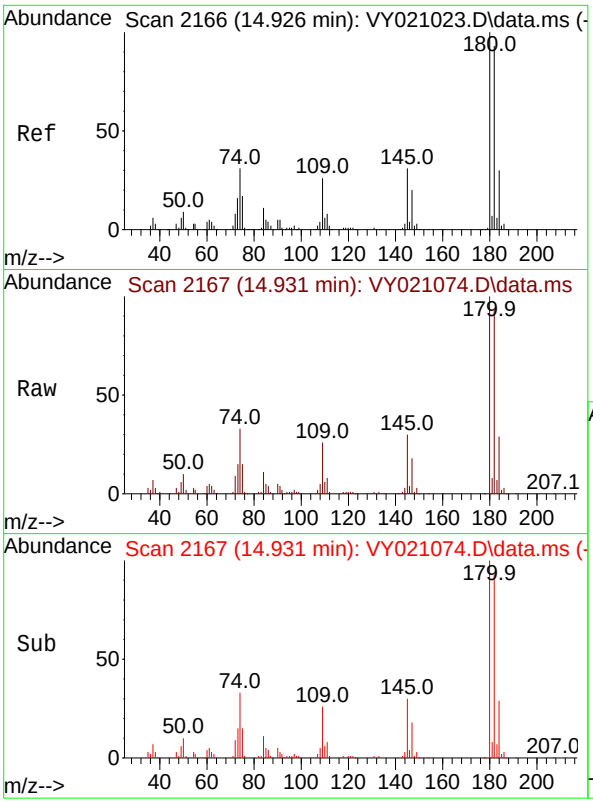


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.049 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion: 75 Resp: 7753

Ion	Ratio	Lower	Upper
75	100		
155	84.1	42.1	126.3
157	106.2	55.8	167.4

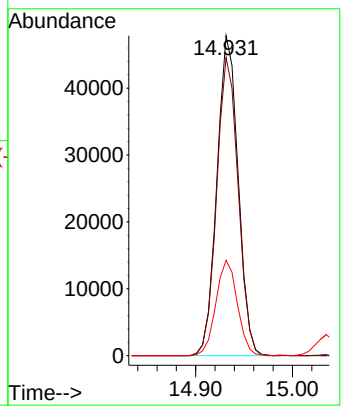




#93
1,2,4-Trichlorobenzene
Concen: 48.834 ug/l
RT: 14.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:180 Resp: 7279

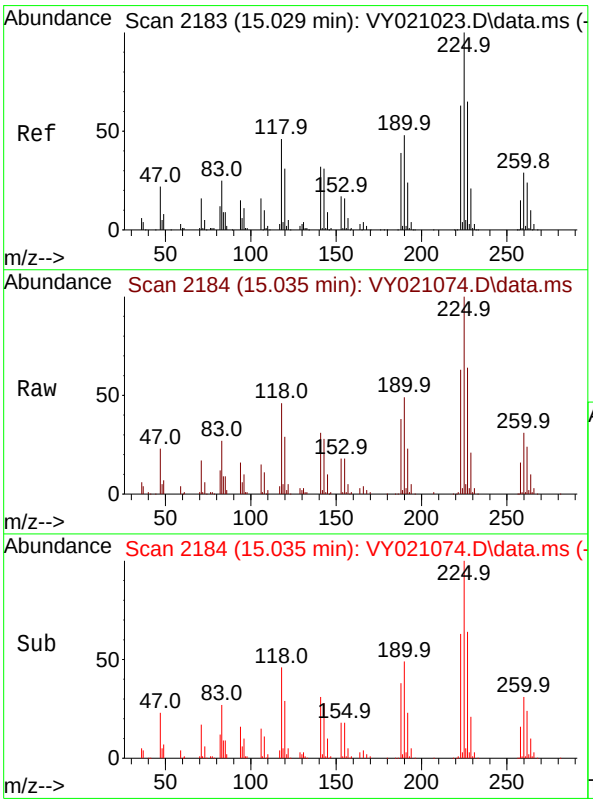
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.7
145	30.1	15.9	47.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

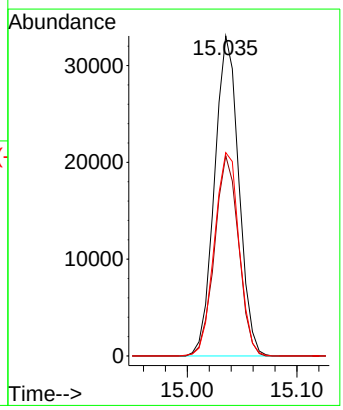
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

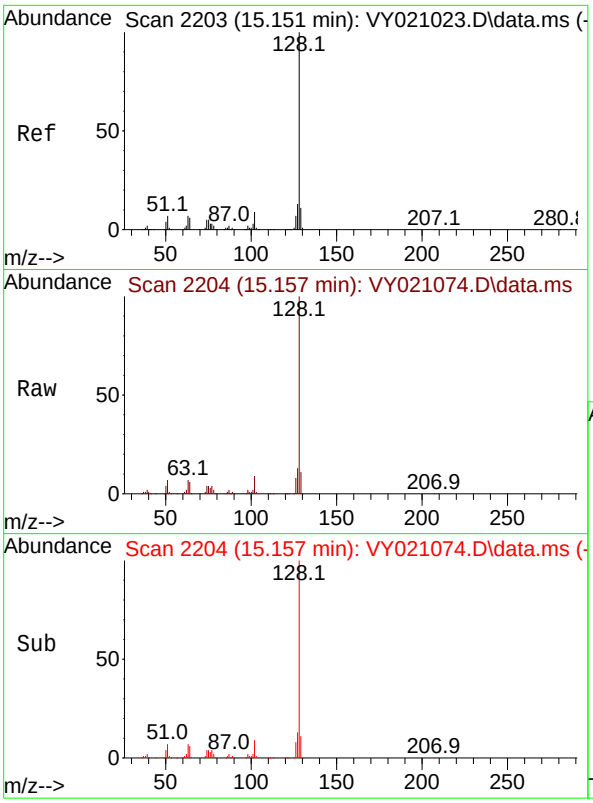


#94
Hexachlorobutadiene
Concen: 51.475 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:225 Resp: 50850

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.4	94.3
227	64.8	32.3	96.8

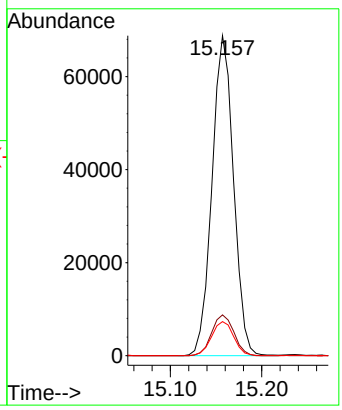




#95
Naphthalene
Concen: 47.139 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:128 Resp: 11242

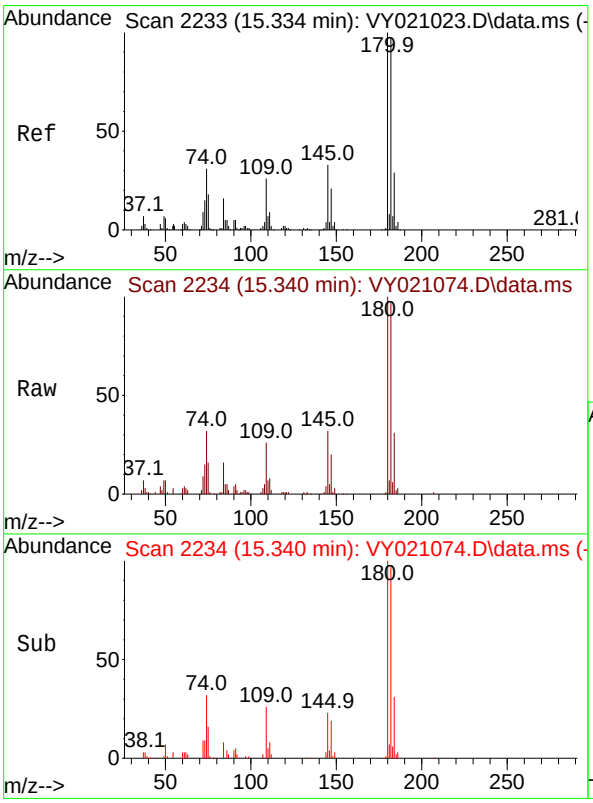
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.0	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

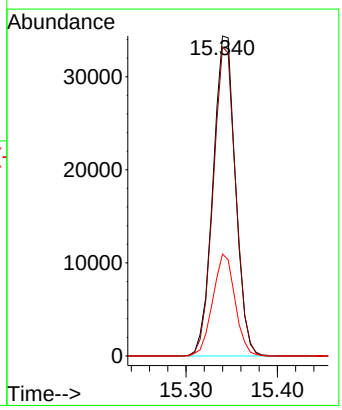
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.174 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021074.D
Acq: 05 Feb 2025 09:16

Tgt Ion:180 Resp: 58522

Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.3	138.8
145	31.7	16.1	48.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021074.D
Acq On : 05 Feb 2025 09:16
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 06 00:24:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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	77	0.01
2	T	Dichlorodifluoromethane	0.446	0.476	-6.7	82	0.00
3	P	Chloromethane	0.440	0.457	-3.9	84	0.00
4	C	Vinyl Chloride	0.443	0.467	-5.4#	85	0.00
5	T	Bromomethane	0.274	0.279	-1.8	83	0.00
6	T	Chloroethane	0.263	0.275	-4.6	83	0.01
7	T	Trichlorofluoromethane	0.806	0.838	-4.0	82	0.00
8	T	Diethyl Ether	0.252	0.236	6.3	75	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.506	0.521	-3.0	81	0.01
10	T	Methyl Iodide	0.562	0.563	-0.2	74	0.01
11	T	Tert butyl alcohol	0.035	0.027	22.9	64	0.00
12	CM	1,1-Dichloroethene	0.477	0.487	-2.1#	80	0.01
13	T	Acrolein	0.053	0.041	22.6	61	0.00
14	T	Allyl chloride	0.803	0.830	-3.4	80	0.01
15	T	Acrylonitrile	0.105	0.099	5.7	72	0.02
16	T	Acetone	0.080	0.080	0.0	79	0.00
17	T	Carbon Disulfide	1.495	1.554	-3.9	81	0.01
18	T	Methyl Acetate	0.280	0.268	4.3	72	0.00
19	T	Methyl tert-butyl Ether	1.205	1.130	6.2	72	0.02
20	T	Methylene Chloride	0.497	0.491	1.2	78	0.02
21	T	trans-1,2-Dichloroethene	0.525	0.539	-2.7	80	0.01
22	T	Diisopropyl ether	1.656	1.710	-3.3	79	0.01
23	T	Vinyl Acetate	0.923	0.925	-0.2	75	0.00
24	P	1,1-Dichloroethane	0.970	0.985	-1.5	80	0.01
25	T	2-Butanone	0.131	0.126	3.8	72	0.00
26	T	2,2-Dichloropropane	0.898	0.927	-3.2	82	0.00
27	T	cis-1,2-Dichloroethene	0.604	0.608	-0.7	78	0.01
28	T	Bromochloromethane	0.384	0.428	-11.5	80	0.01
29	T	Tetrahydrofuran	0.089	0.083	6.7	70	0.01
30	C	Chloroform	0.997	1.005	-0.8#	79	0.01
31	T	Cyclohexane	0.874	0.877	-0.3	82	0.00
32	T	1,1,1-Trichloroethane	0.927	0.955	-3.0	81	0.01
33	S	1,2-Dichloroethane-d4	0.512	0.543	-6.1	83	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
35	S	Dibromofluoromethane	0.320	0.344	-7.5	83	0.00
36	T	1,1-Dichloropropene	0.475	0.493	-3.8	81	0.00
37	T	Ethyl Acetate	0.208	0.198	4.8	71	0.01
38	T	Carbon Tetrachloride	0.555	0.585	-5.4	81	0.01
39	T	Methylcyclohexane	0.581	0.631	-8.6	81	0.00
40	TM	Benzene	1.393	1.446	-3.8	79	0.00
41	T	Methacrylonitrile	0.120	0.128	-6.7	87	0.00
42	TM	1,2-Dichloroethane	0.386	0.383	0.8	77	0.00
43	T	Isopropyl Acetate	0.414	0.395	4.6	71	0.00
44	TM	Trichloroethene	0.360	0.370	-2.8	80	0.00
45	C	1,2-Dichloropropane	0.331	0.342	-3.3#	79	0.00
46	T	Dibromomethane	0.183	0.181	1.1	76	0.00
47	T	Bromodichloromethane	0.491	0.498	-1.4	78	0.00
48	T	Methyl methacrylate	0.188	0.192	-2.1	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021074.D
Acq On : 05 Feb 2025 09:16
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 06 00:24:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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	71	0.01
50	S	Toluene-d8	1.220	1.368	-12.1	86	0.00
51	T	4-Methyl-2-Pentanone	0.208	0.201	3.4	71	0.00
52	CM	Toluene	0.875	0.917	-4.8#	79	0.00
53	T	t-1,3-Dichloropropene	0.441	0.445	-0.9	75	0.00
54	T	cis-1,3-Dichloropropene	0.522	0.531	-1.7	77	0.00
55	T	1,1,2-Trichloroethane	0.237	0.234	1.3	75	0.00
56	T	Ethyl methacrylate	0.317	0.310	2.2	69	0.00
57	T	1,3-Dichloropropane	0.410	0.405	1.2	74	0.00
58	T	2-Chloroethyl Vinyl ether	0.151	0.147	2.6	71	0.00
59	T	2-Hexanone	0.134	0.129	3.7	68	0.00
60	T	Dibromochloromethane	0.333	0.329	1.2	76	0.00
61	T	1,2-Dibromoethane	0.222	0.215	3.2	72	0.00
62	S	4-Bromofluorobenzene	0.399	0.435	-9.0	82	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
64	T	Tetrachloroethene	0.371	0.385	-3.8	80	0.00
65	PM	Chlorobenzene	1.113	1.125	-1.1	78	0.00
66	T	1,1,1,2-Tetrachloroethane	0.396	0.398	-0.5	78	0.00
67	C	Ethyl Benzene	1.969	2.068	-5.0#	80	0.00
68	T	m/p-Xylenes	0.737	0.781	-6.0	80	0.00
69	T	o-Xylene	0.687	0.717	-4.4	79	0.00
70	T	Styrene	1.145	1.202	-5.0	78	0.00
71	P	Bromoform	0.220	0.215	2.3	74	0.01
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	73	0.00
73	T	Isopropylbenzene	3.906	4.182	-7.1	80	0.00
74	T	N-amyl acetate	0.854	0.823	3.6	68	0.00
75	P	1,1,2,2-Tetrachloroethane	0.650	0.624	4.0	72	0.00
76	T	1,2,3-Trichloropropane	0.454	0.434	4.4	69	0.00
77	T	Bromobenzene	0.901	0.908	-0.8	77	0.00
78	T	n-propylbenzene	4.653	5.025	-8.0	80	0.00
79	T	2-Chlorotoluene	2.665	2.749	-3.2	78	0.00
80	T	1,3,5-Trimethylbenzene	3.167	3.373	-6.5	79	0.00
81	T	trans-1,4-Dichloro-2-butene	0.222	0.211	5.0	69	0.00
82	T	4-Chlorotoluene	2.715	2.854	-5.1	80	0.00
83	T	tert-Butylbenzene	2.878	3.068	-6.6	78	0.00
84	T	1,2,4-Trimethylbenzene	3.096	3.298	-6.5	79	0.00
85	T	sec-Butylbenzene	4.143	4.475	-8.0	81	0.00
86	T	p-Isopropyltoluene	3.442	3.705	-7.6	79	0.00
87	T	1,3-Dichlorobenzene	1.740	1.786	-2.6	78	0.00
88	T	1,4-Dichlorobenzene	1.714	1.736	-1.3	76	0.00
89	T	n-Butylbenzene	3.140	3.442	-9.6	80	0.00
90	T	Hexachloroethane	0.718	0.758	-5.6	80	0.00
91	T	1,2-Dichlorobenzene	1.510	1.493	1.1	75	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.097	0.087	10.3	66	0.00
93	T	1,2,4-Trichlorobenzene	0.841	0.821	2.4	69	0.00
94	T	Hexachlorobutadiene	0.557	0.574	-3.1	76	0.00
95	T	Naphthalene	1.345	1.268	5.7	62	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021074.D
Acq On : 05 Feb 2025 09:16
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 06 00:24:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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	0.700	0.660	5.7	66	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021074.D
Acq On : 05 Feb 2025 09:16
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 06 00:24:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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	77	0.01
2	T	Dichlorodifluoromethane	50.000	53.361	-6.7	82	0.00
3	P	Chloromethane	50.000	52.017	-4.0	84	0.00
4	C	Vinyl Chloride	50.000	52.798	-5.6#	85	0.00
5	T	Bromomethane	50.000	51.015	-2.0	83	0.00
6	T	Chloroethane	50.000	52.215	-4.4	83	0.01
7	T	Trichlorofluoromethane	50.000	51.989	-4.0	82	0.00
8	T	Diethyl Ether	50.000	46.877	6.2	75	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.515	-3.0	81	0.01
10	T	Methyl Iodide	50.000	50.081	-0.2	74	0.01
11	T	Tert butyl alcohol	250.000	191.106	23.6	64	0.00
12	CM	1,1-Dichloroethene	50.000	51.109	-2.2#	80	0.01
13	T	Acrolein	250.000	193.581	22.6	61	0.00
14	T	Allyl chloride	50.000	51.625	-3.3	80	0.01
15	T	Acrylonitrile	250.000	236.680	5.3	72	0.02
16	T	Acetone	250.000	249.947	0.0	79	0.00
17	T	Carbon Disulfide	50.000	51.982	-4.0	81	0.01
18	T	Methyl Acetate	50.000	47.793	4.4	72	0.00
19	T	Methyl tert-butyl Ether	50.000	46.872	6.3	72	0.02
20	T	Methylene Chloride	50.000	49.443	1.1	78	0.02
21	T	trans-1,2-Dichloroethene	50.000	51.377	-2.8	80	0.01
22	T	Diisopropyl ether	50.000	51.635	-3.3	79	0.01
23	T	Vinyl Acetate	250.000	250.368	-0.1	75	0.00
24	P	1,1-Dichloroethane	50.000	50.750	-1.5	80	0.01
25	T	2-Butanone	250.000	239.512	4.2	72	0.00
26	T	2,2-Dichloropropane	50.000	51.623	-3.2	82	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.351	-0.7	78	0.01
28	T	Bromochloromethane	50.000	55.745	-11.5	80	0.01
29	T	Tetrahydrofuran	250.000	234.067	6.4	70	0.01
30	C	Chloroform	50.000	50.416	-0.8#	79	0.01
31	T	Cyclohexane	50.000	50.173	-0.3	82	0.00
32	T	1,1,1-Trichloroethane	50.000	51.551	-3.1	81	0.01
33	S	1,2-Dichloroethane-d4	50.000	52.989	-6.0	83	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	76	0.00
35	S	Dibromofluoromethane	50.000	53.752	-7.5	83	0.00
36	T	1,1-Dichloropropene	50.000	51.934	-3.9	81	0.00
37	T	Ethyl Acetate	50.000	47.581	4.8	71	0.01
38	T	Carbon Tetrachloride	50.000	52.784	-5.6	81	0.01
39	T	Methylcyclohexane	50.000	54.317	-8.6	81	0.00
40	TM	Benzene	50.000	51.905	-3.8	79	0.00
41	T	Methacrylonitrile	50.000	53.037	-6.1	87	0.00
42	TM	1,2-Dichloroethane	50.000	49.557	0.9	77	0.00
43	T	Isopropyl Acetate	50.000	47.758	4.5	71	0.00
44	TM	Trichloroethene	50.000	51.373	-2.7	80	0.00
45	C	1,2-Dichloropropane	50.000	51.669	-3.3#	79	0.00
46	T	Dibromomethane	50.000	49.344	1.3	76	0.00
47	T	Bromodichloromethane	50.000	50.721	-1.4	78	0.00
48	T	Methyl methacrylate	50.000	50.915	-1.8	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021074.D
Acq On : 05 Feb 2025 09:16
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 06 00:24:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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	968.327	3.2	71	0.01
50	S	Toluene-d8	50.000	56.072	-12.1	86	0.00
51	T	4-Methyl-2-Pentanone	250.000	241.887	3.2	71	0.00
52	CM	Toluene	50.000	52.445	-4.9#	79	0.00
53	T	t-1,3-Dichloropropene	50.000	50.444	-0.9	75	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.914	-1.8	77	0.00
55	T	1,1,2-Trichloroethane	50.000	49.430	1.1	75	0.00
56	T	Ethyl methacrylate	50.000	48.836	2.3	69	0.00
57	T	1,3-Dichloropropane	50.000	49.359	1.3	74	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	243.329	2.7	71	0.00
59	T	2-Hexanone	250.000	240.804	3.7	68	0.00
60	T	Dibromochloromethane	50.000	49.451	1.1	76	0.00
61	T	1,2-Dibromoethane	50.000	48.508	3.0	72	0.00
62	S	4-Bromofluorobenzene	50.000	54.536	-9.1	82	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	75	0.00
64	T	Tetrachloroethene	50.000	51.828	-3.7	80	0.00
65	PM	Chlorobenzene	50.000	50.514	-1.0	78	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.322	-0.6	78	0.00
67	C	Ethyl Benzene	50.000	52.499	-5.0#	80	0.00
68	T	m/p-Xylenes	100.000	105.959	-6.0	80	0.00
69	T	o-Xylene	50.000	52.233	-4.5	79	0.00
70	T	Styrene	50.000	52.522	-5.0	78	0.00
71	P	Bromoform	50.000	48.912	2.2	74	0.01
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	73	0.00
73	T	Isopropylbenzene	50.000	53.535	-7.1	80	0.00
74	T	N-amyl acetate	50.000	48.191	3.6	68	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.002	4.0	72	0.00
76	T	1,2,3-Trichloropropane	50.000	47.840	4.3	69	0.00
77	T	Bromobenzene	50.000	50.373	-0.7	77	0.00
78	T	n-propylbenzene	50.000	53.997	-8.0	80	0.00
79	T	2-Chlorotoluene	50.000	51.577	-3.2	78	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.252	-6.5	79	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.533	4.9	69	0.00
82	T	4-Chlorotoluene	50.000	52.568	-5.1	80	0.00
83	T	tert-Butylbenzene	50.000	53.291	-6.6	78	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.264	-6.5	79	0.00
85	T	sec-Butylbenzene	50.000	54.001	-8.0	81	0.00
86	T	p-Isopropyltoluene	50.000	53.819	-7.6	79	0.00
87	T	1,3-Dichlorobenzene	50.000	51.315	-2.6	78	0.00
88	T	1,4-Dichlorobenzene	50.000	50.659	-1.3	76	0.00
89	T	n-Butylbenzene	50.000	54.807	-9.6	80	0.00
90	T	Hexachloroethane	50.000	52.810	-5.6	80	0.00
91	T	1,2-Dichlorobenzene	50.000	49.427	1.1	75	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.049	9.9	66	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.834	2.3	69	0.00
94	T	Hexachlorobutadiene	50.000	51.475	-3.0	76	0.00
95	T	Naphthalene	50.000	47.139	5.7	62	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021074.D
Acq On : 05 Feb 2025 09:16
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 06 00:24:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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	47.174	5.7	66	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

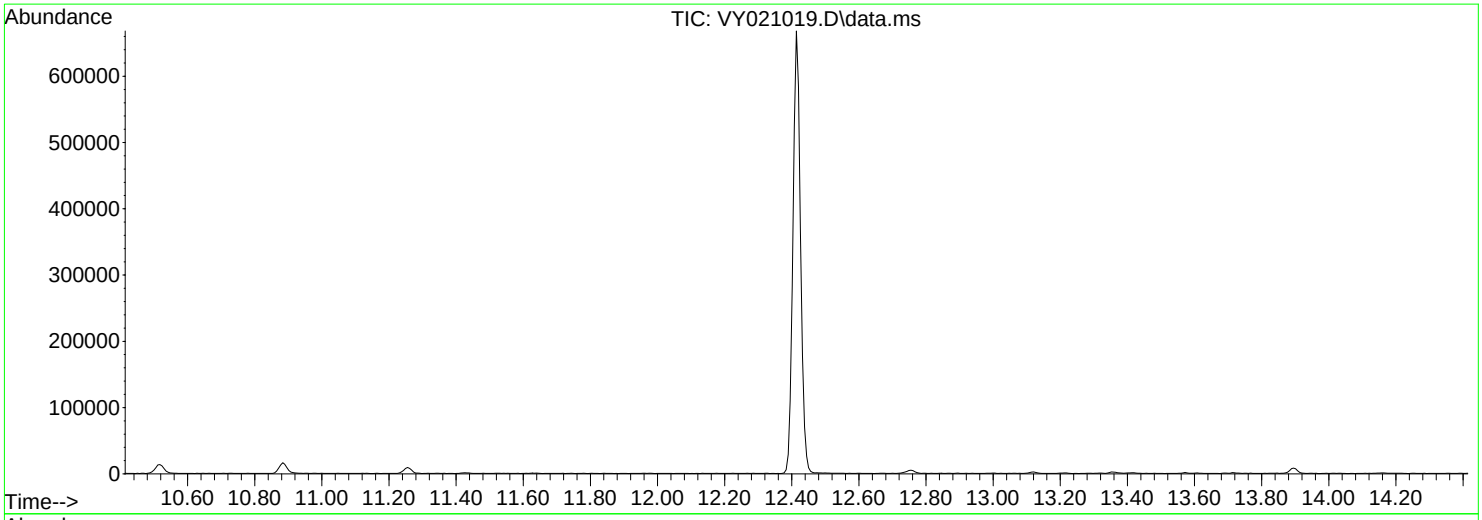
QC SAMPLE DATA

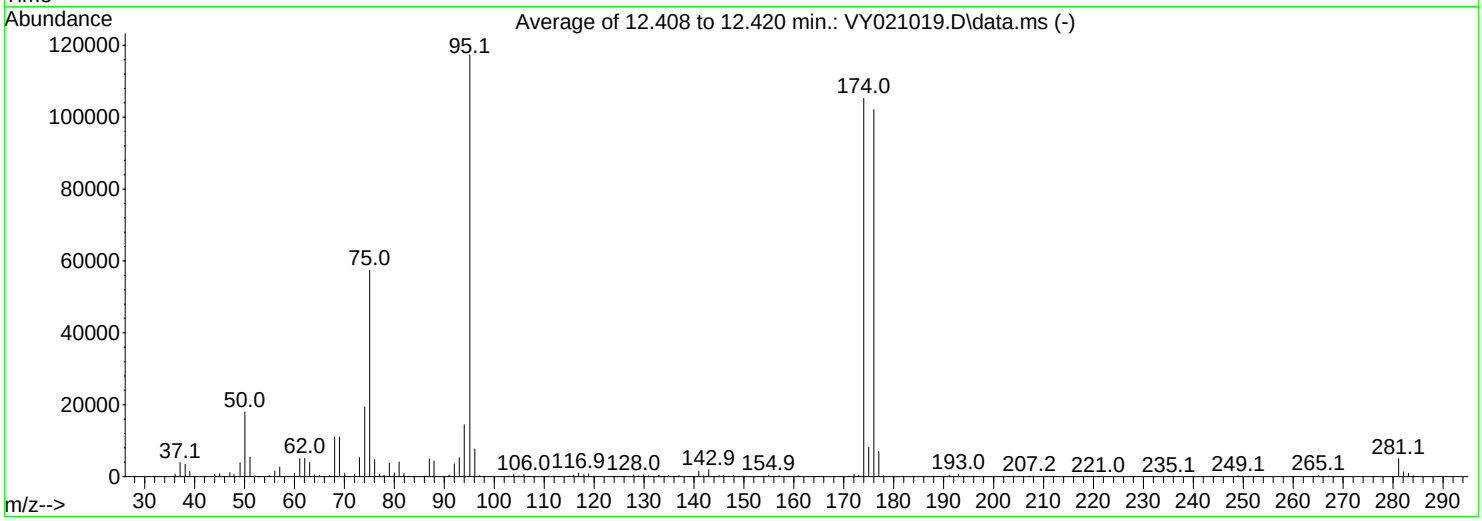
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021019.D
Acq On : 03 Feb 2025 09:51
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Title : SW846 8260
Last Update : Mon Feb 03 13:08:38 2025





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

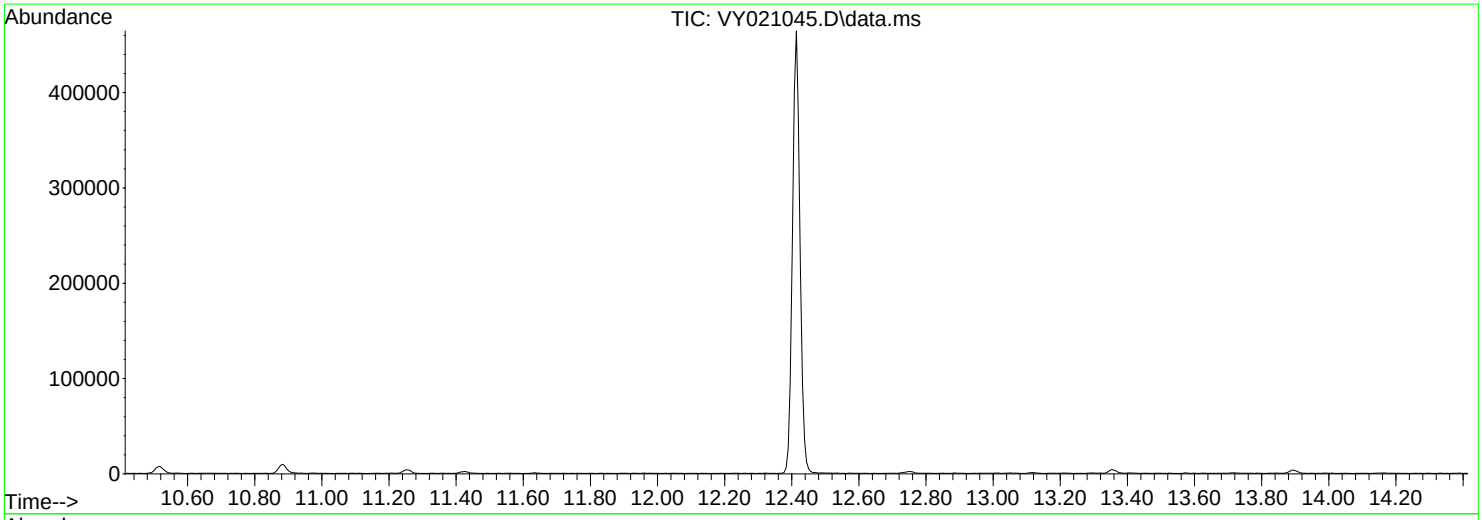
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.3	17983	PASS
75	95	30	60	49.0	57469	PASS
95	95	100	100	100.0	117333	PASS
96	95	5	9	6.6	7767	PASS
173	174	0.00	2	0.4	390	PASS
174	95	50	100	89.7	105227	PASS
175	174	5	9	7.8	8179	PASS
176	174	95	101	97.0	102091	PASS
177	176	5	9	6.8	6972	PASS

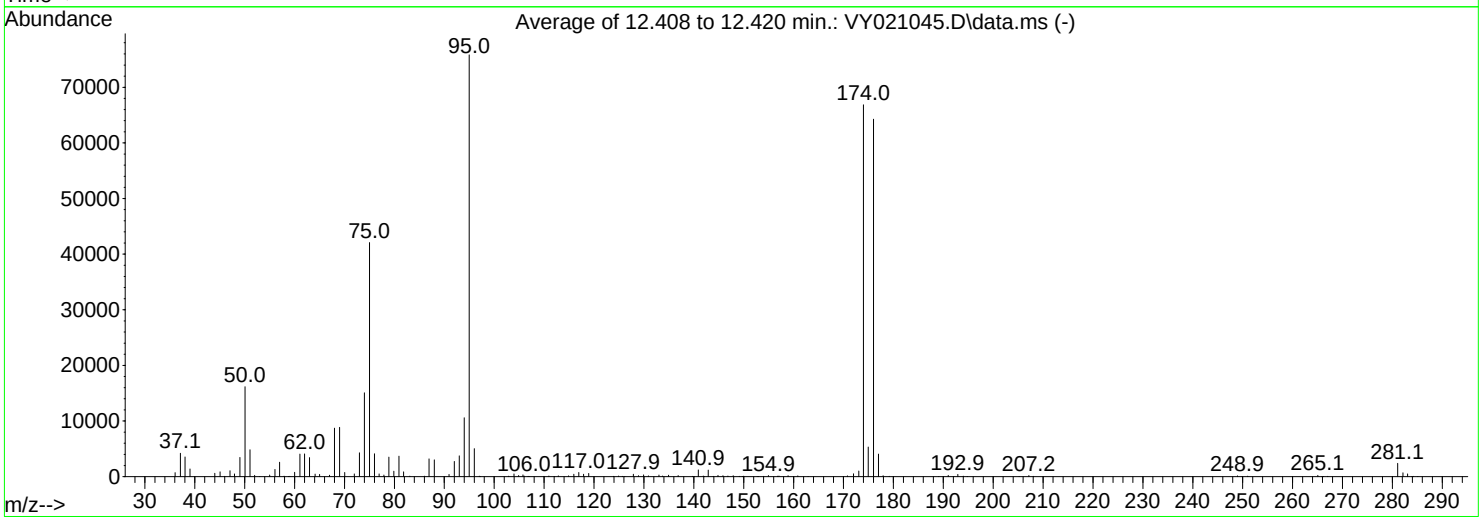
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021045.D
Acq On : 04 Feb 2025 09:16
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Title : SW846 8260
Last Update : Mon Feb 03 13:08:38 2025





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

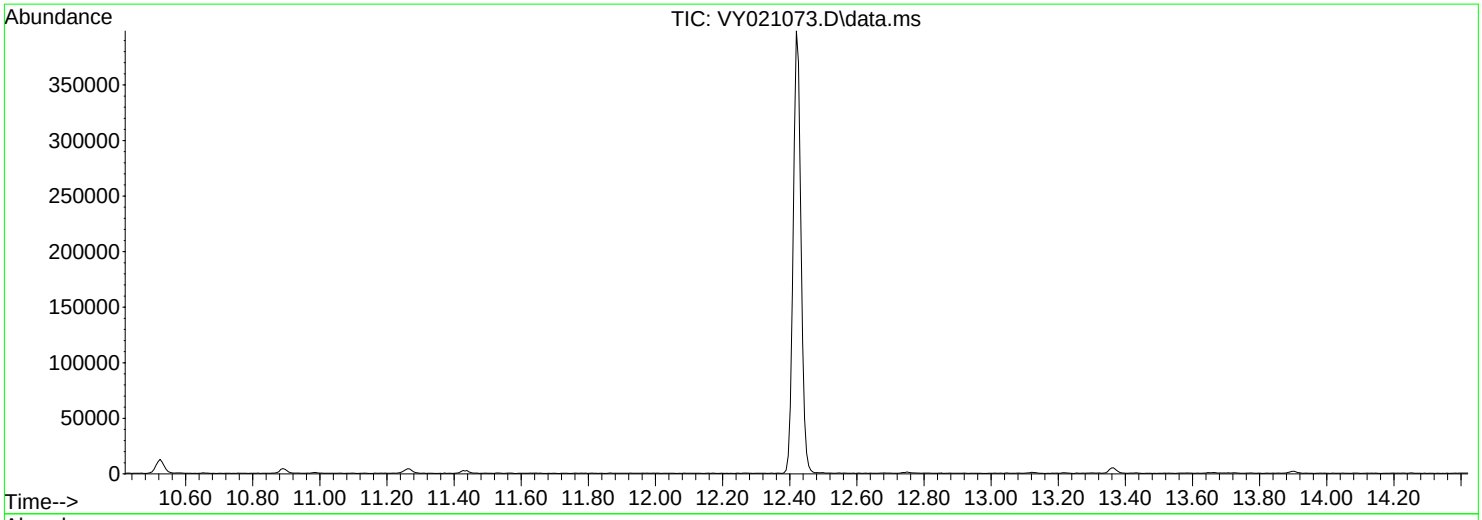
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.3	16179	PASS
75	95	30	60	55.5	42091	PASS
95	95	100	100	100.0	75832	PASS
96	95	5	9	6.6	5042	PASS
173	174	0.00	2	1.5	1021	PASS
174	95	50	100	88.1	66843	PASS
175	174	5	9	7.9	5312	PASS
176	174	95	101	96.1	64269	PASS
177	176	5	9	6.3	4052	PASS

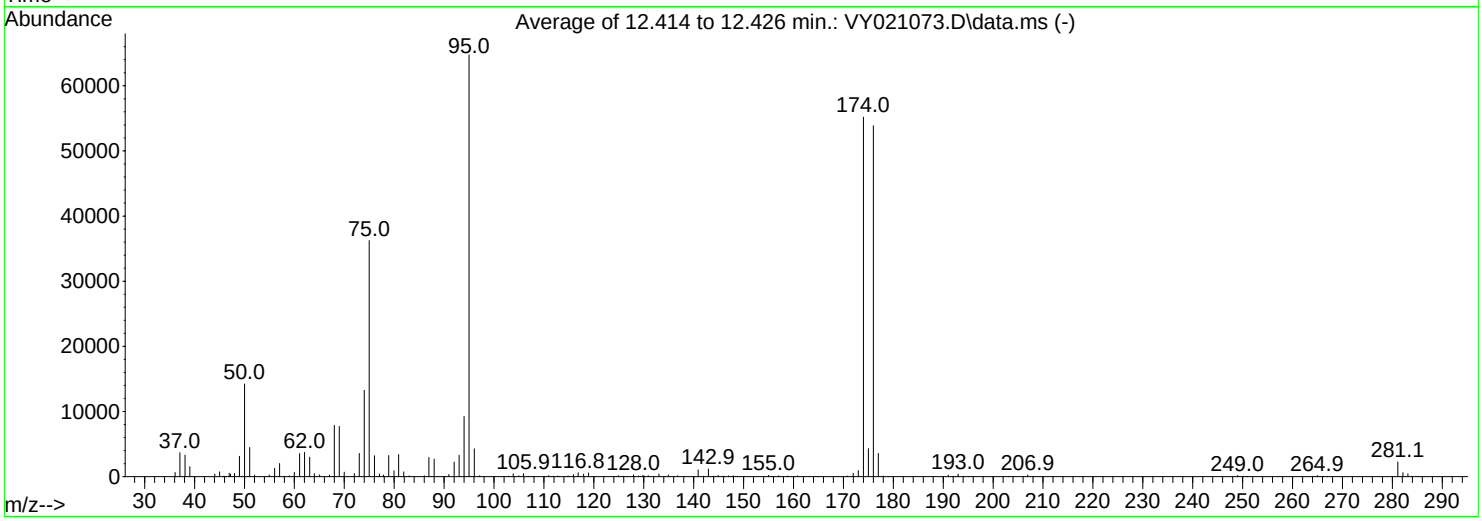
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021073.D
Acq On : 05 Feb 2025 08:16
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Title : SW846 8260
Last Update : Mon Feb 03 13:08:38 2025





AutoFind: Scans 1754, 1755, 1756; Background Corrected with Scan 1746

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.0	14227	PASS
75	95	30	60	56.0	36253	PASS
95	95	100	100	100.0	64752	PASS
96	95	5	9	6.6	4285	PASS
173	174	0.00	2	1.7	941	PASS
174	95	50	100	85.2	55189	PASS
175	174	5	9	7.8	4301	PASS
176	174	95	101	97.6	53875	PASS
177	176	5	9	6.6	3555	PASS

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0204SBL01	SDG No.:	Q1241
Lab Sample ID:	VY0204SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021047.D	1		02/04/25 10:15	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	5.00	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	5.00	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	5.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	5.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	5.00	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	25.0	U	15.6	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	5.00	U	0.78	5.00	ug/Kg
67-64-1	Acetone	25.0	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	5.00	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	5.00	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	10.0	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	5.00	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	5.00	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	25.0	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	5.00	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	5.00	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	5.00	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.00	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	5.00	U	0.87	5.00	ug/Kg
71-43-2	Benzene	5.00	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	5.00	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	5.00	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	5.00	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	5.00	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25.0	U	4.40	25.0	ug/Kg

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0204SBL01	SDG No.:	Q1241
Lab Sample ID:	VY0204SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021047.D	1		02/04/25 10:15	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	5.00	U	0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.00	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	25.0	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	5.00	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	5.00	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	5.00	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	5.00	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	10.0	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	5.00	U	0.70	5.00	ug/Kg
100-42-5	Styrene	5.00	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	5.00	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.00	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.00	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.00	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.4		50 - 163	115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		54 - 147	103%	SPK: 50
2037-26-5	Toluene-d8	49.8		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		29 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	7.713			
540-36-3	1,4-Difluorobenzene	321000	8.616			
3114-55-4	Chlorobenzene-d5	292000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.353			

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0204SBL01	SDG No.:	Q1241
Lab Sample ID:	VY0204SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021047.D	1		02/04/25 10:15	VY020425

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\VY020425\
Data File : VY021047.D
Acq On : 04 Feb 2025 10:15
Operator : SY/MD
Sample : VY0204SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBL01

Quant Time: Feb 05 00:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	173019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	321305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	292351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	114535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101700	57.369	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.740%			
35) Dibromofluoromethane	7.634	113	106203	51.576	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.160%			
50) Toluene-d8	10.109	98	390070	49.758	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.408	95	121663	47.505	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.020%			

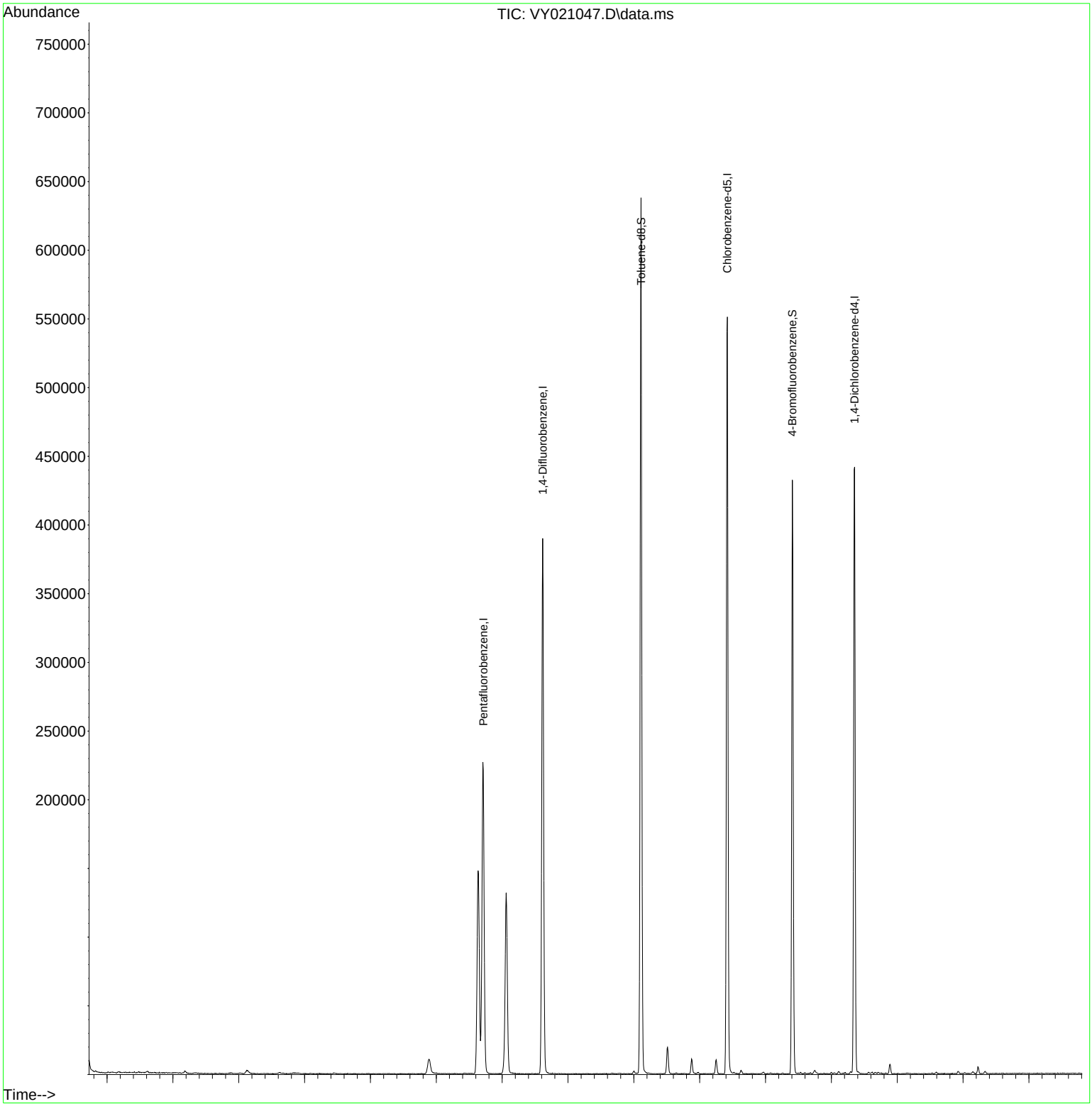
Target Compounds Qvalue

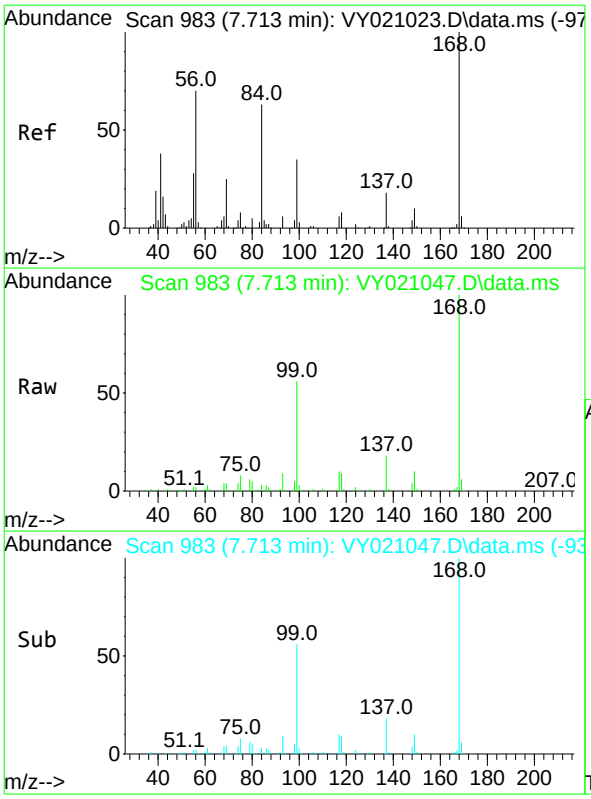
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021047.D
Acq On : 04 Feb 2025 10:15
Operator : SY/MD
Sample : VY0204SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBL01

Quant Time: Feb 05 00:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



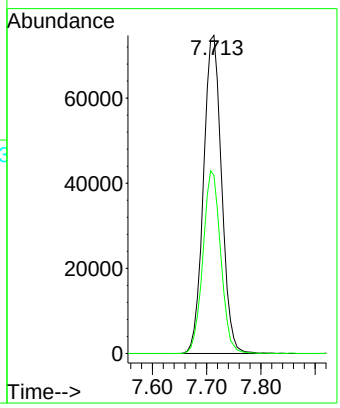


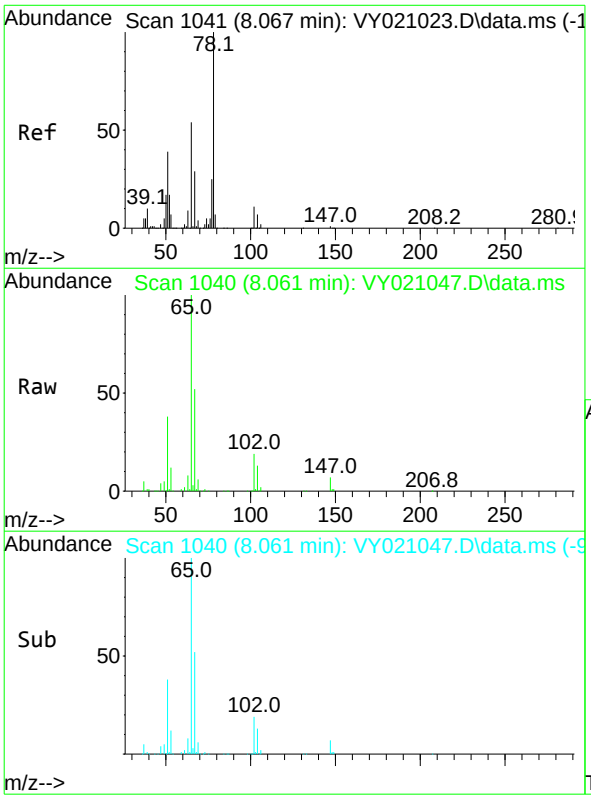
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBL01

Tgt Ion:168 Resp: 173019

Ion	Ratio	Lower	Upper
168	100		
99	56.0	44.2	66.4

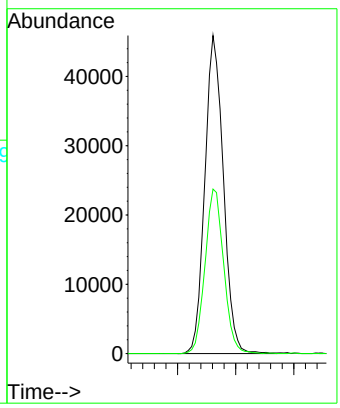


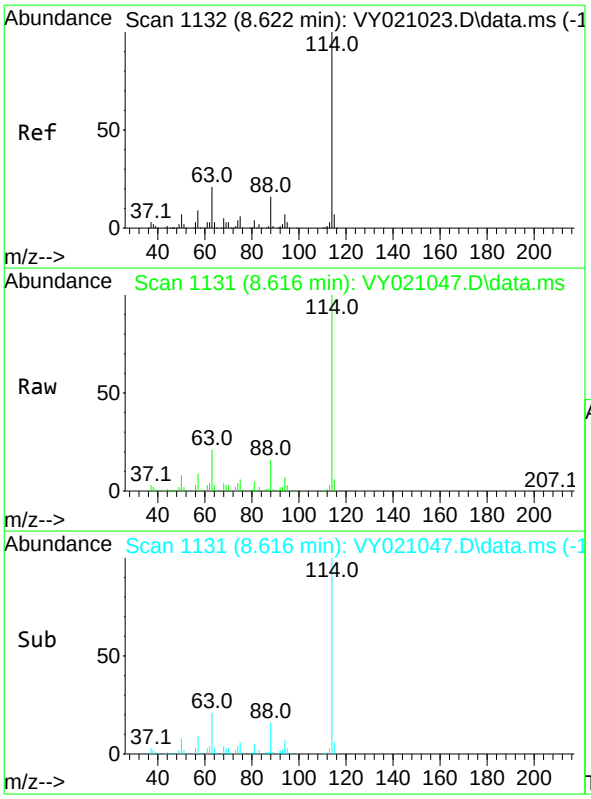


#33
1,2-Dichloroethane-d4
Concen: 57.369 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Tgt Ion: 65 Resp: 101700

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	109.0



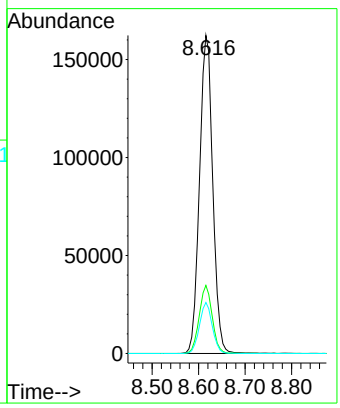


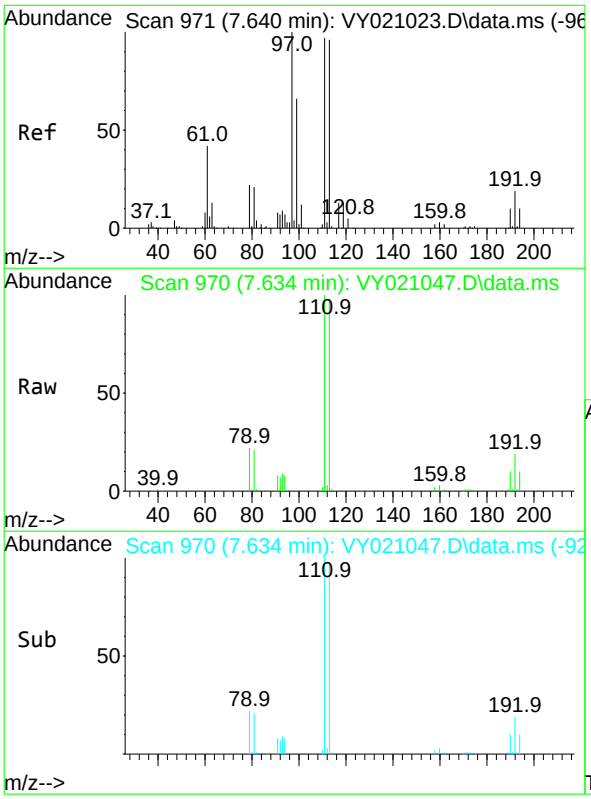
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBL01

Tgt Ion:114 Resp: 321305

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	37.4
88	16.0	0.0	29.0

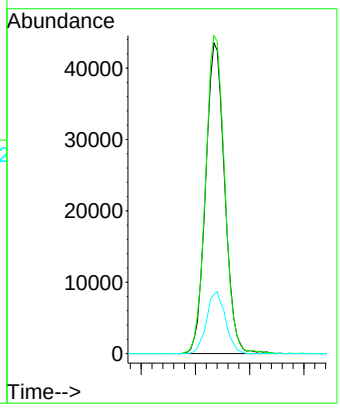


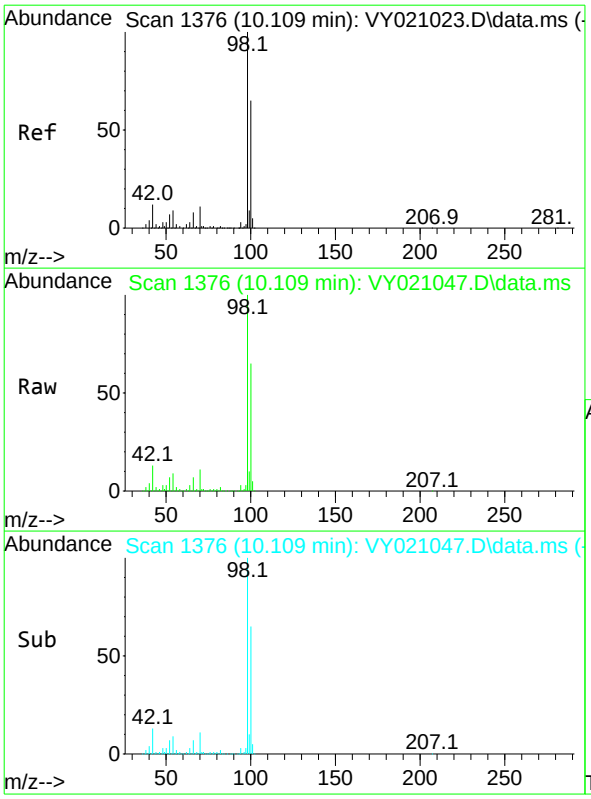


#35
Dibromofluoromethane
Concen: 51.576 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Tgt Ion:113 Resp: 106203

Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.8	125.6
192	19.8	14.5	21.7



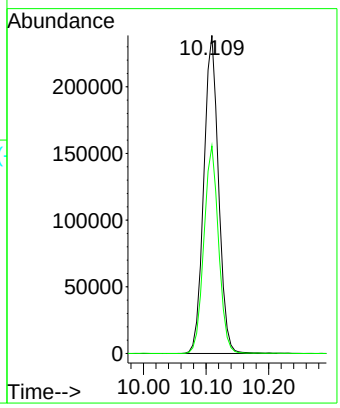


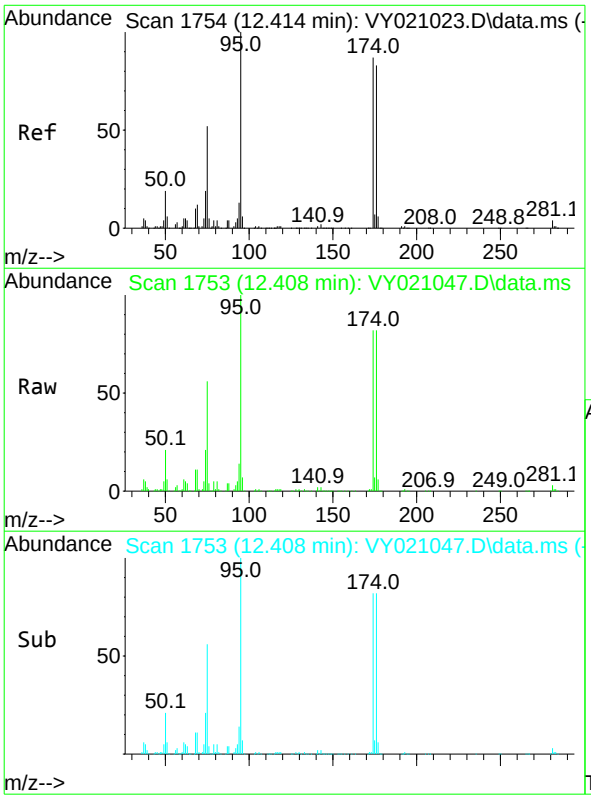
#50
Toluene-d8
Concen: 49.758 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBL01

Tgt Ion: 98 Resp: 390070

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.3	78.5

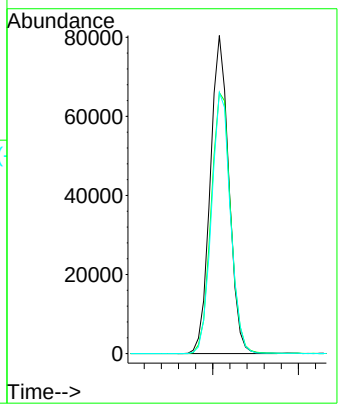


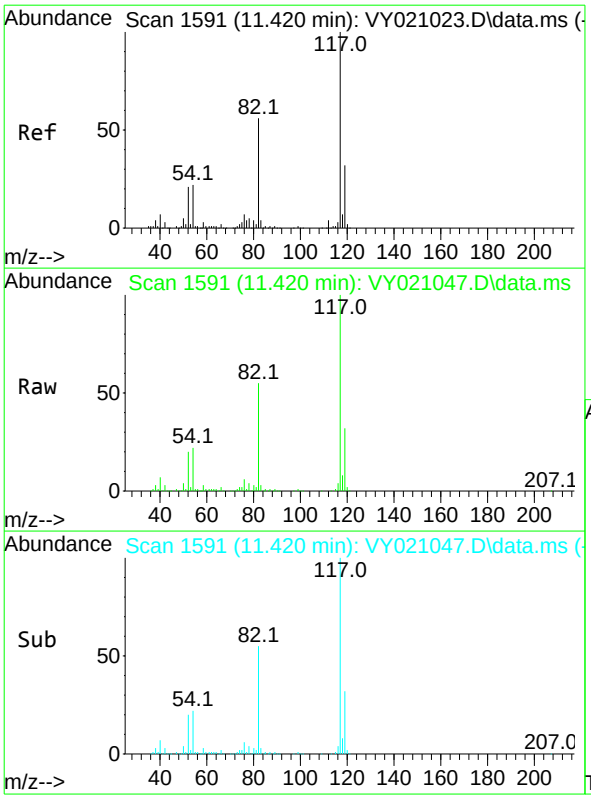


#62
4-Bromofluorobenzene
Concen: 47.505 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Tgt Ion: 95 Resp: 121663

Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	160.0
176	83.5	0.0	151.8



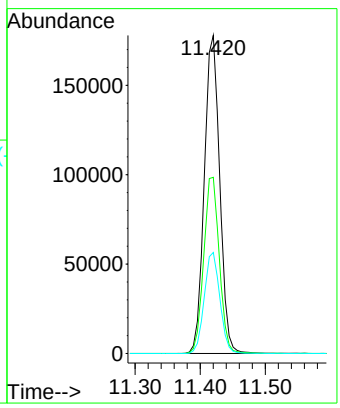


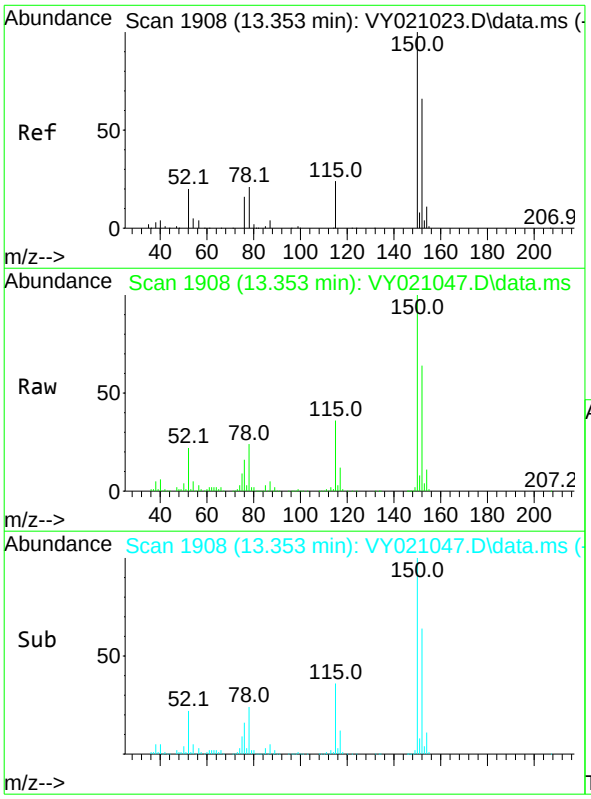
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBL01

Tgt Ion:117 Resp: 292351

Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.8	65.8
119	31.8	26.5	39.7

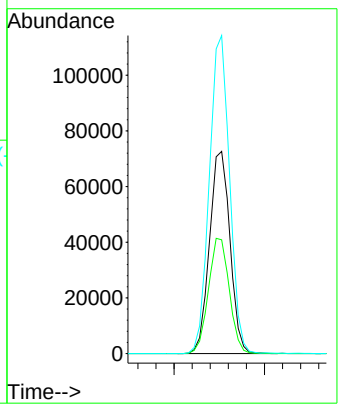




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Tgt Ion:152 Resp: 114535

Ion	Ratio	Lower	Upper
152	100		
115	57.9	30.0	90.0
150	155.3	0.0	344.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021047.D
Acq On : 04 Feb 2025 10:15
Operator : SY/MD
Sample : VY0204SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBL01

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\82Y020325S.M
Title : SW846 8260

Signal : TIC: VY021047.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	837	848	859	rBV	10654	34888	3.31%	0.642%
2	7.634	959	970	976	rBV	147915	359446	34.15%	6.618%
3	7.707	976	982	997	rVB	226724	518284	49.24%	9.543%
4	8.061	1027	1040	1053	rBV2	131648	311545	29.60%	5.736%
5	8.616	1122	1131	1143	rBV	389596	765058	72.69%	14.086%
6	10.109	1368	1376	1392	rVB	637321	1052551	100.00%	19.379%
7	10.512	1435	1442	1450	rBV2	19129	34803	3.31%	0.641%
8	10.877	1496	1502	1514	rBV	10738	18372	1.75%	0.338%
9	11.249	1558	1563	1571	rVB2	10237	17753	1.69%	0.327%
10	11.420	1582	1591	1605	rBV	550942	924523	87.84%	17.022%
11	12.408	1747	1753	1764	rBV	432074	681506	64.75%	12.548%
12	13.353	1901	1908	1915	rBV	440582	701143	66.61%	12.909%
13	13.889	1990	1996	2002	rVB2	6940	11428	1.09%	0.210%

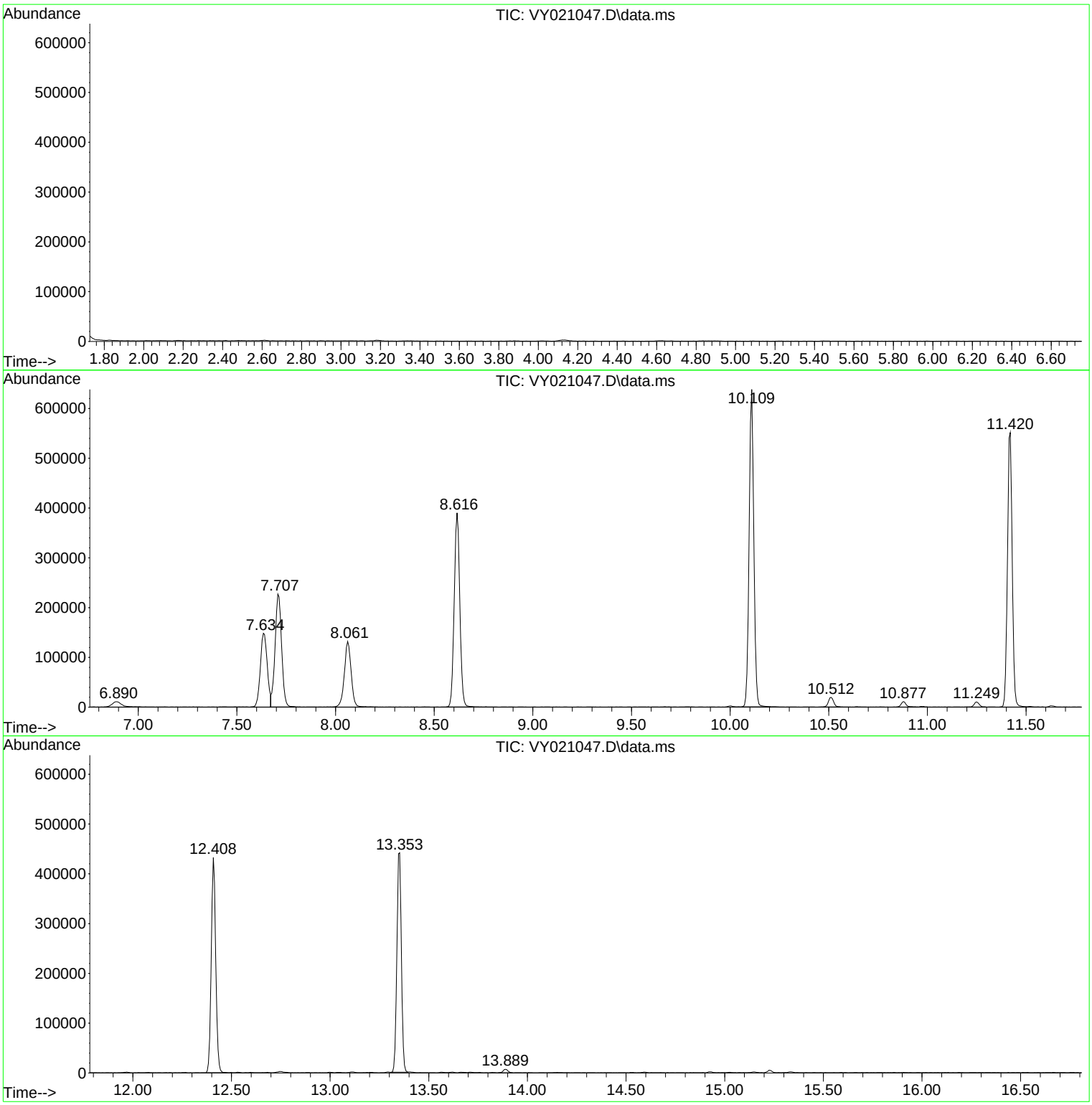
Sum of corrected areas: 5431300

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021047.D
Acq On : 04 Feb 2025 10:15
Operator : SY/MD
Sample : VY0204SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021047.D
Acq On : 04 Feb 2025 10:15
Operator : SY/MD
Sample : VY0204SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.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\VY020425\
Data File : VY021047.D
Acq On : 04 Feb 2025 10:15
Operator : SY/MD
Sample : VY0204SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.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:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0205SBL01	SDG No.:	Q1241
Lab Sample ID:	VY0205SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021075.D	1		02/05/25 09:51	VY020525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	5.00	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	5.00	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	5.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	5.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	5.00	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	25.0	U	15.6	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	5.00	U	0.78	5.00	ug/Kg
67-64-1	Acetone	25.0	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	5.00	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	5.00	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	10.0	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	5.00	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	5.00	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	25.0	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	5.00	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	5.00	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	5.00	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.00	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	5.00	U	0.87	5.00	ug/Kg
71-43-2	Benzene	5.00	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	5.00	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	5.00	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	5.00	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	5.00	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25.0	U	4.40	25.0	ug/Kg

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0205SBL01	SDG No.:	Q1241
Lab Sample ID:	VY0205SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021075.D	1		02/05/25 09:51	VY020525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	5.00	U	0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.00	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	25.0	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	5.00	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	5.00	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	5.00	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	5.00	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	10.0	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	5.00	U	0.70	5.00	ug/Kg
100-42-5	Styrene	5.00	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	5.00	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.00	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.00	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.00	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.8		50 - 163	114%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		54 - 147	102%	SPK: 50
2037-26-5	Toluene-d8	49.8		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		29 - 146	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	7.719			
540-36-3	1,4-Difluorobenzene	324000	8.622			
3114-55-4	Chlorobenzene-d5	290000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	107000	13.359			

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0205SBL01	SDG No.:	Q1241
Lab Sample ID:	VY0205SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021075.D	1		02/05/25 09:51	VY020525

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\VY020525\
Data File : VY021075.D
Acq On : 05 Feb 2025 09:51
Operator : SY/MD
Sample : VY0205SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBL01

Quant Time: Feb 06 00:24:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	173976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	323562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	290166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	107232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	101161	56.752	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.500%			
35) Dibromofluoromethane	7.646	113	105621	50.936	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.880%			
50) Toluene-d8	10.115	98	393322	49.823	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.640%			
62) 4-Bromofluorobenzene	12.414	95	115413	44.750	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.500%			

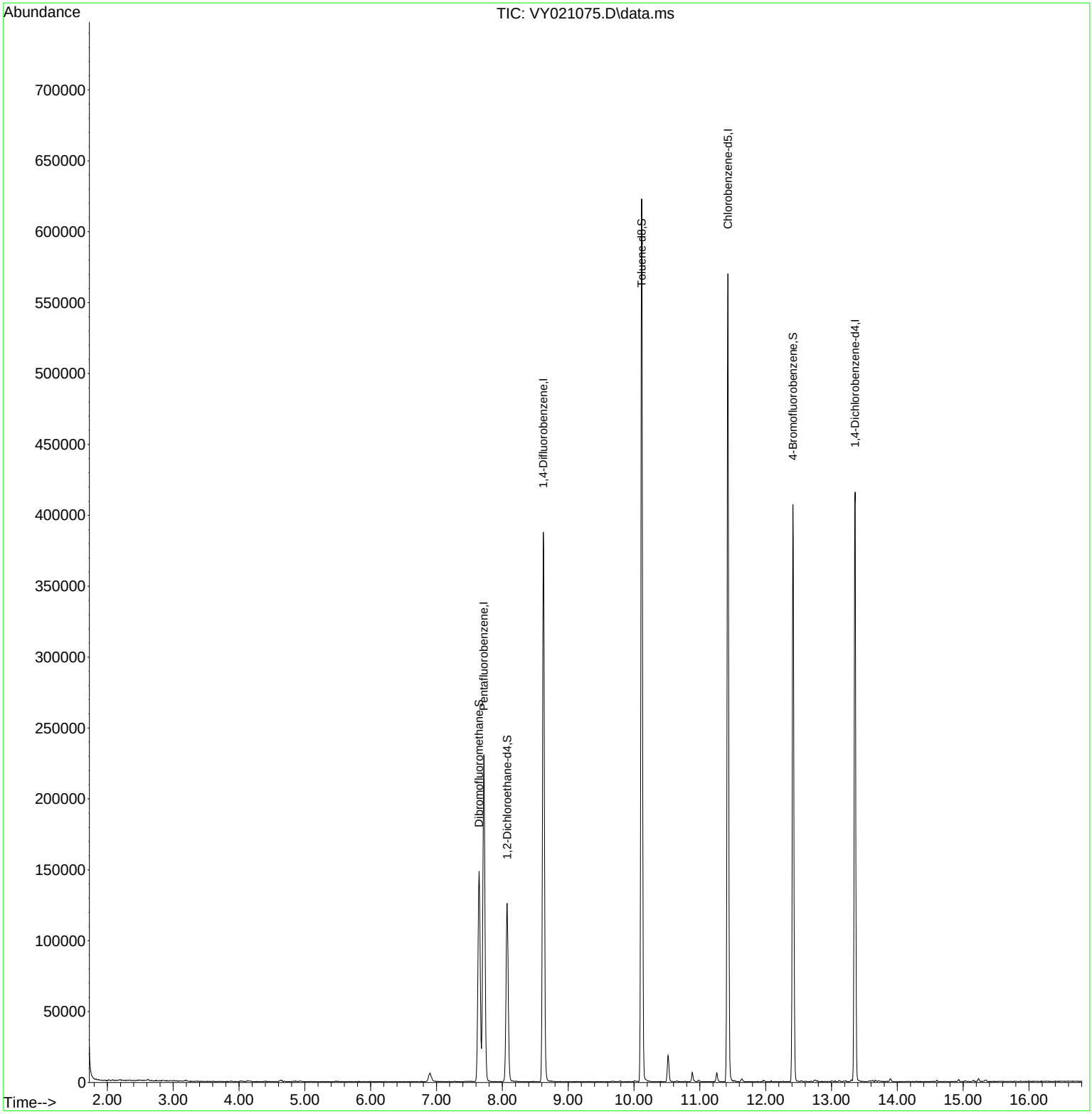
Target Compounds Qvalue

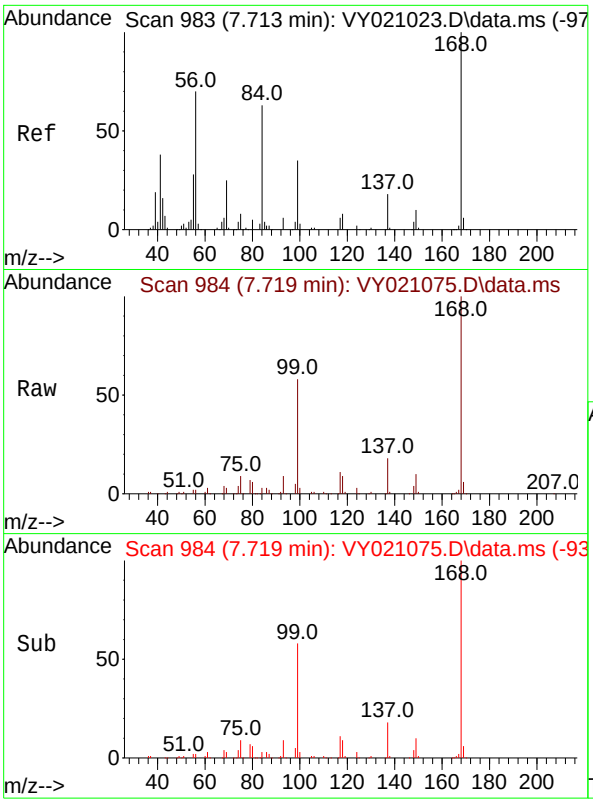
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021075.D
Acq On : 05 Feb 2025 09:51
Operator : SY/MD
Sample : VY0205SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBL01

Quant Time: Feb 06 00:24:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



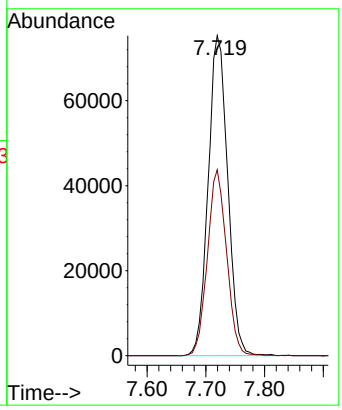


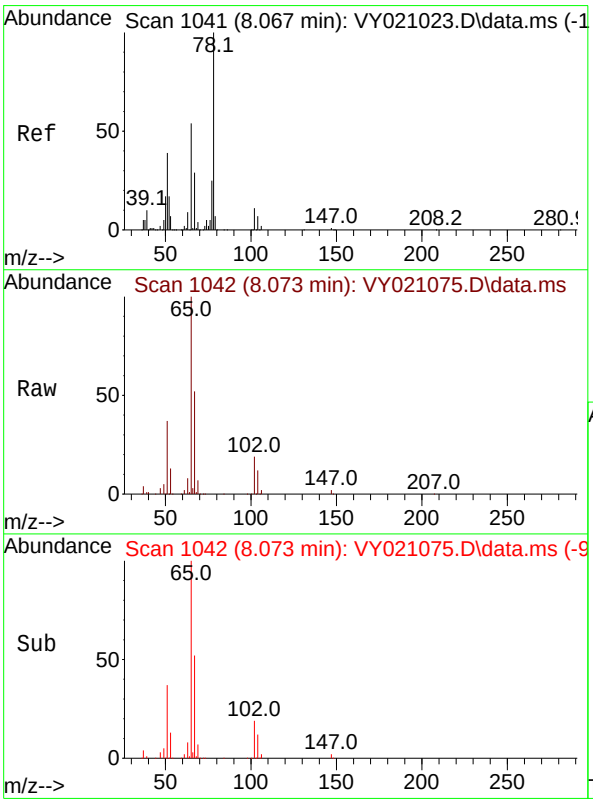
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021075.D
Acq: 05 Feb 2025 09:51

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBL01

Tgt Ion:168 Resp: 173976

Ion	Ratio	Lower	Upper
168	100		
99	58.1	44.2	66.4

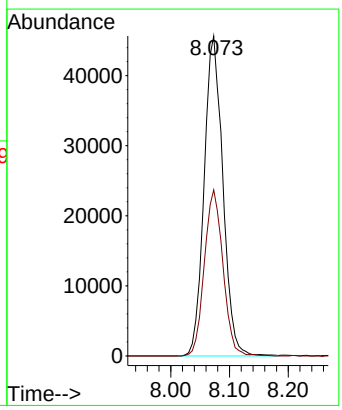


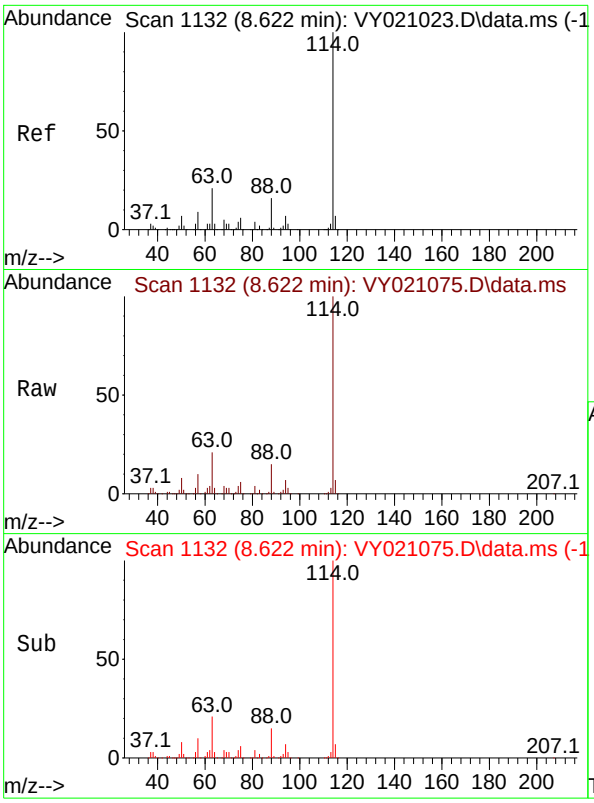


#33
1,2-Dichloroethane-d4
Concen: 56.752 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021075.D
Acq: 05 Feb 2025 09:51

Tgt Ion: 65 Resp: 101161

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	109.0



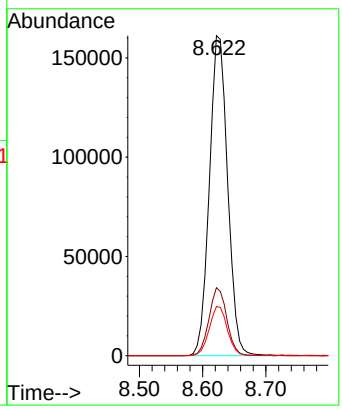


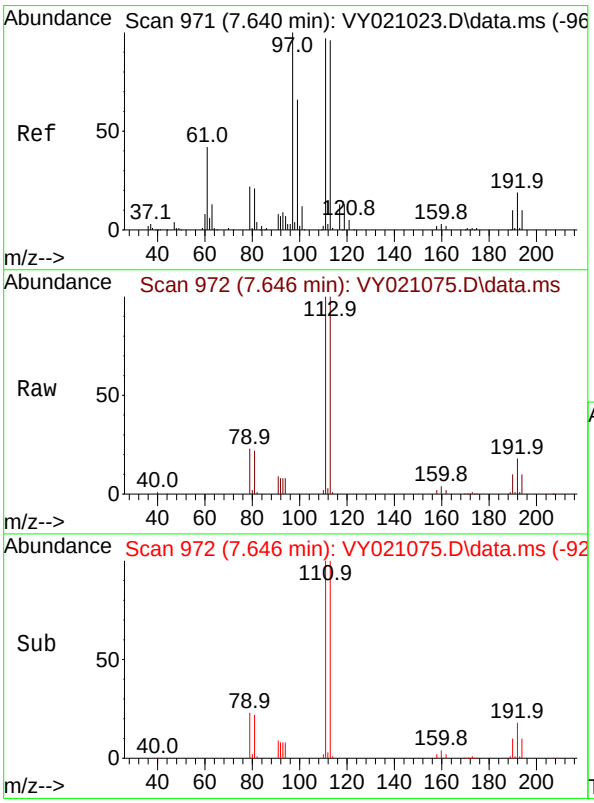
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021075.D
Acq: 05 Feb 2025 09:51

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBL01

Tgt Ion:114 Resp: 323562

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	37.4
88	15.3	0.0	29.0

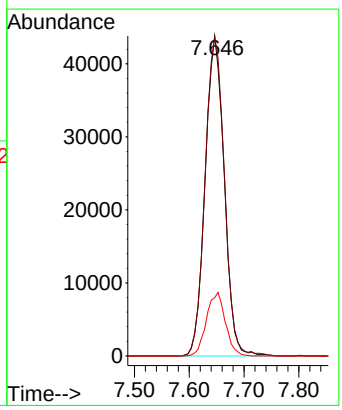


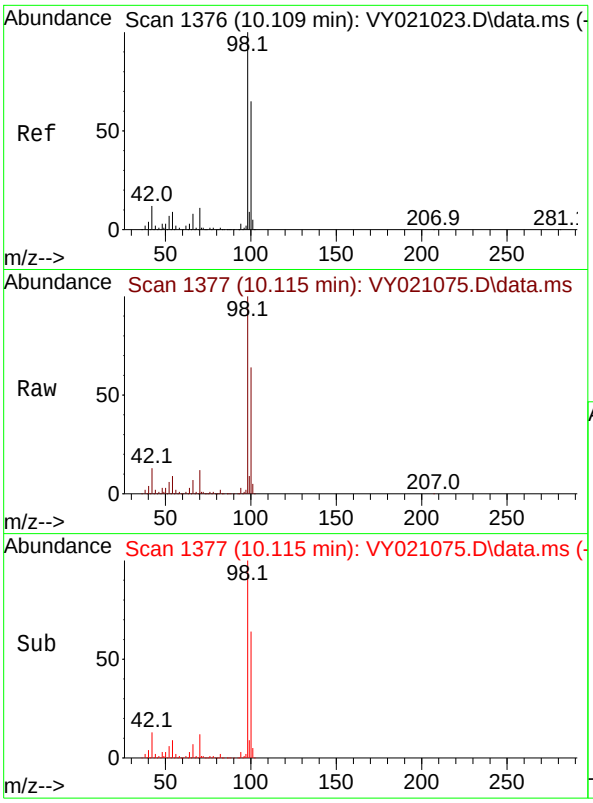


#35
Dibromofluoromethane
Concen: 50.936 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY021075.D
Acq: 05 Feb 2025 09:51

Tgt Ion:113 Resp: 105621

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.8	125.6
192	19.7	14.5	21.7



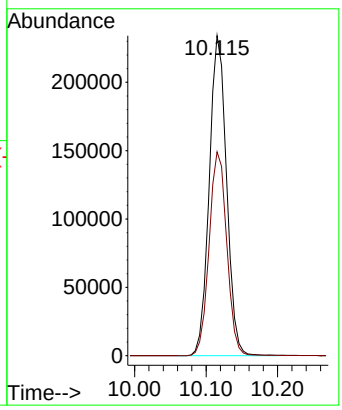


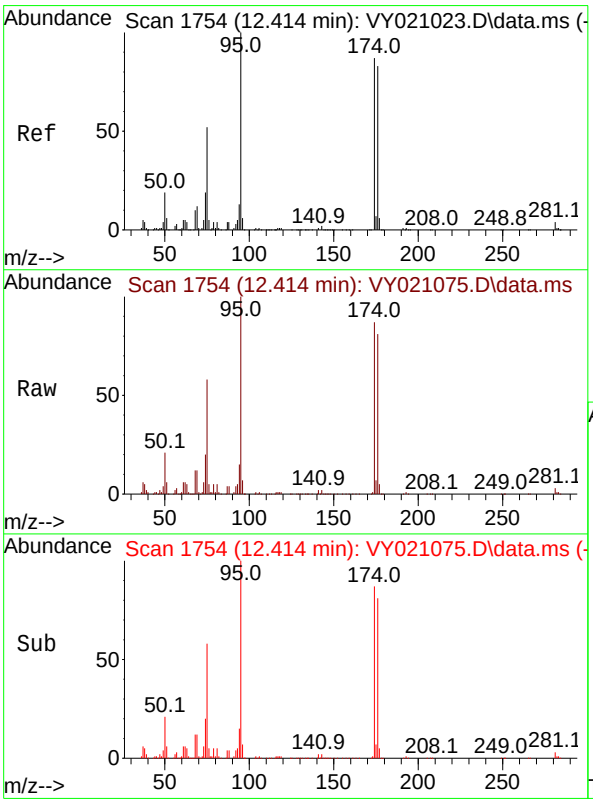
#50
Toluene-d8
Concen: 49.823 ug/l
RT: 10.115 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021075.D
Acq: 05 Feb 2025 09:51

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBL01

Tgt Ion: 98 Resp: 393322

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.3	78.5

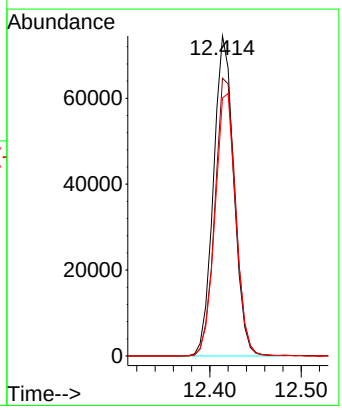


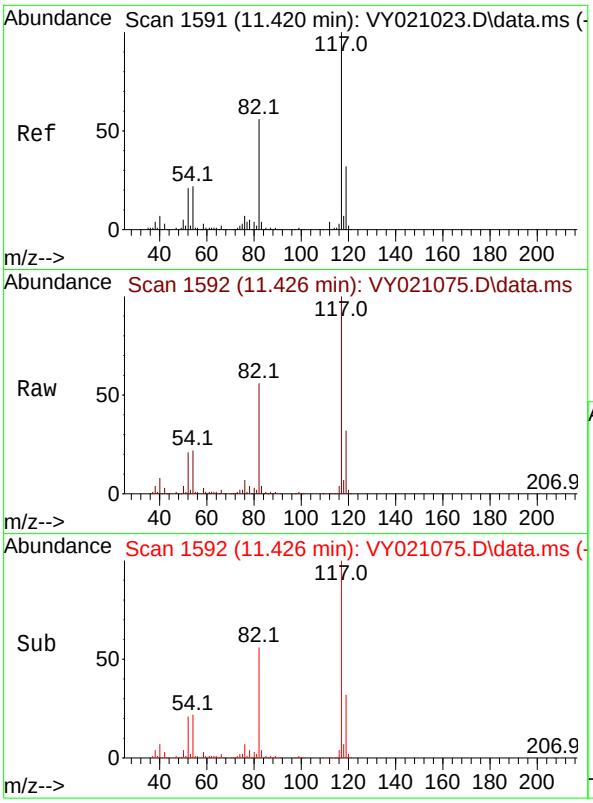


#62
4-Bromofluorobenzene
Concen: 44.750 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021075.D
Acq: 05 Feb 2025 09:51

Tgt Ion: 95 Resp: 115413

Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	160.0
176	84.0	0.0	151.8



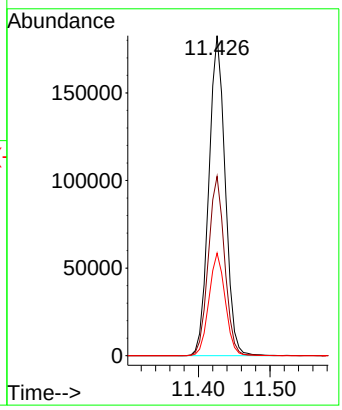


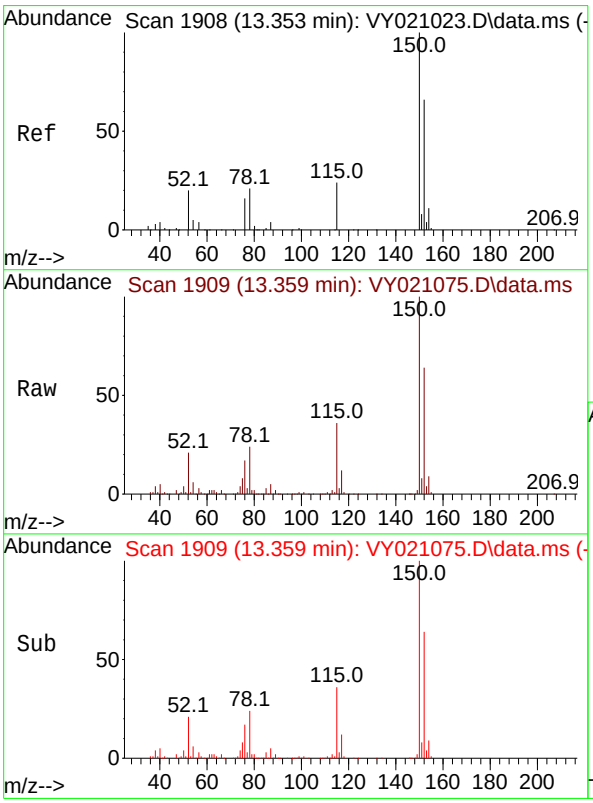
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021075.D
Acq: 05 Feb 2025 09:51

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBL01

Tgt Ion:117 Resp: 290166

Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.8	65.8
119	32.0	26.5	39.7

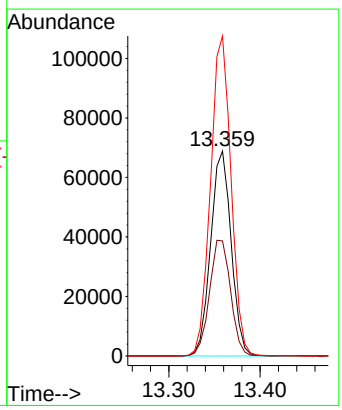




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021075.D
Acq: 05 Feb 2025 09:51

Tgt Ion:152 Resp: 107232

Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.0	90.0
150	156.2	0.0	344.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021075.D
Acq On : 05 Feb 2025 09:51
Operator : SY/MD
Sample : VY0205SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBL01

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\82Y020325S.M
Title : SW846 8260

Signal : TIC: VY021075.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.903	838	850	863	rBV	6249	20527	1.93%	0.388%
2	7.646	960	972	978	rBV2	148538	361497	33.92%	6.828%
3	7.719	978	984	997	rVB	230332	520644	48.85%	9.833%
4	8.073	1027	1042	1052	rBV	125837	285971	26.83%	5.401%
5	8.622	1124	1132	1145	rBV	387560	769994	72.24%	14.543%
6	10.115	1370	1377	1393	rBV	622697	1065867	100.00%	20.131%
7	10.518	1433	1443	1451	rBV	18292	33018	3.10%	0.624%
8	11.426	1585	1592	1603	rBV	569977	917660	86.10%	17.332%
9	12.414	1747	1754	1764	rBV	407150	657382	61.68%	12.416%
10	13.359	1902	1909	1918	rBV	415249	662109	62.12%	12.505%

Sum of corrected areas: 5294669

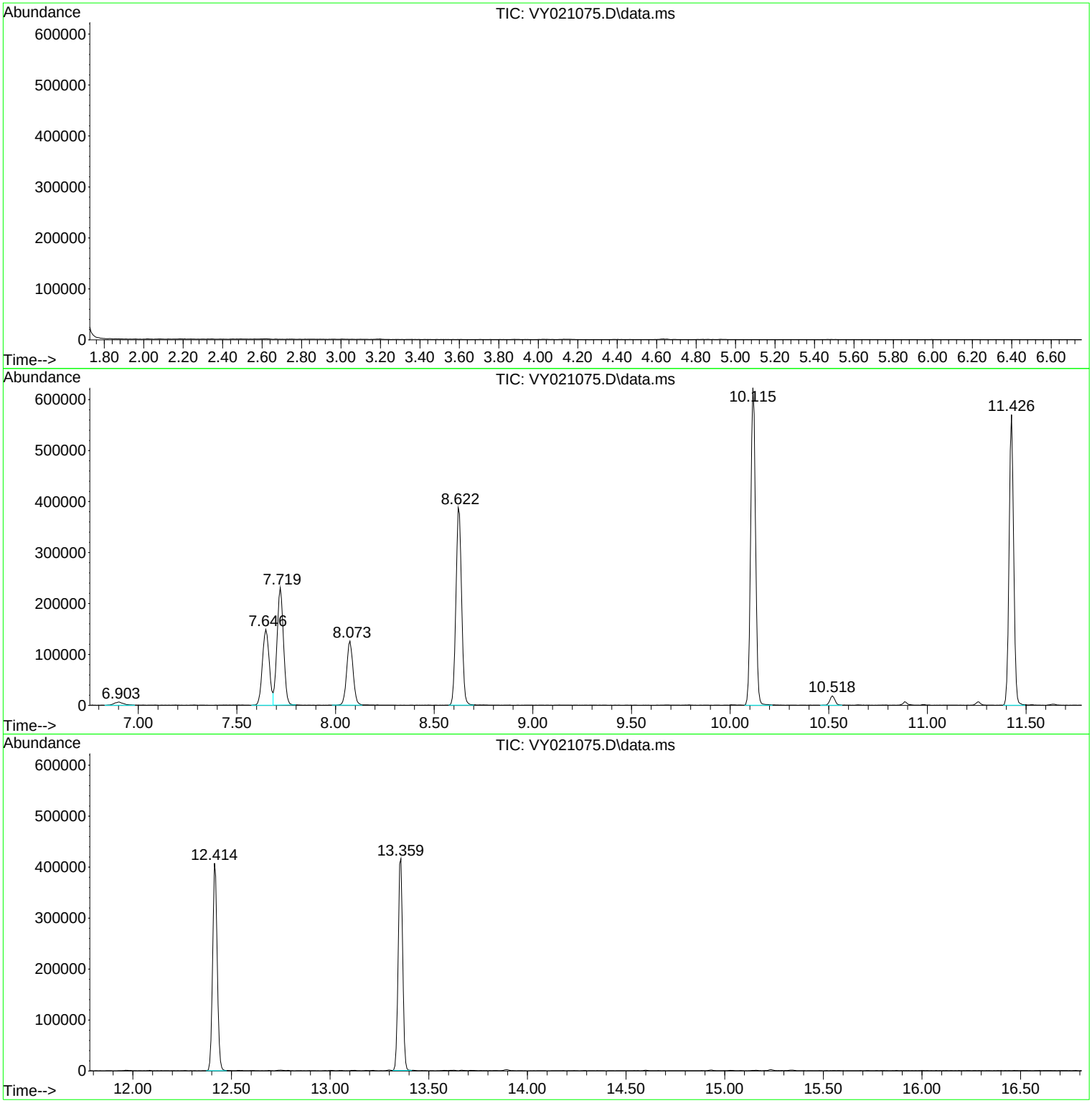
Sample Results: **VY021075.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021075.D
Acq On : 05 Feb 2025 09:51
Operator : SY/MD
Sample : VY0205SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021075.D
Acq On : 05 Feb 2025 09:51
Operator : SY/MD
Sample : VY0205SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.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\VY020525\
Data File : VY021075.D
Acq On : 05 Feb 2025 09:51
Operator : SY/MD
Sample : VY0205SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.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:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0204SBS01	SDG No.:	Q1241
Lab Sample ID:	VY0204SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021048.D	1		02/04/25 10:52	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.7		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.1		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.9		0.77	5.00	ug/Kg
74-83-9	Bromomethane	17.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	17.7		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.1		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.9		1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	97.5		15.6	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	18.1		0.78	5.00	ug/Kg
67-64-1	Acetone	95.3		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.7		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	17.8		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	18.0		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	18.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.9		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	18.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.69	5.00	ug/Kg
78-93-3	2-Butanone	92.2		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.8		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.3		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	18.5		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	18.9		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.4		0.87	5.00	ug/Kg
71-43-2	Benzene	18.5		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	18.1		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.6		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.1		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	18.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	92.4		4.40	25.0	ug/Kg

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0204SBS01	SDG No.:	Q1241
Lab Sample ID:	VY0204SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021048.D	1		02/04/25 10:52	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	18.9		0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	18.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	18.6		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	18.4		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	90.8		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	18.3		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	17.8		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.9		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.6		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.7		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	37.8		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.6		0.70	5.00	ug/Kg
100-42-5	Styrene	18.8		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.6		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.7		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	17.4		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.9		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.3		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	16.3		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	17.8		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.3		50 - 163	89%	SPK: 50
1868-53-7	Dibromofluoromethane	44.6		54 - 147	89%	SPK: 50
2037-26-5	Toluene-d8	45.4		58 - 134	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		29 - 146	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	160000	7.707			
540-36-3	1,4-Difluorobenzene	247000	8.616			
3114-55-4	Chlorobenzene-d5	212000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.353			

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0204SBS01	SDG No.:	Q1241
Lab Sample ID:	VY0204SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021048.D	1		02/04/25 10:52	VY020425

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\VY020425\
Data File : VY021048.D
Acq On : 04 Feb 2025 10:52
Operator : SY/MD
Sample : VY0204SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 05 00:43:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	159738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	247448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	212473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	108974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	72541	44.323	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 88.640%			
35) Dibromofluoromethane	7.634	113	70720	44.595	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.200%			
50) Toluene-d8	10.109	98	273816	45.354	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.700%			
62) 4-Bromofluorobenzene	12.408	95	88811	45.028	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	26561	18.656	ug/l	95
3) Chloromethane	2.074	50	25456	18.120	ug/l	100
4) Vinyl Chloride	2.208	62	25348	17.926	ug/l	96
5) Bromomethane	2.592	94	15527	17.766	ug/l	93
6) Chloroethane	2.739	64	14918	17.722	ug/l	100
7) Trichlorofluoromethane	3.062	101	46635	18.102	ug/l	99
8) Diethyl Ether	3.458	74	14027	17.442	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	30481	18.852	ug/l	96
10) Methyl Iodide	4.007	142	29675	16.520	ug/l	94
11) Tert butyl alcohol	4.860	59	10816	97.522	ug/l	100
12) 1,1-Dichloroethene	3.793	96	27509	18.062	ug/l	91
13) Acrolein	3.653	56	15521	90.880	ug/l	95
14) Allyl chloride	4.385	41	46739	18.208	ug/l	94
15) Acrylonitrile	5.061	53	29778	88.918	ug/l	96
16) Acetone	3.867	43	24331	95.329	ug/l	94
17) Carbon Disulfide	4.104	76	84527	17.699	ug/l	99
18) Methyl Acetate	4.391	43	16098	17.967	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	68589	17.817	ug/l	100
20) Methylene Chloride	4.616	84	28978	18.264	ug/l	89
21) trans-1,2-Dichloroethene	5.116	96	30051	17.925	ug/l	90
22) Diisopropyl ether	6.019	45	99002	18.712	ug/l	97
23) Vinyl Acetate	5.964	43	269489	91.368	ug/l	98
24) 1,1-Dichloroethane	5.915	63	57777	18.638	ug/l	99
25) 2-Butanone	6.897	43	38689	92.245	ug/l	95
26) 2,2-Dichloropropane	6.884	77	53805	18.759	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	35371	18.330	ug/l	94
28) Bromochloromethane	7.250	49	24400	19.906	ug/l	98
29) Tetrahydrofuran	7.262	42	25992	91.585	ug/l	94
30) Chloroform	7.421	83	58868	18.488	ug/l	98
31) Cyclohexane	7.701	56	51555	18.469	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	55929	18.893	ug/l	100
36) 1,1-Dichloropropene	7.835	75	43422	18.486	ug/l	100
37) Ethyl Acetate	6.982	43	16787	16.291	ug/l	96
38) Carbon Tetrachloride	7.823	117	51669	18.826	ug/l	99
39) Methylcyclohexane	9.110	83	52772	18.368	ug/l	97
40) Benzene	8.085	78	127737	18.531	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021048.D
Acq On : 04 Feb 2025 10:52
Operator : SY/MD
Sample : VY0204SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 05 00:43:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	8975	15.055	ug/l	#	94
42) 1,2-Dichloroethane	8.159	62	34662	18.127	ug/l		98
43) Isopropyl Acetate	8.201	43	36132	17.647	ug/l	#	86
44) Trichloroethene	8.866	130	33112	18.593	ug/l		95
45) 1,2-Dichloropropane	9.146	63	31191	19.064	ug/l		98
46) Dibromomethane	9.231	93	16797	18.543	ug/l		96
47) Bromodichloromethane	9.427	83	45261	18.630	ug/l		97
48) Methyl methacrylate	9.225	41	17256	18.502	ug/l		92
49) 1,4-Dioxane	9.231	88	3076	364.763	ug/l	#	85
51) 4-Methyl-2-Pentanone	10.000	43	95113	92.378	ug/l		96
52) Toluene	10.170	92	81634	18.861	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	39796	18.243	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	48033	18.596	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	21600	18.414	ug/l		94
56) Ethyl methacrylate	10.445	69	27381	17.448	ug/l		89
57) 1,3-Dichloropropane	10.719	76	37450	18.445	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	65192	87.322	ug/l		100
59) 2-Hexanone	10.762	43	60223	90.844	ug/l		95
60) Dibromochloromethane	10.914	129	30226	18.348	ug/l		99
61) 1,2-Dibromoethane	11.018	107	19558	17.800	ug/l		98
64) Tetrachloroethene	10.652	164	29844	18.921	ug/l		96
65) Chlorobenzene	11.445	112	88014	18.603	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	31439	18.699	ug/l		98
67) Ethyl Benzene	11.524	91	156761	18.733	ug/l		100
68) m/p-Xylenes	11.627	106	118185	37.753	ug/l		97
69) o-Xylene	11.957	106	54195	18.569	ug/l		96
70) Styrene	11.975	104	91611	18.833	ug/l		98
71) Bromoform	12.133	173	17427	18.622	ug/l	#	97
73) Isopropylbenzene	12.255	105	150465	17.676	ug/l		100
74) N-amyl acetate	12.072	43	31886	17.133	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.511	83	24702	17.448	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	16082m	16.269	ug/l		
77) Bromobenzene	12.536	156	34360	17.492	ug/l		92
78) n-propylbenzene	12.597	91	181949	17.943	ug/l		98
79) 2-Chlorotoluene	12.682	91	102699	17.683	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	125980	18.254	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	8631	17.816	ug/l		98
82) 4-Chlorotoluene	12.780	91	106247	17.955	ug/l		100
83) tert-Butylbenzene	12.999	119	110553	17.623	ug/l		96
84) 1,2,4-Trimethylbenzene	13.048	105	124310	18.421	ug/l		98
85) sec-Butylbenzene	13.176	105	162645	18.011	ug/l		97
86) p-Isopropyltoluene	13.292	119	136684	18.222	ug/l		98
87) 1,3-Dichlorobenzene	13.292	146	67765	17.866	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	68413	18.319	ug/l		99
89) n-Butylbenzene	13.621	91	126230	18.446	ug/l		99
90) Hexachloroethane	13.883	117	27935	17.851	ug/l		87
91) 1,2-Dichlorobenzene	13.664	146	59994	18.224	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3450	16.307	ug/l		97
93) 1,2,4-Trichlorobenzene	14.926	180	33572	18.321	ug/l		96
94) Hexachlorobutadiene	15.029	225	22831	18.801	ug/l		99
95) Naphthalene	15.151	128	49550	16.901	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	27220	17.849	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021048.D
Acq On : 04 Feb 2025 10:52
Operator : SY/MD
Sample : VY0204SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

Quant Time: Feb 05 00:43:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

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

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

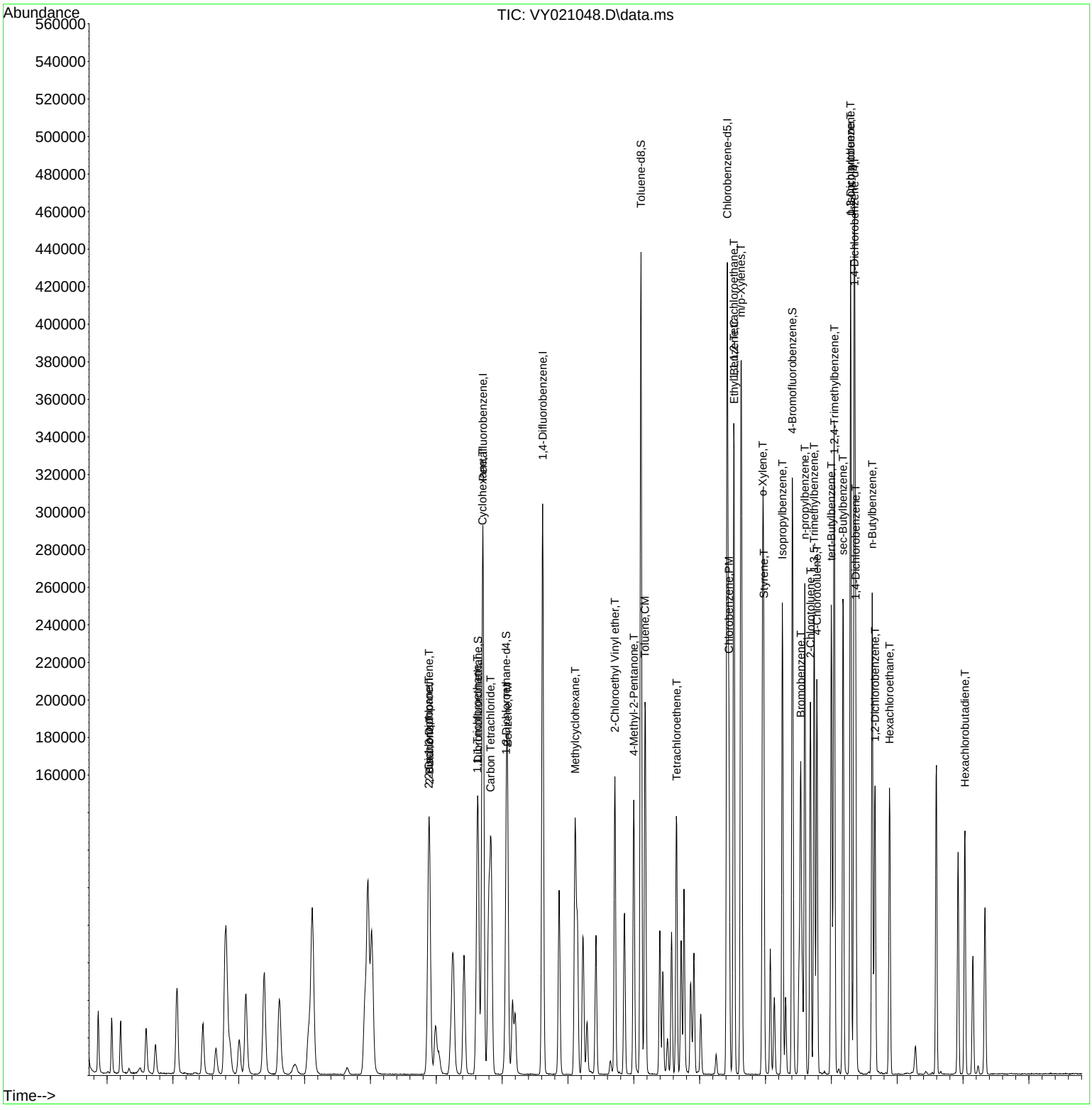
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021048.D
Acq On : 04 Feb 2025 10:52
Operator : SY/MD
Sample : VY0204SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

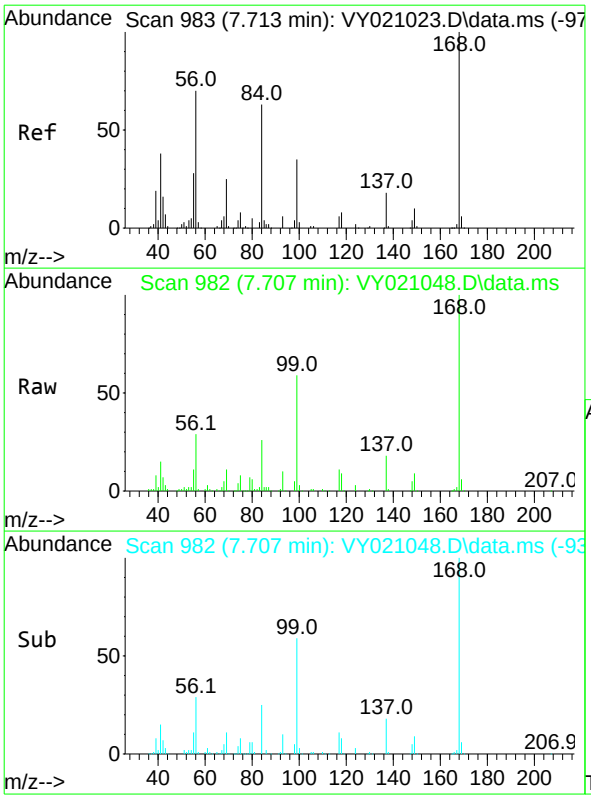
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

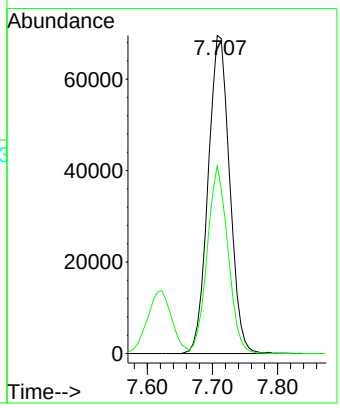




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:168 Resp: 159738

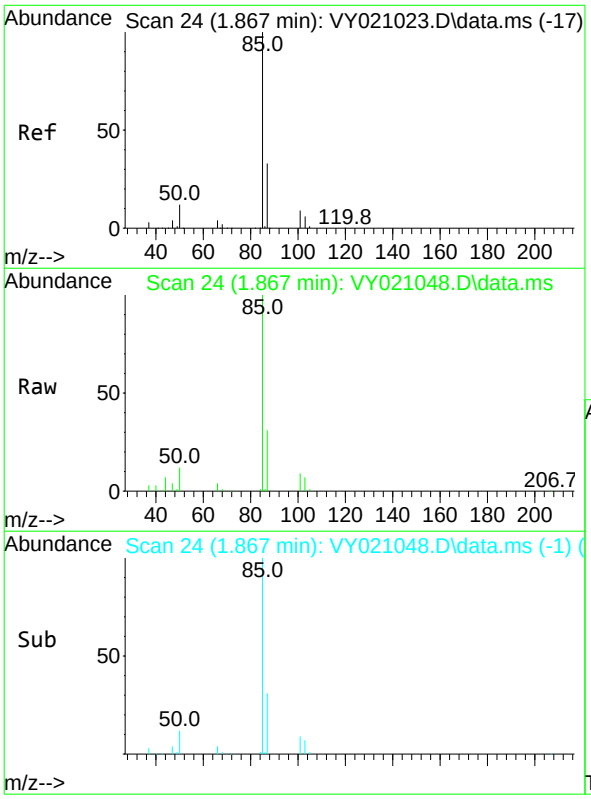
Ion	Ratio	Lower	Upper
168	100		
99	58.9	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

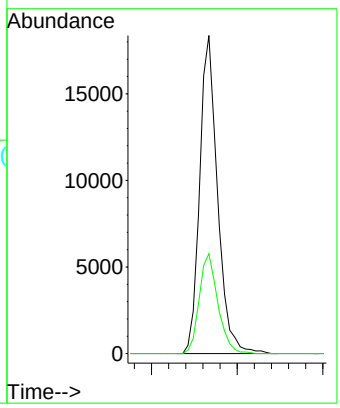
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

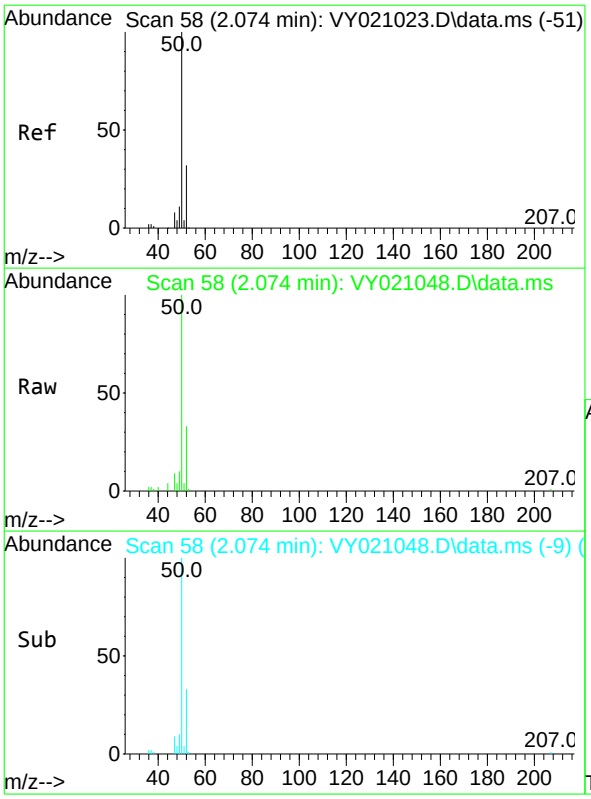


#2
Dichlorodifluoromethane
Concen: 18.656 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 85 Resp: 26561

Ion	Ratio	Lower	Upper
85	100		
87	31.4	17.1	51.3

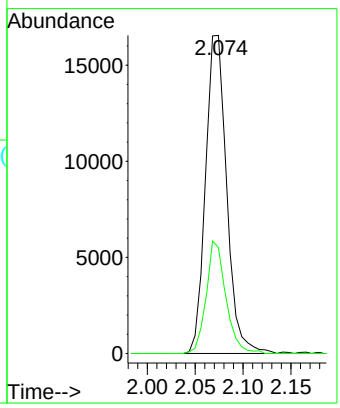




#3
Chloromethane
Concen: 18.120 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 50 Resp: 25456

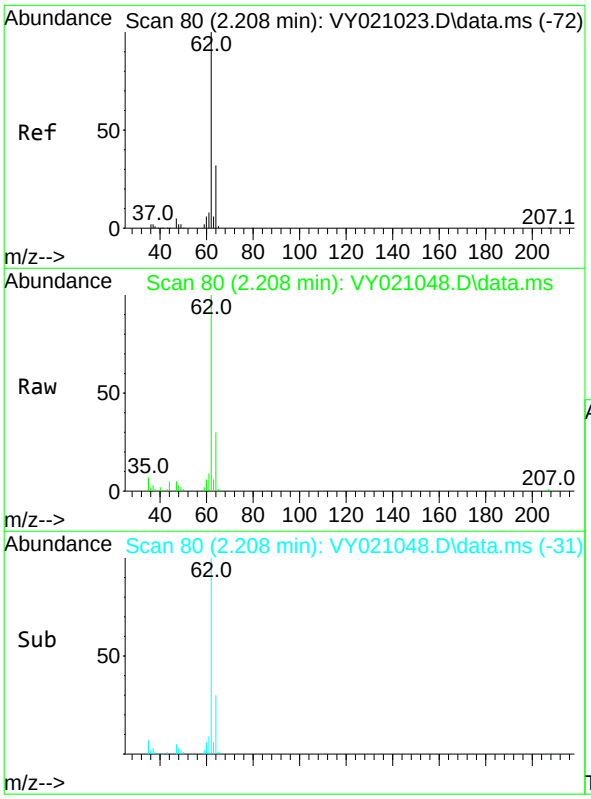
Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

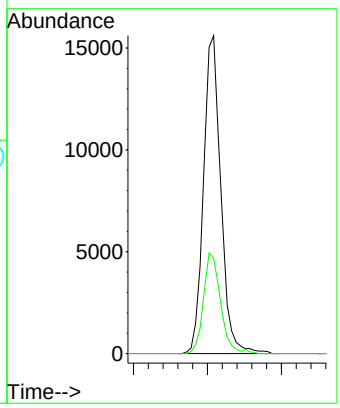
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

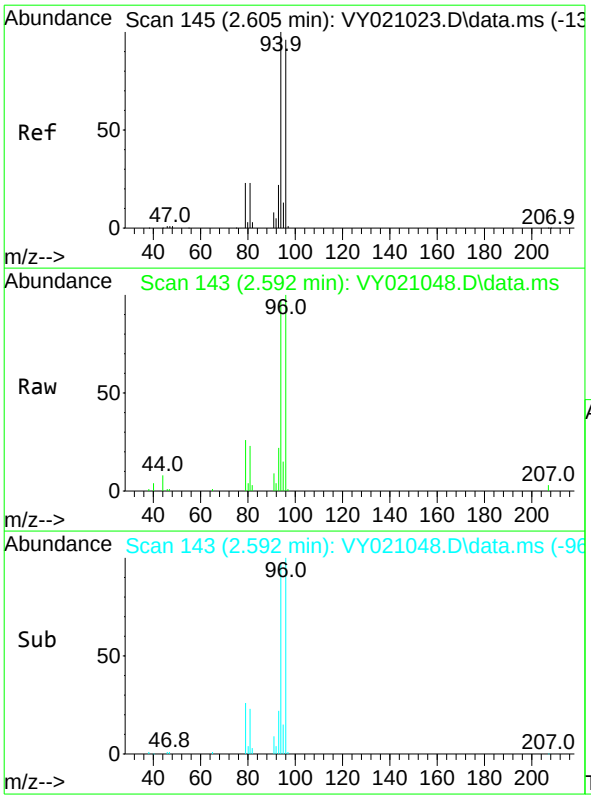


#4
Vinyl Chloride
Concen: 17.926 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 62 Resp: 25348

Ion	Ratio	Lower	Upper
62	100		
64	29.9	25.7	38.5

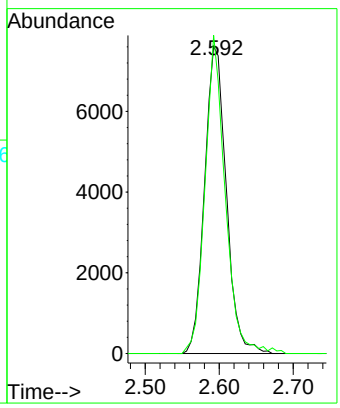




#5
Bromomethane
Concen: 17.766 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 94 Resp: 15527

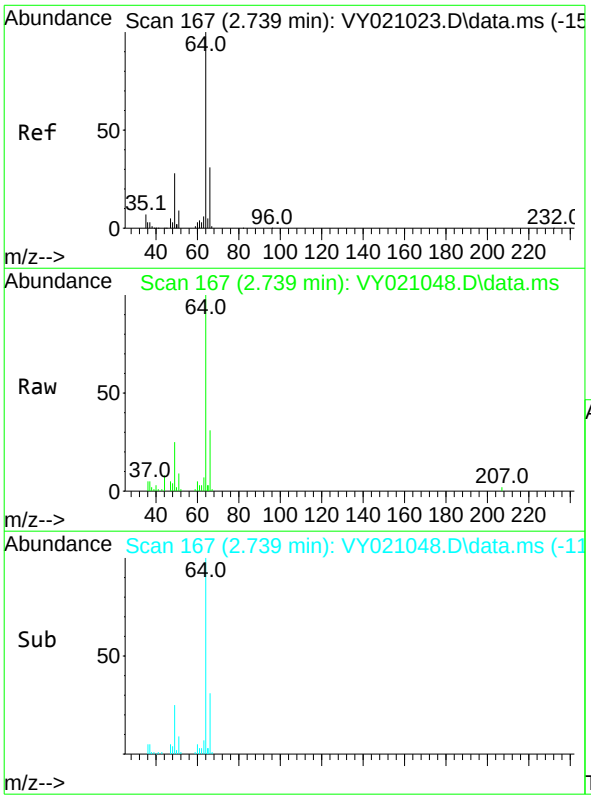
Ion	Ratio	Lower	Upper
94	100		
96	103.6	77.3	115.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

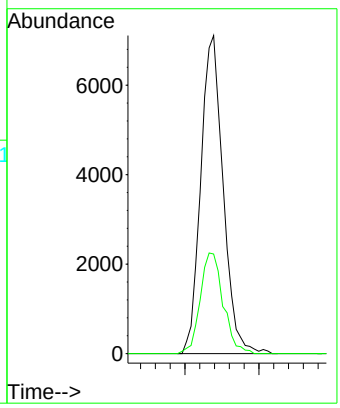
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

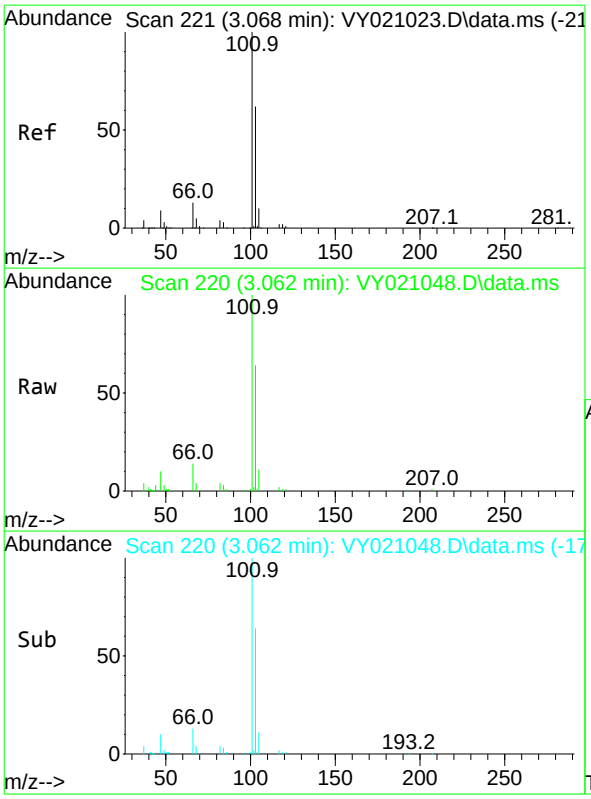


#6
Chloroethane
Concen: 17.722 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 64 Resp: 14918

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.1	37.7

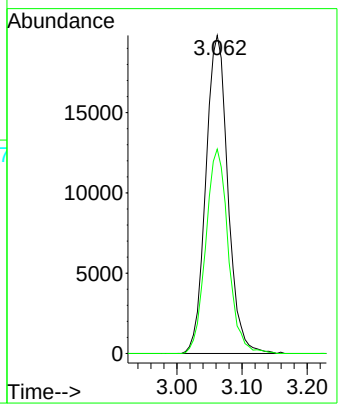




#7
Trichlorofluoromethane
Concen: 18.102 ug/l
RT: 3.062 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:101 Resp: 46635

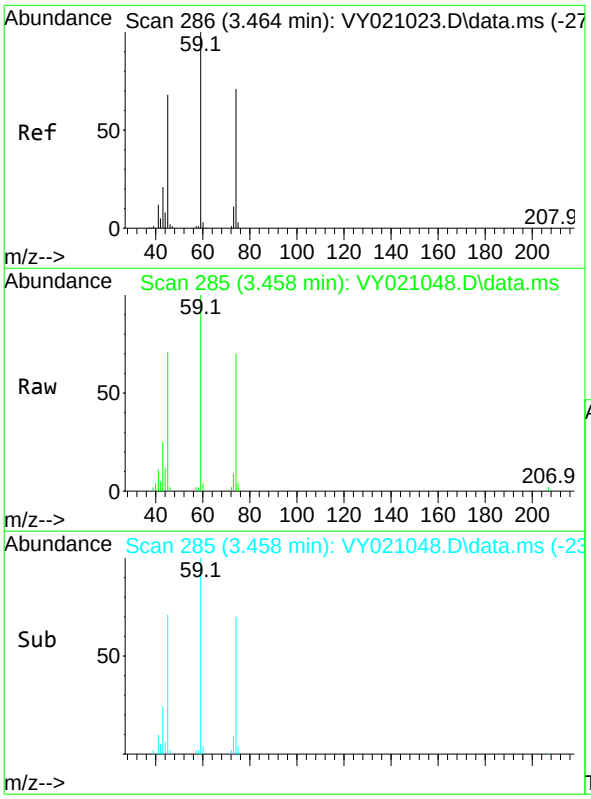
Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
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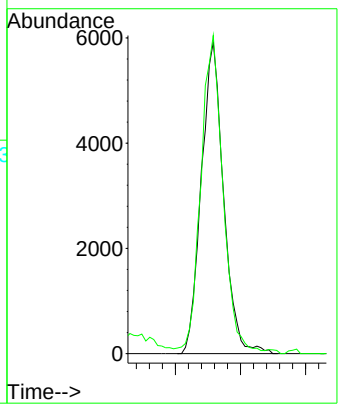
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

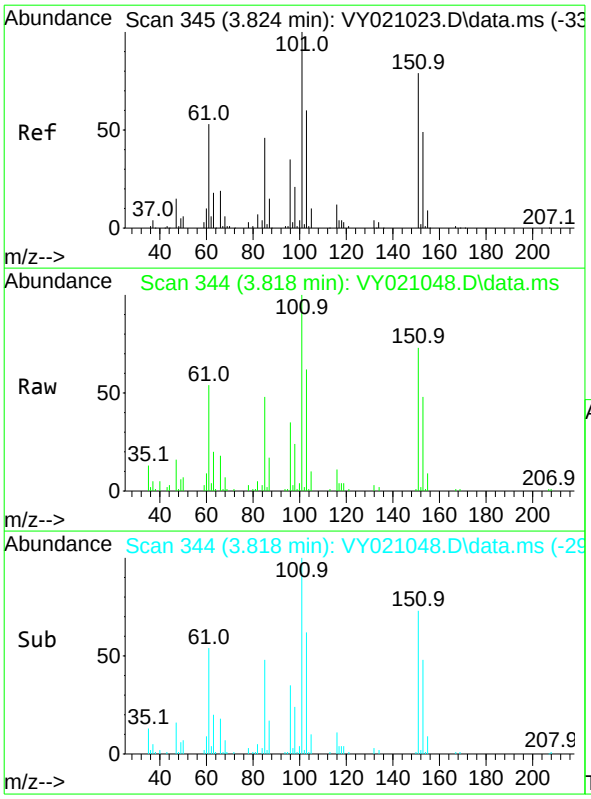


#8
Diethyl Ether
Concen: 17.442 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 74 Resp: 14027

Ion	Ratio	Lower	Upper
74	100		
45	99.6	47.9	143.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.852 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

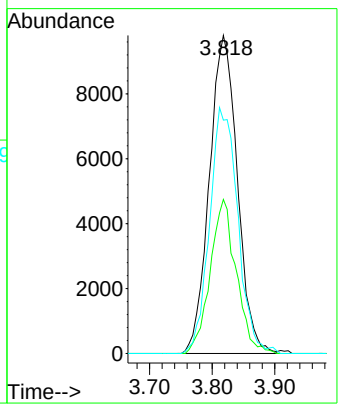
Tgt Ion:101 Resp: 30481

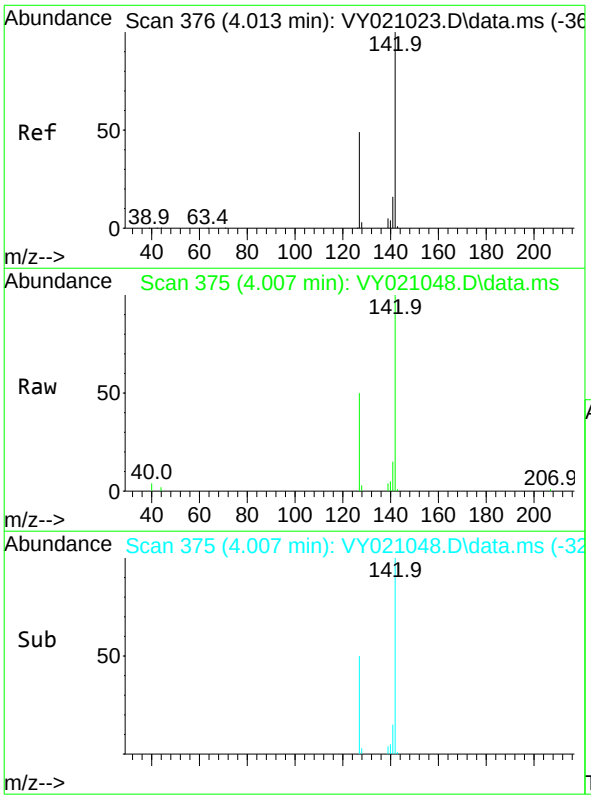
Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.8	53.6
151	78.0	58.6	88.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

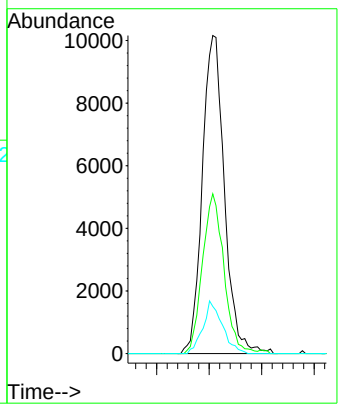


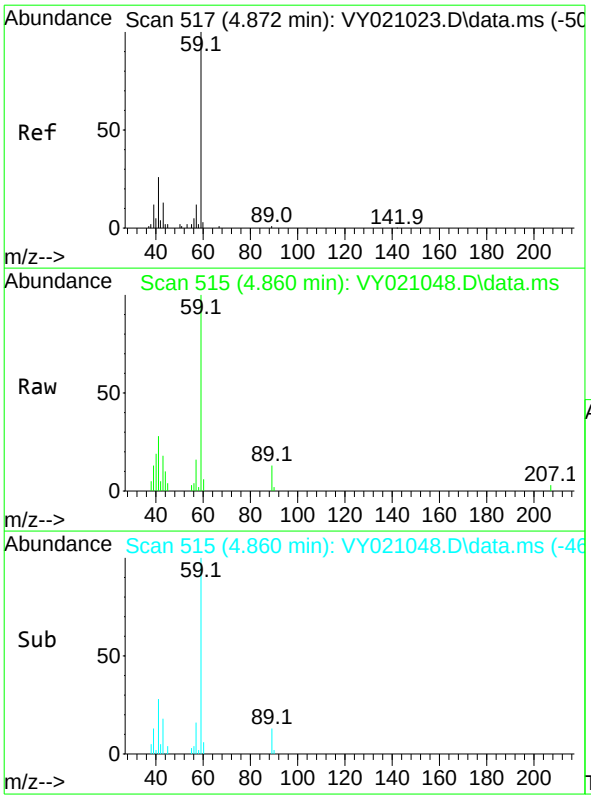


#10
Methyl Iodide
Concen: 16.520 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:142 Resp: 29675

Ion	Ratio	Lower	Upper
142	100		
127	48.8	35.1	52.7
141	14.6	11.8	17.6

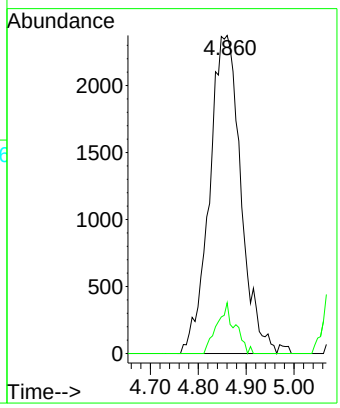




#11
Tert butyl alcohol
Concen: 97.522 ug/l
RT: 4.860 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 59 Resp: 10816

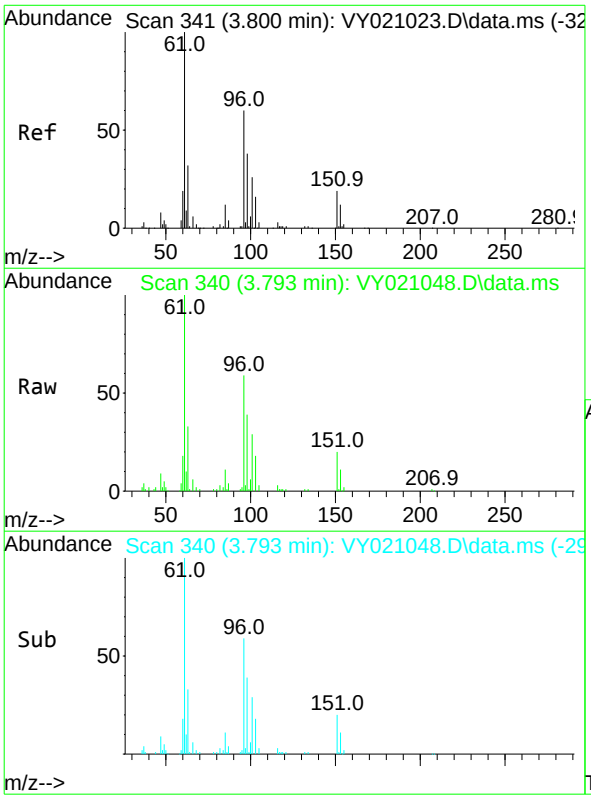
Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

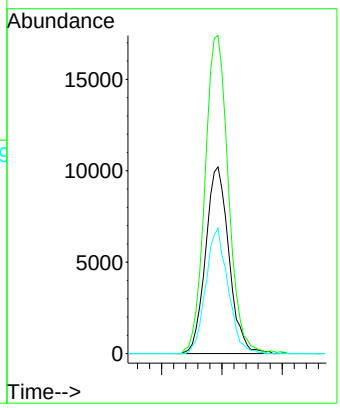
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

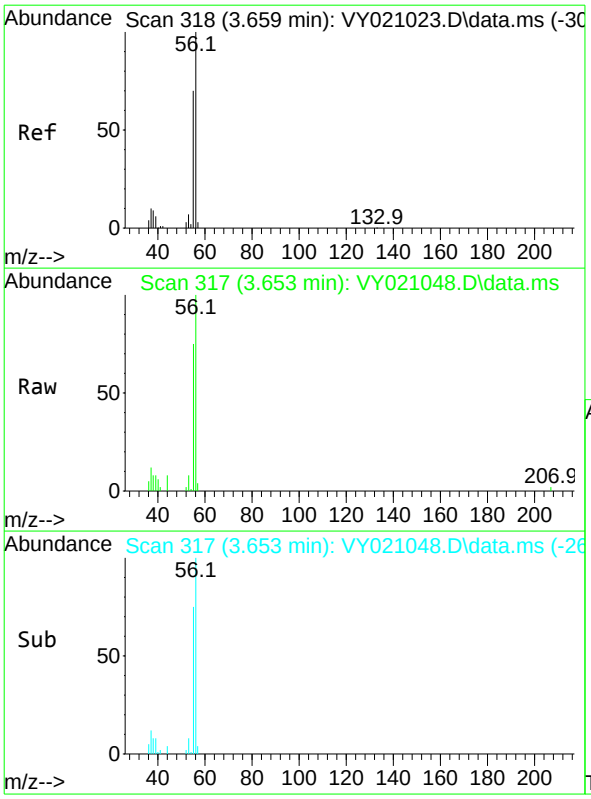


#12
1,1-Dichloroethene
Concen: 18.062 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 96 Resp: 27509

Ion	Ratio	Lower	Upper
96	100		
61	170.3	124.2	186.2
98	67.1	52.6	79.0

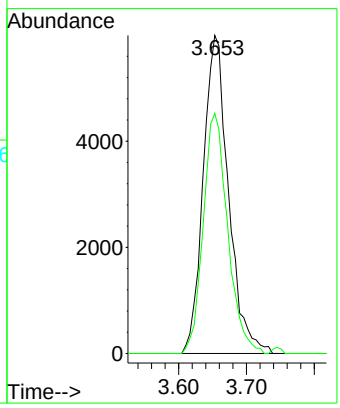




#13
Acrolein
Concen: 90.880 ug/l
RT: 3.653 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 56 Resp: 15521

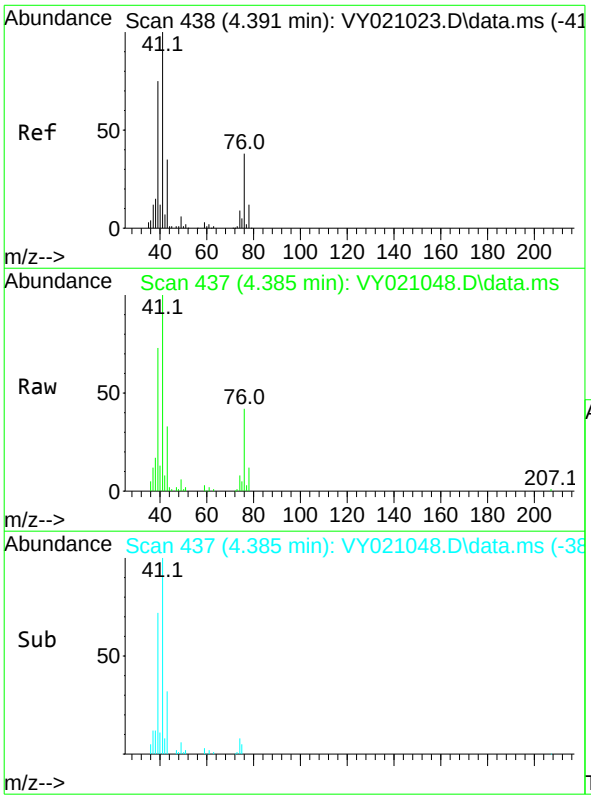
Ion	Ratio	Lower	Upper
56	100		
55	73.0	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

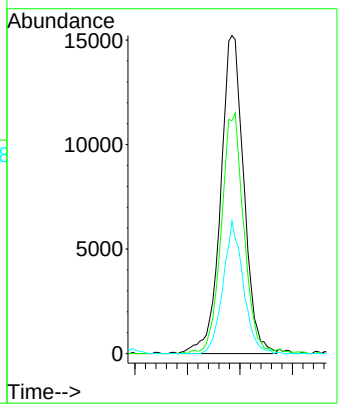
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

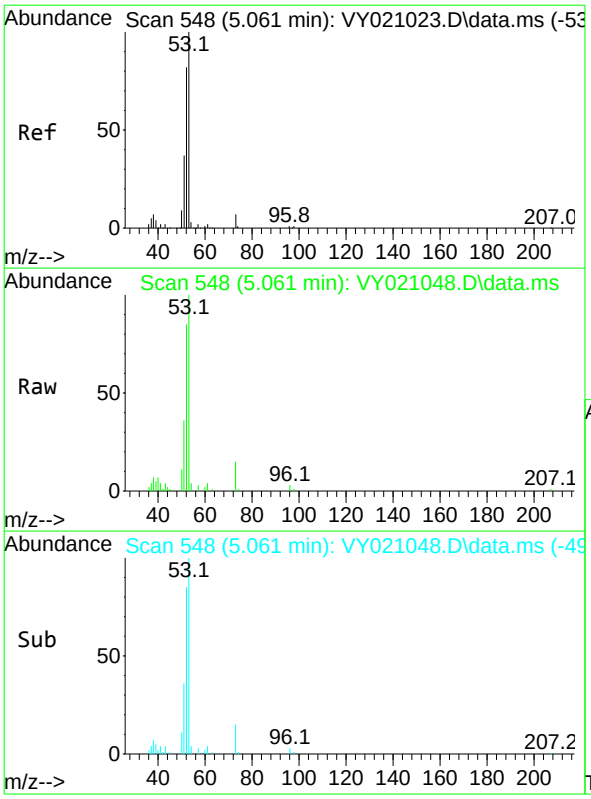


#14
Allyl chloride
Concen: 18.208 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 41 Resp: 46739

Ion	Ratio	Lower	Upper
41	100		
39	73.2	54.7	82.1
76	36.3	31.8	47.6

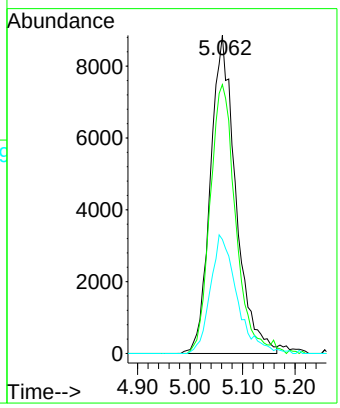




#15
Acrylonitrile
Concen: 88.918 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 53 Resp: 29778

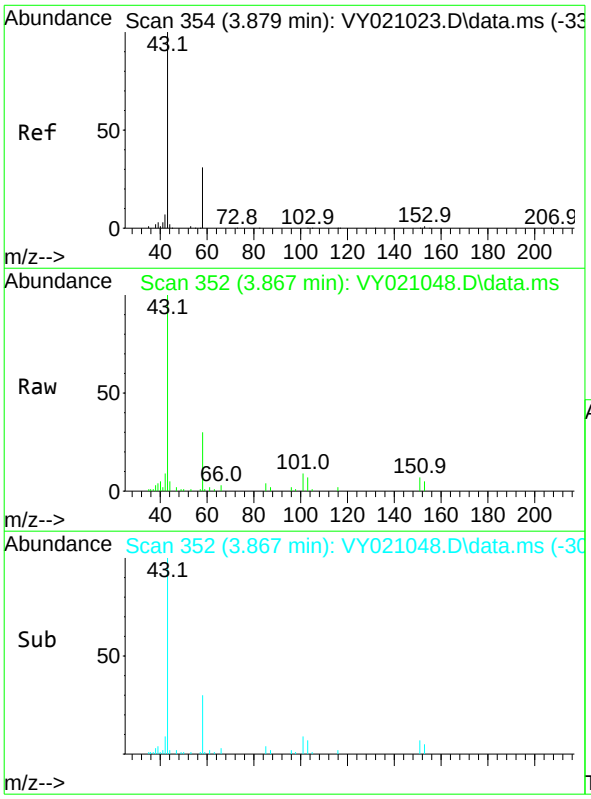
Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.1	97.7
51	39.1	29.0	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

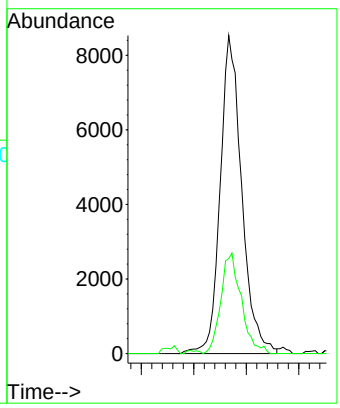
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

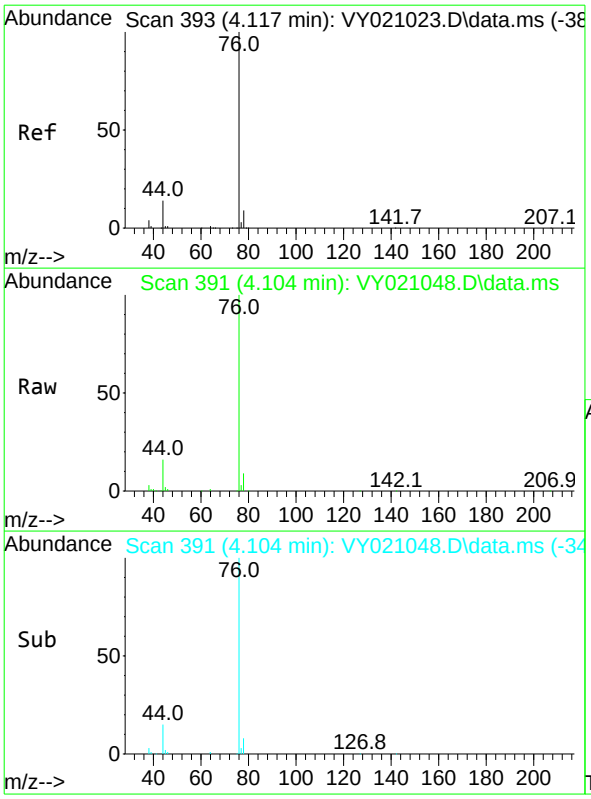


#16
Acetone
Concen: 95.329 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 43 Resp: 24331

Ion	Ratio	Lower	Upper
43	100		
58	29.8	26.6	39.8

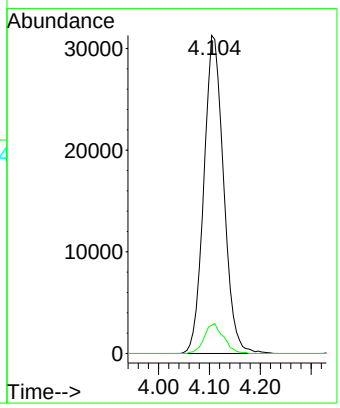




#17
Carbon Disulfide
Concen: 17.699 ug/l
RT: 4.104 min Scan# 39
Delta R.T. -0.012 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 76 Resp: 84527

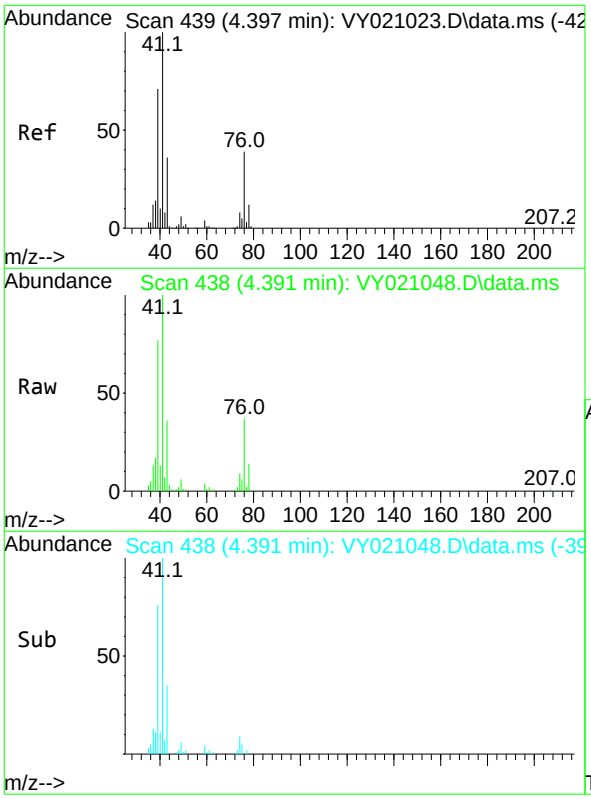
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

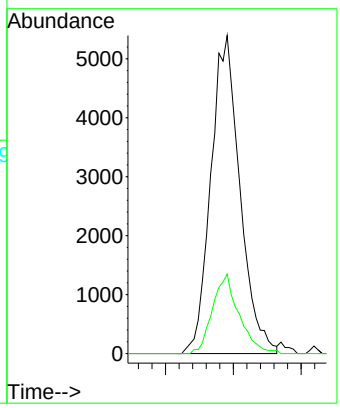
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

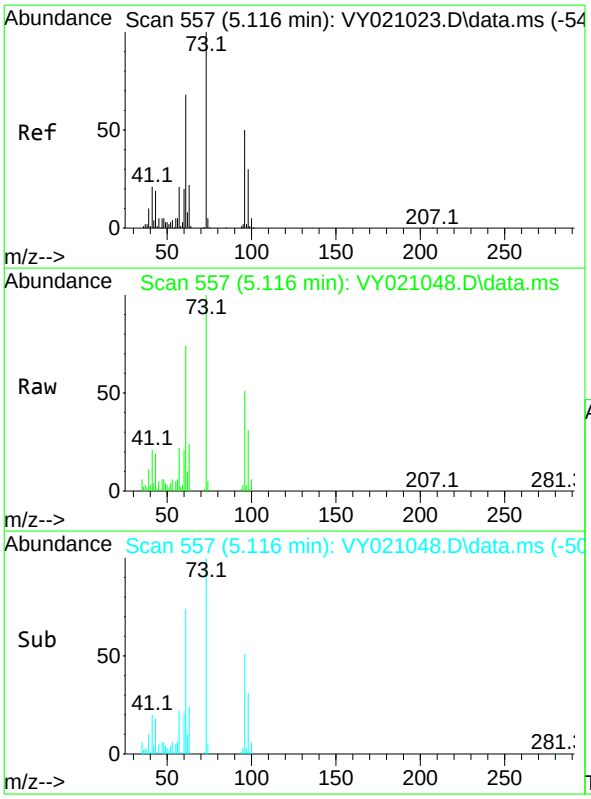


#18
Methyl Acetate
Concen: 17.967 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 43 Resp: 16098

Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.8	29.6

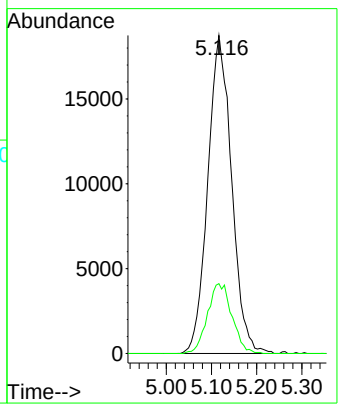




#19
Methyl tert-butyl Ether
Concen: 17.817 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 73 Resp: 68589

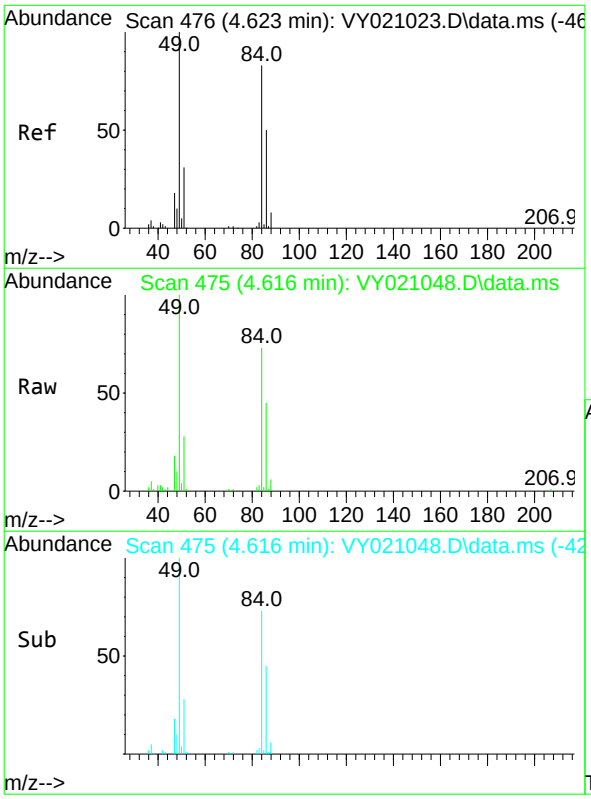
Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

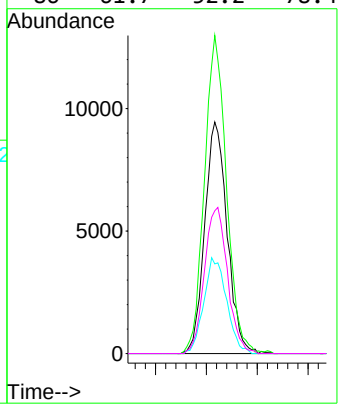
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

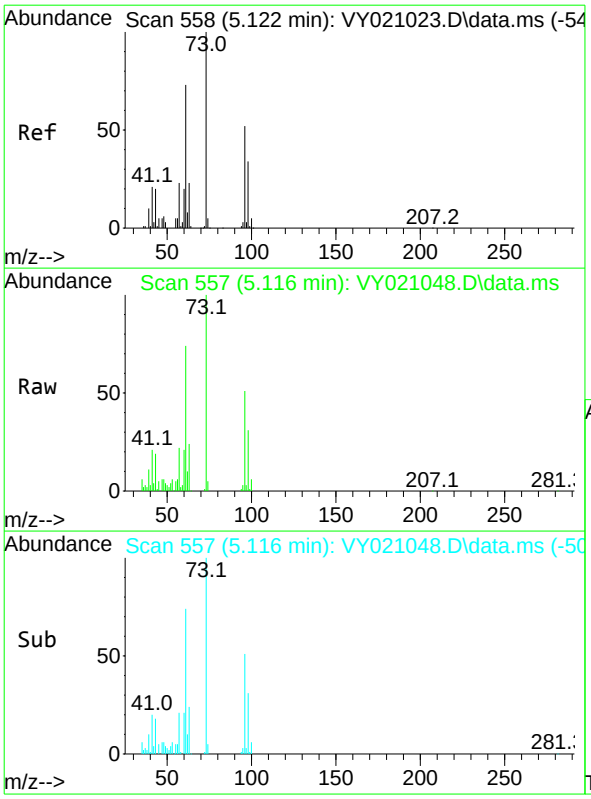


#20
Methylene Chloride
Concen: 18.264 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 84 Resp: 28978

Ion	Ratio	Lower	Upper
84	100		
49	137.3	95.2	142.8
51	38.7	29.9	44.9
86	61.7	52.2	78.4

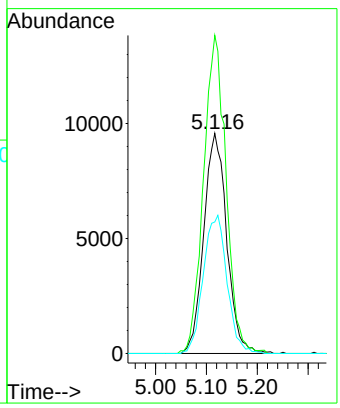




#21
trans-1,2-Dichloroethene
Concen: 17.925 ug/l
RT: 5.116 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 96 Resp: 30051

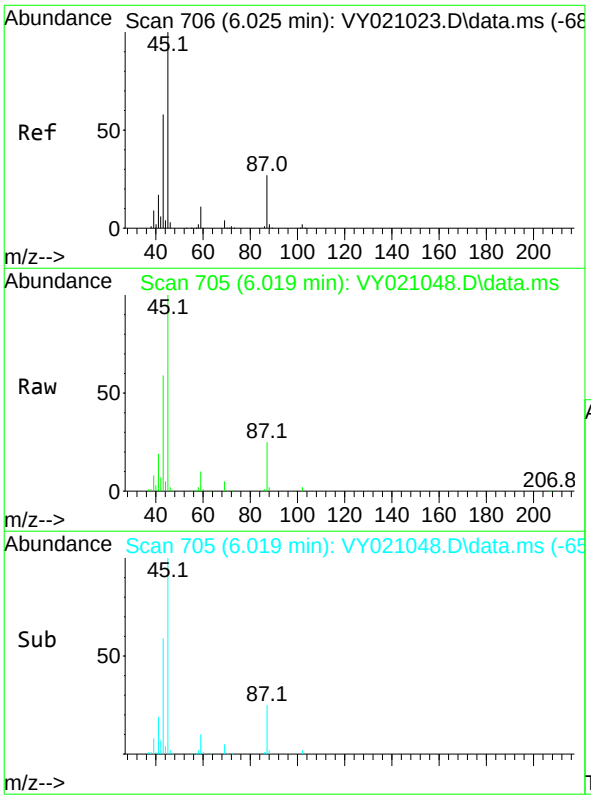
Ion	Ratio	Lower	Upper
96	100		
61	144.5	104.6	156.8
98	59.8	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

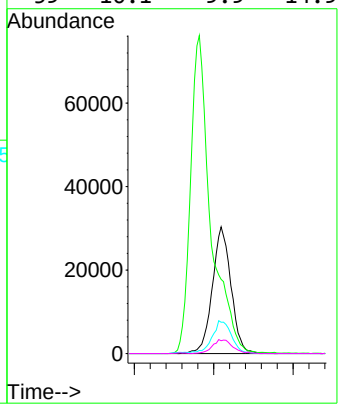
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

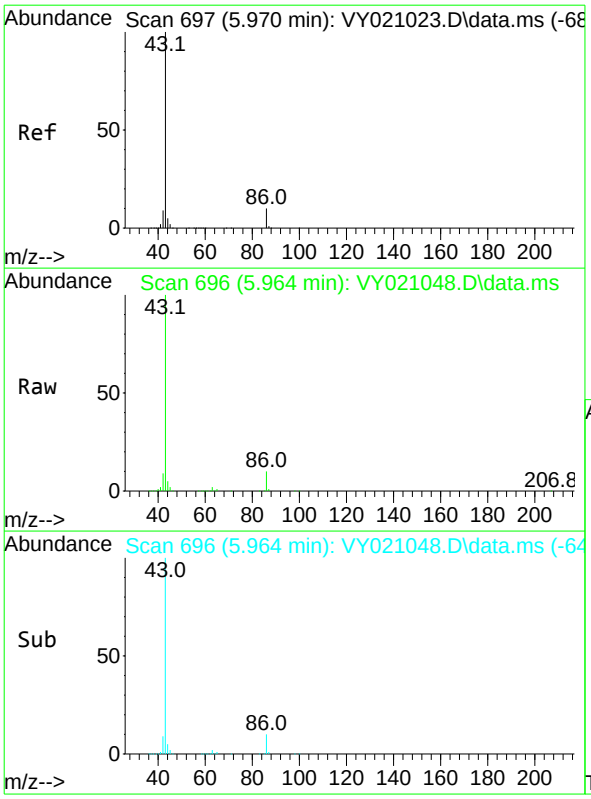


#22
Diisopropyl ether
Concen: 18.712 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 45 Resp: 99002

Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.8	70.2
87	24.7	22.2	33.2
59	10.1	9.9	14.9

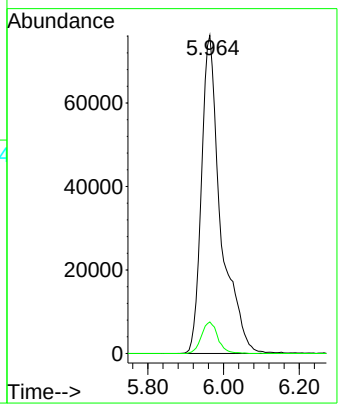




#23
Vinyl Acetate
Concen: 91.368 ug/l
RT: 5.964 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 43 Resp: 269489

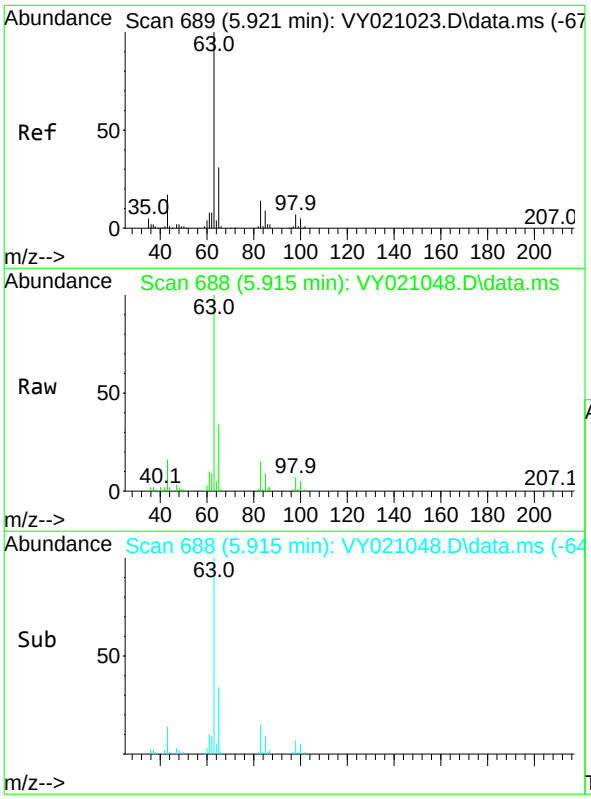
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

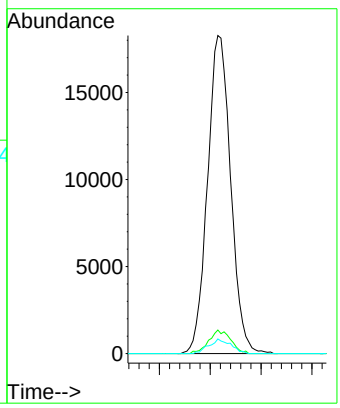
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

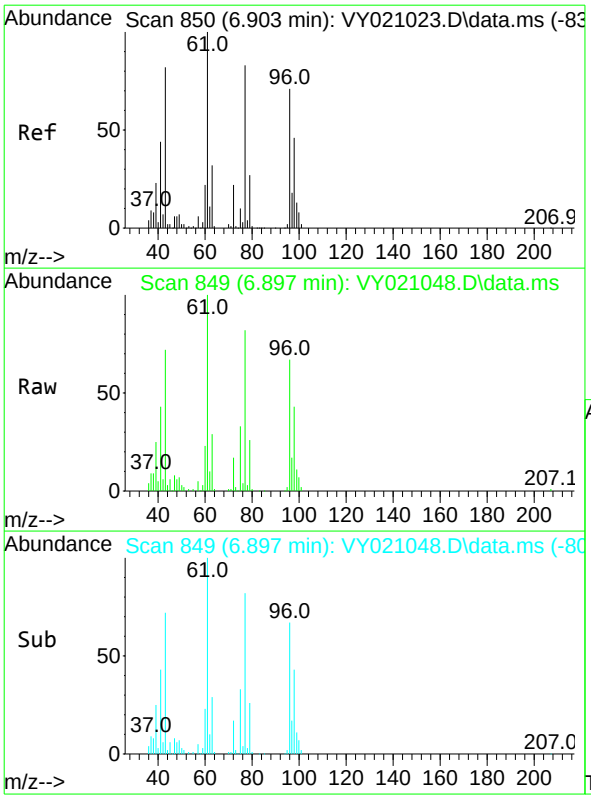


#24
1,1-Dichloroethane
Concen: 18.638 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 63 Resp: 57777

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.8	11.4
100	4.6	2.1	6.2

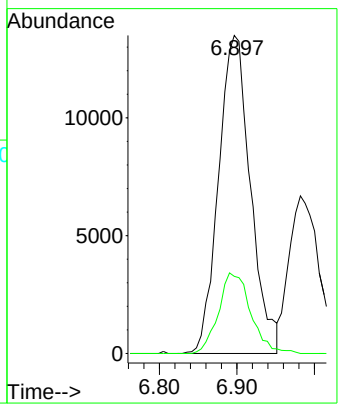




#25
2-Butanone
Concen: 92.245 ug/l
RT: 6.897 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 43 Resp: 38689

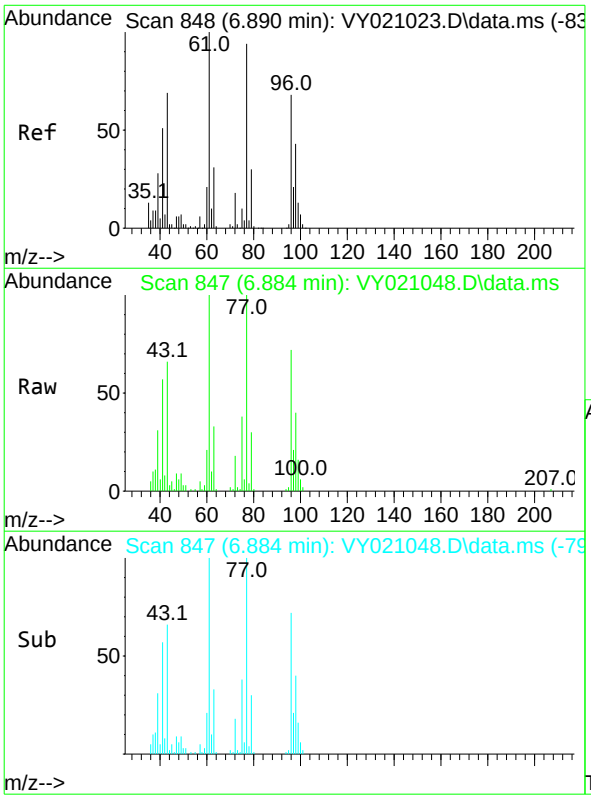
Ion	Ratio	Lower	Upper
43	100		
72	24.2	21.4	32.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

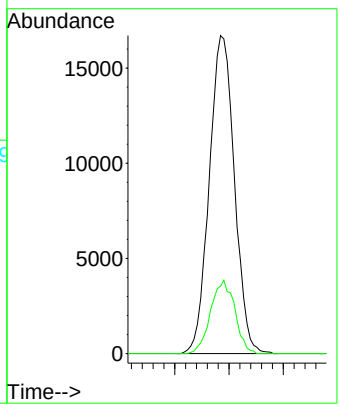
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

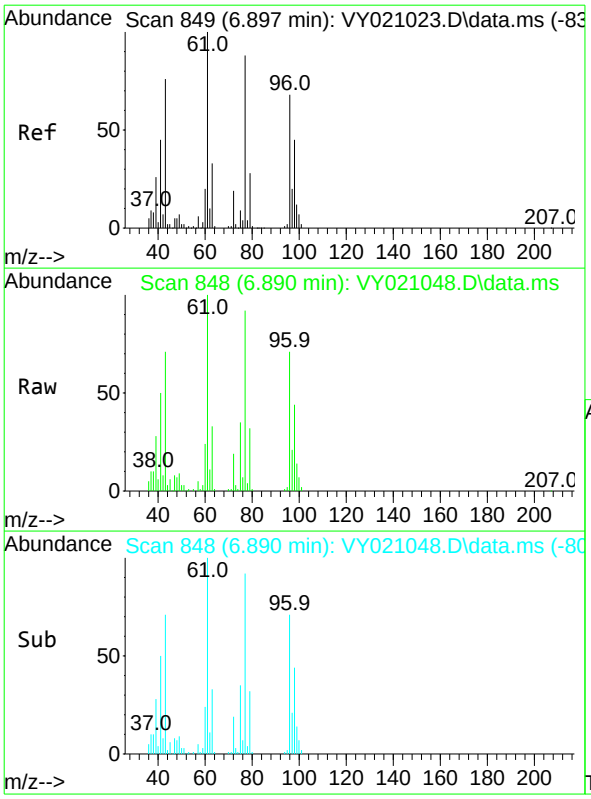


#26
2,2-Dichloropropane
Concen: 18.759 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 77 Resp: 53805

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.7	35.0

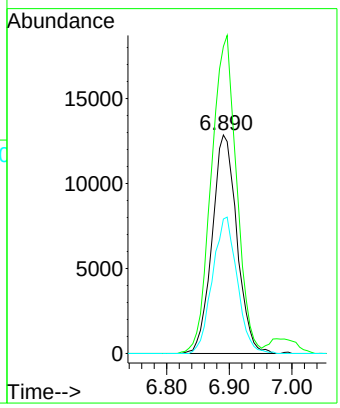




#27
cis-1,2-Dichloroethene
Concen: 18.330 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 96 Resp: 35371

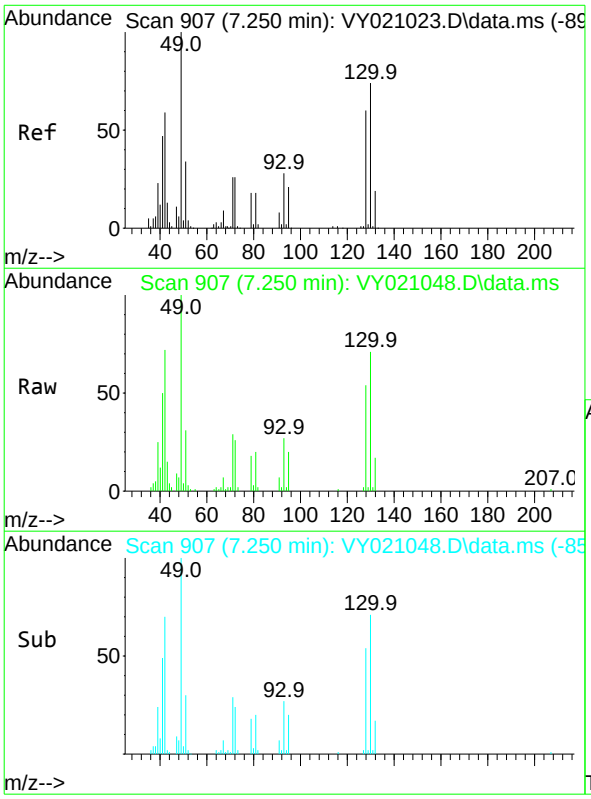
Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	278.8
98	62.4	0.0	127.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

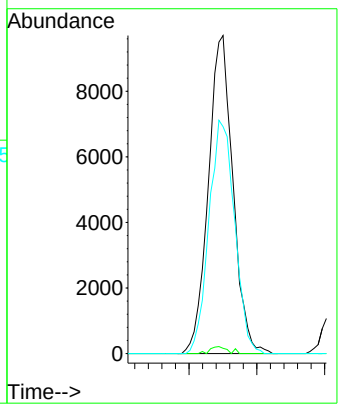
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

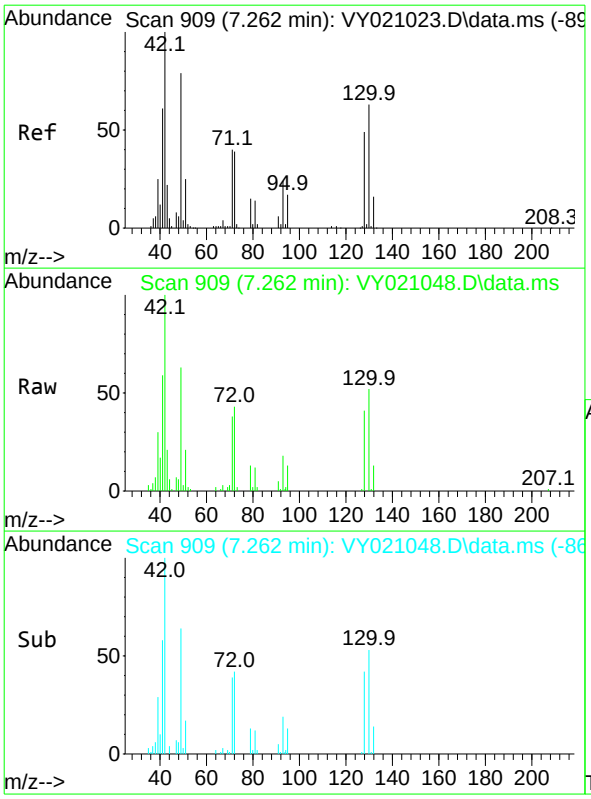


#28
Bromochloromethane
Concen: 19.906 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 49 Resp: 24400

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	76.7	59.8	89.8

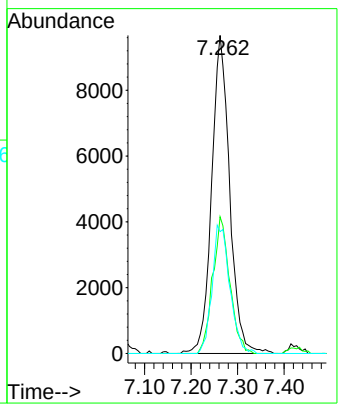




#29
Tetrahydrofuran
Concen: 91.585 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 42 Resp: 25992

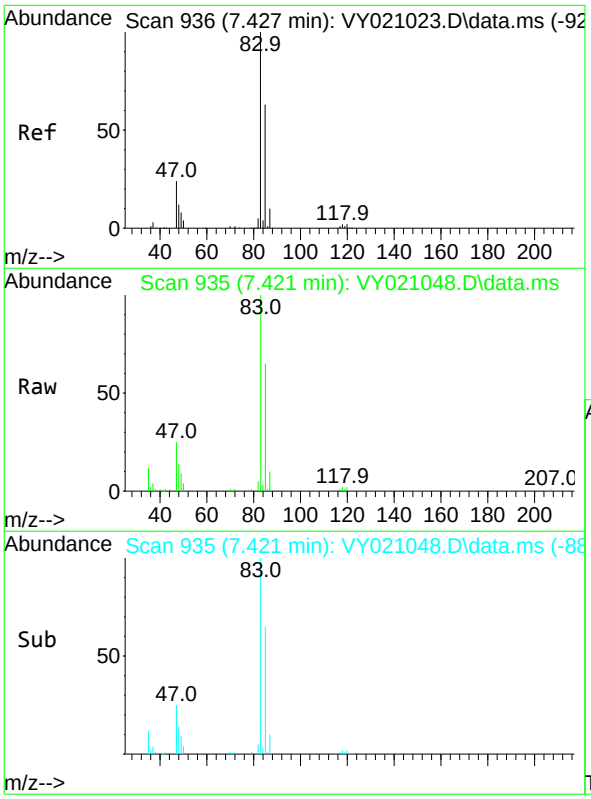
Ion	Ratio	Lower	Upper
42	100		
72	40.8	36.6	54.8
71	39.7	33.8	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

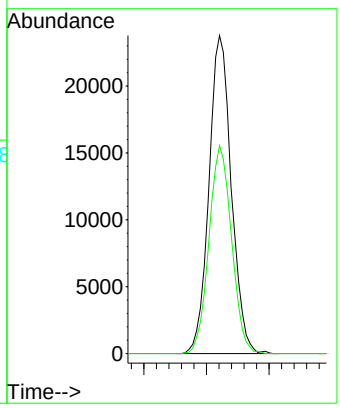
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

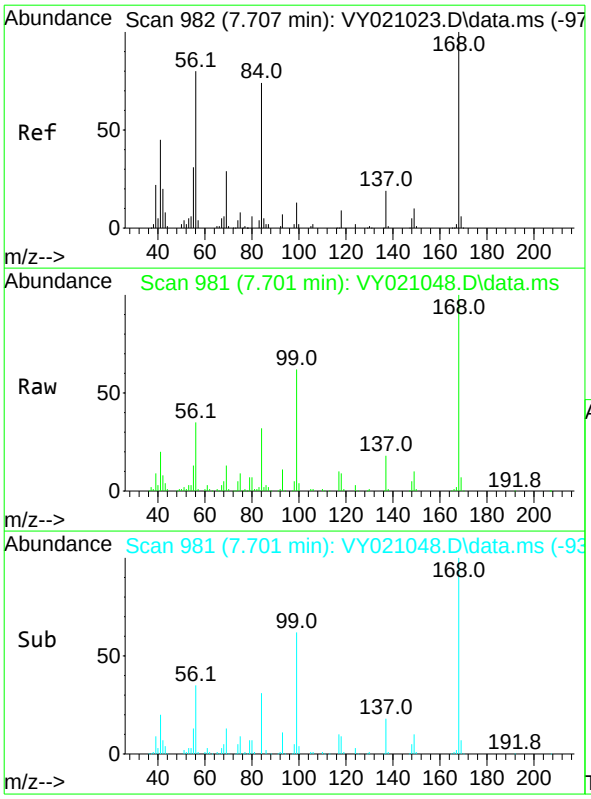


#30
Chloroform
Concen: 18.488 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 83 Resp: 58868

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.2	76.8

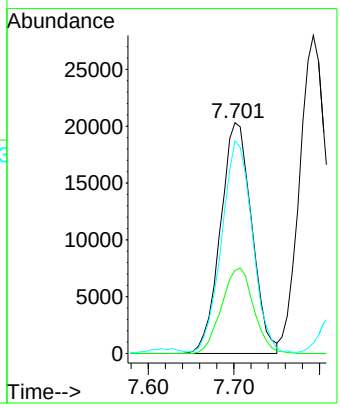




#31
Cyclohexane
Concen: 18.469 ug/l
RT: 7.701 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 56 Resp: 51555

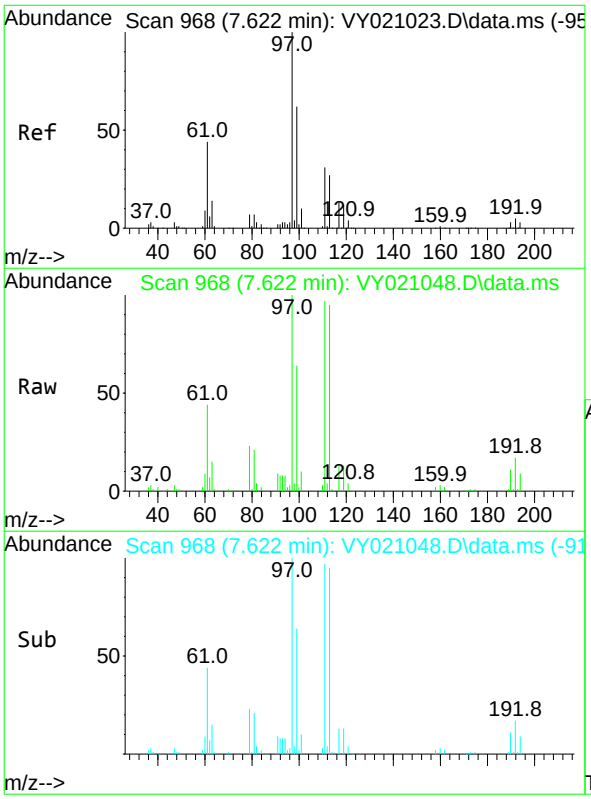
Ion	Ratio	Lower	Upper
56	100		
69	36.0	27.0	40.6
84	90.6	71.8	107.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

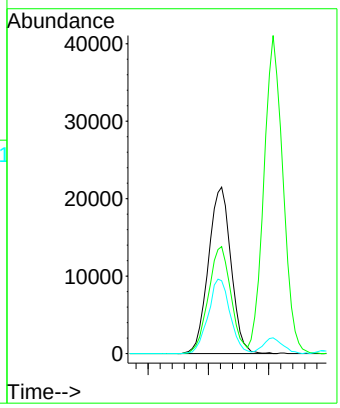
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

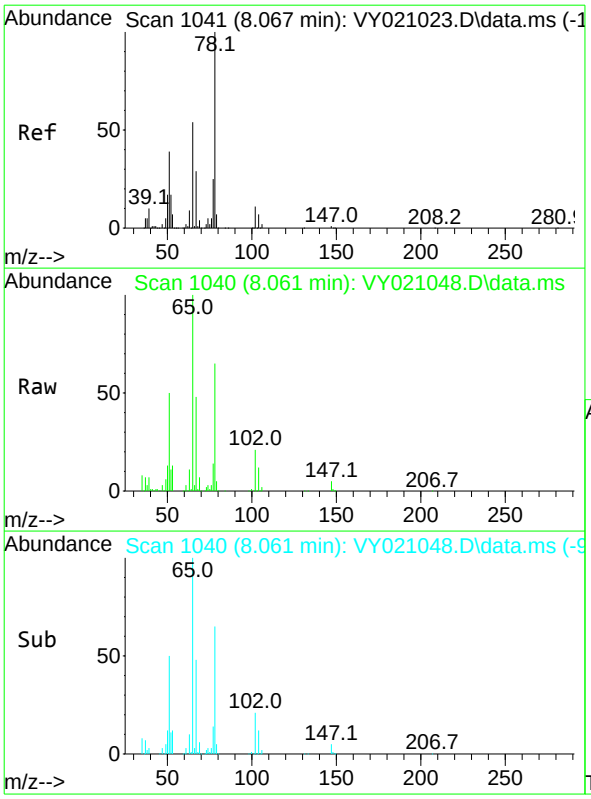


#32
1,1,1-Trichloroethane
Concen: 18.893 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 97 Resp: 55929

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	43.4	35.0	52.6

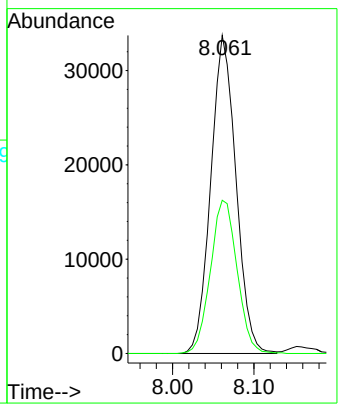




#33
1,2-Dichloroethane-d4
Concen: 44.323 ug/l
RT: 8.061 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 65 Resp: 72541

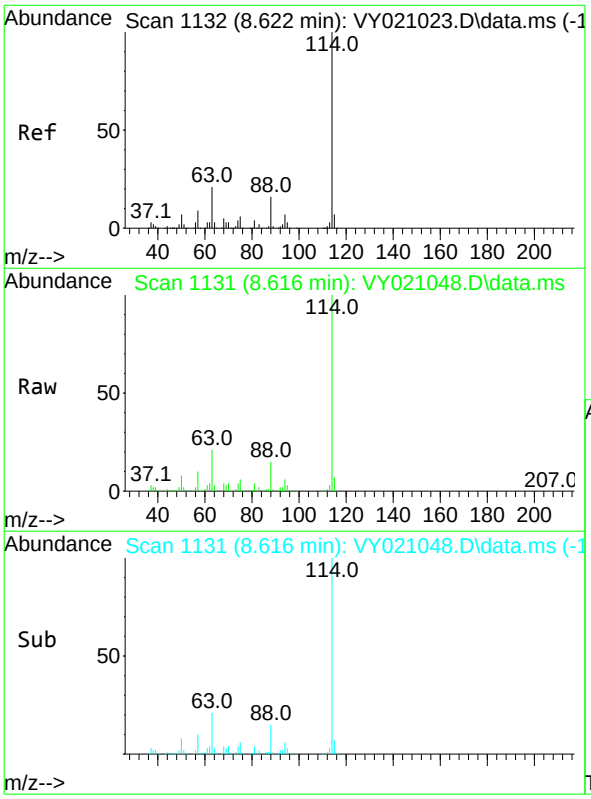
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

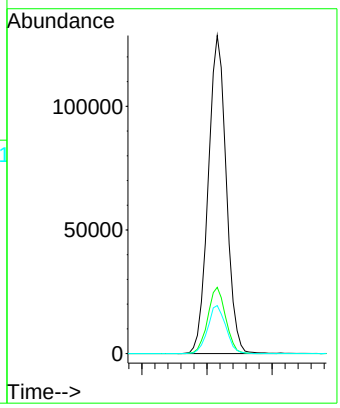
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

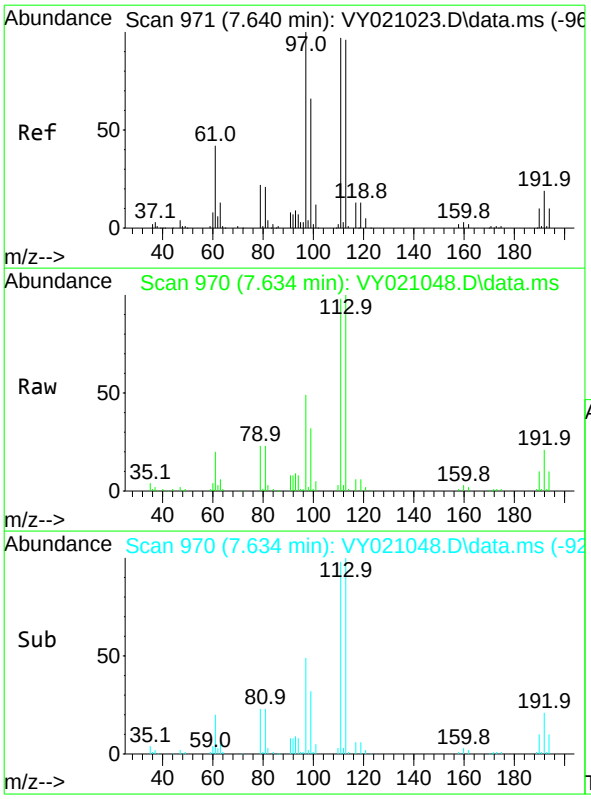


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:114 Resp: 247448

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	37.4
88	15.1	0.0	29.0

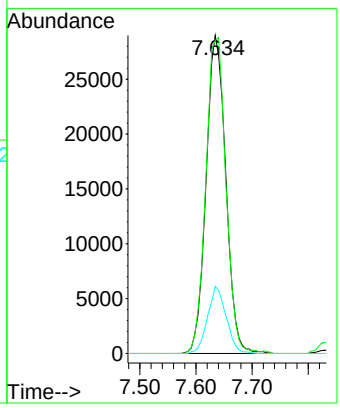




#35
Dibromofluoromethane
Concen: 44.595 ug/l
RT: 7.634 min Scan# 97
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:113 Resp: 70720

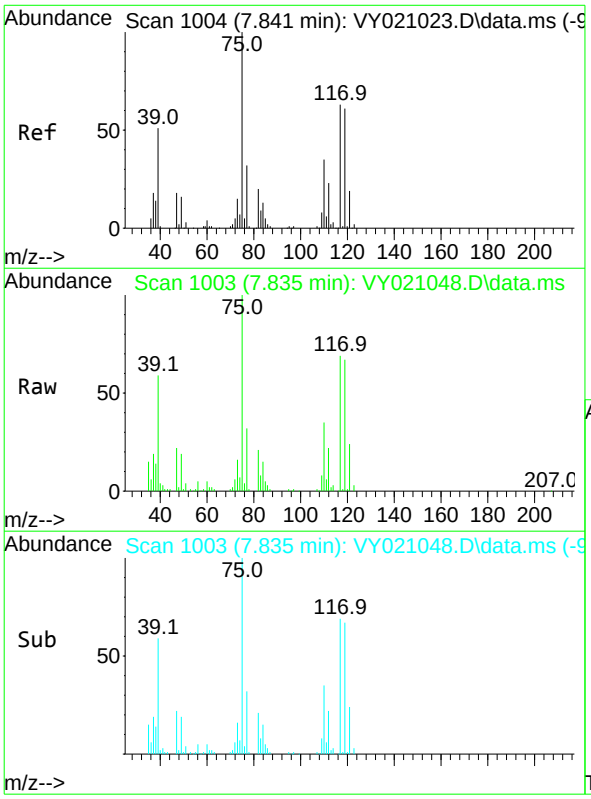
Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.8	125.6
192	19.9	14.5	21.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

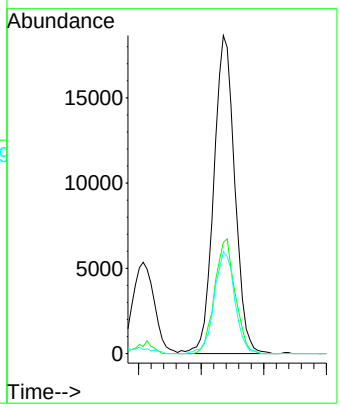
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

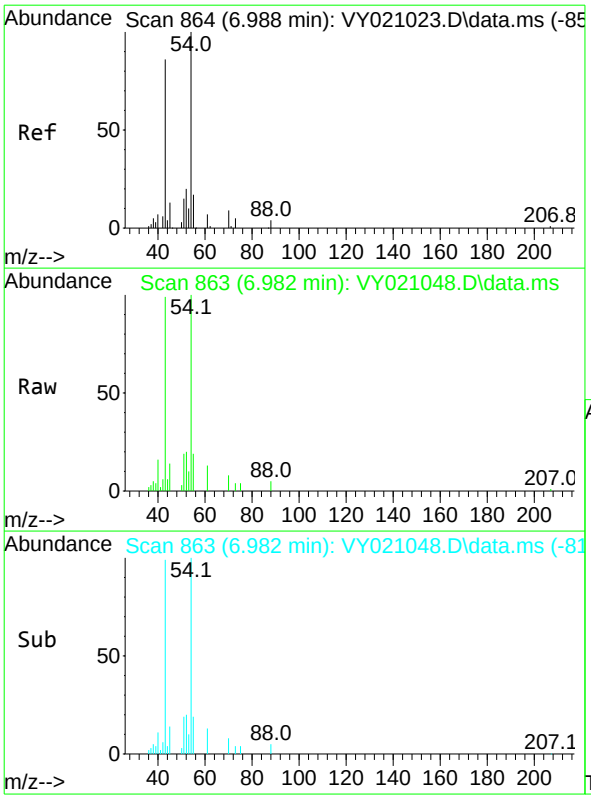


#36
1,1-Dichloropropene
Concen: 18.486 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 75 Resp: 43422

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.4	52.3
77	31.3	24.7	37.1





#37
Ethyl Acetate
Concen: 16.291 ug/l
RT: 6.982 min Scan# 86
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

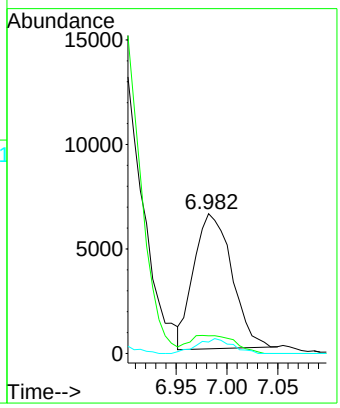
Tgt Ion: 43 Resp: 16787

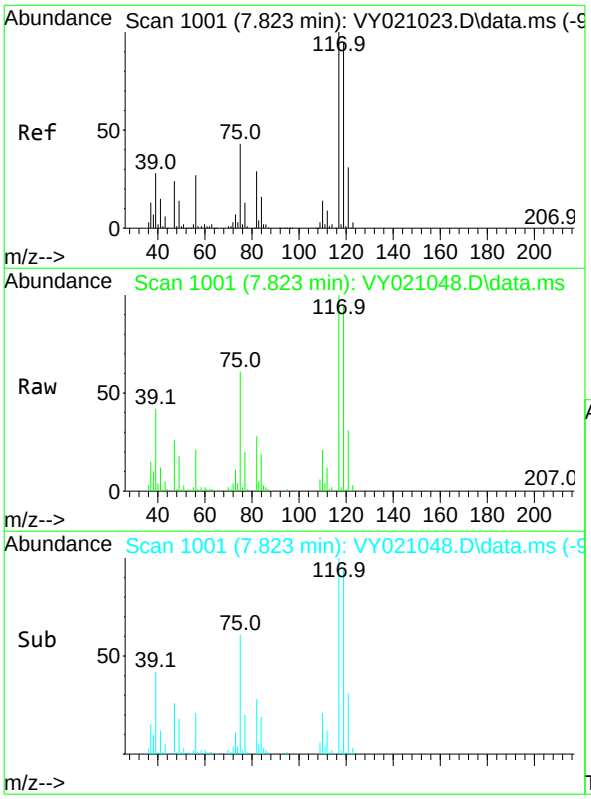
Ion	Ratio	Lower	Upper
43	100		
61	16.2	11.0	16.6
70	10.2	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

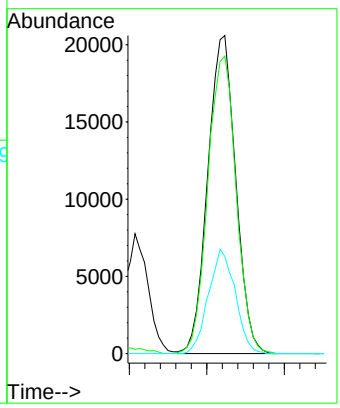


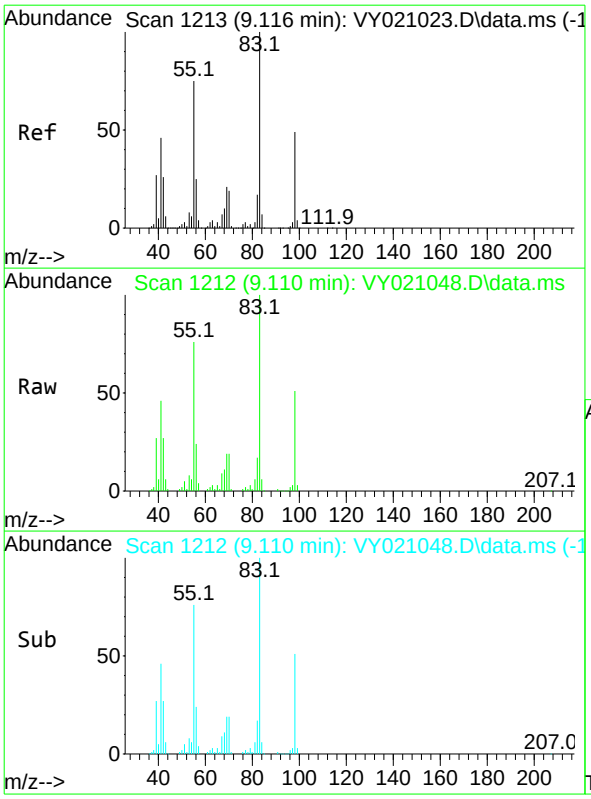


#38
Carbon Tetrachloride
Concen: 18.826 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:117 Resp: 51669

Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.0	114.0
121	30.6	24.2	36.2





#39
Methylcyclohexane
Concen: 18.368 ug/l
RT: 9.110 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

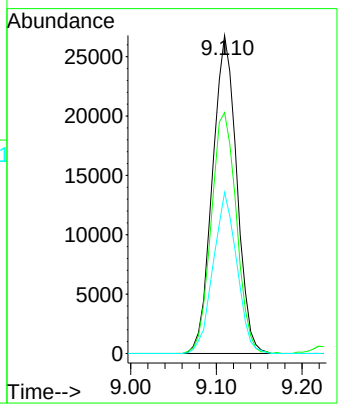
Tgt Ion: 83 Resp: 52772

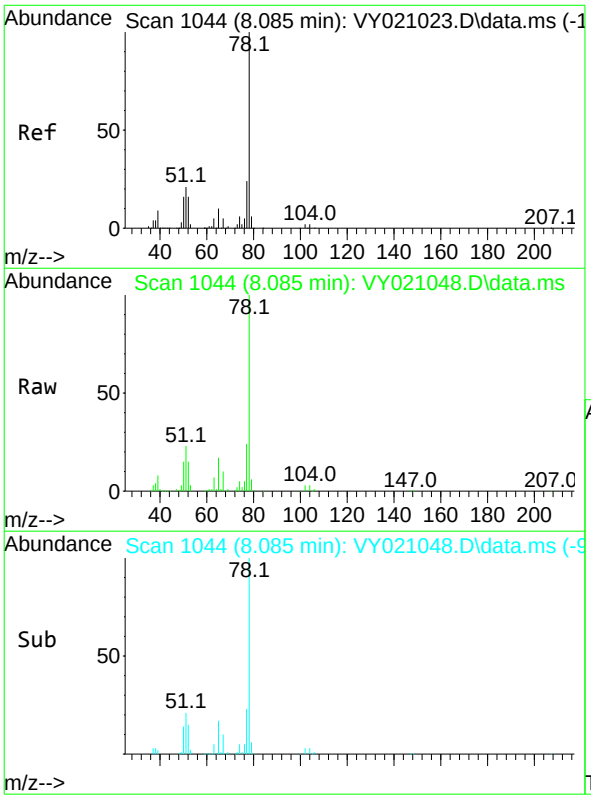
Ion	Ratio	Lower	Upper
83	100		
55	75.7	59.7	89.5
98	50.7	38.0	57.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

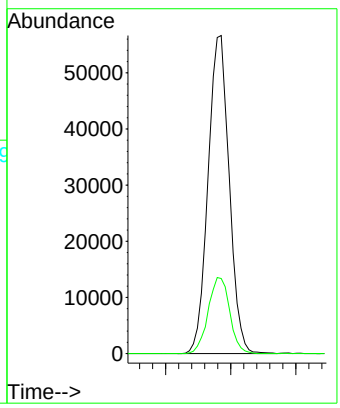


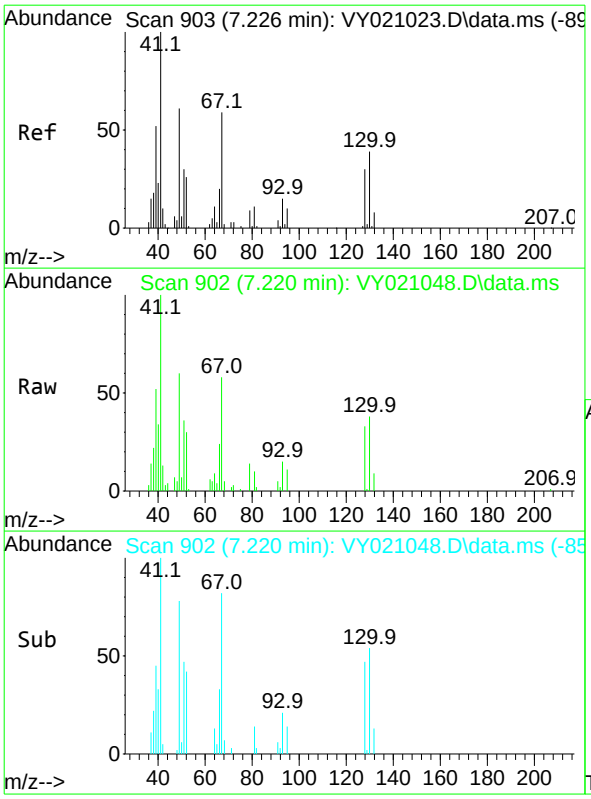


#40
Benzene
Concen: 18.531 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 78 Resp: 127737

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2

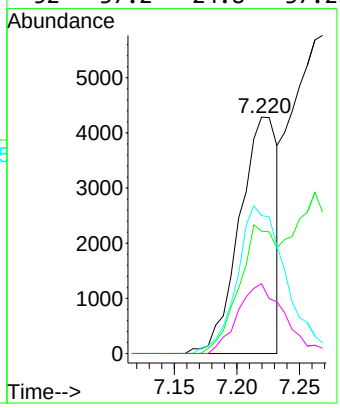




#41
Methacrylonitrile
Concen: 15.055 ug/l
RT: 7.220 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 41 Resp: 8975

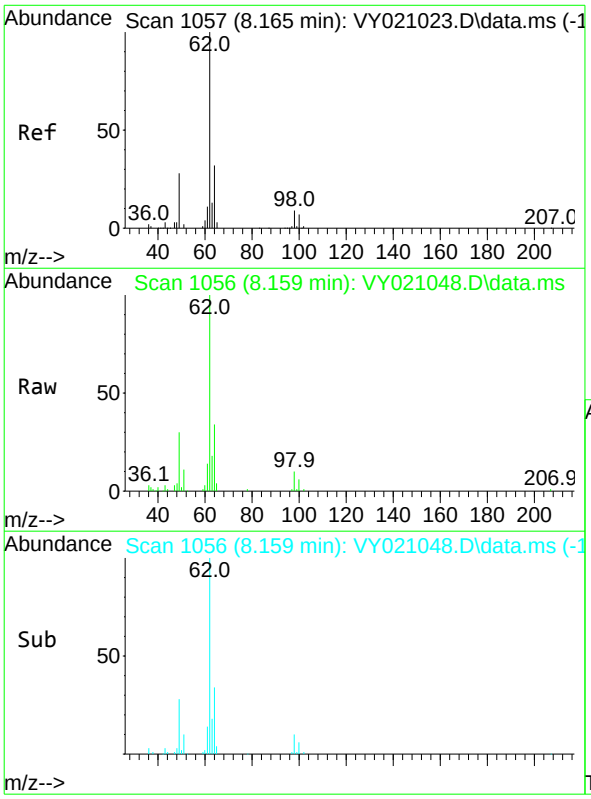
Ion	Ratio	Lower	Upper
41	100		
39	53.1	41.9	62.9
67	81.4	59.8	89.6
52	37.2	24.8	37.2#



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

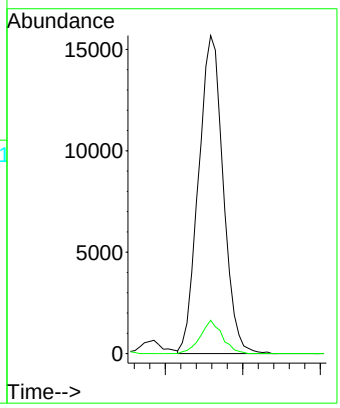
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

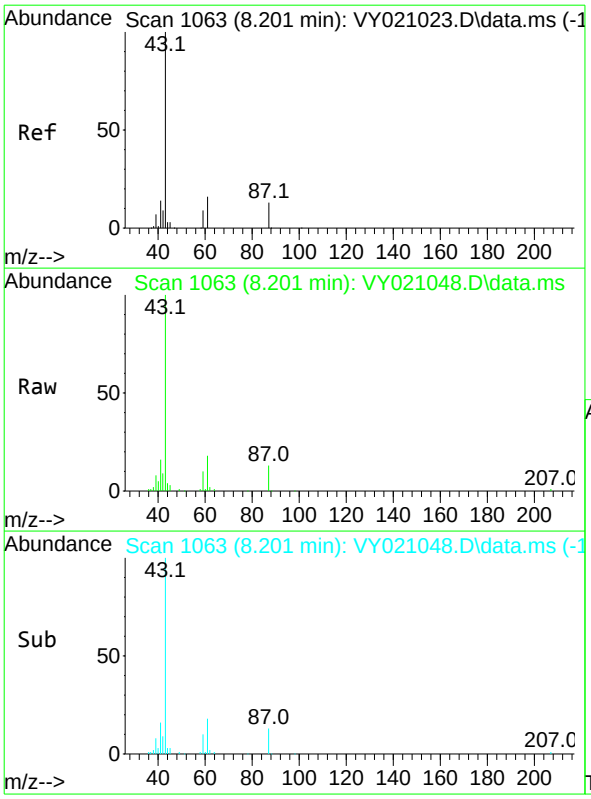


#42
1,2-Dichloroethane
Concen: 18.127 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 62 Resp: 34662

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.2

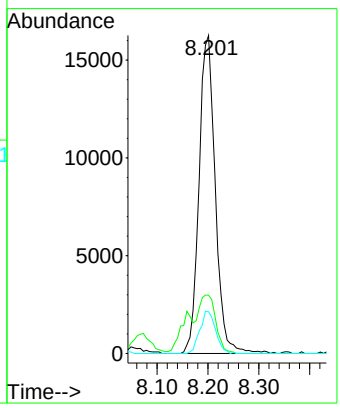




#43
Isopropyl Acetate
Concen: 17.647 ug/l
RT: 8.201 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 43 Resp: 36132

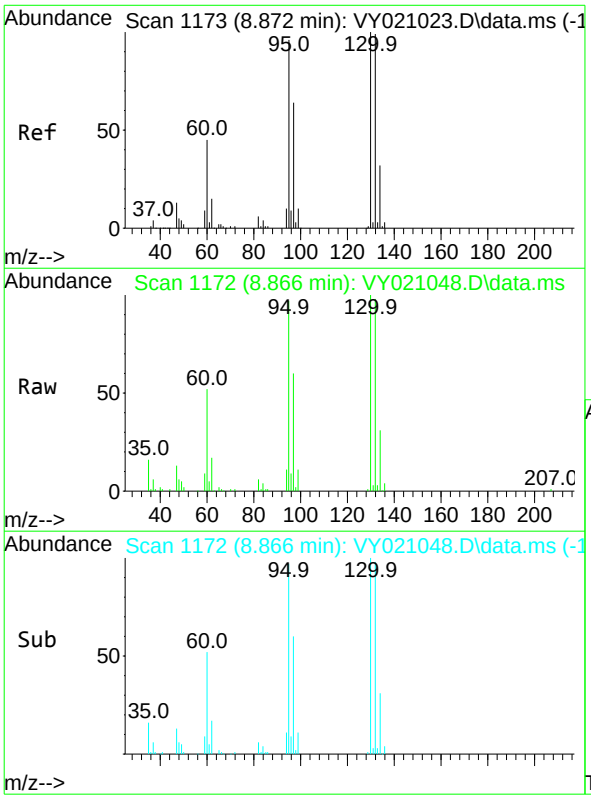
Ion	Ratio	Lower	Upper
43	100		
61	20.1	24.8	37.2#
87	12.9	10.7	16.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

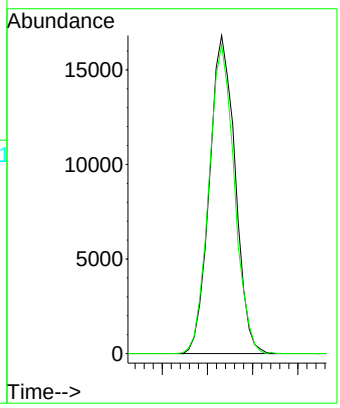
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

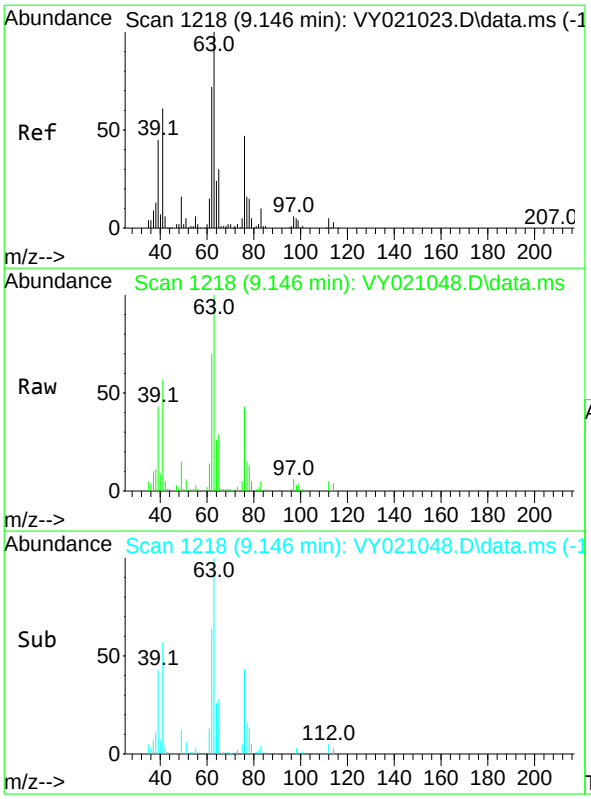


#44
Trichloroethene
Concen: 18.593 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:130 Resp: 33112

Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	203.8

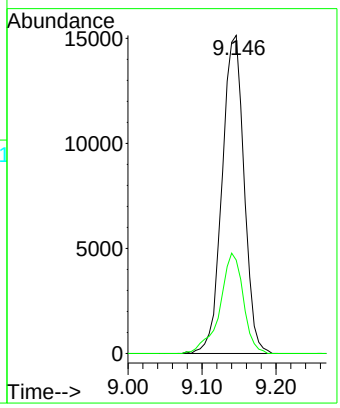




#45
1,2-Dichloropropane
Concen: 19.064 ug/l
RT: 9.146 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 63 Resp: 31191

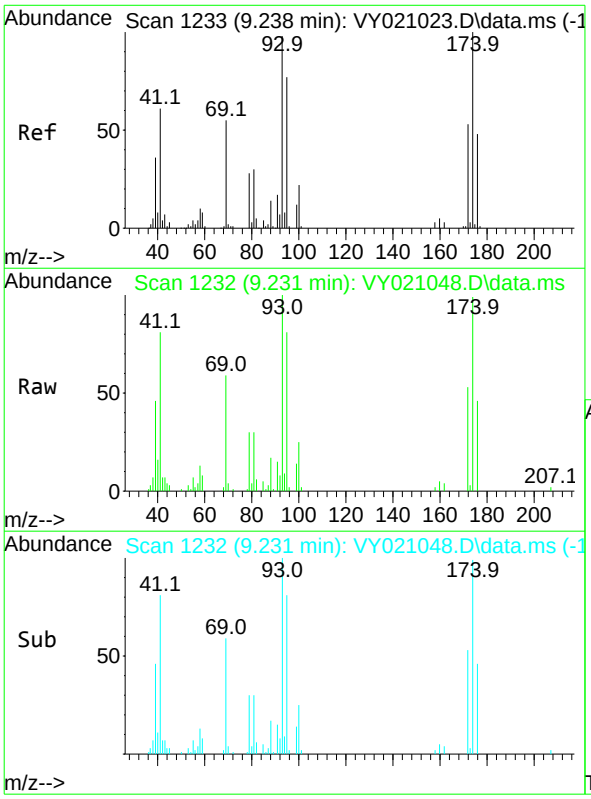
Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

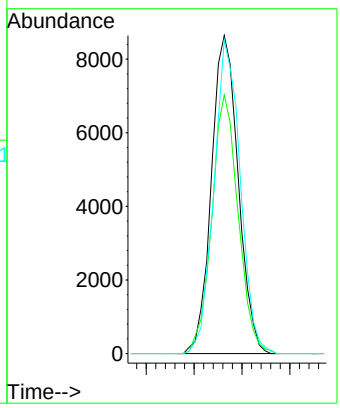
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

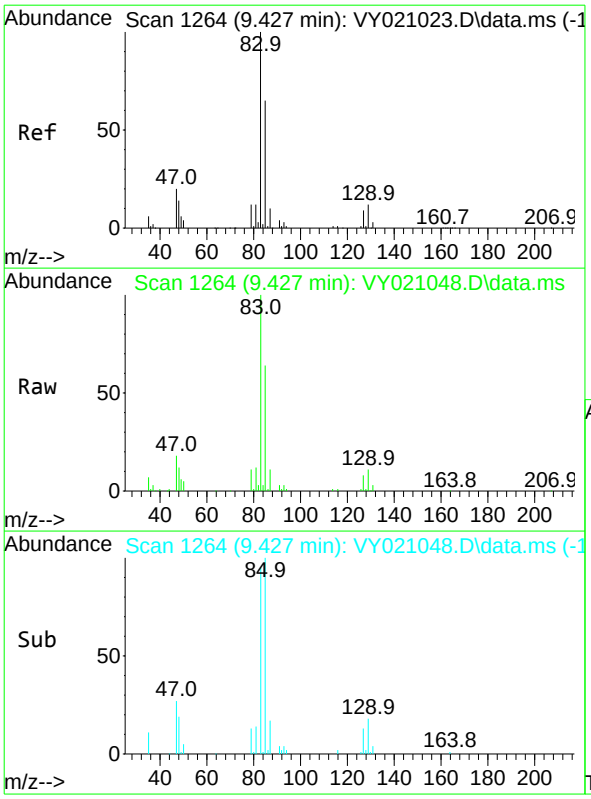


#46
Dibromomethane
Concen: 18.543 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 93 Resp: 16797

Ion	Ratio	Lower	Upper
93	100		
95	79.9	66.6	99.8
174	96.9	73.8	110.6

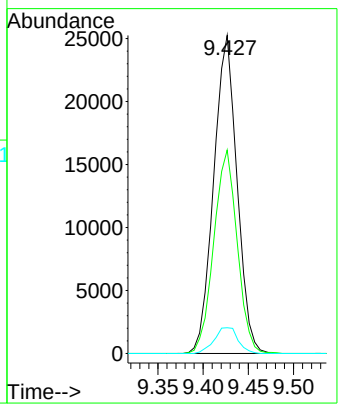




#47
Bromodichloromethane
Concen: 18.630 ug/l
RT: 9.427 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 83 Resp: 45261

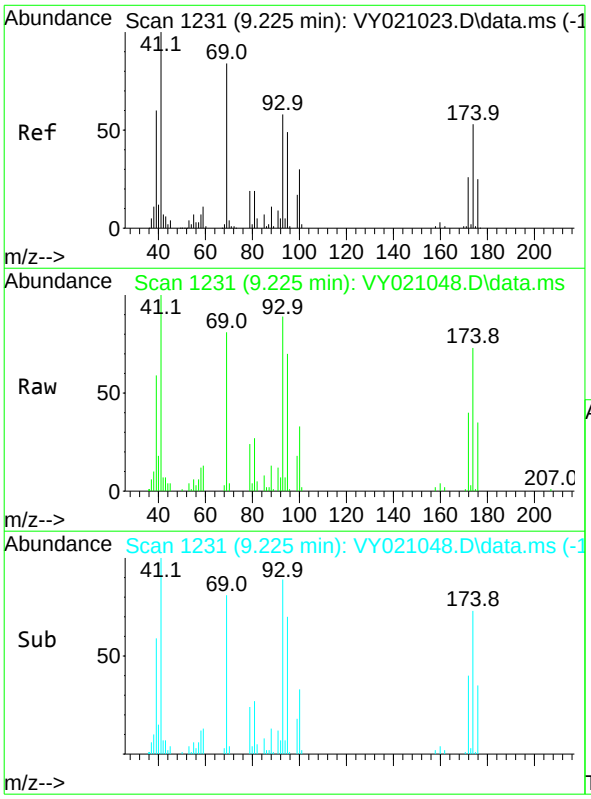
Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.2	79.8
127	8.1	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

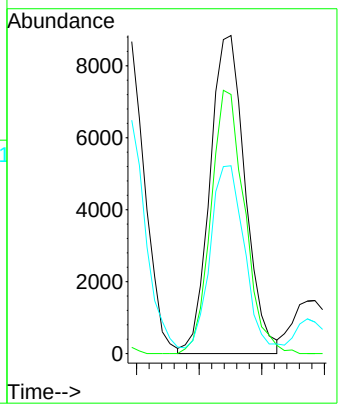
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

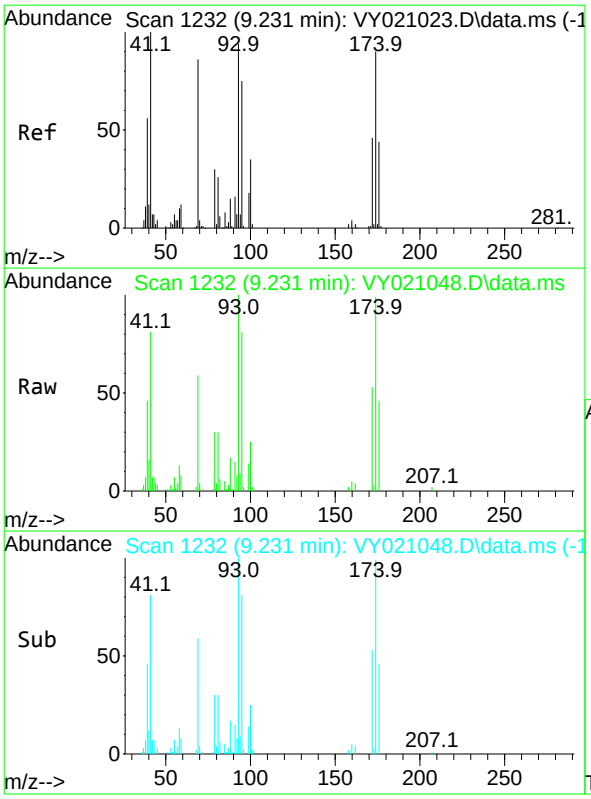


#48
Methyl methacrylate
Concen: 18.502 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 41 Resp: 17256

Ion	Ratio	Lower	Upper
41	100		
69	79.1	72.1	108.1
39	55.3	42.8	64.2





#49
1,4-Dioxane
Concen: 364.763 ug/l
RT: 9.231 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

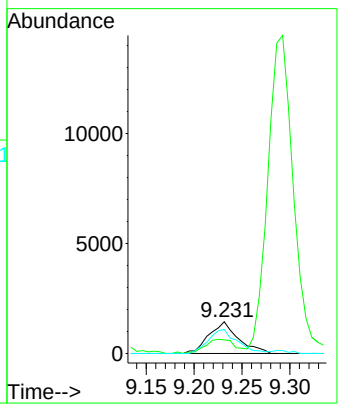
Tgt Ion: 88 Resp: 3076

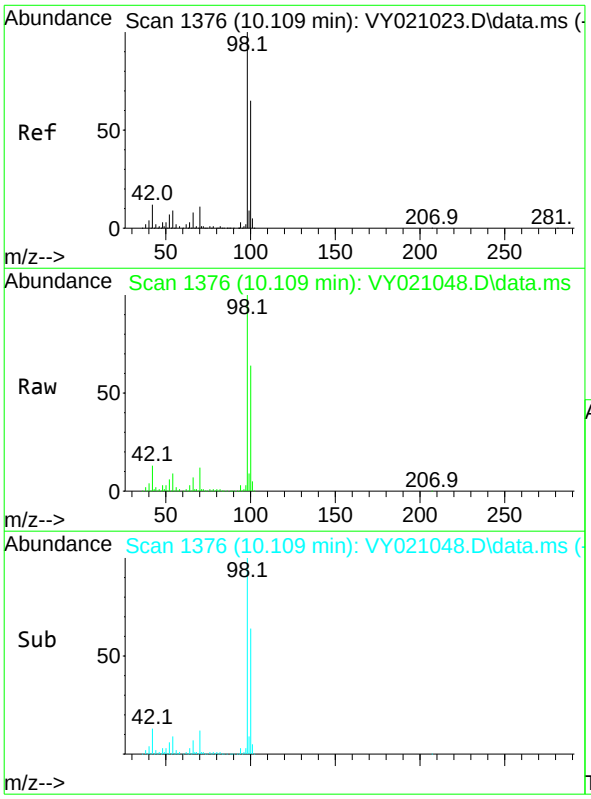
Ion	Ratio	Lower	Upper
88	100		
43	47.5	28.2	42.4#
58	74.4	52.2	78.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

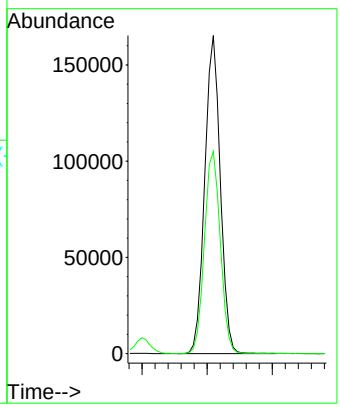


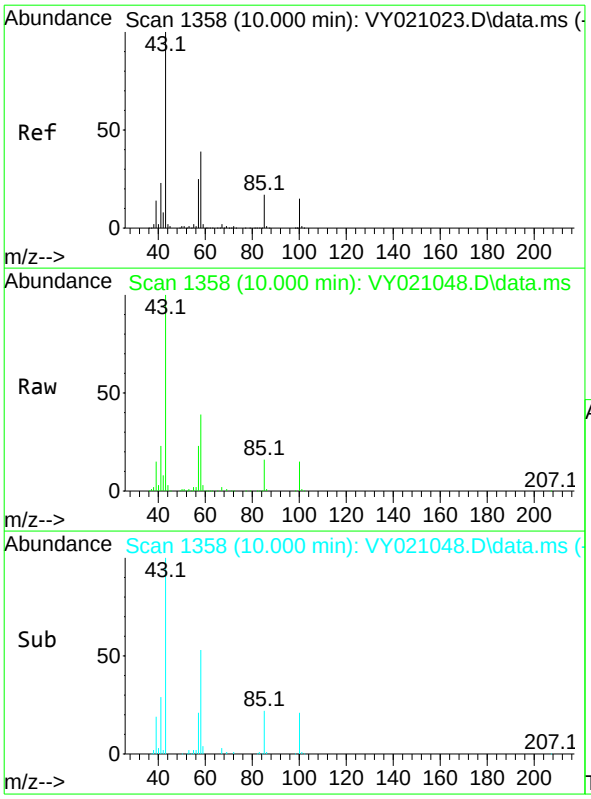


#50
Toluene-d8
Concen: 45.354 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 98 Resp: 273816

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.3	78.5

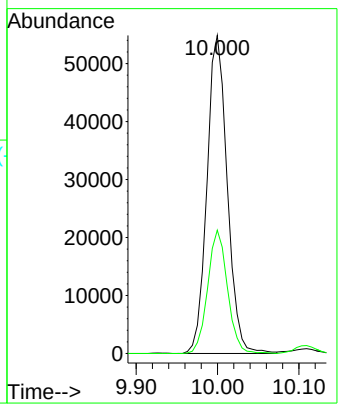




#51
4-Methyl-2-Pentanone
Concen: 92.378 ug/l
RT: 10.000 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 43 Resp: 95113

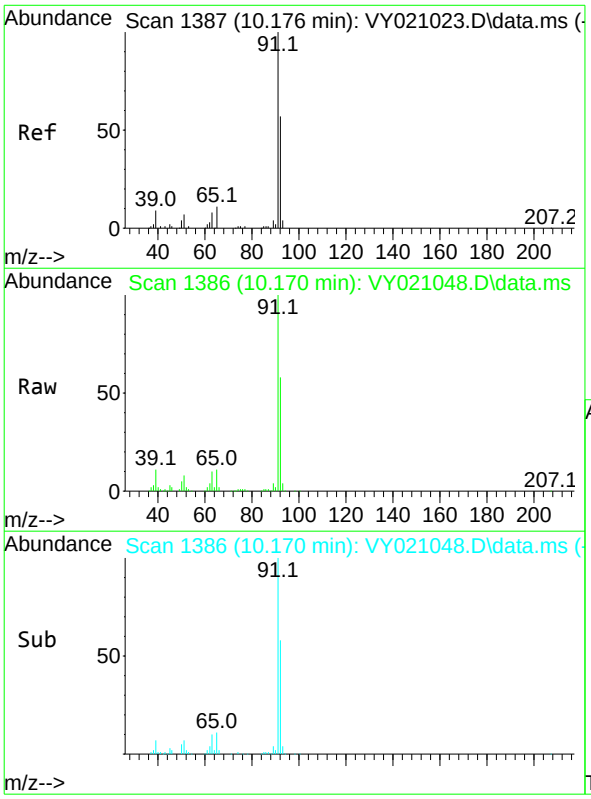
Ion	Ratio	Lower	Upper
43	100		
58	37.8	32.2	48.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

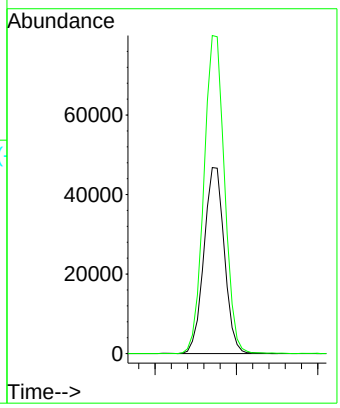
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

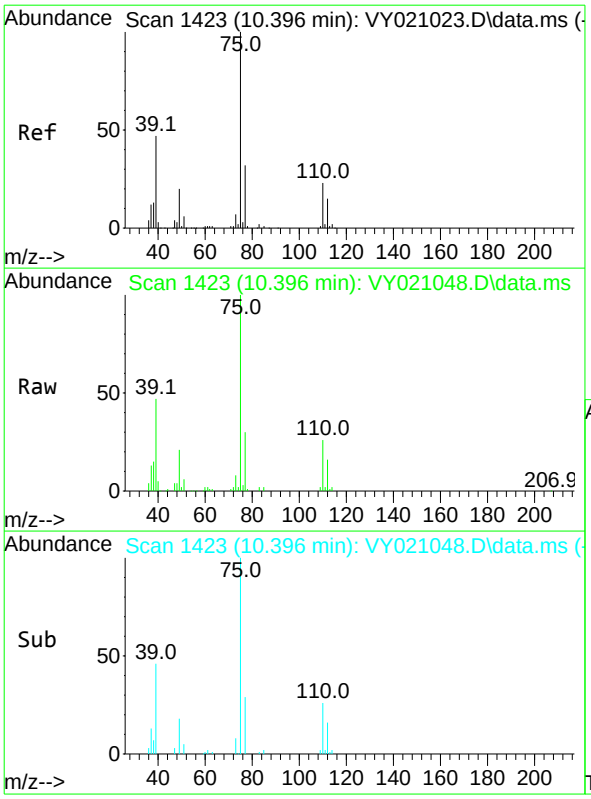


#52
Toluene
Concen: 18.861 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 92 Resp: 81634

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.6	206.4

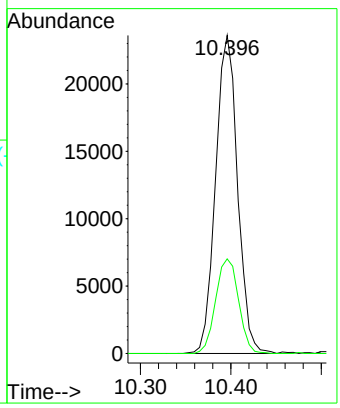




#53
t-1,3-Dichloropropene
Concen: 18.243 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 75 Resp: 39796

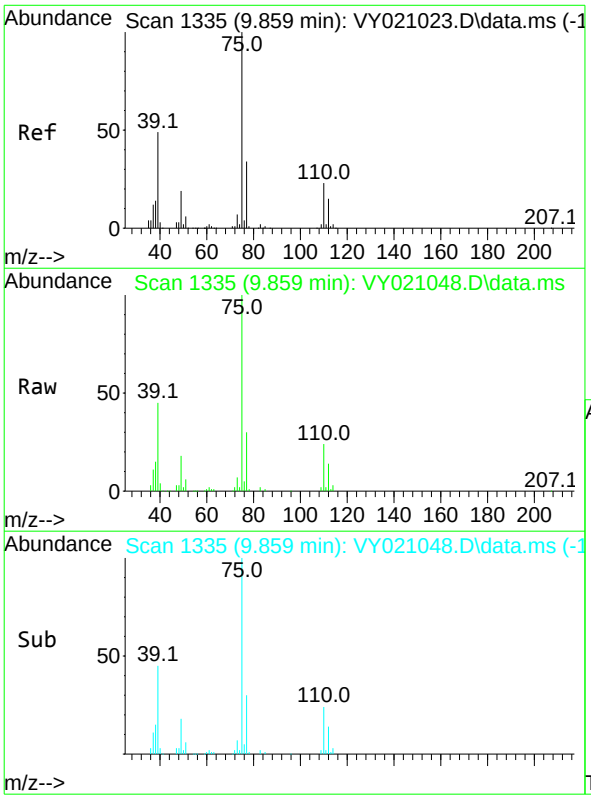
Ion	Ratio	Lower	Upper
75	100		
77	29.7	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

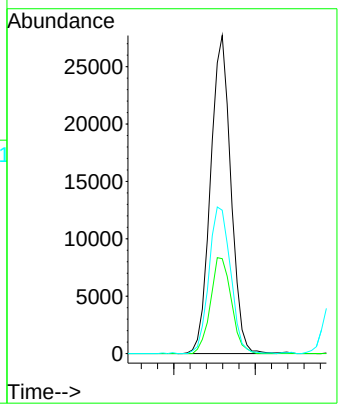
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

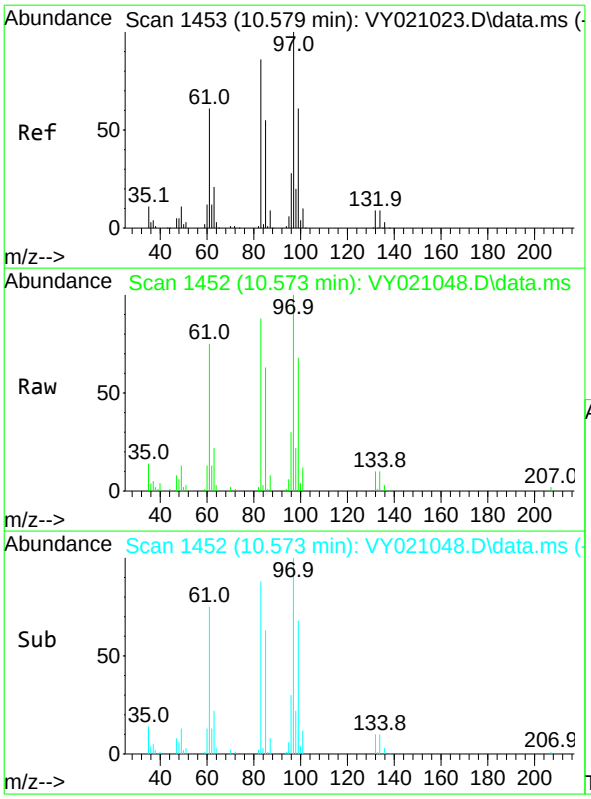


#54
cis-1,3-Dichloropropene
Concen: 18.596 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 75 Resp: 48033

Ion	Ratio	Lower	Upper
75	100		
77	29.8	24.6	36.8
39	45.1	33.6	50.4

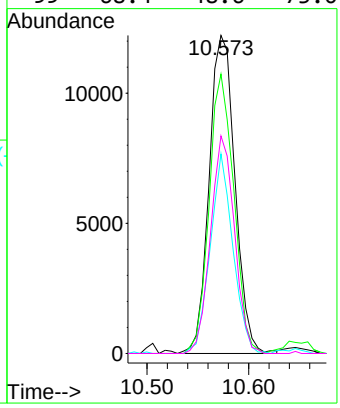




#55
1,1,2-Trichloroethane
Concen: 18.414 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 97 Resp: 21600

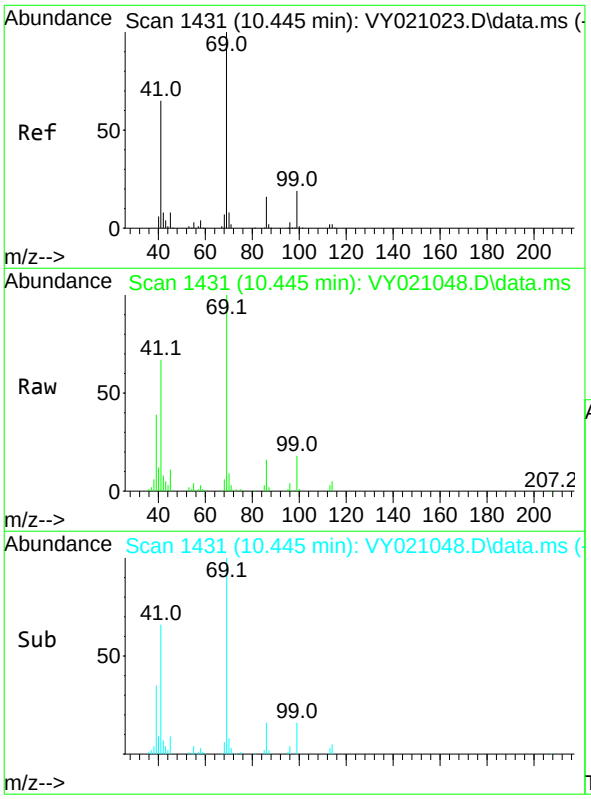
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	62.7	43.9	65.9
99	68.4	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

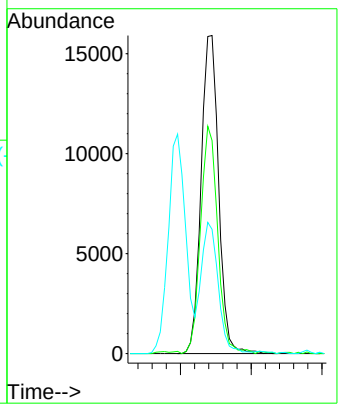
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

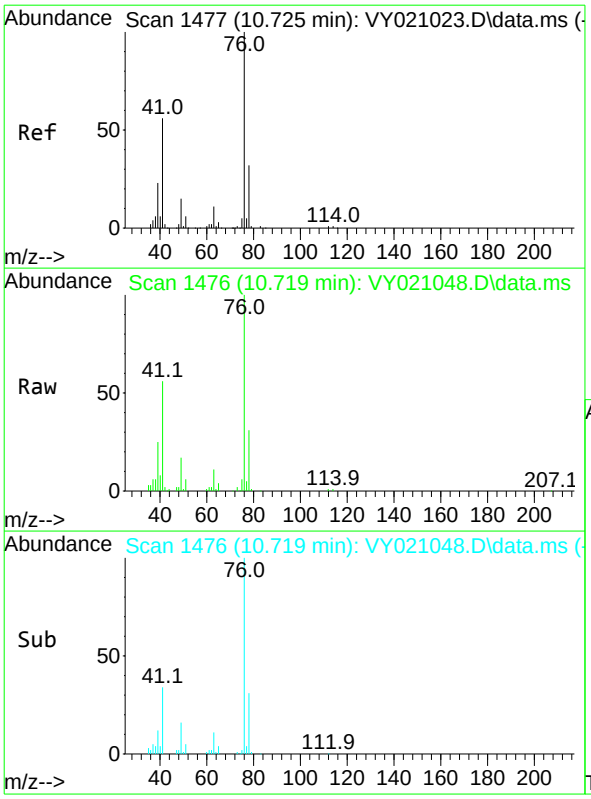


#56
Ethyl methacrylate
Concen: 17.448 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 69 Resp: 27381

Ion	Ratio	Lower	Upper
69	100		
41	70.0	49.2	73.8
39	39.0	26.8	40.2

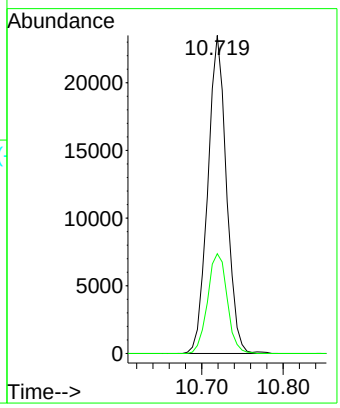




#57
1,3-Dichloropropane
Concen: 18.445 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 76 Resp: 37450

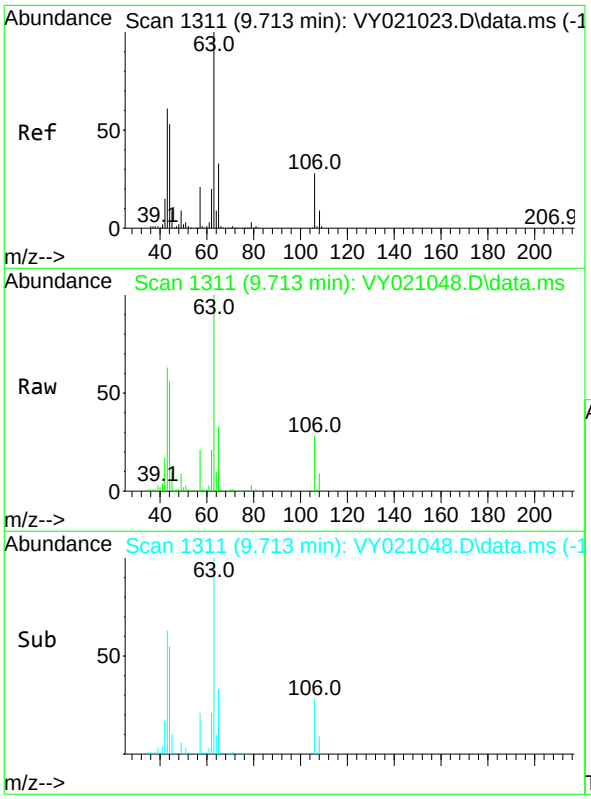
Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

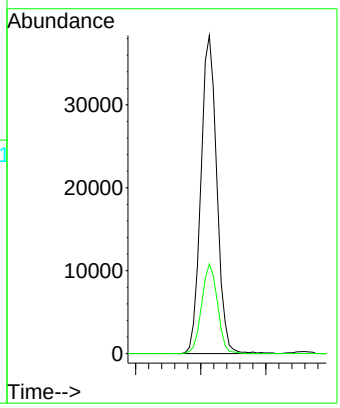
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

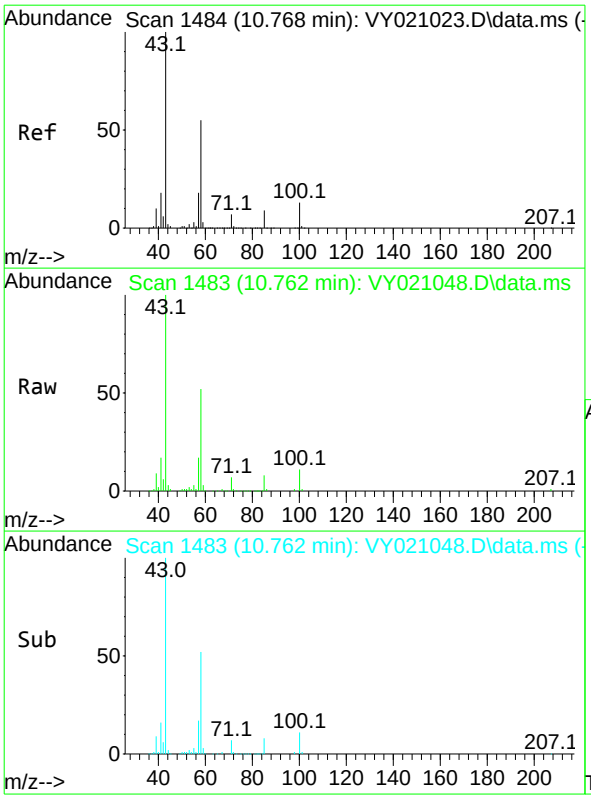


#58
2-Chloroethyl Vinyl ether
Concen: 87.322 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 63 Resp: 65192

Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.4	33.6

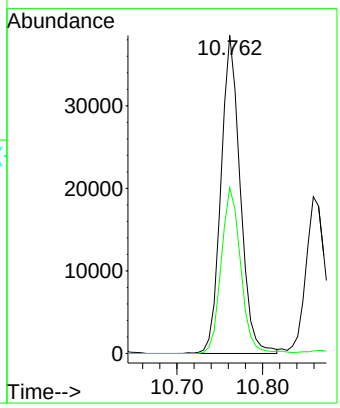




#59
2-Hexanone
Concen: 90.844 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 43 Resp: 60223

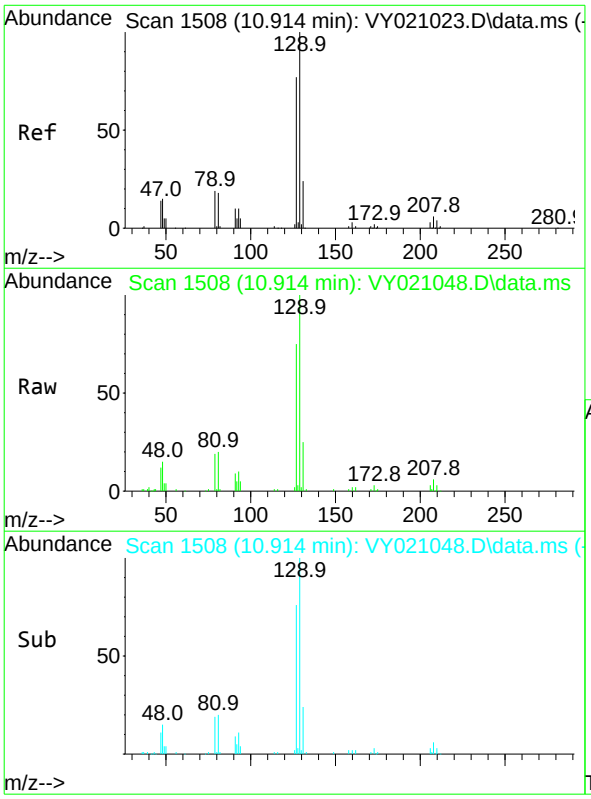
Ion	Ratio	Lower	Upper
43	100		
58	52.7	28.1	84.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations APPROVED

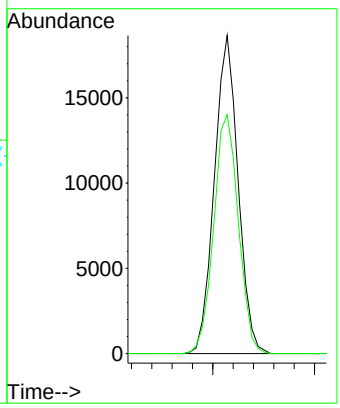
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

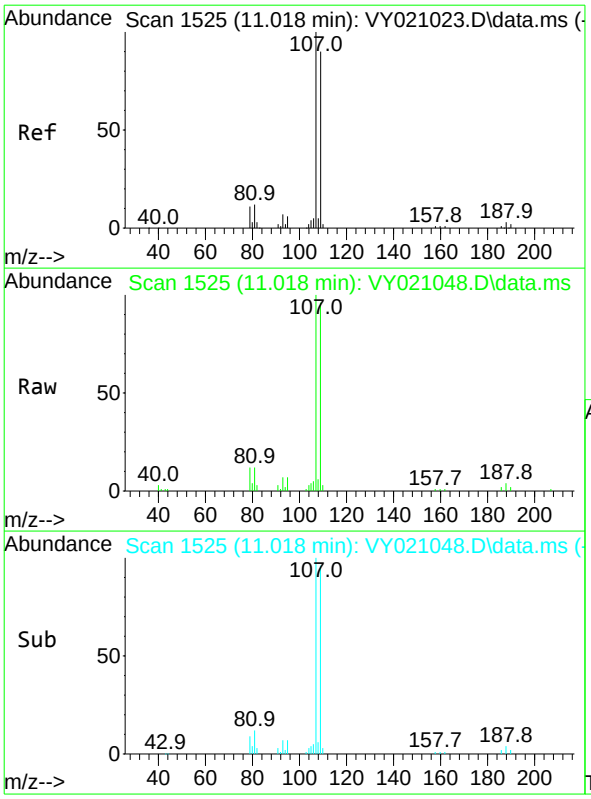


#60
Dibromochloromethane
Concen: 18.348 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:129 Resp: 30226

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.2	117.6

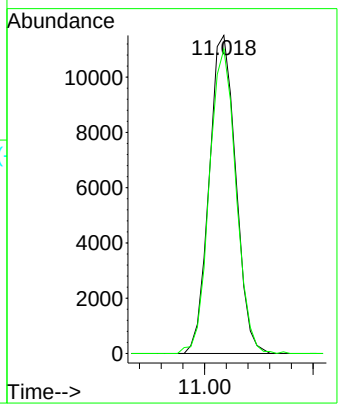




#61
1,2-Dibromoethane
Concen: 17.800 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:107 Resp: 19558

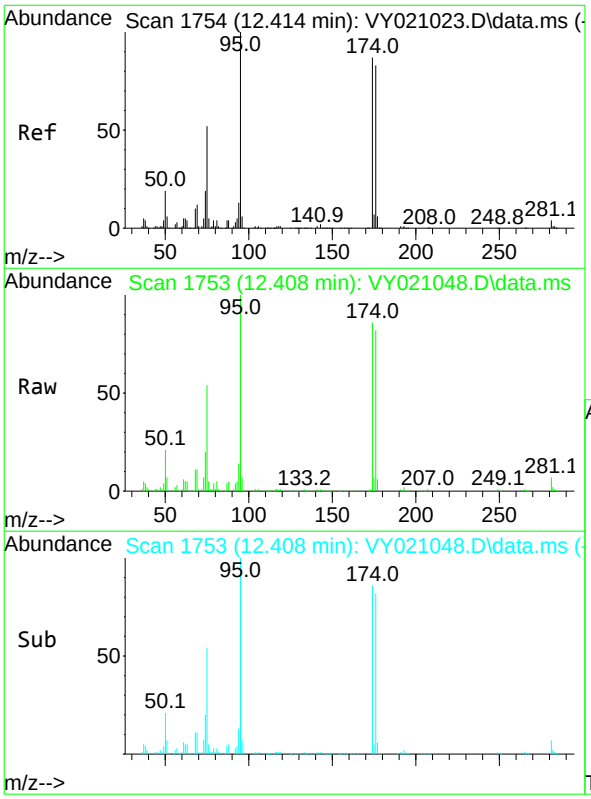
Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations APPROVED

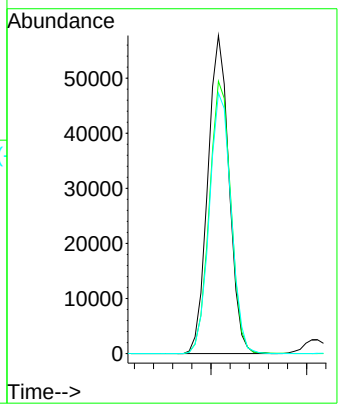
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

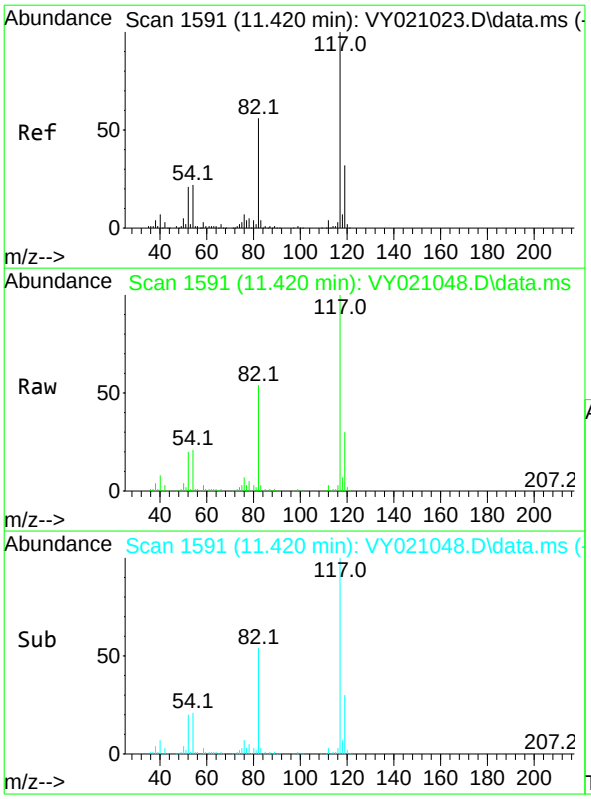


#62
4-Bromofluorobenzene
Concen: 45.028 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 95 Resp: 88811

Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	160.0
176	84.1	0.0	151.8

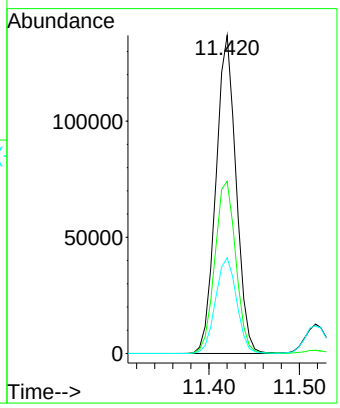




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:117 Resp: 212473

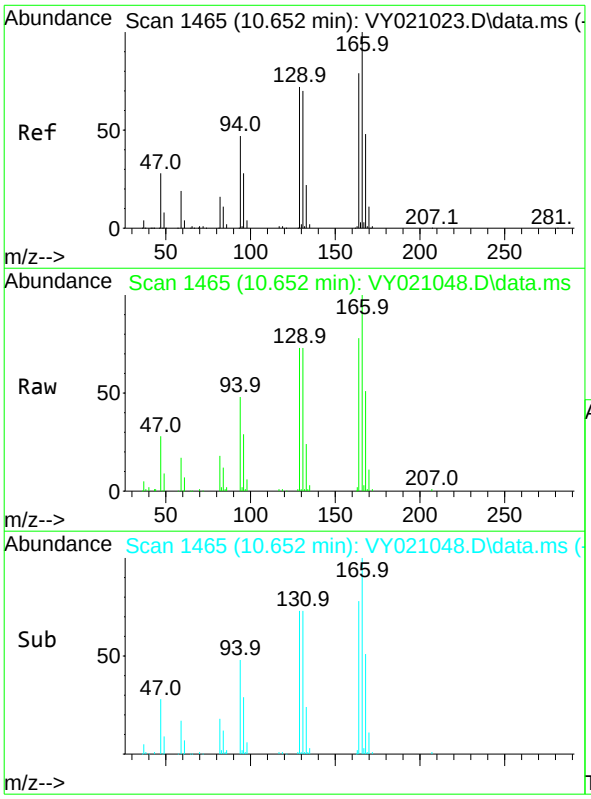
Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.8	65.8
119	30.1	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

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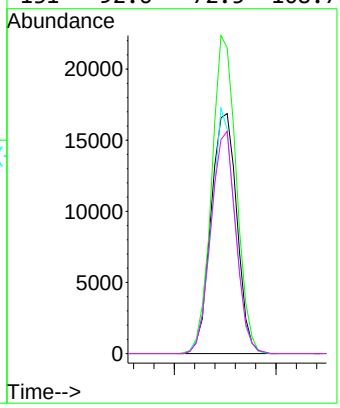
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

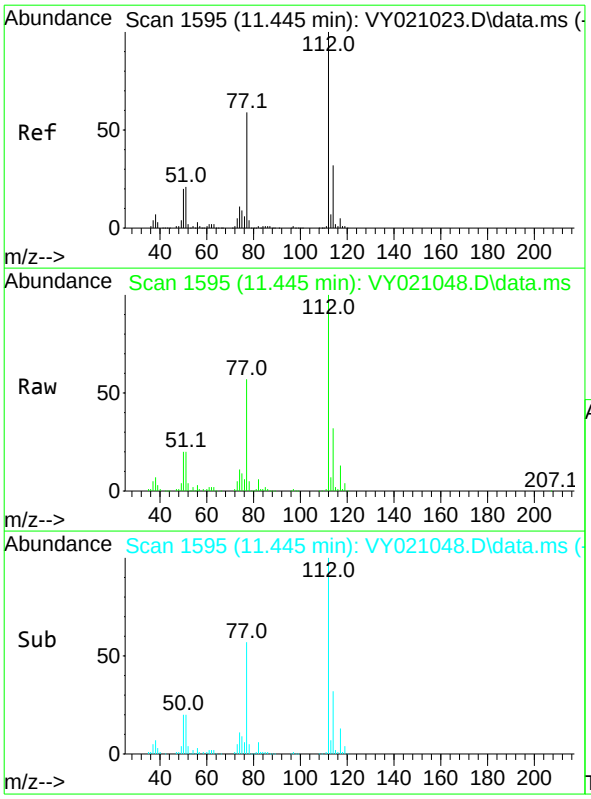


#64
Tetrachloroethene
Concen: 18.921 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:164 Resp: 29844

Ion	Ratio	Lower	Upper
164	100		
166	127.5	98.8	148.2
129	93.4	78.9	118.3
131	92.6	72.5	108.7





#65
Chlorobenzene
Concen: 18.603 ug/l
RT: 11.445 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

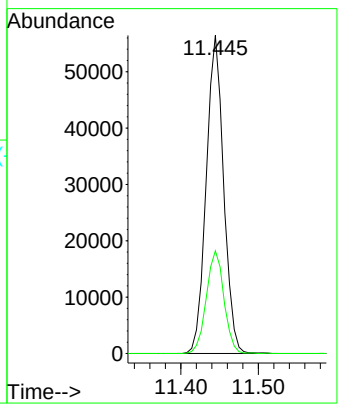
Tgt Ion:112 Resp: 88014

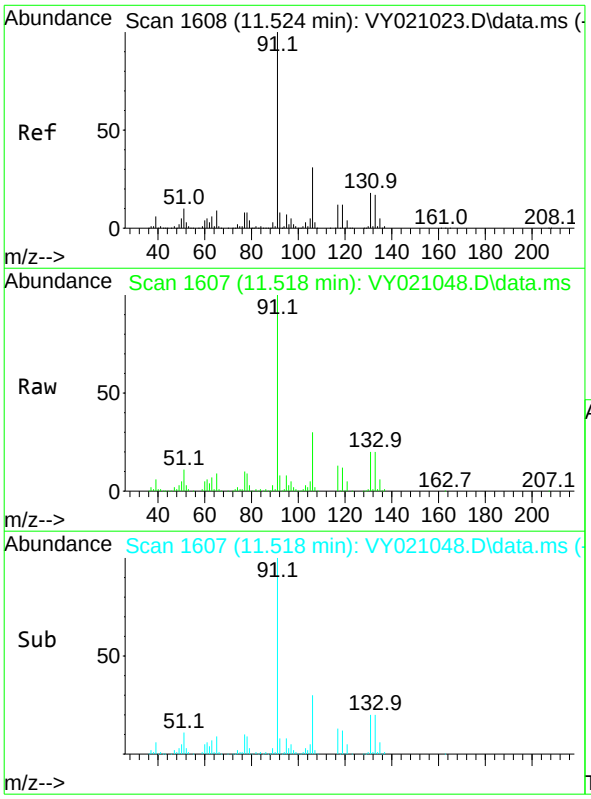
Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

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Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

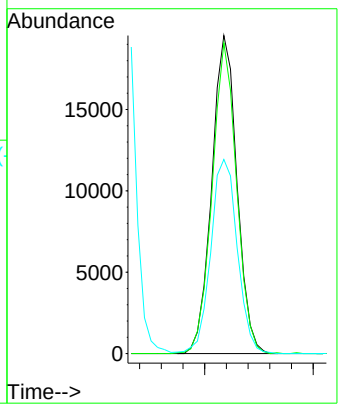


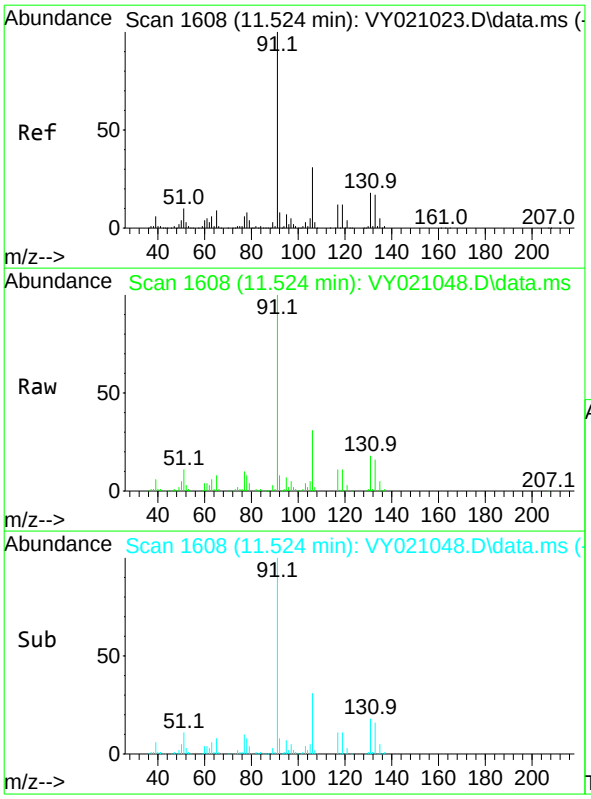


#66
1,1,1,2-Tetrachloroethane
Concen: 18.699 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:131 Resp: 31439

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.0	141.0
119	64.5	33.3	99.9

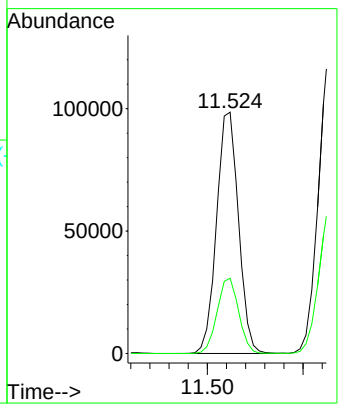




#67
Ethyl Benzene
Concen: 18.733 ug/l
RT: 11.524 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 91 Resp: 156761

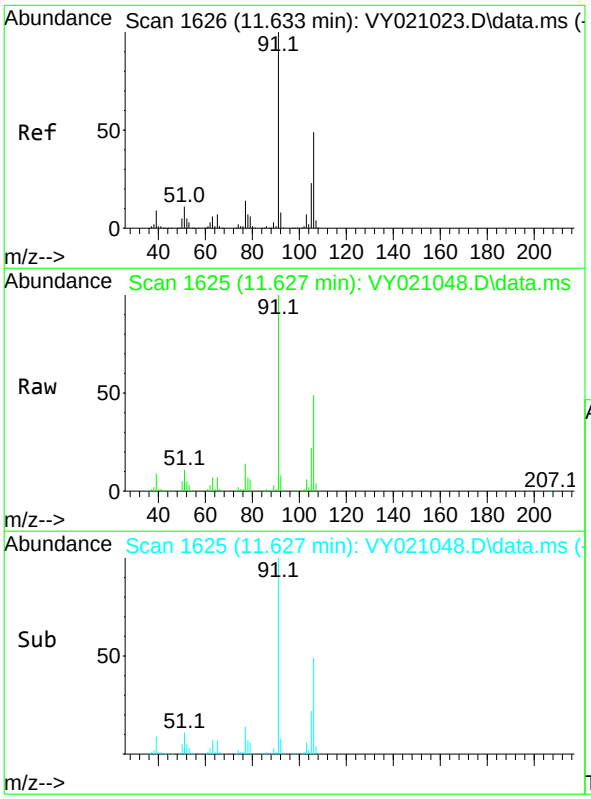
Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
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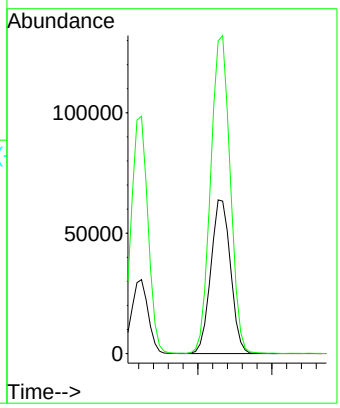
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

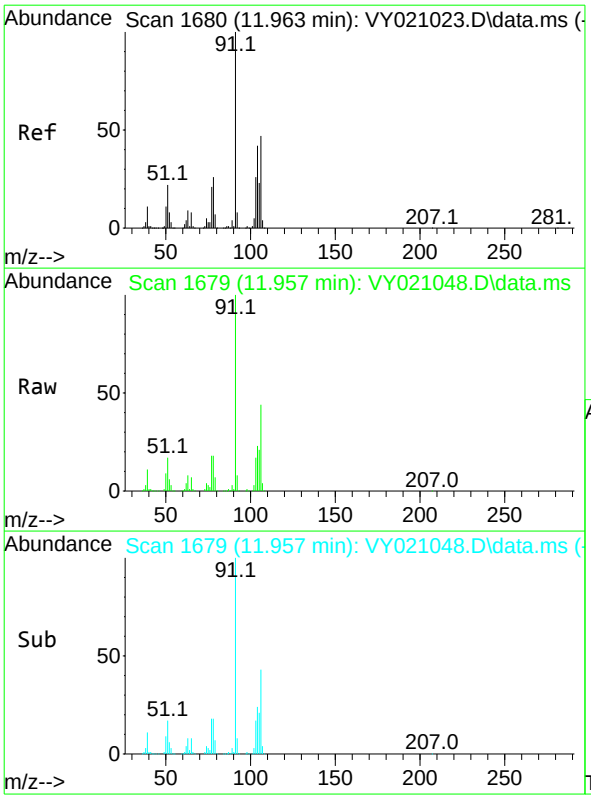


#68
m/p-Xylenes
Concen: 37.753 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:106 Resp: 118185

Ion	Ratio	Lower	Upper
106	100		
91	204.9	160.7	241.1

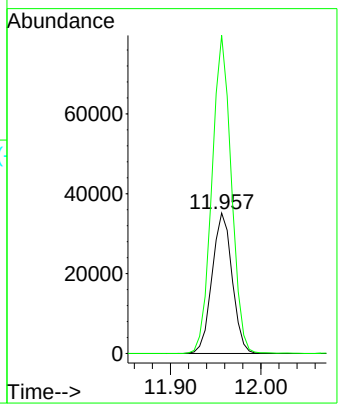




#69
o-Xylene
Concen: 18.569 ug/l
RT: 11.957 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:106 Resp: 54195

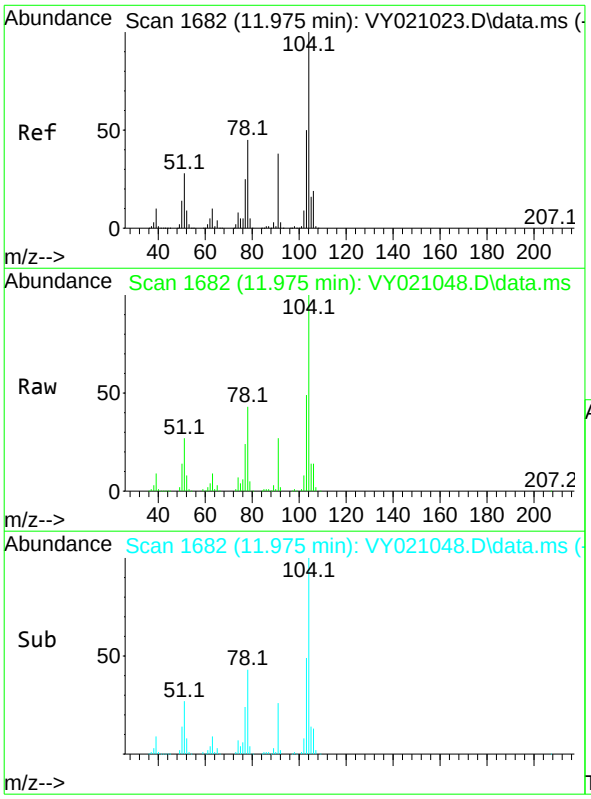
Ion	Ratio	Lower	Upper
106	100		
91	219.6	106.5	319.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

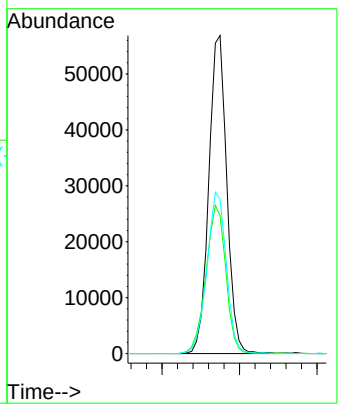
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

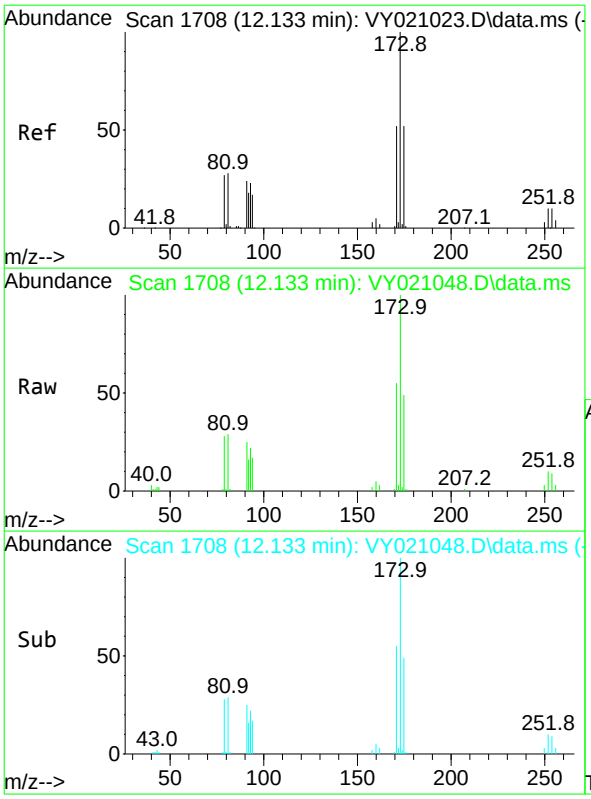


#70
Styrene
Concen: 18.833 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:104 Resp: 91611

Ion	Ratio	Lower	Upper
104	100		
78	51.5	39.2	58.8
103	54.7	43.8	65.6

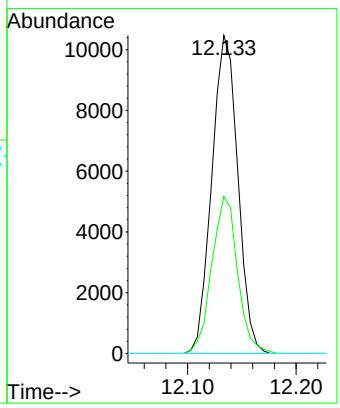




#71
Bromoform
Concen: 18.622 ug/l
RT: 12.133 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:173 Resp: 17427

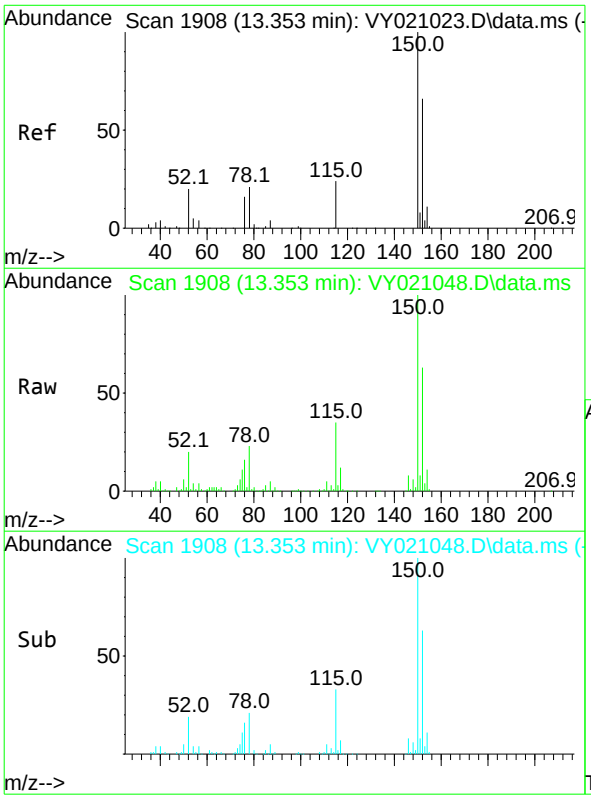
Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

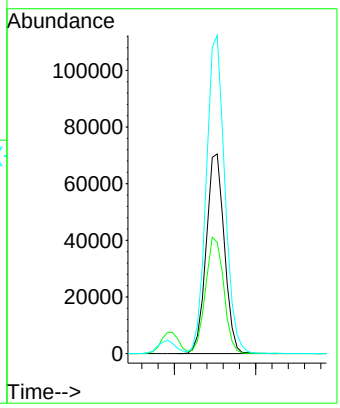
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

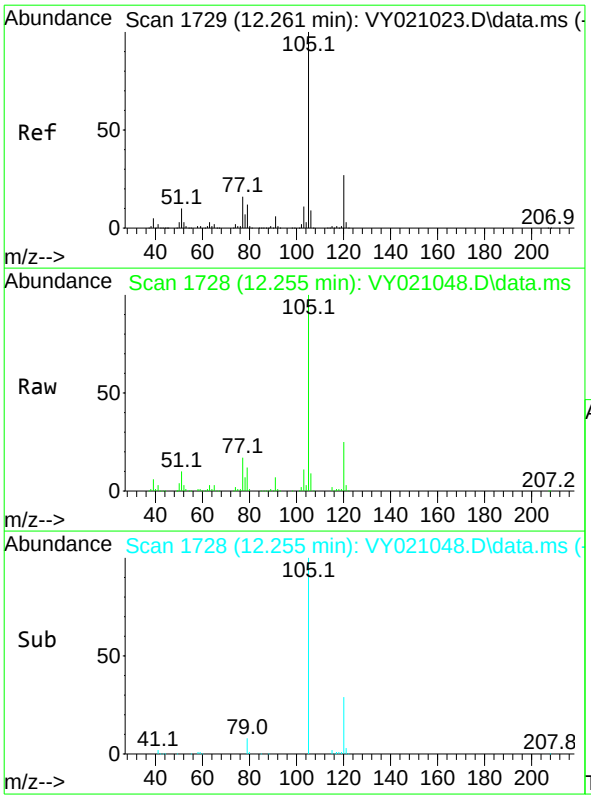


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:152 Resp: 108974

Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.0	90.0
150	163.1	0.0	344.6

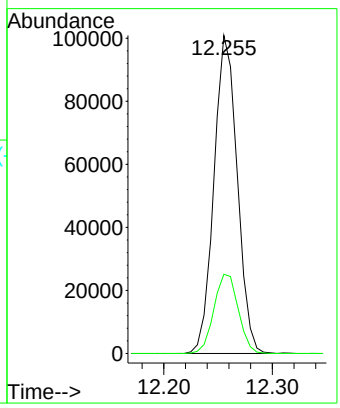




#73
Isopropylbenzene
Concen: 17.676 ug/l
RT: 12.255 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:105 Resp: 150465

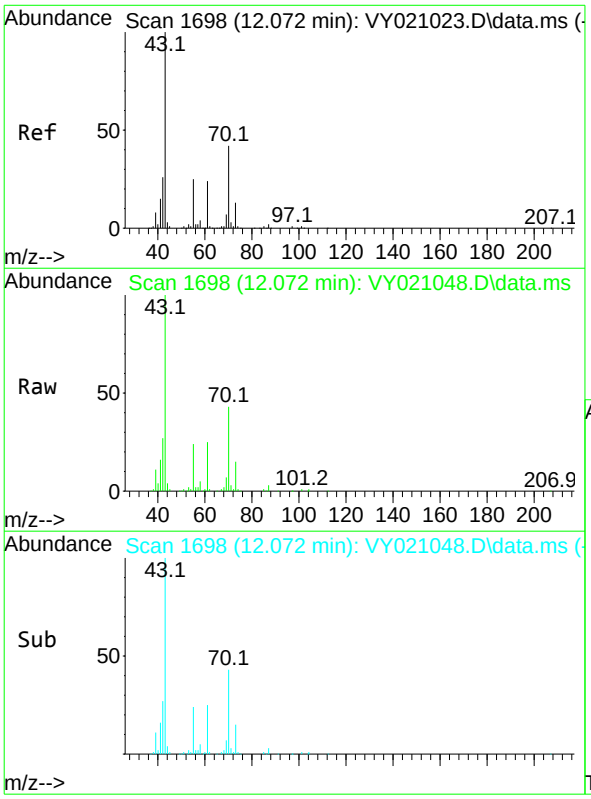
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

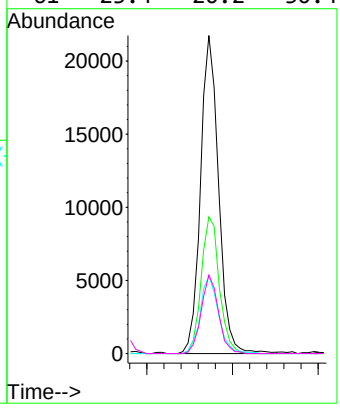
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

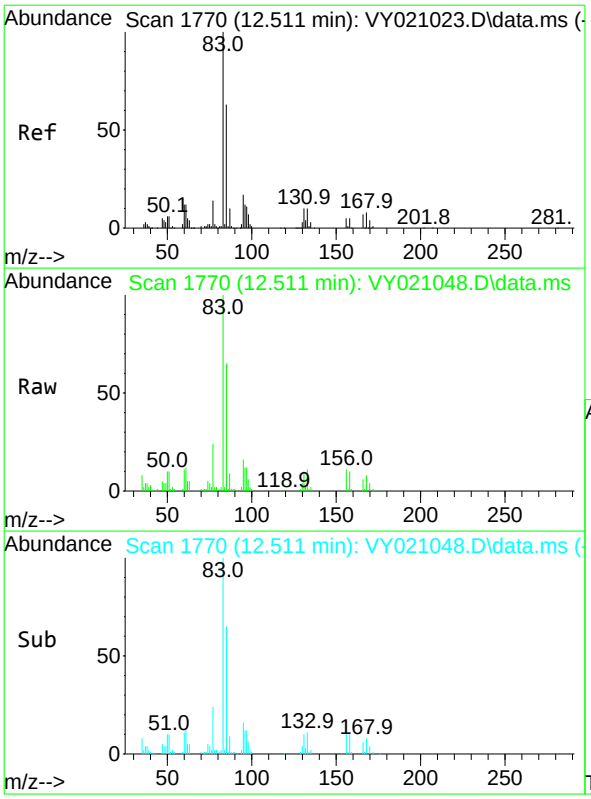


#74
N-amyl acetate
Concen: 17.133 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 43 Resp: 31886

Ion	Ratio	Lower	Upper
43	100		
70	42.8	36.6	55.0
55	24.7	22.2	33.4
61	23.4	20.2	30.4

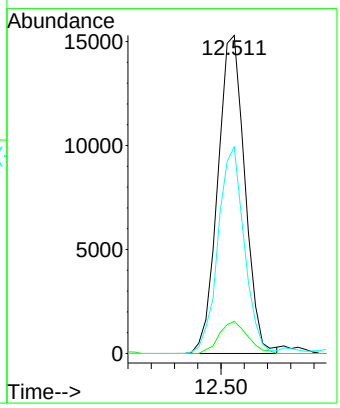




#75
1,1,2,2-Tetrachloroethane
Concen: 17.448 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 83 Resp: 24702

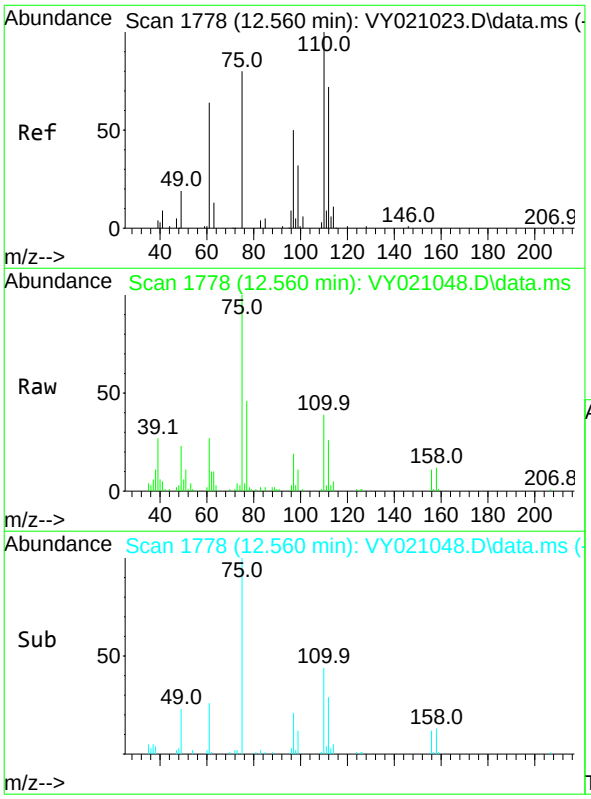
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.6
85	62.9	32.6	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

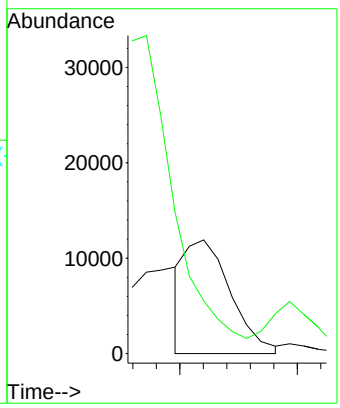
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

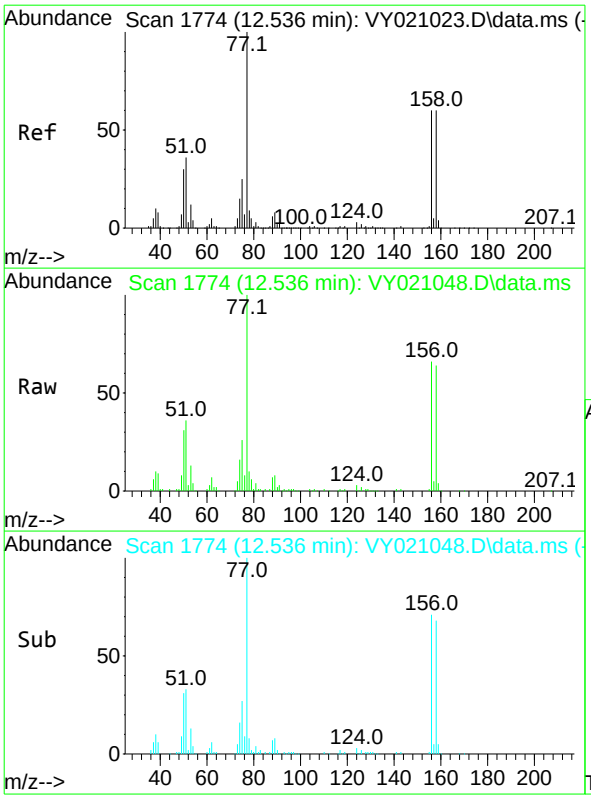


#76
1,2,3-Trichloropropane
Concen: 16.269 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 75 Resp: 16082

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

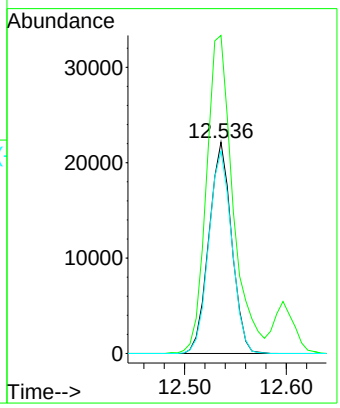




#77
Bromobenzene
Concen: 17.492 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:156 Resp: 34360

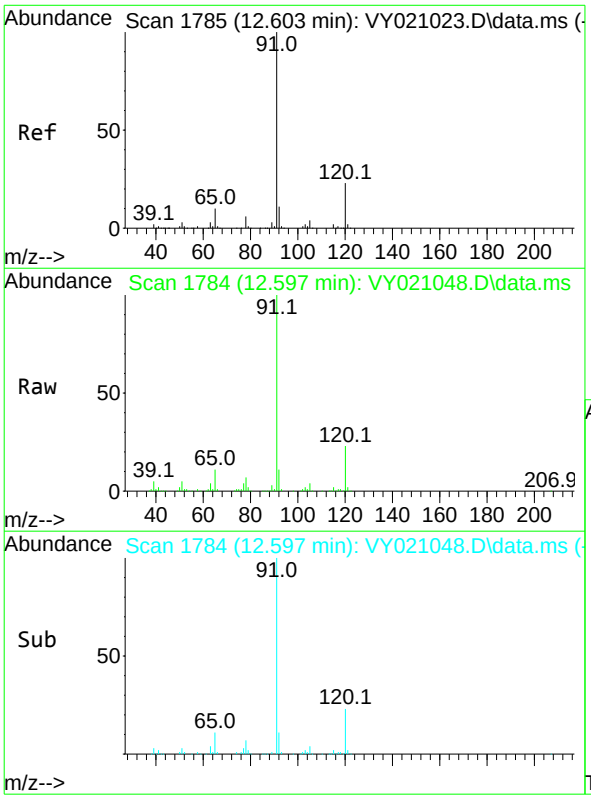
Ion	Ratio	Lower	Upper
156	100		
77	176.0	97.3	291.8
158	96.9	48.4	145.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

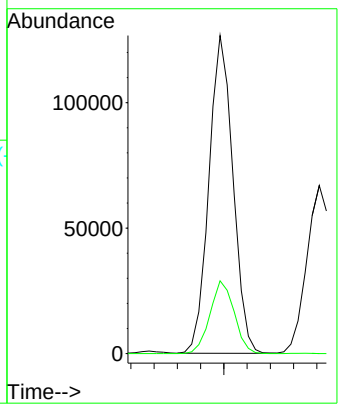
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

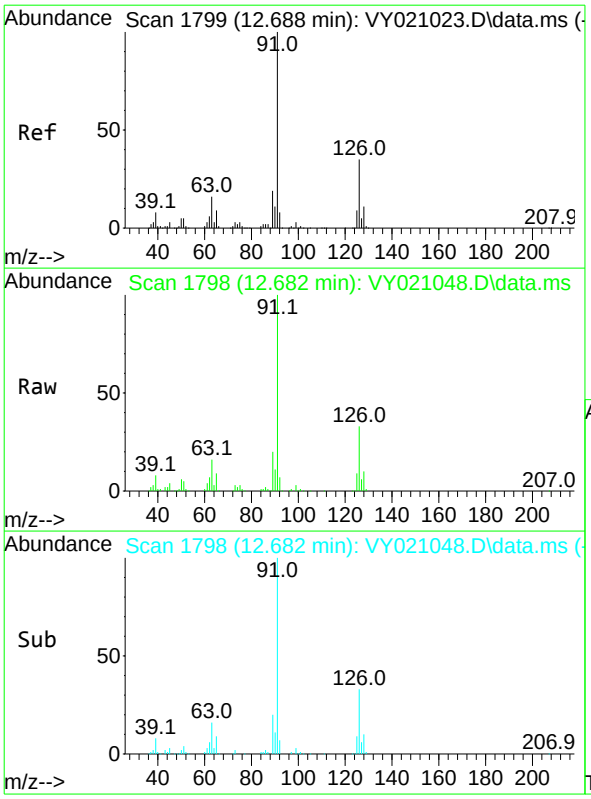


#78
n-propylbenzene
Concen: 17.943 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 91 Resp: 181949

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.0	33.0

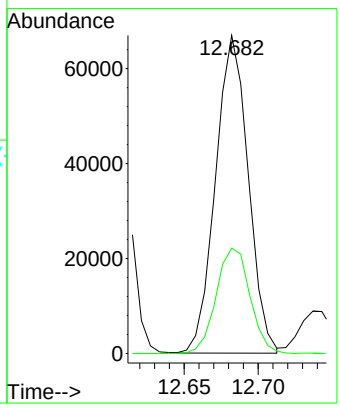




#79
2-Chlorotoluene
Concen: 17.683 ug/l
RT: 12.682 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 91 Resp: 102699

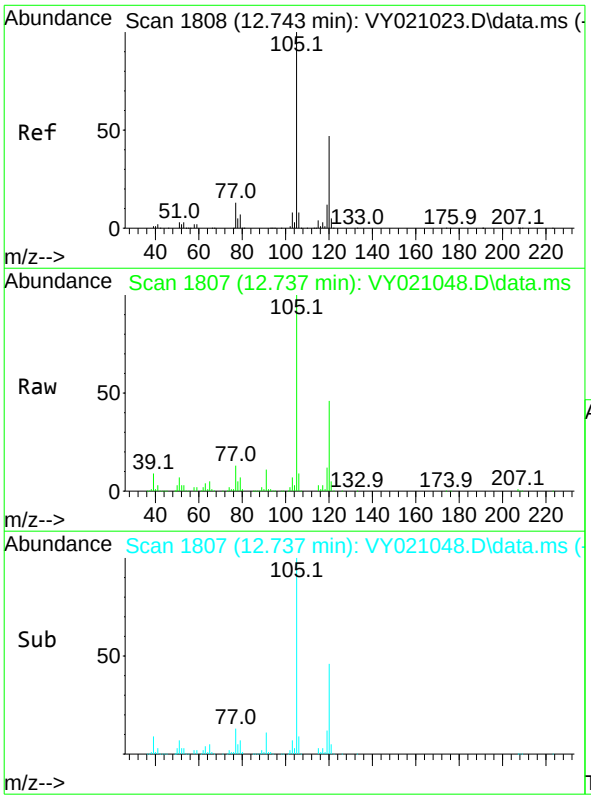
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

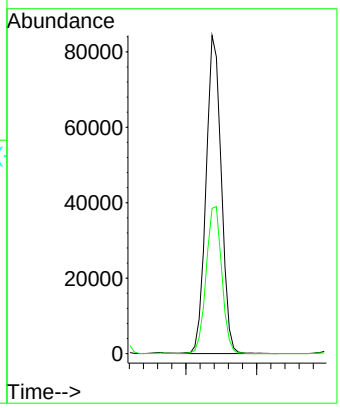
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

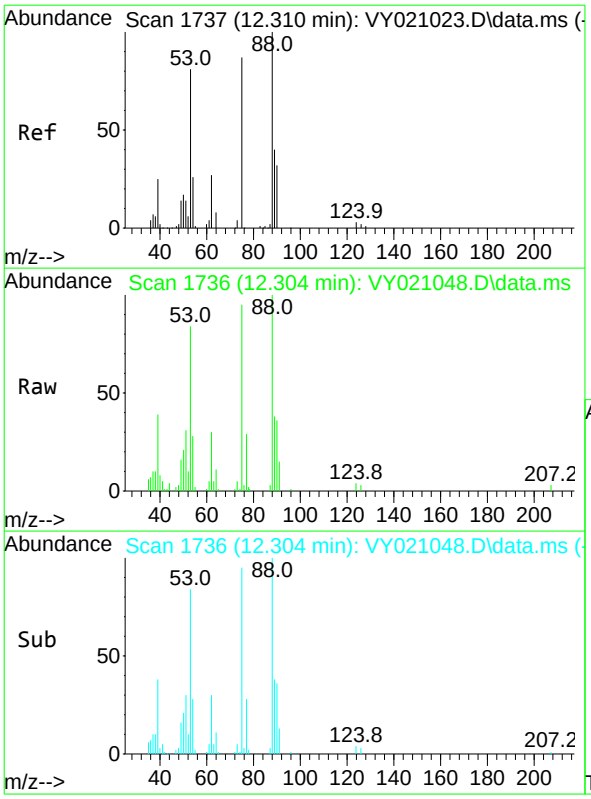


#80
1,3,5-Trimethylbenzene
Concen: 18.254 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:105 Resp: 125980

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.3	72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 17.816 ug/l
RT: 12.304 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

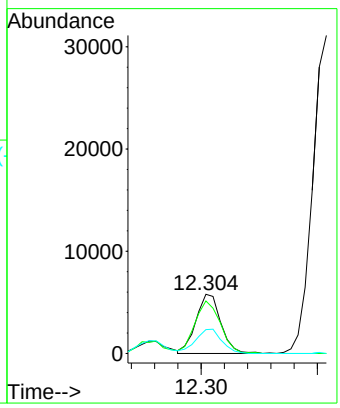
Tgt Ion: 75 Resp: 8631

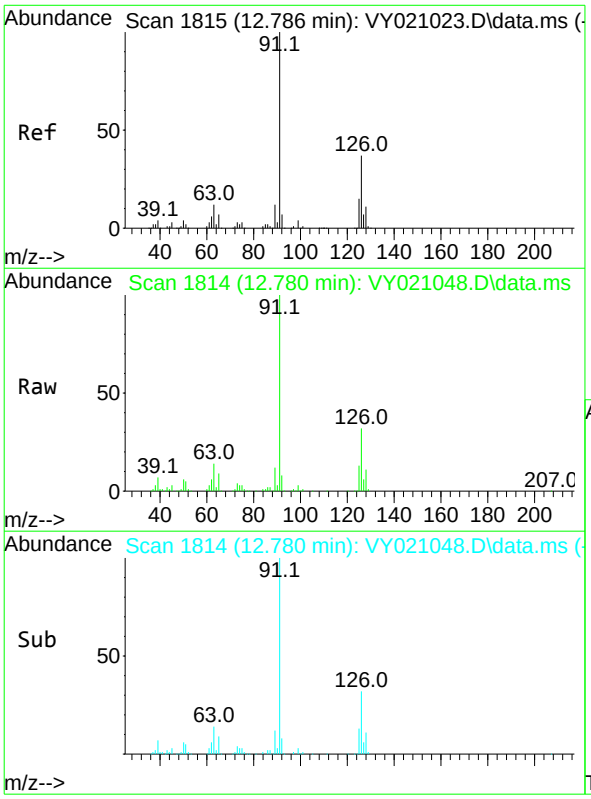
Ion	Ratio	Lower	Upper
75	100		
53	91.1	74.0	111.0
89	42.9	36.5	54.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

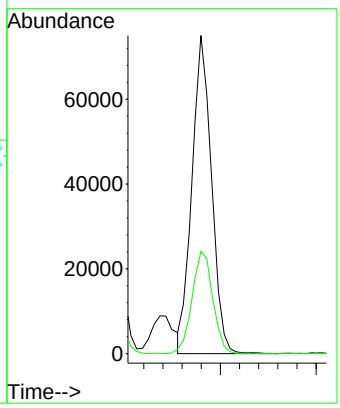


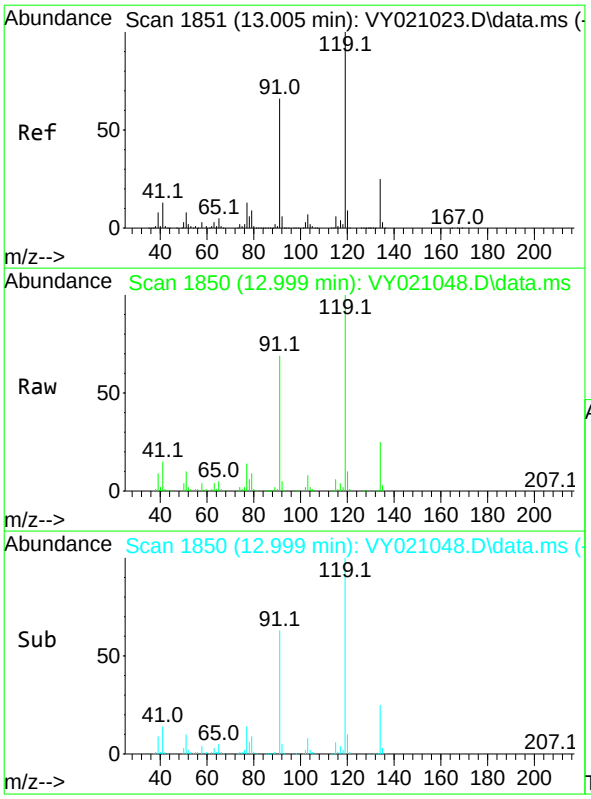


#82
4-Chlorotoluene
Concen: 17.955 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 91 Resp: 106247

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.1	51.2

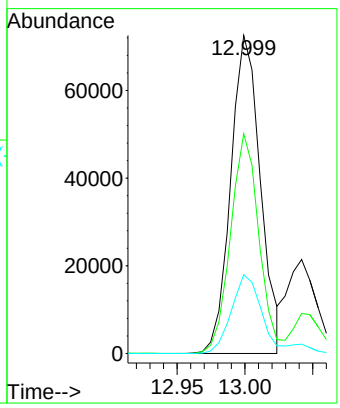




#83
tert-Butylbenzene
Concen: 17.623 ug/l
RT: 12.999 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:119 Resp: 110553

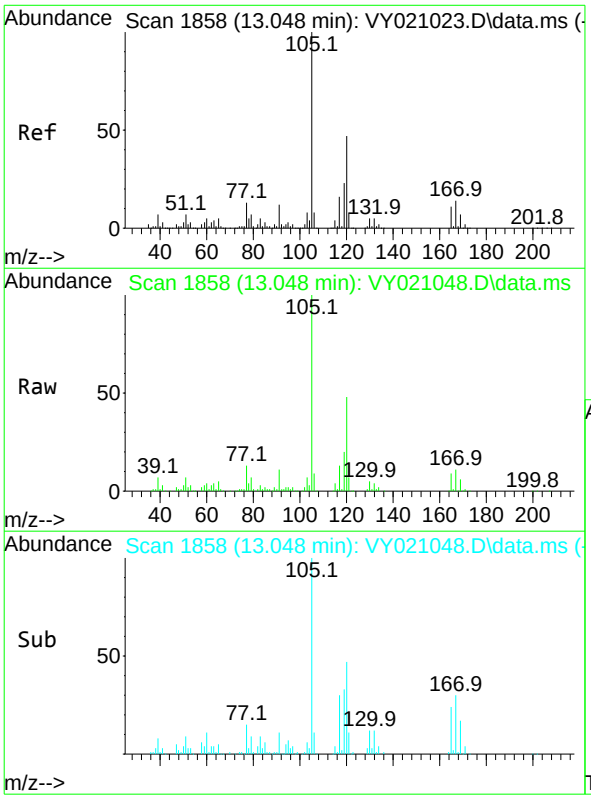
Ion	Ratio	Lower	Upper
119	100		
91	66.3	31.5	94.5
134	25.0	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

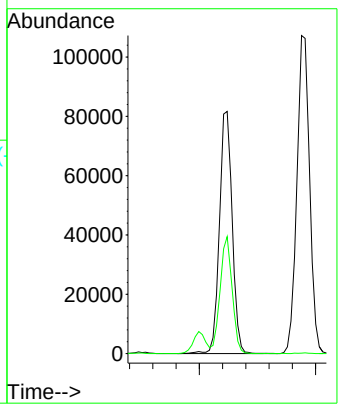
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

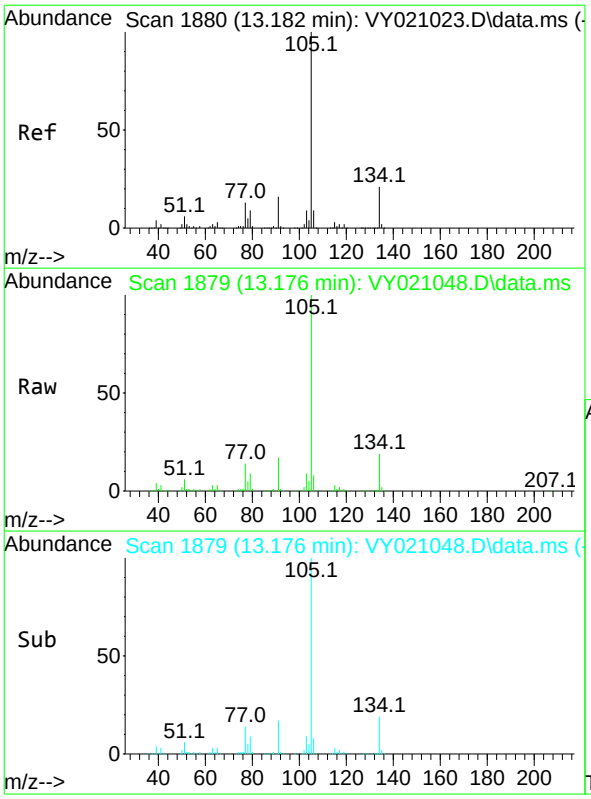


#84
1,2,4-Trimethylbenzene
Concen: 18.421 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:105 Resp: 124310

Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.1	66.3

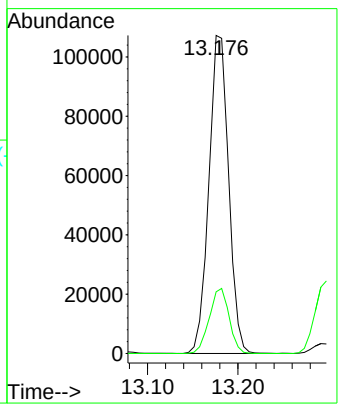




#85
sec-Butylbenzene
Concen: 18.011 ug/l
RT: 13.176 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:105 Resp: 162645

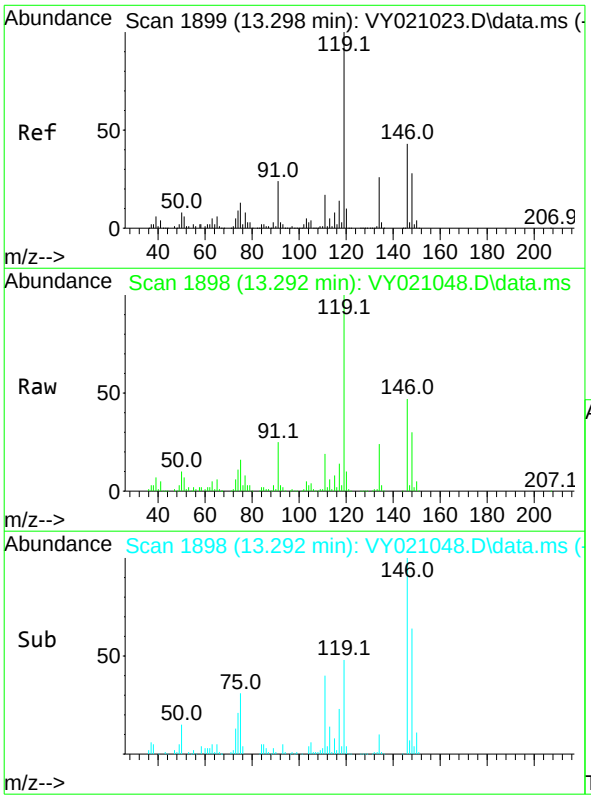
Ion	Ratio	Lower	Upper
105	100		
134	20.5	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

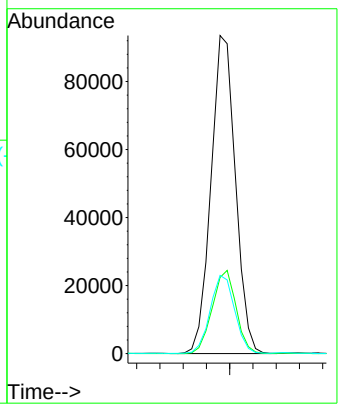
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

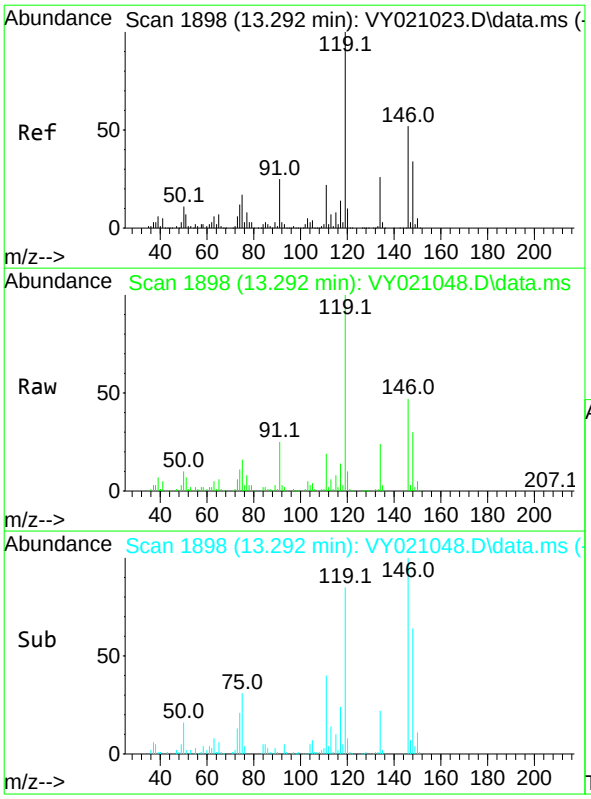


#86
p-Isopropyltoluene
Concen: 18.222 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:119 Resp: 136684

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.1	39.1
91	24.5	11.7	35.0

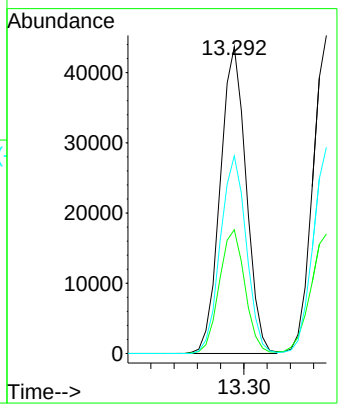




#87
1,3-Dichlorobenzene
Concen: 17.866 ug/l
RT: 13.292 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:146 Resp: 67765

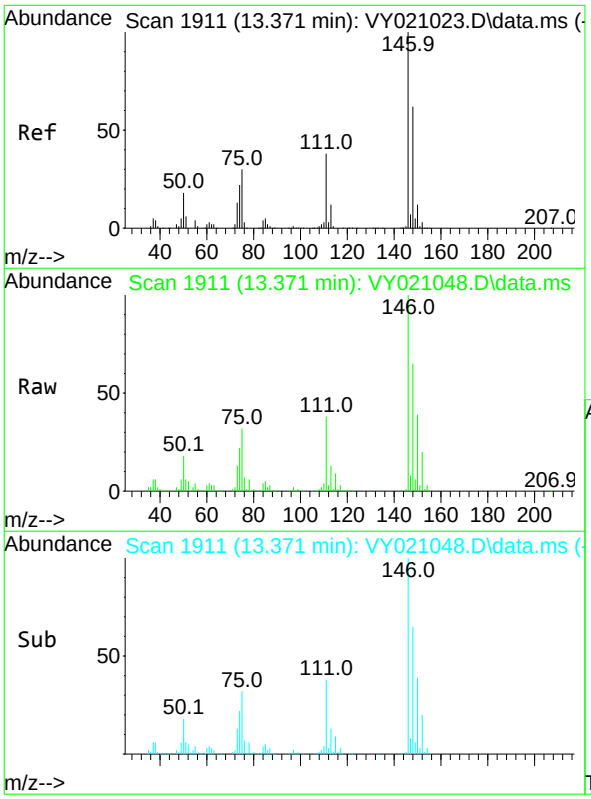
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.5
148	64.3	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

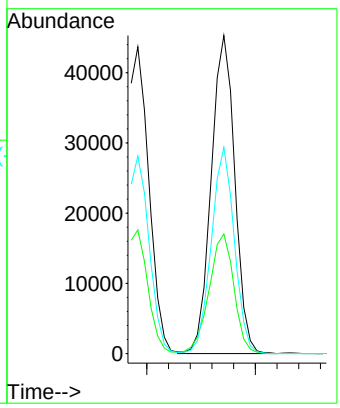
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

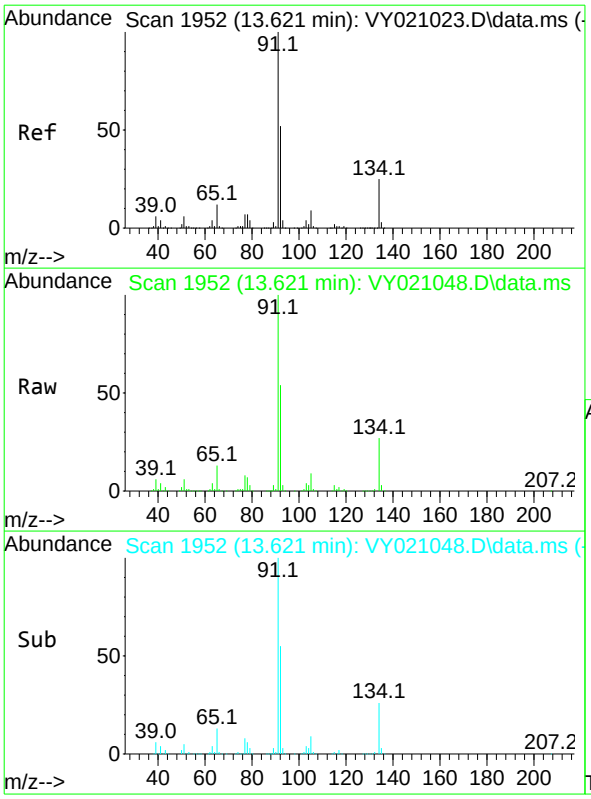


#88
1,4-Dichlorobenzene
Concen: 18.319 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:146 Resp: 68413

Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.3	57.9
148	63.3	31.6	94.7

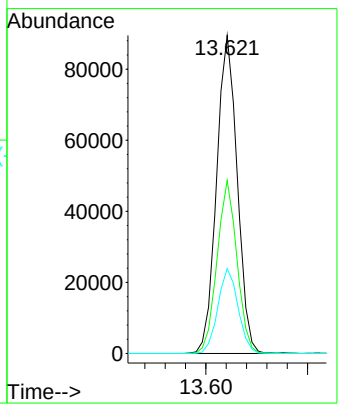




#89
n-Butylbenzene
Concen: 18.446 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 91 Resp: 126230

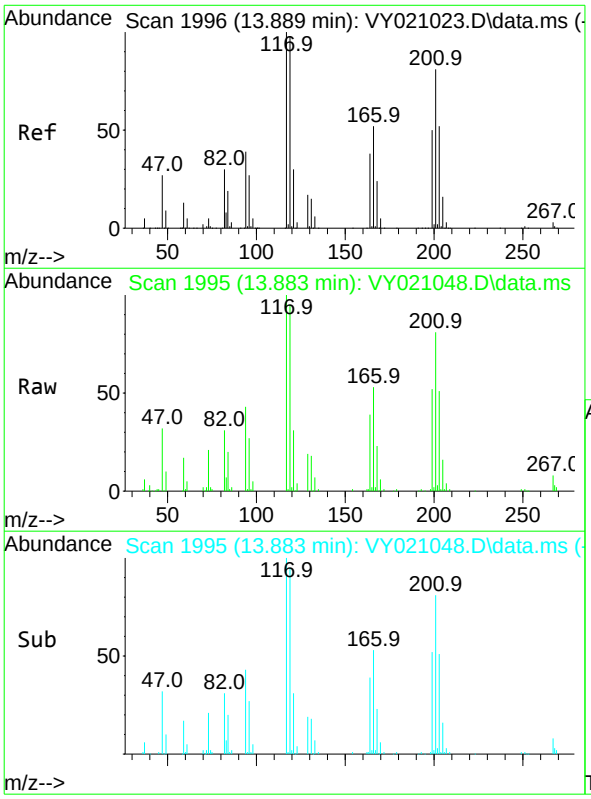
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.2
134	26.1	12.3	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

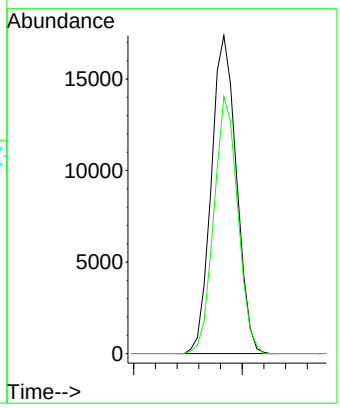
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

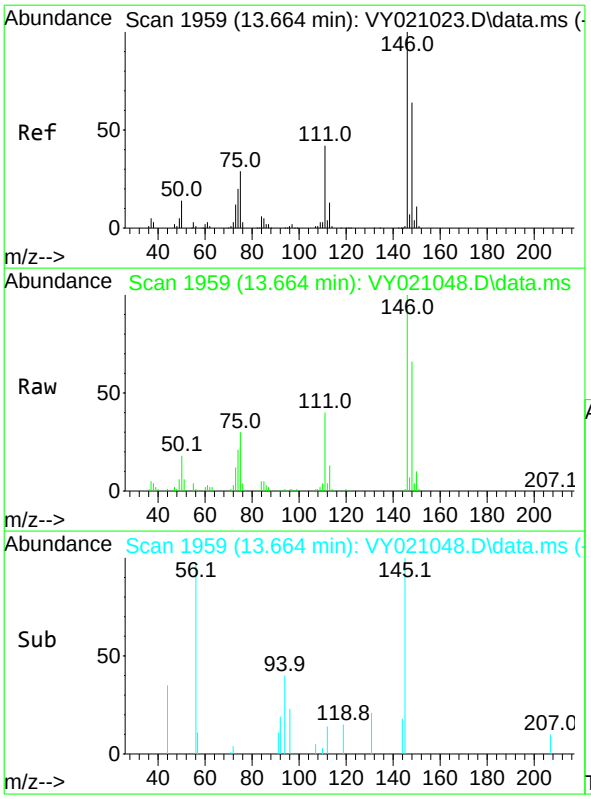


#90
Hexachloroethane
Concen: 17.851 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:117 Resp: 27935

Ion	Ratio	Lower	Upper
117	100		
201	76.8	33.4	100.1

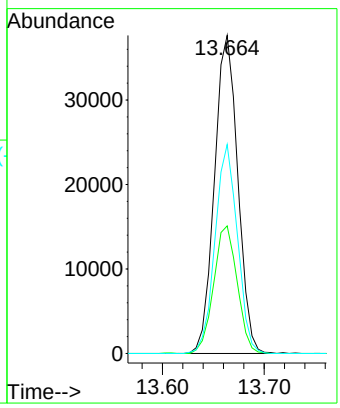




#91
1,2-Dichlorobenzene
Concen: 18.224 ug/l
RT: 13.664 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:146 Resp: 59994

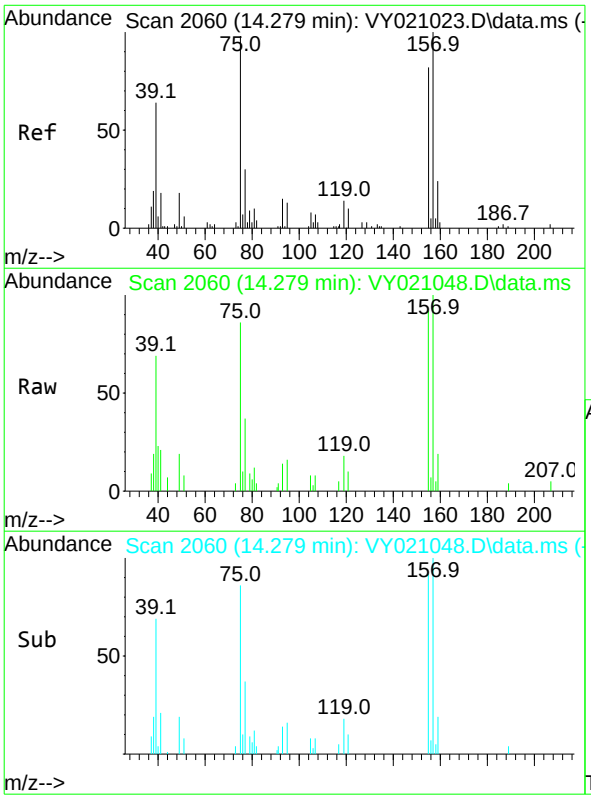
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.5	61.6
148	63.0	31.4	94.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

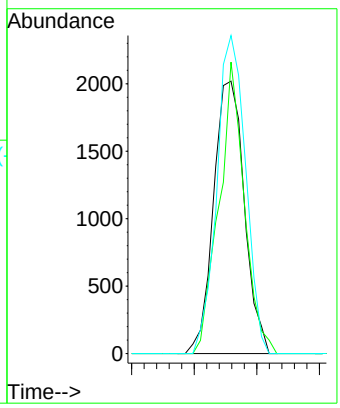
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

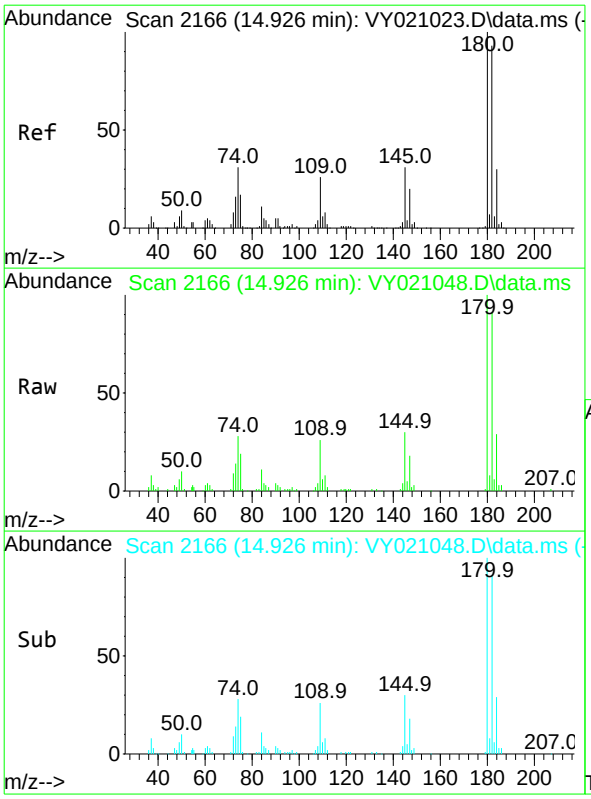


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.307 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion: 75 Resp: 3450

Ion	Ratio	Lower	Upper
75	100		
155	88.2	42.1	126.3
157	109.2	55.8	167.4

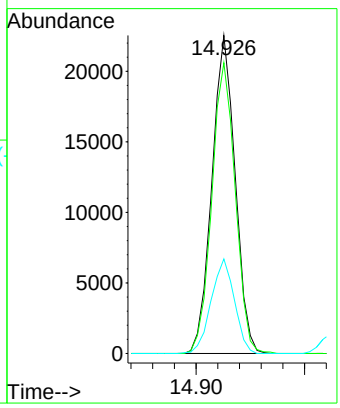




#93
1,2,4-Trichlorobenzene
Concen: 18.321 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:180 Resp: 33572

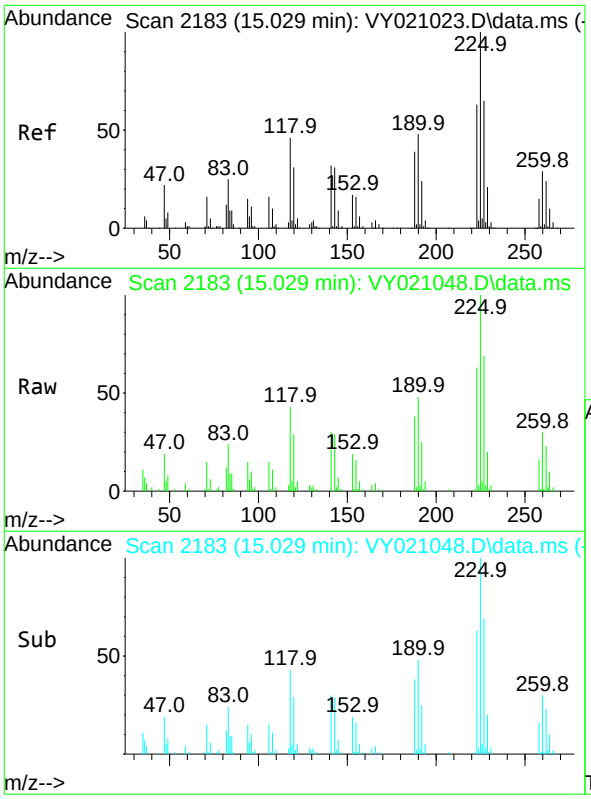
Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.9	143.7
145	29.7	15.9	47.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

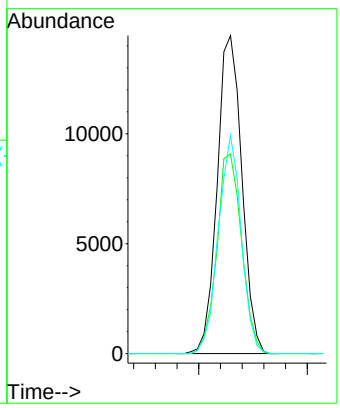
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

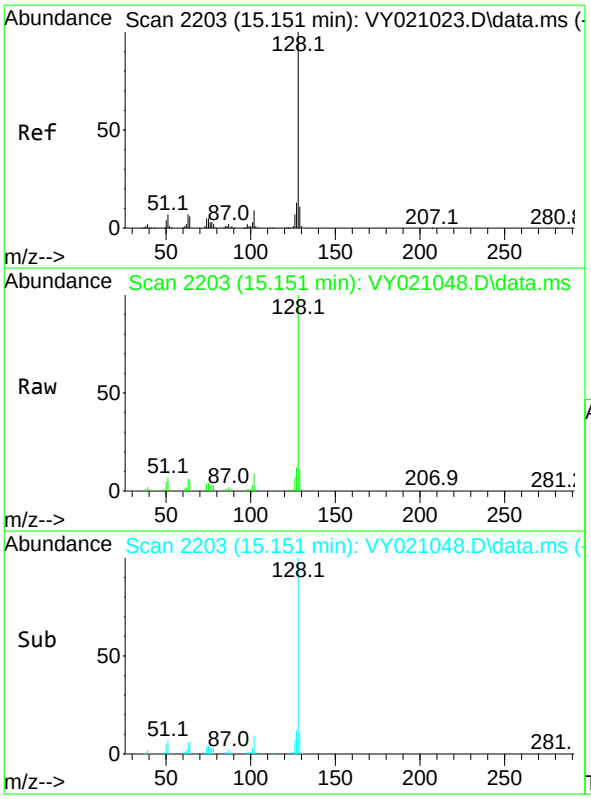


#94
Hexachlorobutadiene
Concen: 18.801 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:225 Resp: 22831

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.3
227	63.7	32.3	96.8

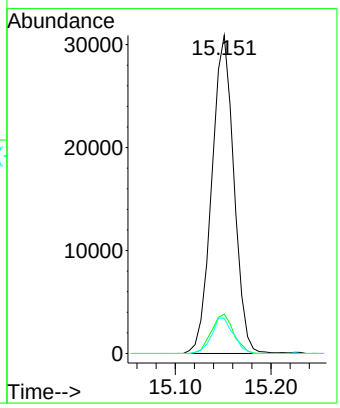




#95
Naphthalene
Concen: 16.901 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:128 Resp: 49550

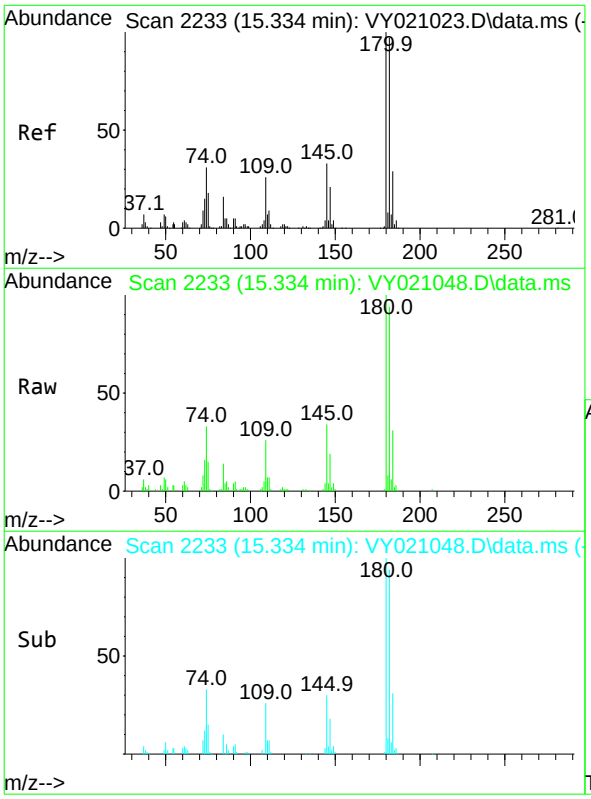
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	11.0	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Manual Integrations
APPROVED

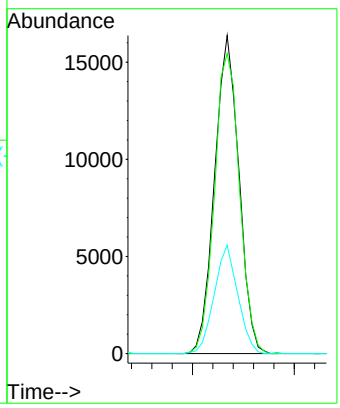
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.849 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021048.D
Acq: 04 Feb 2025 10:52

Tgt Ion:180 Resp: 27220

Ion	Ratio	Lower	Upper
180	100		
182	97.0	46.3	138.8
145	33.0	16.1	48.2



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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0205SBS01	SDG No.:	Q1241
Lab Sample ID:	VY0205SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021076.D	1		02/05/25 10:21	VY020525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.9		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.2		0.77	5.00	ug/Kg
74-83-9	Bromomethane	18.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	18.1		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.1		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	17.9		1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	90.0		15.6	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	17.9		0.78	5.00	ug/Kg
67-64-1	Acetone	97.1		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.0		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.5		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	18.5		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	18.7		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	19.1		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.2		0.69	5.00	ug/Kg
78-93-3	2-Butanone	94.8		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.9		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.8		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	19.3		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.0		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.8		0.87	5.00	ug/Kg
71-43-2	Benzene	19.3		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.4		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.7		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.4		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.3		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	93.8		4.40	25.0	ug/Kg

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0205SBS01	SDG No.:	Q1241
Lab Sample ID:	VY0205SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021076.D	1		02/05/25 10:21	VY020525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	19.1		0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	18.8		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.0		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.8		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	94.4		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.8		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.8		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.7		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.8		0.70	5.00	ug/Kg
100-42-5	Styrene	19.4		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.7		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.0		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.6		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.6		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	18.7		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.4		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.1		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.6		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.6		50 - 163	93%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		54 - 147	92%	SPK: 50
2037-26-5	Toluene-d8	46.7		58 - 134	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		29 - 146	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	7.719			
540-36-3	1,4-Difluorobenzene	237000	8.622			
3114-55-4	Chlorobenzene-d5	204000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.359			

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0205SBS01	SDG No.:	Q1241
Lab Sample ID:	VY0205SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021076.D	1		02/05/25 10:21	VY020525

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\VY020525\
Data File : VY021076.D
Acq On : 05 Feb 2025 10:21
Operator : SY/MD
Sample : VY0205SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 06 00:25:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	152907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	236588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	204354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	102238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	73013	46.604	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.200%			
35) Dibromofluoromethane	7.646	113	69781	46.023	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.040%			
50) Toluene-d8	10.115	98	269294	46.653	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.300%			
62) 4-Bromofluorobenzene	12.414	95	88083	46.709	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	24364	17.877	ug/l	98
3) Chloromethane	2.074	50	24676	18.349	ug/l	98
4) Vinyl Chloride	2.214	62	24675	18.229	ug/l	96
5) Bromomethane	2.604	94	15298	18.286	ug/l	97
6) Chloroethane	2.745	64	14560	18.070	ug/l	97
7) Trichlorofluoromethane	3.068	101	44533	18.059	ug/l	97
8) Diethyl Ether	3.464	74	14142	18.370	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	27699	17.897	ug/l	91
10) Methyl Iodide	4.019	142	29455	17.130	ug/l	94
11) Tert butyl alcohol	4.872	59	9557	90.020	ug/l	100
12) 1,1-Dichloroethene	3.799	96	26094	17.898	ug/l	89
13) Acrolein	3.665	56	14921	91.270	ug/l	98
14) Allyl chloride	4.397	41	45623	18.568	ug/l	93
15) Acrylonitrile	5.073	53	30380	94.768	ug/l	98
16) Acetone	3.879	43	23729	97.124	ug/l	93
17) Carbon Disulfide	4.122	76	77813	17.021	ug/l	100
18) Methyl Acetate	4.403	43	15882	18.518	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	68036	18.463	ug/l	98
20) Methylene Chloride	4.628	84	28427	18.717	ug/l	91
21) trans-1,2-Dichloroethene	5.128	96	29454	18.353	ug/l	96
22) Diisopropyl ether	6.031	45	99968	19.738	ug/l	97
23) Vinyl Acetate	5.976	43	271055	96.005	ug/l	97
24) 1,1-Dichloroethane	5.927	63	56819	19.148	ug/l	96
25) 2-Butanone	6.908	43	38053	94.782	ug/l	96
26) 2,2-Dichloropropane	6.896	77	52438	19.099	ug/l	96
27) cis-1,2-Dichloroethene	6.908	96	34817	18.848	ug/l	94
28) Bromochloromethane	7.262	49	24506	20.885	ug/l	99
29) Tetrahydrofuran	7.274	42	25658	94.447	ug/l	94
30) Chloroform	7.433	83	58933	19.336	ug/l	100
31) Cyclohexane	7.713	56	48643	18.204	ug/l	92
32) 1,1,1-Trichloroethane	7.628	97	53746	18.967	ug/l	99
36) 1,1-Dichloropropene	7.847	75	41874	18.646	ug/l	98
37) Ethyl Acetate	7.000	43	19282	19.572	ug/l	98
38) Carbon Tetrachloride	7.829	117	49652	18.922	ug/l	98
39) Methylcyclohexane	9.115	83	48849	17.783	ug/l	99
40) Benzene	8.091	78	127371	19.326	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021076.D
Acq On : 05 Feb 2025 10:21
Operator : SY/MD
Sample : VY0205SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 06 00:25:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.232	41	9669	16.964 ug/l #	94
42) 1,2-Dichloroethane	8.170	62	35432	19.380 ug/l	97
43) Isopropyl Acetate	8.201	43	37570	19.192 ug/l	97
44) Trichloroethene	8.872	130	31914	18.743 ug/l	99
45) 1,2-Dichloropropane	9.152	63	30335	19.392 ug/l	96
46) Dibromomethane	9.243	93	16650	19.224 ug/l	96
47) Bromodichloromethane	9.432	83	44926	19.341 ug/l	98
48) Methyl methacrylate	9.225	41	16532	18.540 ug/l	95
49) 1,4-Dioxane	9.243	88	2985	370.220 ug/l	94
51) 4-Methyl-2-Pentanone	10.005	43	92379	93.841 ug/l	98
52) Toluene	10.176	92	79165	19.130 ug/l	97
53) t-1,3-Dichloropropene	10.402	75	39278	18.832 ug/l	96
54) cis-1,3-Dichloropropene	9.865	75	46922	19.000 ug/l	92
55) 1,1,2-Trichloroethane	10.579	97	22247	19.836 ug/l	95
56) Ethyl methacrylate	10.444	69	27082	18.050 ug/l	90
57) 1,3-Dichloropropane	10.725	76	38507	19.836 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	67032	93.908 ug/l	99
59) 2-Hexanone	10.768	43	59843	94.415 ug/l	95
60) Dibromochloromethane	10.920	129	30519	19.377 ug/l	98
61) 1,2-Dibromoethane	11.024	107	19864	18.909 ug/l	99
64) Tetrachloroethene	10.652	164	28485	18.777 ug/l	96
65) Chlorobenzene	11.450	112	85442	18.777 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.523	131	30732	19.005 ug/l	97
67) Ethyl Benzene	11.530	91	150727	18.728 ug/l	100
68) m/p-Xylenes	11.639	106	114815	38.134 ug/l	97
69) o-Xylene	11.962	106	52702	18.775 ug/l	96
70) Styrene	11.975	104	90846	19.417 ug/l	99
71) Bromoform	12.139	173	16851	18.722 ug/l #	94
73) Isopropylbenzene	12.261	105	144026	18.034 ug/l	99
74) N-amyl acetate	12.078	43	30932	17.716 ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.517	83	24086	18.134 ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	18770m	20.239 ug/l	
77) Bromobenzene	12.542	156	34185	18.549 ug/l	92
78) n-propylbenzene	12.603	91	177156	18.622 ug/l	100
79) 2-Chlorotoluene	12.688	91	99545	18.269 ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	121377	18.745 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.316	75	7901	17.383 ug/l	91
82) 4-Chlorotoluene	12.785	91	103198	18.589 ug/l	99
83) tert-Butylbenzene	13.005	119	106073	18.023 ug/l	97
84) 1,2,4-Trimethylbenzene	13.054	105	120120	18.973 ug/l	98
85) sec-Butylbenzene	13.182	105	155667	18.374 ug/l	99
86) p-Isopropyltoluene	13.298	119	130183	18.499 ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	66165	18.594 ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	65178	18.602 ug/l	97
89) n-Butylbenzene	13.627	91	118515	18.460 ug/l	99
90) Hexachloroethane	13.889	117	26681	18.173 ug/l	86
91) 1,2-Dichlorobenzene	13.669	146	57678	18.675 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	3445	17.357 ug/l	99
93) 1,2,4-Trichlorobenzene	14.931	180	31197	18.146 ug/l	99
94) Hexachlorobutadiene	15.035	225	20362	17.873 ug/l	99
95) Naphthalene	15.157	128	45983	16.718 ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	25221	17.628 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021076.D
Acq On : 05 Feb 2025 10:21
Operator : SY/MD
Sample : VY0205SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 06 00:25:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

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

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

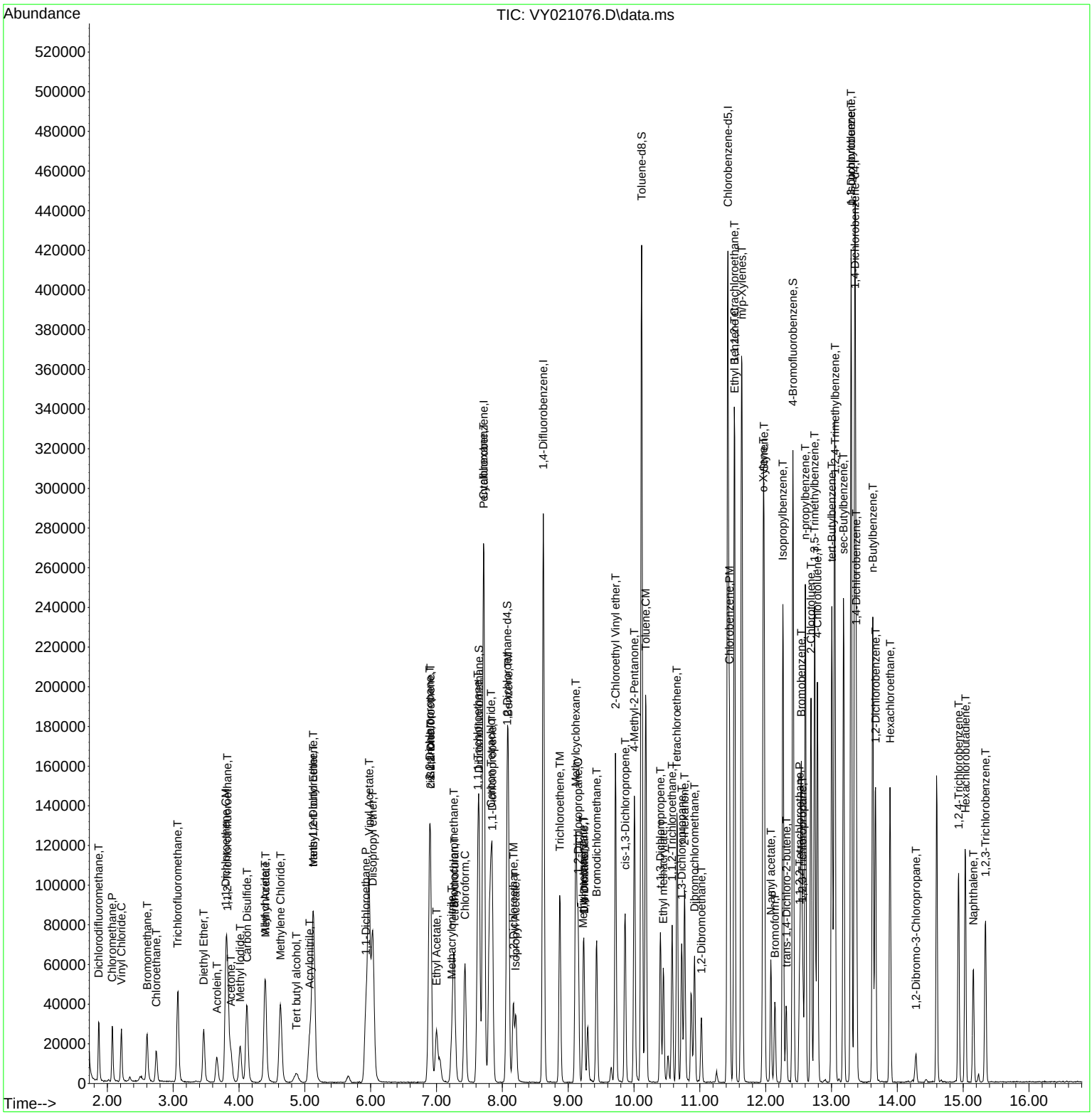
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Data File : VY021076.D
Acq On : 05 Feb 2025 10:21
Operator : SY/MD
Sample : VY0205SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

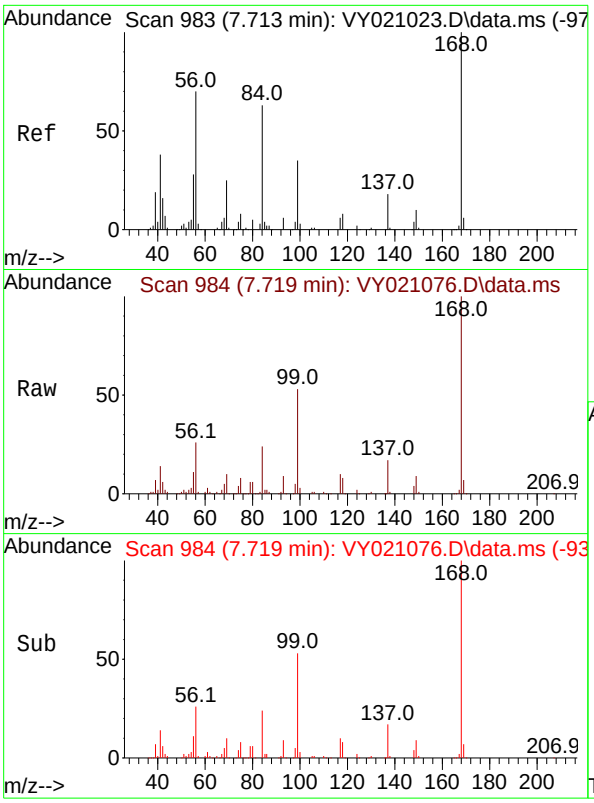
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Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

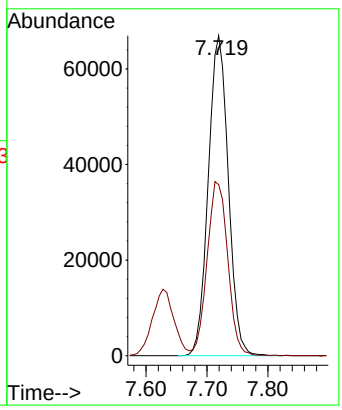




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:168 Resp: 15290

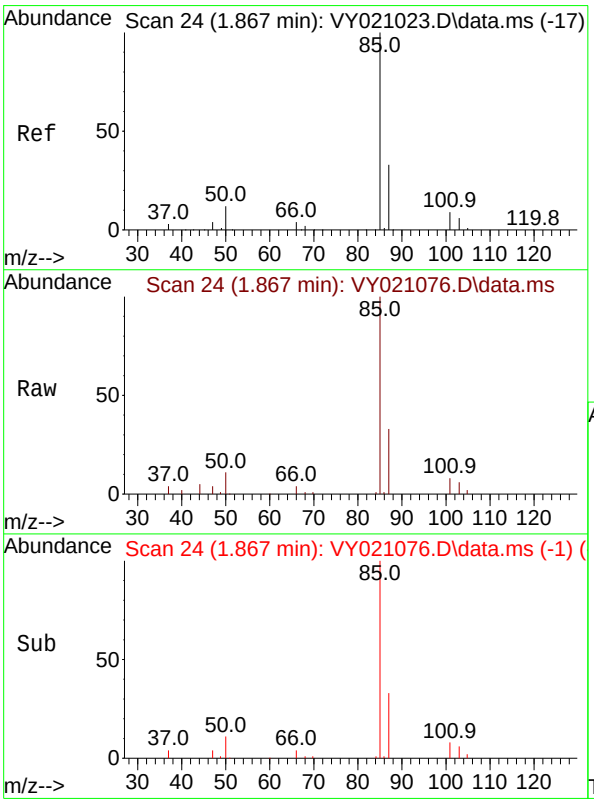
Ion	Ratio	Lower	Upper
168	100		
99	53.4	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

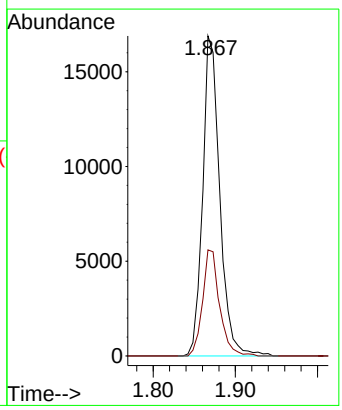
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

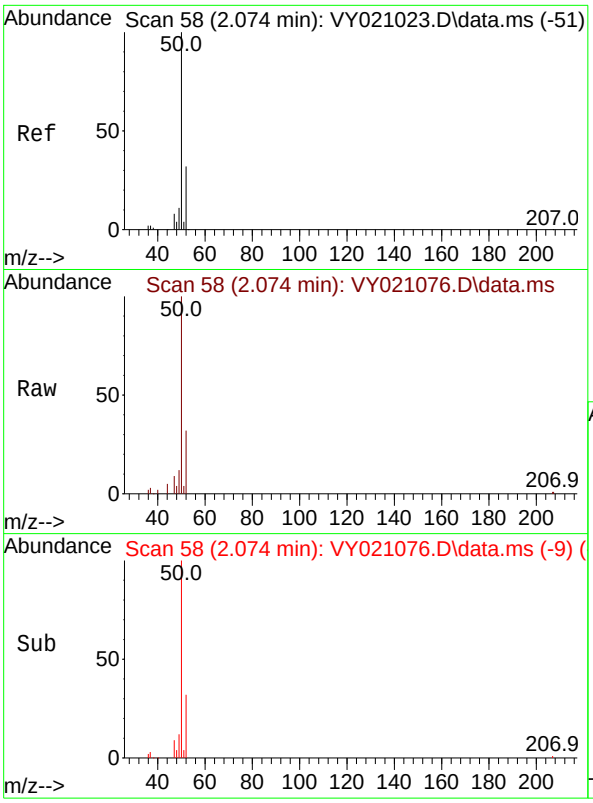


#2
Dichlorodifluoromethane
Concen: 17.877 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 85 Resp: 24364

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.1	51.3

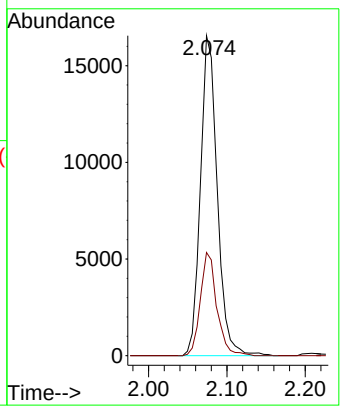




#3
Chloromethane
Concen: 18.349 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 50 Resp: 2467

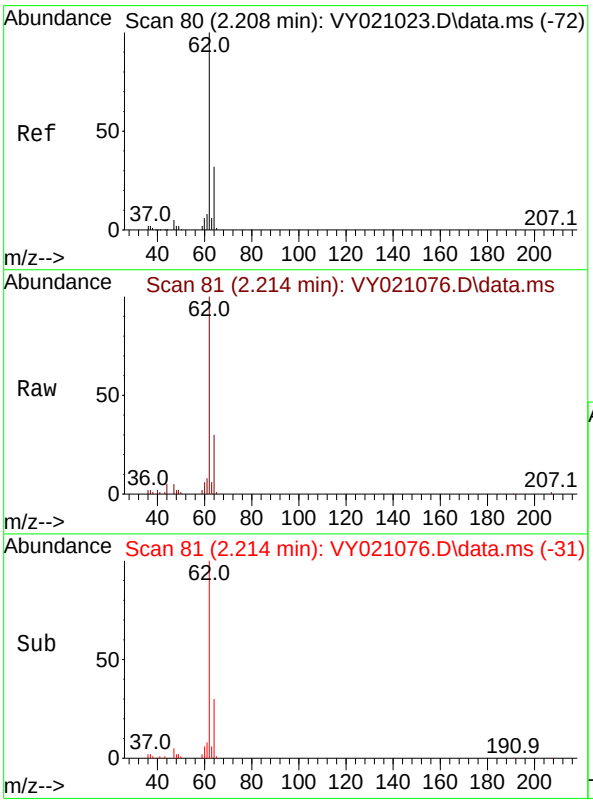
Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

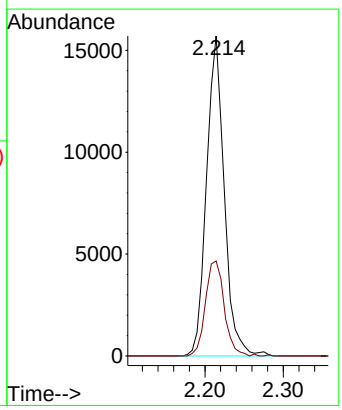
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

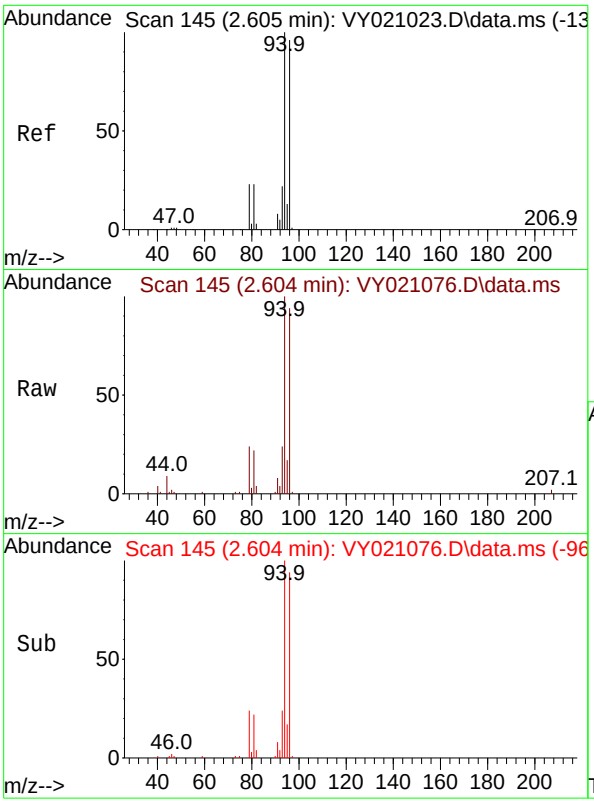


#4
Vinyl Chloride
Concen: 18.229 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 62 Resp: 24675

Ion	Ratio	Lower	Upper
62	100		
64	29.7	25.7	38.5





#5
Bromomethane
Concen: 18.286 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

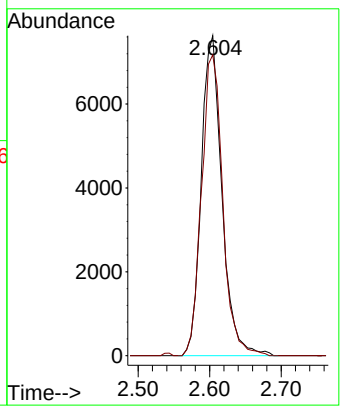
Tgt Ion: 94 Resp: 1529

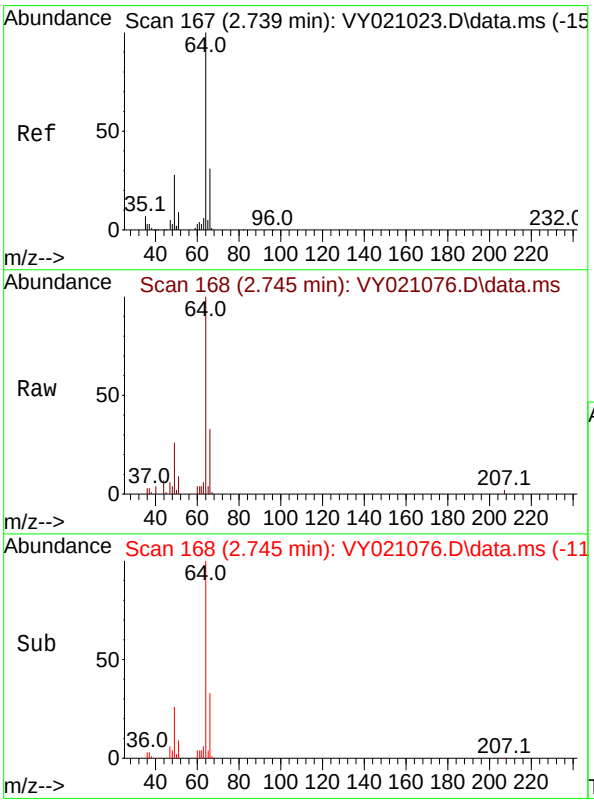
Ion	Ratio	Lower	Upper
94	100		
96	94.0	77.3	115.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

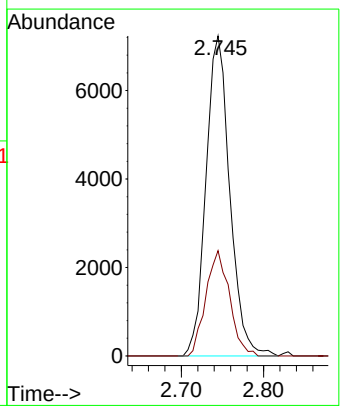


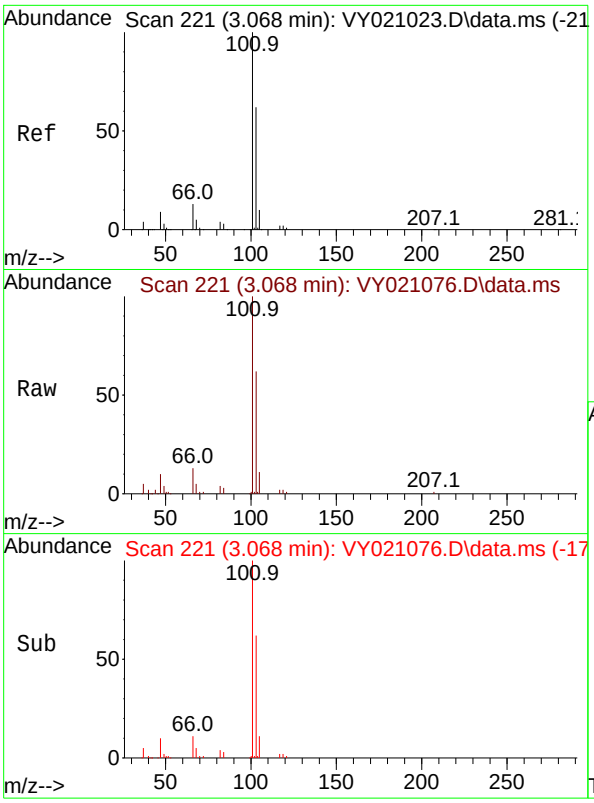


#6
Chloroethane
Concen: 18.070 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 64 Resp: 14560

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.1	37.7





#7
Trichlorofluoromethane
Concen: 18.059 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

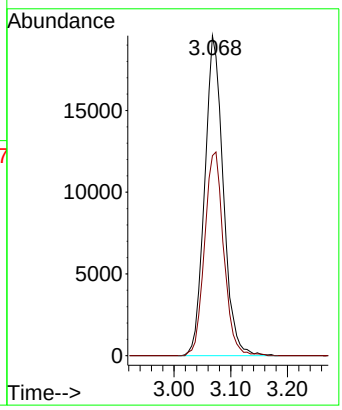
Tgt Ion:101 Resp: 4453

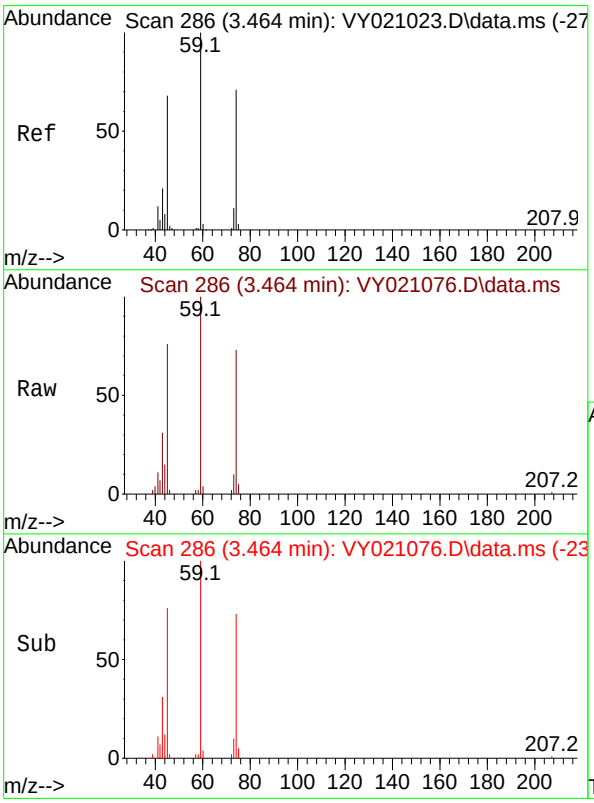
Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.9	77.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

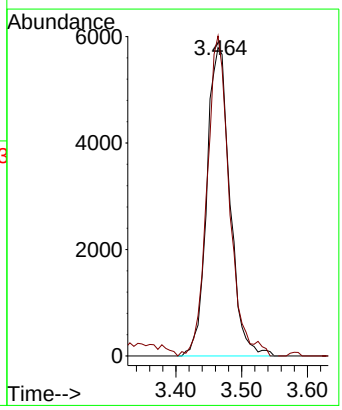


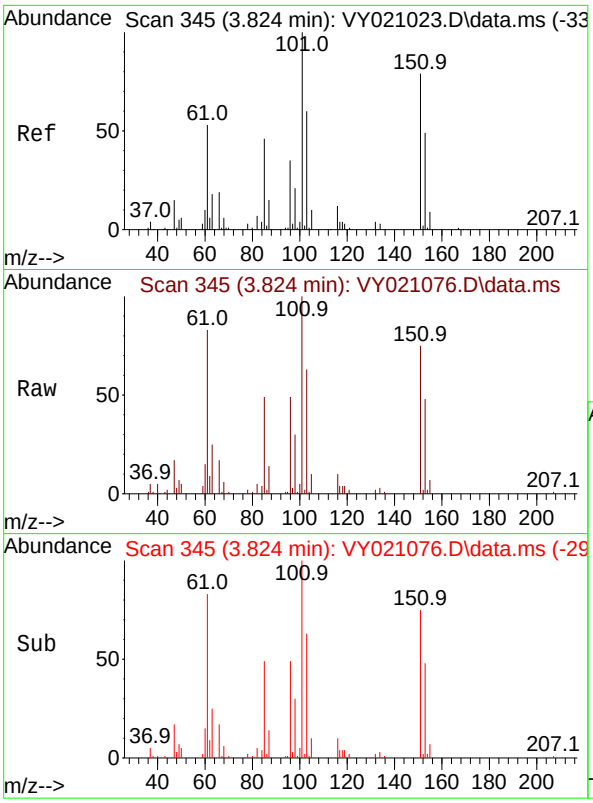


#8
Diethyl Ether
Concen: 18.370 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 74 Resp: 14142

Ion	Ratio	Lower	Upper
74	100		
45	100.6	47.9	143.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.897 ug/l
RT: 3.824 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

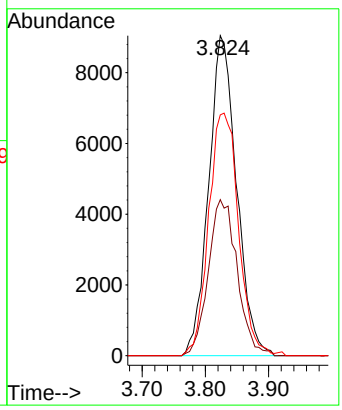
Tgt Ion:101 Resp: 2769

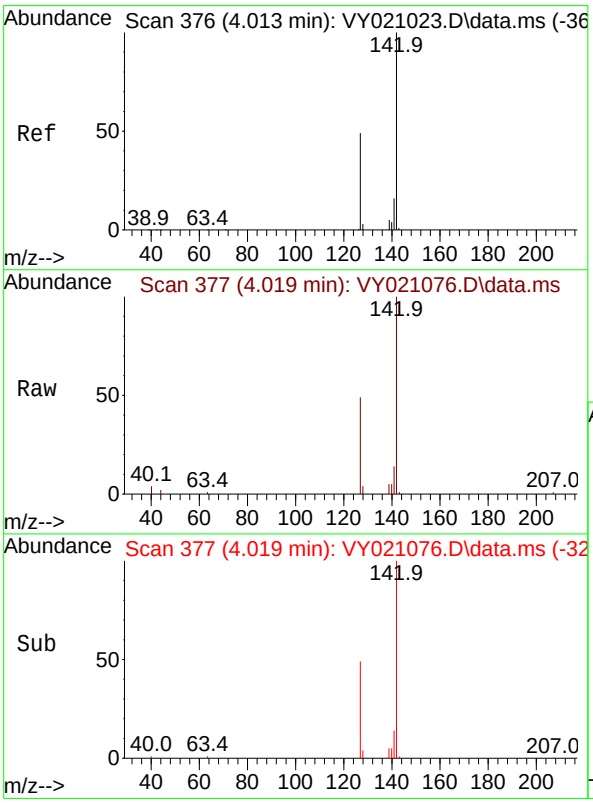
Ion	Ratio	Lower	Upper
101	100		
85	50.5	35.8	53.6
151	80.8	58.6	88.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

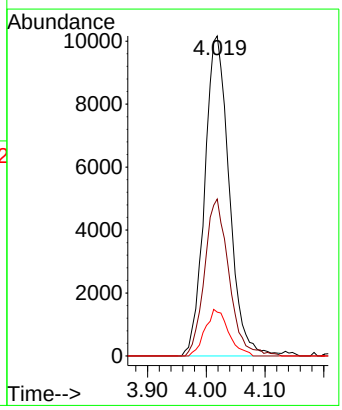


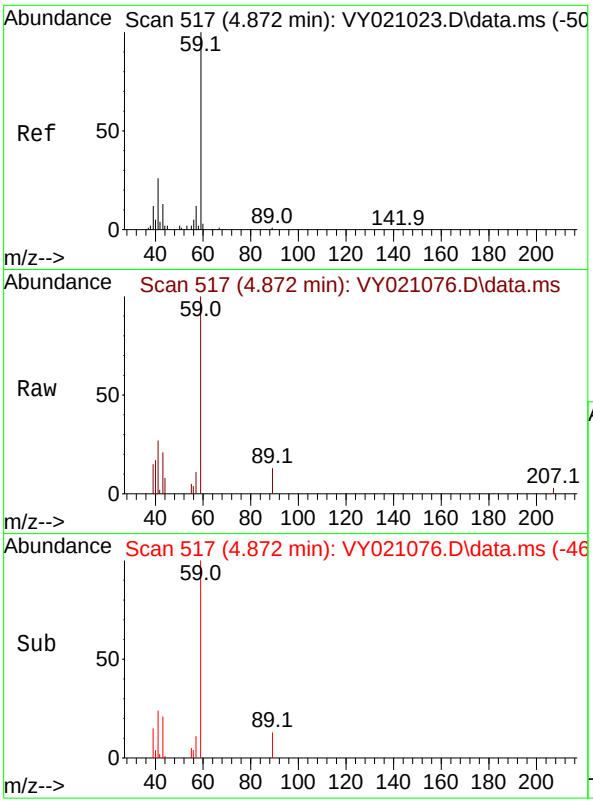


#10
Methyl Iodide
Concen: 17.130 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:142 Resp: 29455

Ion	Ratio	Lower	Upper
142	100		
127	48.9	35.1	52.7
141	13.9	11.8	17.6

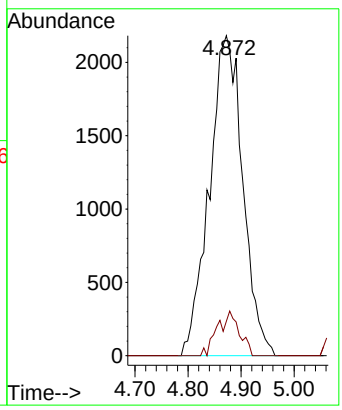




#11
Tert butyl alcohol
Concen: 90.020 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 59 Resp: 955

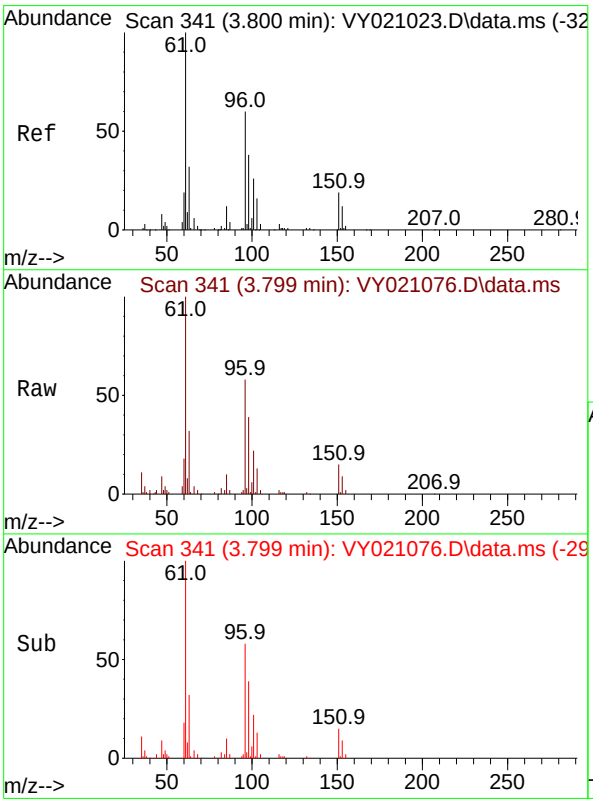
Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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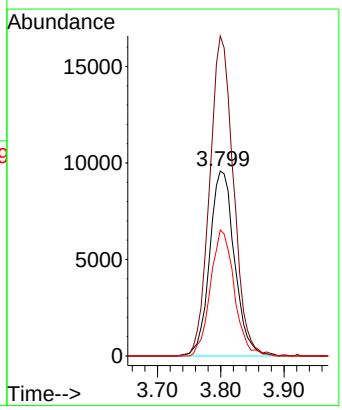
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

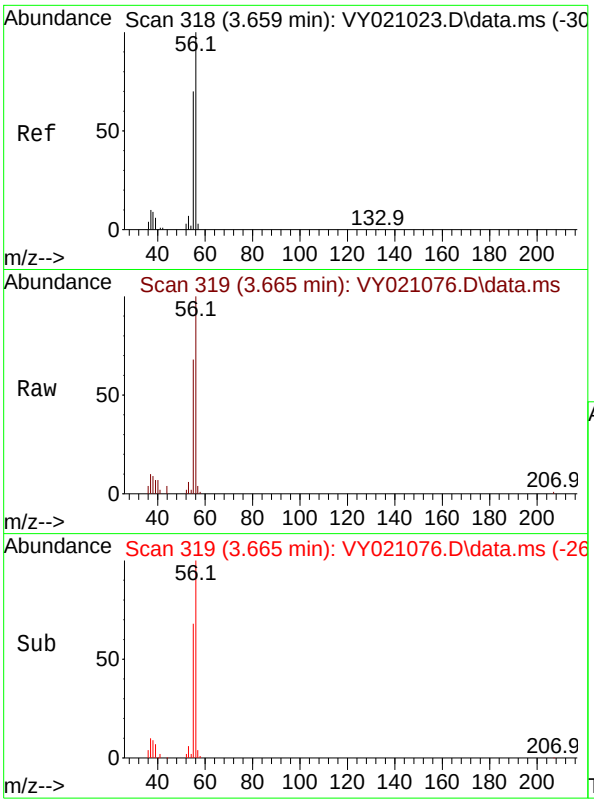


#12
1,1-Dichloroethene
Concen: 17.898 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 96 Resp: 26094

Ion	Ratio	Lower	Upper
96	100		
61	173.0	124.2	186.2
98	68.2	52.6	79.0

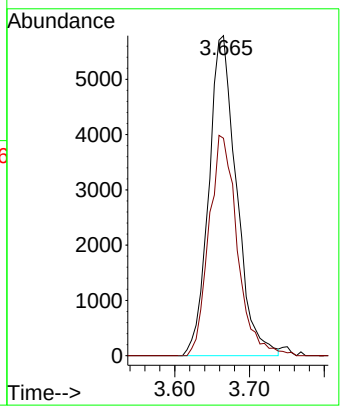




#13
Acrolein
Concen: 91.270 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 56 Resp: 1492

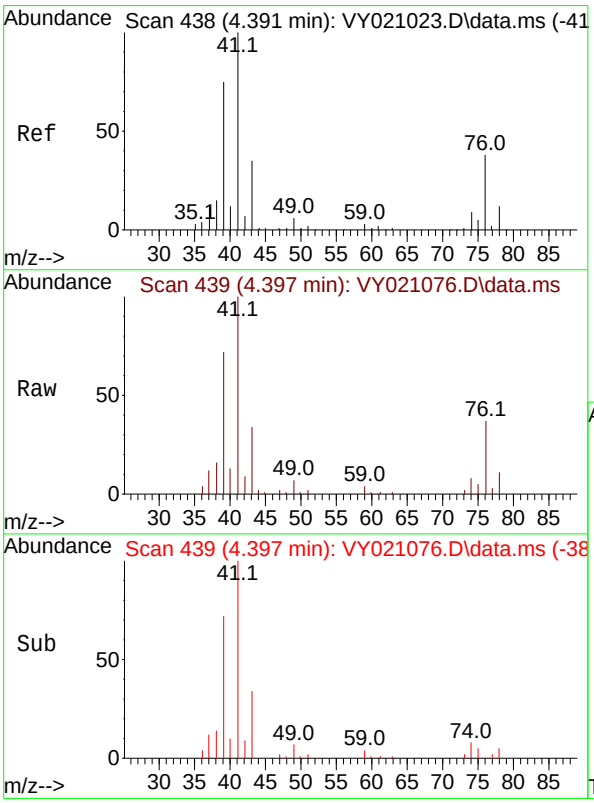
Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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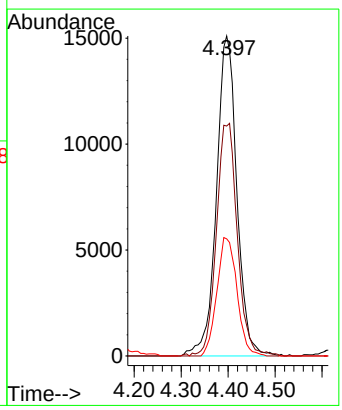
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

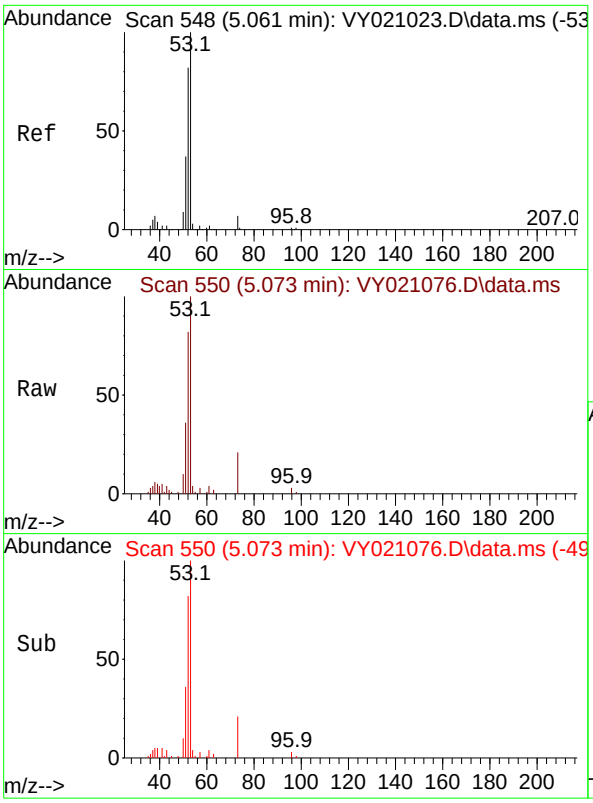


#14
Allyl chloride
Concen: 18.568 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 41 Resp: 45623

Ion	Ratio	Lower	Upper
41	100		
39	74.4	54.7	82.1
76	36.4	31.8	47.6





#15
Acrylonitrile
Concen: 94.768 ug/l
RT: 5.073 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

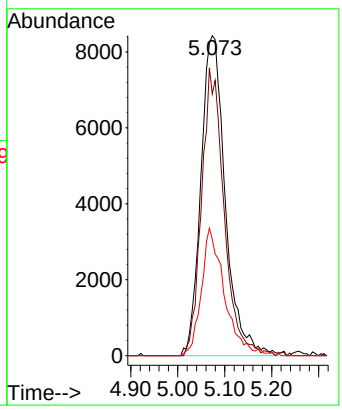
Tgt Ion: 53 Resp: 3038

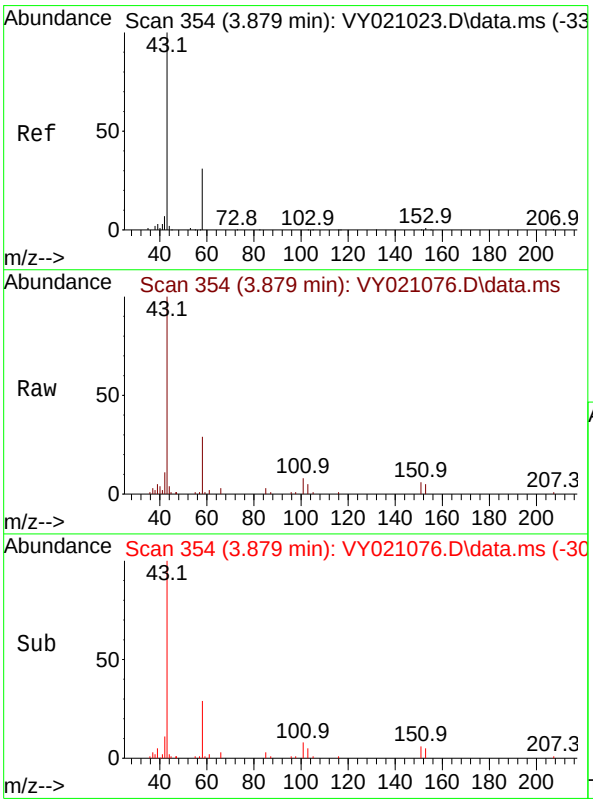
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.1	97.7
51	37.2	29.0	43.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

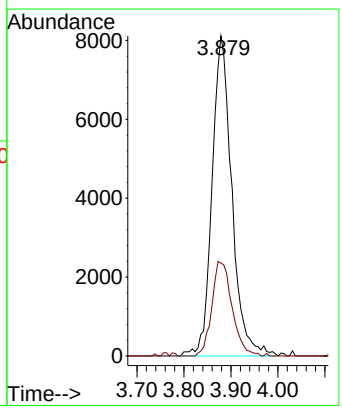


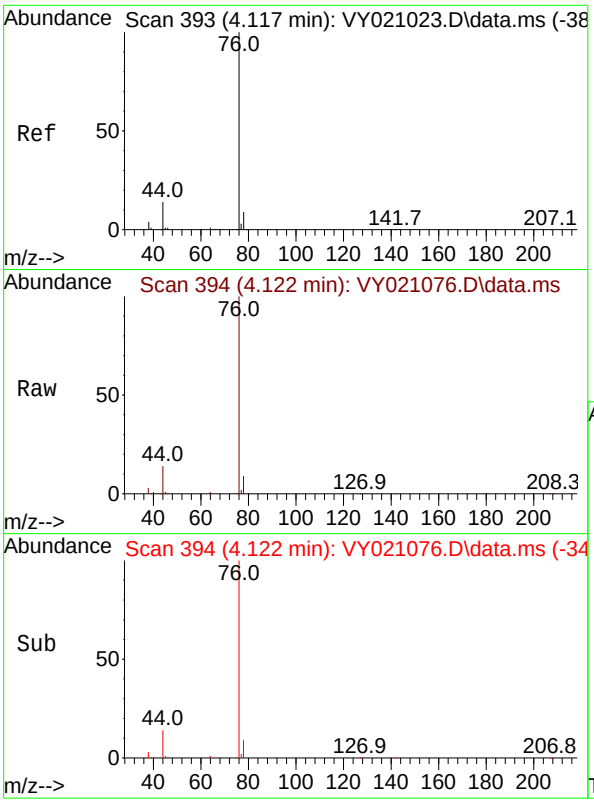


#16
Acetone
Concen: 97.124 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 43 Resp: 23729

Ion	Ratio	Lower	Upper
43	100		
58	29.0	26.6	39.8

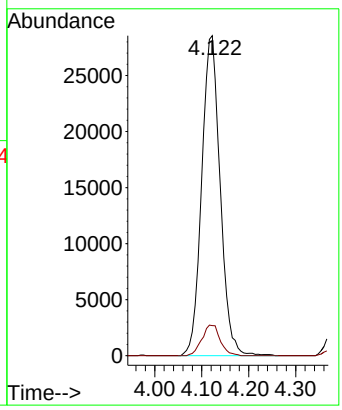




#17
Carbon Disulfide
Concen: 17.021 ug/l
RT: 4.122 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 76 Resp: 7781

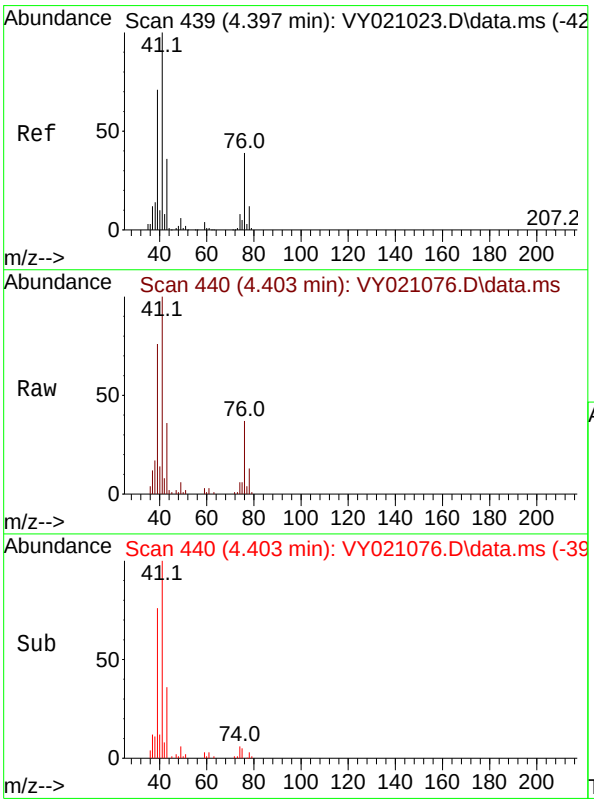
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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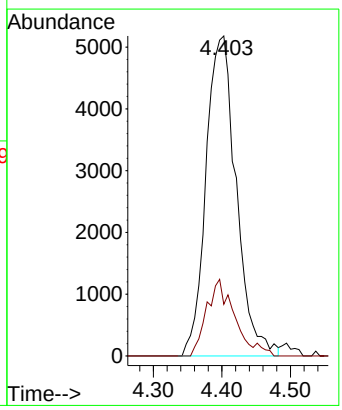
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

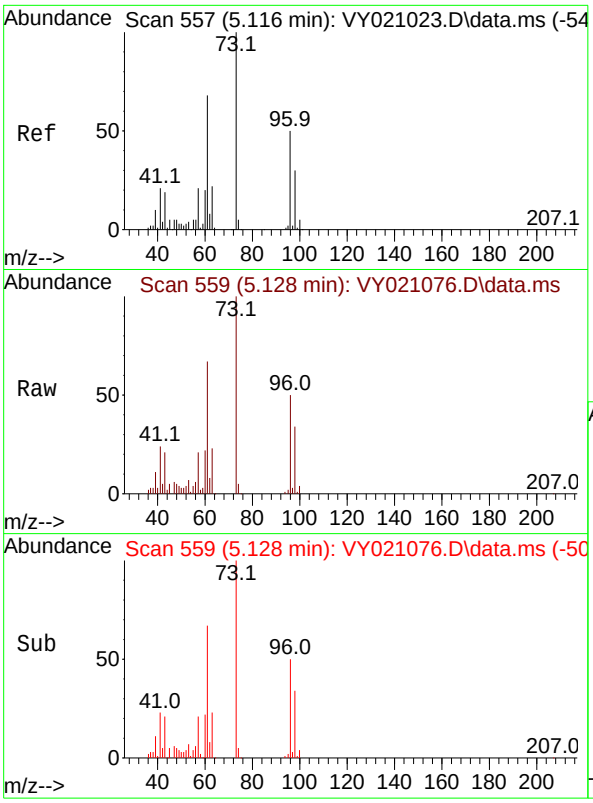


#18
Methyl Acetate
Concen: 18.518 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 43 Resp: 15882

Ion	Ratio	Lower	Upper
43	100		
74	22.4	19.8	29.6

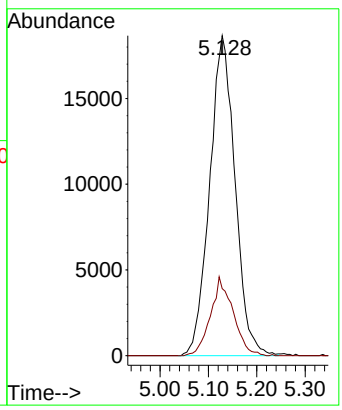




#19
Methyl tert-butyl Ether
Concen: 18.463 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 73 Resp: 6803

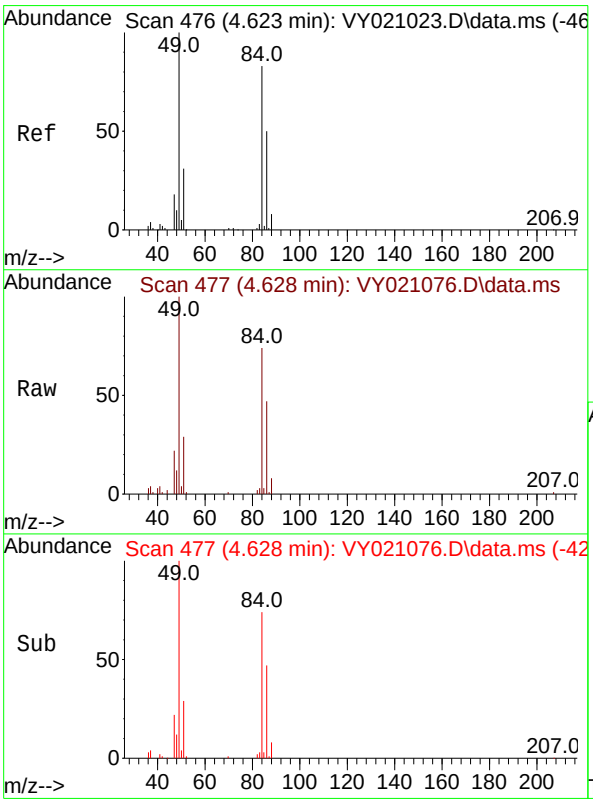
Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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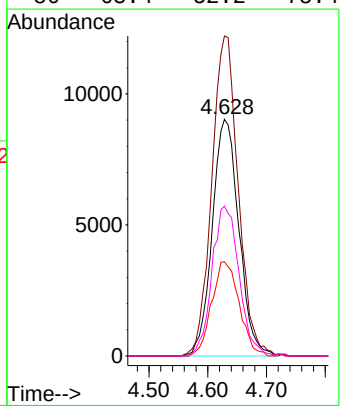
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

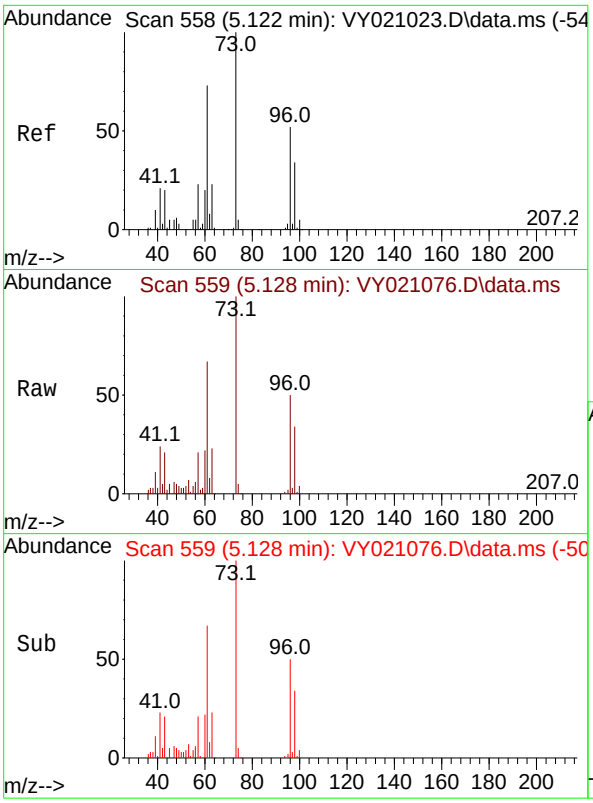


#20
Methylene Chloride
Concen: 18.717 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 84 Resp: 28427

Ion	Ratio	Lower	Upper
84	100		
49	135.2	95.2	142.8
51	39.8	29.9	44.9
86	63.4	52.2	78.4

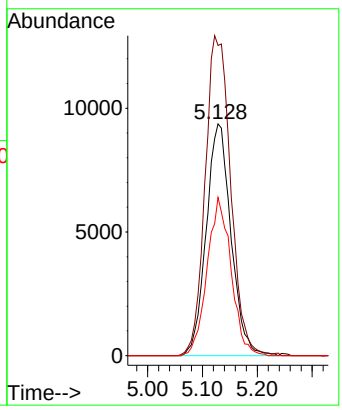




#21
trans-1,2-Dichloroethene
Concen: 18.353 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 96 Resp: 2945

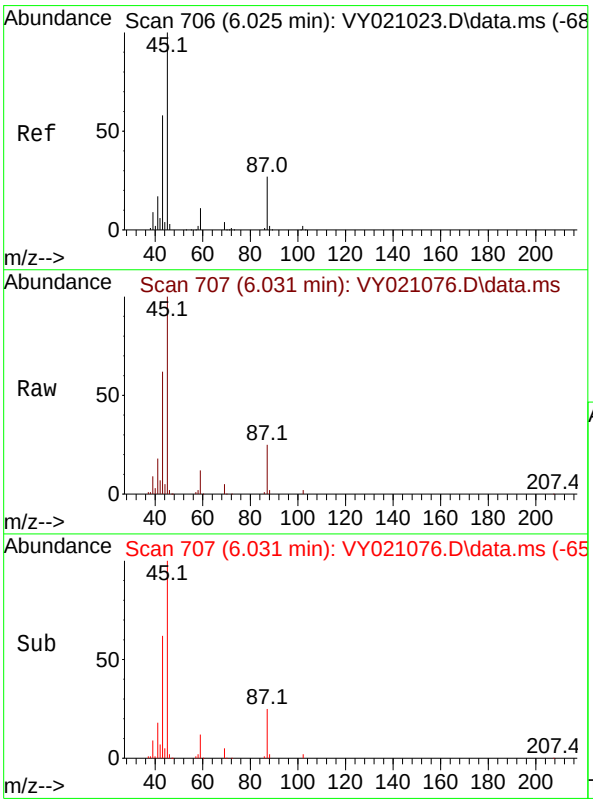
Ion	Ratio	Lower	Upper
96	100		
61	133.8	104.6	156.8
98	68.2	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

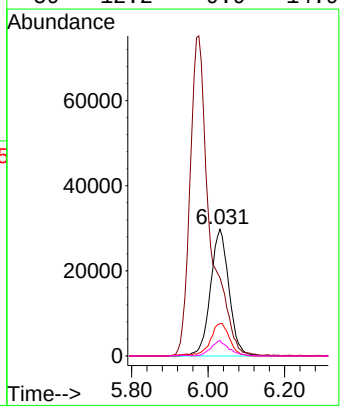
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

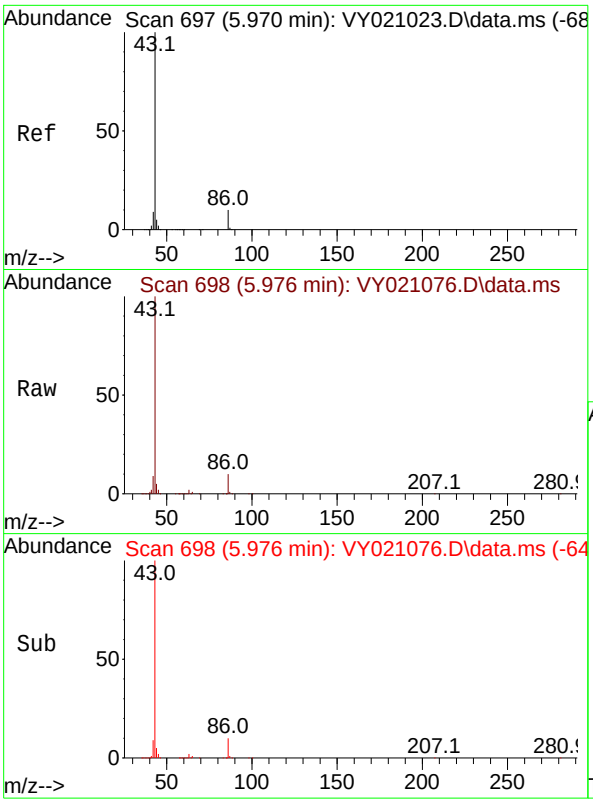


#22
Diisopropyl ether
Concen: 19.738 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 45 Resp: 99968

Ion	Ratio	Lower	Upper
45	100		
43	61.1	46.8	70.2
87	25.4	22.2	33.2
59	12.2	9.9	14.9

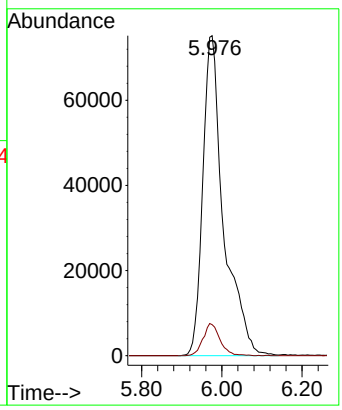




#23
Vinyl Acetate
Concen: 96.005 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 43 Resp: 27105

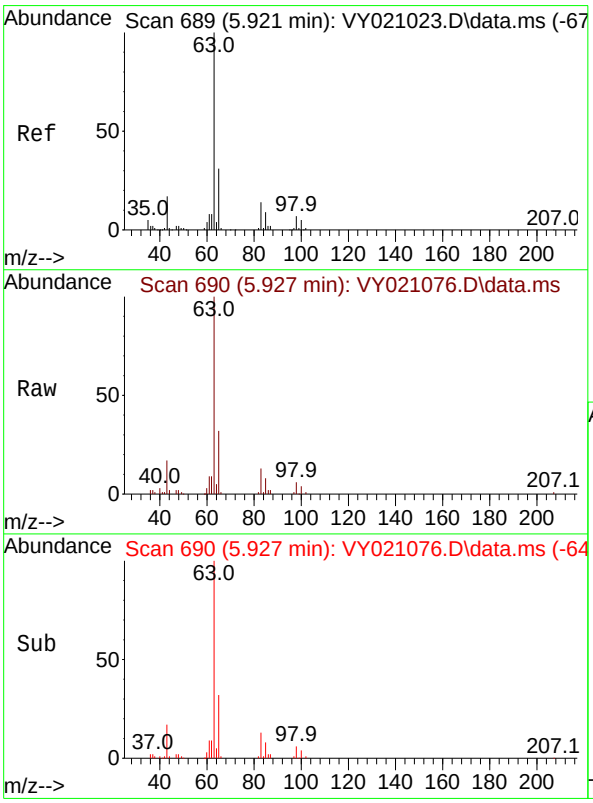
Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

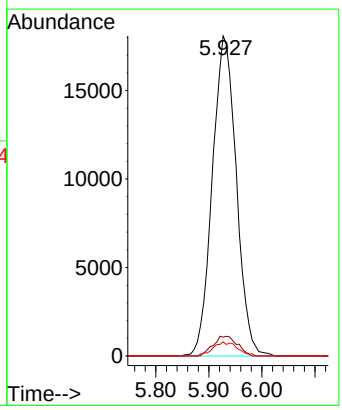
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

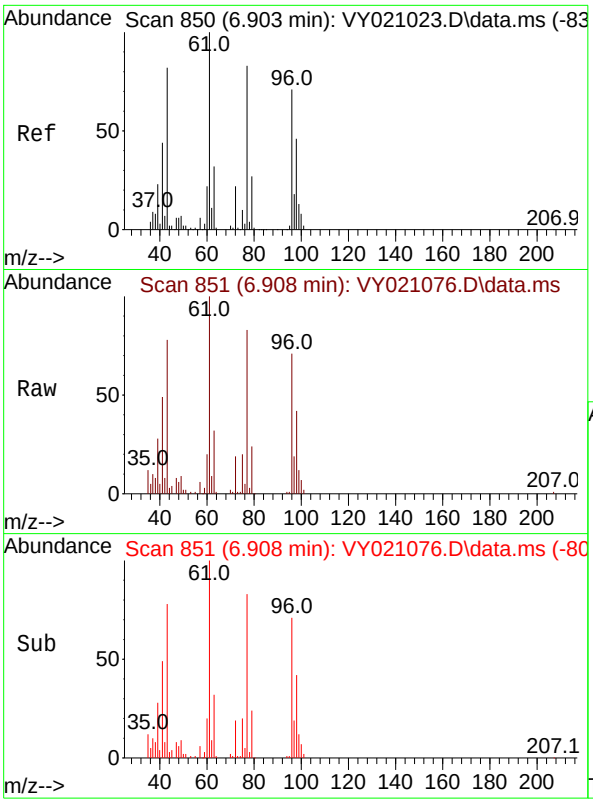


#24
1,1-Dichloroethane
Concen: 19.148 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 63 Resp: 56819

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.8	11.4
100	4.4	2.1	6.2





#25
2-Butanone
Concen: 94.782 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

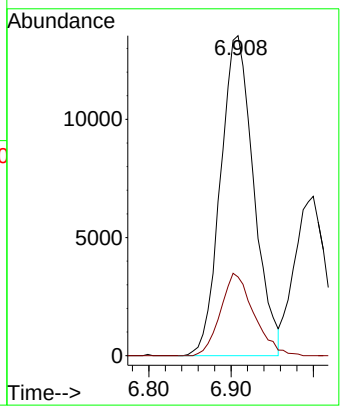
Tgt Ion: 43 Resp: 3805

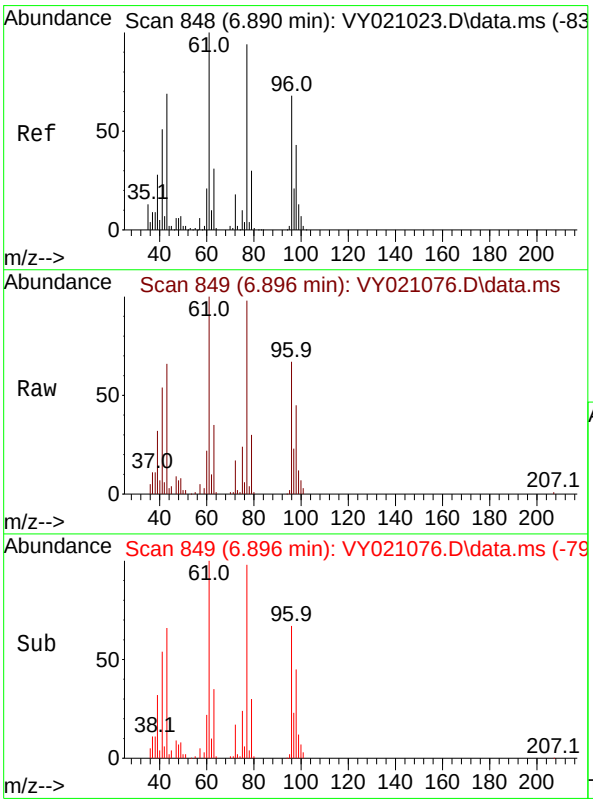
Ion	Ratio	Lower	Upper
43	100		
72	24.6	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

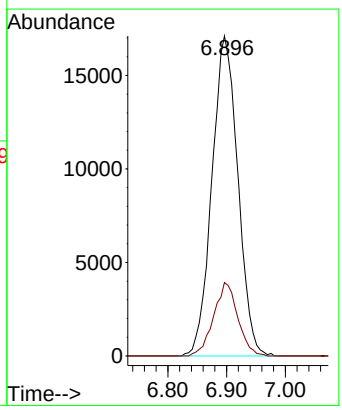


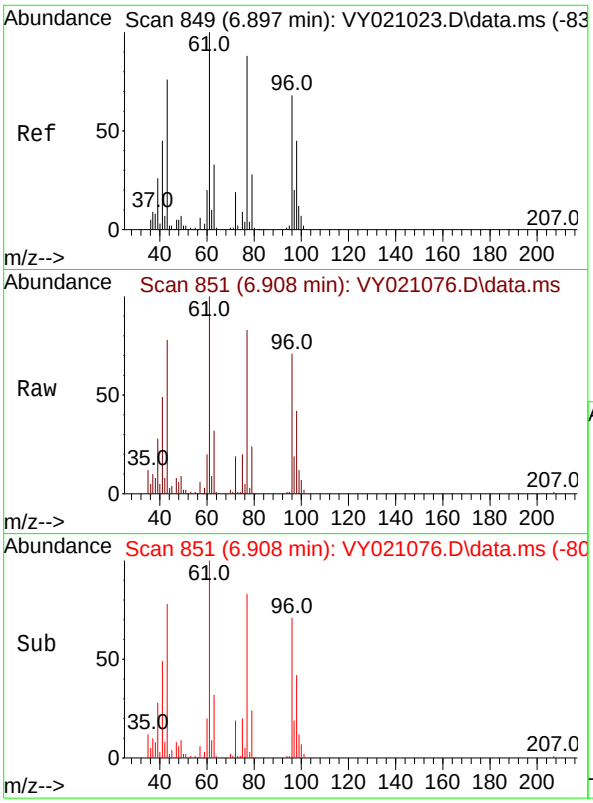


#26
2,2-Dichloropropane
Concen: 19.099 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 77 Resp: 52438

Ion	Ratio	Lower	Upper
77	100		
97	21.4	11.7	35.0

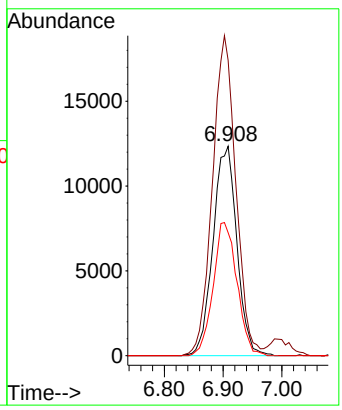




#27
cis-1,2-Dichloroethene
Concen: 18.848 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 96 Resp: 3481

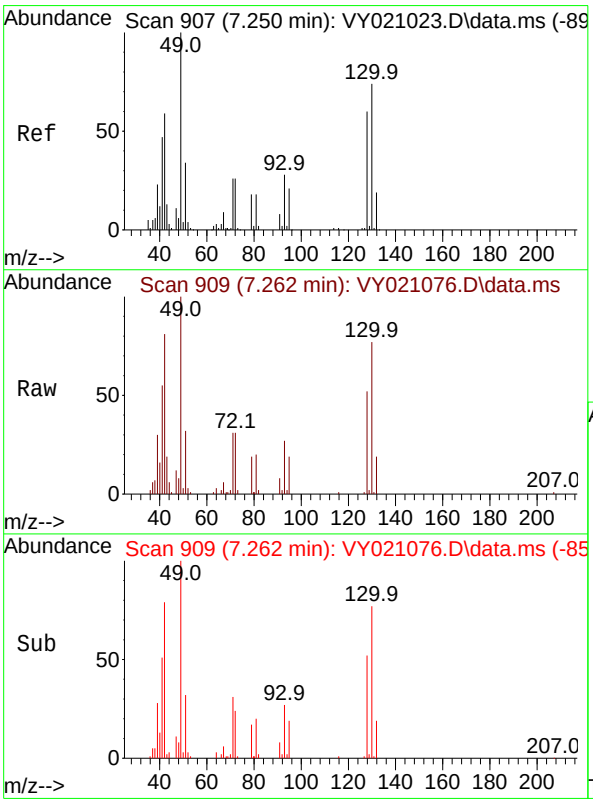
Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	278.8
98	63.4	0.0	127.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

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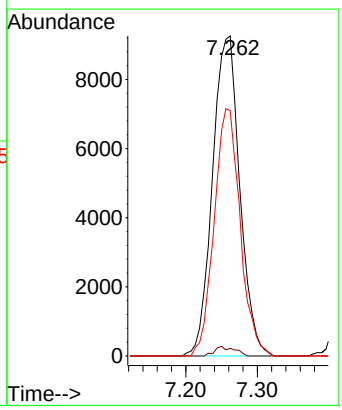
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

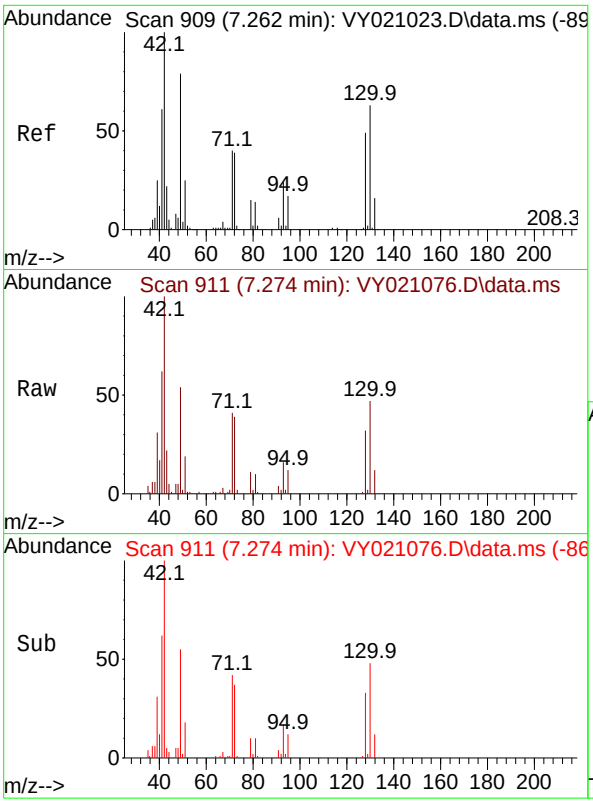


#28
Bromochloromethane
Concen: 20.885 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 49 Resp: 24506

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	73.6	59.8	89.8

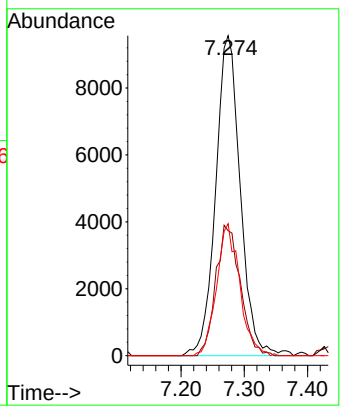




#29
Tetrahydrofuran
Concen: 94.447 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 42 Resp: 2565

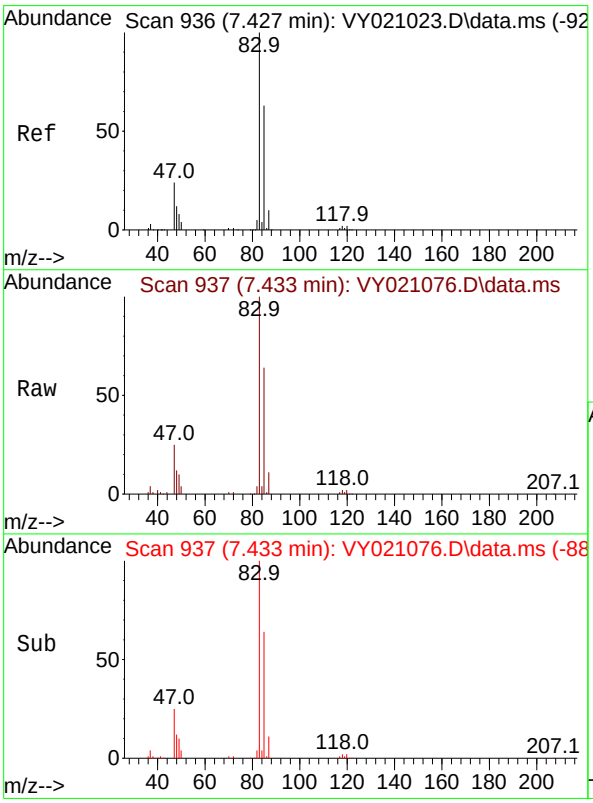
Ion	Ratio	Lower	Upper
42	100		
72	40.7	36.6	54.8
71	39.0	33.8	50.6



Instrument :
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ClientSampleId :
VY0205SBS01

Manual Integrations
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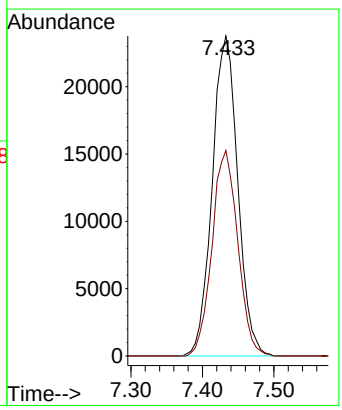
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

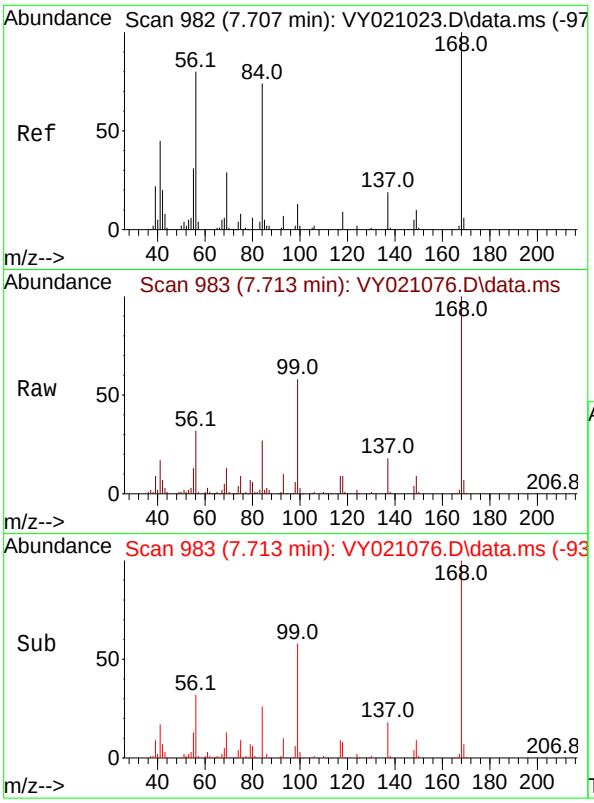


#30
Chloroform
Concen: 19.336 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 83 Resp: 58933

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.2	76.8





#31
Cyclohexane
Concen: 18.204 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

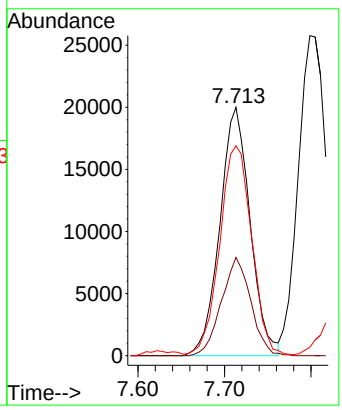
Tgt Ion: 56 Resp: 4864

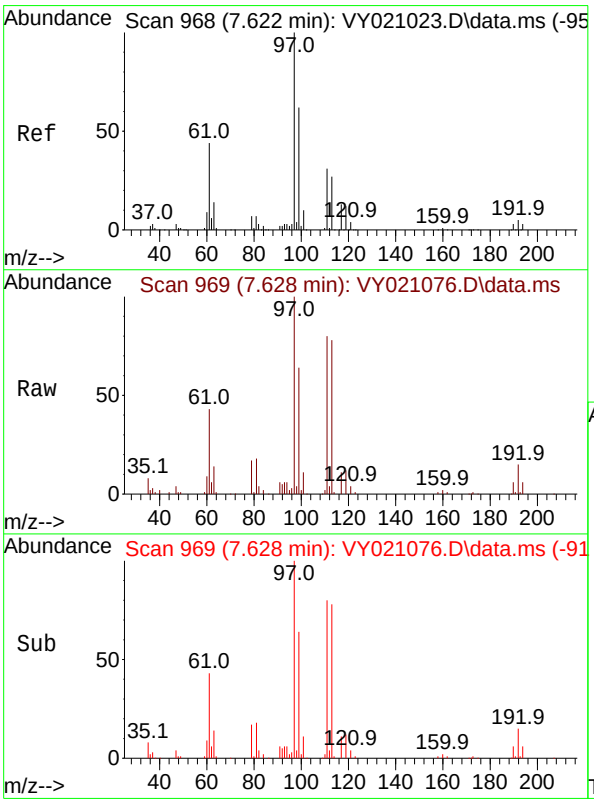
Ion	Ratio	Lower	Upper
56	100		
69	39.6	27.0	40.6
84	83.2	71.8	107.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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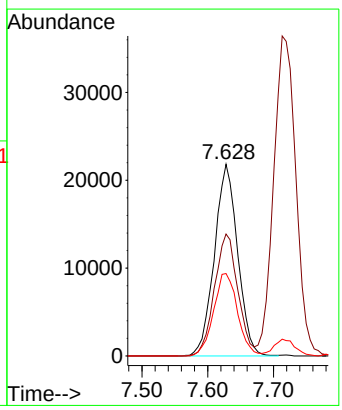


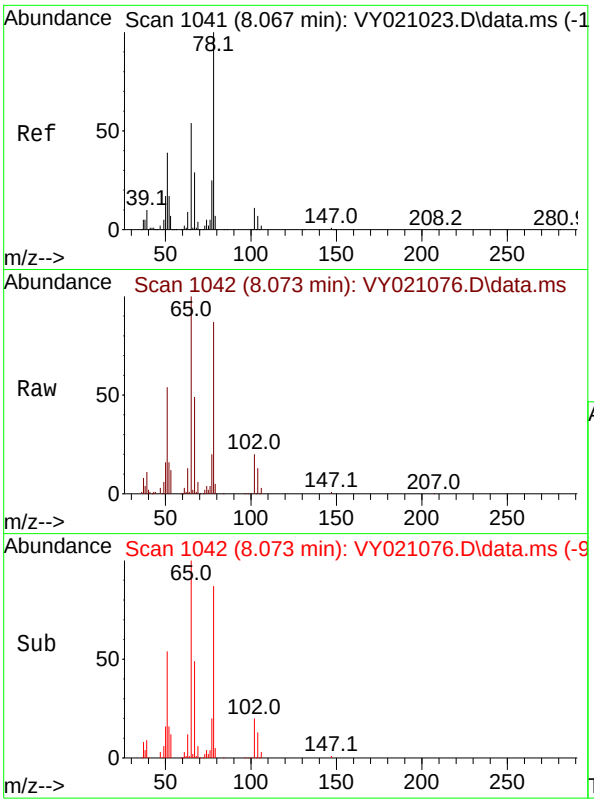


#32
1,1,1-Trichloroethane
Concen: 18.967 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 97 Resp: 53746

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.2	76.8
61	44.4	35.0	52.6

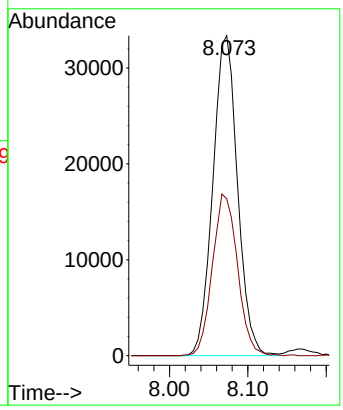




#33
1,2-Dichloroethane-d4
Concen: 46.604 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 65 Resp: 7301

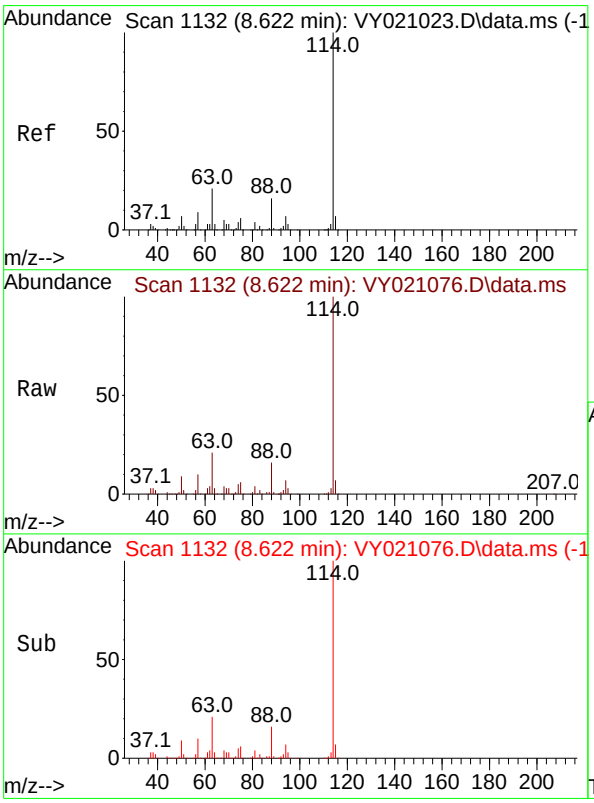
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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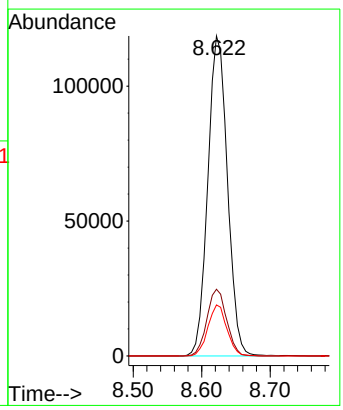
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

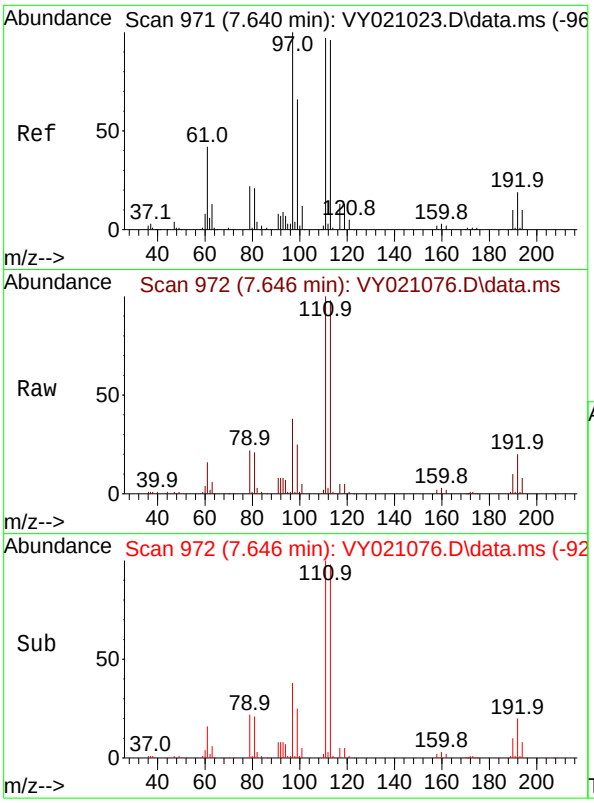


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:114 Resp: 236588

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	37.4
88	16.0	0.0	29.0





#35
Dibromofluoromethane
Concen: 46.023 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

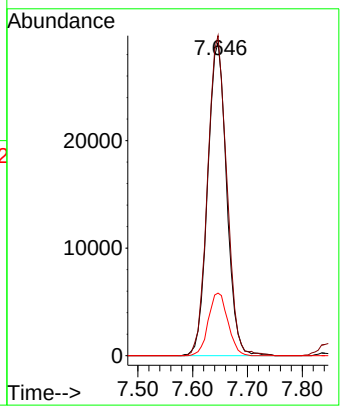
Tgt Ion:113 Resp: 6978

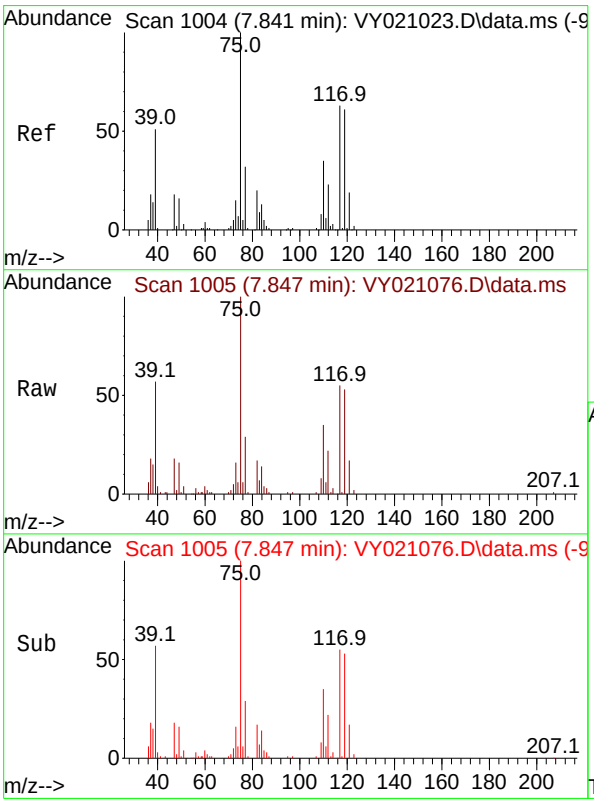
Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.8	125.6
192	20.6	14.5	21.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

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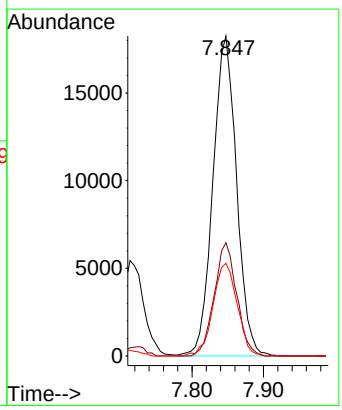


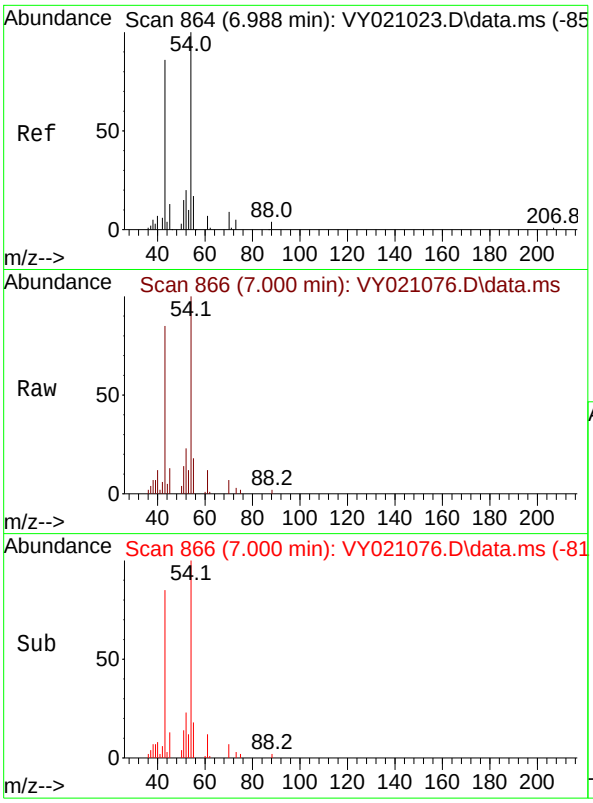


#36
1,1-Dichloropropene
Concen: 18.646 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 75 Resp: 41874

Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.4	52.3
77	29.7	24.7	37.1





#37
Ethyl Acetate
Concen: 19.572 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

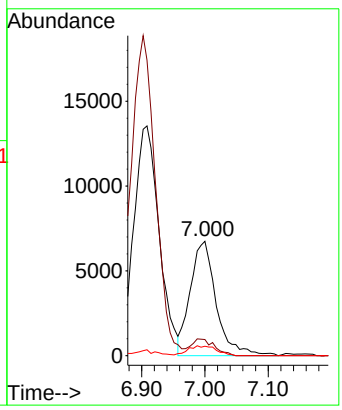
Tgt Ion: 43 Resp: 1928

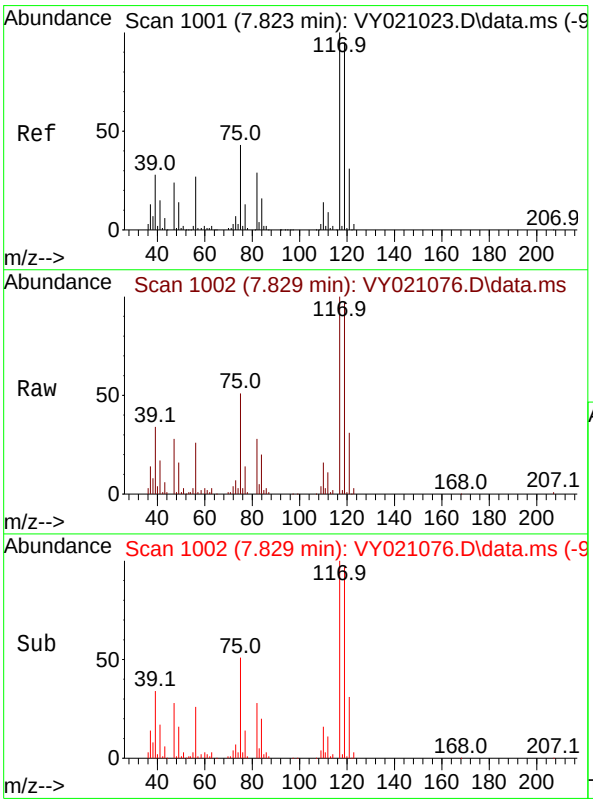
Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.0	16.6
70	9.4	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

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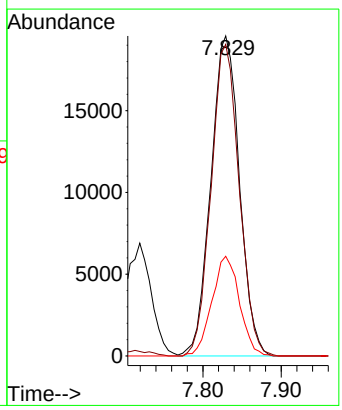


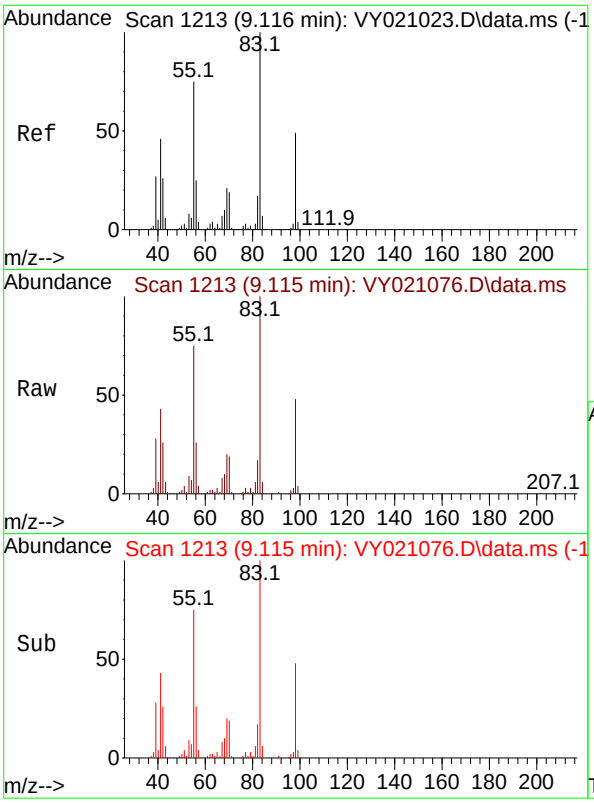


#38
Carbon Tetrachloride
Concen: 18.922 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:117 Resp: 49652

Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.0	114.0
121	31.1	24.2	36.2





#39
Methylcyclohexane
Concen: 17.783 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

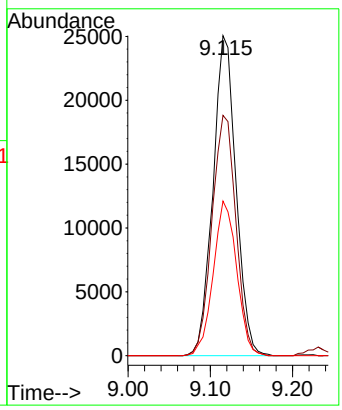
Tgt Ion: 83 Resp: 4884

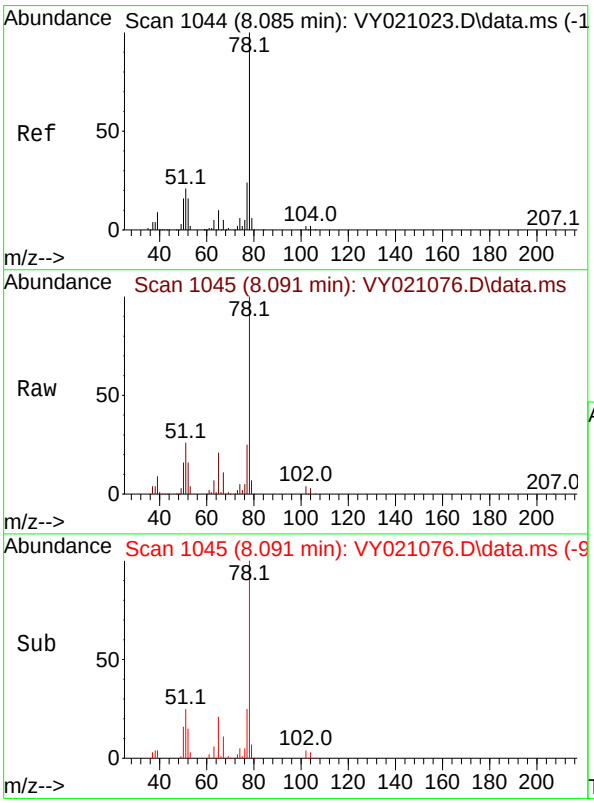
Ion	Ratio	Lower	Upper
83	100		
55	75.1	59.7	89.5
98	48.3	38.0	57.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

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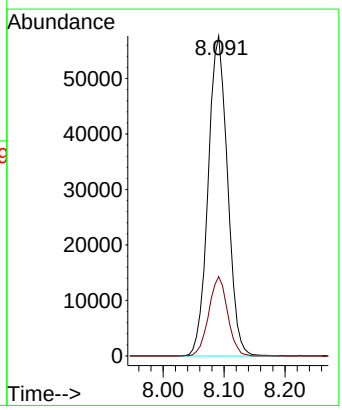


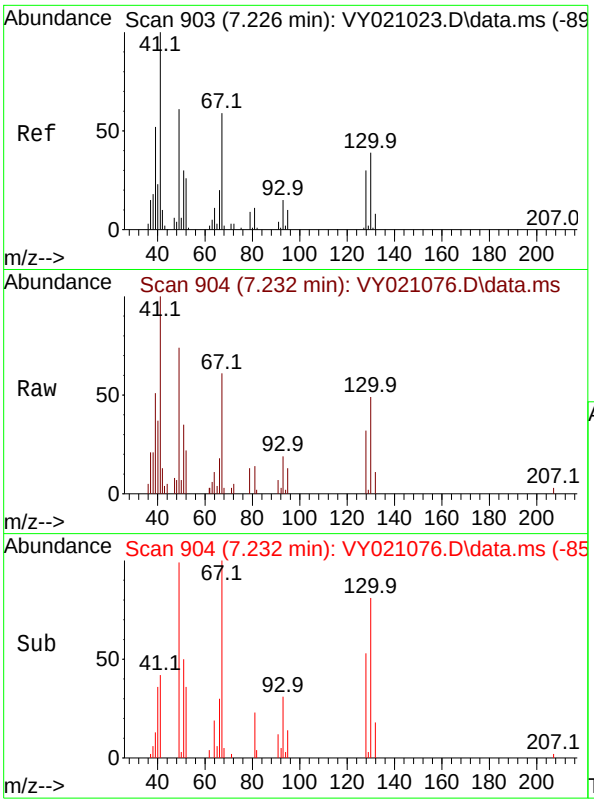


#40
Benzene
Concen: 19.326 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 78 Resp: 127371

Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.8	28.2

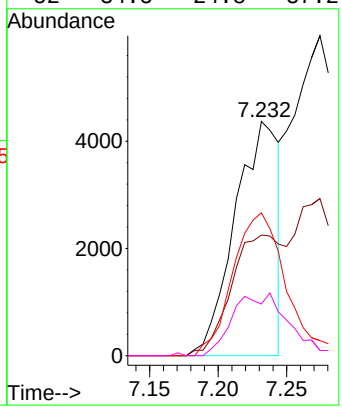




#41
Methacrylonitrile
Concen: 16.964 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 41 Resp: 966

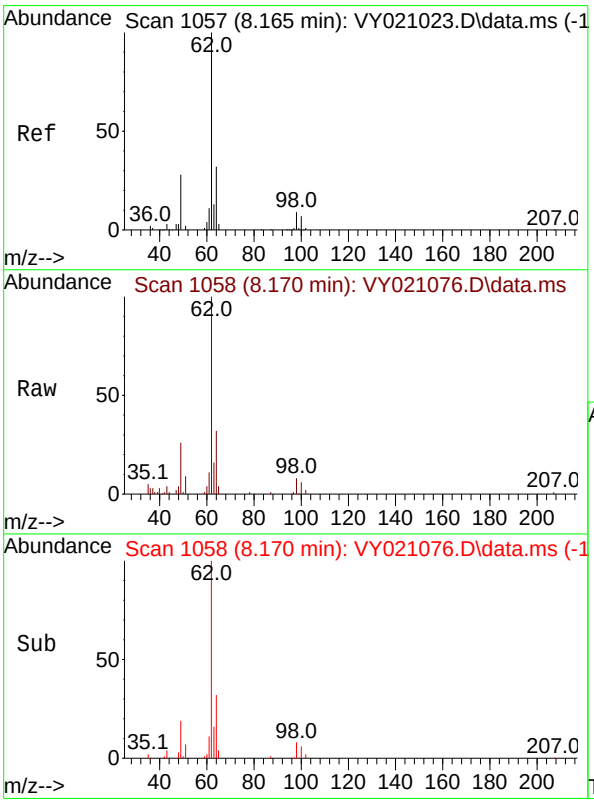
Ion	Ratio	Lower	Upper
41	100		
39	63.4	41.9	62.9#
67	74.5	59.8	89.6
52	34.5	24.8	37.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

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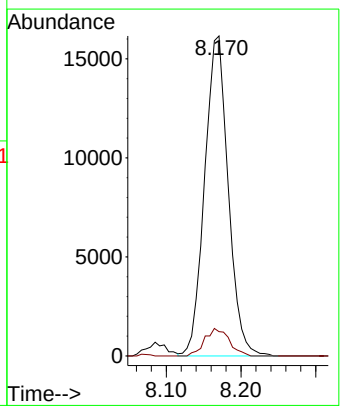
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

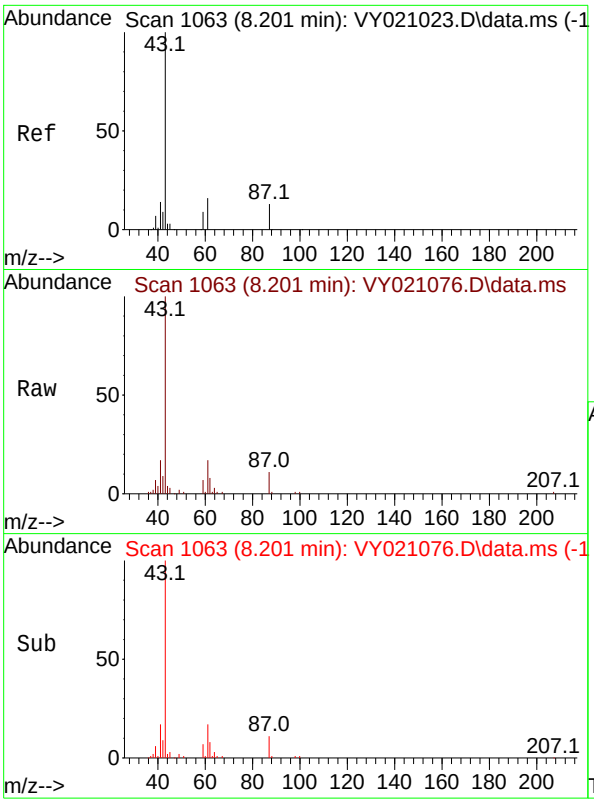


#42
1,2-Dichloroethane
Concen: 19.380 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 62 Resp: 35432

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	20.2

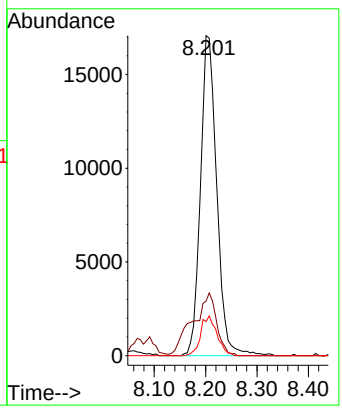




#43
Isopropyl Acetate
Concen: 19.192 ug/l
RT: 8.201 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 43 Resp: 3757(

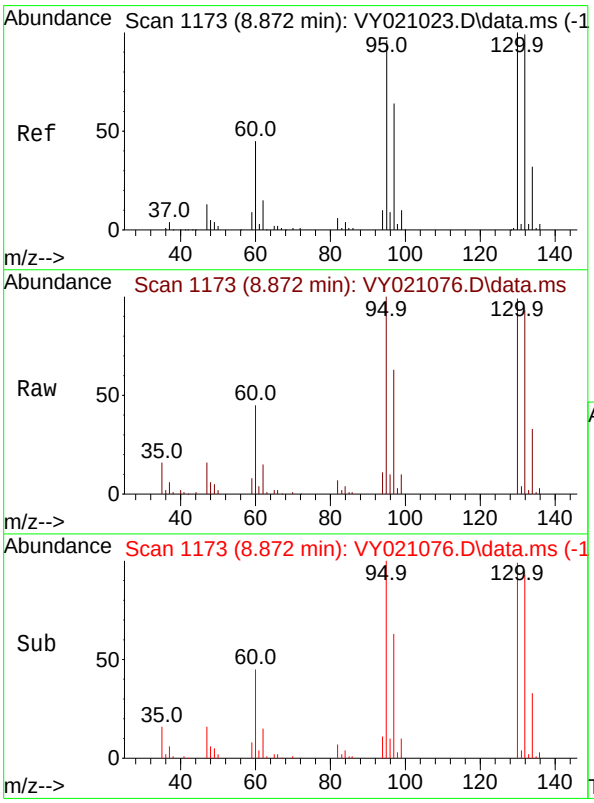
Ion	Ratio	Lower	Upper
43	100		
61	28.8	24.8	37.2
87	12.4	10.7	16.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

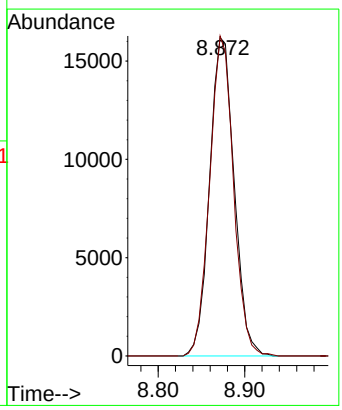
Reviewed By :Romaben Patel 02/06/2025
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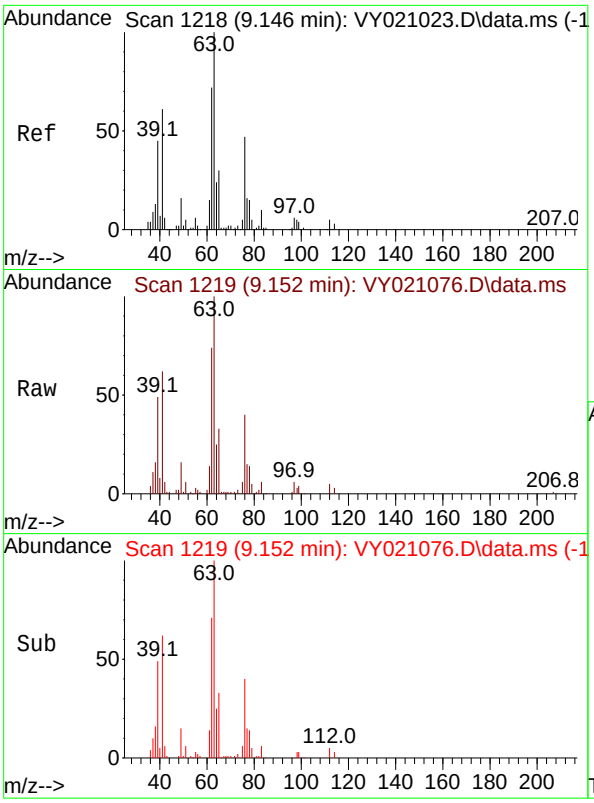


#44
Trichloroethene
Concen: 18.743 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:130 Resp: 31914

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	203.8

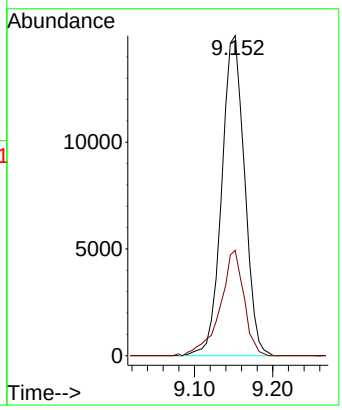




#45
1,2-Dichloropropane
Concen: 19.392 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 63 Resp: 3033

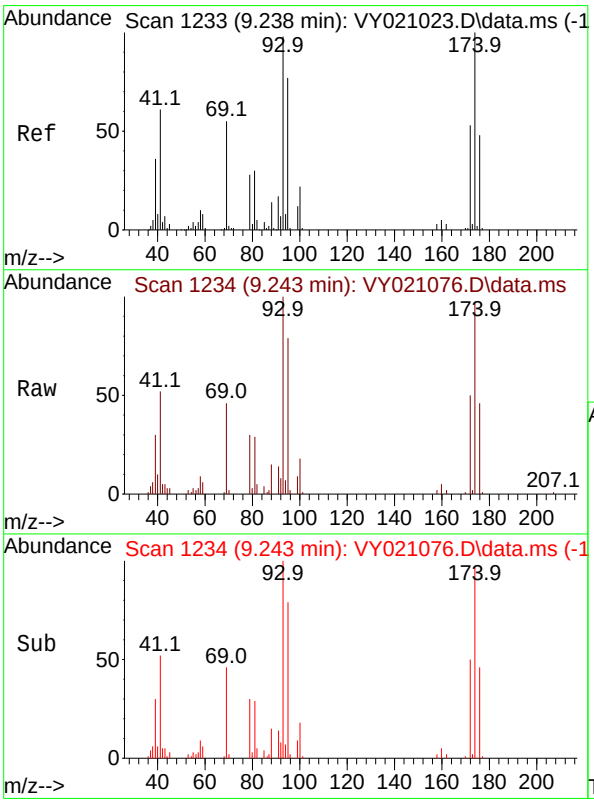
Ion	Ratio	Lower	Upper
63	100		
65	32.9	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

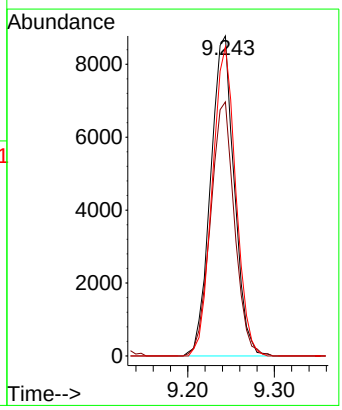
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

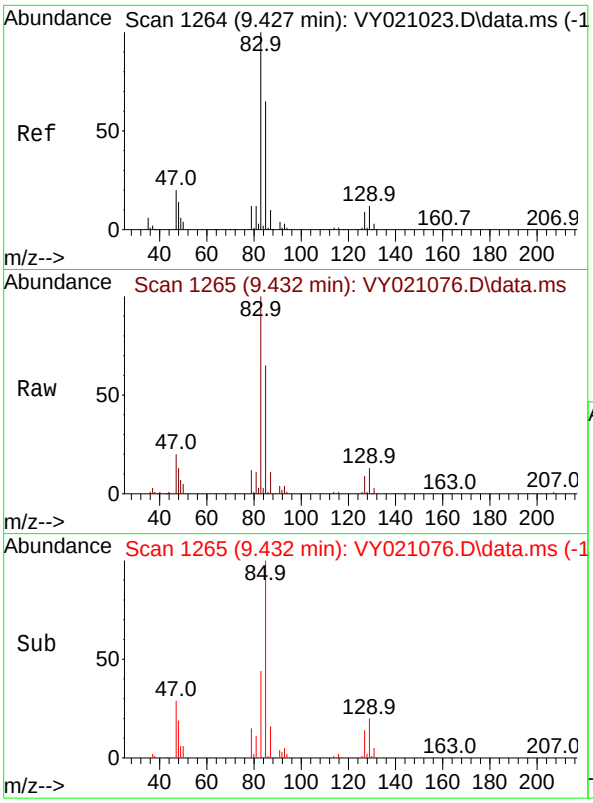


#46
Dibromomethane
Concen: 19.224 ug/l
RT: 9.243 min Scan# 1234
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 93 Resp: 16650

Ion	Ratio	Lower	Upper
93	100		
95	80.3	66.6	99.8
174	96.2	73.8	110.6

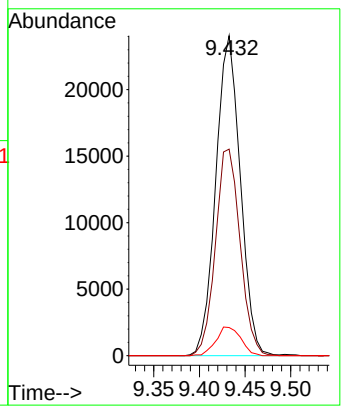




#47
Bromodichloromethane
Concen: 19.341 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 83 Resp: 4492

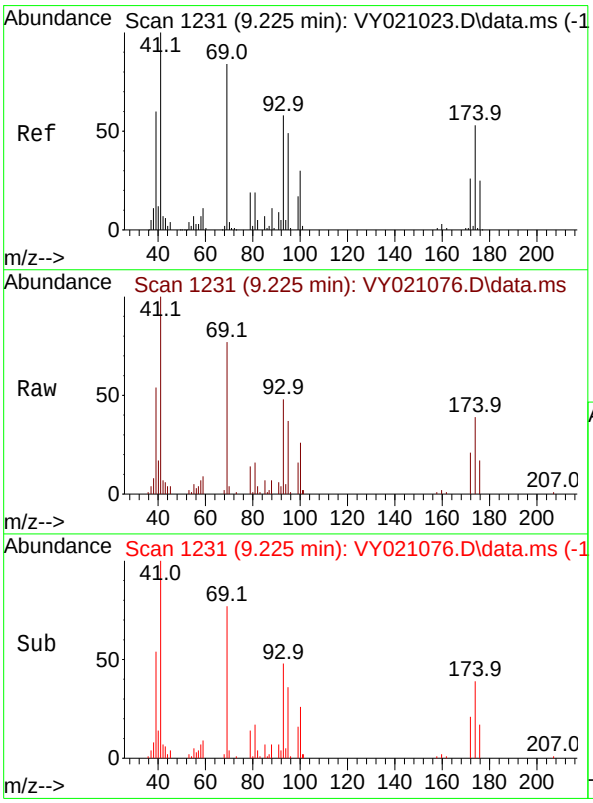
Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.2	79.8
127	8.8	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

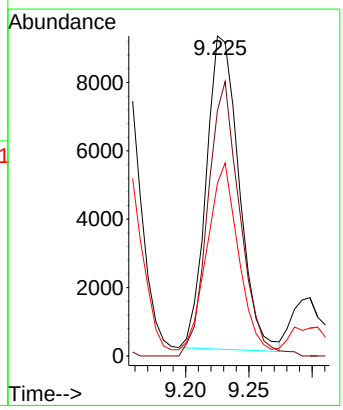
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

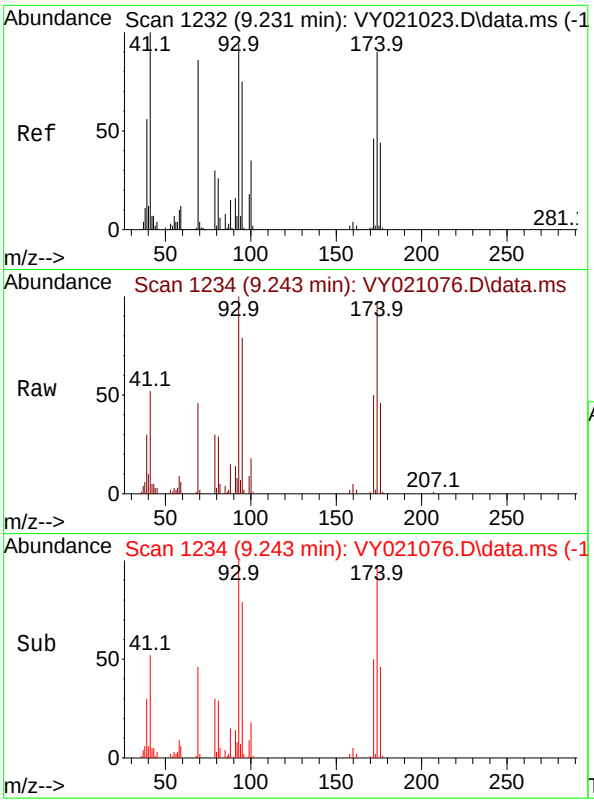


#48
Methyl methacrylate
Concen: 18.540 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 41 Resp: 16532

Ion	Ratio	Lower	Upper
41	100		
69	85.3	72.1	108.1
39	56.8	42.8	64.2





#49
1,4-Dioxane
Concen: 370.220 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

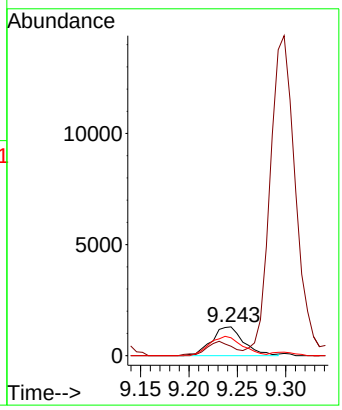
Tgt Ion: 88 Resp: 298

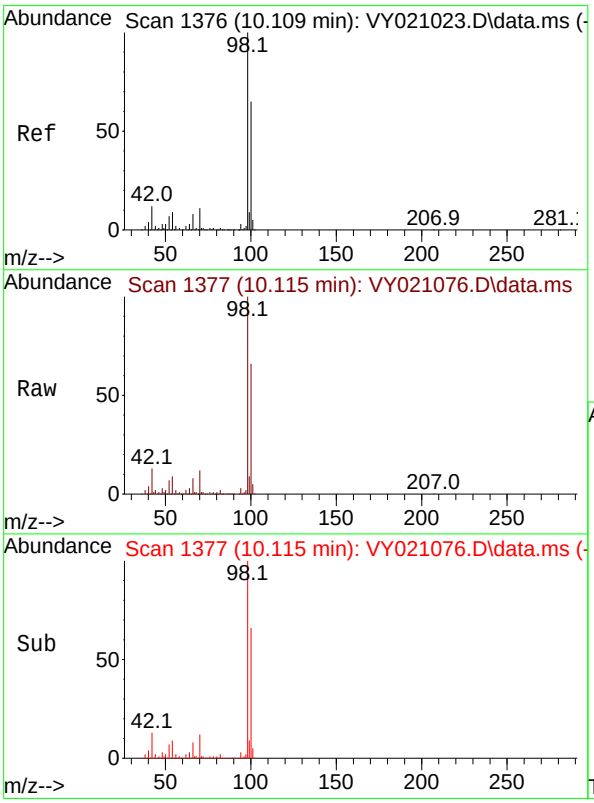
Ion	Ratio	Lower	Upper
88	100		
43	41.5	28.2	42.4
58	68.5	52.2	78.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

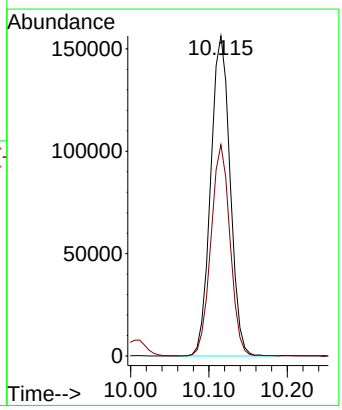


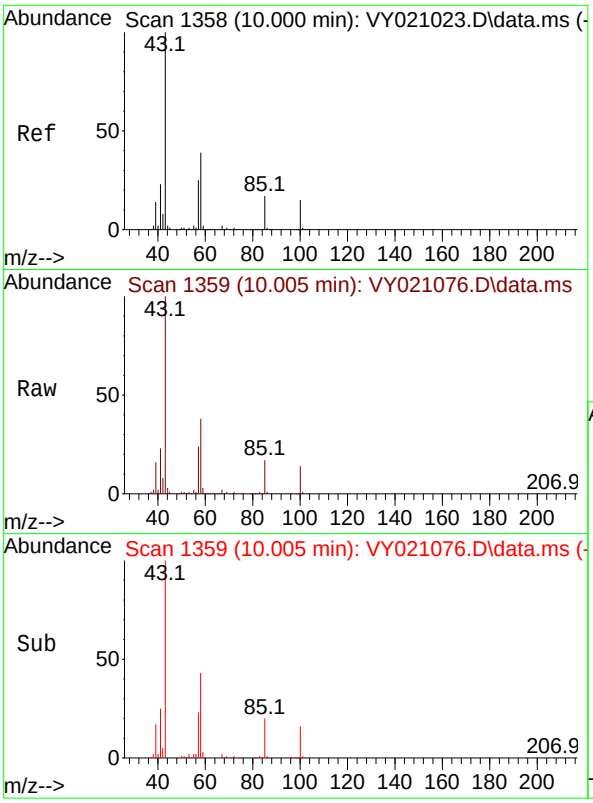


#50
Toluene-d8
Concen: 46.653 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 98 Resp: 269294

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.3	78.5

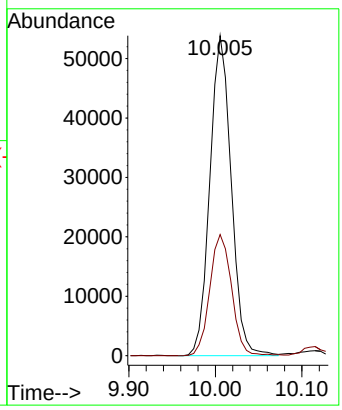




#51
4-Methyl-2-Pentanone
Concen: 93.841 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 43 Resp: 9237

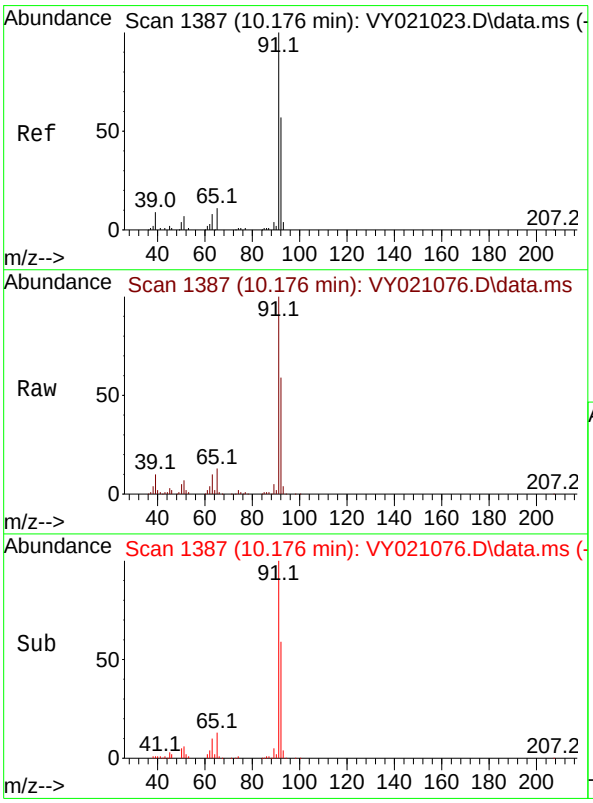
Ion	Ratio	Lower	Upper
43	100		
58	38.7	32.2	48.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

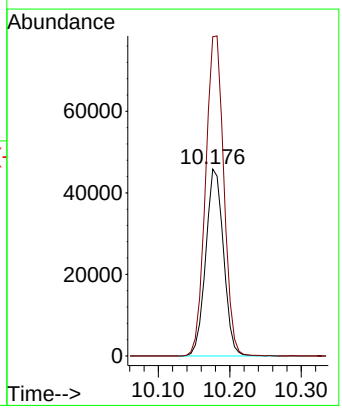
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

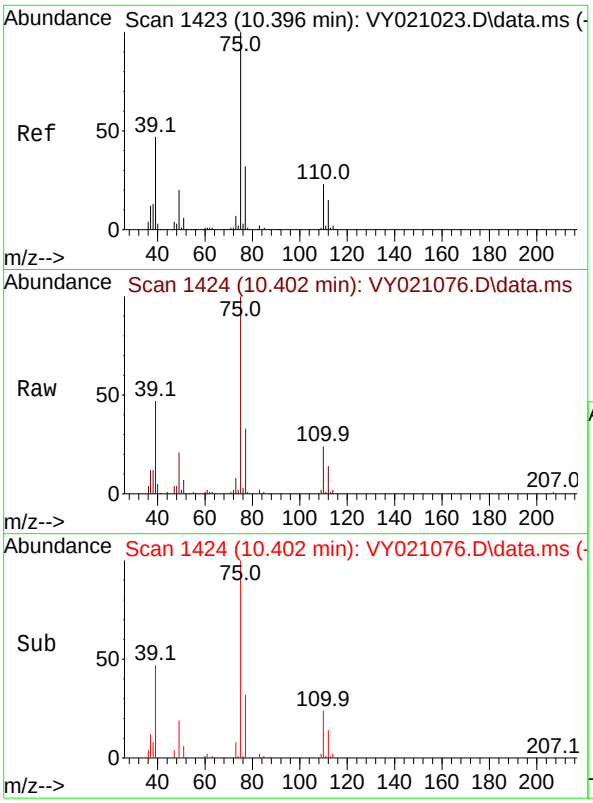


#52
Toluene
Concen: 19.130 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 92 Resp: 79165

Ion	Ratio	Lower	Upper
92	100		
91	175.7	137.6	206.4





#53
t-1,3-Dichloropropene
Concen: 18.832 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

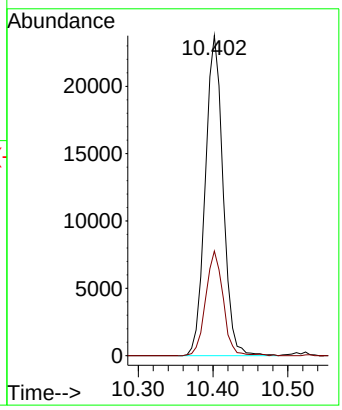
Tgt Ion: 75 Resp: 3927

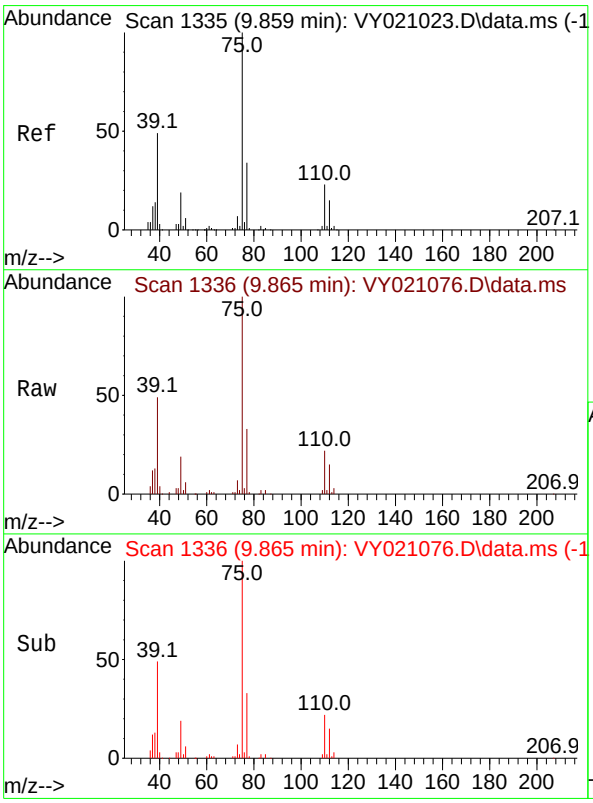
Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

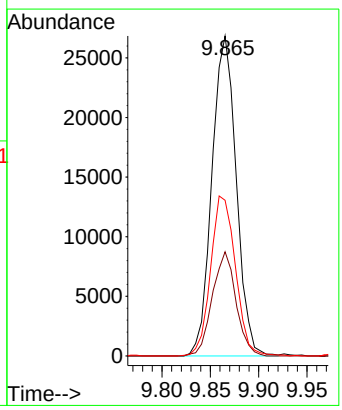


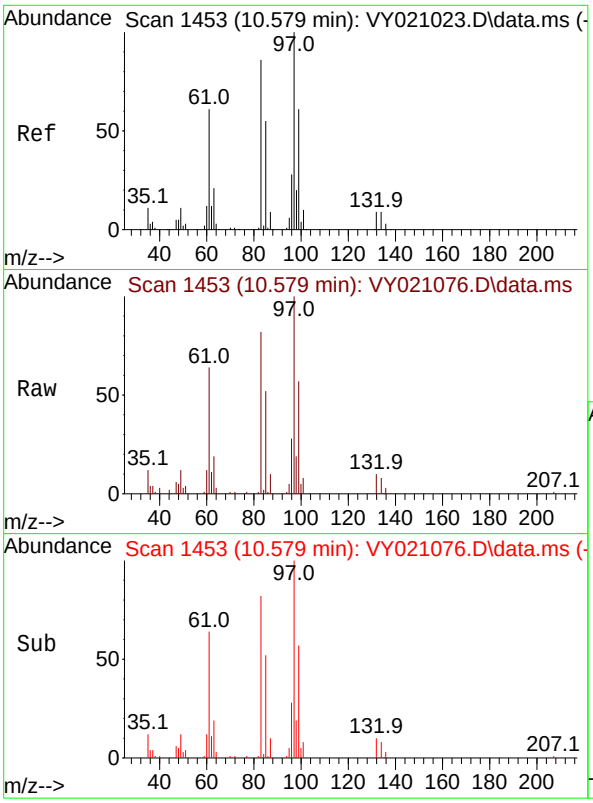


#54
cis-1,3-Dichloropropene
Concen: 19.000 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 75 Resp: 46922

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.6	36.8
39	48.7	33.6	50.4

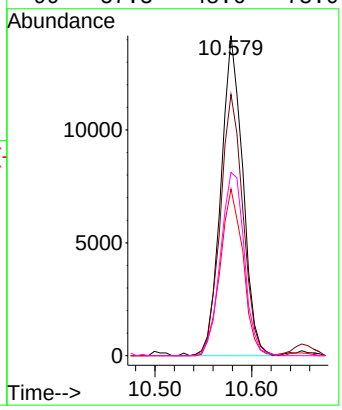




#55
1,1,2-Trichloroethane
Concen: 19.836 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 97 Resp: 2224

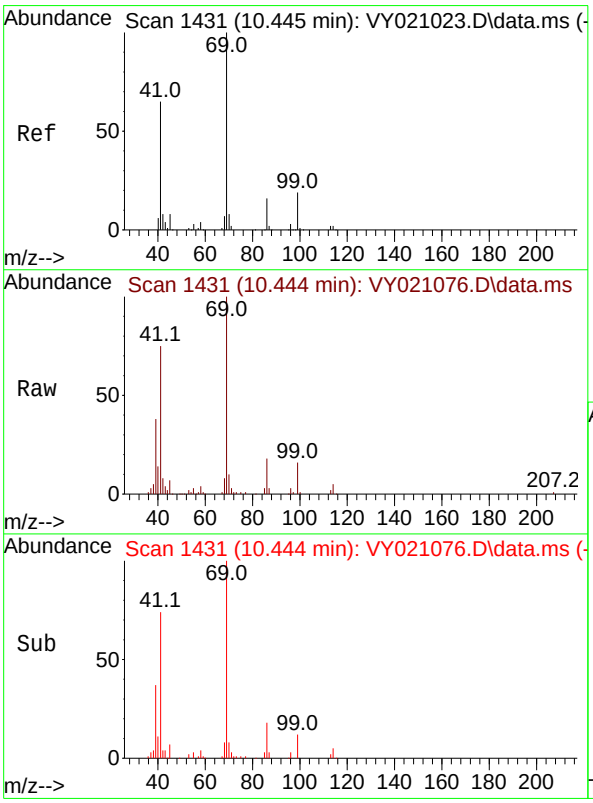
Ion	Ratio	Lower	Upper
97	100		
83	81.7	69.4	104.2
85	52.1	43.9	65.9
99	57.3	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

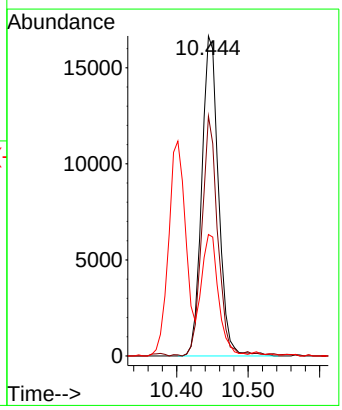
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

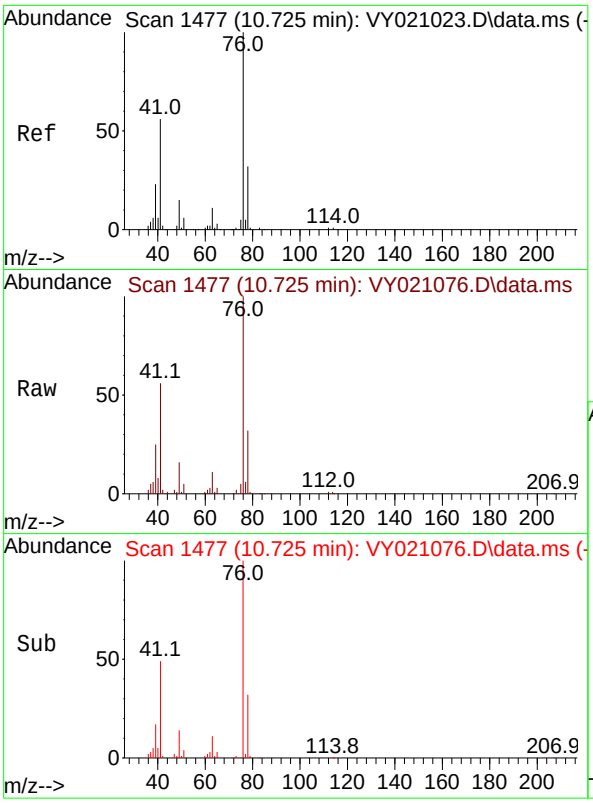


#56
Ethyl methacrylate
Concen: 18.050 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 69 Resp: 27082

Ion	Ratio	Lower	Upper
69	100		
41	70.6	49.2	73.8
39	37.2	26.8	40.2

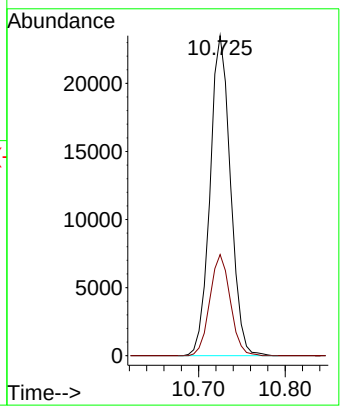




#57
1,3-Dichloropropane
Concen: 19.836 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 76 Resp: 3850

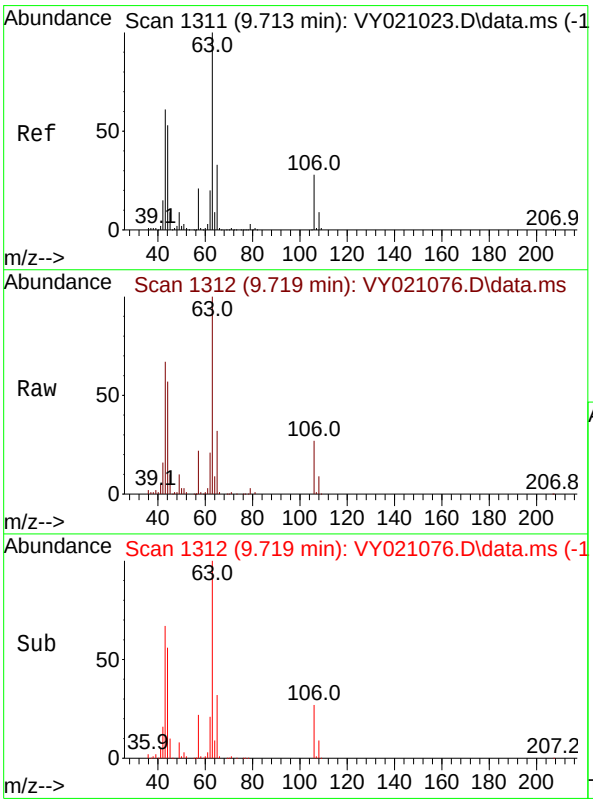
Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

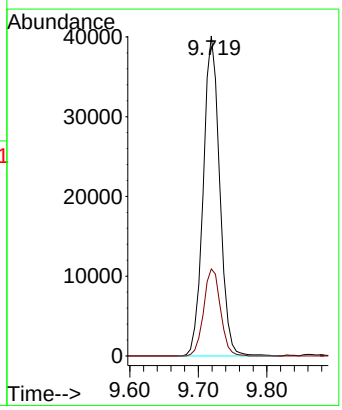
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

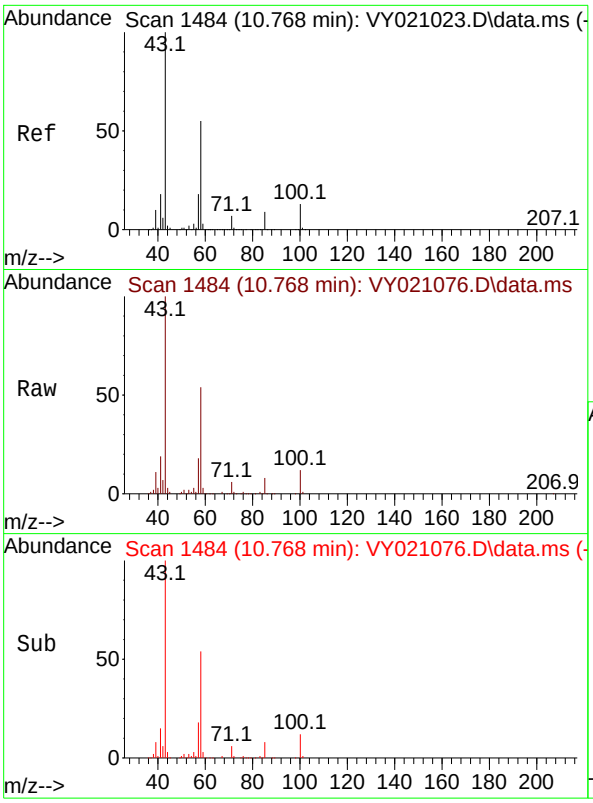


#58
2-Chloroethyl Vinyl ether
Concen: 93.908 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 63 Resp: 67032

Ion	Ratio	Lower	Upper
63	100		
106	27.7	22.4	33.6





#59
2-Hexanone
Concen: 94.415 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

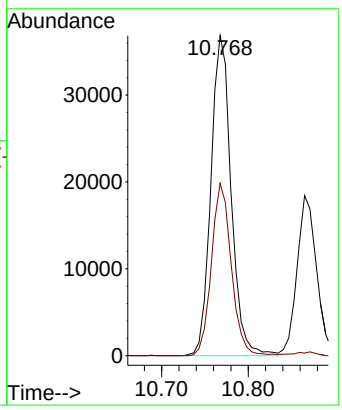
Tgt Ion: 43 Resp: 5984

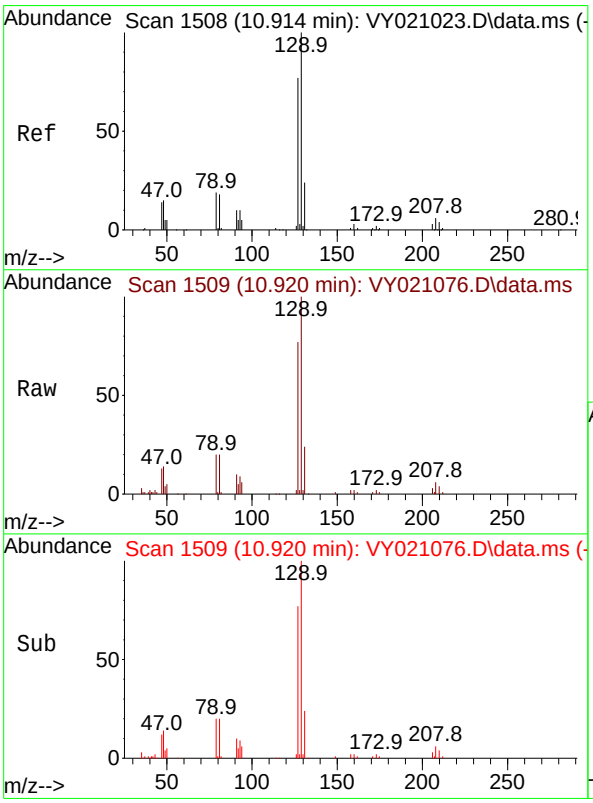
Ion	Ratio	Lower	Upper
43	100		
58	52.8	28.1	84.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

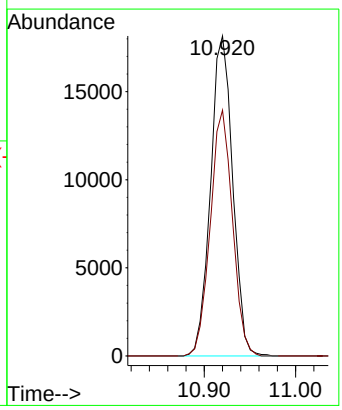


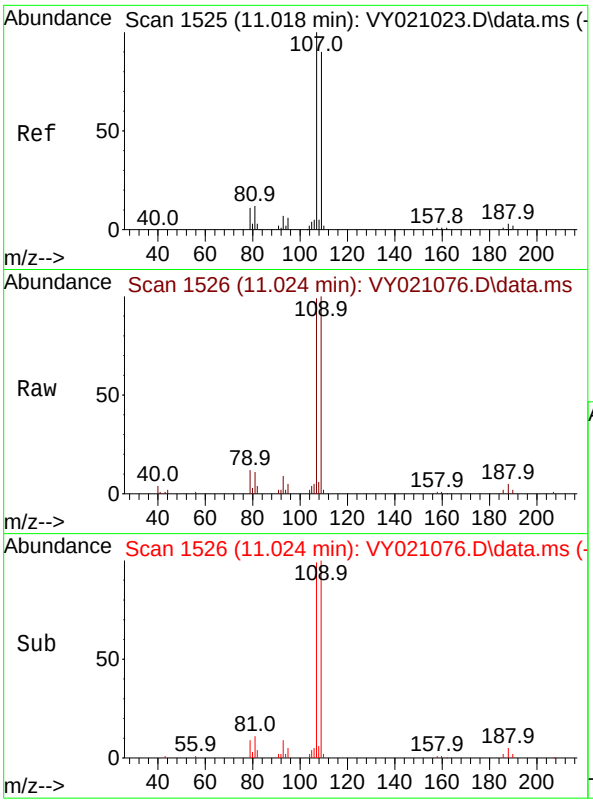


#60
Dibromochloromethane
Concen: 19.377 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:129 Resp: 30519

Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.2	117.6

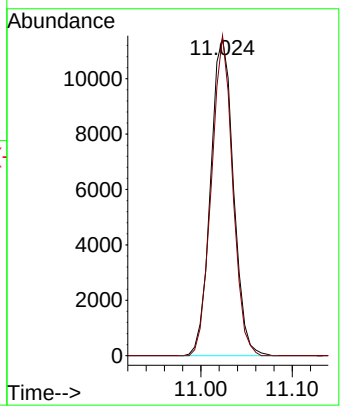




#61
1,2-Dibromoethane
Concen: 18.909 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:107 Resp: 1986

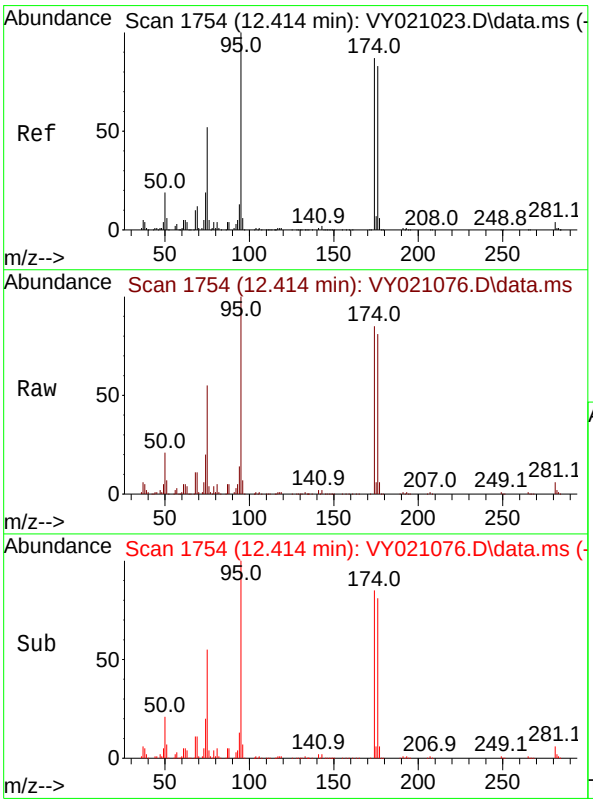
Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

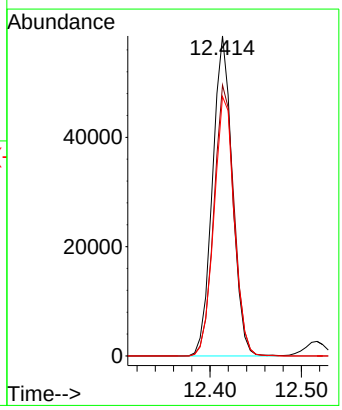
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

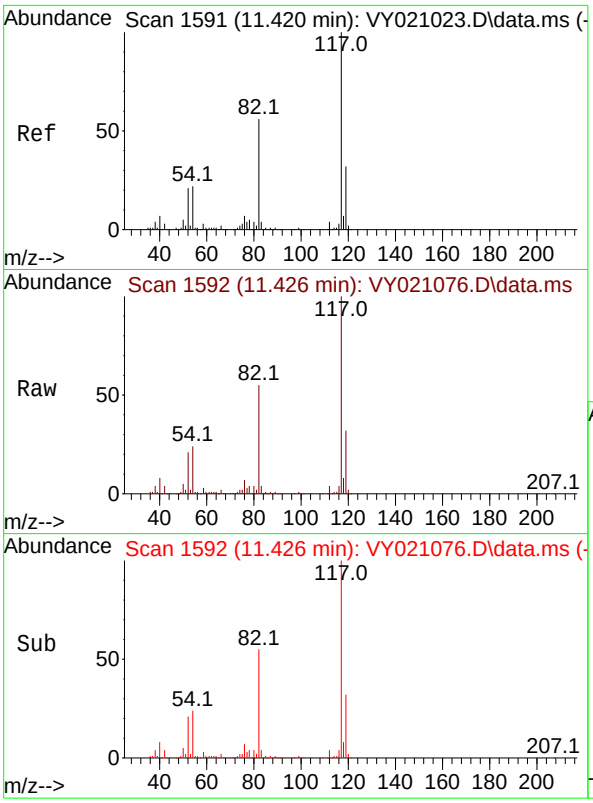


#62
4-Bromofluorobenzene
Concen: 46.709 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 95 Resp: 88083

Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	160.0
176	82.9	0.0	151.8

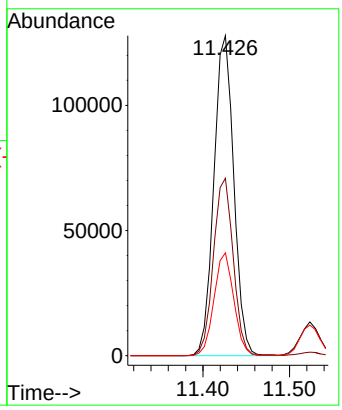




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:117 Resp: 20435

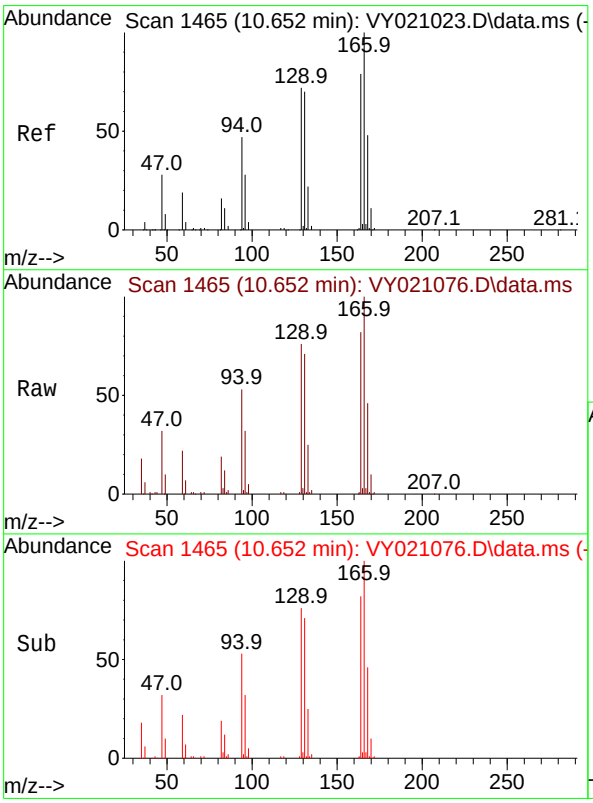
Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.8	65.8
119	32.2	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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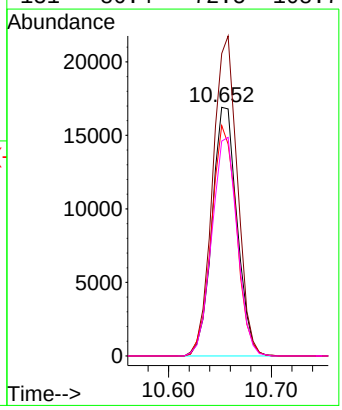
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

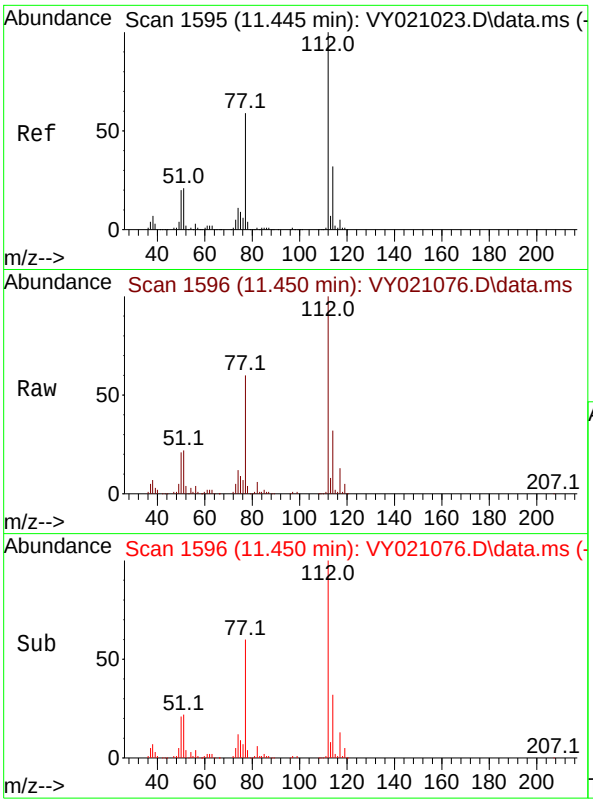


#64
Tetrachloroethene
Concen: 18.777 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:164 Resp: 28485

Ion	Ratio	Lower	Upper
164	100		
166	121.6	98.8	148.2
129	92.7	78.9	118.3
131	86.4	72.5	108.7

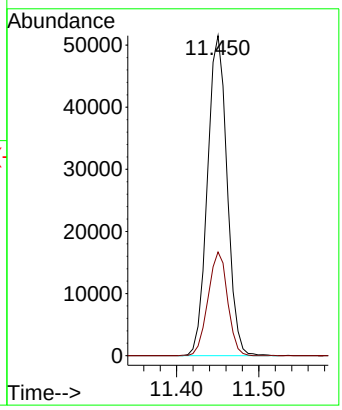




#65
Chlorobenzene
Concen: 18.777 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:112 Resp: 8544

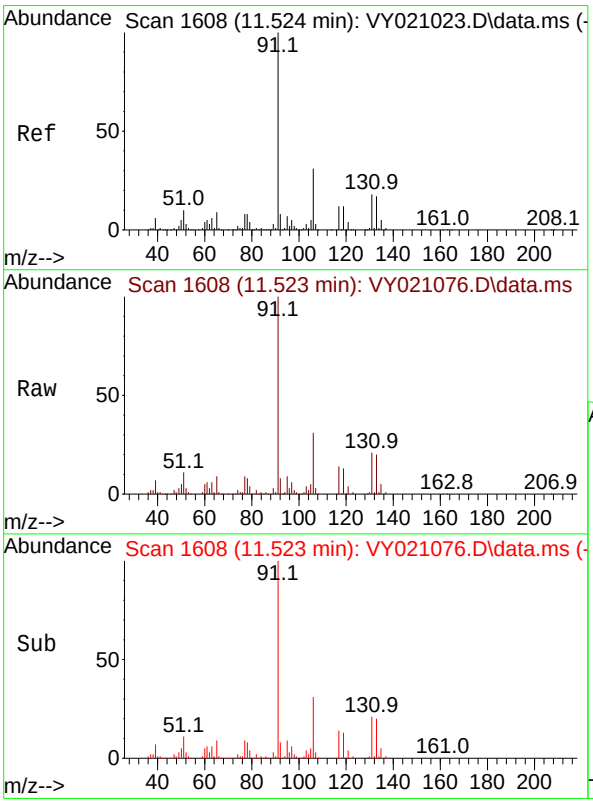
Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

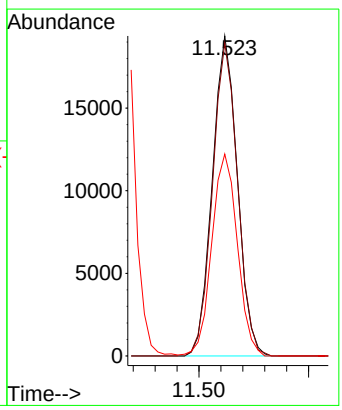
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

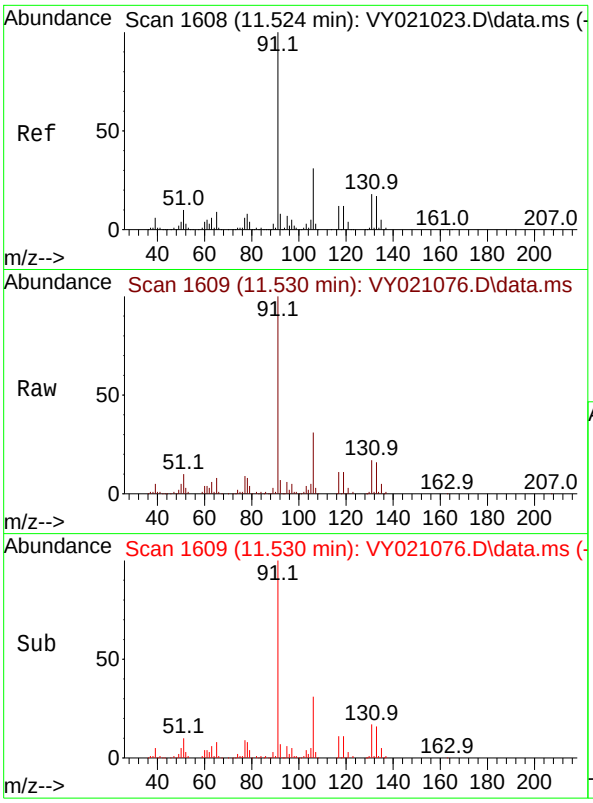


#66
1,1,1,2-Tetrachloroethane
Concen: 19.005 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:131 Resp: 30732

Ion	Ratio	Lower	Upper
131	100		
133	97.8	47.0	141.0
119	64.5	33.3	99.9

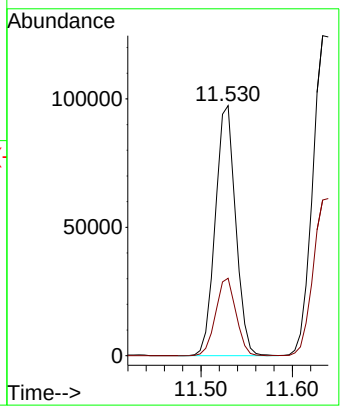




#67
Ethyl Benzene
Concen: 18.728 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 91 Resp: 15072

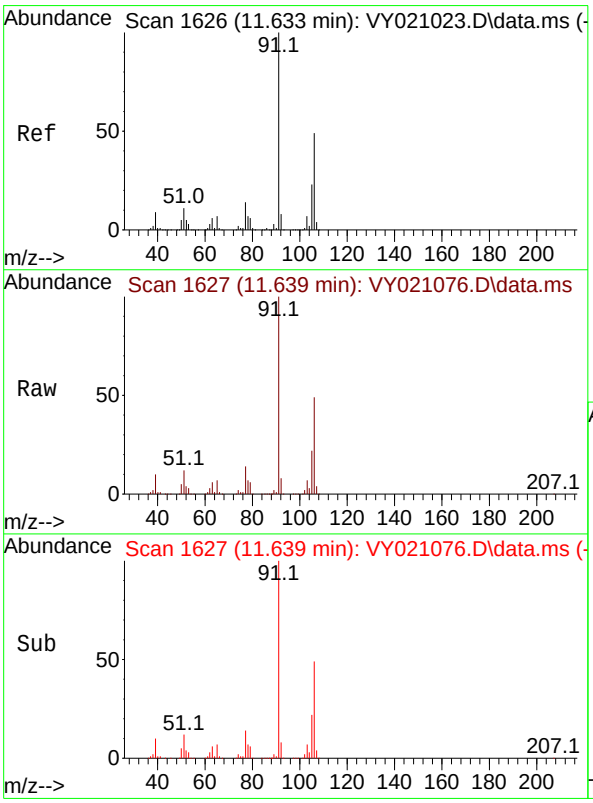
Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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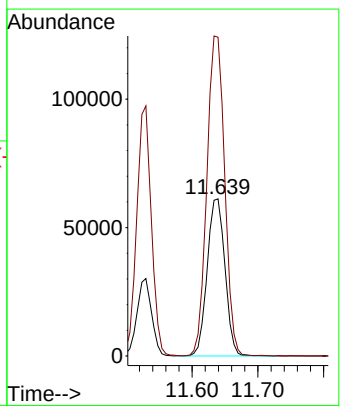
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

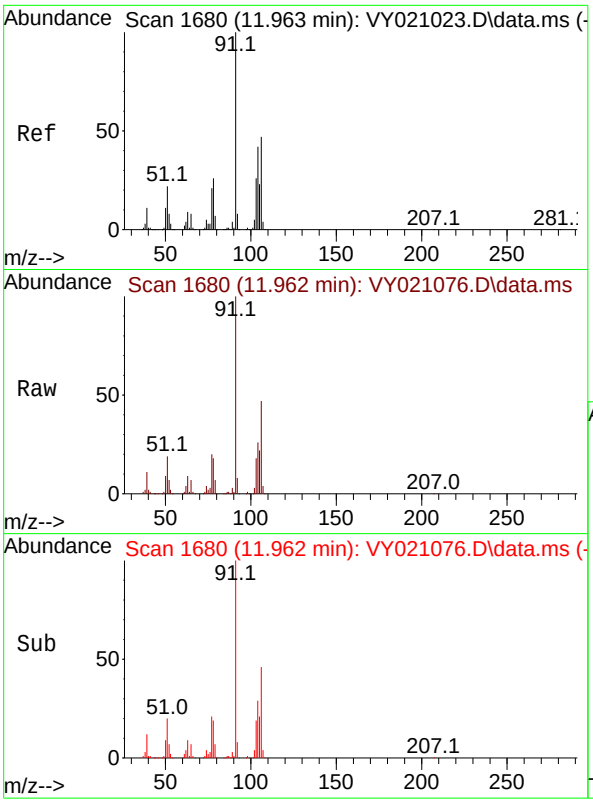


#68
m/p-Xylenes
Concen: 38.134 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:106 Resp: 114815

Ion	Ratio	Lower	Upper
106	100		
91	204.8	160.7	241.1





#69
o-Xylene
Concen: 18.775 ug/l
RT: 11.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

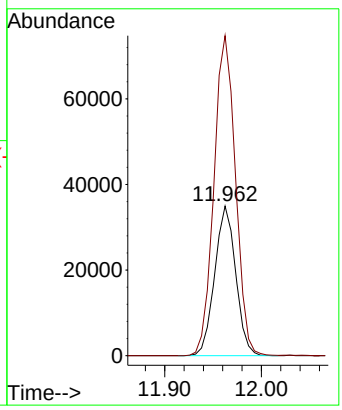
Tgt Ion:106 Resp: 5270

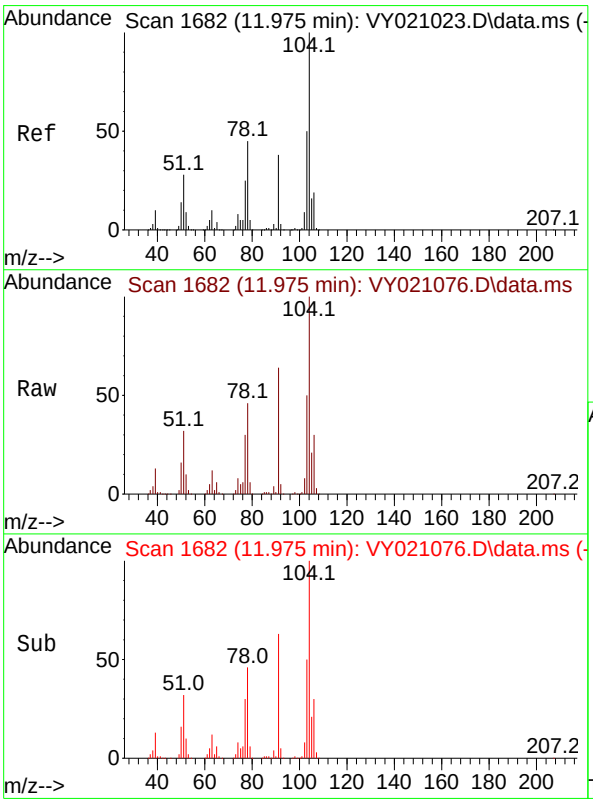
Ion	Ratio	Lower	Upper
106	100		
91	219.2	106.5	319.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

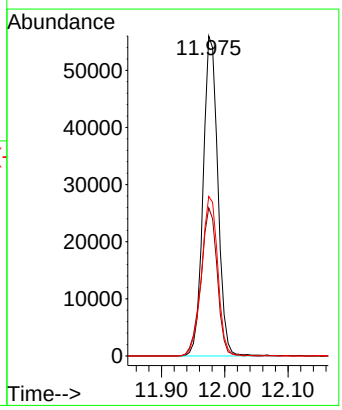


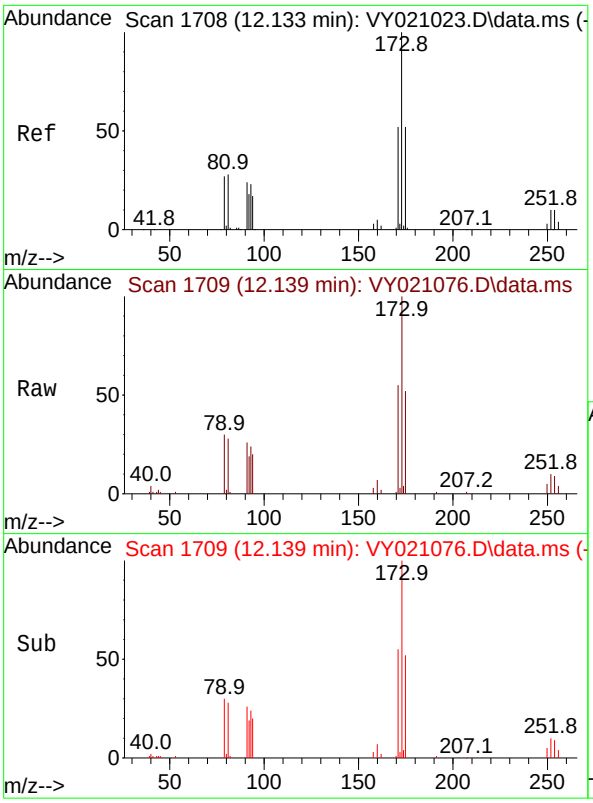


#70
Styrene
Concen: 19.417 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:104 Resp: 90846

Ion	Ratio	Lower	Upper
104	100		
78	50.9	39.2	58.8
103	54.6	43.8	65.6

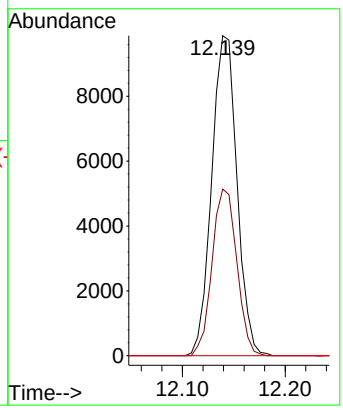




#71
Bromoform
Concen: 18.722 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:173 Resp: 1685

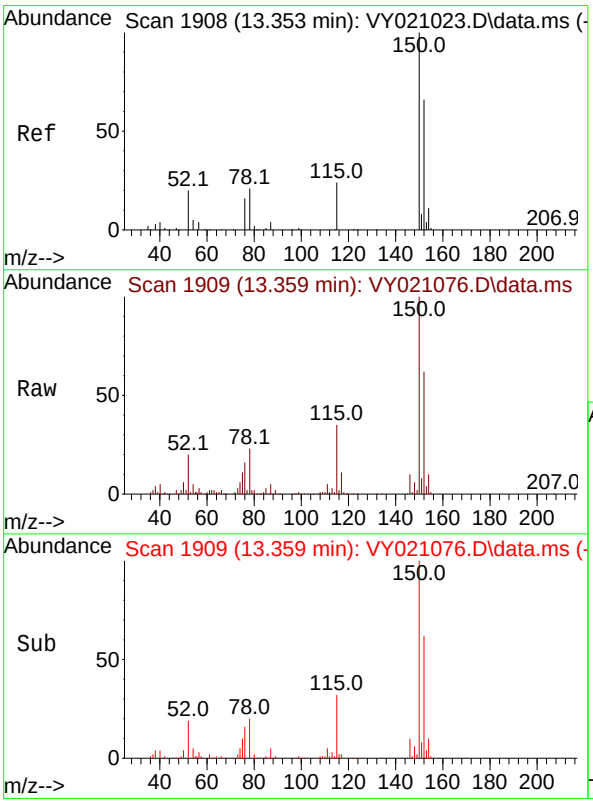
Ion	Ratio	Lower	Upper
173	100		
175	51.0	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

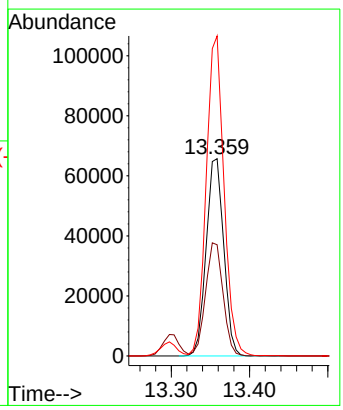
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

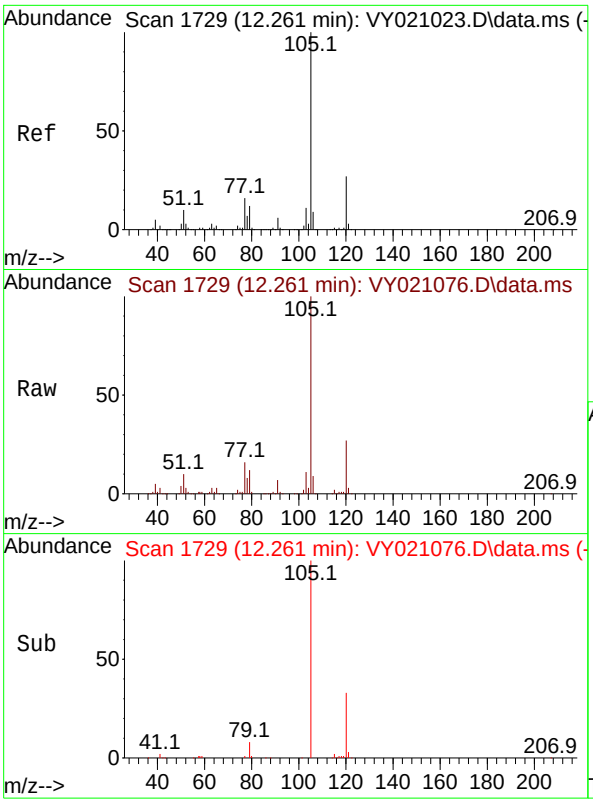


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:152 Resp: 102238

Ion	Ratio	Lower	Upper
152	100		
115	57.3	30.0	90.0
150	163.4	0.0	344.6

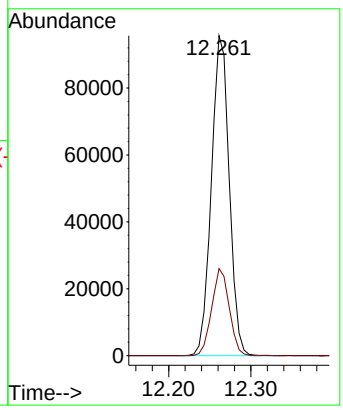




#73
Isopropylbenzene
Concen: 18.034 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:105 Resp: 14402

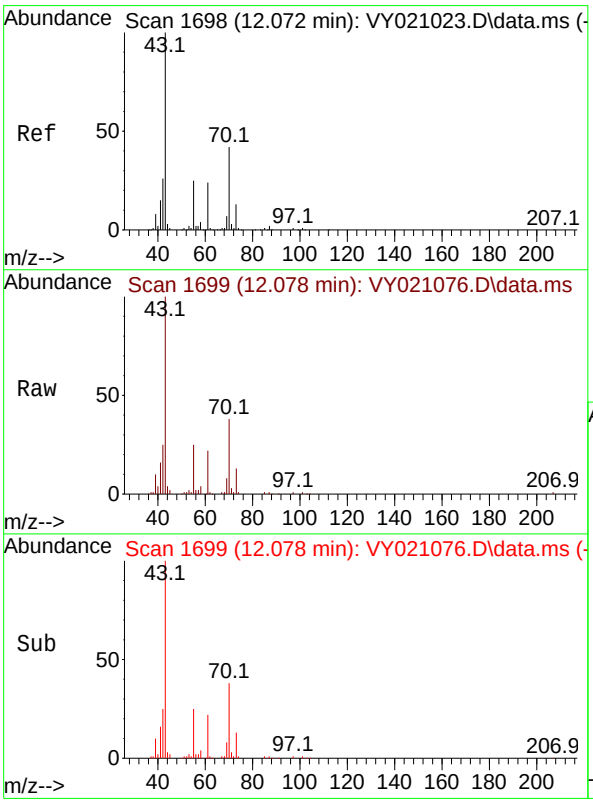
Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

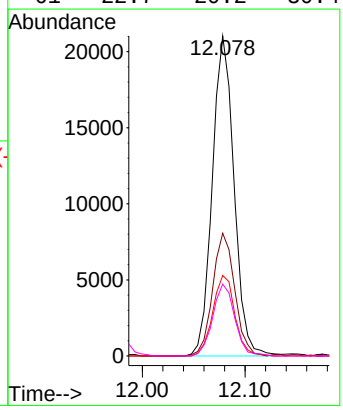
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

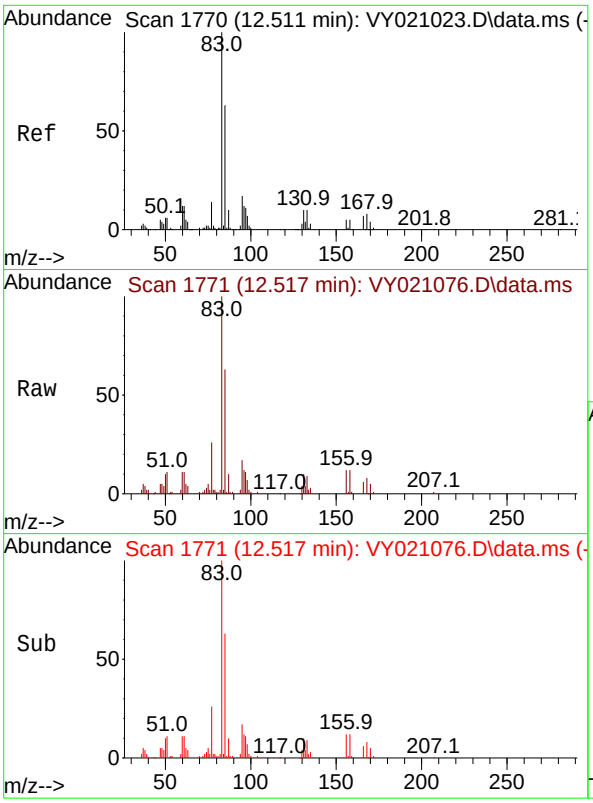


#74
N-amyl acetate
Concen: 17.716 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 43 Resp: 30932

Ion	Ratio	Lower	Upper
43	100		
70	38.8	36.6	55.0
55	25.6	22.2	33.4
61	22.7	20.2	30.4

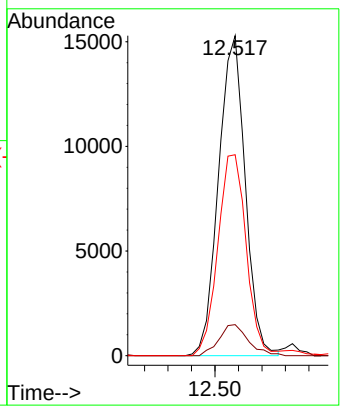




#75
1,1,2,2-Tetrachloroethane
Concen: 18.134 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 83 Resp: 2408

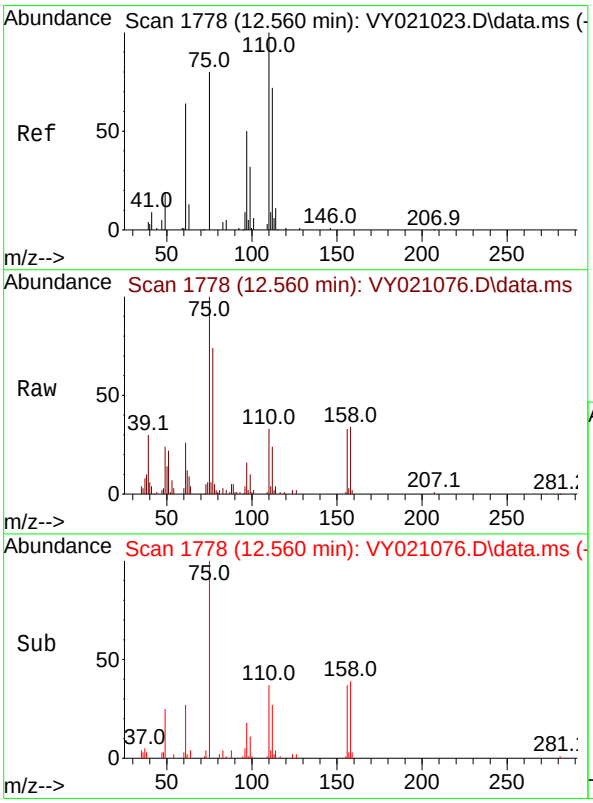
Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.6
85	66.7	32.6	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

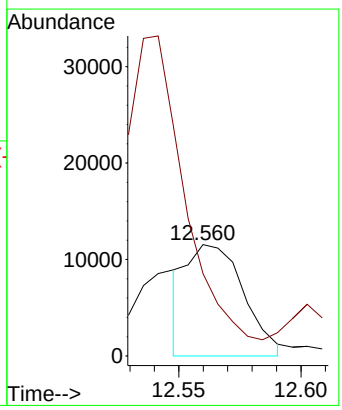
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

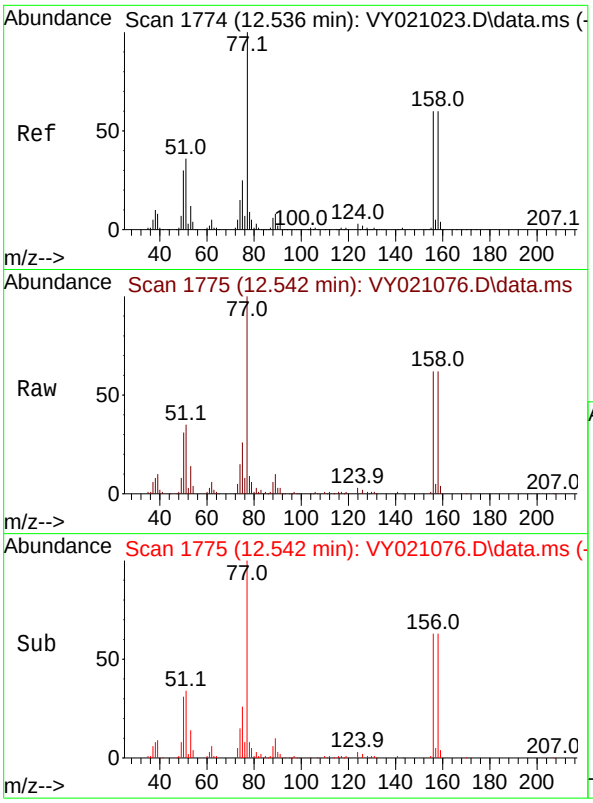


#76
1,2,3-Trichloropropane
Concen: 20.239 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 75 Resp: 18770

Ion	Ratio	Lower	Upper
75	100		
77	322.7	0.0	0.0#

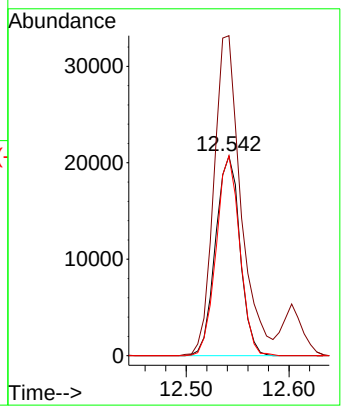




#77
Bromobenzene
Concen: 18.549 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:156 Resp: 3418

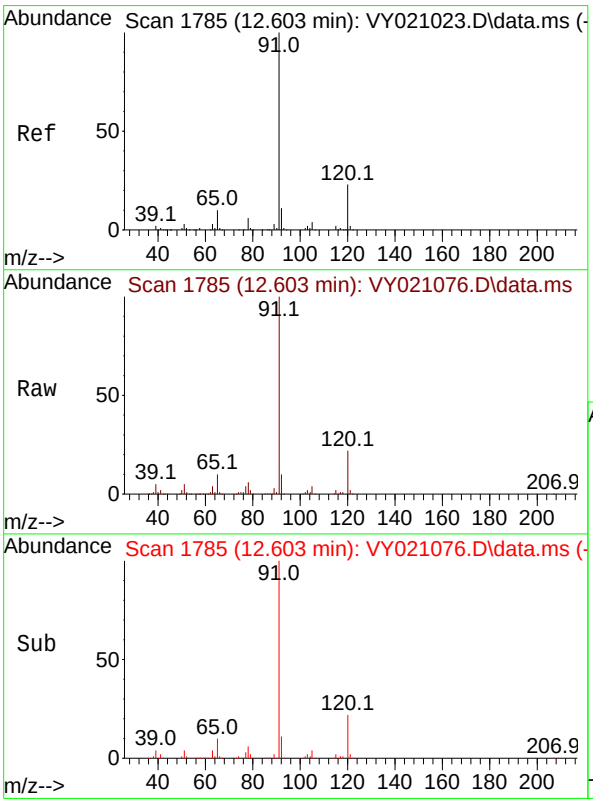
Ion	Ratio	Lower	Upper
156	100		
77	177.2	97.3	291.8
158	96.3	48.4	145.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

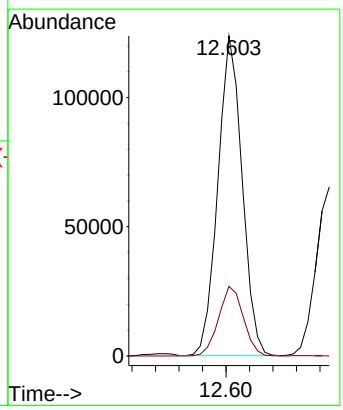
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

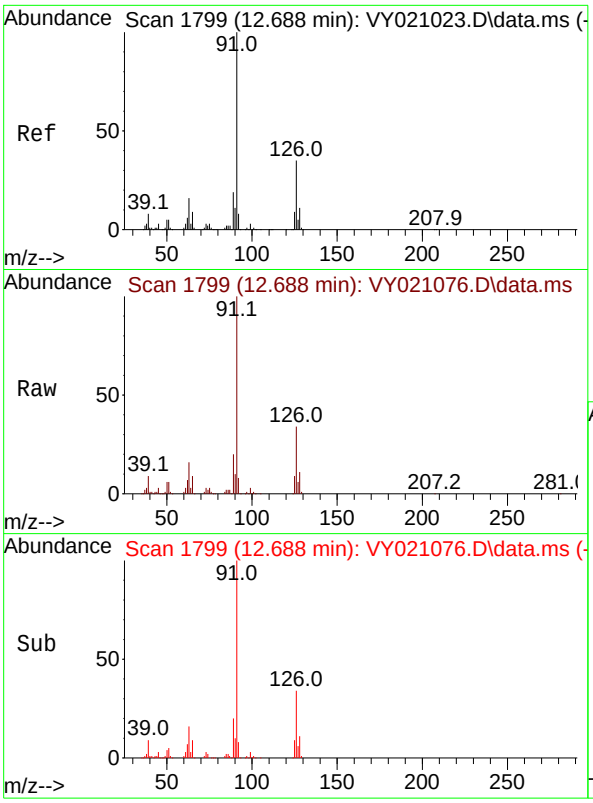


#78
n-propylbenzene
Concen: 18.622 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 91 Resp: 177156

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0

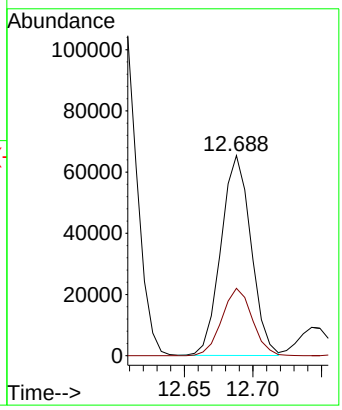




#79
2-Chlorotoluene
Concen: 18.269 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 91 Resp: 9954

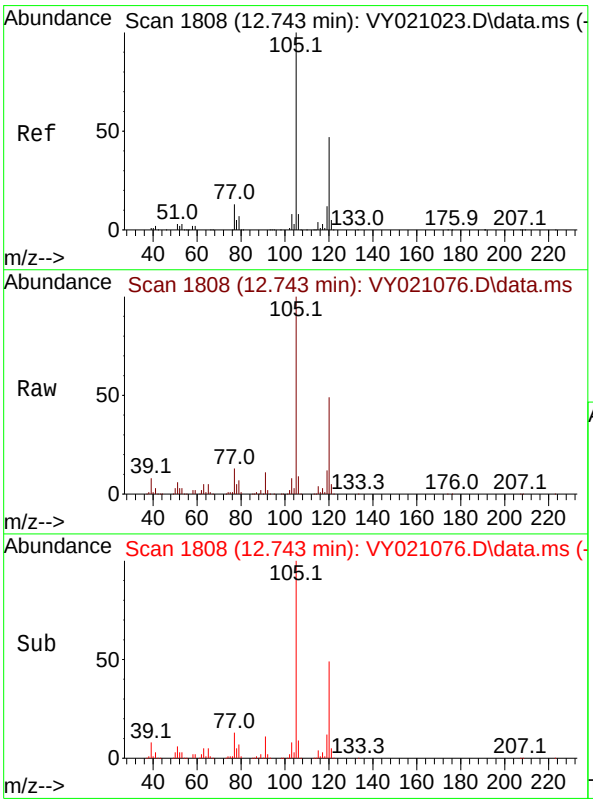
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

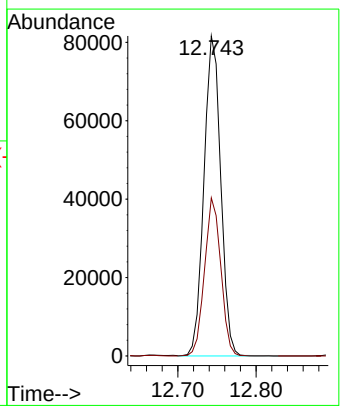
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

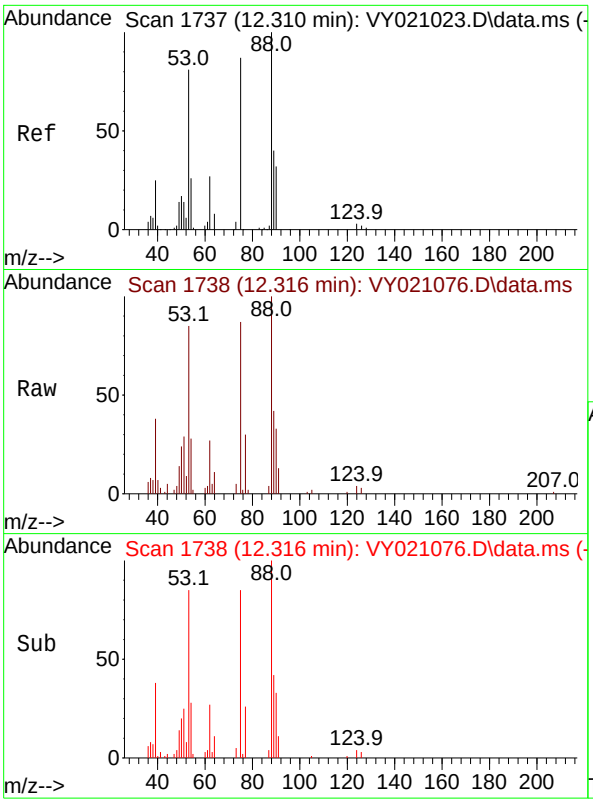


#80
1,3,5-Trimethylbenzene
Concen: 18.745 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:105 Resp: 121377

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 17.383 ug/l
RT: 12.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

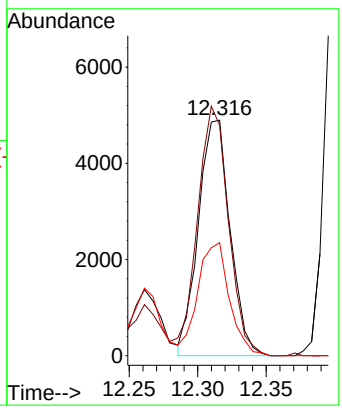
Tgt Ion: 75 Resp: 790

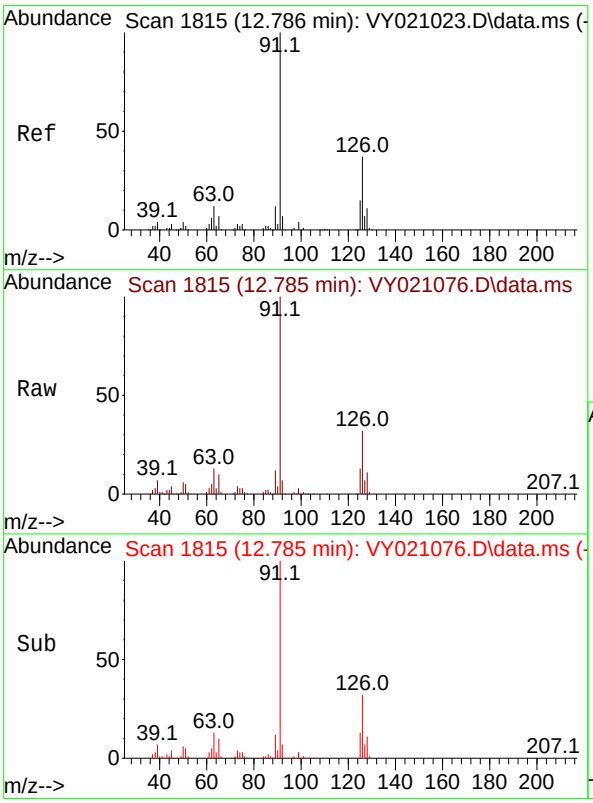
Ion	Ratio	Lower	Upper
75	100		
53	103.6	74.0	111.0
89	47.8	36.5	54.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

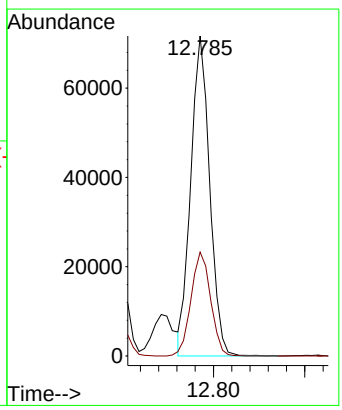


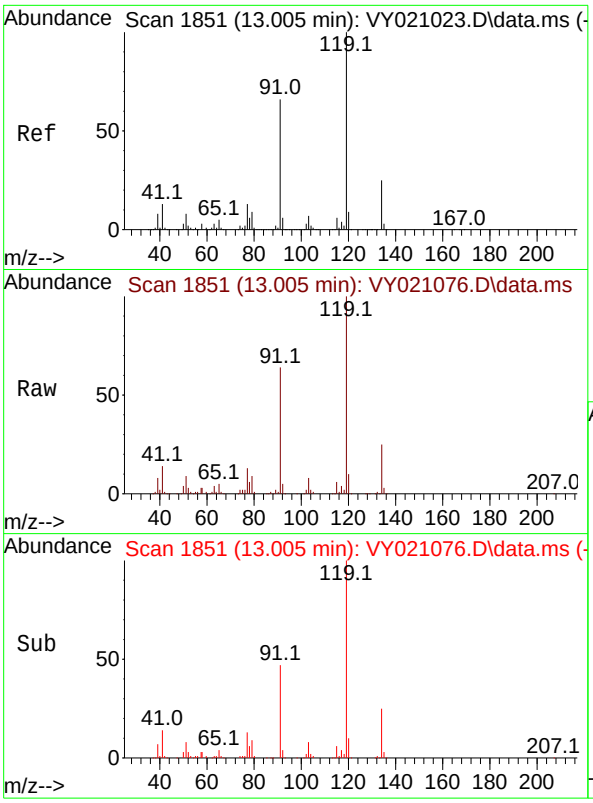


#82
4-Chlorotoluene
Concen: 18.589 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 91 Resp: 103198

Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.1	51.2

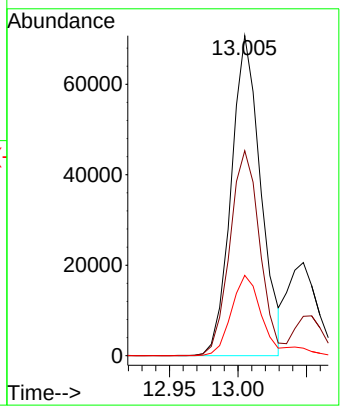




#83
tert-Butylbenzene
Concen: 18.023 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:119 Resp: 10607

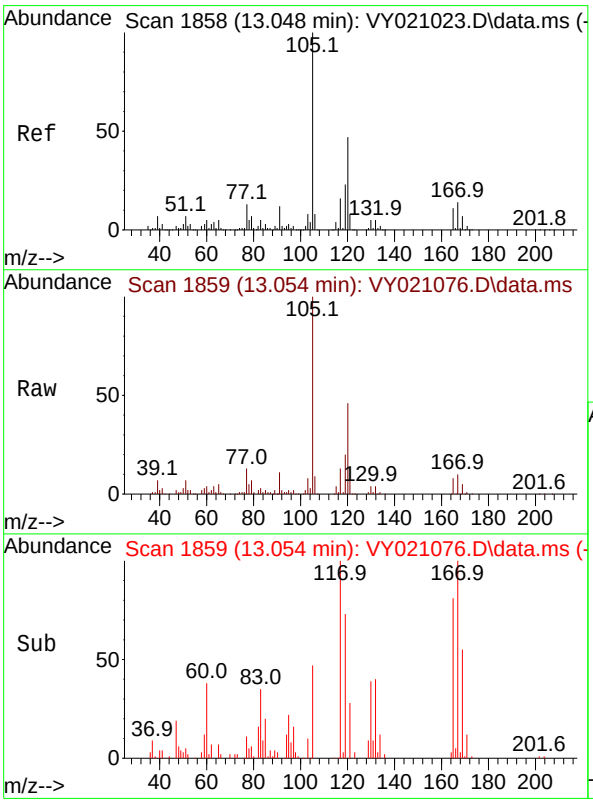
Ion	Ratio	Lower	Upper
119	100		
91	65.7	31.5	94.5
134	27.2	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

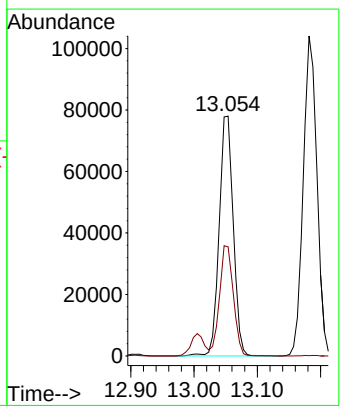
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

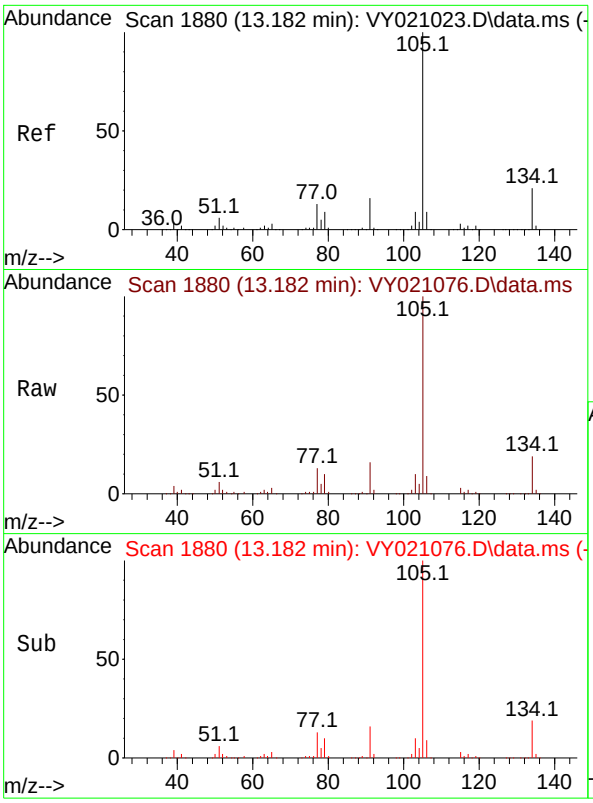


#84
1,2,4-Trimethylbenzene
Concen: 18.973 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:105 Resp: 120120

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.1	66.3





#85
sec-Butylbenzene
Concen: 18.374 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

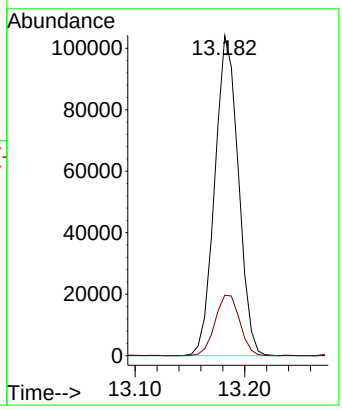
Tgt Ion:105 Resp: 15566

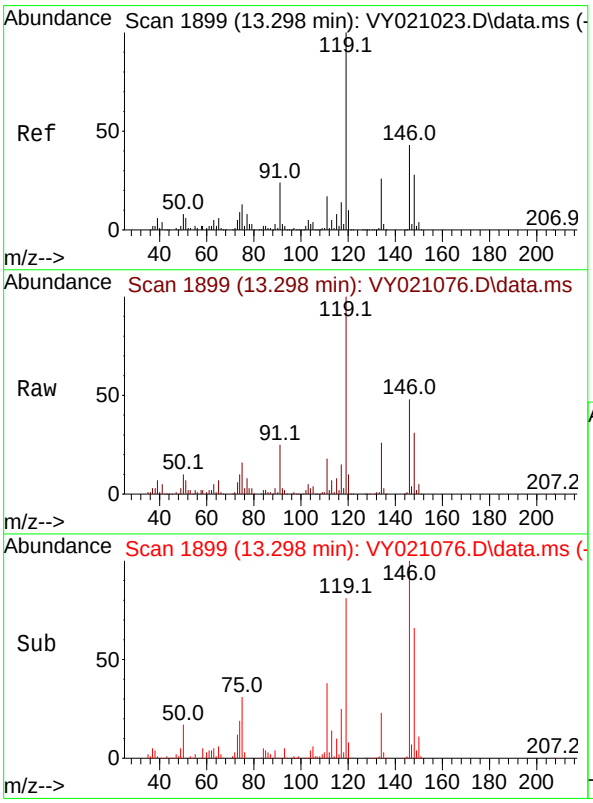
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	28.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

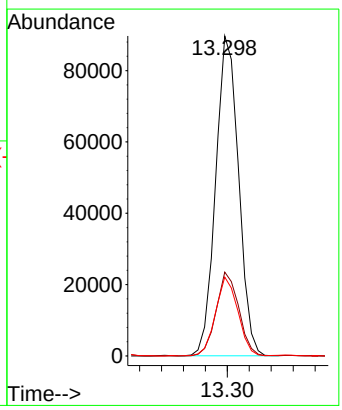


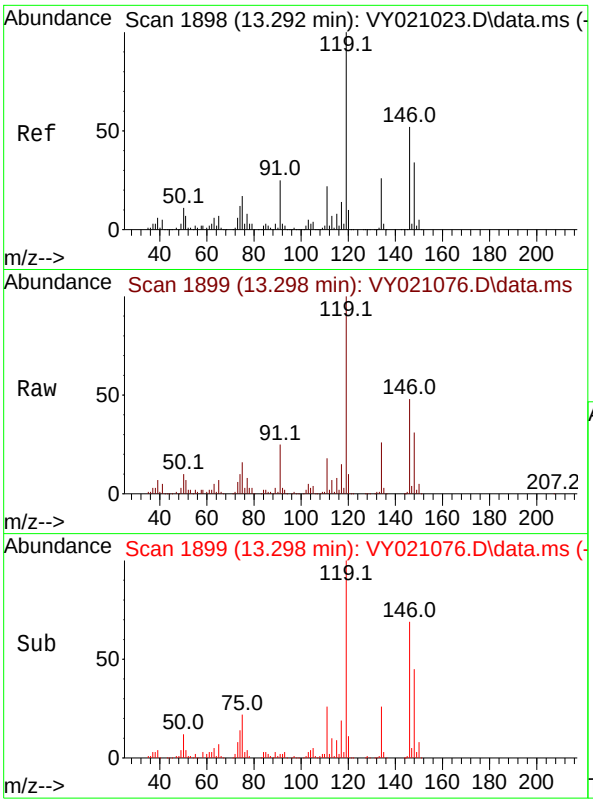


#86
p-Isopropyltoluene
Concen: 18.499 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:119 Resp: 130183

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.1
91	24.3	11.7	35.0

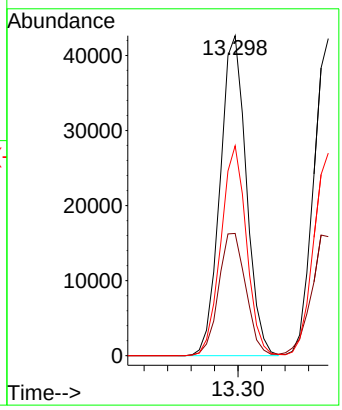




#87
1,3-Dichlorobenzene
Concen: 18.594 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:146 Resp: 6616

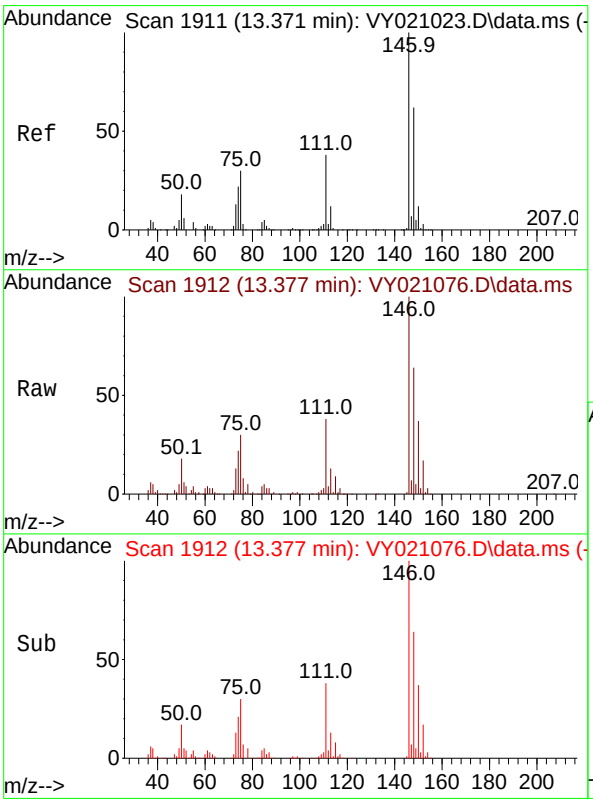
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.5
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

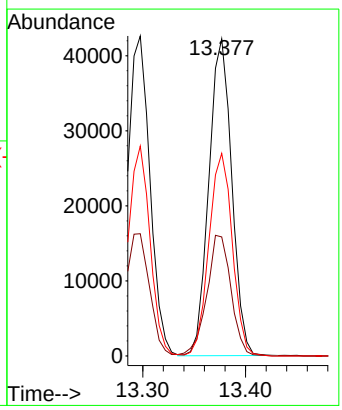
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

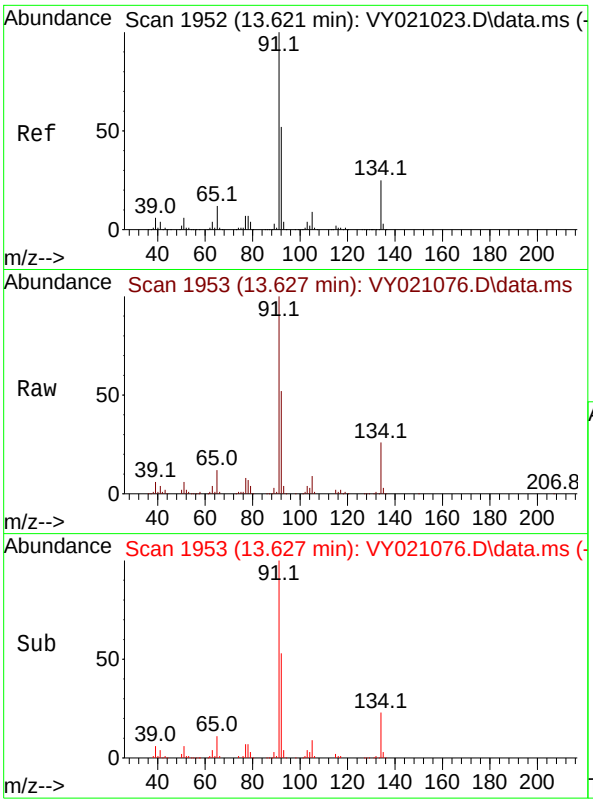


#88
1,4-Dichlorobenzene
Concen: 18.602 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:146 Resp: 65178

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.3	57.9
148	65.5	31.6	94.7

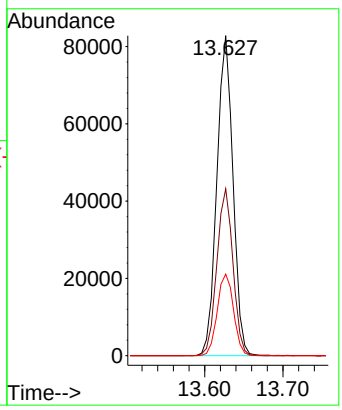




#89
n-Butylbenzene
Concen: 18.460 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 91 Resp: 11851

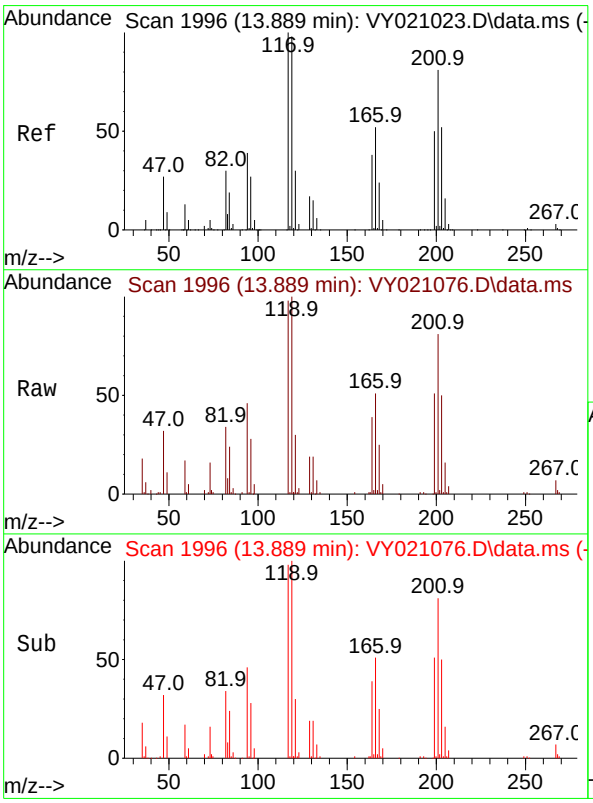
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.4	79.2
134	25.8	12.3	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

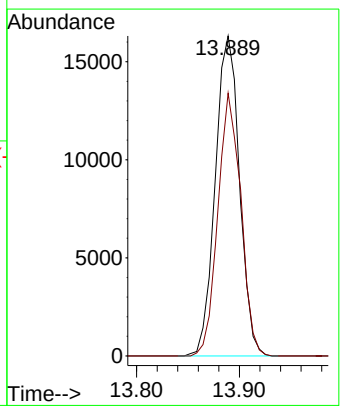
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

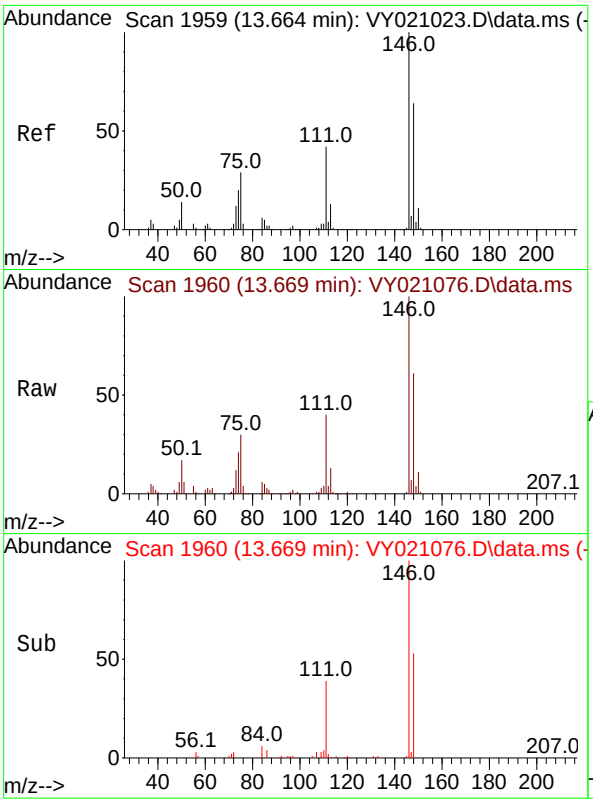


#90
Hexachloroethane
Concen: 18.173 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:117 Resp: 26681

Ion	Ratio	Lower	Upper
117	100		
201	78.0	33.4	100.1

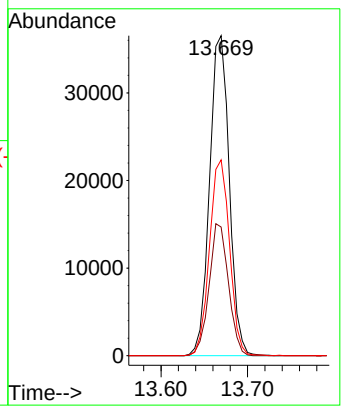




#91
1,2-Dichlorobenzene
Concen: 18.675 ug/l
RT: 13.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:146 Resp: 5767

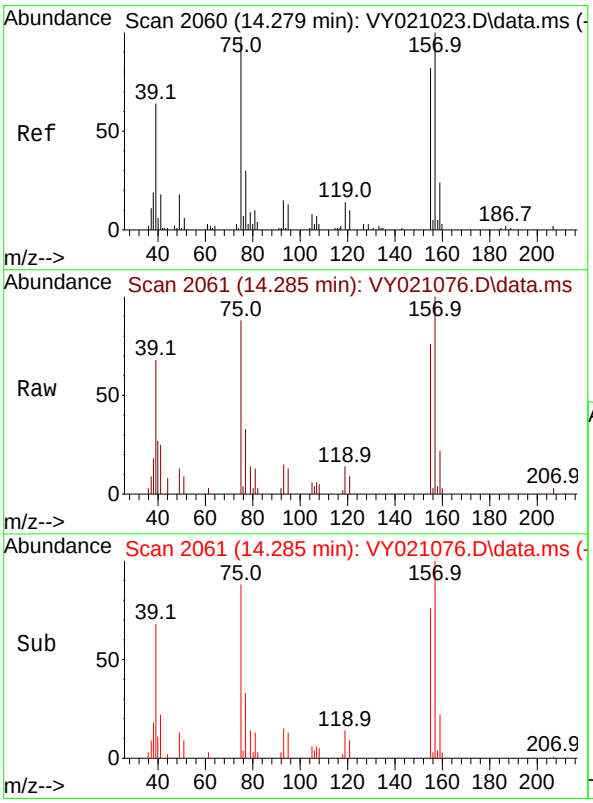
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.5	61.6
148	62.3	31.4	94.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

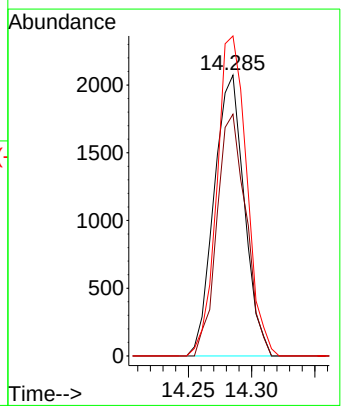
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

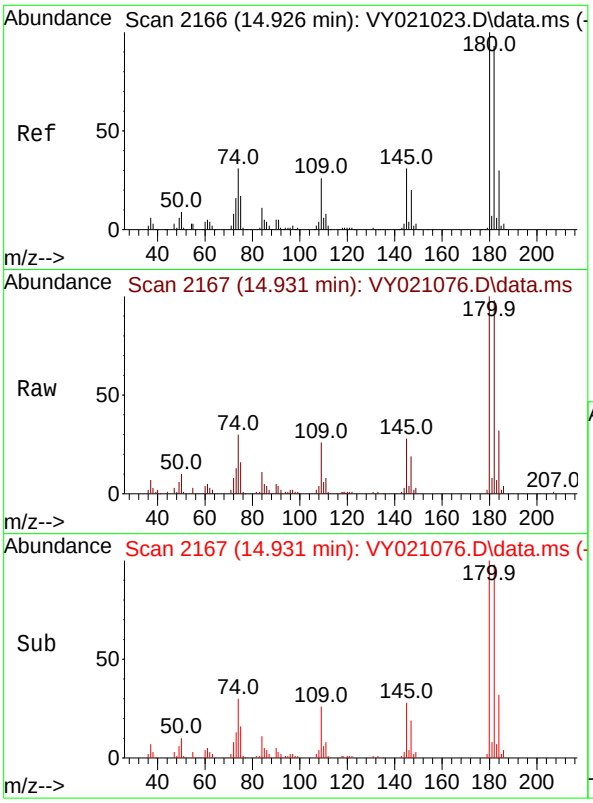


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.357 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion: 75 Resp: 3445

Ion	Ratio	Lower	Upper
75	100		
155	82.8	42.1	126.3
157	112.3	55.8	167.4

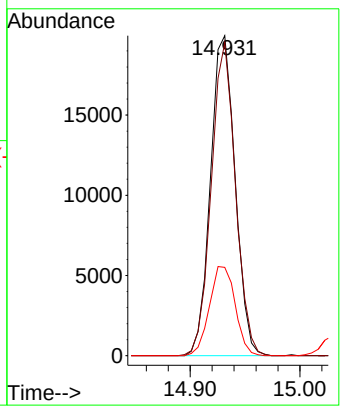




#93
1,2,4-Trichlorobenzene
Concen: 18.146 ug/l
RT: 14.931 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:180 Resp: 3119

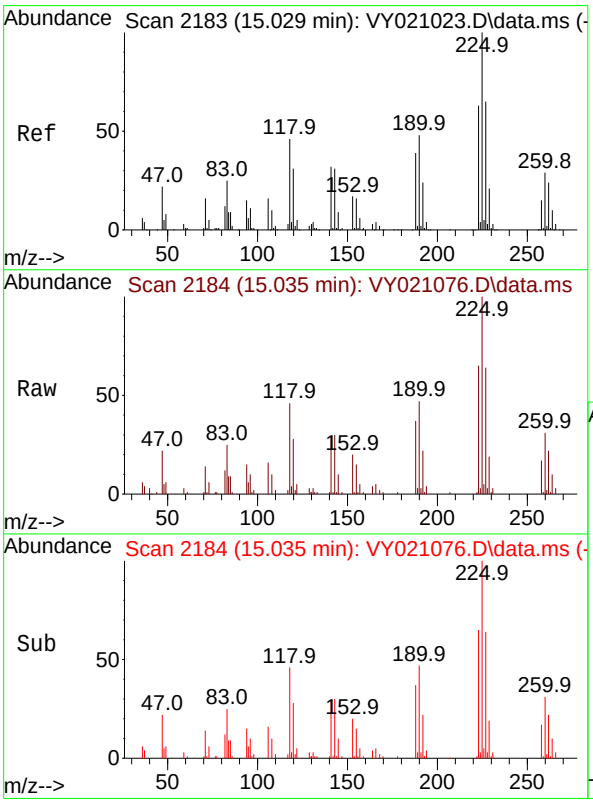
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.7
145	29.1	15.9	47.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

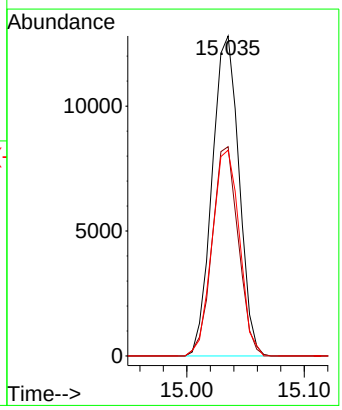
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025

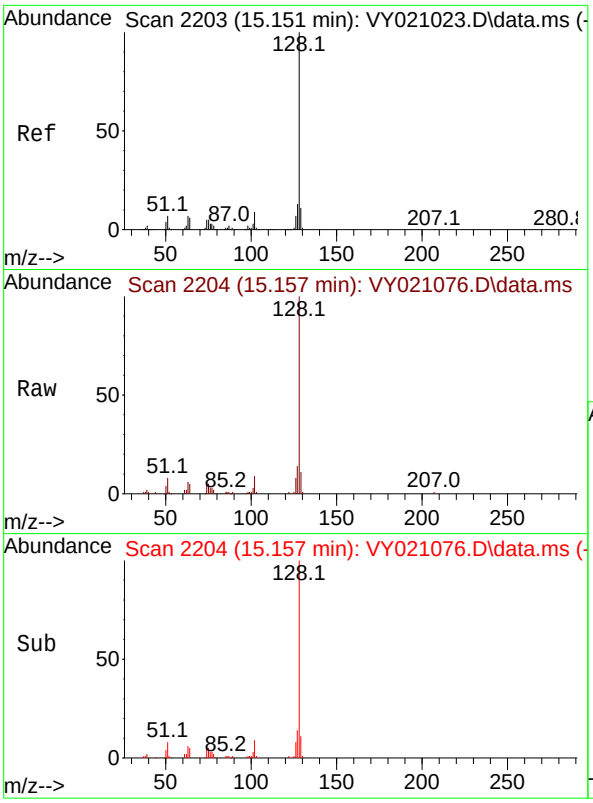


#94
Hexachlorobutadiene
Concen: 17.873 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:225 Resp: 20362

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.4	94.3
227	65.4	32.3	96.8

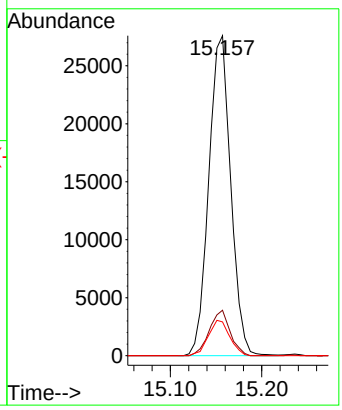




#95
Naphthalene
Concen: 16.718 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:128 Resp: 4598

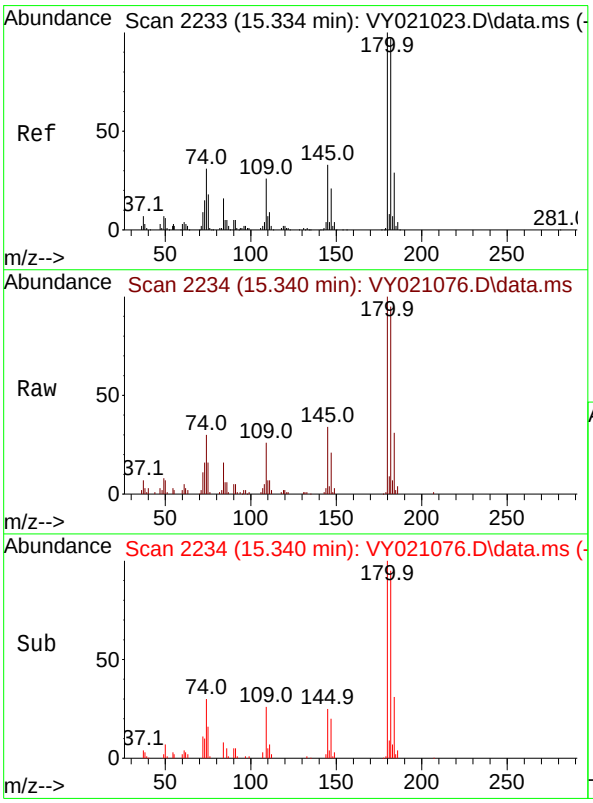
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	10.8	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
APPROVED

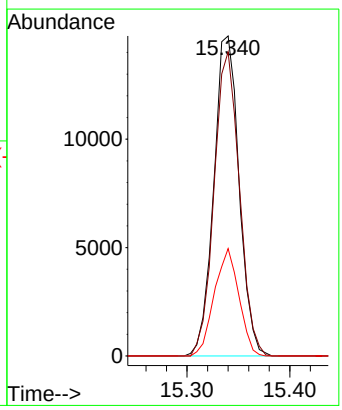
Reviewed By :Romaben Patel 02/06/2025
Supervised By :Mahesh Dadoda 02/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.628 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021076.D
Acq: 05 Feb 2025 10:21

Tgt Ion:180 Resp: 25221

Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.3	138.8
145	32.6	16.1	48.2



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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0204SBSD01	SDG No.:	Q1241
Lab Sample ID:	VY0204SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021049.D	1		02/04/25 11:15	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.7		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.1		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.2		1.00	5.00	ug/Kg
75-00-3	Chloroethane	17.6		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.4		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.1		1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	120		15.6	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	18.9		0.78	5.00	ug/Kg
67-64-1	Acetone	120		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.3		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.4		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.7		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.2		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.5		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.1		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.6		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.3		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.0		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	23.4		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	19.9		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.5		0.87	5.00	ug/Kg
71-43-2	Benzene	20.0		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.4		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0204SBSD01	SDG No.:	Q1241
Lab Sample ID:	VY0204SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021049.D	1		02/04/25 11:15	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	20.1		0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	20.3		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.1		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.5		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.7		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.1		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.6		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.6		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.7		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.1		0.70	5.00	ug/Kg
100-42-5	Styrene	20.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.3		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.5		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.2		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	19.9		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.9		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		50 - 163	110%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		54 - 147	107%	SPK: 50
2037-26-5	Toluene-d8	53.9		58 - 134	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		29 - 146	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	147000	7.707			
540-36-3	1,4-Difluorobenzene	229000	8.616			
3114-55-4	Chlorobenzene-d5	200000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	101000	13.346			

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VY0204SBSD01	SDG No.:	Q1241
Lab Sample ID:	VY0204SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021049.D	1		02/04/25 11:15	VY020425

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\VY020425\
Data File : VY021049.D
Acq On : 04 Feb 2025 11:15
Operator : SY/MD
Sample : VY0204SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 05 00:44:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	146628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	228862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	199914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	101483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	82979	55.234	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.460%			
35) Dibromofluoromethane	7.634	113	78118	53.261	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.520%			
50) Toluene-d8	10.109	98	301231	53.947	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.900%			
62) 4-Bromofluorobenzene	12.408	95	102686	56.291	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	25275	19.340	ug/l	100
3) Chloromethane	2.068	50	25438	19.726	ug/l	99
4) Vinyl Chloride	2.208	62	23489	18.096	ug/l	96
5) Bromomethane	2.592	94	15435	19.240	ug/l	96
6) Chloroethane	2.732	64	13597	17.597	ug/l	92
7) Trichlorofluoromethane	3.062	101	43623	18.447	ug/l	99
8) Diethyl Ether	3.458	74	13989	18.950	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	28307	19.073	ug/l	96
10) Methyl Iodide	4.007	142	30758	18.654	ug/l	93
11) Tert butyl alcohol	4.866	59	12122	119.070	ug/l	97
12) 1,1-Dichloroethene	3.787	96	26361	18.855	ug/l	95
13) Acrolein	3.653	56	16917	107.911	ug/l	99
14) Allyl chloride	4.385	41	46391	19.689	ug/l	95
15) Acrylonitrile	5.061	53	33011	107.385	ug/l	98
16) Acetone	3.866	43	27652	118.028	ug/l	99
17) Carbon Disulfide	4.110	76	80275	18.311	ug/l	100
18) Methyl Acetate	4.391	43	17827	21.676	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	71999	20.375	ug/l	98
20) Methylene Chloride	4.616	84	29370	20.166	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	29992	19.489	ug/l	98
22) Diisopropyl ether	6.025	45	100790	20.753	ug/l	97
23) Vinyl Acetate	5.958	43	281228	103.873	ug/l	97
24) 1,1-Dichloroethane	5.915	63	57133	20.079	ug/l	100
25) 2-Butanone	6.890	43	42173	109.543	ug/l	98
26) 2,2-Dichloropropane	6.890	77	52601	19.978	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	35347	19.955	ug/l	95
28) Bromochloromethane	7.244	49	26277	23.354	ug/l	99
29) Tetrahydrofuran	7.262	42	28552	109.600	ug/l	95
30) Chloroform	7.421	83	58632	20.061	ug/l	100
31) Cyclohexane	7.701	56	47633	18.589	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	53948	19.853	ug/l	99
36) 1,1-Dichloropropene	7.835	75	41772	19.228	ug/l	99
37) Ethyl Acetate	6.982	43	20433	21.440	ug/l	99
38) Carbon Tetrachloride	7.823	117	49097	19.342	ug/l	99
39) Methylcyclohexane	9.109	83	49181	18.508	ug/l	96
40) Benzene	8.079	78	127577	20.011	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021049.D
Acq On : 04 Feb 2025 11:15
Operator : SY/MD
Sample : VY0204SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 05 00:44:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	9952	18.050	ug/l		91
42) 1,2-Dichloroethane	8.158	62	36140	20.435	ug/l		98
43) Isopropyl Acetate	8.195	43	39516	20.867	ug/l		98
44) Trichloroethene	8.866	130	32010	19.434	ug/l		95
45) 1,2-Dichloropropane	9.146	63	30339	20.050	ug/l		99
46) Dibromomethane	9.231	93	17527	20.920	ug/l		96
47) Bromodichloromethane	9.426	83	46392	20.646	ug/l		99
48) Methyl methacrylate	9.219	41	17694	20.513	ug/l		94
49) 1,4-Dioxane	9.225	88	3465	444.260	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	104432	109.666	ug/l		96
52) Toluene	10.170	92	80328	20.067	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	40857	20.250	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	48108	20.138	ug/l	#	91
55) 1,1,2-Trichloroethane	10.573	97	22256	20.514	ug/l		97
56) Ethyl methacrylate	10.438	69	29794	20.528	ug/l		93
57) 1,3-Dichloropropane	10.719	76	38712	20.615	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	70063	101.468	ug/l		98
59) 2-Hexanone	10.762	43	67225	109.642	ug/l		95
60) Dibromochloromethane	10.914	129	31488	20.667	ug/l		97
61) 1,2-Dibromoethane	11.018	107	20435	20.109	ug/l		96
64) Tetrachloroethene	10.646	164	29061	19.582	ug/l		97
65) Chlorobenzene	11.444	112	87602	19.680	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	31681	20.027	ug/l		97
67) Ethyl Benzene	11.518	91	154275	19.594	ug/l		99
68) m/p-Xylenes	11.633	106	116912	39.693	ug/l		97
69) o-Xylene	11.956	106	55196	20.100	ug/l		97
70) Styrene	11.969	104	92679	20.249	ug/l		99
71) Bromoform	12.133	173	18763	21.309	ug/l	#	100
73) Isopropylbenzene	12.255	105	146884	18.529	ug/l		99
74) N-amyl acetate	12.072	43	35202	20.311	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.505	83	26783	20.315	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	16518m	17.943	ug/l		
77) Bromobenzene	12.536	156	34826	19.037	ug/l		93
78) n-propylbenzene	12.597	91	177026	18.746	ug/l		98
79) 2-Chlorotoluene	12.682	91	101134	18.699	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	124402	19.356	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	8499	18.838	ug/l		89
82) 4-Chlorotoluene	12.779	91	104609	18.983	ug/l		99
83) tert-Butylbenzene	12.999	119	108559	18.583	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	120603	19.191	ug/l		99
85) sec-Butylbenzene	13.176	105	156108	18.564	ug/l		98
86) p-Isopropyltoluene	13.292	119	133404	19.097	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	67742	19.178	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	68868	19.802	ug/l		100
89) n-Butylbenzene	13.621	91	121493	19.065	ug/l		99
90) Hexachloroethane	13.883	117	27525	18.888	ug/l		89
91) 1,2-Dichlorobenzene	13.663	146	60946	19.879	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4096	20.790	ug/l		96
93) 1,2,4-Trichlorobenzene	14.925	180	34289	20.093	ug/l		98
94) Hexachlorobutadiene	15.023	225	22025	19.476	ug/l		99
95) Naphthalene	15.151	128	56048	20.529	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	29672	20.894	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021049.D
Acq On : 04 Feb 2025 11:15
Operator : SY/MD
Sample : VY0204SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

Quant Time: Feb 05 00:44:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

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

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

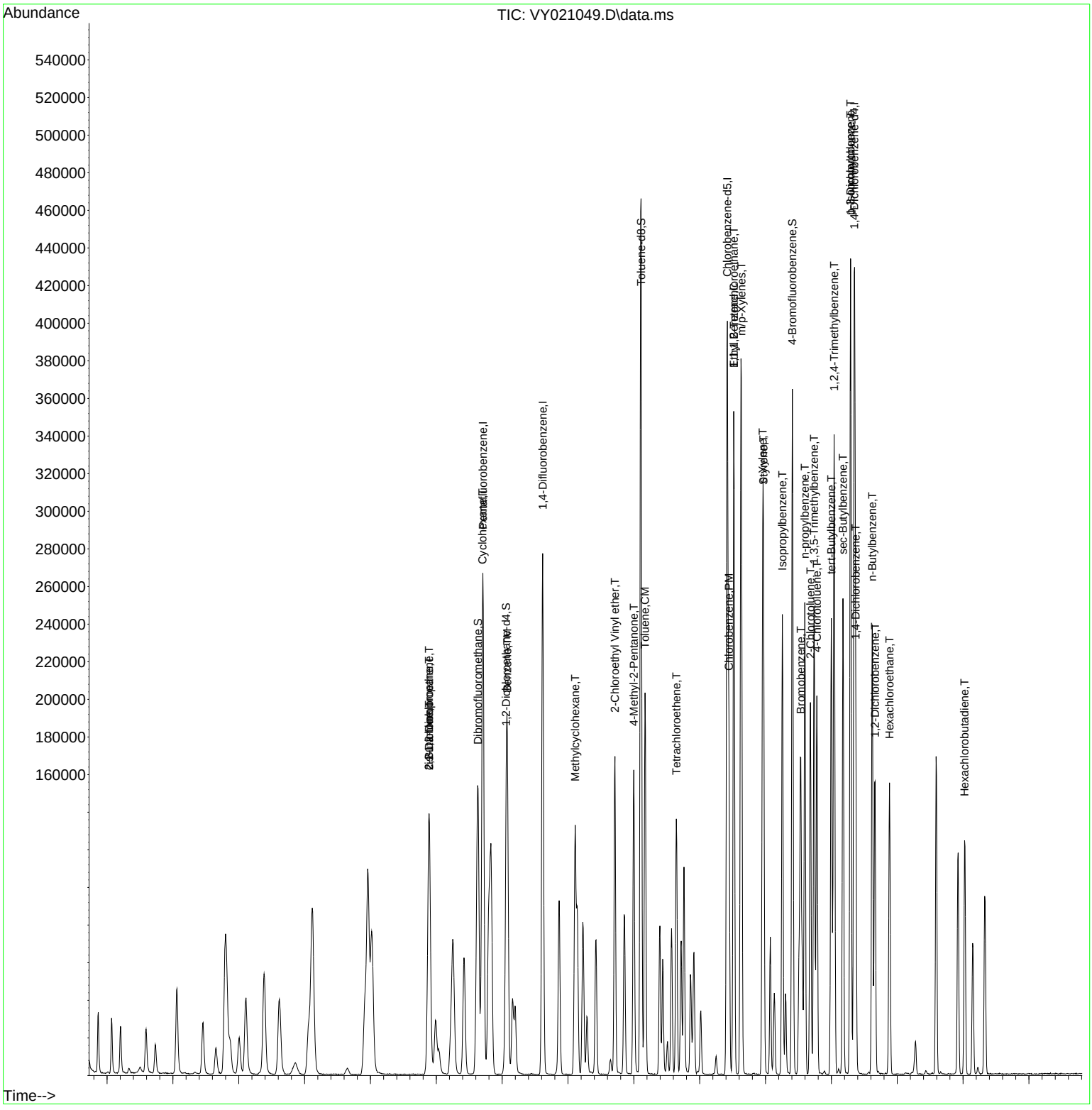
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021049.D
Acq On : 04 Feb 2025 11:15
Operator : SY/MD
Sample : VY0204SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

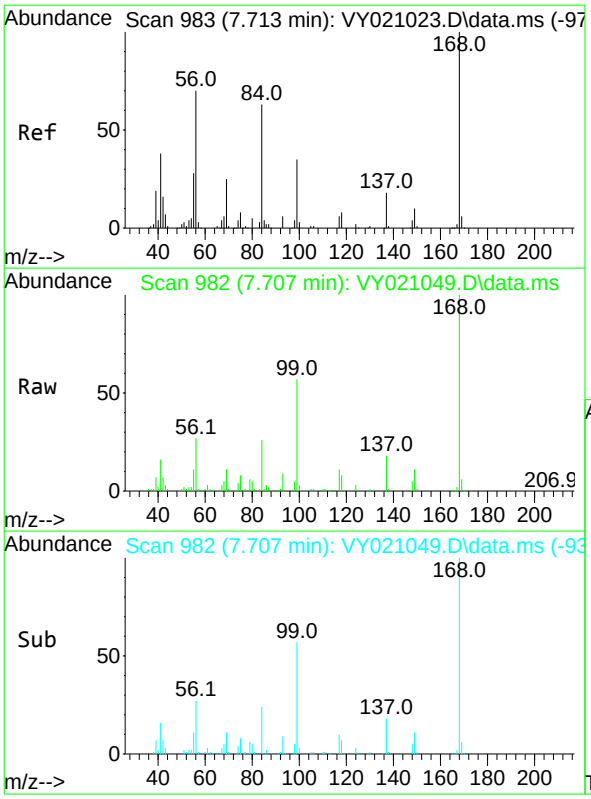
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

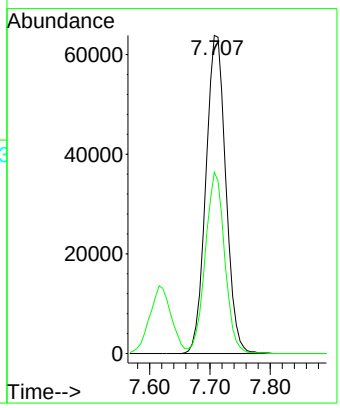




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:168 Resp: 146628

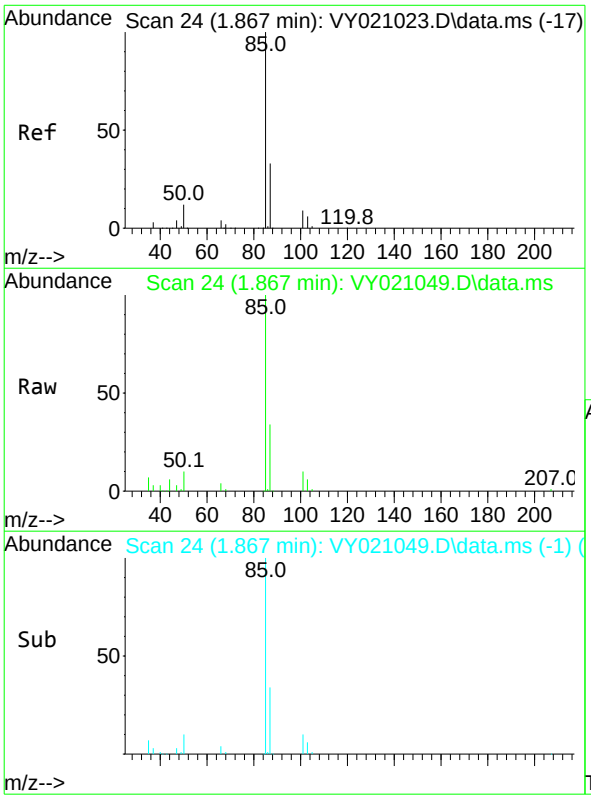
Ion	Ratio	Lower	Upper
168	100		
99	57.0	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations APPROVED

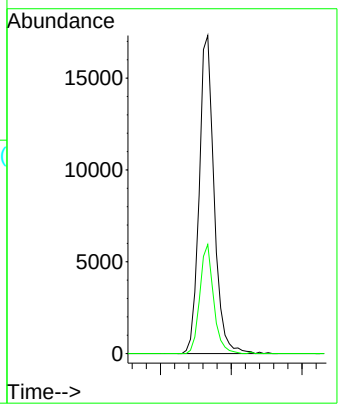
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

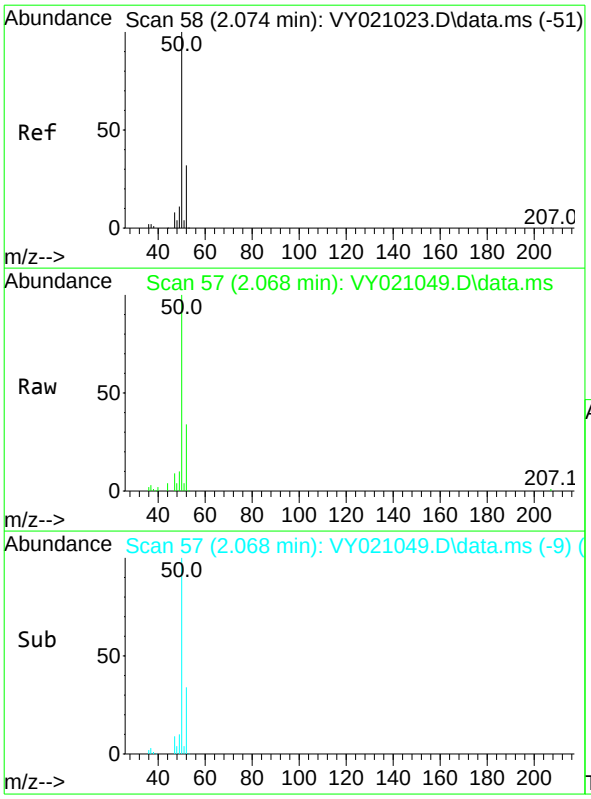


#2
Dichlorodifluoromethane
Concen: 19.340 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 85 Resp: 25275

Ion	Ratio	Lower	Upper
85	100		
87	34.3	17.1	51.3

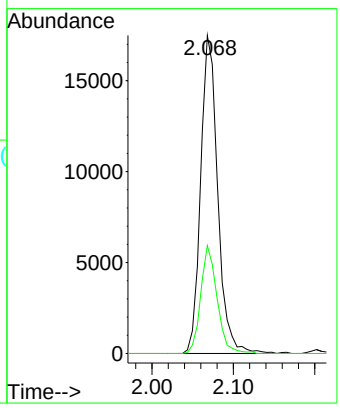




#3
Chloromethane
Concen: 19.726 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 50 Resp: 25438

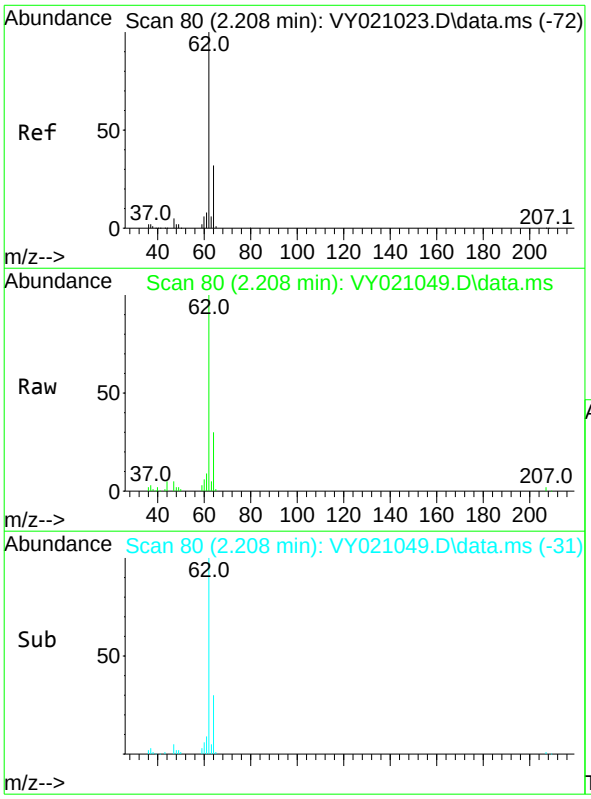
Ion	Ratio	Lower	Upper
50	100		
52	33.9	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

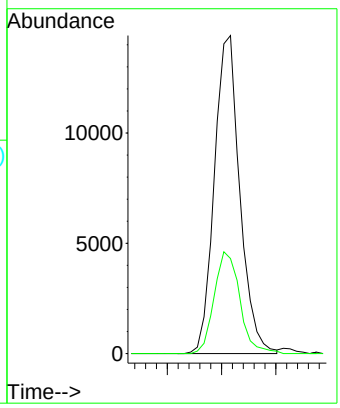
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

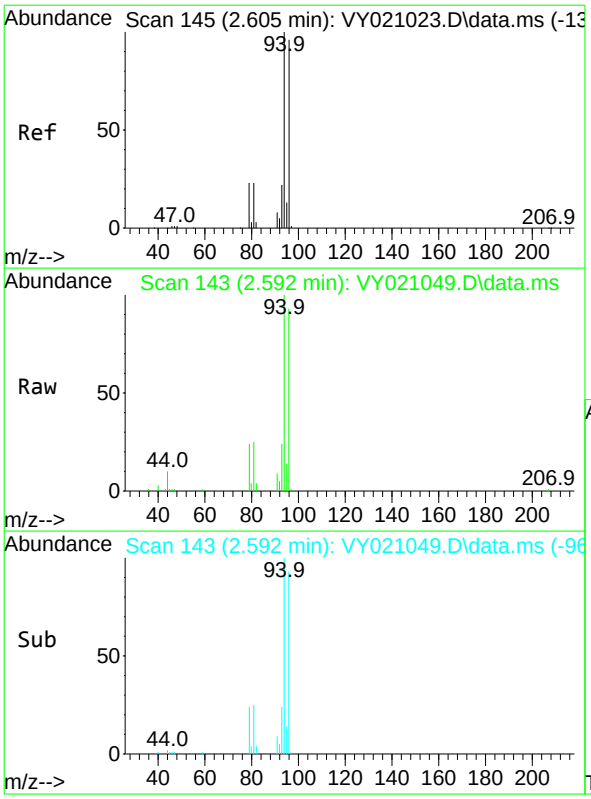


#4
Vinyl Chloride
Concen: 18.096 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 62 Resp: 23489

Ion	Ratio	Lower	Upper
62	100		
64	29.9	25.7	38.5

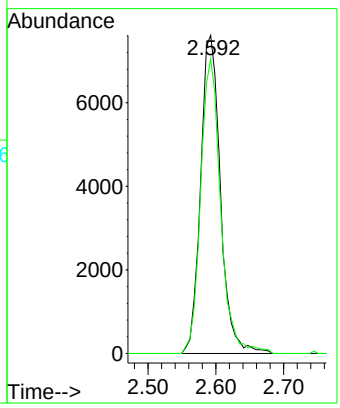




#5
Bromomethane
Concen: 19.240 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 94 Resp: 15435

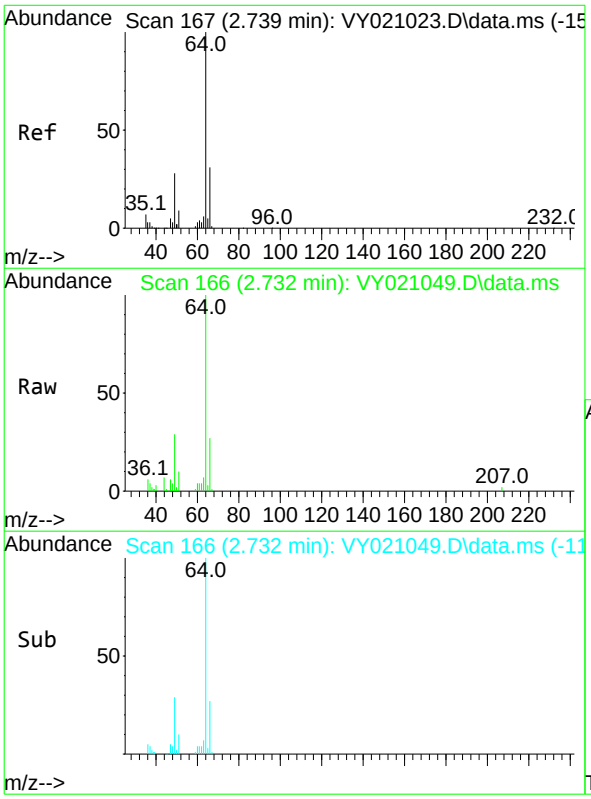
Ion	Ratio	Lower	Upper
94	100		
96	92.6	77.3	115.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

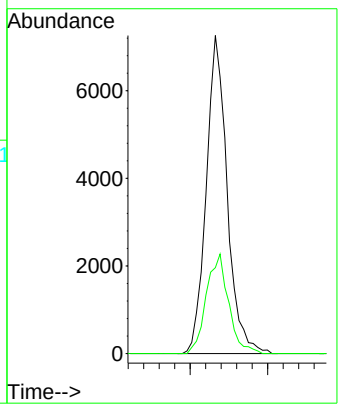
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

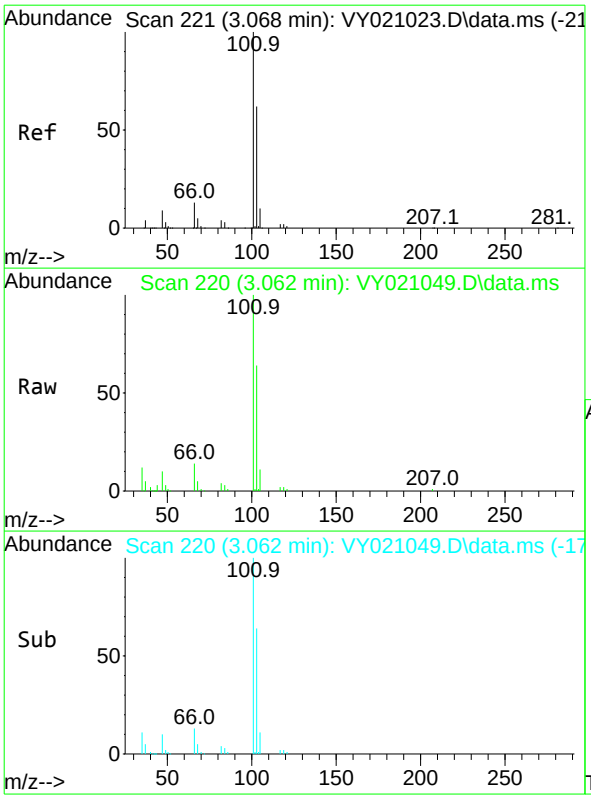


#6
Chloroethane
Concen: 17.597 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 64 Resp: 13597

Ion	Ratio	Lower	Upper
64	100		
66	27.0	25.1	37.7

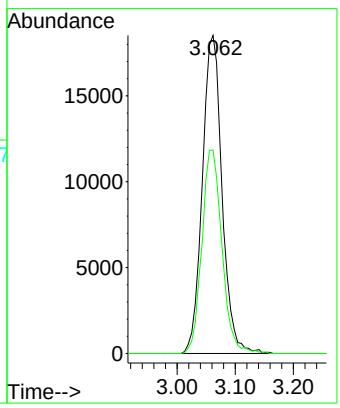




#7
Trichlorofluoromethane
Concen: 18.447 ug/l
RT: 3.062 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:101 Resp: 43623

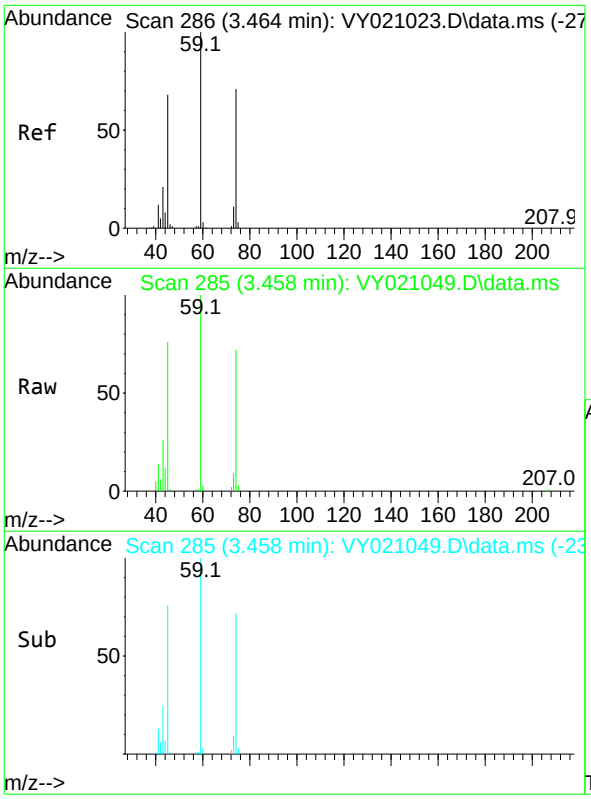
Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
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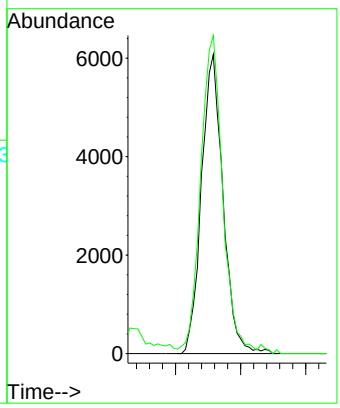
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

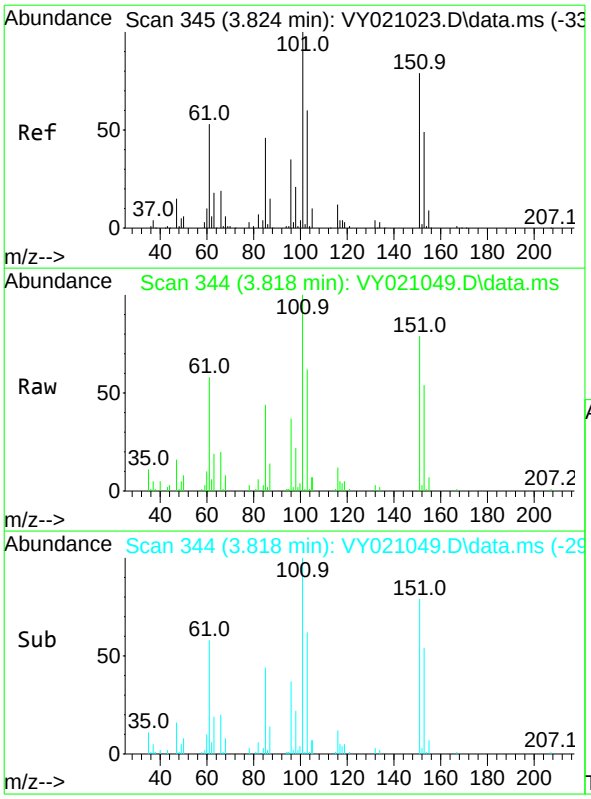


#8
Diethyl Ether
Concen: 18.950 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 74 Resp: 13989

Ion	Ratio	Lower	Upper
74	100		
45	105.7	47.9	143.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.073 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

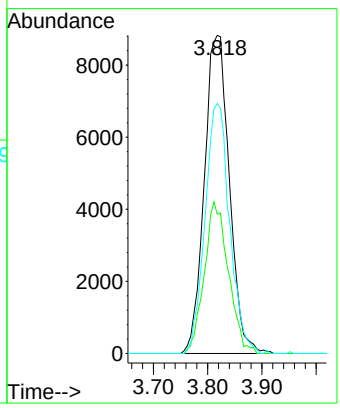
Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

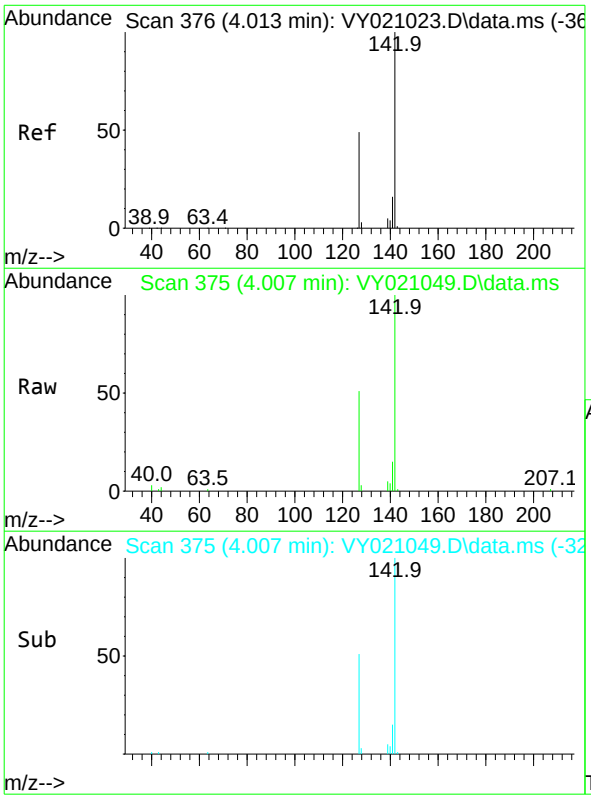
Tgt Ion:101 Resp: 28307

Ion	Ratio	Lower	Upper
101	100		
85	45.9	35.8	53.6
151	77.1	58.6	88.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

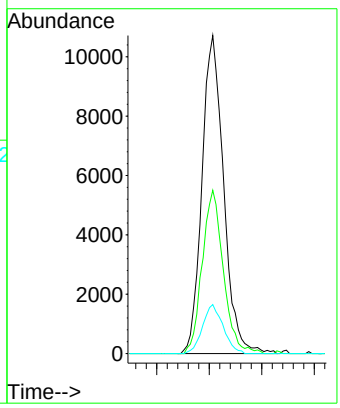


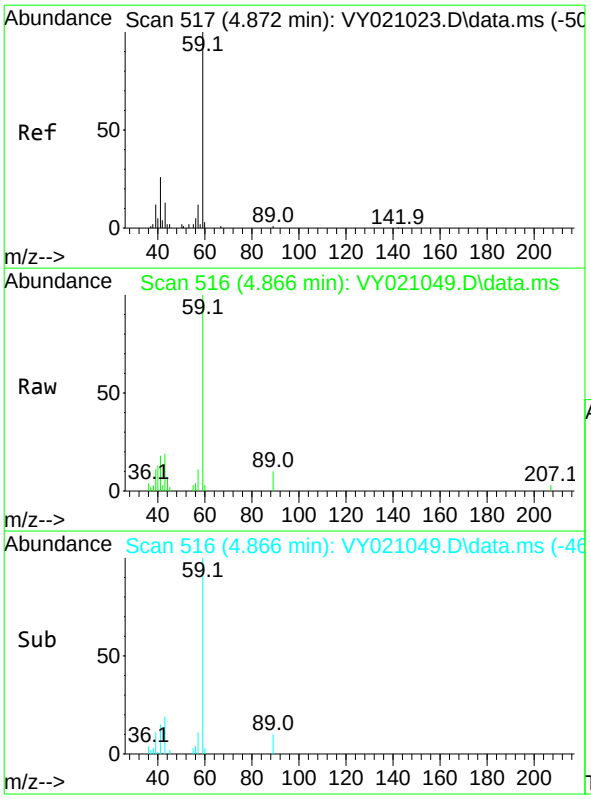


#10
Methyl Iodide
Concen: 18.654 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:142 Resp: 30758

Ion	Ratio	Lower	Upper
142	100		
127	49.9	35.1	52.7
141	14.7	11.8	17.6

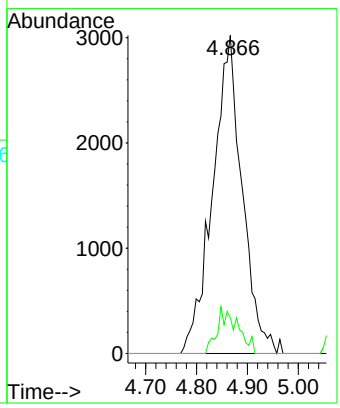




#11
Tert butyl alcohol
Concen: 119.070 ug/l
RT: 4.866 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 59 Resp: 12122

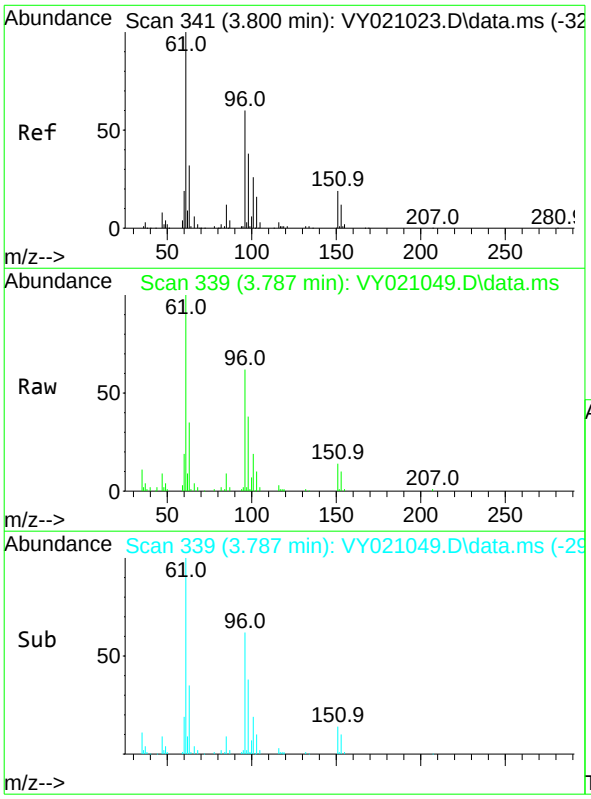
Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

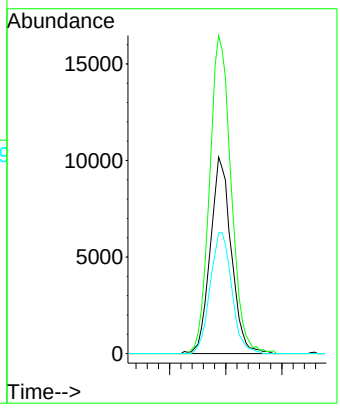
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

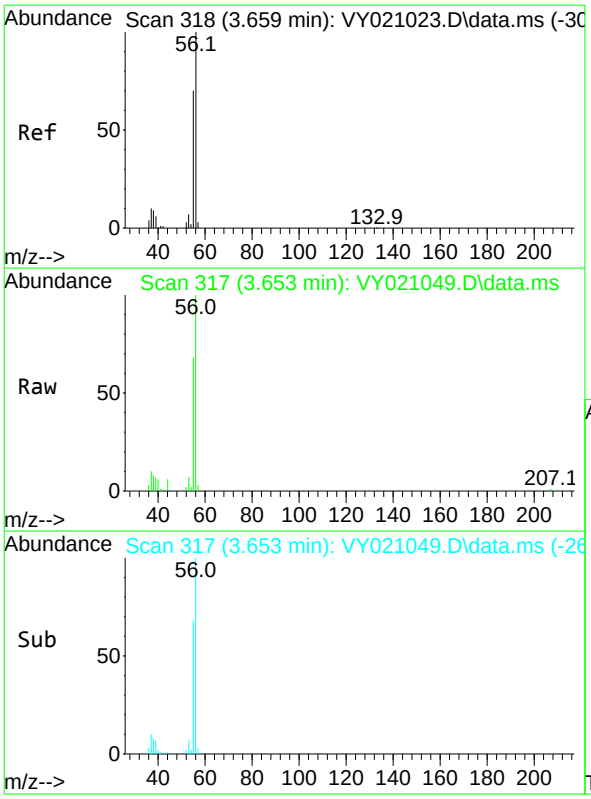


#12
1,1-Dichloroethene
Concen: 18.855 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 96 Resp: 26361

Ion	Ratio	Lower	Upper
96	100		
61	161.8	124.2	186.2
98	61.4	52.6	79.0

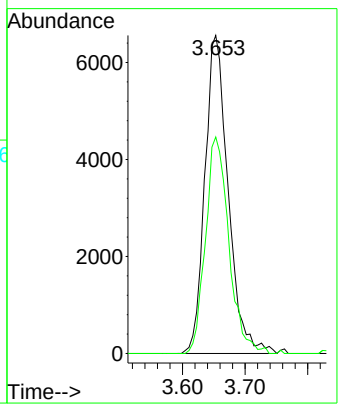




#13
Acrolein
Concen: 107.911 ug/l
RT: 3.653 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 56 Resp: 16917

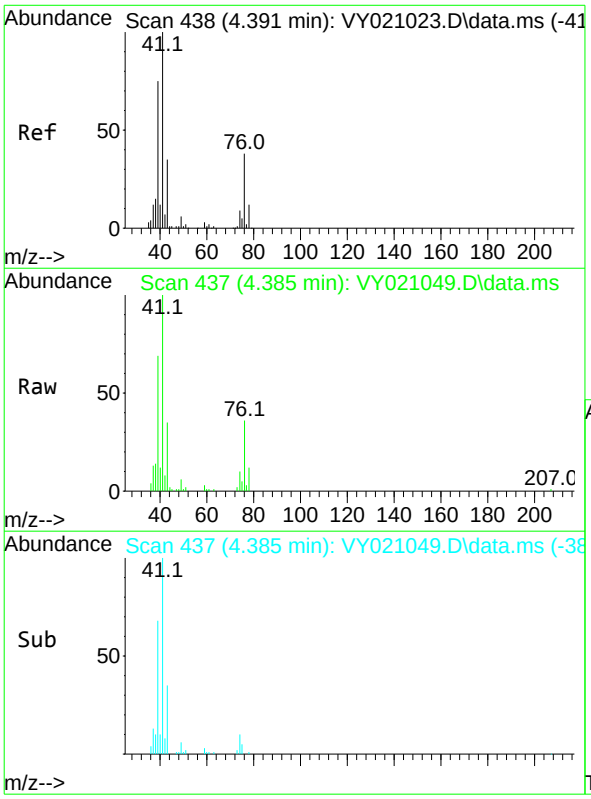
Ion	Ratio	Lower	Upper
56	100		
55	68.4	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

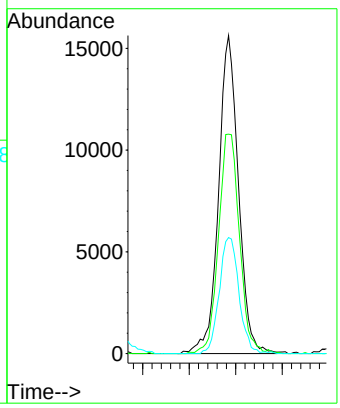
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

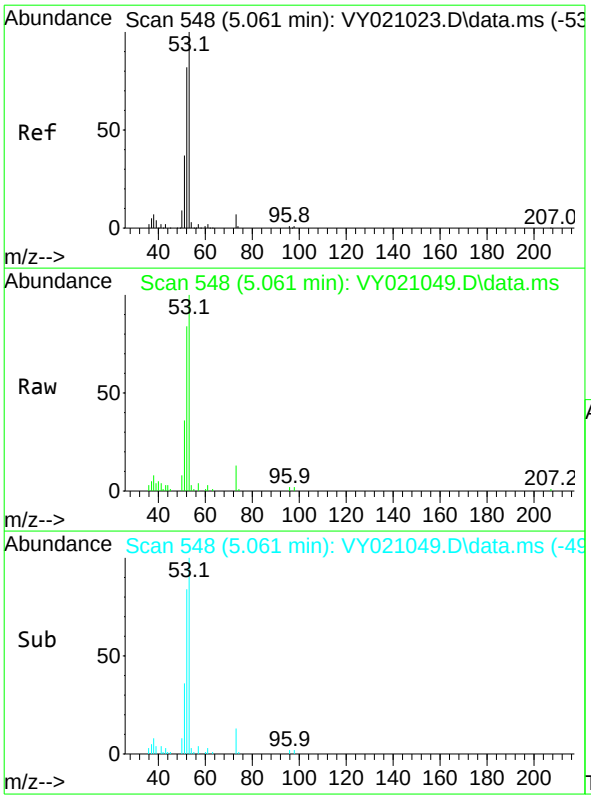


#14
Allyl chloride
Concen: 19.689 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 41 Resp: 46391

Ion	Ratio	Lower	Upper
41	100		
39	72.3	54.7	82.1
76	36.1	31.8	47.6





#15
Acrylonitrile
Concen: 107.385 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

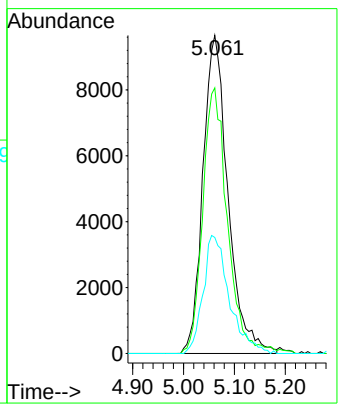
Tgt Ion: 53 Resp: 33011

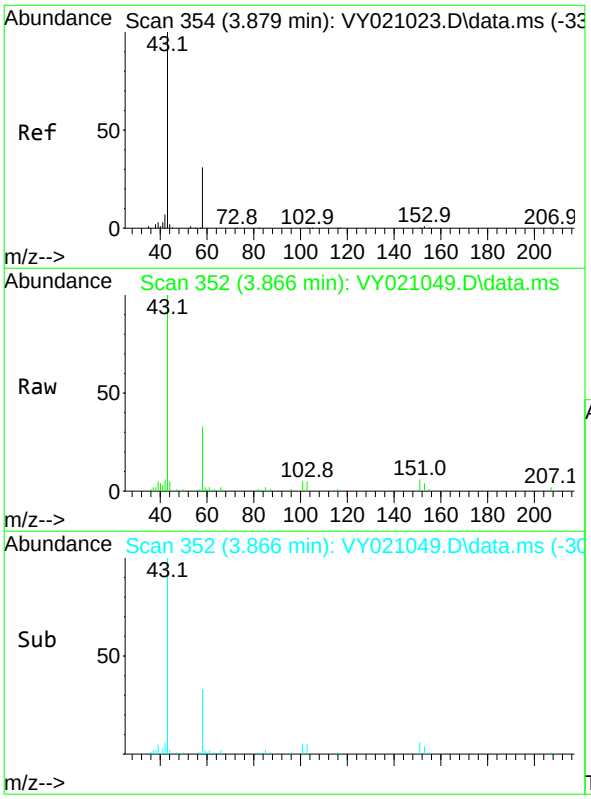
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.1	97.7
51	38.8	29.0	43.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

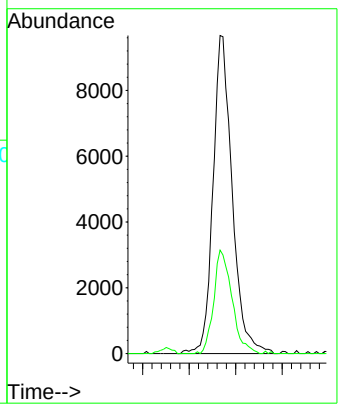


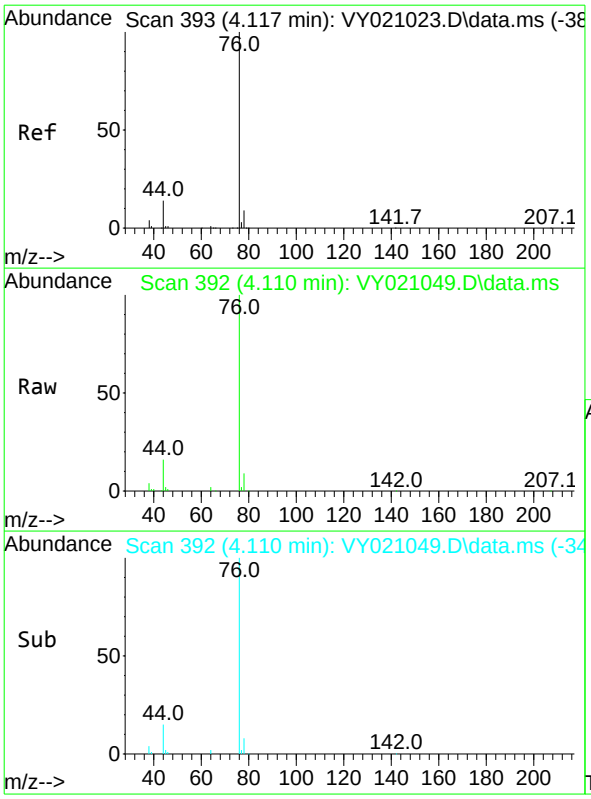


#16
Acetone
Concen: 118.028 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 43 Resp: 27652

Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.6	39.8

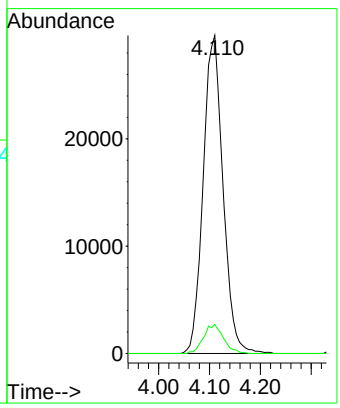




#17
Carbon Disulfide
Concen: 18.311 ug/l
RT: 4.110 min Scan# 39
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 76 Resp: 80275

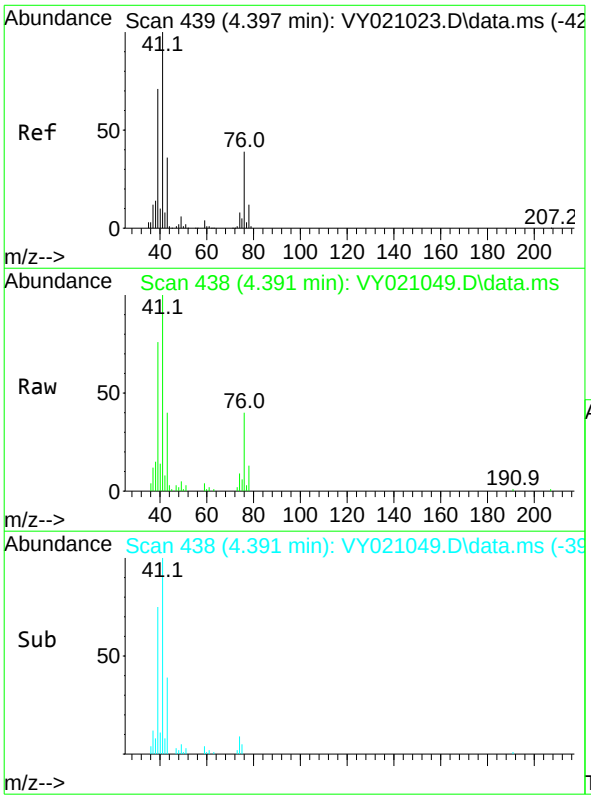
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
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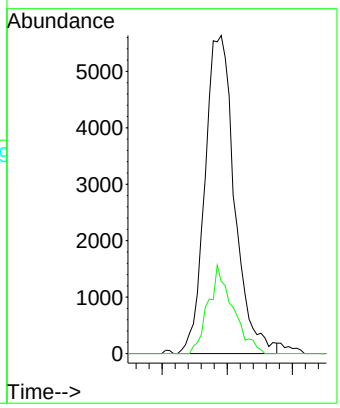
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

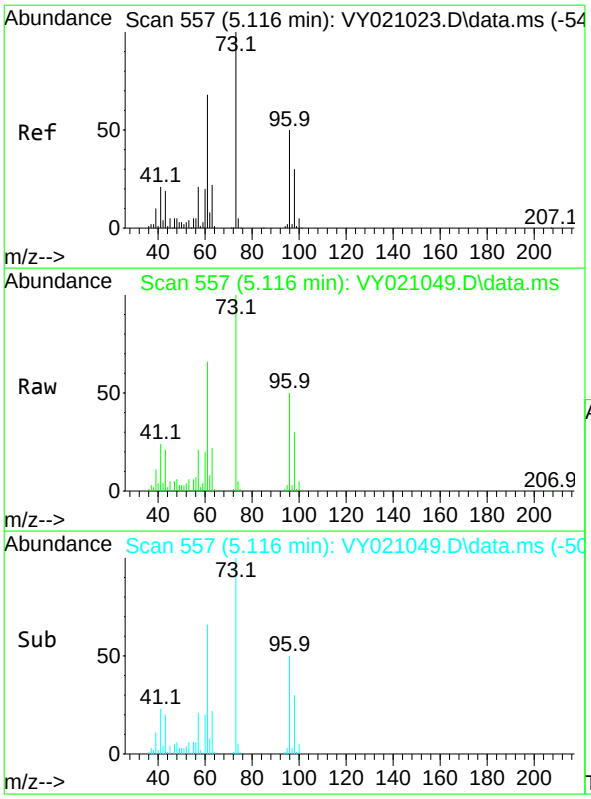


#18
Methyl Acetate
Concen: 21.676 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 43 Resp: 17827

Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.8	29.6

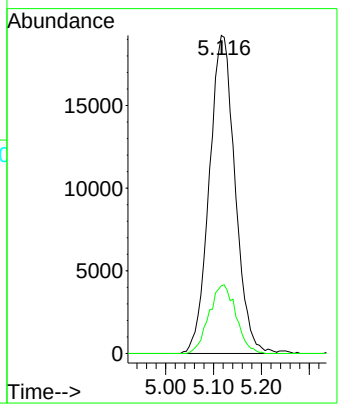




#19
Methyl tert-butyl Ether
Concen: 20.375 ug/l
RT: 5.116 min Scan# 55
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 73 Resp: 71999

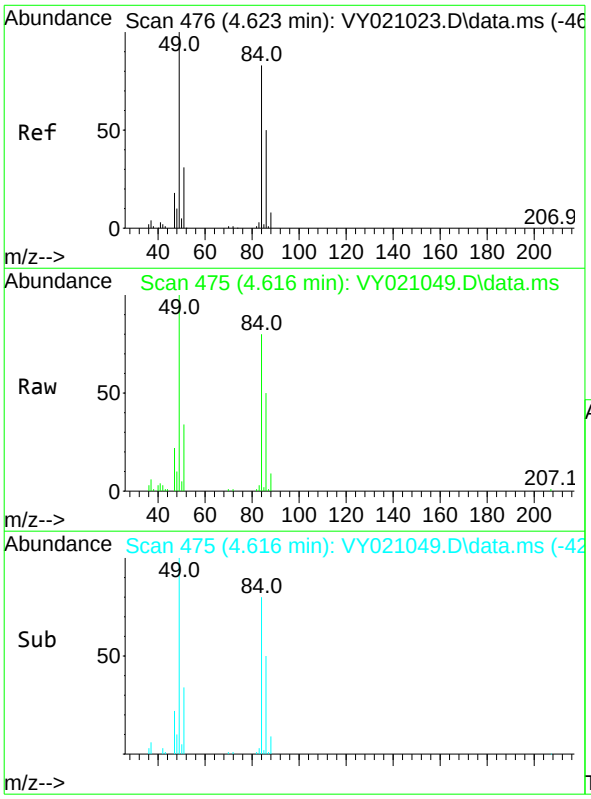
Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

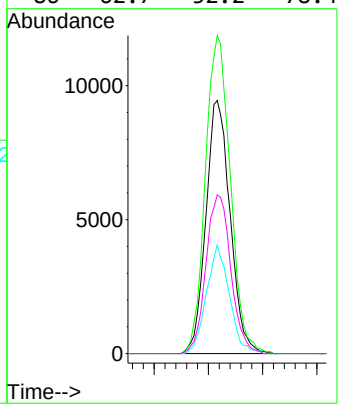
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

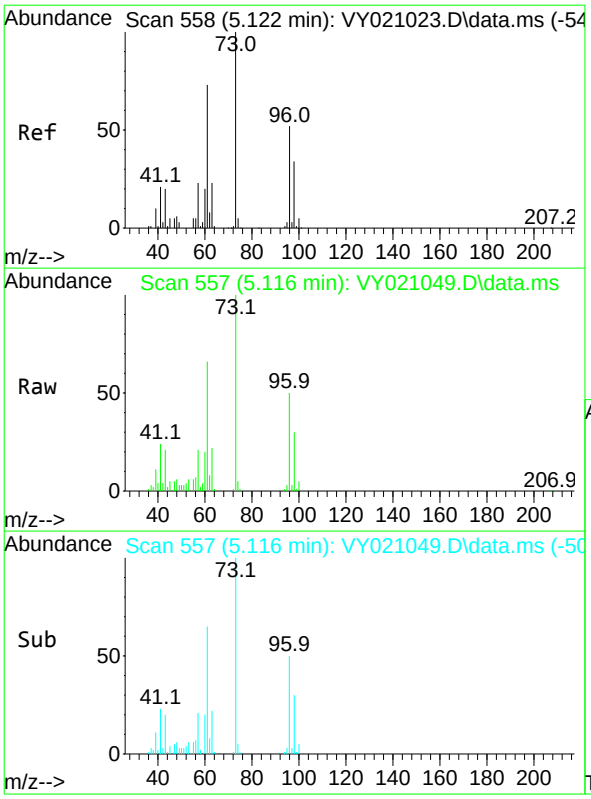


#20
Methylene Chloride
Concen: 20.166 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 84 Resp: 29370

Ion	Ratio	Lower	Upper
84	100		
49	125.7	95.2	142.8
51	42.9	29.9	44.9
86	62.7	52.2	78.4

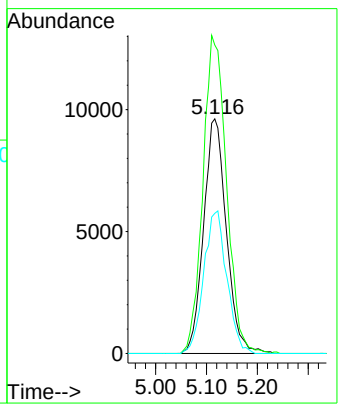




#21
trans-1,2-Dichloroethene
Concen: 19.489 ug/l
RT: 5.116 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 96 Resp: 29992

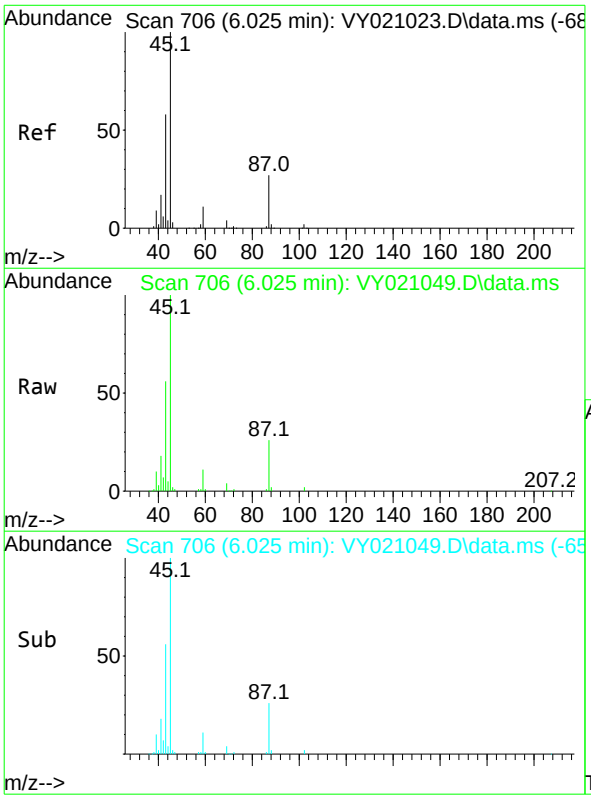
Ion	Ratio	Lower	Upper
96	100		
61	131.4	104.6	156.8
98	59.7	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

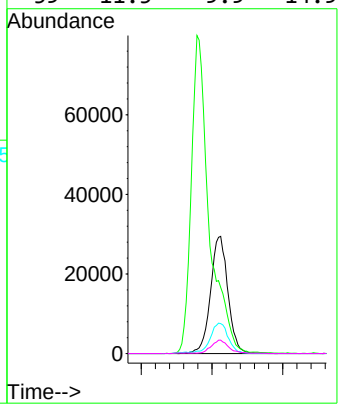
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

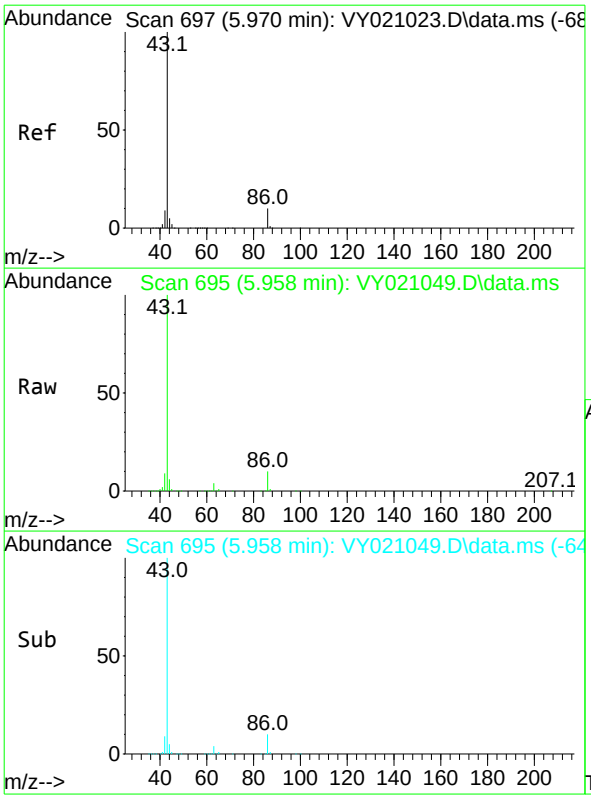


#22
Diisopropyl ether
Concen: 20.753 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 45 Resp: 100790

Ion	Ratio	Lower	Upper
45	100		
43	56.0	46.8	70.2
87	25.6	22.2	33.2
59	11.5	9.9	14.9

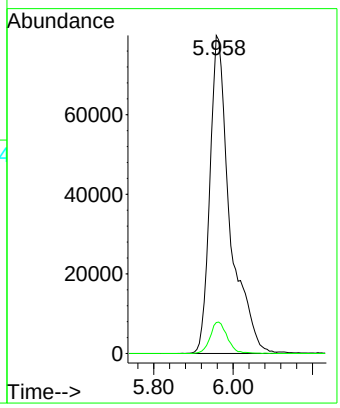




#23
Vinyl Acetate
Concen: 103.873 ug/l
RT: 5.958 min Scan# 69
Delta R.T. -0.012 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 43 Resp: 281228

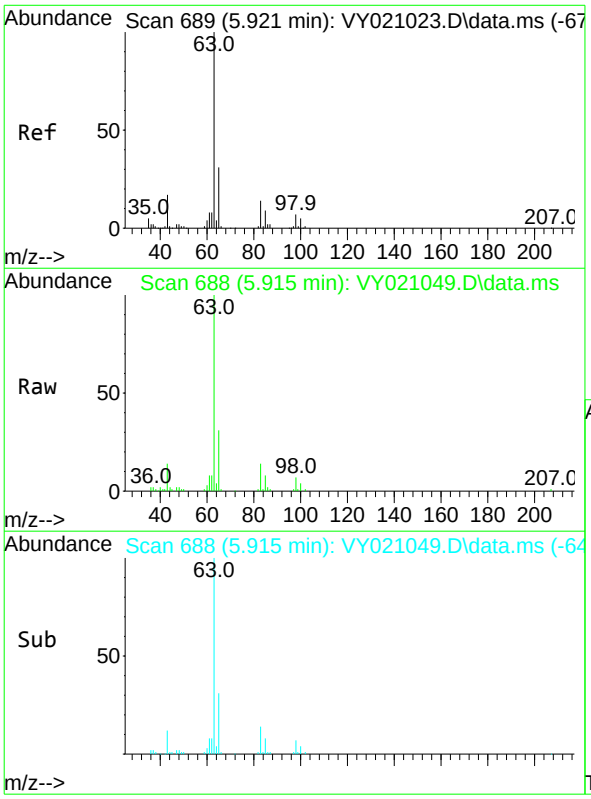
Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

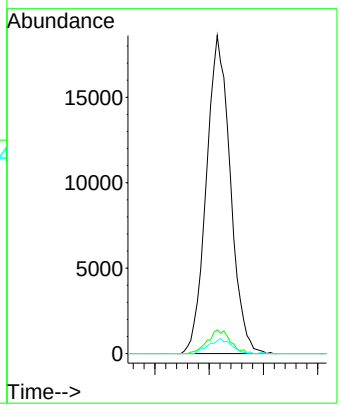
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

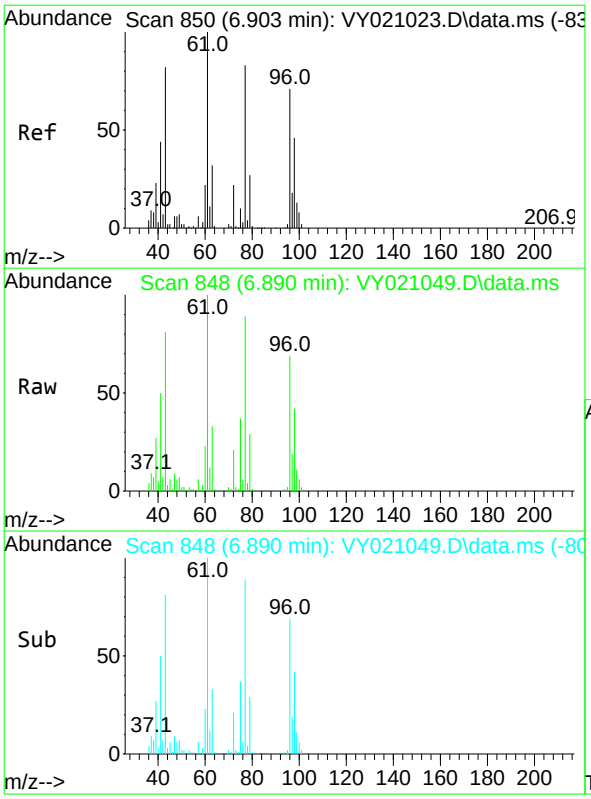


#24
1,1-Dichloroethane
Concen: 20.079 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 63 Resp: 57133

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.4
100	4.0	2.1	6.2

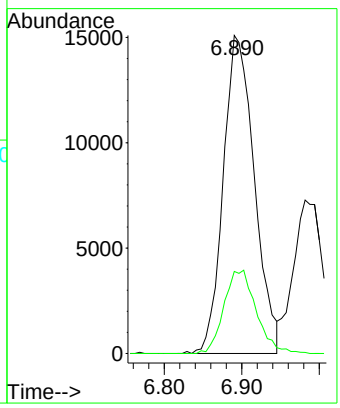




#25
2-Butanone
Concen: 109.543 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 43 Resp: 42173

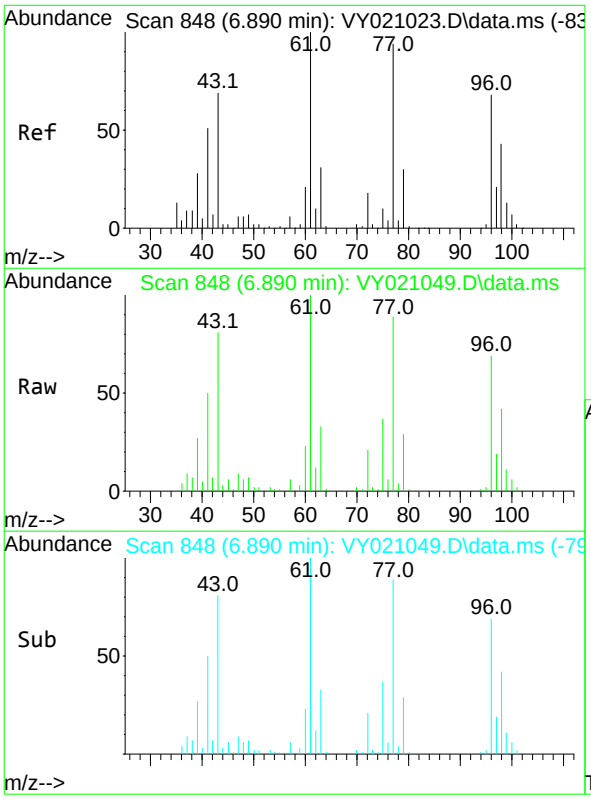
Ion	Ratio	Lower	Upper
43	100		
72	25.8	21.4	32.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

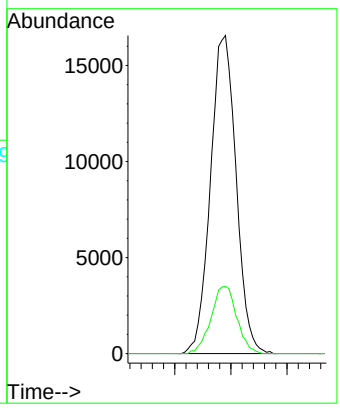
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

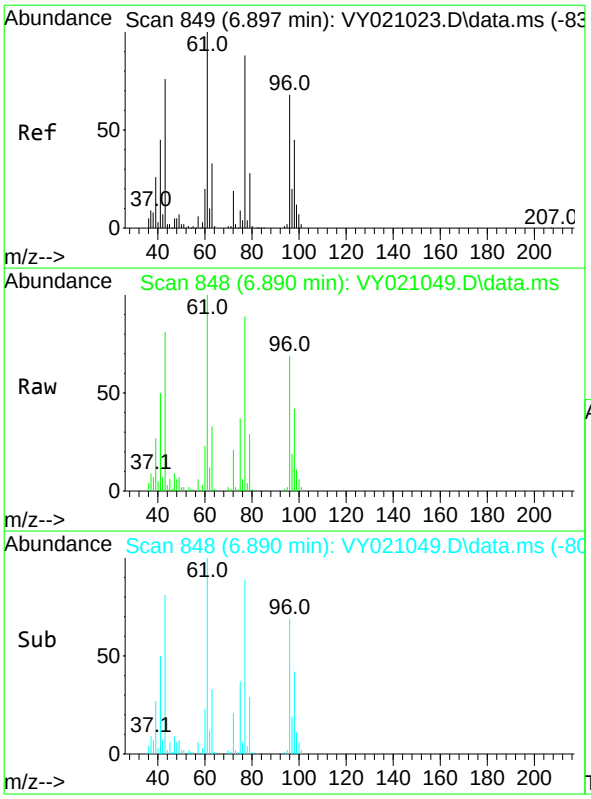


#26
2,2-Dichloropropane
Concen: 19.978 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 77 Resp: 52601

Ion	Ratio	Lower	Upper
77	100		
97	21.3	11.7	35.0

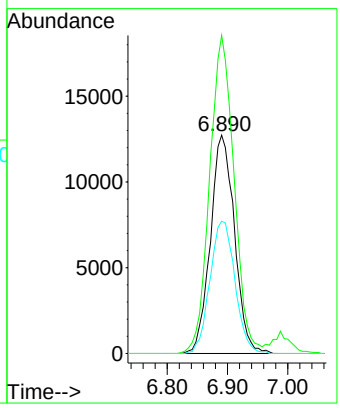




#27
cis-1,2-Dichloroethene
Concen: 19.955 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 96 Resp: 35347

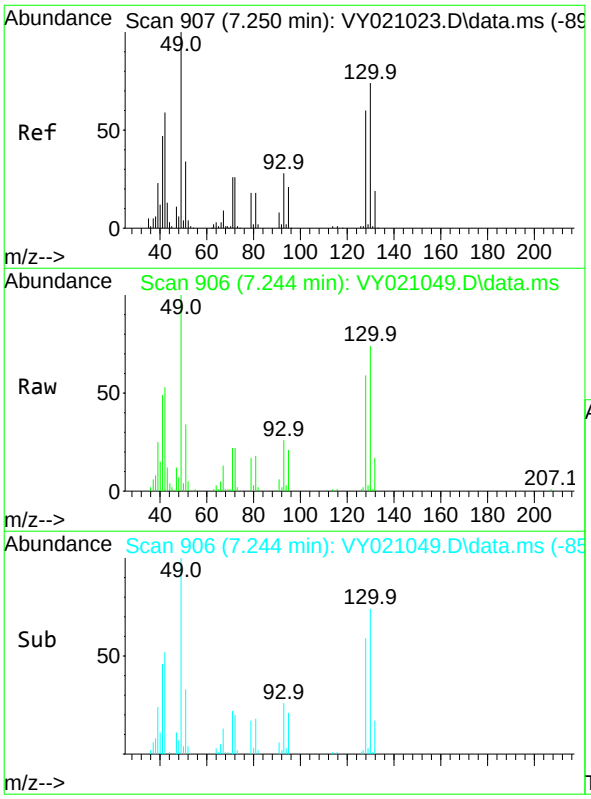
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	278.8
98	63.0	0.0	127.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

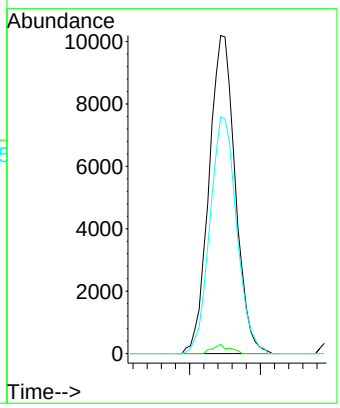
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

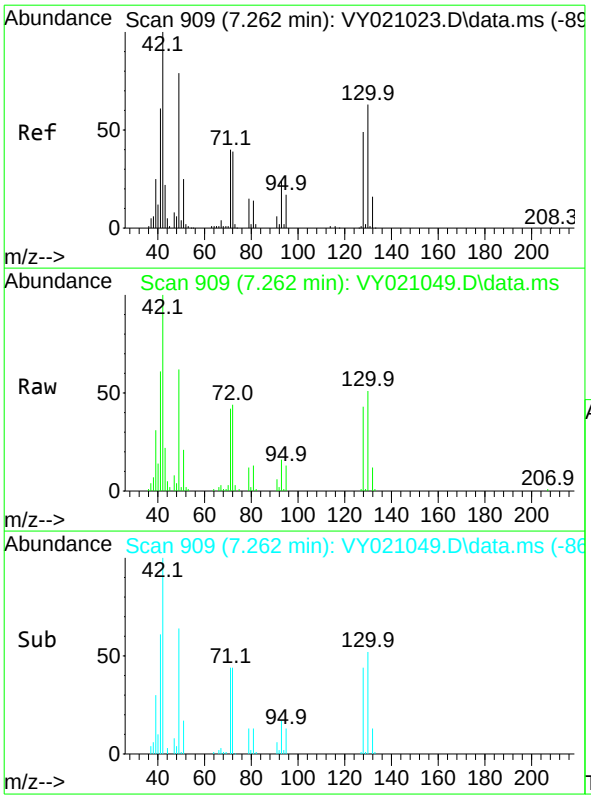


#28
Bromochloromethane
Concen: 23.354 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 49 Resp: 26277

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	75.8	59.8	89.8

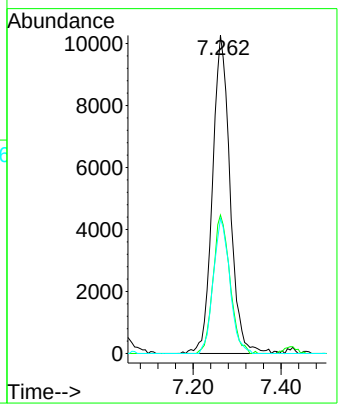




#29
Tetrahydrofuran
Concen: 109.600 ug/l
RT: 7.262 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 42 Resp: 28552

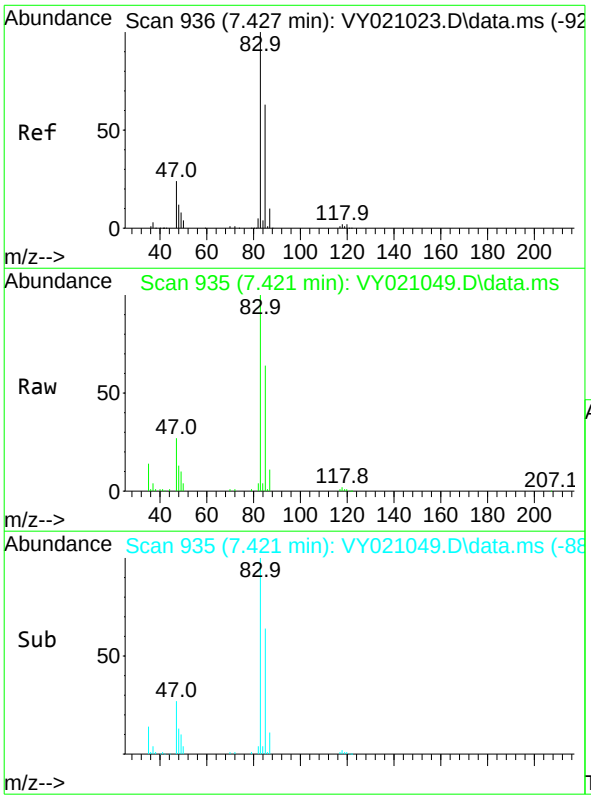
Ion	Ratio	Lower	Upper
42	100		
72	41.4	36.6	54.8
71	39.7	33.8	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

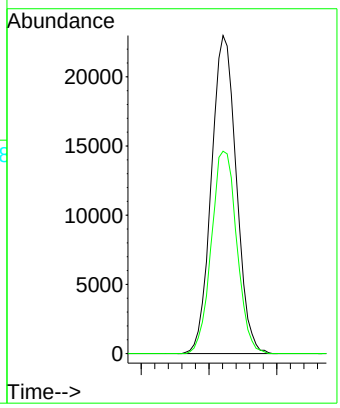
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

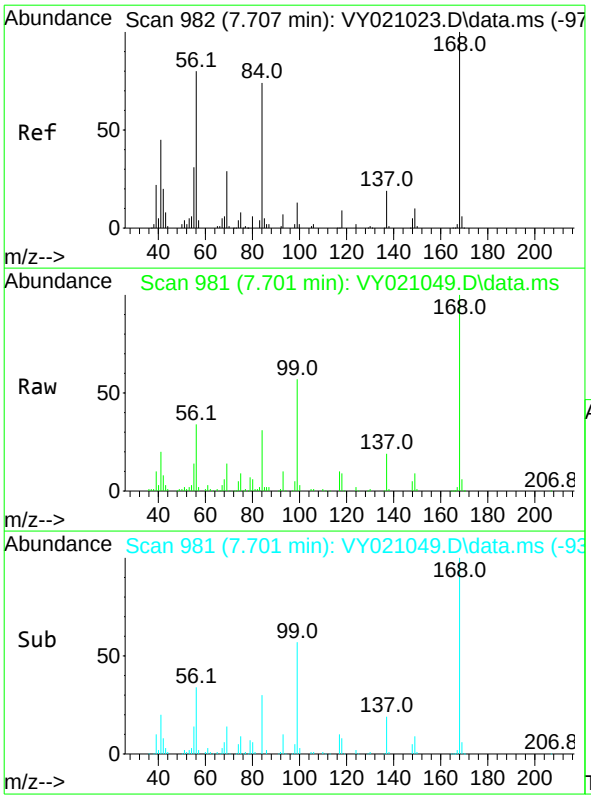


#30
Chloroform
Concen: 20.061 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 83 Resp: 58632

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.2	76.8

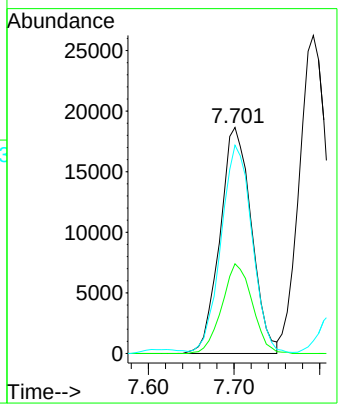




#31
Cyclohexane
Concen: 18.589 ug/l
RT: 7.701 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 56 Resp: 47633

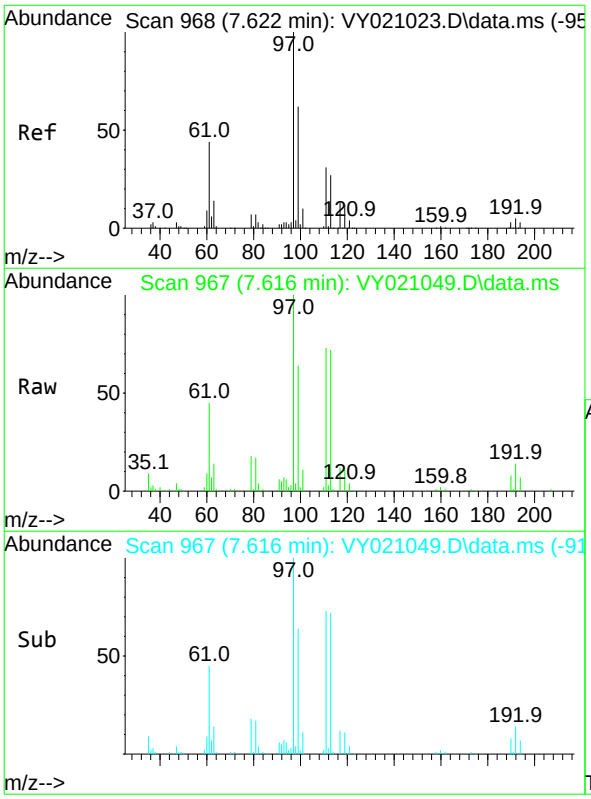
Ion	Ratio	Lower	Upper
56	100		
69	39.7	27.0	40.6
84	90.9	71.8	107.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

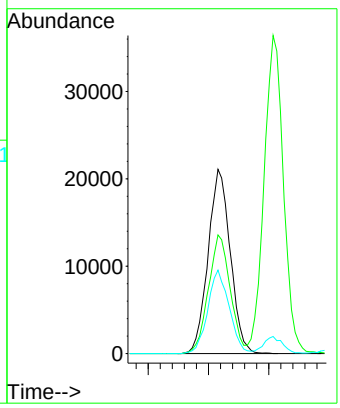
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

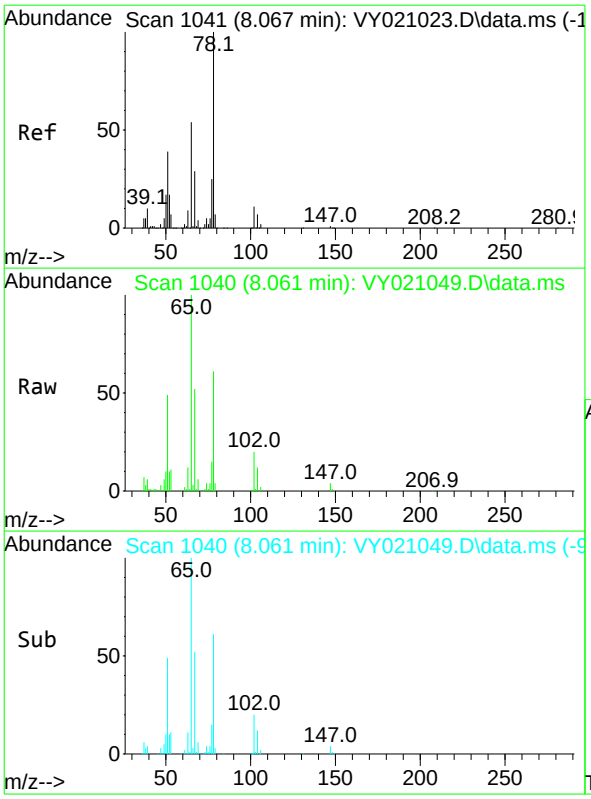


#32
1,1,1-Trichloroethane
Concen: 19.853 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 97 Resp: 53948

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.2	76.8
61	43.7	35.0	52.6

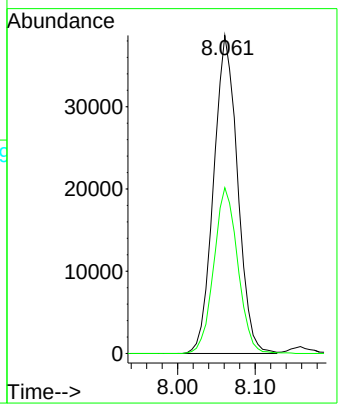




#33
1,2-Dichloroethane-d4
Concen: 55.234 ug/l
RT: 8.061 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 65 Resp: 82979

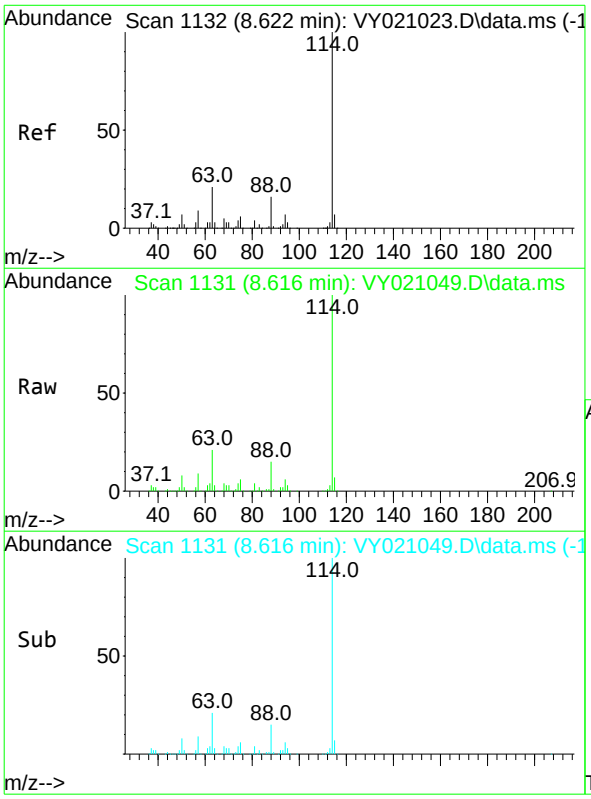
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

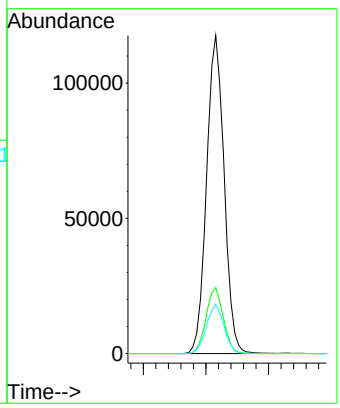
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

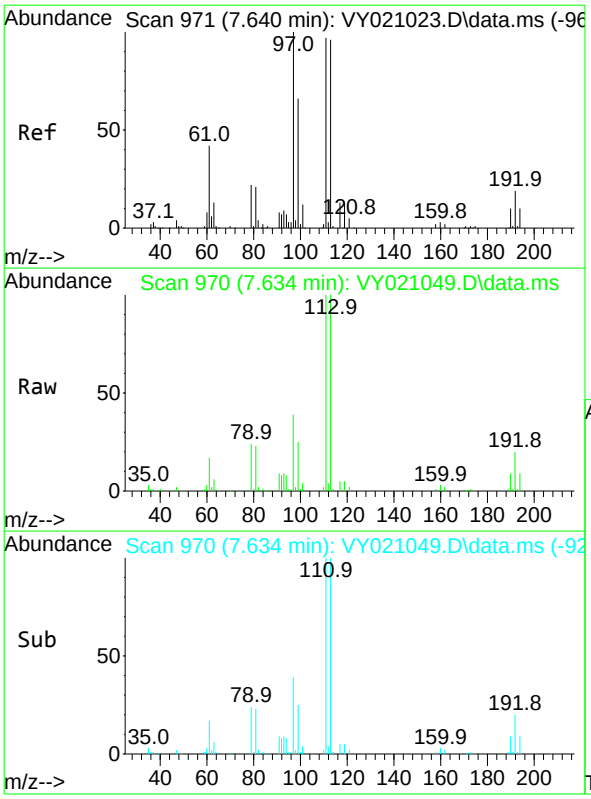


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:114 Resp: 228862

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	37.4
88	15.4	0.0	29.0

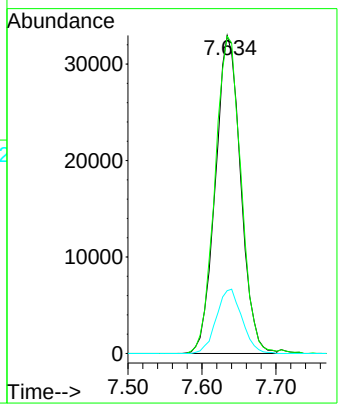




#35
Dibromofluoromethane
Concen: 53.261 ug/l
RT: 7.634 min Scan# 97
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:113 Resp: 78118

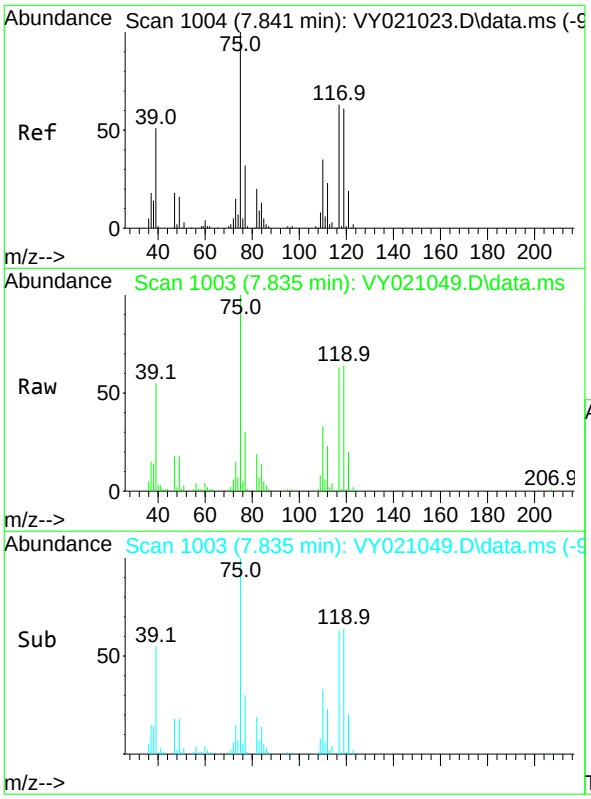
Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.8	125.6
192	20.5	14.5	21.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

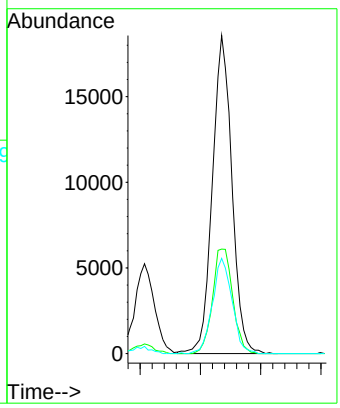
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

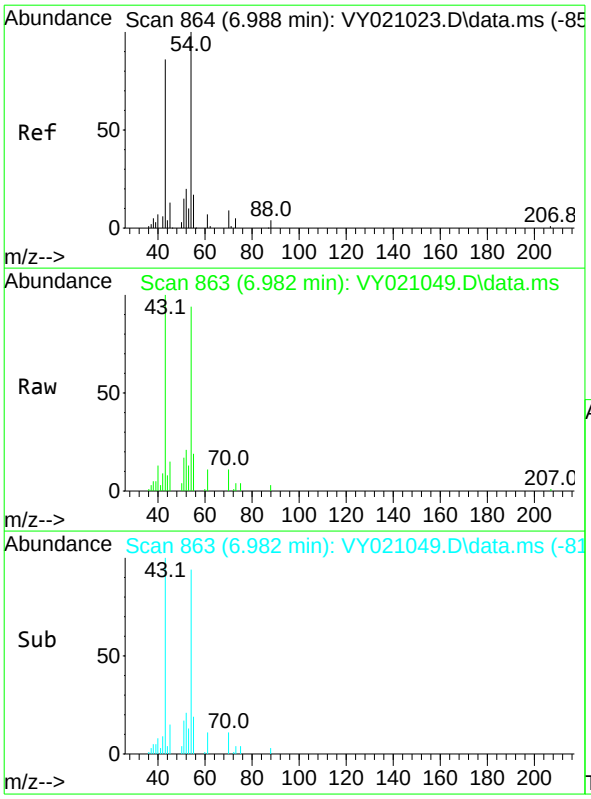


#36
1,1-Dichloropropene
Concen: 19.228 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 75 Resp: 41772

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.4	52.3
77	30.1	24.7	37.1

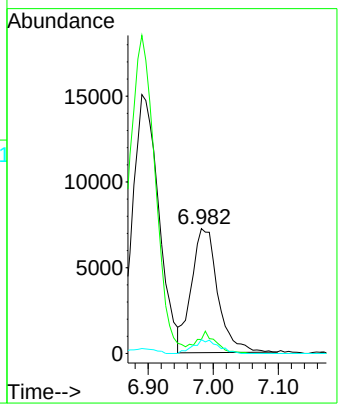




#37
Ethyl Acetate
Concen: 21.440 ug/l
RT: 6.982 min Scan# 86
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 43 Resp: 20433

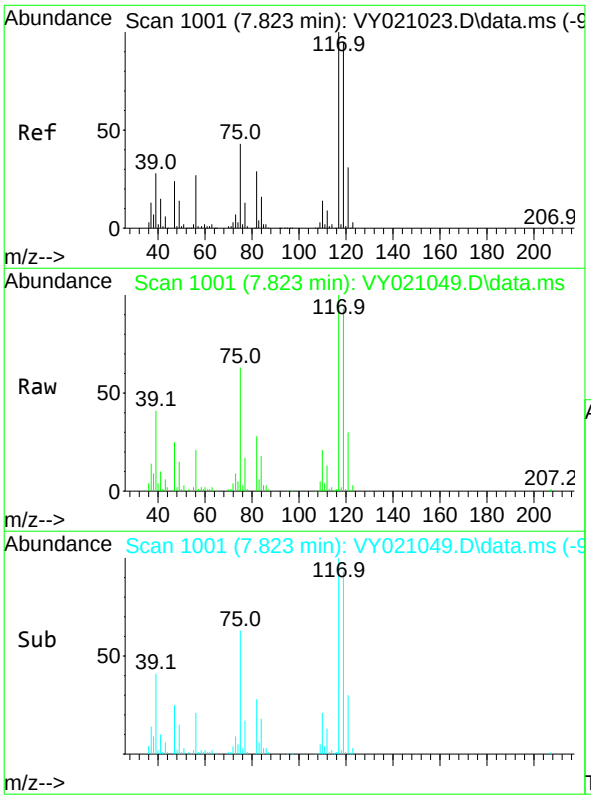
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.0	16.6
70	10.3	8.1	12.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

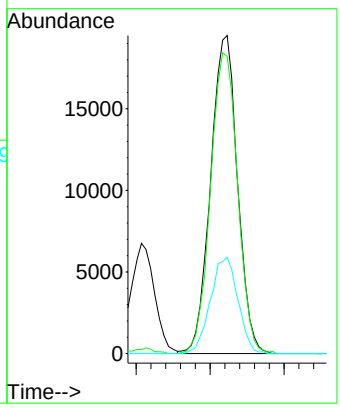
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

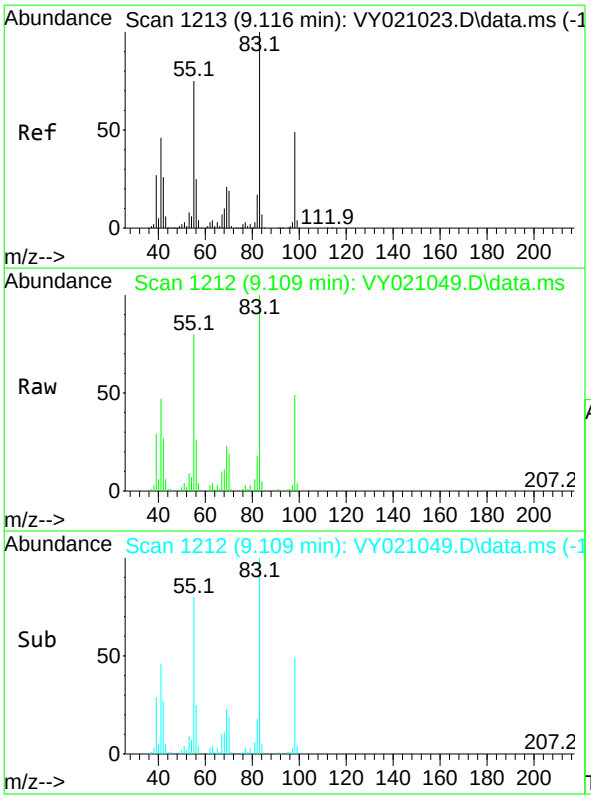


#38
Carbon Tetrachloride
Concen: 19.342 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:117 Resp: 49097

Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.0	114.0
121	30.2	24.2	36.2





#39
Methylcyclohexane
Concen: 18.508 ug/l
RT: 9.109 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

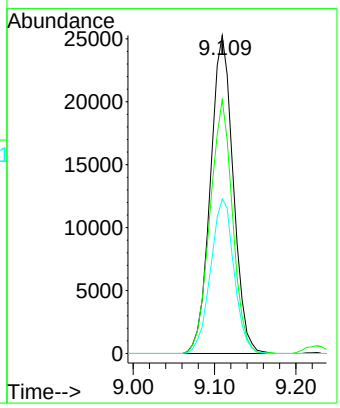
Tgt Ion: 83 Resp: 49181

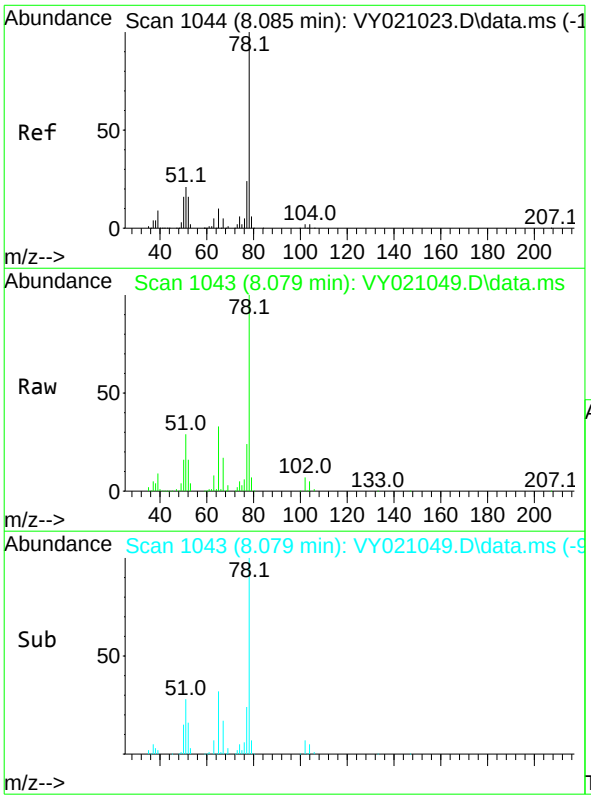
Ion	Ratio	Lower	Upper
83	100		
55	79.8	59.7	89.5
98	48.6	38.0	57.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

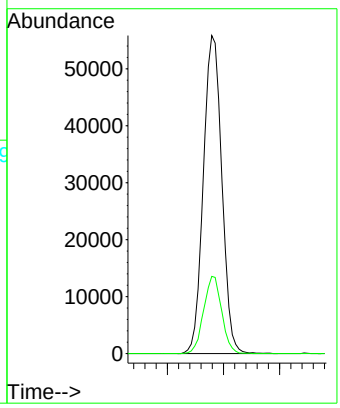


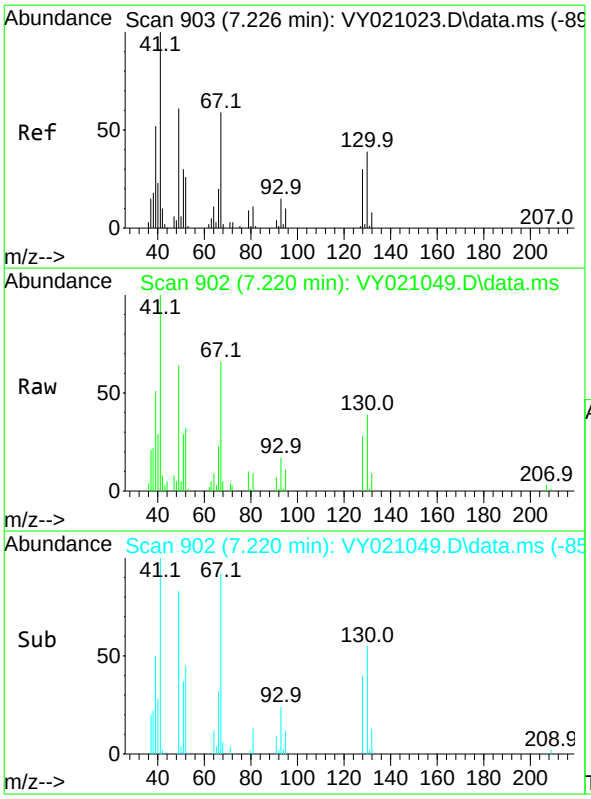


#40
Benzene
Concen: 20.011 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 78 Resp: 127577

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2

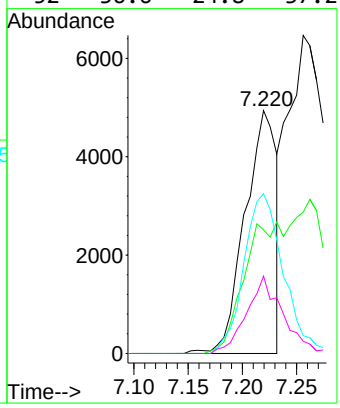




#41
Methacrylonitrile
Concen: 18.050 ug/l
RT: 7.220 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 41 Resp: 9952

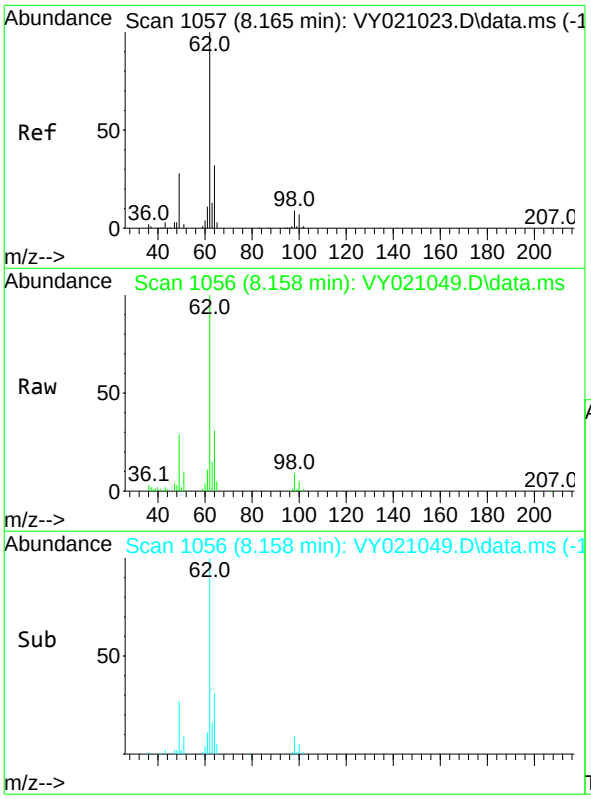
Ion	Ratio	Lower	Upper
41	100		
39	48.4	41.9	62.9
67	83.2	59.8	89.6
52	36.6	24.8	37.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

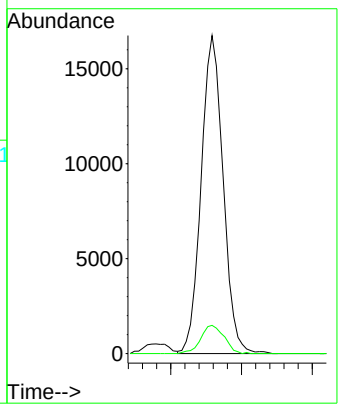
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

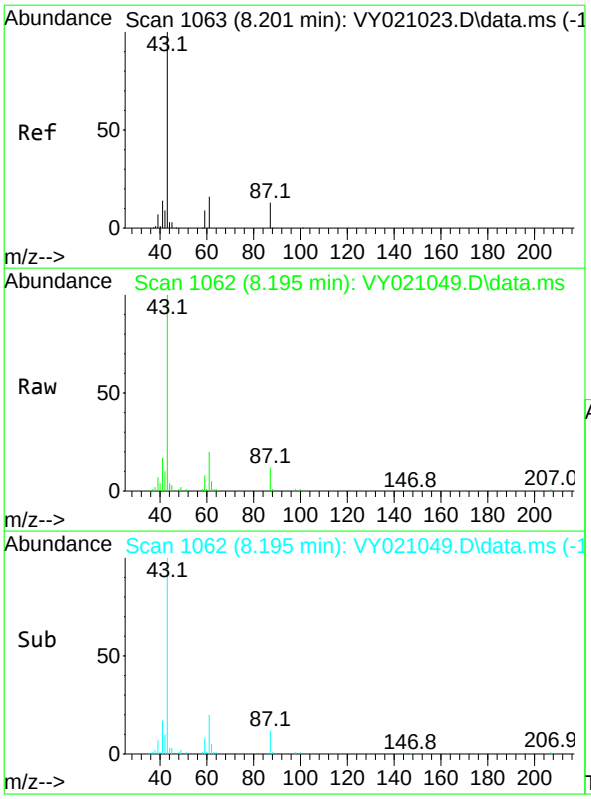


#42
1,2-Dichloroethane
Concen: 20.435 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 62 Resp: 36140

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.2

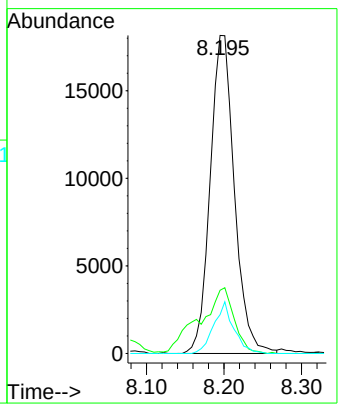




#43
Isopropyl Acetate
Concen: 20.867 ug/l
RT: 8.195 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 43 Resp: 39516

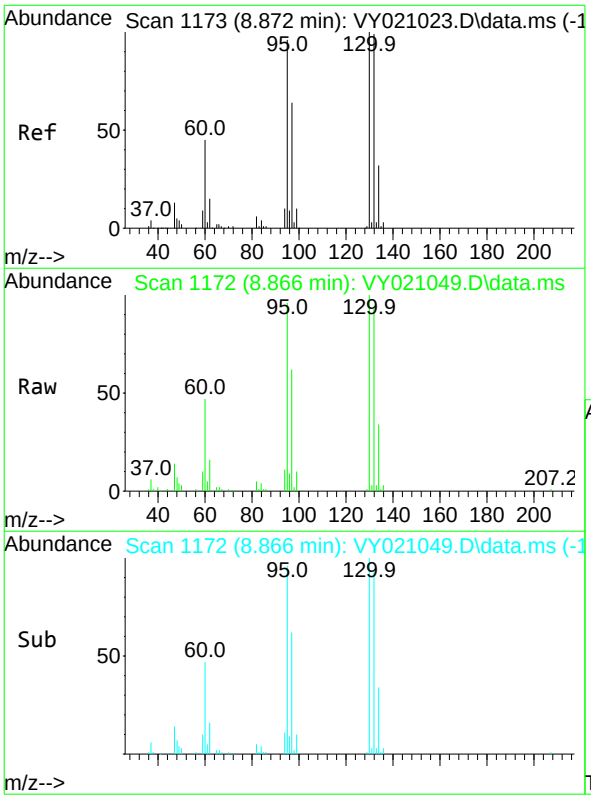
Ion	Ratio	Lower	Upper
43	100		
61	29.5	24.8	37.2
87	13.4	10.7	16.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

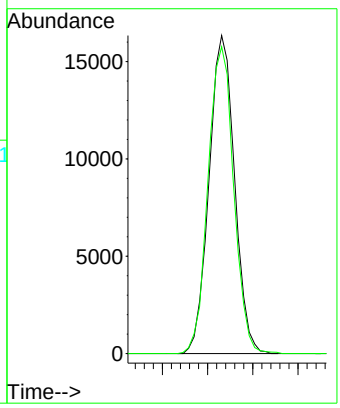
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

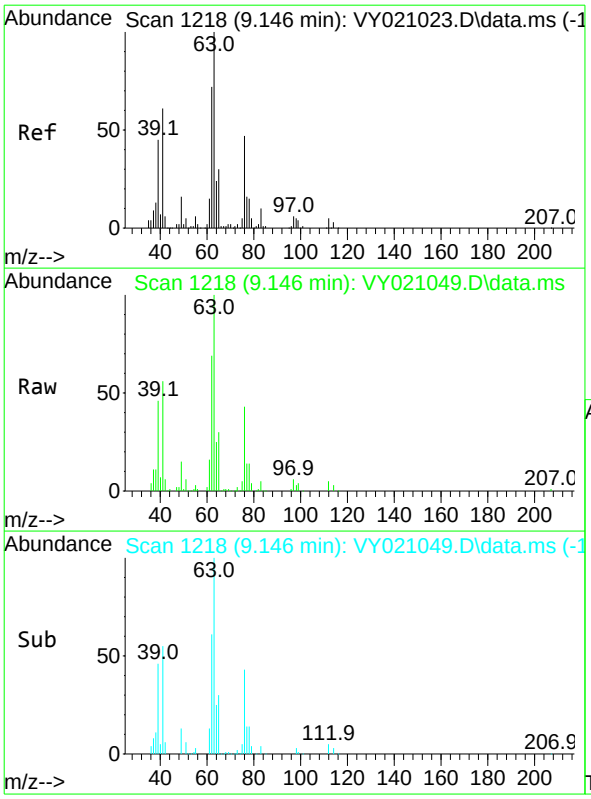


#44
Trichloroethene
Concen: 19.434 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:130 Resp: 32010

Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	203.8

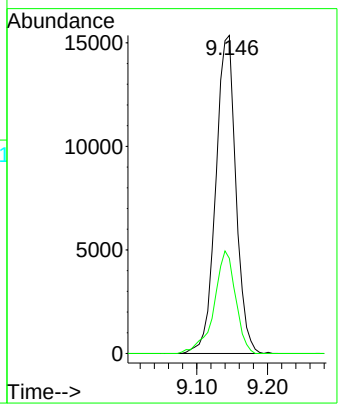




#45
1,2-Dichloropropane
Concen: 20.050 ug/l
RT: 9.146 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 63 Resp: 30339

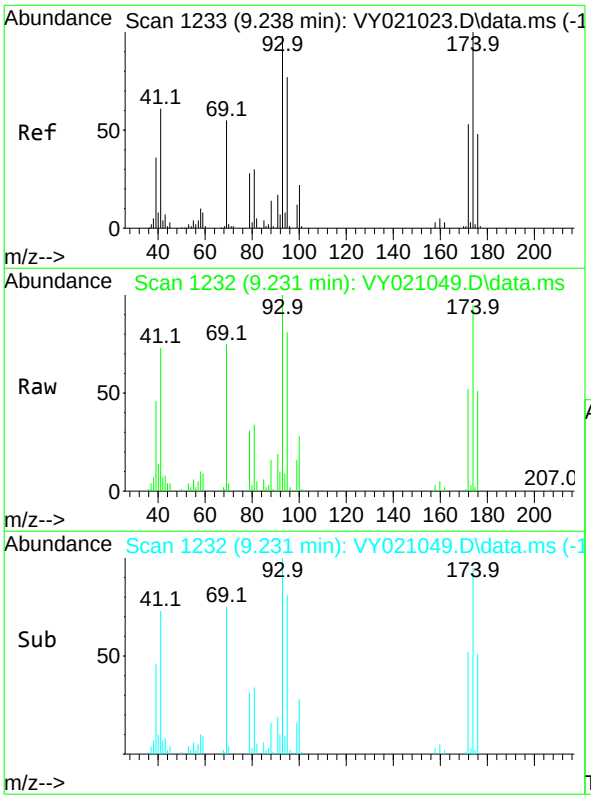
Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
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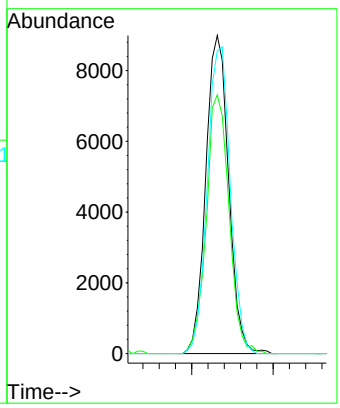
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

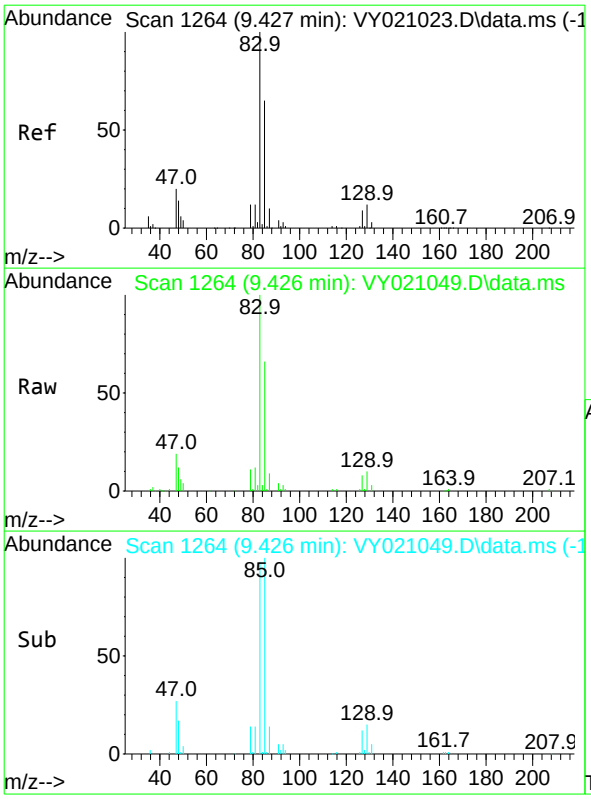


#46
Dibromomethane
Concen: 20.920 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 93 Resp: 17527

Ion	Ratio	Lower	Upper
93	100		
95	80.9	66.6	99.8
174	97.3	73.8	110.6

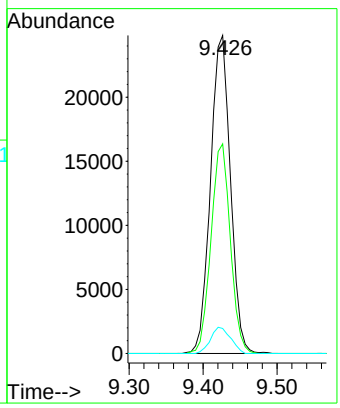




#47
Bromodichloromethane
Concen: 20.646 ug/l
RT: 9.426 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 83 Resp: 46392

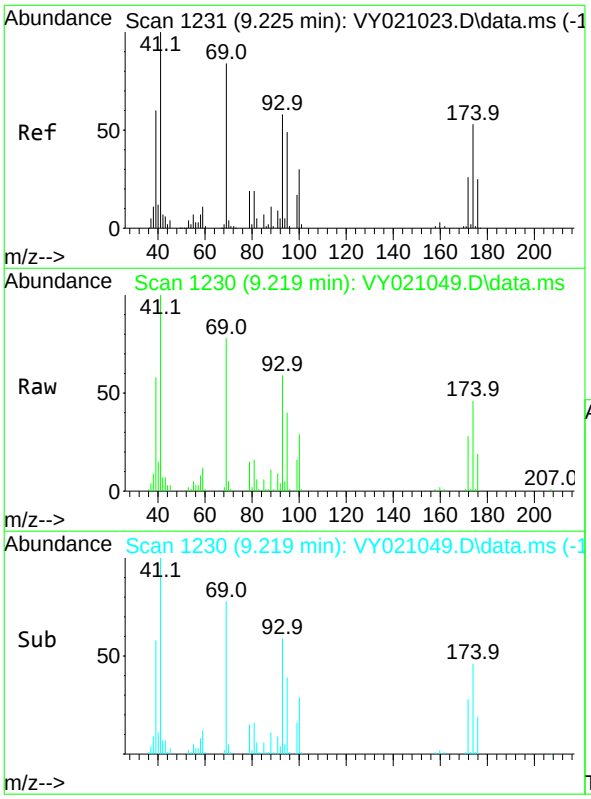
Ion	Ratio	Lower	Upper
83	100		
85	65.9	53.2	79.8
127	7.9	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

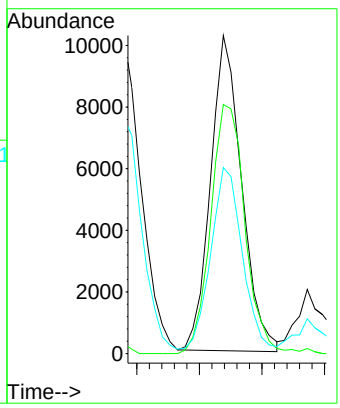
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

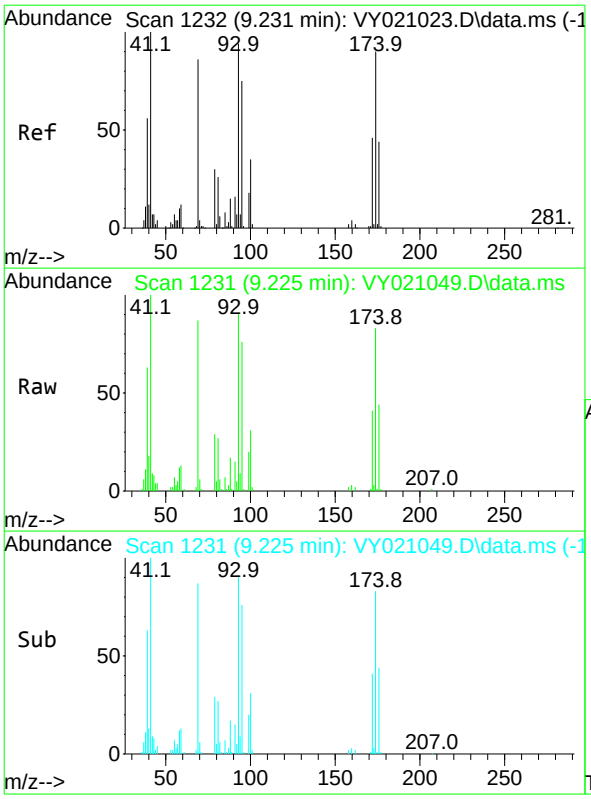


#48
Methyl methacrylate
Concen: 20.513 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 41 Resp: 17694

Ion	Ratio	Lower	Upper
41	100		
69	87.1	72.1	108.1
39	61.2	42.8	64.2





#49
1,4-Dioxane
Concen: 444.260 ug/l
RT: 9.225 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

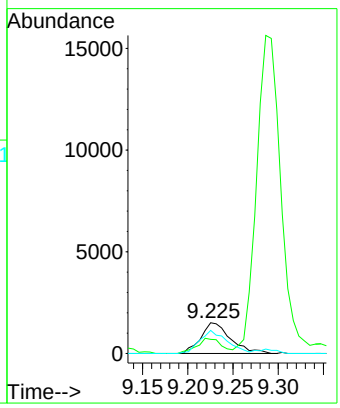
Tgt Ion: 88 Resp: 3465

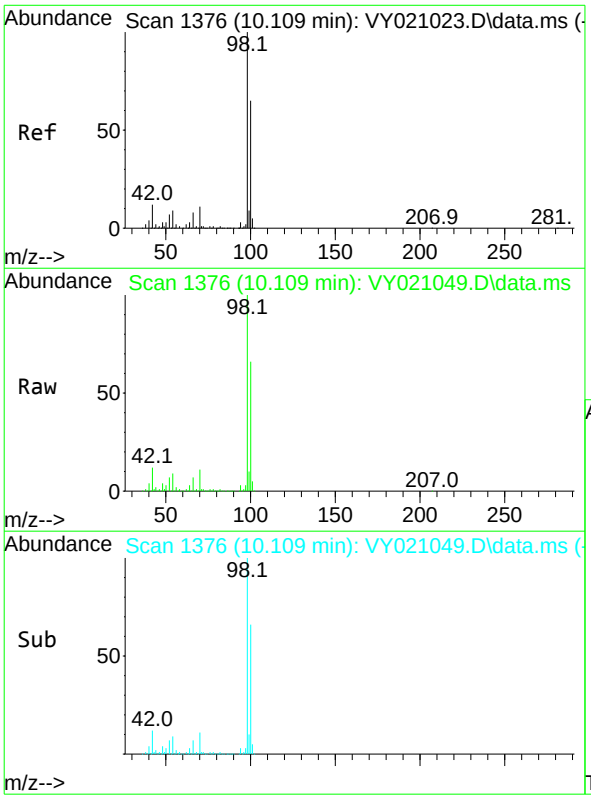
Ion	Ratio	Lower	Upper
88	100		
43	41.2	28.2	42.4
58	68.7	52.2	78.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

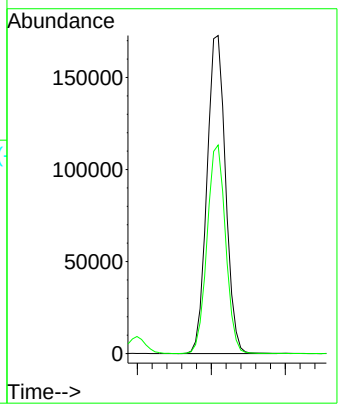


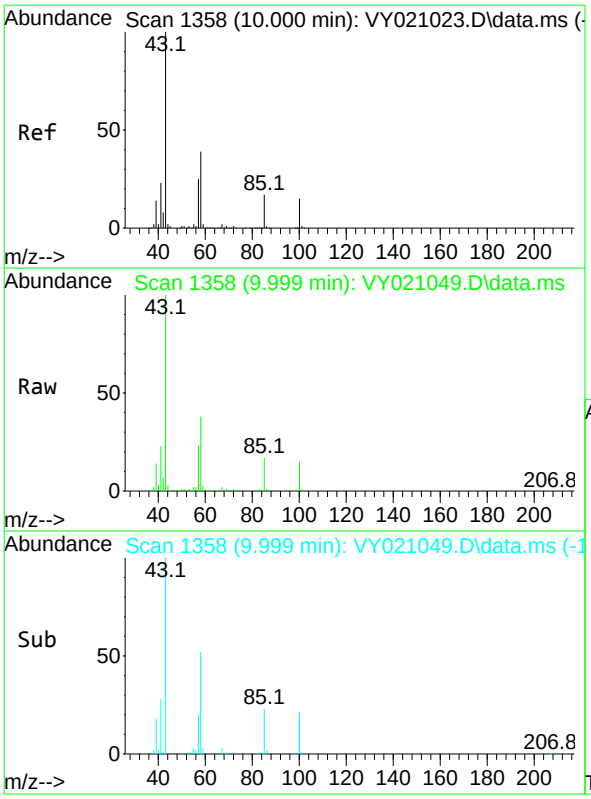


#50
Toluene-d8
Concen: 53.947 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 98 Resp: 301231

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5

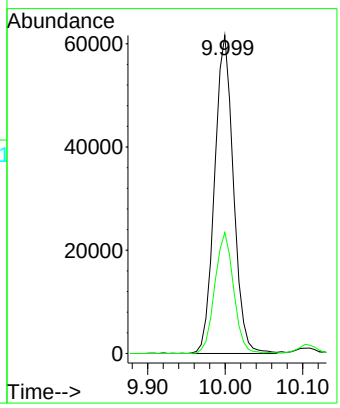




#51
4-Methyl-2-Pentanone
Concen: 109.666 ug/l
RT: 9.999 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 43 Resp: 104432

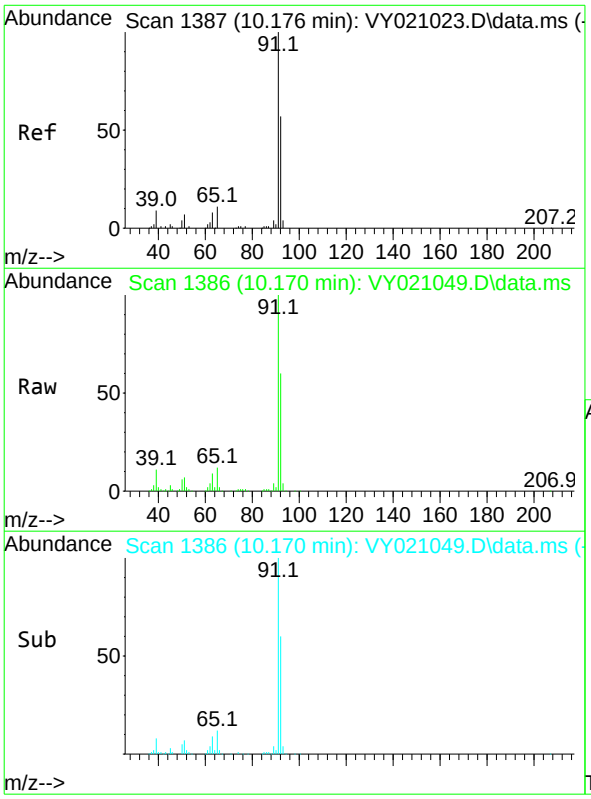
Ion	Ratio	Lower	Upper
43	100		
58	38.0	32.2	48.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

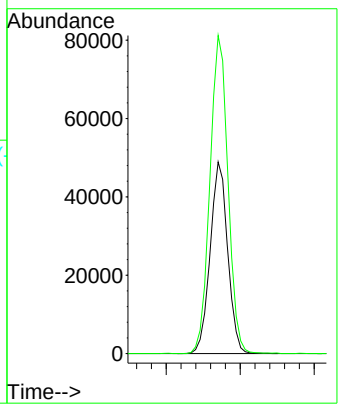
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

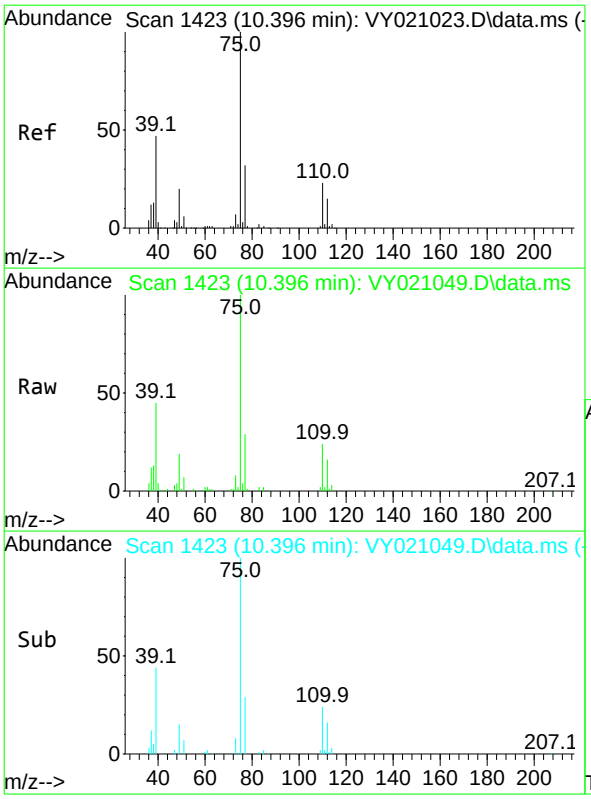


#52
Toluene
Concen: 20.067 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 92 Resp: 80328

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.6	206.4





#53
t-1,3-Dichloropropene
Concen: 20.250 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

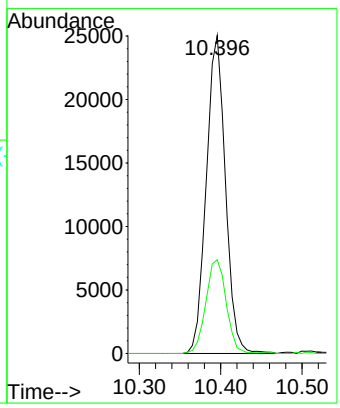
Tgt Ion: 75 Resp: 40857

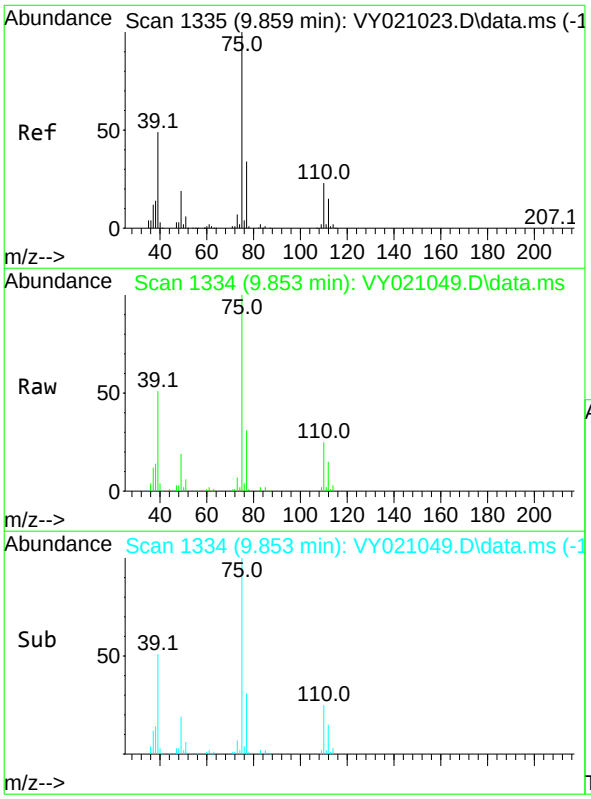
Ion	Ratio	Lower	Upper
75	100		
77	29.5	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

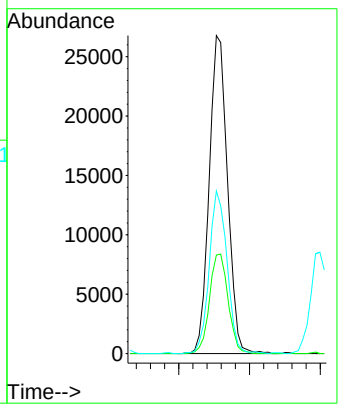


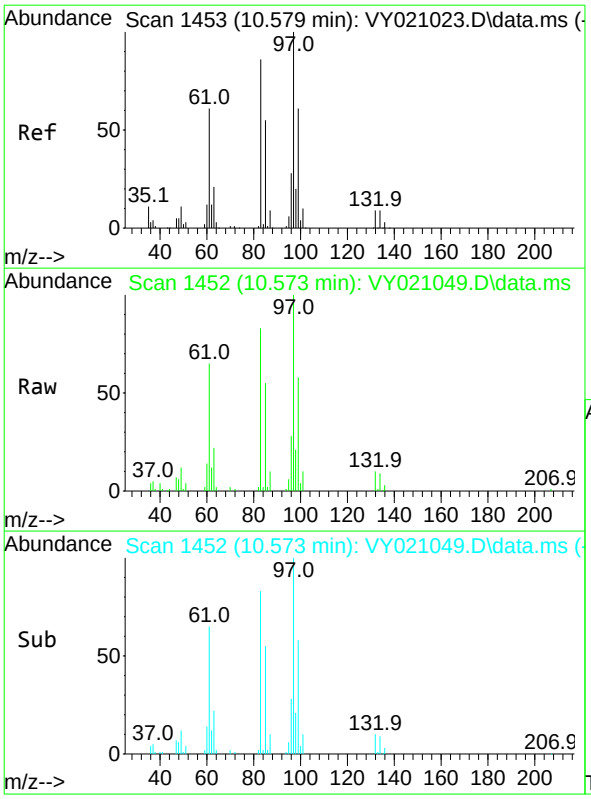


#54
cis-1,3-Dichloropropene
Concen: 20.138 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 75 Resp: 48108

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	36.8
39	51.1	33.6	50.4#

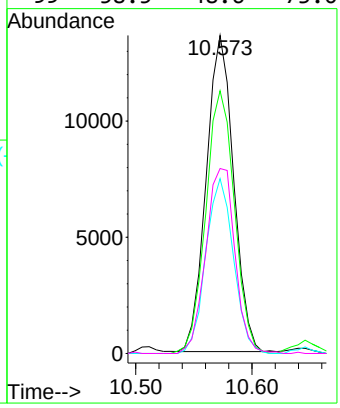




#55
1,1,2-Trichloroethane
Concen: 20.514 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 97 Resp: 22256

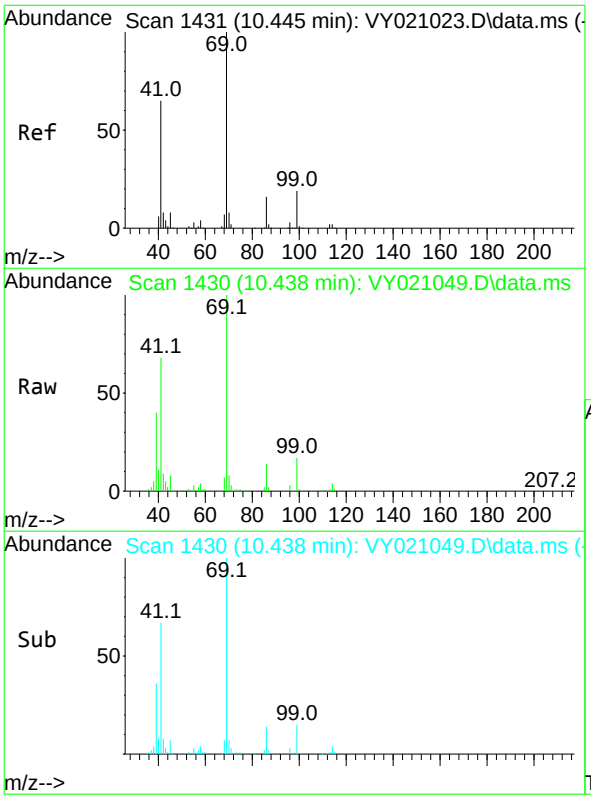
Ion	Ratio	Lower	Upper
97	100		
83	83.1	69.4	104.2
85	55.3	43.9	65.9
99	58.5	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

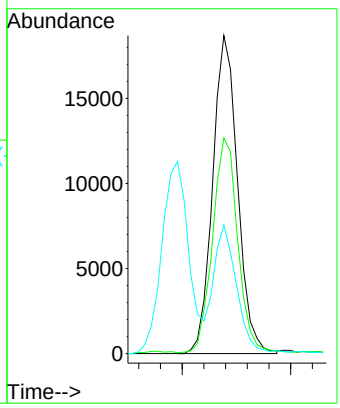
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

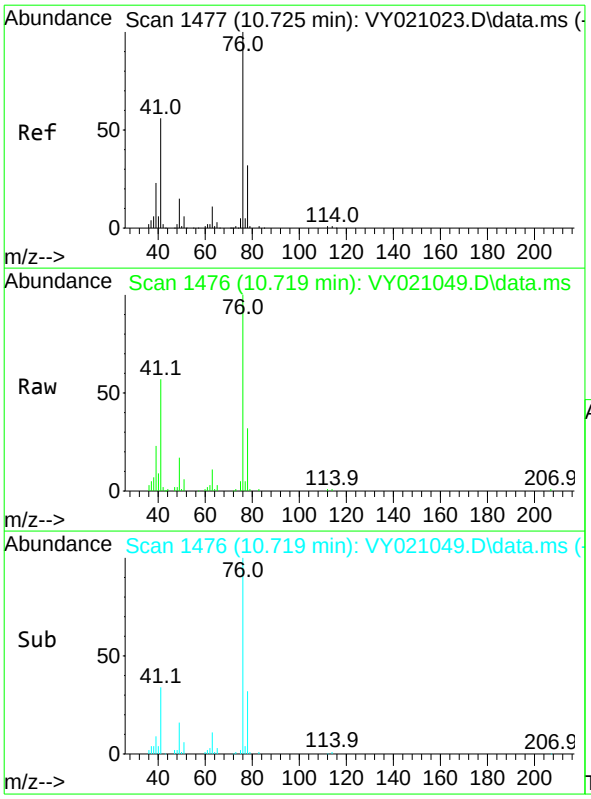


#56
Ethyl methacrylate
Concen: 20.528 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 69 Resp: 29794

Ion	Ratio	Lower	Upper
69	100		
41	68.2	49.2	73.8
39	36.4	26.8	40.2

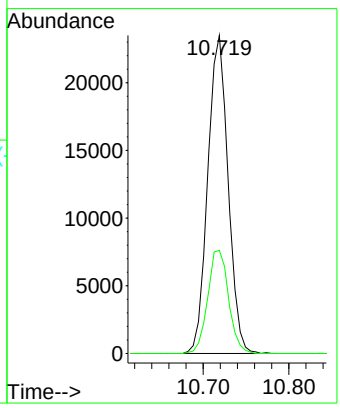




#57
1,3-Dichloropropane
Concen: 20.615 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 76 Resp: 38712

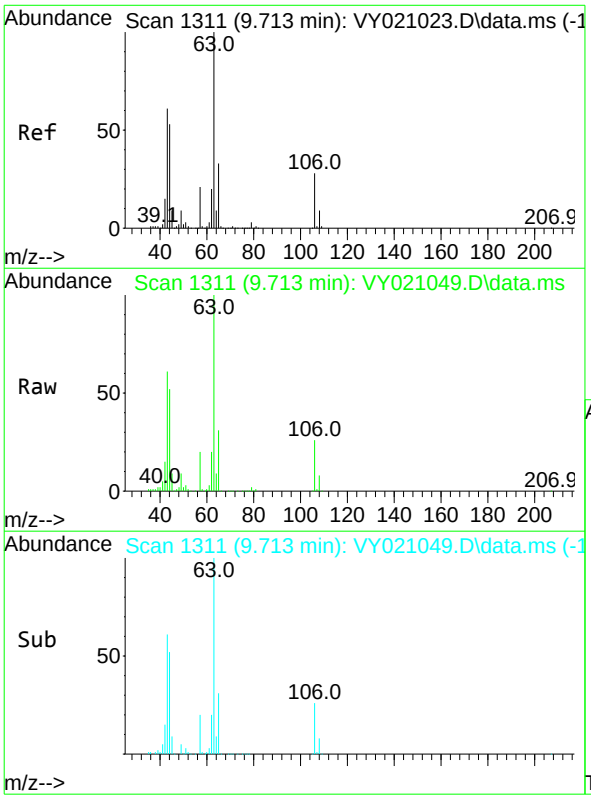
Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
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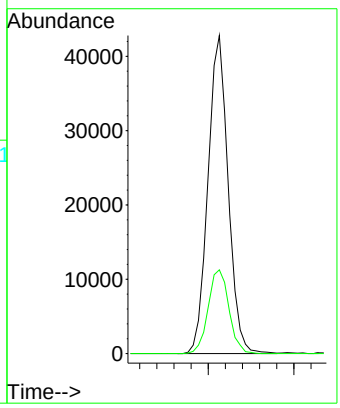
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

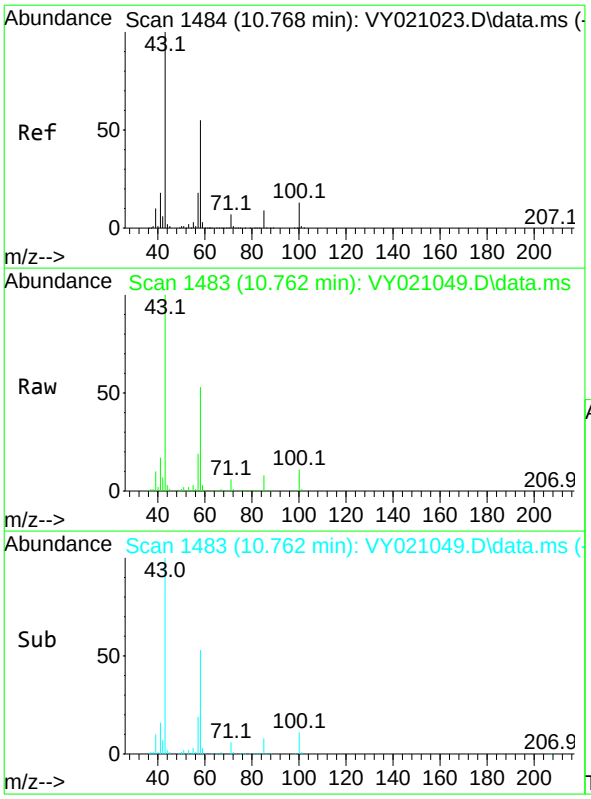


#58
2-Chloroethyl Vinyl ether
Concen: 101.468 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 63 Resp: 70063

Ion	Ratio	Lower	Upper
63	100		
106	27.1	22.4	33.6

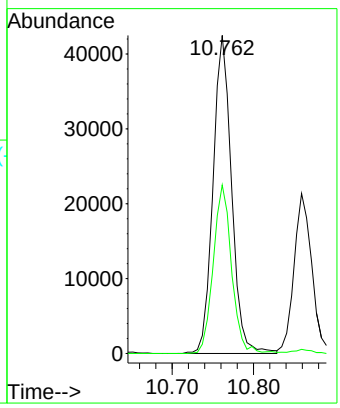




#59
2-Hexanone
Concen: 109.642 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 43 Resp: 67225

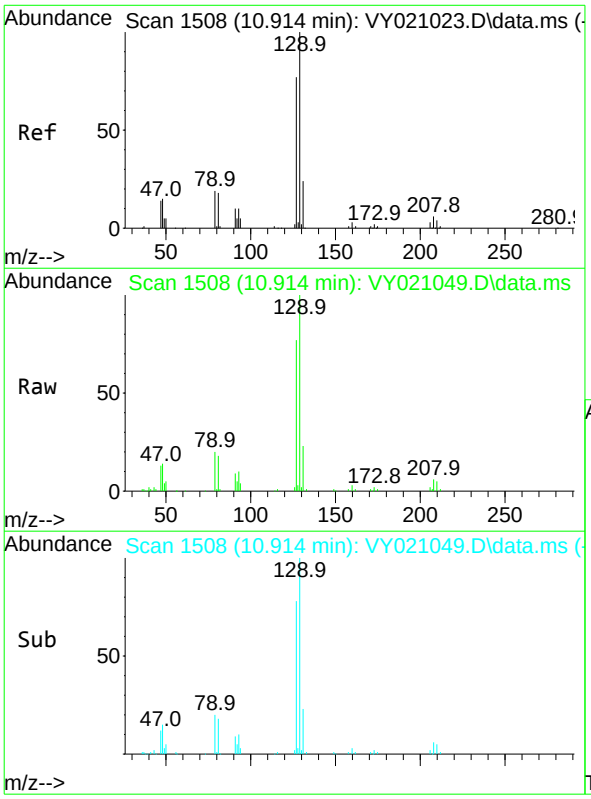
Ion	Ratio	Lower	Upper
43	100		
58	52.5	28.1	84.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
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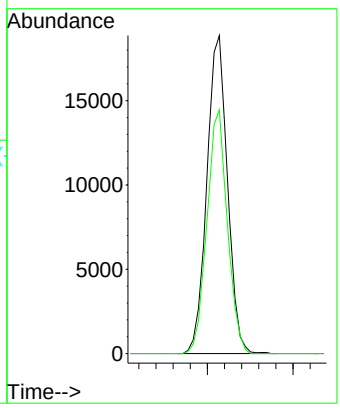
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

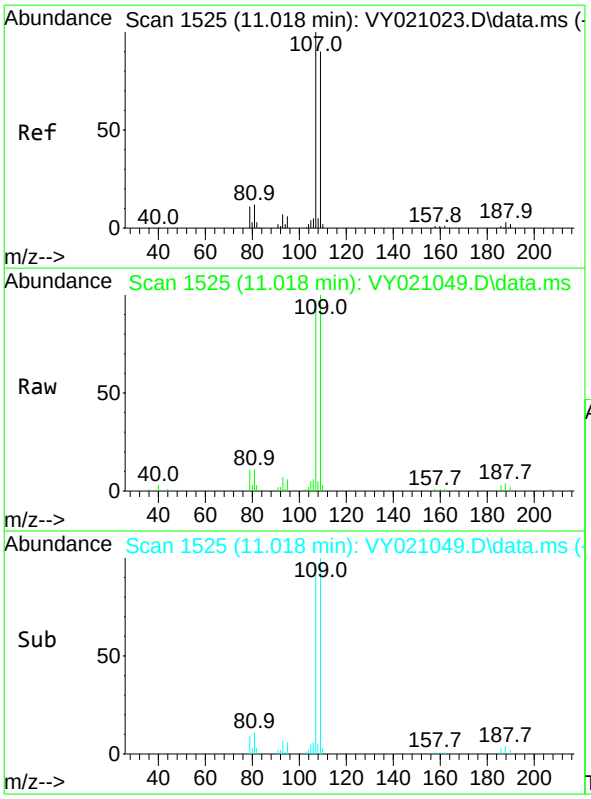


#60
Dibromochloromethane
Concen: 20.667 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:129 Resp: 31488

Ion	Ratio	Lower	Upper
129	100		
127	75.9	39.2	117.6





#61
1,2-Dibromoethane
Concen: 20.109 ug/l
RT: 11.018 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

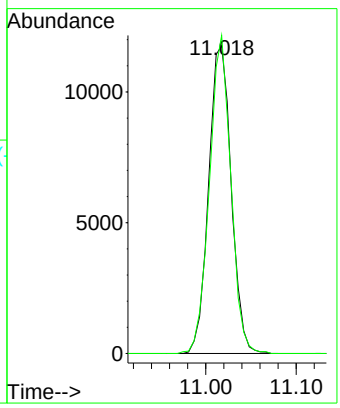
Tgt Ion:107 Resp: 20435

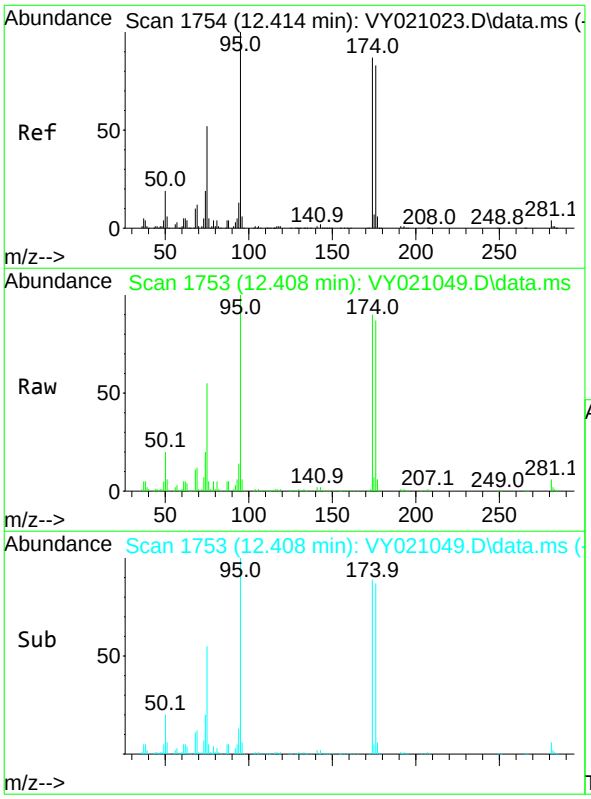
Ion	Ratio	Lower	Upper
107	100		
109	97.9	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

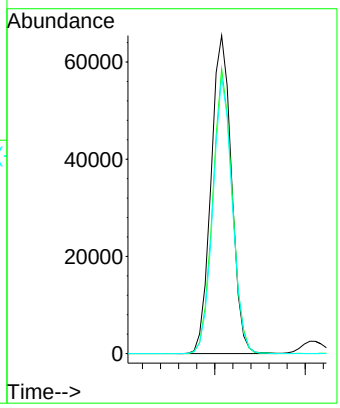


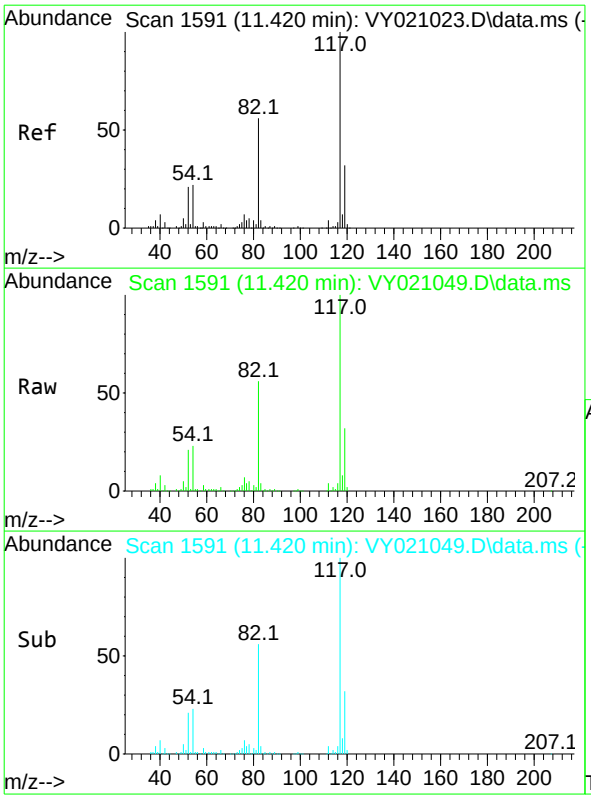


#62
4-Bromofluorobenzene
Concen: 56.291 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 95 Resp: 102686

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	160.0
176	82.4	0.0	151.8

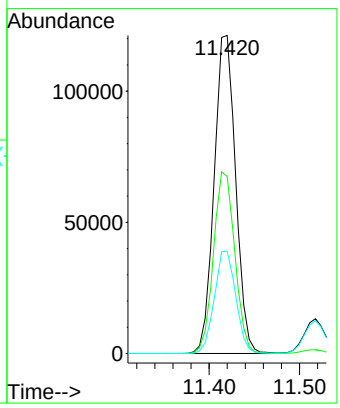




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:117 Resp: 199914

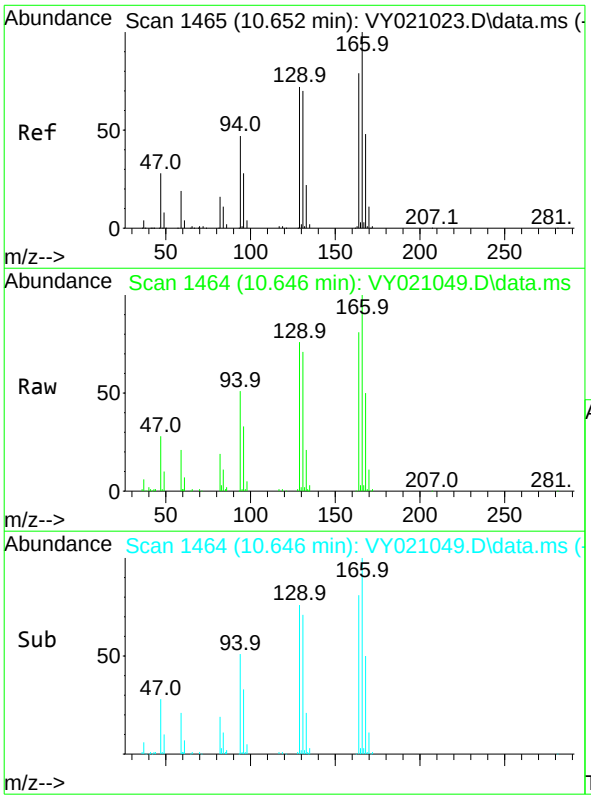
Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.8	65.8
119	32.2	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

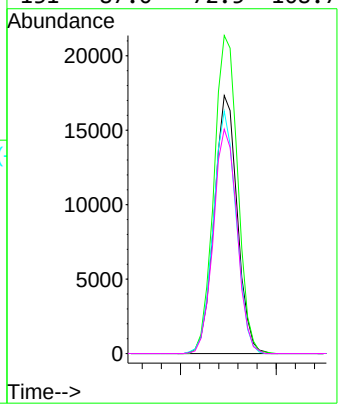
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

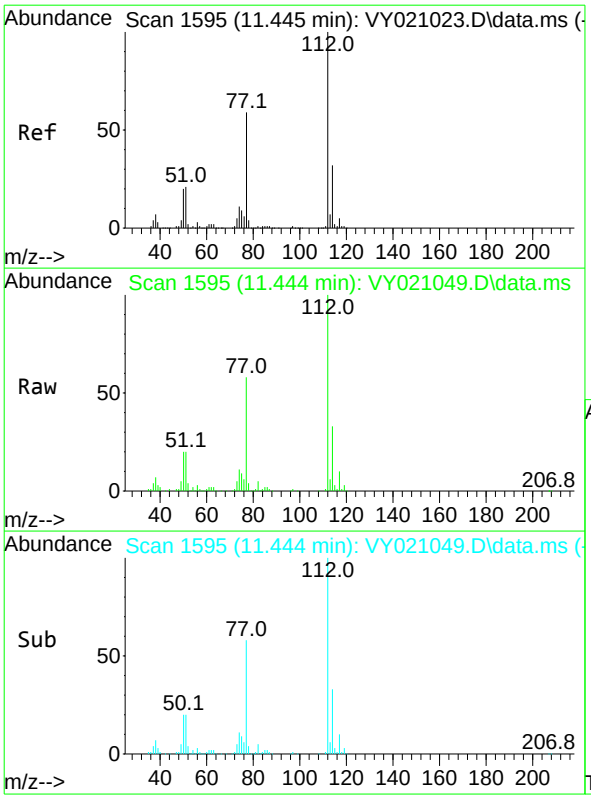


#64
Tetrachloroethene
Concen: 19.582 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:164 Resp: 29061

Ion	Ratio	Lower	Upper
164	100		
166	123.3	98.8	148.2
129	93.9	78.9	118.3
131	87.0	72.5	108.7

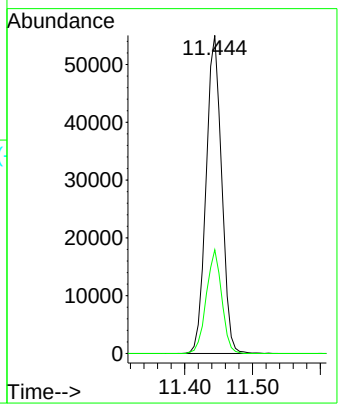




#65
Chlorobenzene
Concen: 19.680 ug/l
RT: 11.444 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:112 Resp: 87602

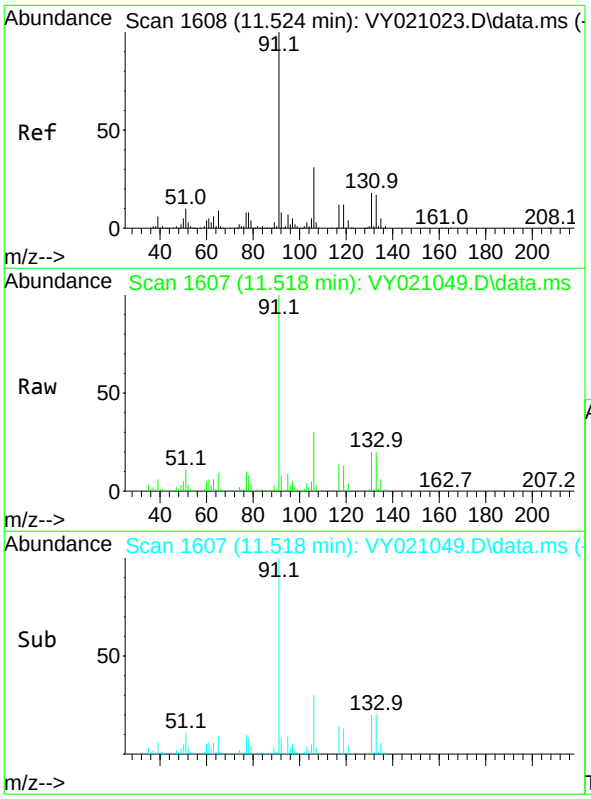
Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

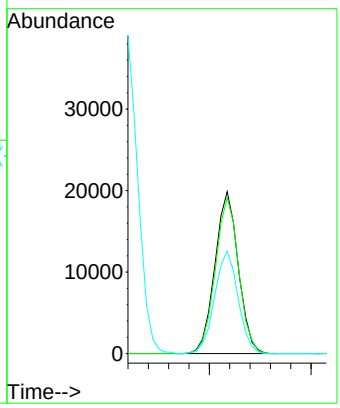
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

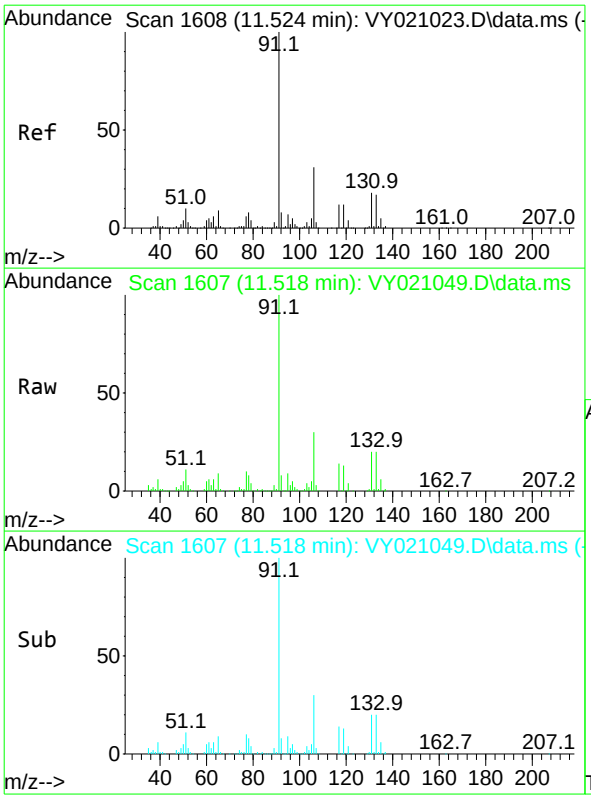


#66
1,1,1,2-Tetrachloroethane
Concen: 20.027 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:131 Resp: 31681

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.0	141.0
119	63.5	33.3	99.9

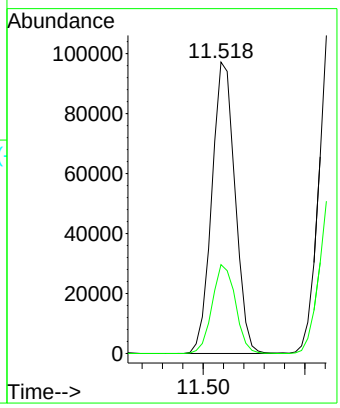




#67
Ethyl Benzene
Concen: 19.594 ug/l
RT: 11.518 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 91 Resp: 154275

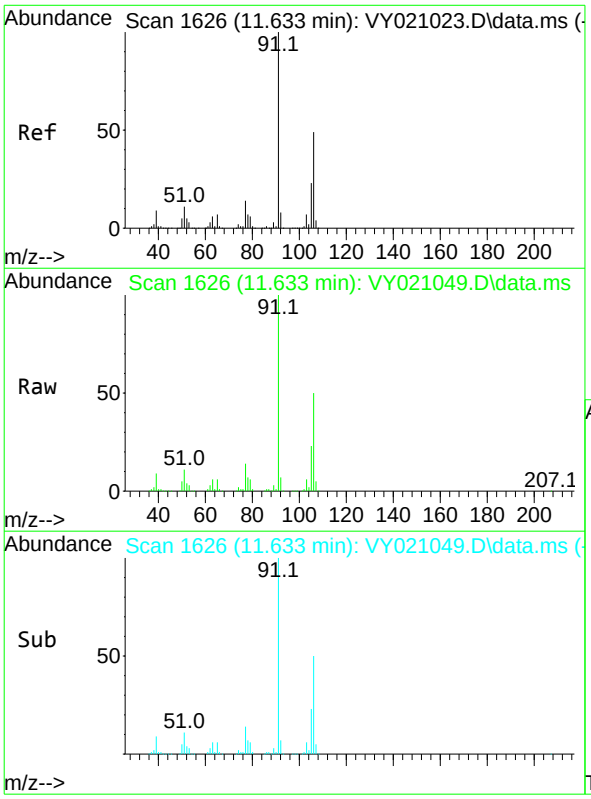
Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

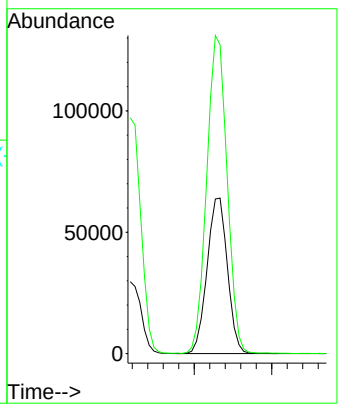
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

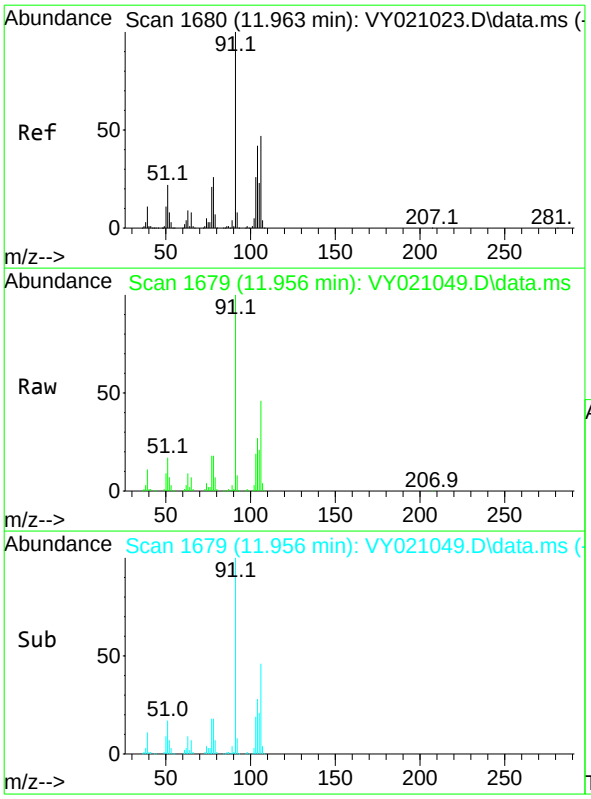


#68
m/p-Xylenes
Concen: 39.693 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:106 Resp: 116912

Ion	Ratio	Lower	Upper
106	100		
91	205.4	160.7	241.1

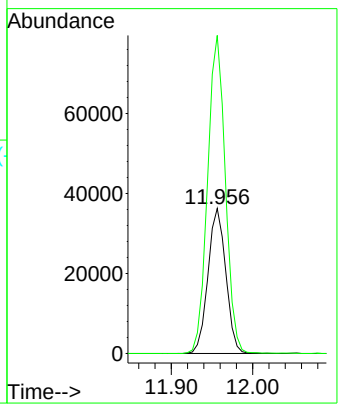




#69
o-Xylene
Concen: 20.100 ug/l
RT: 11.956 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:106 Resp: 55196

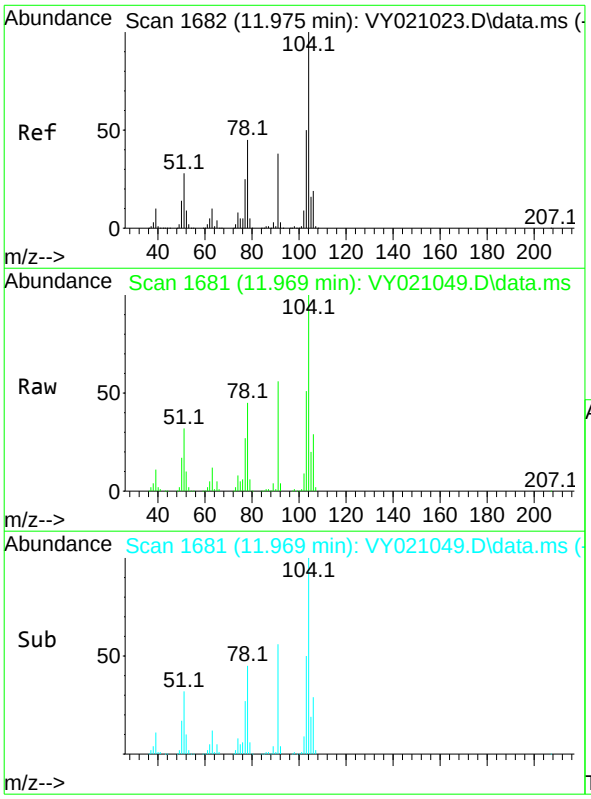
Ion	Ratio	Lower	Upper
106	100		
91	218.3	106.5	319.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

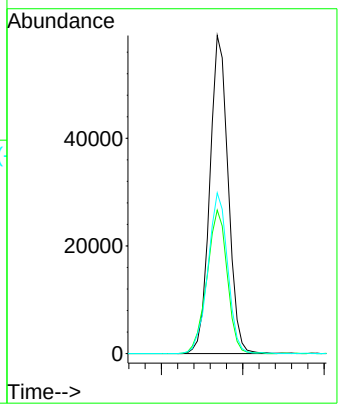
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

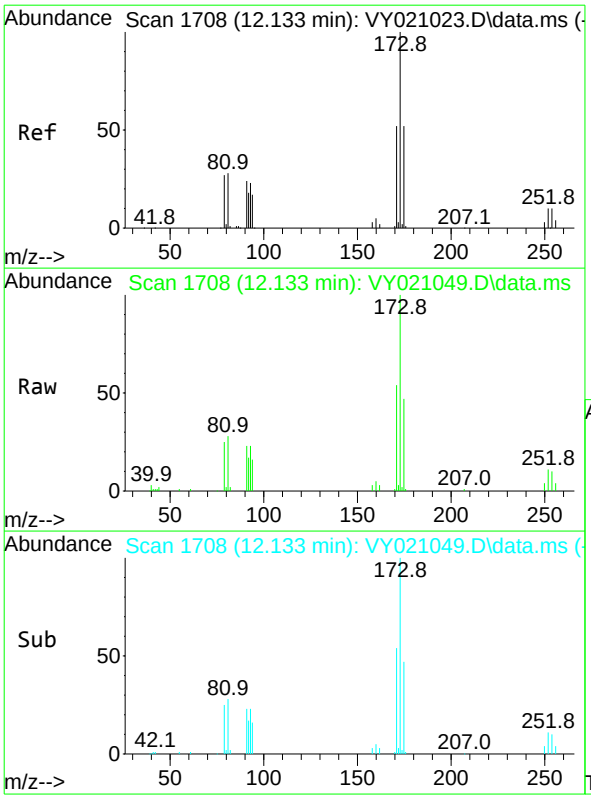


#70
Styrene
Concen: 20.249 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:104 Resp: 92679

Ion	Ratio	Lower	Upper
104	100		
78	49.9	39.2	58.8
103	54.4	43.8	65.6

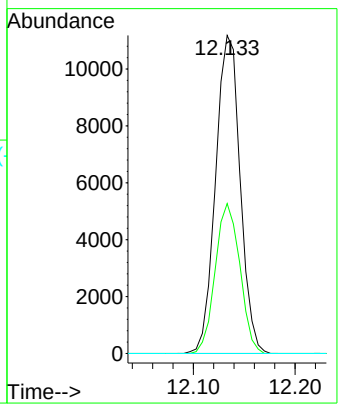




#71
Bromoform
Concen: 21.309 ug/l
RT: 12.133 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:173 Resp: 18763

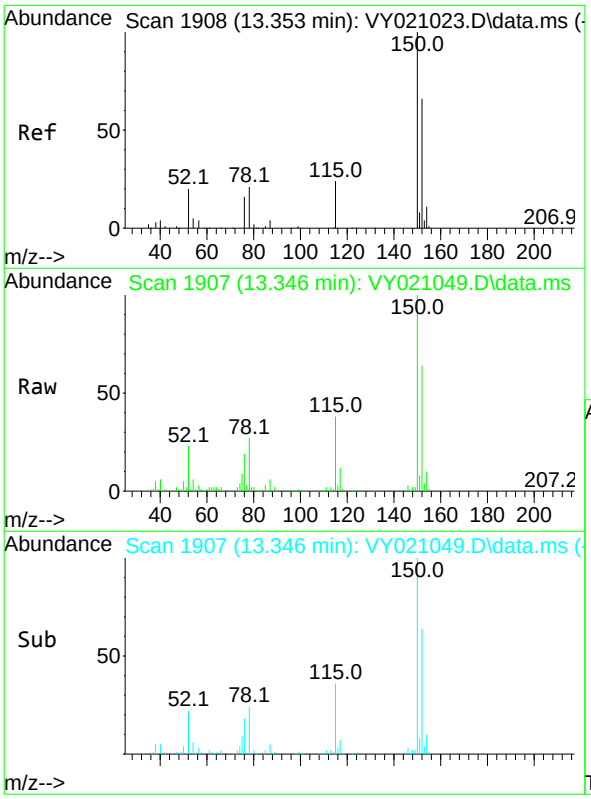
Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

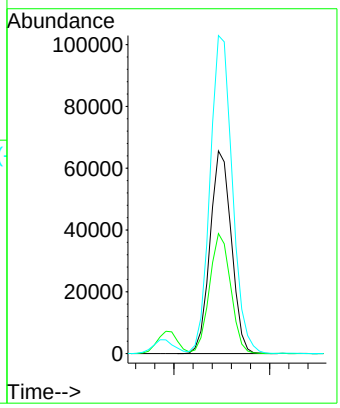
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

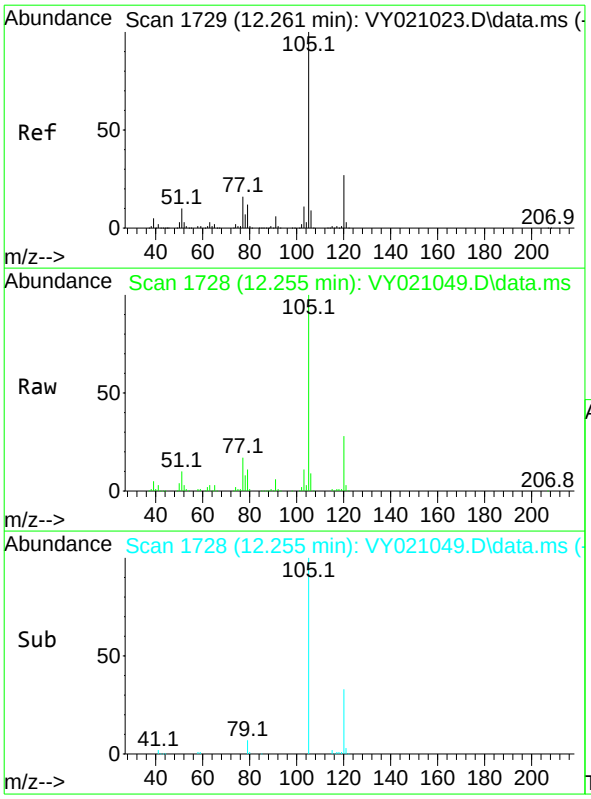


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:152 Resp: 101483

Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.0	90.0
150	164.0	0.0	344.6

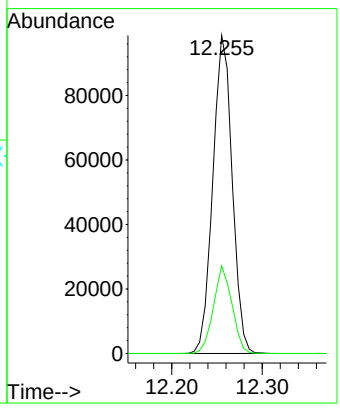




#73
Isopropylbenzene
Concen: 18.529 ug/l
RT: 12.255 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:105 Resp: 146884

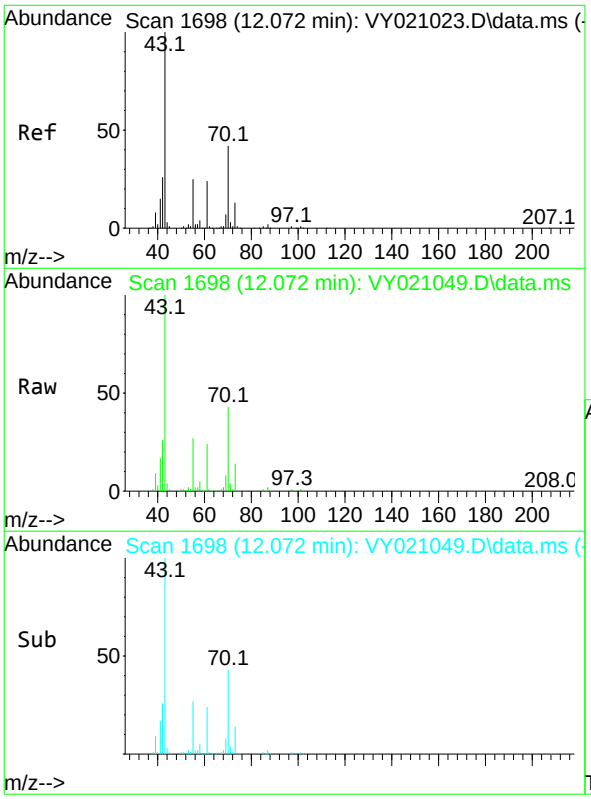
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

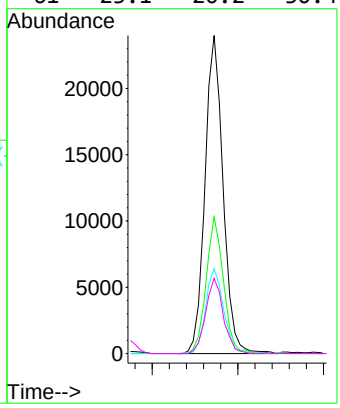
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

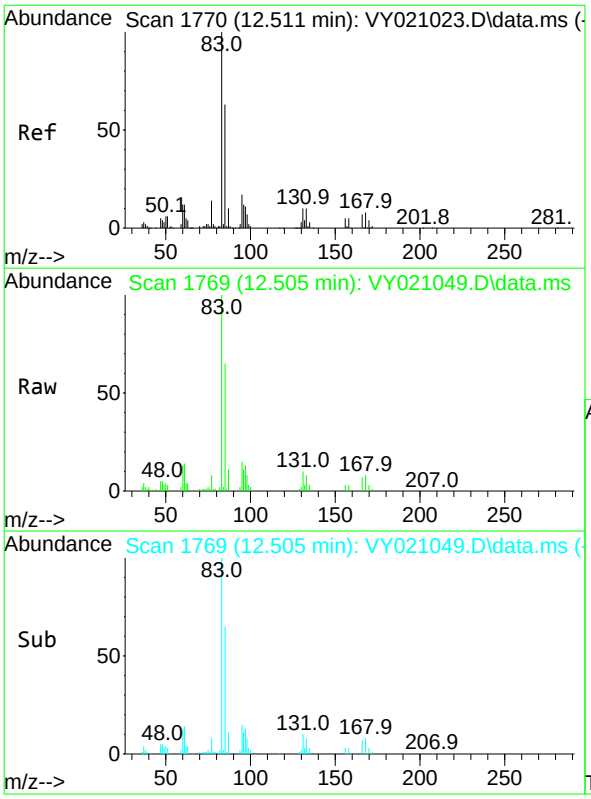


#74
N-amyl acetate
Concen: 20.311 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 43 Resp: 35202

Ion	Ratio	Lower	Upper
43	100		
70	41.0	36.6	55.0
55	26.4	22.2	33.4
61	23.1	20.2	30.4

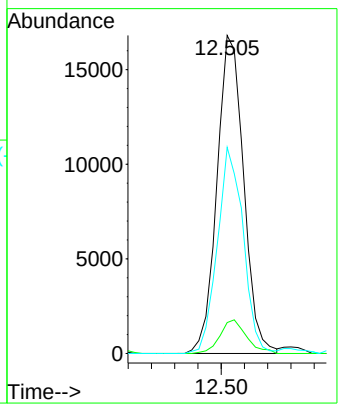




#75
1,1,2,2-Tetrachloroethane
Concen: 20.315 ug/l
RT: 12.505 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 83 Resp: 26783

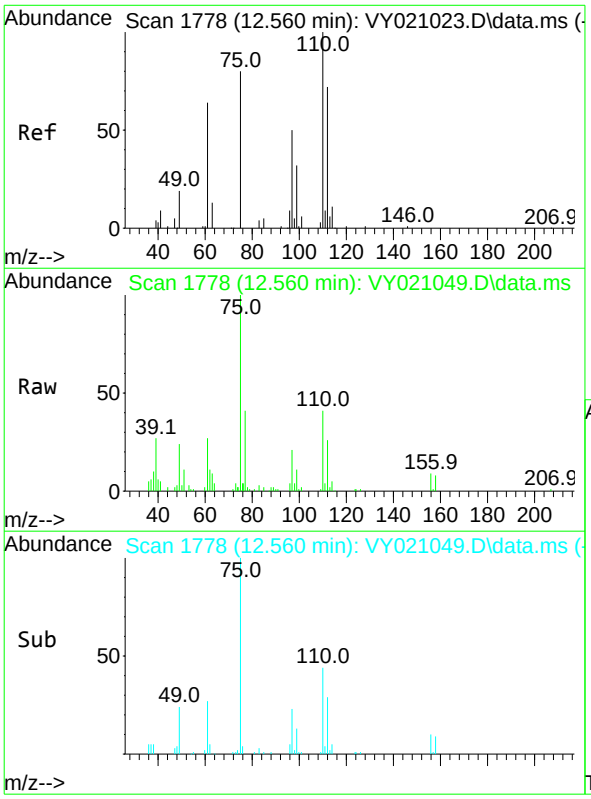
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.6
85	62.7	32.6	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

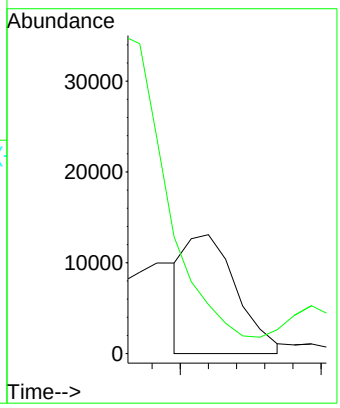
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

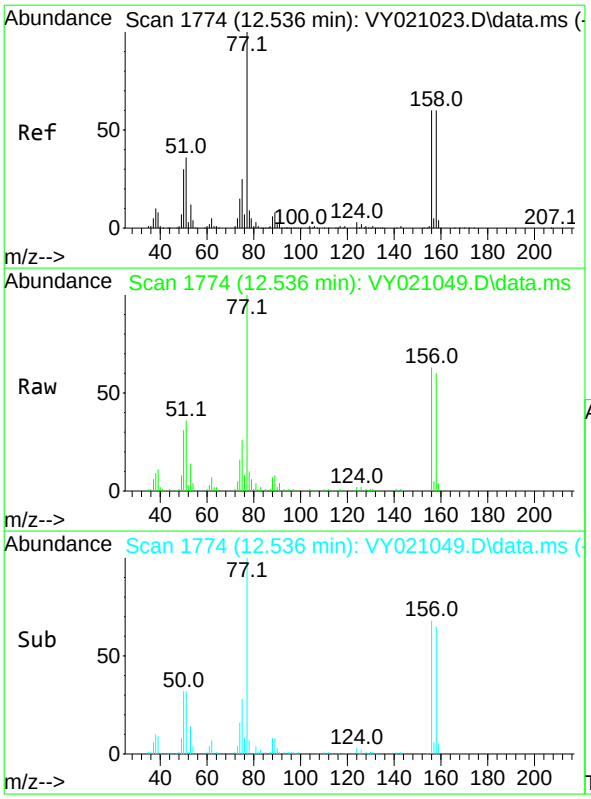


#76
1,2,3-Trichloropropane
Concen: 17.943 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 75 Resp: 16518

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

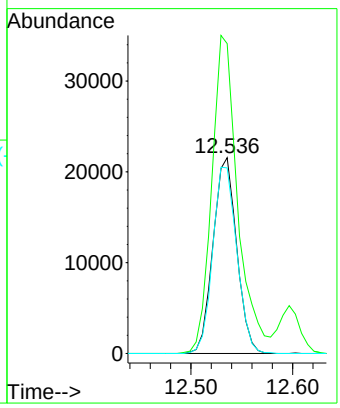




#77
Bromobenzene
Concen: 19.037 ug/l
RT: 12.536 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:156 Resp: 34826

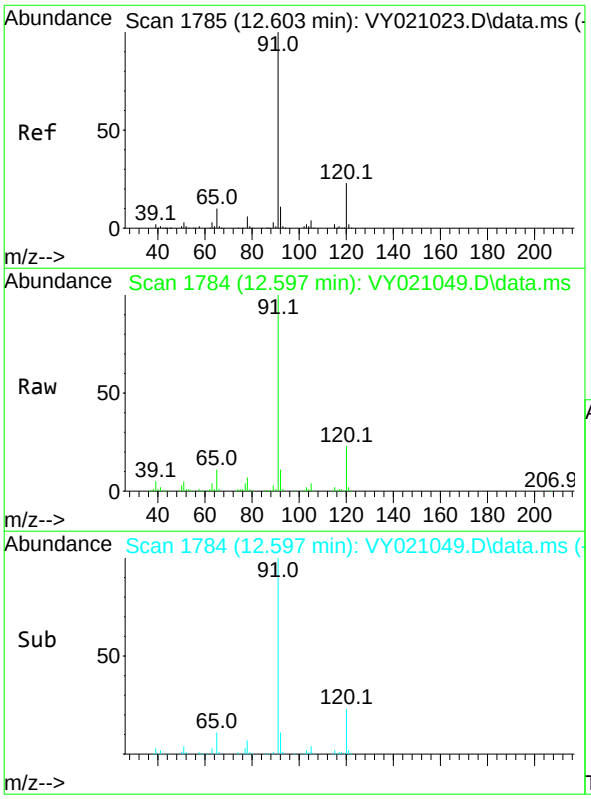
Ion	Ratio	Lower	Upper
156	100		
77	178.8	97.3	291.8
158	97.2	48.4	145.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

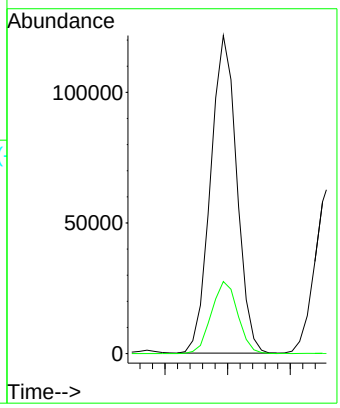
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

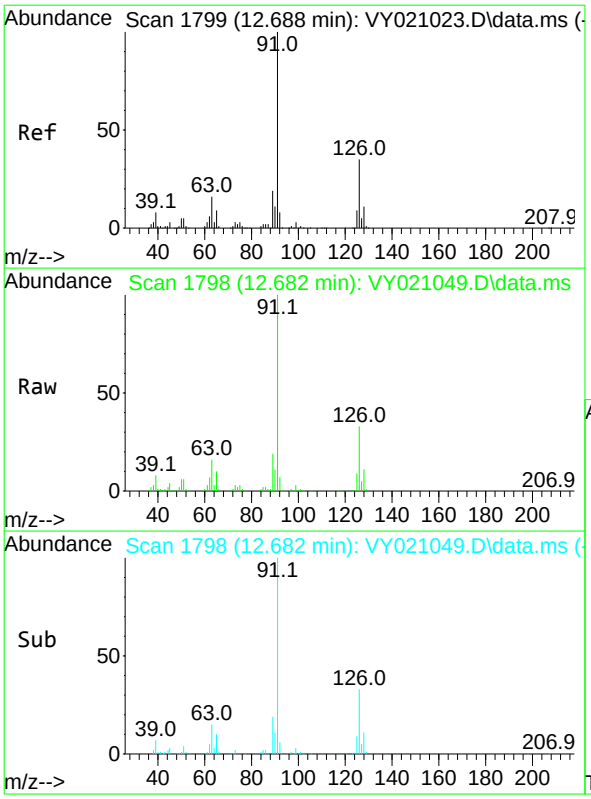


#78
n-propylbenzene
Concen: 18.746 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 91 Resp: 177026

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.0	33.0

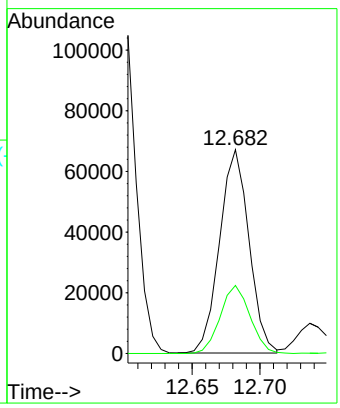




#79
2-Chlorotoluene
Concen: 18.699 ug/l
RT: 12.682 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 91 Resp: 101134

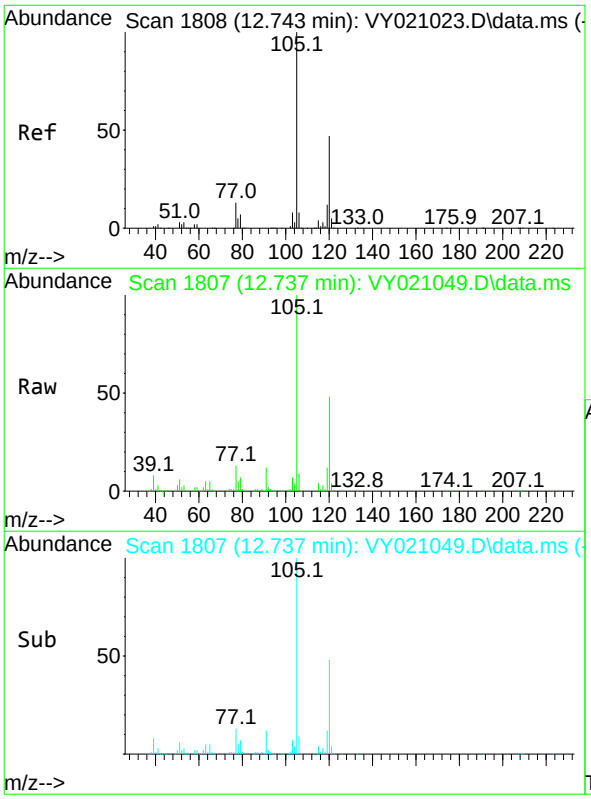
Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations APPROVED

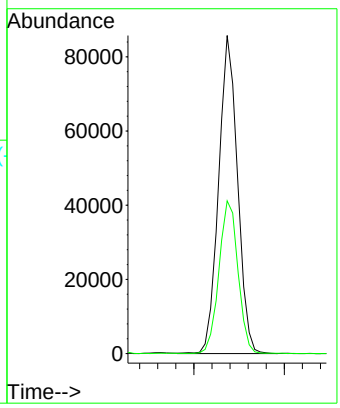
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

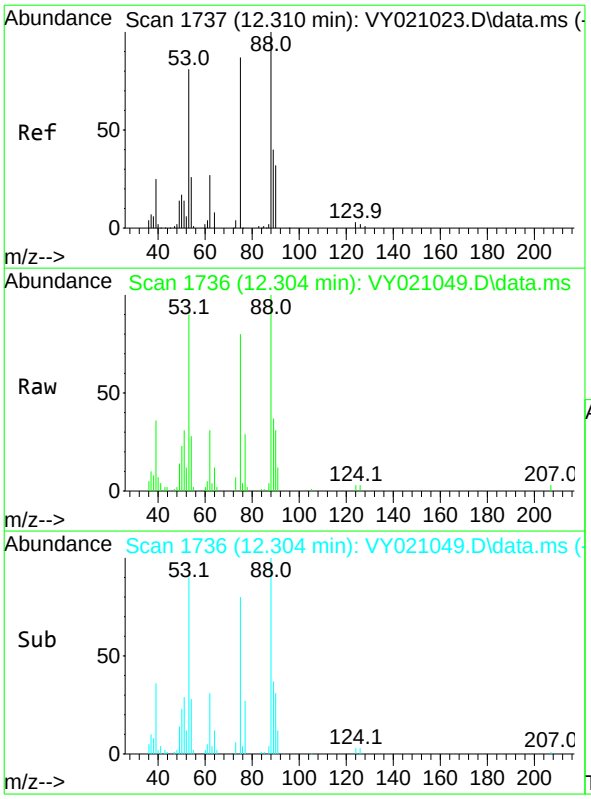


#80
1,3,5-Trimethylbenzene
Concen: 19.356 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:105 Resp: 124402

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	72.8

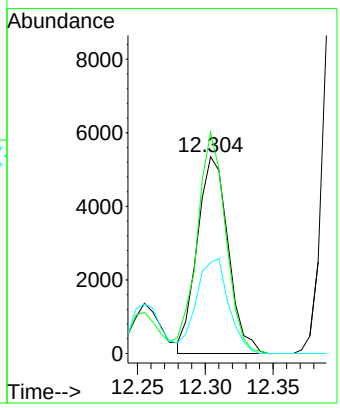




#81
trans-1,4-Dichloro-2-butene
Concen: 18.838 ug/l
RT: 12.304 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 75 Resp: 8499

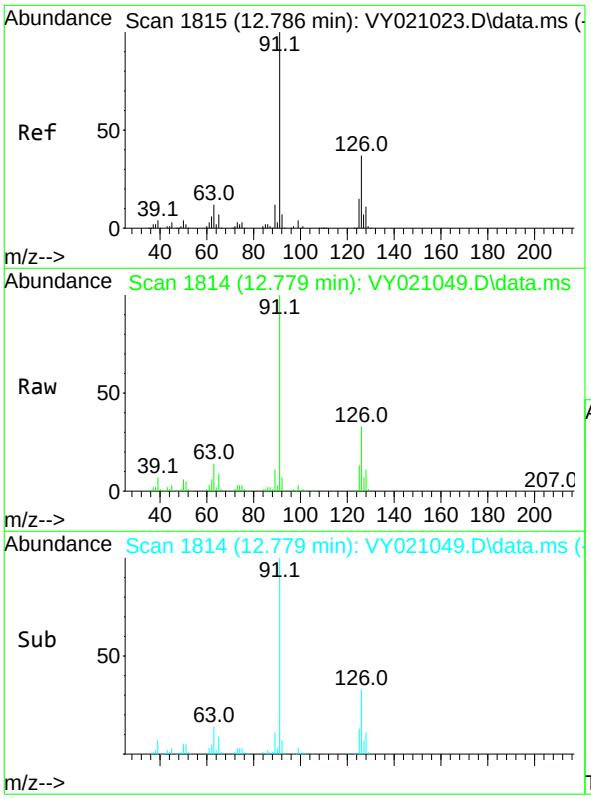
Ion	Ratio	Lower	Upper
75	100		
53	104.6	74.0	111.0
89	50.0	36.5	54.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

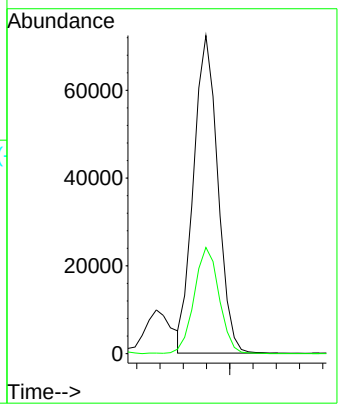
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

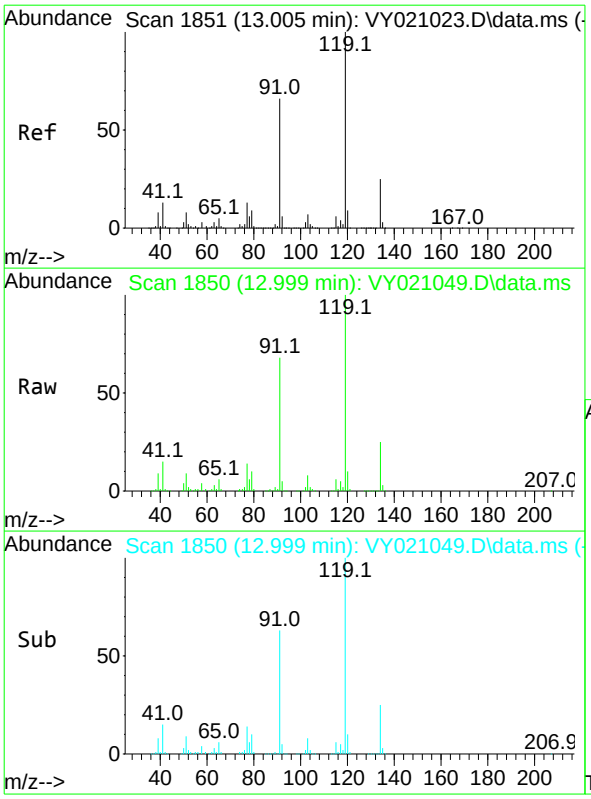


#82
4-Chlorotoluene
Concen: 18.983 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 91 Resp: 104609

Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.1	51.2

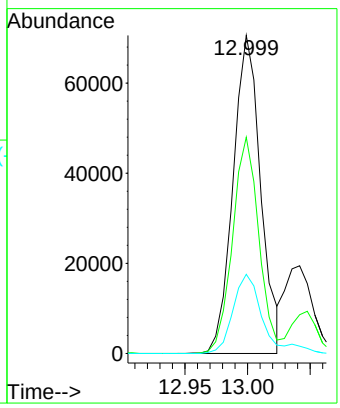




#83
tert-Butylbenzene
Concen: 18.583 ug/l
RT: 12.999 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:119 Resp: 108559

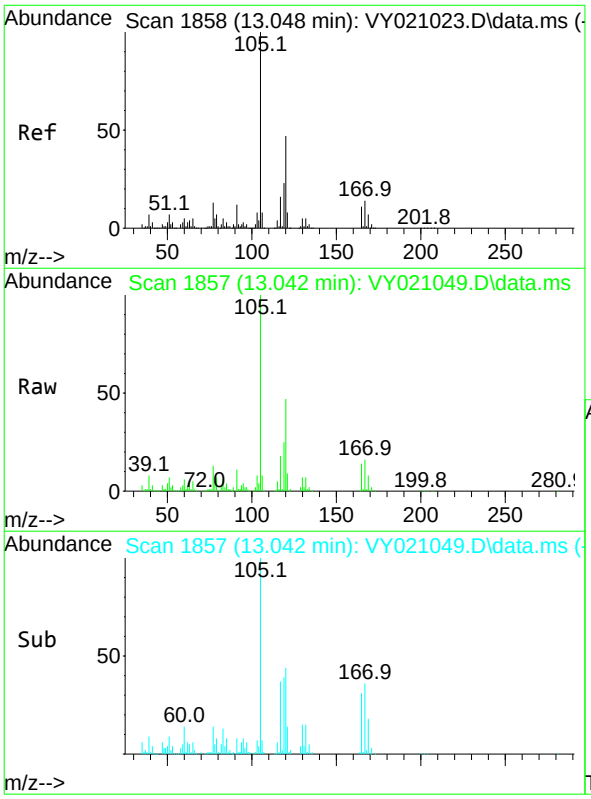
Ion	Ratio	Lower	Upper
119	100		
91	64.6	31.5	94.5
134	26.9	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

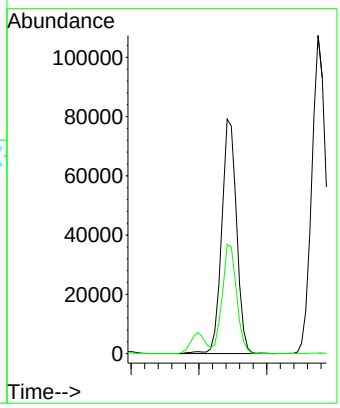
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

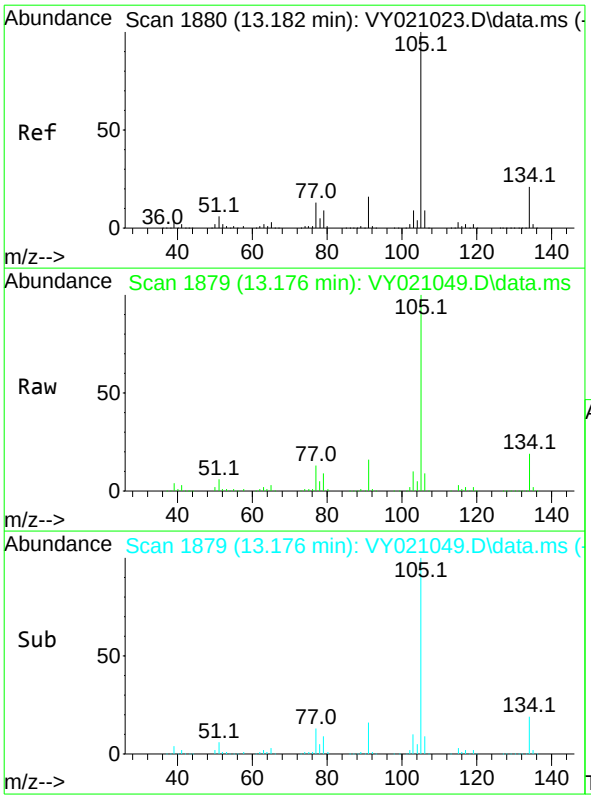


#84
1,2,4-Trimethylbenzene
Concen: 19.191 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:105 Resp: 120603

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.1	66.3

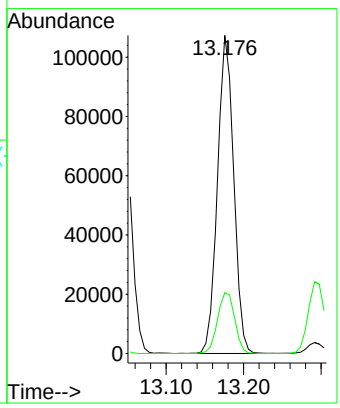




#85
sec-Butylbenzene
Concen: 18.564 ug/l
RT: 13.176 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:105 Resp: 156108

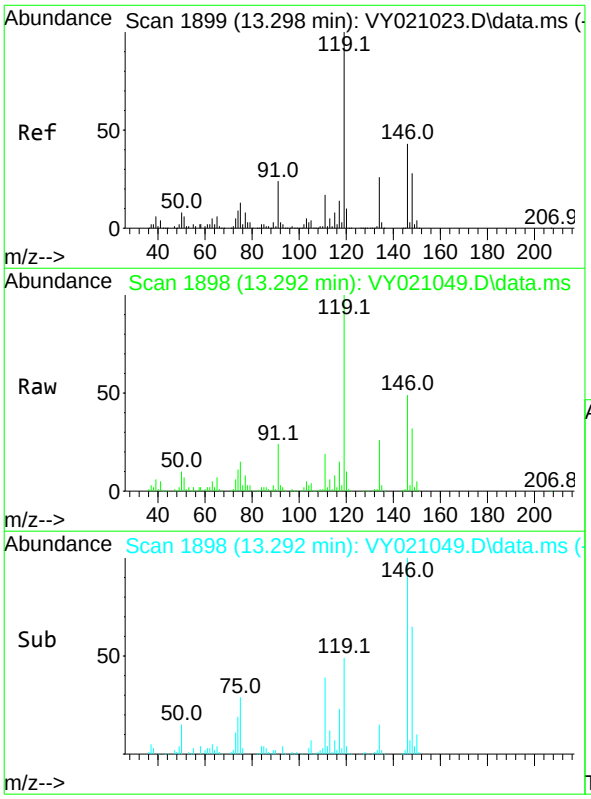
Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

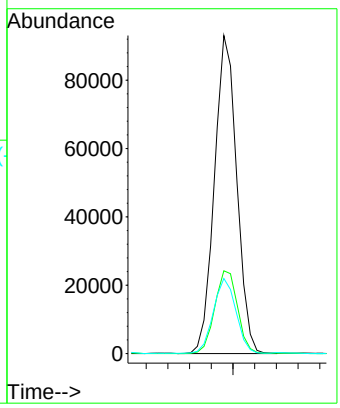
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

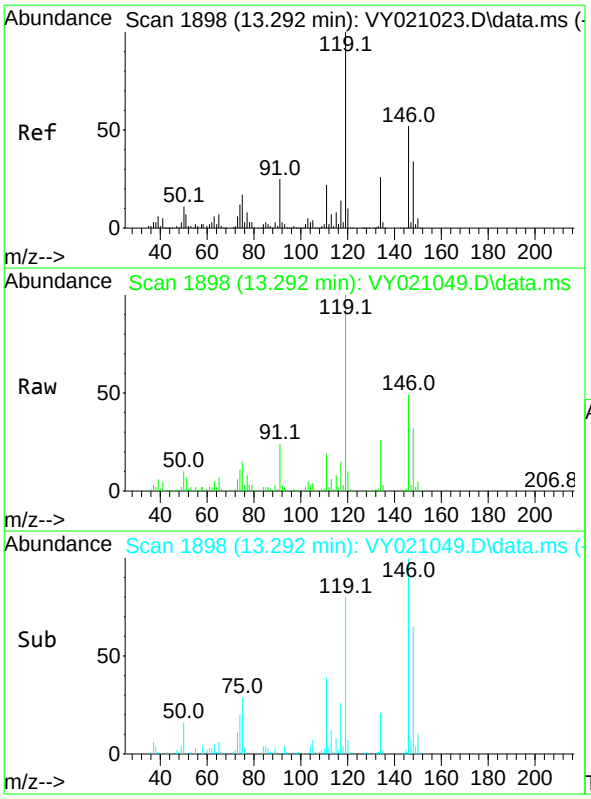


#86
p-Isopropyltoluene
Concen: 19.097 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:119 Resp: 133404

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.1	39.1
91	23.8	11.7	35.0

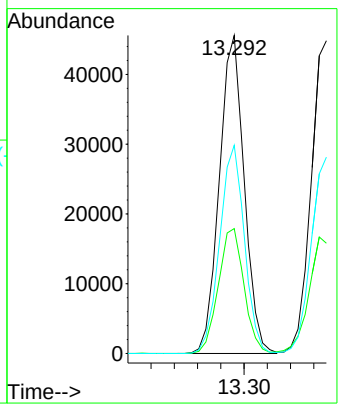




#87
1,3-Dichlorobenzene
Concen: 19.178 ug/l
RT: 13.292 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:146 Resp: 67742

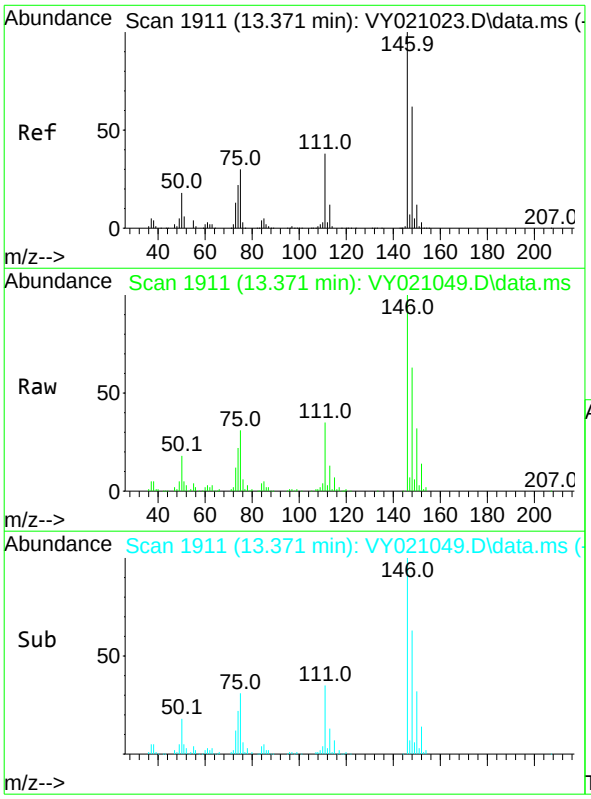
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.5
148	65.1	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations APPROVED

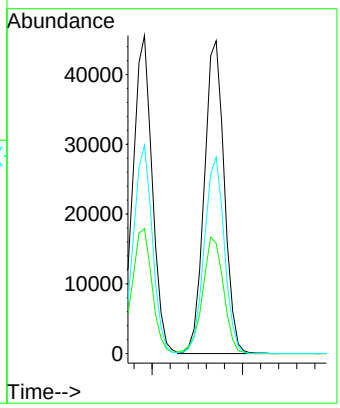
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

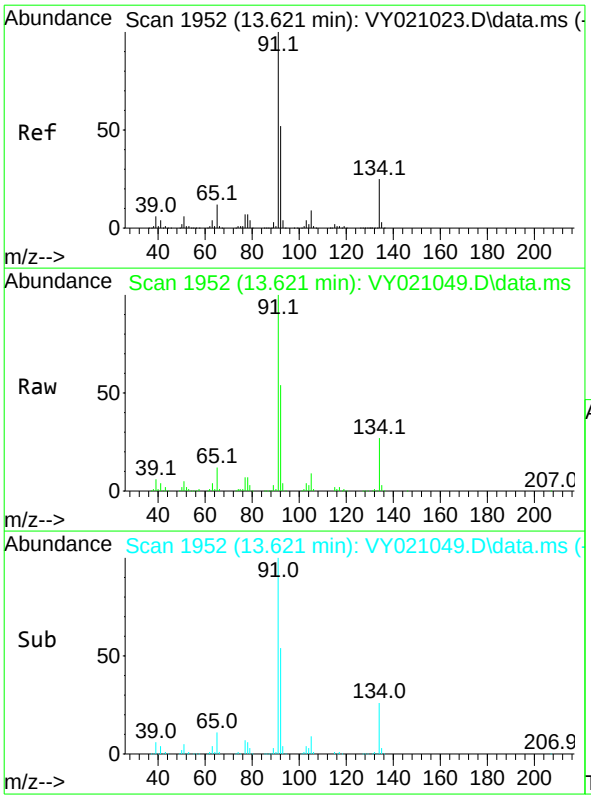


#88
1,4-Dichlorobenzene
Concen: 19.802 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:146 Resp: 68868

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.9
148	63.1	31.6	94.7

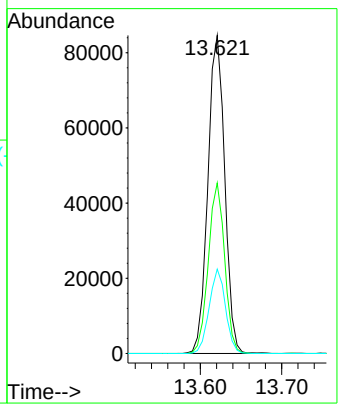




#89
n-Butylbenzene
Concen: 19.065 ug/l
RT: 13.621 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 91 Resp: 121493

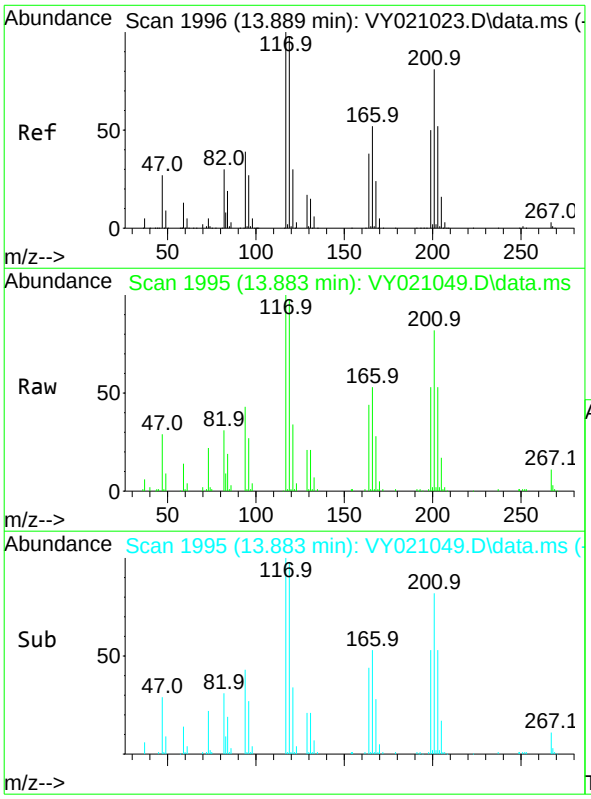
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.4	79.2
134	25.8	12.3	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

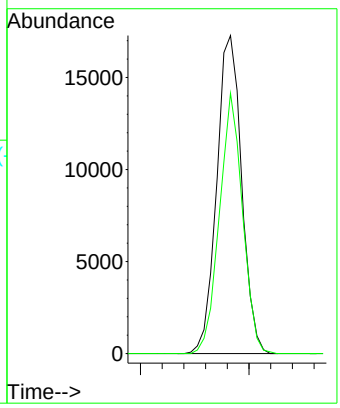
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

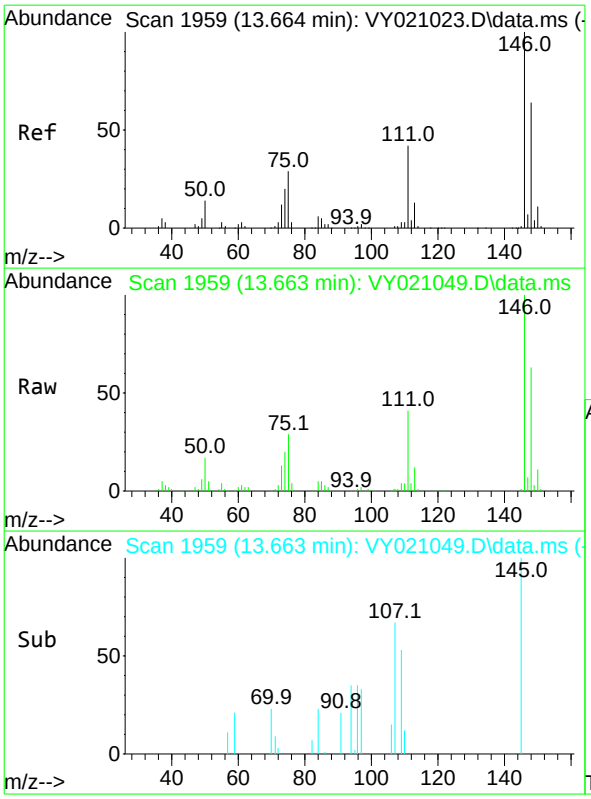


#90
Hexachloroethane
Concen: 18.888 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:117 Resp: 27525

Ion	Ratio	Lower	Upper
117	100		
201	75.8	33.4	100.1

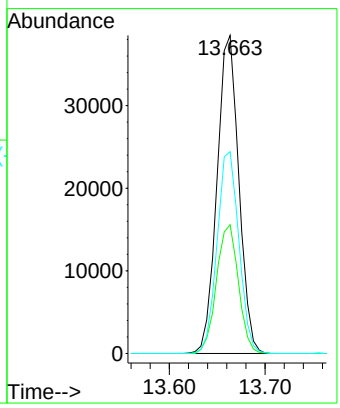




#91
1,2-Dichlorobenzene
Concen: 19.879 ug/l
RT: 13.663 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:146 Resp: 60946

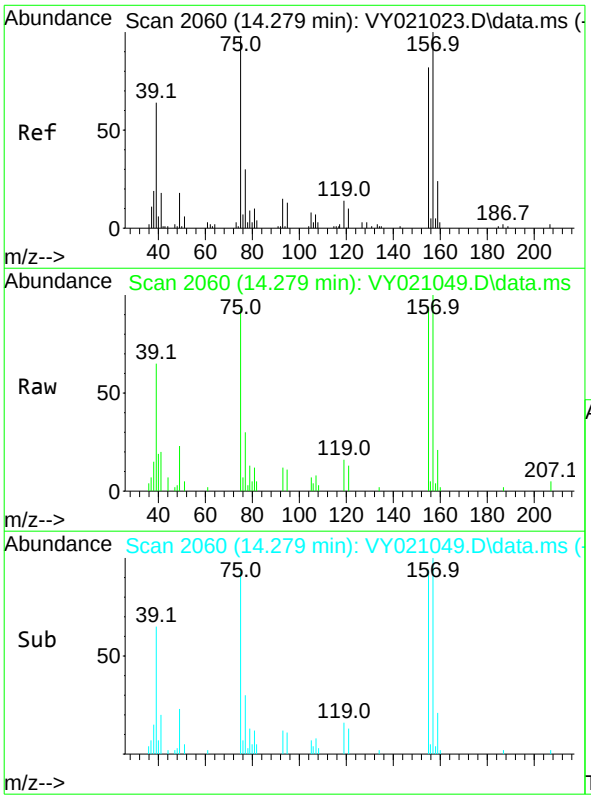
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.6
148	63.5	31.4	94.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

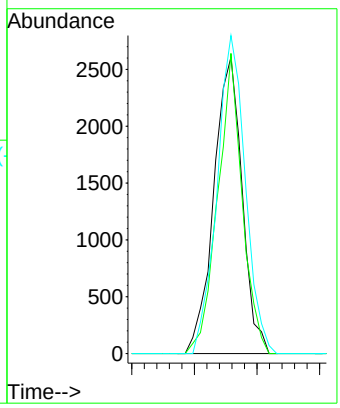
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

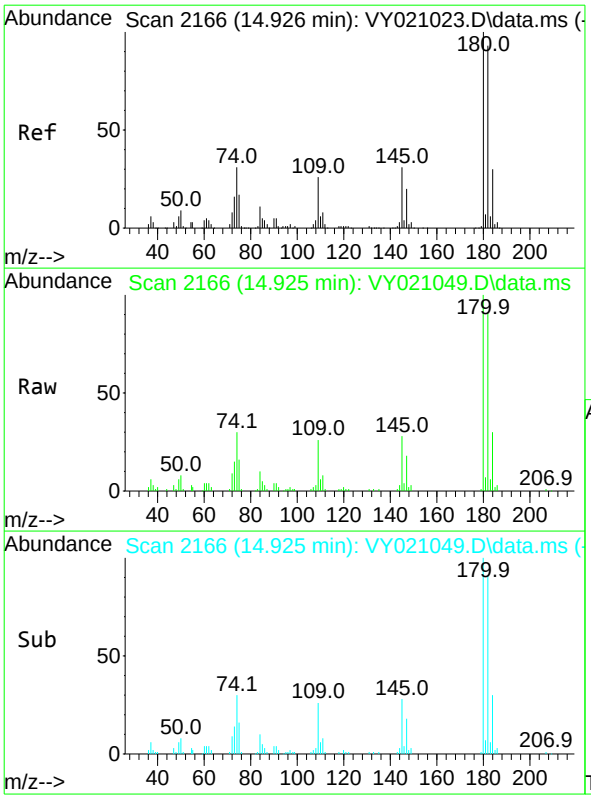


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.790 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion: 75 Resp: 4096

Ion	Ratio	Lower	Upper
75	100		
155	87.5	42.1	126.3
157	107.2	55.8	167.4

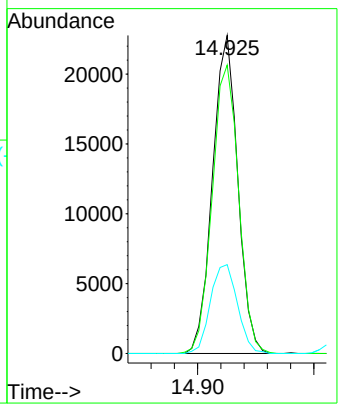




#93
1,2,4-Trichlorobenzene
Concen: 20.093 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:180 Resp: 34289

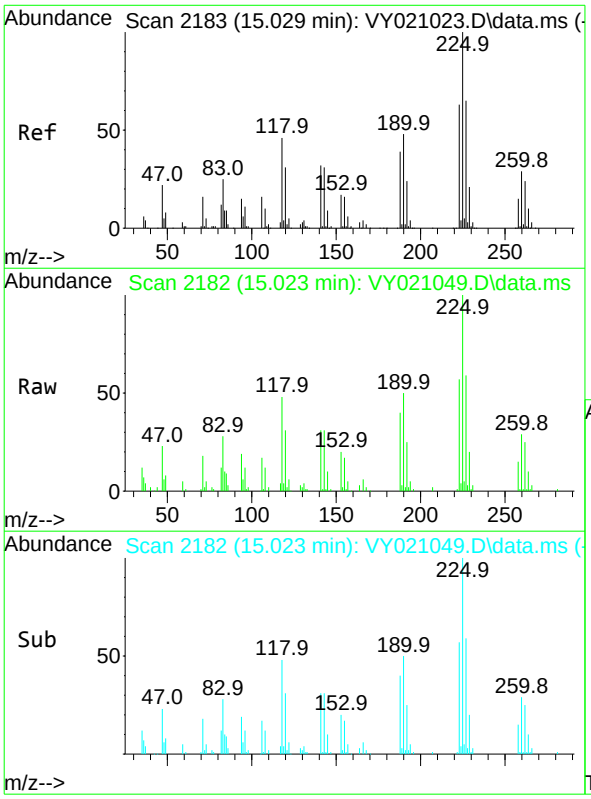
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	29.9	15.9	47.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

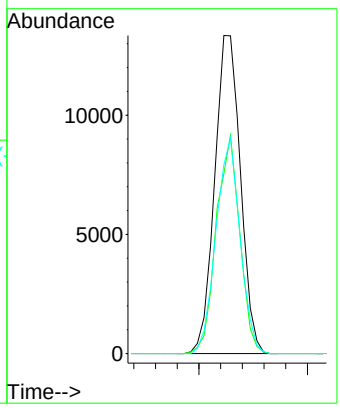
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

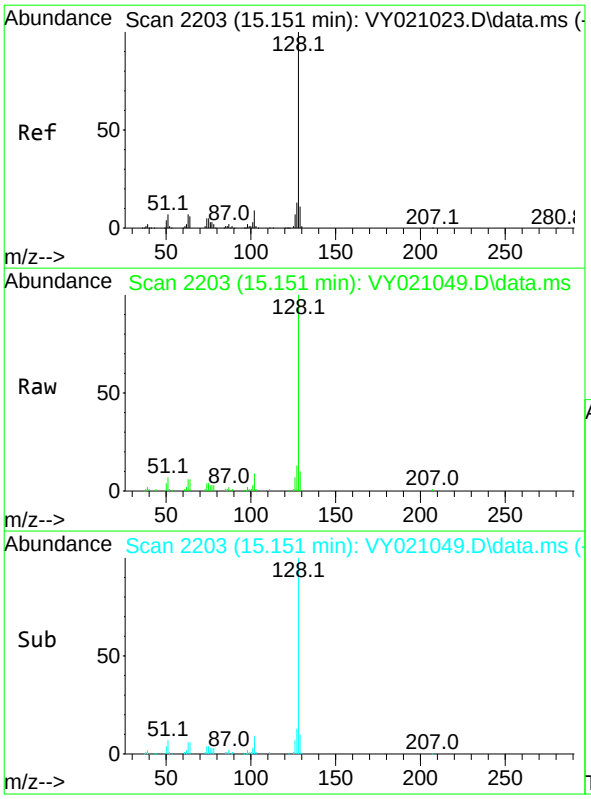


#94
Hexachlorobutadiene
Concen: 19.476 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:225 Resp: 22025

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.4	94.3
227	63.2	32.3	96.8

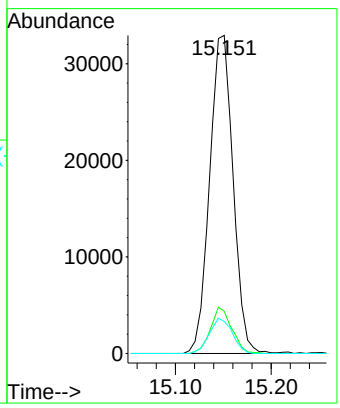




#95
Naphthalene
Concen: 20.529 ug/l
RT: 15.151 min Scan# 22
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:128 Resp: 56048

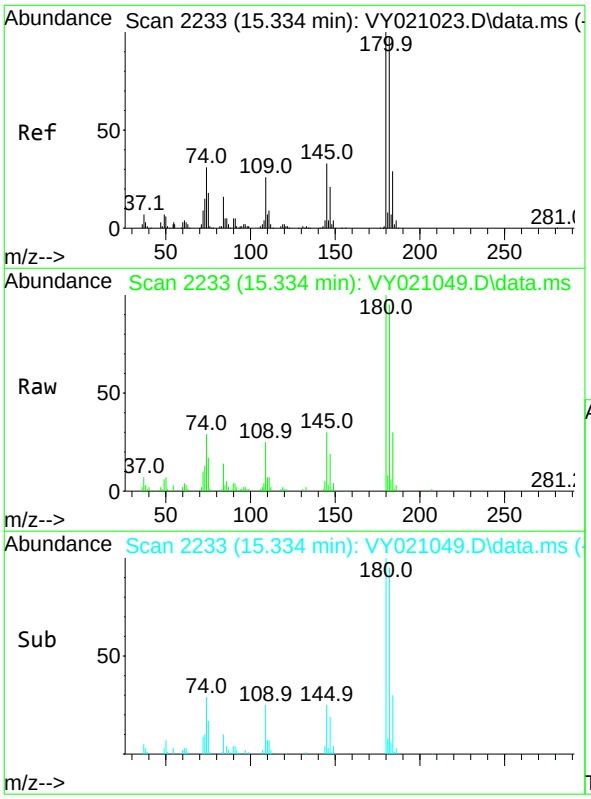
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	10.8	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBSD01

Manual Integrations
APPROVED

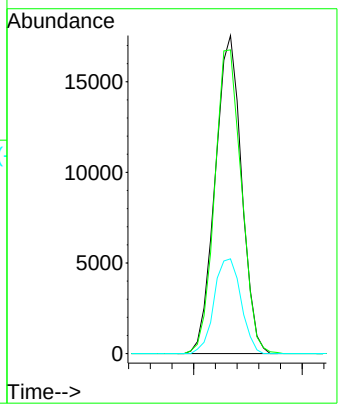
Reviewed By :Romaben Patel 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.894 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021049.D
Acq: 04 Feb 2025 11:15

Tgt Ion:180 Resp: 29672

Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.3	138.8
145	30.2	16.1	48.2



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Manual Integration Report

Sequence:	VY020325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021020.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:43 PM	SAM	2/4/2025 3:52:46 PM	Peak Integrated by Software
VSTDICC005	VY021020.D	Methacrylonitrile	MMDadoda	2/4/2025 3:47:43 PM	SAM	2/4/2025 3:52:46 PM	Peak Integrated by Software
VSTDICC010	VY021021.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:41 PM	SAM	2/4/2025 3:52:44 PM	Peak Integrated by Software
VSTDICC010	VY021021.D	Methacrylonitrile	MMDadoda	2/4/2025 3:47:41 PM	SAM	2/4/2025 3:52:44 PM	Peak Integrated by Software
VSTDICC010	VY021021.D	Tert butyl alcohol	MMDadoda	2/4/2025 3:47:41 PM	SAM	2/4/2025 3:52:44 PM	Peak Integrated by Software
VSTDICC020	VY021022.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:39 PM	SAM	2/4/2025 3:52:43 PM	Peak Integrated by Software
VSTDICC020	VY021022.D	Methacrylonitrile	MMDadoda	2/4/2025 3:47:39 PM	SAM	2/4/2025 3:52:43 PM	Peak Integrated by Software
VSTDICCC050	VY021023.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:37 PM	SAM	2/4/2025 3:52:39 PM	Peak Integrated by Software
VSTDICC100	VY021024.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:36 PM	SAM	2/4/2025 3:53:02 PM	Peak Integrated by Software
VSTDICC150	VY021025.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:34 PM	SAM	2/4/2025 3:53:04 PM	Peak Integrated by Software
VSTDICV050	VY021027.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:32 PM	SAM	2/4/2025 3:53:10 PM	Peak Integrated by Software
VSTDCCC050	VY021044.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:27 PM	SAM	2/4/2025 3:53:15 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY020325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	VY020425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021046.D	1,2,3-Trichloropropane	Romaben	2/5/2025 10:21:54 AM	MMDadoda	2/6/2025 11:05:10 AM	Peak Integrated by Software
VY0204SBS01	VY021048.D	1,2,3-Trichloropropane	Romaben	2/5/2025 10:21:49 AM	MMDadoda	2/6/2025 11:05:11 AM	Peak Integrated by Software
VY0204SBSD01	VY021049.D	1,2,3-Trichloropropane	Romaben	2/5/2025 10:21:44 AM	MMDadoda	2/6/2025 11:05:12 AM	Peak Integrated by Software
VSTDCCC050	VY021072.D	1,2,3-Trichloropropane	Romaben	2/5/2025 10:21:40 AM	MMDadoda	2/6/2025 11:05:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY020525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021074.D	1,2,3-Trichloropropane	Romaben	2/6/2025 10:40:55 AM	MMDadoda	2/6/2025 11:06:31 AM	Peak Integrated by Software
VSTDCCC050	VY021074.D	Methacrylonitrile	Romaben	2/6/2025 10:40:55 AM	MMDadoda	2/6/2025 11:06:31 AM	Peak Integrated by Software
VY0205SBS01	VY021076.D	1,2,3-Trichloropropane	Romaben	2/6/2025 10:40:50 AM	MMDadoda	2/6/2025 11:06:32 AM	Peak Integrated by Software
VSTDCCC050	VY021100.D	1,2,3-Trichloropropane	Romaben	2/6/2025 10:40:33 AM	MMDadoda	2/6/2025 11:06:39 AM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020325

Review By	Mahesh Dadoda	Review On	2/4/2025 3:47:24 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/4/2025 3:53:22 PM		
SubDirectory	VY020325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132839
Initial Calibration Stds	VP132837,VP132841,VP132843,VP132845,VP132847,VP132849
CCC	VP132853
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132851
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021019.D	03 Feb 2025 09:51	SY/MD	Ok
2	VSTDICC005	VY021020.D	03 Feb 2025 10:35	SY/MD	Ok,M
3	VSTDICC010	VY021021.D	03 Feb 2025 10:57	SY/MD	Ok,M
4	VSTDICC020	VY021022.D	03 Feb 2025 11:20	SY/MD	Ok,M
5	VSTDICCC050	VY021023.D	03 Feb 2025 11:43	SY/MD	Ok,M
6	VSTDICC100	VY021024.D	03 Feb 2025 12:21	SY/MD	Ok,M
7	VSTDICC150	VY021025.D	03 Feb 2025 12:44	SY/MD	Ok,M
8	VIBLK	VY021026.D	03 Feb 2025 13:11	SY/MD	Ok
9	VSTDICV050	VY021027.D	03 Feb 2025 13:37	SY/MD	Ok,M
10	VY0203SBL01	VY021028.D	03 Feb 2025 14:13	SY/MD	Ok
11	VY0203SBS01	VY021029.D	03 Feb 2025 14:55	SY/MD	Ok,M
12	VY0203SBSD01	VY021030.D	03 Feb 2025 15:17	SY/MD	Ok,M
13	Q1239-10	VY021031.D	03 Feb 2025 15:50	SY/MD	Not Ok
14	Q1215-01	VY021032.D	03 Feb 2025 16:14	SY/MD	Ok
15	Q1215-05	VY021033.D	03 Feb 2025 16:37	SY/MD	Not Ok
16	Q1216-01	VY021034.D	03 Feb 2025 17:01	SY/MD	ReRun
17	Q1216-05	VY021035.D	03 Feb 2025 17:24	SY/MD	Ok
18	IBLK	VY021036.D	03 Feb 2025 17:47	SY/MD	Not Ok
19	IBLK	VY021037.D	03 Feb 2025 18:11	SY/MD	Not Ok
20	Q1216-17	VY021038.D	03 Feb 2025 18:34	SY/MD	Ok
21	Q1206-01	VY021039.D	03 Feb 2025 18:58	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020325

Review By	Mahesh Dadoda	Review On	2/4/2025 3:47:24 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	2/4/2025 3:53:22 PM				
SubDirectory	VY020325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y020325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP132839
Initial Calibration Stds	VP132837,VP132841,VP132843,VP132845,VP132847,VP132849
CCC	VP132853
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132851
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1206-05	VY021040.D	03 Feb 2025 19:21	SY/MD	Ok
23	Q1207-01	VY021041.D	03 Feb 2025 19:44	SY/MD	Ok
24	Q1207-05	VY021042.D	03 Feb 2025 20:08	SY/MD	Ok
25	Q1207-09	VY021043.D	03 Feb 2025 20:31	SY/MD	Ok
26	VSTDCCC050	VY021044.D	03 Feb 2025 20:54	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020425

Review By	Mahesh Dadoda	Review On	2/6/2025 11:05:18 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/6/2025 11:07:34 AM		
SubDirectory	VY020425	HP Acquire Method		HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132861
Initial Calibration Stds	
CCC	VP132865,VP132866
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	VY021045.D	04 Feb 2025 09:16	SY/MD	Ok
2	VSTDCCC050	VY021046.D	04 Feb 2025 09:47	SY/MD	Ok,M
3	VY0204SBL01	VY021047.D	04 Feb 2025 10:15	SY/MD	Ok
4	VY0204SBS01	VY021048.D	04 Feb 2025 10:52	SY/MD	Ok,M
5	VY0204SBSD01	VY021049.D	04 Feb 2025 11:15	SY/MD	Ok,M
6	Q1243-01	VY021050.D	04 Feb 2025 11:55	SY/MD	Ok
7	Q1207-17	VY021051.D	04 Feb 2025 12:19	SY/MD	Ok
8	Q1207-13	VY021052.D	04 Feb 2025 12:42	SY/MD	Ok
9	Q1216-01	VY021053.D	04 Feb 2025 13:06	SY/MD	Ok
10	Q1215-01	VY021054.D	04 Feb 2025 13:29	SY/MD	Not Ok
11	Q1215-05	VY021055.D	04 Feb 2025 13:52	SY/MD	Ok
12	Q1232-01	VY021056.D	04 Feb 2025 14:16	SY/MD	Ok
13	Q1232-05	VY021057.D	04 Feb 2025 14:39	SY/MD	Ok
14	Q1232-09	VY021058.D	04 Feb 2025 15:03	SY/MD	Ok
15	Q1232-13	VY021059.D	04 Feb 2025 15:26	SY/MD	Ok
16	Q1232-17	VY021060.D	04 Feb 2025 15:50	SY/MD	Ok
17	Q1235-01	VY021061.D	04 Feb 2025 16:13	SY/MD	Ok
18	Q1235-05	VY021062.D	04 Feb 2025 16:36	SY/MD	Ok
19	Q1241-01	VY021063.D	04 Feb 2025 17:00	SY/MD	Ok
20	Q1241-05	VY021064.D	04 Feb 2025 17:23	SY/MD	ReRun
21	Q1241-09	VY021065.D	04 Feb 2025 17:47	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020425

Review By	Mahesh Dadoda	Review On	2/6/2025 11:05:18 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/6/2025 11:07:34 AM		
SubDirectory	VY020425	HP Acquire Method		HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132861
Initial Calibration Stds	
CCC	VP132865,VP132866
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1241-13	VY021066.D	04 Feb 2025 18:10	SY/MD	Ok
23	Q1241-17	VY021067.D	04 Feb 2025 18:33	SY/MD	Ok
24	Q1242-01	VY021068.D	04 Feb 2025 18:57	SY/MD	Ok
25	Q1271-01	VY021069.D	04 Feb 2025 19:20	SY/MD	Ok
26	Q1216-09	VY021070.D	04 Feb 2025 19:44	SY/MD	Ok
27	Q1216-13	VY021071.D	04 Feb 2025 20:07	SY/MD	Ok
28	VSTDCCC050	VY021072.D	04 Feb 2025 20:30	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020525

Review By	Mahesh Dadoda	Review On	2/6/2025 11:06:45 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/6/2025 11:07:48 AM		
SubDirectory	VY020525	HP Acquire Method		HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132891
Initial Calibration Stds	
CCC	VP132892,VP132893
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	VY021073.D	05 Feb 2025 08:16	SY/MD	Ok
2	VSTDCCC050	VY021074.D	05 Feb 2025 09:16	SY/MD	Ok,M
3	VY0205SBL01	VY021075.D	05 Feb 2025 09:51	SY/MD	Ok
4	VY0205SBS01	VY021076.D	05 Feb 2025 10:21	SY/MD	Ok,M
5	VY0205SBSD01	VY021077.D	05 Feb 2025 10:43	SY/MD	Ok,M
6	Q1284-02	VY021078.D	05 Feb 2025 11:07	SY/MD	Ok
7	Q1269-01	VY021079.D	05 Feb 2025 11:30	SY/MD	ReRun
8	Q1262-01	VY021080.D	05 Feb 2025 11:54	SY/MD	ReRun
9	Q1261-01	VY021081.D	05 Feb 2025 12:17	SY/MD	ReRun
10	Q1262-03	VY021082.D	05 Feb 2025 12:40	SY/MD	Ok
11	Q1261-01RE	VY021083.D	05 Feb 2025 13:04	SY/MD	Confirms
12	Q1269-01RE	VY021084.D	05 Feb 2025 13:27	SY/MD	Confirms
13	Q1280-01	VY021085.D	05 Feb 2025 13:51	SY/MD	ReRun
14	Q1277-01	VY021086.D	05 Feb 2025 14:14	SY/MD	Ok
15	Q1289-02	VY021087.D	05 Feb 2025 14:38	SY/MD	ReRun
16	Q1289-04	VY021088.D	05 Feb 2025 15:01	SY/MD	ReRun
17	Q1262-01RE	VY021089.D	05 Feb 2025 15:24	SY/MD	Confirms
18	Q1288-02	VY021090.D	05 Feb 2025 15:48	SY/MD	ReRun
19	Q1288-05	VY021091.D	05 Feb 2025 16:11	SY/MD	ReRun
20	Q1241-05	VY021092.D	05 Feb 2025 16:35	SY/MD	Ok
21	Q1286-02	VY021093.D	05 Feb 2025 16:58	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020525

Review By	Mahesh Dadoda	Review On	2/6/2025 11:06:45 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/6/2025 11:07:48 AM		
SubDirectory	VY020525	HP Acquire Method		HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132891
Initial Calibration Stds	
CCC	VP132892,VP132893
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1276-02	VY021094.D	05 Feb 2025 17:21	SY/MD	Ok
23	Q1281-01	VY021095.D	05 Feb 2025 17:45	SY/MD	Ok,M
24	Q1285-01	VY021096.D	05 Feb 2025 18:08	SY/MD	ReRun
25	VIBLK	VY021097.D	05 Feb 2025 18:32	SY/MD	Ok
26	VIBLK	VY021098.D	05 Feb 2025 18:55	SY/MD	Ok
27	Q1290-02	VY021099.D	05 Feb 2025 19:18	SY/MD	Not Ok
28	VSTDCCC050	VY021100.D	05 Feb 2025 19:40	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020325

Review By	Mahesh Dadoda	Review On	2/4/2025 3:47:24 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/4/2025 3:53:22 PM		
SubDirectory	VY020325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132839
Initial Calibration Stds	VP132837,VP132841,VP132843,VP132845,VP132847,VP132849
CCC	VP132853
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132851
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021019.D	03 Feb 2025 09:51		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021020.D	03 Feb 2025 10:35	Good for DOD	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021021.D	03 Feb 2025 10:57		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021022.D	03 Feb 2025 11:20		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021023.D	03 Feb 2025 11:43		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021024.D	03 Feb 2025 12:21		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021025.D	03 Feb 2025 12:44		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021026.D	03 Feb 2025 13:11		SY/MD	Ok
9	VSTDICV050	ICVVY020325	VY021027.D	03 Feb 2025 13:37		SY/MD	Ok,M
10	VY0203SBL01	VY0203SBL01	VY021028.D	03 Feb 2025 14:13		SY/MD	Ok
11	VY0203SBS01	VY0203SBS01	VY021029.D	03 Feb 2025 14:55		SY/MD	Ok,M
12	VY0203SBSD01	VY0203SBSD01	VY021030.D	03 Feb 2025 15:17		SY/MD	Ok,M
13	Q1239-10	357	VY021031.D	03 Feb 2025 15:50	vial B Not purged	SY/MD	Not Ok
14	Q1215-01	JPP-29.1-012825	VY021032.D	03 Feb 2025 16:14	vial A ISTD Fail	SY/MD	Ok
15	Q1215-05	JPP-29.2-012825	VY021033.D	03 Feb 2025 16:37	Not purged vial-A	SY/MD	Not Ok
16	Q1216-01	JPP-18.1-012825	VY021034.D	03 Feb 2025 17:01	vial A Internal Standard Fail	SY/MD	ReRun
17	Q1216-05	JPP-21.1-012825	VY021035.D	03 Feb 2025 17:24	vial B ISTD Fail	SY/MD	Ok
18	IBLK	IBLK	VY021036.D	03 Feb 2025 17:47	Not purged	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020325

Review By	Mahesh Dadoda	Review On	2/4/2025 3:47:24 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/4/2025 3:53:22 PM		
SubDirectory	VY020325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132839
Initial Calibration Stds	VP132837,VP132841,VP132843,VP132845,VP132847,VP132849
CCC	VP132853
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132851
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	IBLK	IBLK	VY021037.D	03 Feb 2025 18:11	Not purged	SY/MD	Not Ok
20	Q1216-17	JPP-26.2-012825	VY021038.D	03 Feb 2025 18:34	vial B Internal Standard Fail	SY/MD	Ok
21	Q1206-01	JPP-20.1-012725	VY021039.D	03 Feb 2025 18:58	vial B	SY/MD	Ok
22	Q1206-05	JPP-16.3-012725	VY021040.D	03 Feb 2025 19:21	vial B	SY/MD	Ok
23	Q1207-01	JPP-2.1-012725	VY021041.D	03 Feb 2025 19:44	vial-B	SY/MD	Ok
24	Q1207-05	JPP-5.1-012725	VY021042.D	03 Feb 2025 20:08	vial-B	SY/MD	Ok
25	Q1207-09	JPP-4.5-012725	VY021043.D	03 Feb 2025 20:31	vial-B	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY021044.D	03 Feb 2025 20:54		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020425

Review By	Mahesh Dadoda	Review On	2/6/2025 11:05:18 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/6/2025 11:07:34 AM		
SubDirectory	VY020425	HP Acquire Method		HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132861
Initial Calibration Stds	
CCC	VP132865,VP132866
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	VY021045.D	04 Feb 2025 09:16		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021046.D	04 Feb 2025 09:47		SY/MD	Ok,M
3	VY0204SBL01	VY0204SBL01	VY021047.D	04 Feb 2025 10:15		SY/MD	Ok
4	VY0204SBS01	VY0204SBS01	VY021048.D	04 Feb 2025 10:52		SY/MD	Ok,M
5	VY0204SBSD01	VY0204SBSD01	VY021049.D	04 Feb 2025 11:15		SY/MD	Ok,M
6	Q1243-01	CL-01-01302025	VY021050.D	04 Feb 2025 11:55	vial-A	SY/MD	Ok
7	Q1207-17	JPP-20.2-012725	VY021051.D	04 Feb 2025 12:19	vial-B	SY/MD	Ok
8	Q1207-13	JPP-16.2-012725	VY021052.D	04 Feb 2025 12:42	vial-B	SY/MD	Ok
9	Q1216-01	JPP-18.1-012825	VY021053.D	04 Feb 2025 13:06	vial-B	SY/MD	Ok
10	Q1215-01	JPP-29.1-012825	VY021054.D	04 Feb 2025 13:29	NOT PURGE vial-B	SY/MD	Not Ok
11	Q1215-05	JPP-29.2-012825	VY021055.D	04 Feb 2025 13:52	Internal Standard Fail vial-B	SY/MD	Ok
12	Q1232-01	JPP-46.2-012925	VY021056.D	04 Feb 2025 14:16	vial-A	SY/MD	Ok
13	Q1232-05	JPP-46.1-012925	VY021057.D	04 Feb 2025 14:39	vial-A	SY/MD	Ok
14	Q1232-09	JPP-42.1-012925	VY021058.D	04 Feb 2025 15:03	vial-A	SY/MD	Ok
15	Q1232-13	JPP-42.2-012925	VY021059.D	04 Feb 2025 15:26	vial-A	SY/MD	Ok
16	Q1232-17	JPP-51.1-012925	VY021060.D	04 Feb 2025 15:50	vial-A	SY/MD	Ok
17	Q1235-01	JPP-51.2-012925	VY021061.D	04 Feb 2025 16:13	vial-A	SY/MD	Ok
18	Q1235-05	JPP-16.1-012925	VY021062.D	04 Feb 2025 16:36	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020425

Review By	Mahesh Dadoda	Review On	2/6/2025 11:05:18 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/6/2025 11:07:34 AM		
SubDirectory	VY020425	HP Acquire Method		HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132861
Initial Calibration Stds	
CCC	VP132865,VP132866
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1241-01	JPP-3.5-013025	VY021063.D	04 Feb 2025 17:00	vial-A	SY/MD	Ok
20	Q1241-05	JPP-5.3-013025	VY021064.D	04 Feb 2025 17:23	vial-A Internal Standard Fail	SY/MD	ReRun
21	Q1241-09	JPP-5.2-013025	VY021065.D	04 Feb 2025 17:47	vial-A	SY/MD	Ok
22	Q1241-13	JPP-5.4-013025	VY021066.D	04 Feb 2025 18:10	vial-A	SY/MD	Ok
23	Q1241-17	JPP-51.4-013025	VY021067.D	04 Feb 2025 18:33	vial-A	SY/MD	Ok
24	Q1242-01	JPP-6.2-013025	VY021068.D	04 Feb 2025 18:57	vial-A	SY/MD	Ok
25	Q1271-01	RBR200030	VY021069.D	04 Feb 2025 19:20	vial-B	SY/MD	Ok
26	Q1216-09	JPP-21.2-012825	VY021070.D	04 Feb 2025 19:44	vial-B	SY/MD	Ok
27	Q1216-13	JPP-26.1-012825	VY021071.D	04 Feb 2025 20:07	vial-B	SY/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VY021072.D	04 Feb 2025 20:30		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020525

Review By	Mahesh Dadoda	Review On	2/6/2025 11:06:45 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/6/2025 11:07:48 AM		
SubDirectory	VY020525	HP Acquire Method		HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132891
Initial Calibration Stds	
CCC	VP132892,VP132893
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	VY021073.D	05 Feb 2025 08:16		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021074.D	05 Feb 2025 09:16		SY/MD	Ok,M
3	VY0205SBL01	VY0205SBL01	VY021075.D	05 Feb 2025 09:51		SY/MD	Ok
4	VY0205SBS01	VY0205SBS01	VY021076.D	05 Feb 2025 10:21		SY/MD	Ok,M
5	VY0205SBSD01	VY0205SBSD01	VY021077.D	05 Feb 2025 10:43		SY/MD	Ok,M
6	Q1284-02	SU-03-2-4-2025	VY021078.D	05 Feb 2025 11:07		SY/MD	Ok
7	Q1269-01	VNJ-231	VY021079.D	05 Feb 2025 11:30	Internal Standard Fail vial-A	SY/MD	ReRun
8	Q1262-01	ETGI-371	VY021080.D	05 Feb 2025 11:54	Internal Standard Fail vial-A	SY/MD	ReRun
9	Q1261-01	CHRT-20430	VY021081.D	05 Feb 2025 12:17	Internal Standard Fail vial-A	SY/MD	ReRun
10	Q1262-03	CONCRETE-PAD	VY021082.D	05 Feb 2025 12:40	vial-A	SY/MD	Ok
11	Q1261-01RE	CHRT-20430RE	VY021083.D	05 Feb 2025 13:04	Internal Standard Fail vial-B	SY/MD	Confirms
12	Q1269-01RE	VNJ-231RE	VY021084.D	05 Feb 2025 13:27	Surrogate Fail;Internal Standard Fail vial-B	SY/MD	Confirms
13	Q1280-01	72-11984	VY021085.D	05 Feb 2025 13:51	Internal Standard Fail vial-B	SY/MD	ReRun
14	Q1277-01	RT 3249-VOC	VY021086.D	05 Feb 2025 14:14	Internal Standard Fail vial-B	SY/MD	Ok
15	Q1289-02	FL-DRUMS-A	VY021087.D	05 Feb 2025 14:38	Surrogate Fail;Internal Standard Fail vial-A	SY/MD	ReRun
16	Q1289-04	FL-DRUMS-B	VY021088.D	05 Feb 2025 15:01	Internal Standard Fail vial-A	SY/MD	ReRun
17	Q1262-01RE	ETGI-371RE	VY021089.D	05 Feb 2025 15:24	Internal Standard Fail vial-B	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 # VY020525

Review By	Mahesh Dadoda	Review On	2/6/2025 11:06:45 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/6/2025 11:07:48 AM		
SubDirectory	VY020525	HP Acquire Method		HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132891
Initial Calibration Stds	
CCC	VP132892,VP132893
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1288-02	HR-01-020425	VY021090.D	05 Feb 2025 15:48	Internal Standard Fail vial-A	SY/MD	ReRun
19	Q1288-05	HR-04-020425	VY021091.D	05 Feb 2025 16:11	Internal Standard Fail vial-A	SY/MD	ReRun
20	Q1241-05	JPP-5.3-013025	VY021092.D	05 Feb 2025 16:35	vial-B	SY/MD	Ok
21	Q1286-02	NB-07-020425-VOC	VY021093.D	05 Feb 2025 16:58	vial-A	SY/MD	Ok
22	Q1276-02	TR-05-020325	VY021094.D	05 Feb 2025 17:21	vial-A	SY/MD	Ok
23	Q1281-01	OR-02--2-03-2025	VY021095.D	05 Feb 2025 17:45	vial-A	SY/MD	Ok,M
24	Q1285-01	72-11977	VY021096.D	05 Feb 2025 18:08	Internal Standard Fail vial-A	SY/MD	ReRun
25	VIBLK	VIBLK	VY021097.D	05 Feb 2025 18:32	ISTD Fail	SY/MD	Ok
26	VIBLK	VIBLK	VY021098.D	05 Feb 2025 18:55	ISTD Fail	SY/MD	Ok
27	Q1290-02	VOC	VY021099.D	05 Feb 2025 19:18	Not purged well;Surrogate Fail;Internal Standard Fail vial -A	SY/MD	Not Ok
28	VSTDCCC050	VSTDCCC050EC	VY021100.D	05 Feb 2025 19:40		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134497

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
Q1236-01	WASTE	17	1.14	8.55	9.69	8.12	81.6	
Q1236-02	VOC	18	1.13	8.71	9.84	8.3	82.3	
Q1236-03	1	19	1.17	8.50	9.67	8.2	82.7	
Q1236-04	2	20	1.17	8.60	9.77	8.2	81.7	
Q1236-05	3	21	1.15	8.84	9.99	8.35	81.4	
Q1236-06	4	22	1.16	8.53	9.69	8.24	83.0	
Q1236-07	5	23	1.15	8.82	9.97	8.48	83.1	
Q1241-01	JPP-3.5-013025	1	1.15	8.58	9.73	8.41	84.6	
Q1241-03	JPP-3.5-013025	2	1.12	8.76	9.88	8.3	82.0	
Q1241-05	JPP-5.3-013025	3	1.15	8.43	9.58	8.68	89.3	
Q1241-07	JPP-5.3-013025	4	1.11	8.77	9.88	8.81	87.8	
Q1241-09	JPP-5.2-013025	5	1.15	8.59	9.74	8.65	87.3	
Q1241-11	JPP-5.2-013025	6	1.12	8.41	9.53	8.58	88.7	
Q1241-13	JPP-5.4-013025	7	1.16	8.66	9.82	8.69	87.0	
Q1241-15	JPP-5.4-013025	8	1.18	8.45	9.63	8.5	86.6	
Q1241-17	JPP-51.4-013025	9	1.14	8.55	9.69	9.12	93.3	
Q1241-19	JPP-51.4-013025	10	1.16	8.51	9.67	9.09	93.2	
Q1242-01	JPP-6.2-013025	11	1.15	8.80	9.95	8.32	81.5	
Q1242-03	JPP-6.2-013025	12	1.13	8.60	9.73	8.11	81.2	
Q1243-01	CL-01-01302025	13	1.16	8.40	9.56	9.12	94.8	
Q1243-02	CL-01-01302025-E2	14	1.13	8.70	9.83	9.36	94.6	
Q1244-01	EO-02-01302025	15	1.18	8.71	9.89	9.36	93.9	
Q1244-02	EO-02-01302025-E2	16	1.12	8.80	9.92	9.42	94.3	
Q1254-01	OK-02-01312025	24	1.16	8.40	9.56	8.48	87.1	
Q1254-02	OK-02-01312025-E2	25	1.15	8.83	9.98	9.6	95.7	
Q1257-01	013025	42	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1258-01	112224A	43	1.00	1.00	2.00	2.00	100.0	debris
Q1259-01	12825	44	1.14	8.70	9.84	8.7	86.9	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134497

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
Q1260-01	12925-A	45	1.00	1.00	2.00	2.00	100.0	debris
Q1260-02	12925-BC	46	1.16	8.42	9.58	9.2	95.5	
Q1261-01	CHRT-20430	47	1.14	8.43	9.57	5.86	56.0	
Q1261-02	CHRT-20430-E2	48	1.12	8.77	9.89	5.93	54.8	
Q1262-01	ETGI-371	49	1.15	8.70	9.85	8.64	86.1	
Q1262-02	ETGI-371-E2	50	1.16	8.82	9.98	8.78	86.4	
Q1262-03	CONCRETE-PAD	51	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1262-04	CONCRETE-PAD-E2	52	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1262-05	3762	53	1.00	1.00	2.00	2.00	100.0	debris
Q1263-01	KMA9027-1-1	54	1.00	1.00	2.00	2.00	100.0	oilc
Q1263-02	KMA9027-1-2	55	1.00	1.00	2.00	2.00	100.0	oilc
Q1263-03	BC274653-1-1	56	1.00	1.00	2.00	2.00	100.0	oilc
Q1263-04	BC274653-1-2	57	1.00	1.00	2.00	2.00	100.0	oilc
Q1264-01	AUD-1606	26	1.18	8.62	9.8	9.63	98.0	
Q1264-02	AUD-25-0008	27	1.11	8.71	9.82	7.77	76.5	
Q1265-01	AUD-25-0006	28	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-01	TRE-25-0003	29	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-02	TRE-25-0009	30	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-03	TRE-25-0011	31	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1268-05	SVOC-GPC-BLANK	32	1.00	1.00	2.00	2.00	100.0	
Q1268-06	PEST-GPC-BLANK	33	1.00	1.00	2.00	2.00	100.0	
Q1268-07	PEST-GPC-BLANK-SPIKE	34	1.00	1.00	2.00	2.00	100.0	
Q1268-08	PCB-GPC-BLANK	35	1.00	1.00	2.00	2.00	100.0	
Q1268-09	PCB-GPC-BLANK-SPIKE	36	1.00	1.00	2.00	2.00	100.0	
Q1268-10	SVOC-GPC2-BLANK	37	1.00	1.00	2.00	2.00	100.0	
Q1268-11	PEST-GPC2-BLANK	38	1.00	1.00	2.00	2.00	100.0	
Q1268-12	PEST-GPC2-BLANK-SPIKE	39	1.00	1.00	2.00	2.00	100.0	
Q1268-13	PCB-GPC2-BLANK	40	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134497

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
Q1268-14	PCB-GPC2-BLANK-SPIKE	41	1.00	1.00	2.00	2.00	100.0	
Q1269-01	VNJ-231	58	1.17	8.81	9.98	9.00	88.9	
Q1269-02	VNJ-231-E2	59	1.12	8.86	9.98	9.1	90.1	
Q1270-01	BC247799-1-1	60	1.00	1.00	2.00	2.00	100.0	pilc
Q1270-02	BC247799-1-2	61	1.00	1.00	2.00	2.00	100.0	pilc
Q1270-03	BC274768-1-1	62	1.00	1.00	2.00	2.00	100.0	pilc
Q1270-04	BC274768-1-2	63	1.00	1.00	2.00	2.00	100.0	pilc
Q1270-05	BC274768-2-1	64	1.00	1.00	2.00	2.00	100.0	pilc
Q1270-06	BC274768-2-2	65	1.00	1.00	2.00	2.00	100.0	pilc
Q1271-01	RBR200030	66	1.12	8.74	9.86	8.87	88.7	
Q1271-02	RBR200030-E2	67	1.17	8.53	9.7	9.02	92.0	
Q1271-03	3189-3196	68	1.00	1.00	2.00	2.00	100.0	oil sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

R134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1236-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1241-01	JPP-3.5-013025	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1241-03	JPP-3.5-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-05	JPP-5.3-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-07	JPP-5.3-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-09	JPP-5.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-11	JPP-5.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-13	JPP-5.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-15	JPP-5.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-17	JPP-51.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-19	JPP-51.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1242-01	JPP-6.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1242-03	JPP-6.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1243-01	CL-01-01302025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1243-02	CL-01-01302025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/30/2025	Chemtech -SO
					PSEG05	N41	01/30/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: JD (WC)

Raw Sample Relinquished by: RJ CEAT-1ab

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ CEAT-1ab

Raw Sample Relinquished by: JD (WC)

WORKLIST(Hardcopy Internal Chain)

134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1244-01	EO-02-01302025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N51	01/30/2025	Chemtech -SO
Q1244-02	EO-02-01302025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N51	01/30/2025	Chemtech -SO
Q1254-01	OK-02-01312025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/31/2025	Chemtech -SO
Q1254-02	OK-02-01312025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/31/2025	Chemtech -SO
Q1257-01	013025	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1258-01	112224A	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1259-01	12825	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1260-01	12925-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1260-02	12925-BC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1261-01	CHRT-20430	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1261-02	CHRT-20430-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-01	ETGI-371	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-02	ETGI-371-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-03	CONCRETE-PAD	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-04	CONCRETE-PAD-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-05	3762	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-01	KMA9027-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-02	KMA9027-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-03	BC274653-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-04	BC274653-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1264-01	AUD-1606	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: SO (WC)

Raw Sample Relinquished by: RJ (EXT-Lab)

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ (EXT-Lab)

Raw Sample Relinquished by: SO (WC)

WORKLIST(Hardcopy Internal Chain)

VB134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1264-02	AUD-25-0008	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1265-01	AUD-25-0006	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-01	TRE-25-0003	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-02	TRE-25-0009	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-03	TRE-25-0011	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1268-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1269-01	VNJ-231	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1269-02	VNJ-231-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	01/31/2025	Chemtech -SO
Q1270-01	BC247799-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	01/31/2025	Chemtech -SO
Q1270-02	BC247799-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-03	BC274768-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-04	BC274768-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: JA (WC)

Raw Sample Relinquished by: RJ (TEL-Lab)

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ (TEL-Lab)

Raw Sample Relinquished by: JA (WC)

WORKLIST(Hardcopy Internal Chain)

IR-134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1270-05	BC274768-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-06	BC274768-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1271-01	RBR200030	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1271-02	RBR200030-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	01/31/2025	Chemtech -SO
Q1271-03	3189-3196	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: JD WDC

Raw Sample Relinquished by: RJ CLIENT-lab

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ CLIENT-lab

Raw Sample Relinquished by: 6.6°C

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Prep Standard - Chemical Standard Summary

Order ID : Q1241

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VY020425,VY020525,

Standard ID :
VP130432,VP131767,VP131783,VP132035,VP132036,VP132098,VP132468,VP132469,VP132613,VP132614,VP132861,VP132865,VP132866,VP132891,VP132892,VP132893,

Chemical ID :
V13391,V13446,V13466,V13707,V14145,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14614,V14624,V14627,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14754,V14756,V14801,V14814,V14830,V14831,V14832,W3112,

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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

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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

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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

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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	VP132468	01/08/2025	02/07/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/17/2025

FROM 1.00000ml of V14832 + 1.50000ml of V14830 + 1.50000ml of V14831 + 21.00000ml of V14627 = 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	VP132469	01/08/2025	02/07/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/17/2025

FROM 5.62500ml of V14627 + 9.37500ml of VP132468 = Final Quantity: 15.000 ml

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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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP132861	02/04/2025	02/05/2025	Romaben Patel	None	None	Semsettin Yesilyurt 02/06/2025

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	VP132865	02/04/2025	02/05/2025	Romaben Patel	None	None	Semsettin Yesilyurt 02/06/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132469 + 0.00250ml of VP132614 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP132866	02/04/2025	02/05/2025	Romaben Patel	None	None	Semsettin Yesilyurt 02/06/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132469 + 0.00250ml of VP132614 + 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	VP132891	02/05/2025	02/06/2025	Romaben Patel	None	None	Semsettin Yesilyurt 02/06/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP132892	02/05/2025	02/06/2025	Romaben Patel	None	None	Semsettin Yesilyurt 02/06/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132469 + 0.00250ml of VP132614 + 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	VP132893	02/05/2025	02/06/2025	Romaben Patel	None	None	Semsettin Yesilyurt 02/06/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132469 + 0.00250ml of VP132614 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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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	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

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

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CHEMICAL RECEIPT LOG BOOK

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

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

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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	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	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 #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/06/2025	01/06/2025 / SAM	11/26/2024 / SAM	V14627

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

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

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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	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

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

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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	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	V14814

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	010725	02/07/2025	01/08/2025 / SAM	01/08/2025 / SAM	V14830

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	010725	02/07/2025	01/08/2025 / SAM	01/08/2025 / SAM	V14831

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	010725	02/07/2025	01/08/2025 / SAM	01/08/2025 / SAM	V14832

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / 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

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 Baxter

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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Dec 01/08/25

5 vial

V14823-to V14827 V14829

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 010725
Description: Acrolein

Expiration Date: 020725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

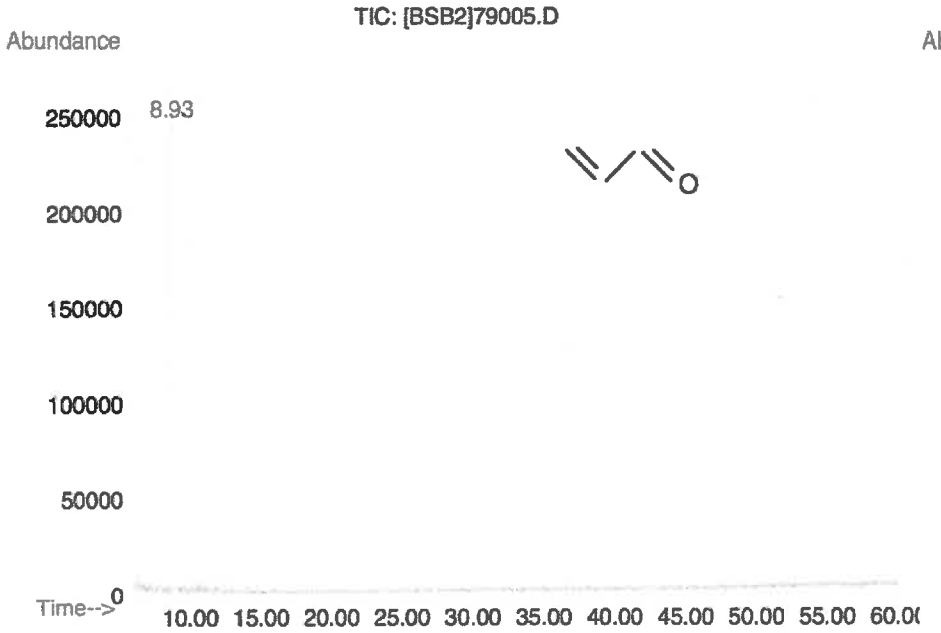
Solvent(s): Water **Lot#** 072324Q

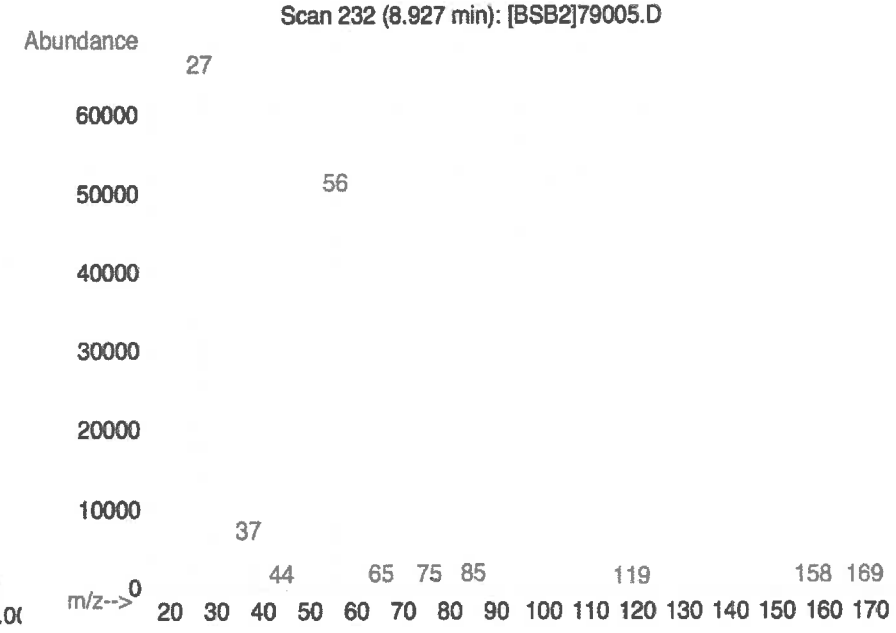
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	010725
Formulated By: Anthony Mahoney	DATE
	010725
Reviewed By: Pedro L. Rentas	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	0.05178	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.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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.
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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Dec 01/08/25

5 vial

V14823-to V14827 V14829

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 010725
Description: Acrolein

Expiration Date: 020725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

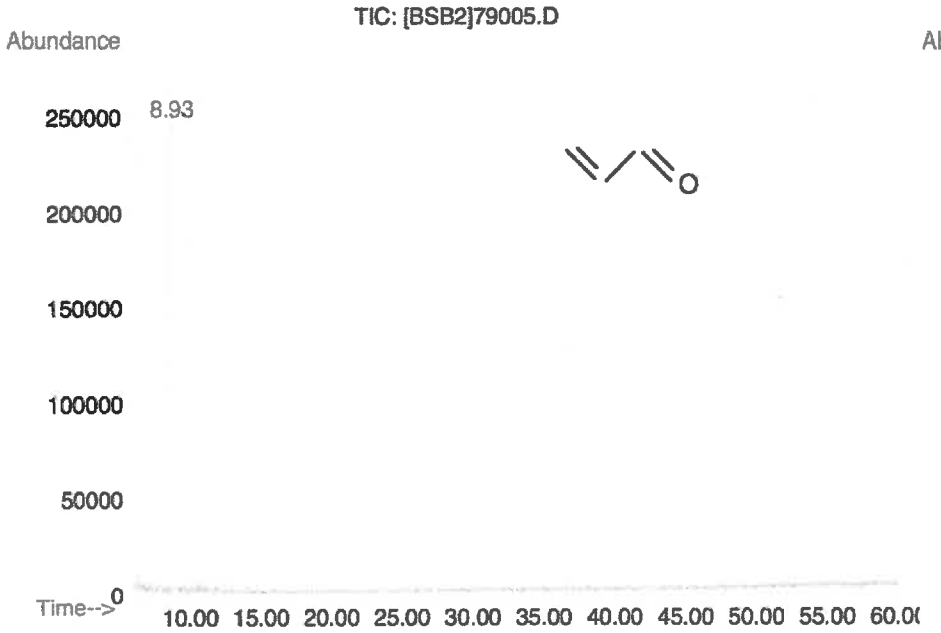
Solvent(s): Water **Lot#** 072324Q

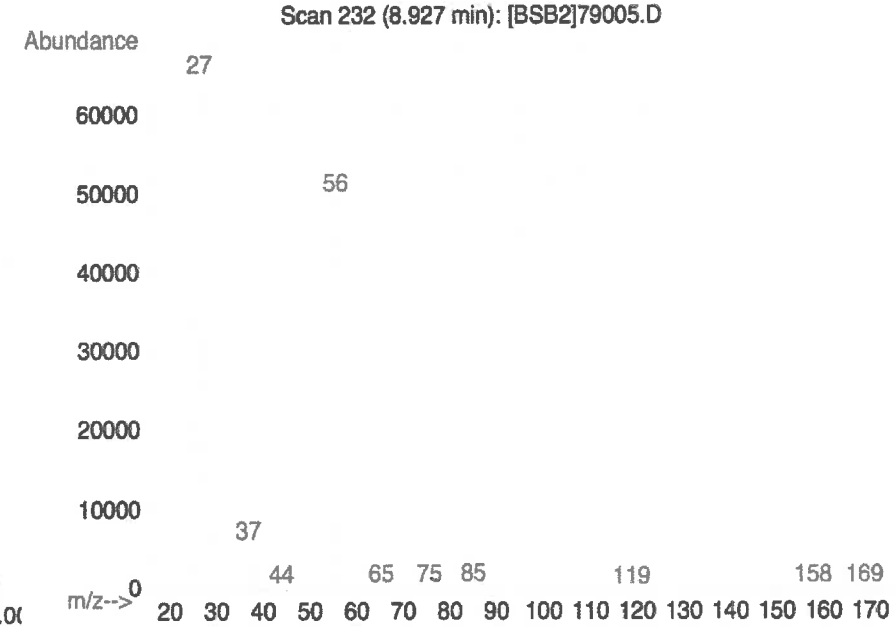
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	010725
Formulated By: Anthony Mahoney	DATE
	010725
Reviewed By: Pedro L. Rentas	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	0.05178	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).

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Safety Data Sheet (SDS) GHS/OSHA Compliant

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Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

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.

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Dec 01/08/25

5 vial

V14823-to V14827 V14829

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 010725
Description: Acrolein

Expiration Date: 020725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

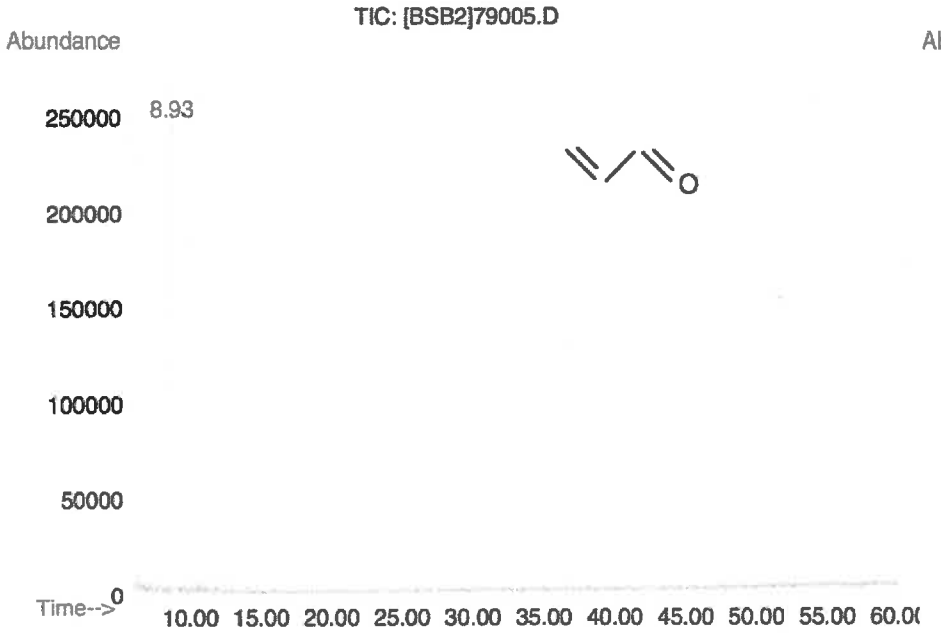
Solvent(s): Water **Lot#** 072324Q

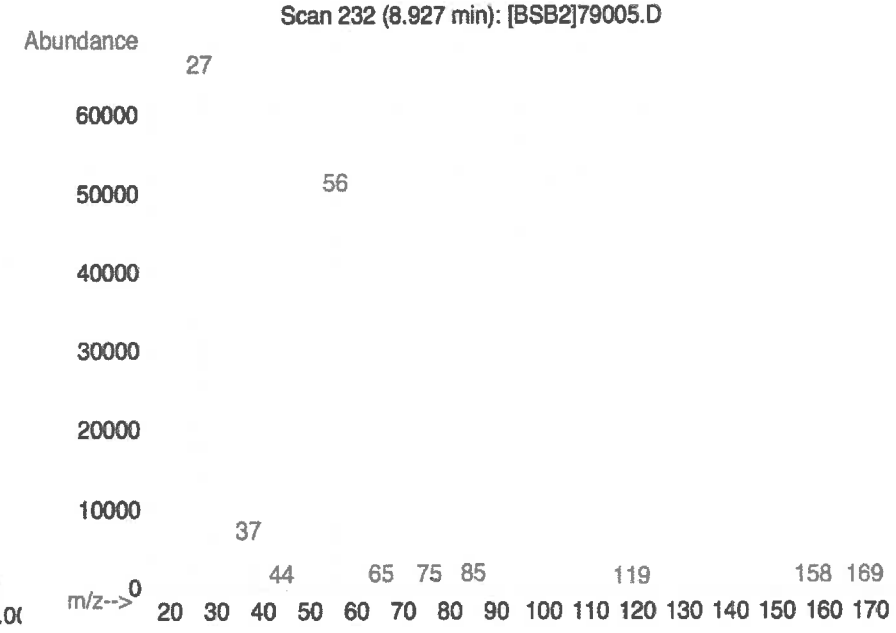
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	010725
Formulated By: Anthony Mahoney	DATE
	010725
Reviewed By: Pedro L. Rentas	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	0.05178	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.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

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.
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Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

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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

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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): Methanol **Lot#** 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 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

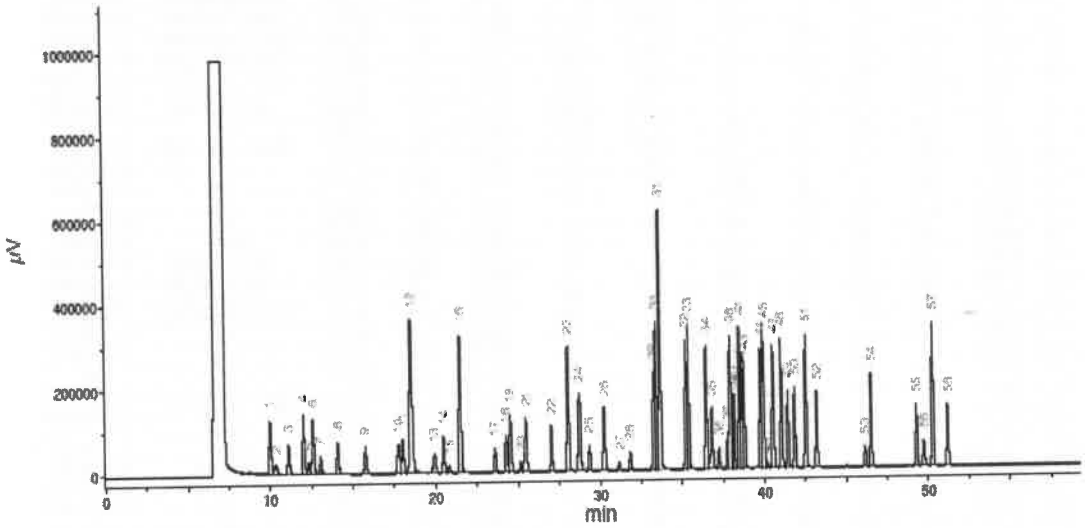
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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)	IK18CAS0000	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	40003.6	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	33.86
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): Methanol **Lot#** 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

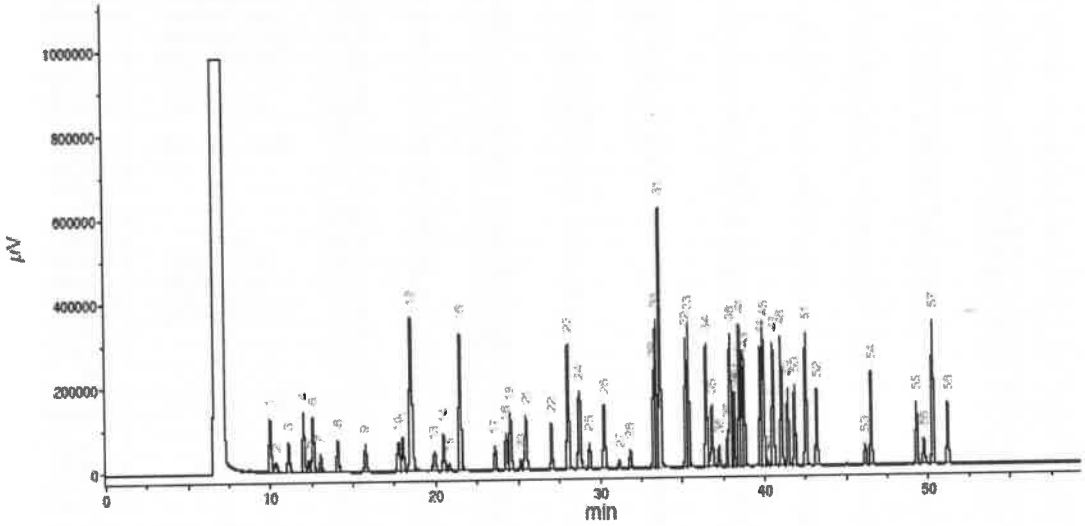
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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)	IK18CAS0000	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	40003.6	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	33.86
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.

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800-368-1131
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Certified Reference Material CRM

Rec 09/16/24 2 Vials

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AR-1539 Certificate Numb
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

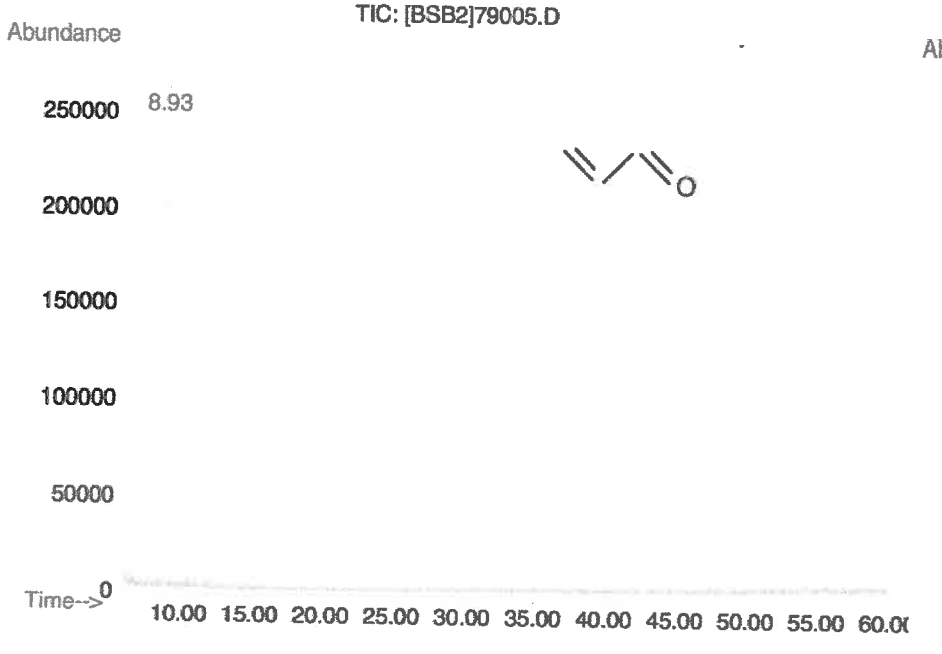
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

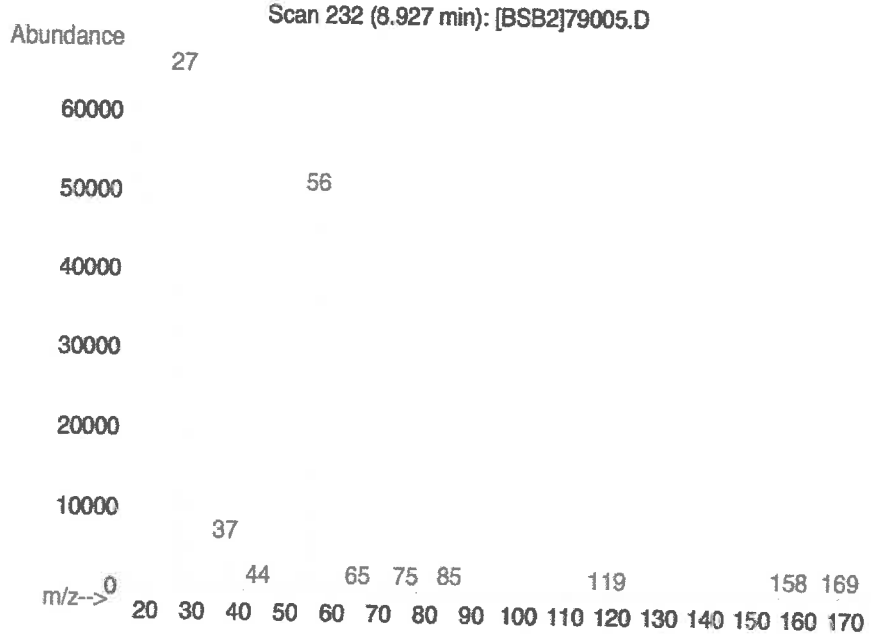
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	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).

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Certified Reference Material CRM

Rec 09/16/24 2 Vials

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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

Weight(s) shown below were combined and diluted to (mL): 10.0

Solvent(s): **Lot#**
Water 072324Q

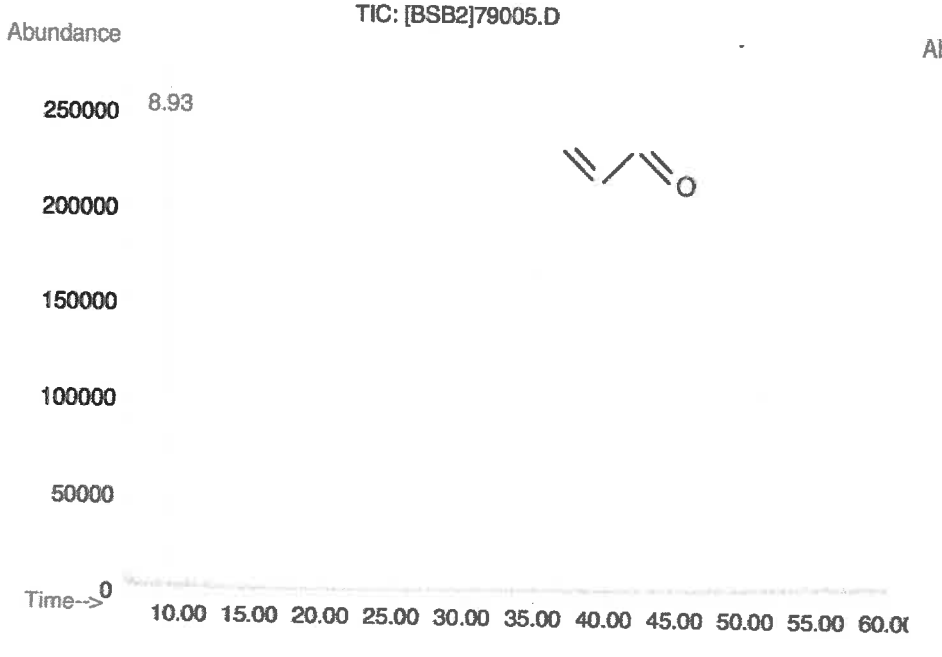
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

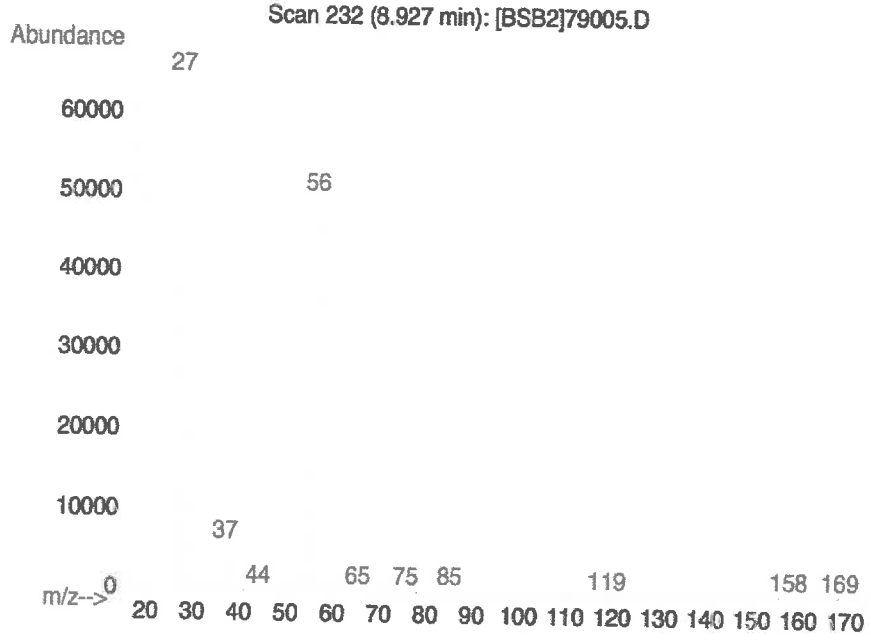
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas 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.





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- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

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

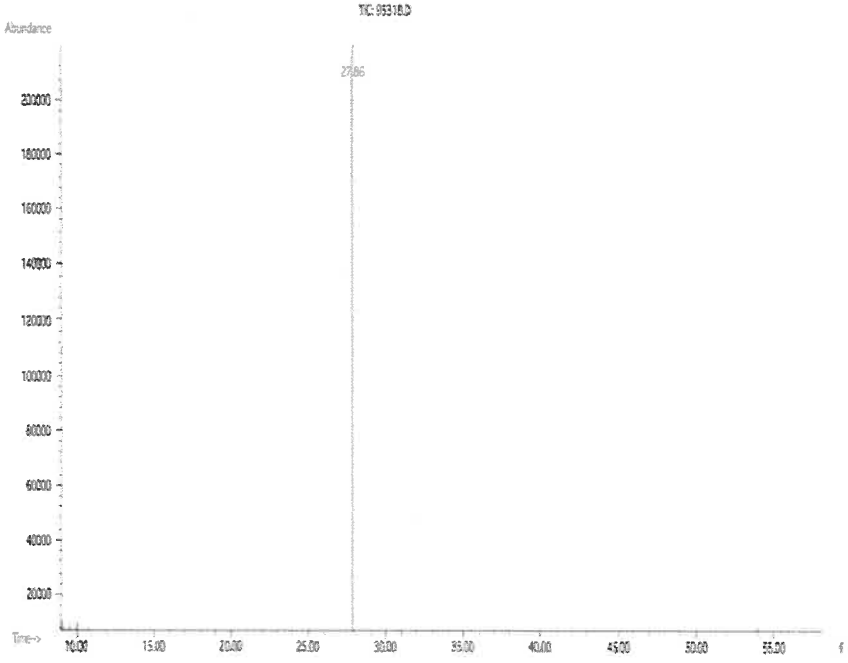
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

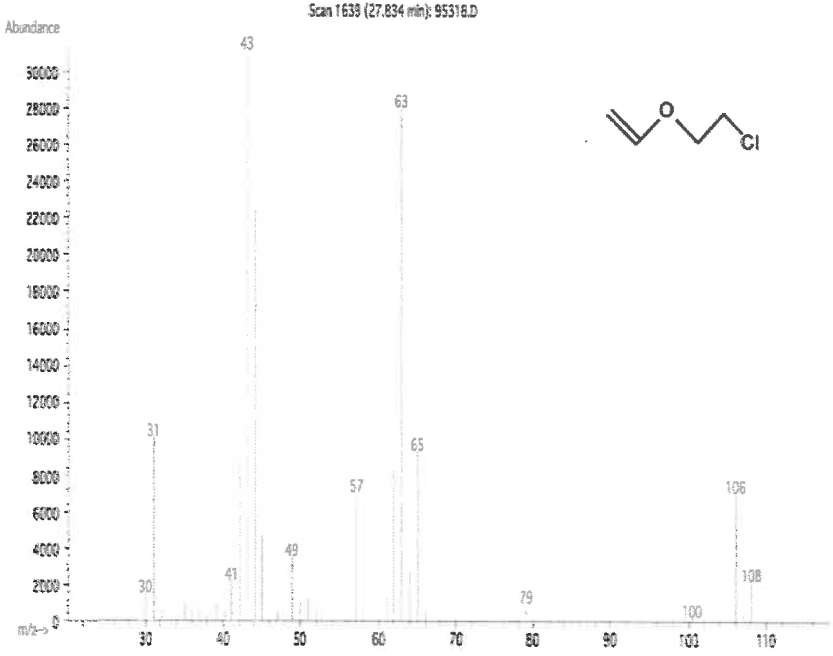
Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE

Pedro Rentas 120524
Reviewed By: Pedro L. Rentas 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.





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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.

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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

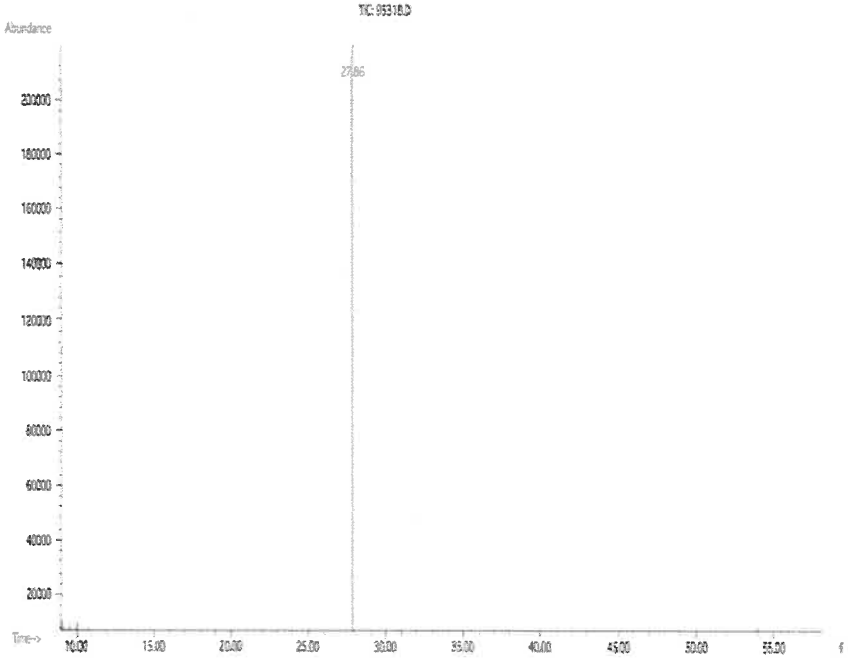
V14630 to V14649

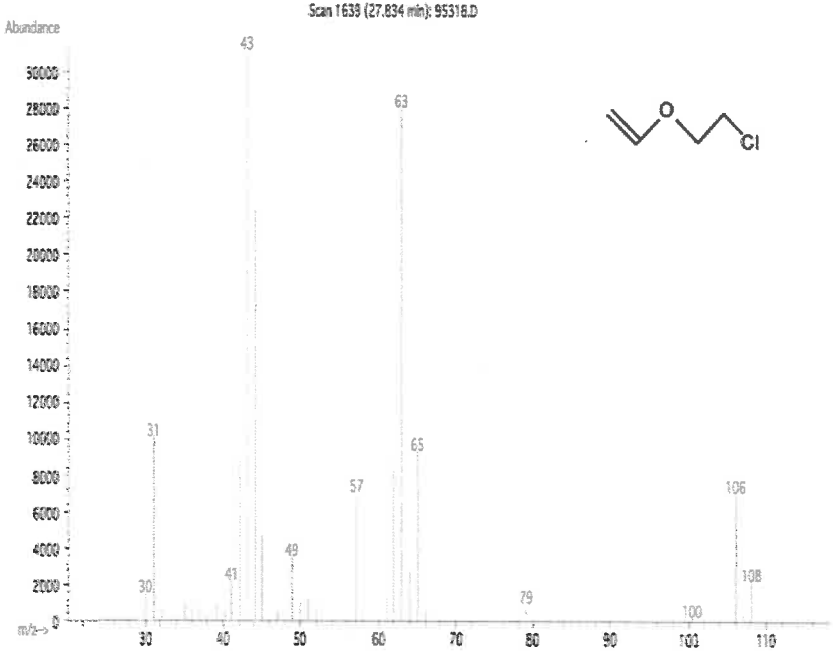
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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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**
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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.
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Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

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Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
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Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
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Vapor Pressure (mm Hg)	96	Melting Point	-98°C
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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
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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

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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

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

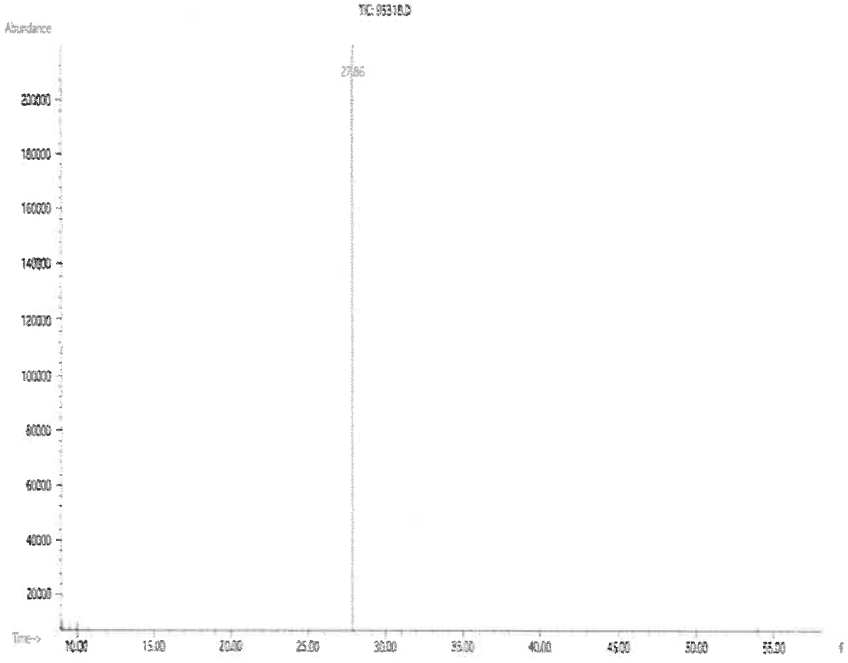
Solvent(s): Methanol **Lot#** EJ143-US

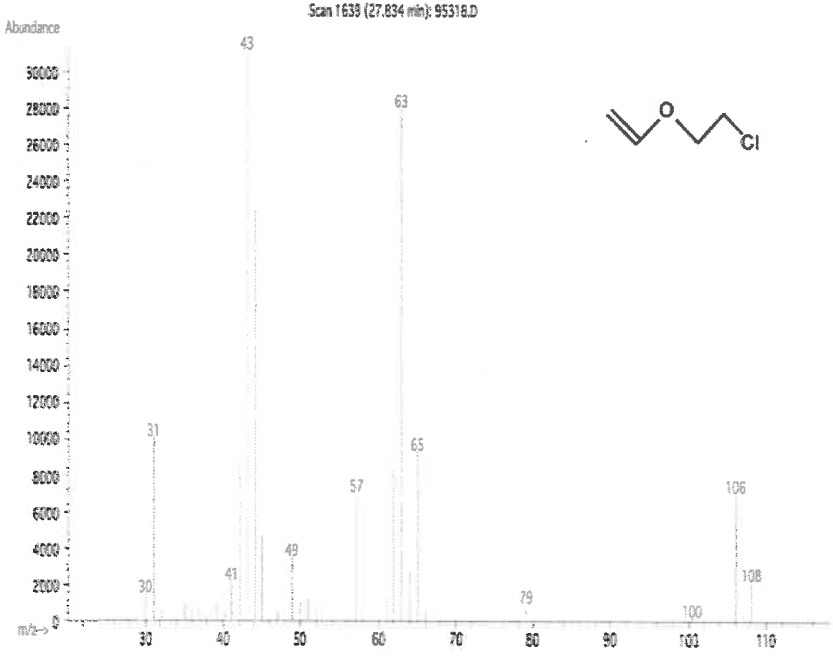
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	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.
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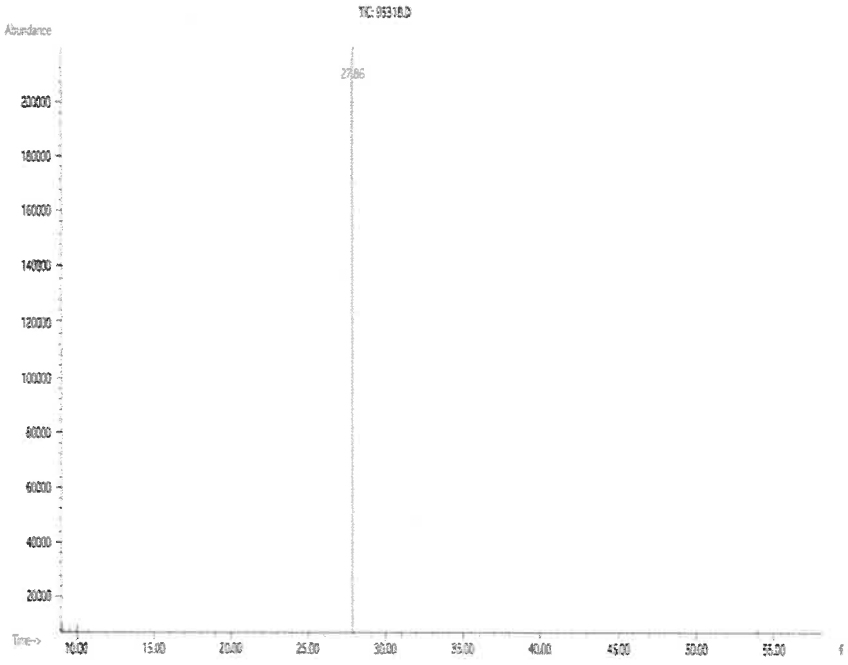
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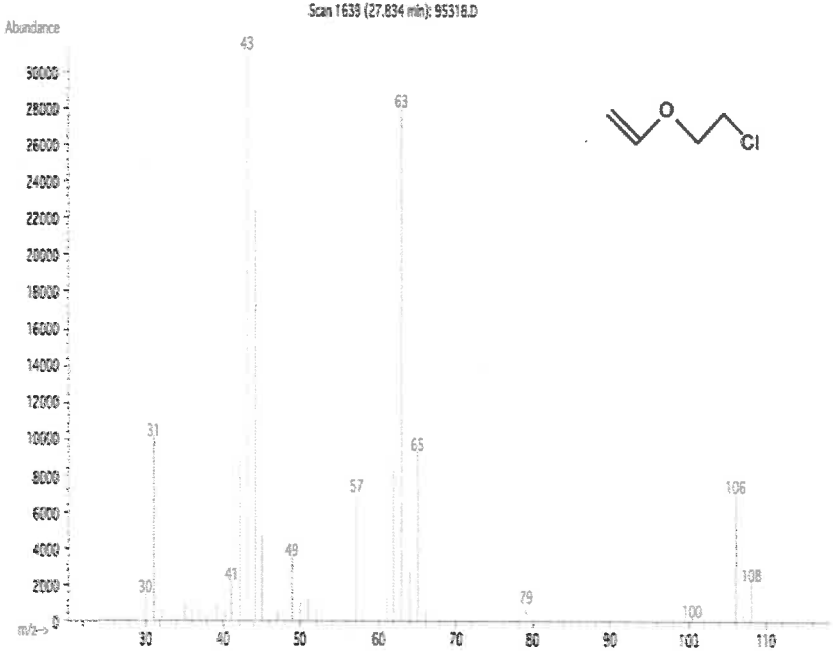
Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE

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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)

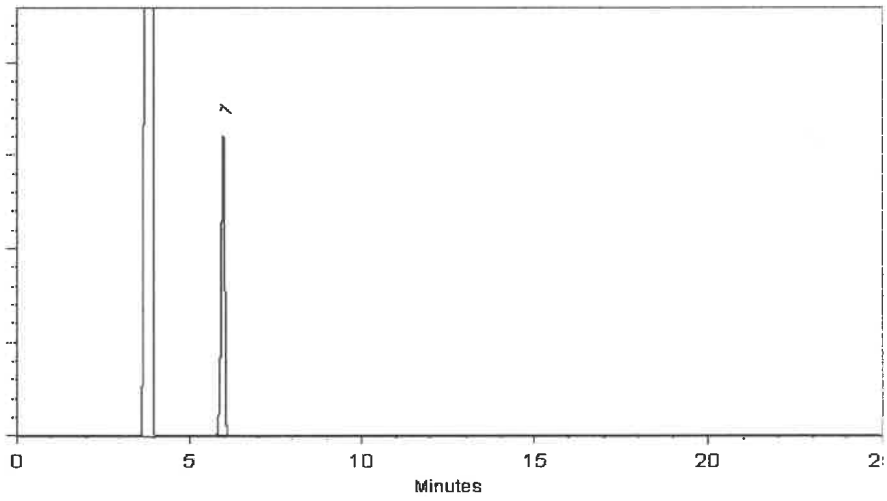
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Merlina 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
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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.)

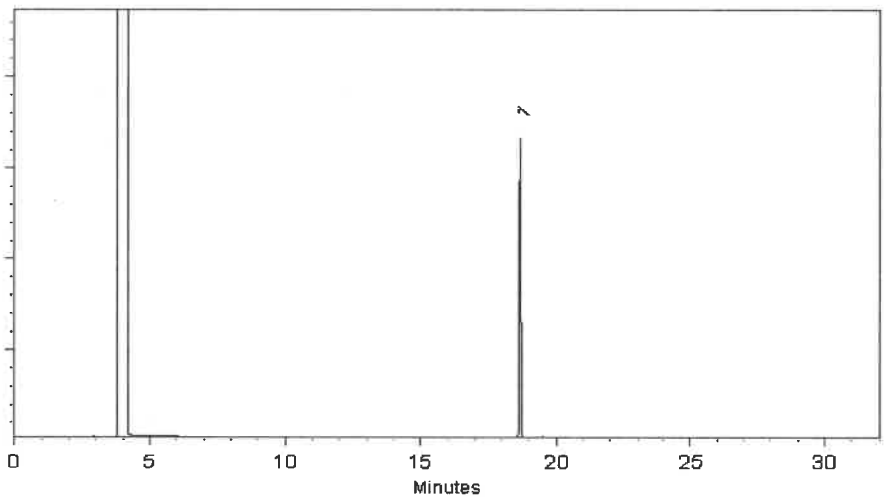
Inj. Temp:
200°C

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.
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RESTEK
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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.

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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.)

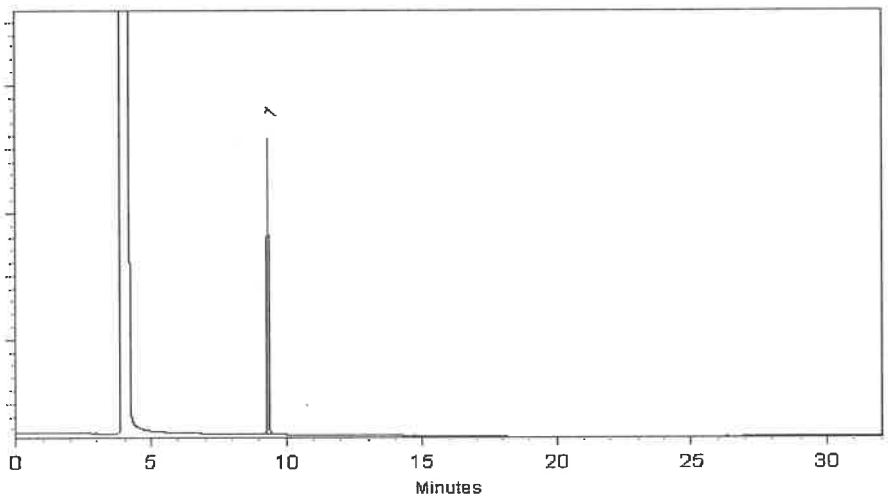
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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:

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- 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.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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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.)

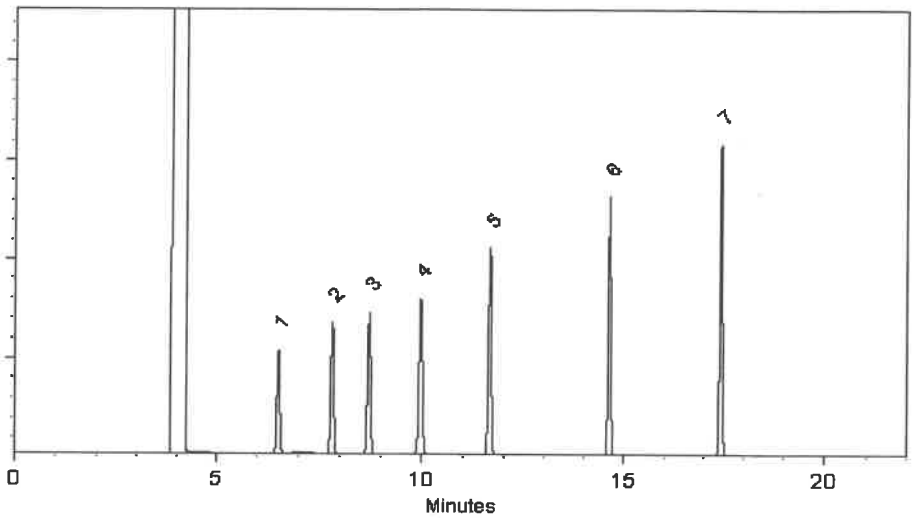
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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:

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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
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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
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

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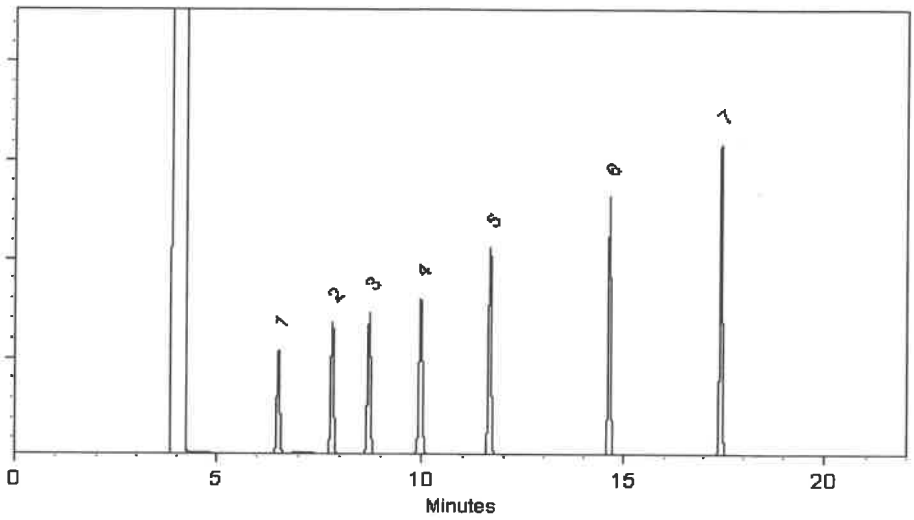
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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
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Certificate #FM 80397

General Certified Reference Material Notes

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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

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- 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.

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CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis

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Certificate #3222.01

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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.)

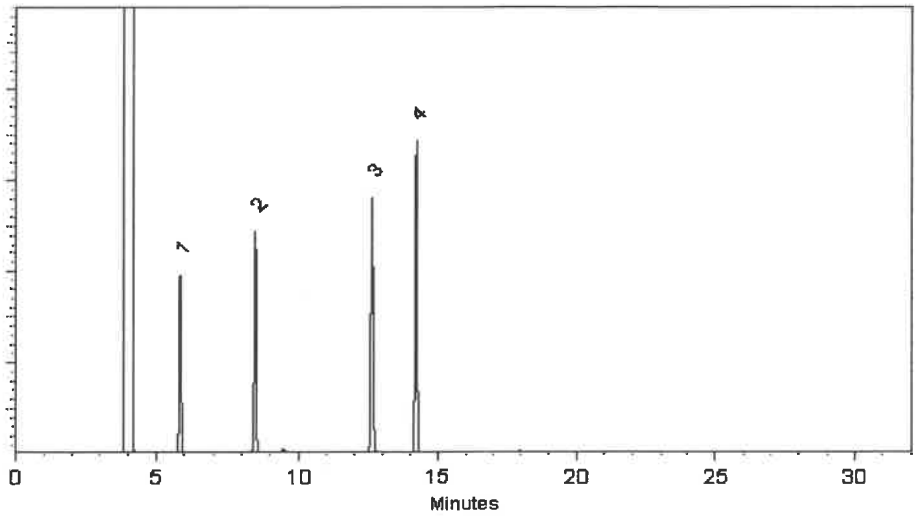
Inj. Temp:
200°C

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.
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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.)

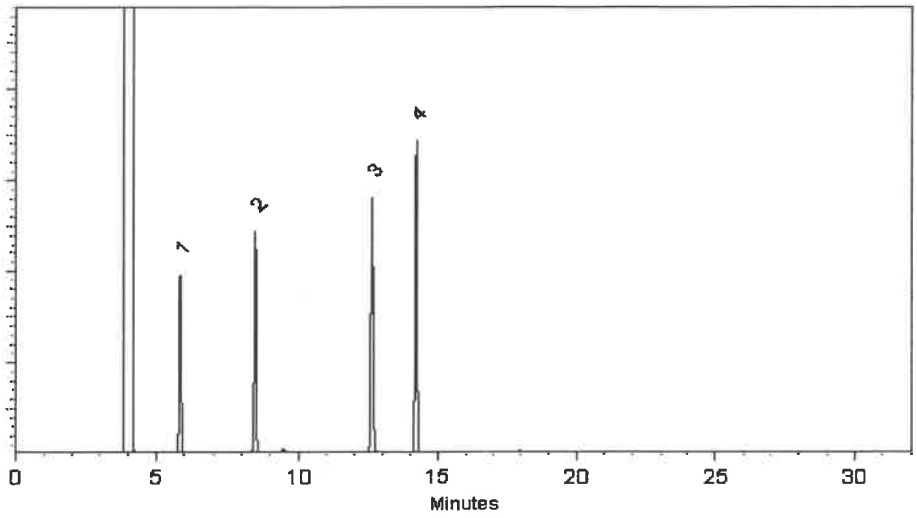
Inj. Temp:
200°C

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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate #3222.01

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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.)

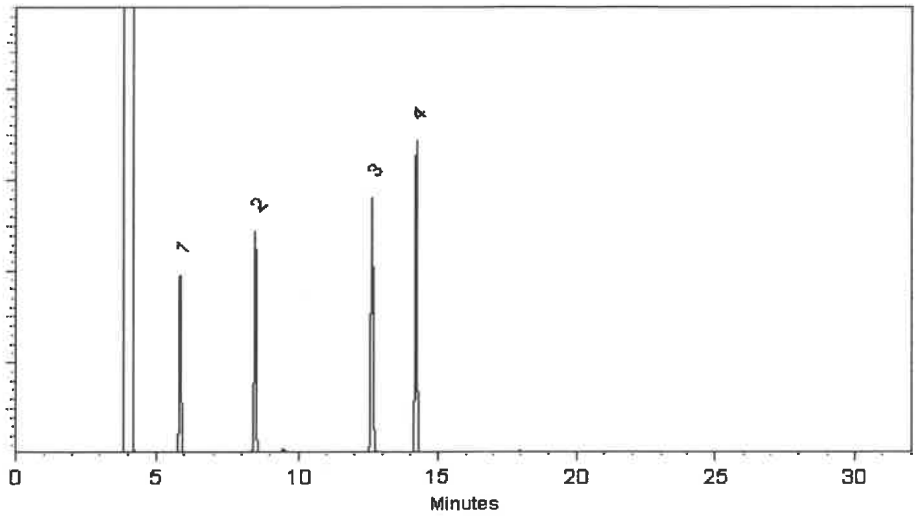
Inj. Temp:
200°C

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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

30 Vial

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chromatographic plus

V14727 to
V14756

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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.

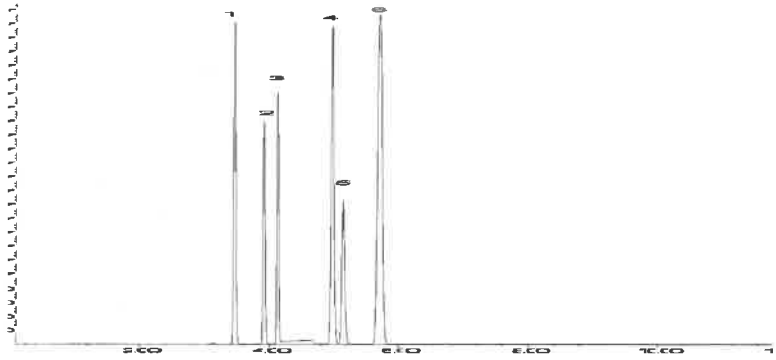
Inj. Temp:
200°C

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.
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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

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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.

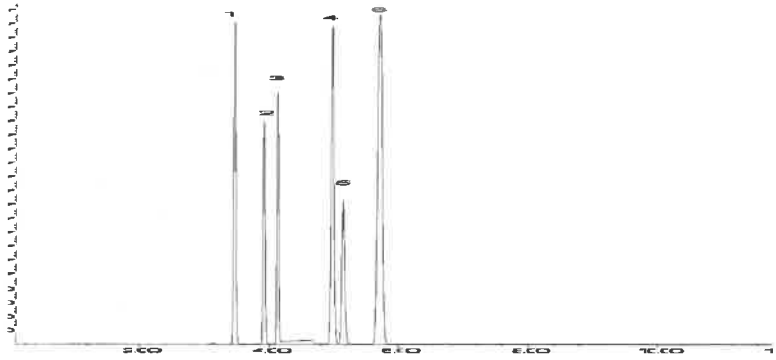
Inj. Temp:
200°C

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

Zoviy Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

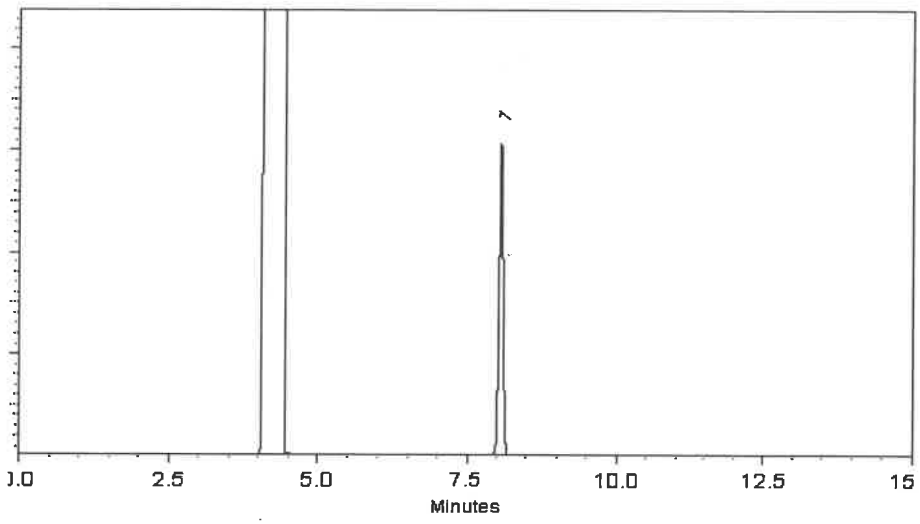
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED 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.)

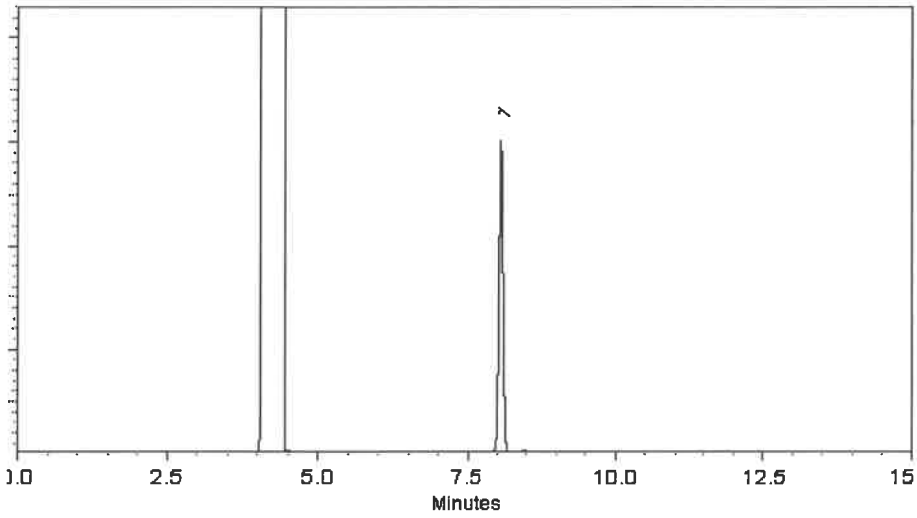
Inj. Temp:
200°C

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 Suckal - 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
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Titrable Base (µeq/g)	≤ 0.10	0.03
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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)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q1241-01	39.88-32.722=7.16	09:11	39.20-32.842=6.36	09:12	38.23-27.927=10.3	09:13	V14143	01/31/2025	8260 TERRACORE SAMPLES
2	Q1241-05	41.30-31.522=9.78	09:14	38.64-30.903=7.74	09:15	42.70-29.791=12.91	09:16	V14143	01/31/2025	
3	Q1241-09	43.81-33.192=10.62	09:17	42.67-32.916=9.75	09:18	36.84-27.982=8.86	09:19	V14143	01/31/2025	
4	Q1241-13	40.90-30.866=10.03	09:20	41.80-31.288=10.51	09:21	41.96-29.937=12.02	09:22	V14143	01/31/2025	
5	Q1241-17	43.82-33.172=10.65	09:23	41.72-32.606=9.11	09:24	39.02-27.985=11.04	09:25	V14143	01/31/2025	

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

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. Q1241
QUOTE NO.
COC Number 2041692

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RU2 Engineering LLC
ADDRESS: 2 Melinda Drive, Monroe Twp, NJ 08831
CITY ZIP:
ATTENTION: Rutu Manani
PHONE: 609-409-4564 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SANDTWOBR BMCR Project
PROJECT NO.: LOCATION: Brooklyn, NYC
PROJECT MANAGER: Rutu Manani
e-mail: Rmanani@Ru2eng.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same as company address PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard 10 days DAYS*
HARDCOPY (DATA PACKAGE): Standard 10 days DAYS*
EDD: Standard 10 days DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 TCL VOCs + TICs, MTBE, TBA
2 TCLP VOCs
3 TPH GRO-DRO
4 TCL SVOCs + TICs
5 TAL Metals
6 Pesticides, PCBs
7 RCRA characteristics
8 Paint filter
9 full TCLP

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	JPP-3.5-013025	Soil		G	1/30/25	8:11	3	X	X	X	RA	X					
2.	JPP-3.5-013025	Soil	C		1/30/25	8:20	8			X	X	X	X	X	X	X	
3.	JPP-5.3-013025	Soil		G	1/30/25	8:52	3	X	X	X							
4.	JPP-5.3-013025	Soil	C		1/30/25	9:00	8			X	X	X	X	X	X	X	
5.	JPP-5.2-013025	Soil		G	1/30/25	9:46	3	X	X	X							
6.	JPP-5.2-013025	Soil	C		1/30/25	9:54	8			X	X	X	X	X	X	X	
7.	JPP-5.4-013025	Soil		G	1/30/25	10:43	3	X	X	X							
8.	JPP-5.4-013025	Soil	C		1/30/25	10:51	8			X	X	X	X	X	X	X	
9.	JPP-5.4-013025	Soil		G	1/30/25	11:48	3	X	X	X							
10.	JPP-5.4-013025	Soil	C		1/30/25	11:56	8			X	X	X	X	X	X	X	

COMMENTS ← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. RA	1-30-25 1453	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.1-C °C
Comments: Preserve extra Sample Jar if additional analysis is Required.
Fed-Ex #

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

Copyright © 2023

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1241 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/30/2025 2:58:00 PM
Project Name : NYCDDC SANTWOBR Bı
Receive DateTime : 1/30/2025 2:53:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1241-01	JPP-3.5-013025	Solid	01/30/2025	08:11					
					VOCMS Group1		8260D		10 Bus. Days
Q1241-05	JPP-5.3-013025	Solid	01/30/2025	08:52					
					VOCMS Group1		8260D		10 Bus. Days
Q1241-09	JPP-5.2-013025	Solid	01/30/2025	09:46					
					VOCMS Group1		8260D		10 Bus. Days
Q1241-13	JPP-5.4-013025	Solid	01/30/2025	10:43					
					VOCMS Group1		8260D		10 Bus. Days
Q1241-17	JPP-51.4-013025	Solid	01/30/2025	11:48					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By : [signature]
Date / Time : 1-30-25 1550

Received By : JC
Date / Time : 1/30/25 1550

Storage Area : VOA Refridgerator Room

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1241 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/30/2025 2:58:00 PM
Project Name : NYCDDC SANTWOBR B1
Receive DateTime : 1/30/2025 2:53:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1241-01	JPP-3.5-013025	Solid	01/30/2025	08:11					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1241-05	JPP-5.3-013025	Solid	01/30/2025	08:52					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1241-09	JPP-5.2-013025	Solid	01/30/2025	09:46					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1241-13	JPP-5.4-013025	Solid	01/30/2025	10:43					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1241-17	JPP-51.4-013025	Solid	01/30/2025	11:48					
					Gasoline Range Organics		8015D		10 Bus. Days

Relinguished By : cl
Date / Time : 1-30-25 1550

Received By : JC
Date / Time : 1/30/25 1550

Storage Area : VOA Refridgerator Room