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Cover Page

Order ID : Q1488

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q1488-01	ENV-101-SB01
Q1488-02	ENV-101-SB01
Q1488-03	ENV-101-SB02
Q1488-04	ENV-101-SB02
Q1488-05	ENV-102-SB01
Q1488-06	ENV-102-SB01
Q1488-07	ENV-102-SB02
Q1488-08	ENV-102-SB02
Q1488-09	ENV-104-SB01
Q1488-10	ENV-104-SB01
Q1488-11	ENV-104-SB02
Q1488-12	ENV-104-SB02
Q1488-13	ENV-102-GW01
Q1488-14	ENV-104-GW01
Q1488-15	TB03042025

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

Signature : _____

Date: 3/11/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1488**

	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: **PRATHA PARGHI** **Date:** **03/11/2025**

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LAB CHRONICLE

OrderID:	Q1488	**OrderDate:**	3/4/2025 3:39:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	H31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1488-01	**ENV-101-SB01**	**SOIL**			**03/04/25**			**03/04/25**
			VOC-TCLVOA-10	8260D			03/06/25	
Q1488-02	**ENV-101-SB01**	**TCLP**			**03/04/25**			**03/04/25**
			TCLP VOA	8260D			03/06/25	
Q1488-03	**ENV-101-SB02**	**SOIL**			**03/04/25**			**03/04/25**
			VOC-TCLVOA-10	8260D			03/06/25	
Q1488-04	**ENV-101-SB02**	**TCLP**			**03/04/25**			**03/04/25**
			TCLP VOA	8260D			03/06/25	
Q1488-05	**ENV-102-SB01**	**SOIL**			**03/04/25**			**03/04/25**
			VOC-TCLVOA-10	8260D			03/06/25	
Q1488-06	**ENV-102-SB01**	**TCLP**			**03/04/25**			**03/04/25**
			TCLP VOA	8260D			03/06/25	
Q1488-07	**ENV-102-SB02**	**SOIL**			**03/04/25**			**03/04/25**
			VOC-TCLVOA-10	8260D			03/07/25	
Q1488-08	**ENV-102-SB02**	**TCLP**			**03/04/25**			**03/04/25**
			TCLP VOA	8260D			03/06/25	
Q1488-09	**ENV-104-SB01**	**SOIL**			**03/04/25**			**03/04/25**
			VOC-TCLVOA-10	8260D			03/07/25	
Q1488-10	**ENV-104-SB01**	**TCLP**			**03/04/25**			**03/04/25**
			TCLP VOA	8260D			03/06/25	
Q1488-11	**ENV-104-SB02**	**SOIL**			**03/04/25**			**03/04/25**
			VOC-TCLVOA-10	8260D			03/07/25	
Q1488-12	**ENV-104-SB02**	**TCLP**			**03/04/25**			**03/04/25**

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LAB CHRONICLE

			TCLP VOA	8260D		03/06/25	
Q1488-13	**ENV-102-GW01**	**Water**			**03/04/25**		**03/04/25**
			VOC-TCLVOA-10	8260-Low		03/05/25	
Q1488-14	**ENV-104-GW01**	**Water**			**03/04/25**		**03/04/25**
			VOC-TCLVOA-10	8260-Low		03/05/25	
Q1488-14DL	**ENV-104-GW01DL**	**Water**			**03/04/25**		**03/04/25**
			VOC-TCLVOA-10	8260-Low		03/06/25	
Q1488-15	**TB03042025**	**Water**			**03/04/25**		**03/04/25**
			VOC-TCLVOA-10	8260-Low		03/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**ENV-101-SB02**							
Q1488-03	ENV-101-SB02	SOIL	Acetone	11.4	J	4.30	17.1	ug/Kg
			Total Voc :	11.4				
Q1488-03	ENV-101-SB02	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	4.70	J	0	0	ug/Kg
			Total Tics :	4.70				
			Total Concentration:	16.1				
Client ID:	**ENV-102-SB02**							
Q1488-07	ENV-102-SB02	SOIL	Acetone	8.60	J	5.30	21.1	ug/Kg
Q1488-07	ENV-102-SB02	SOIL	Carbon Disulfide	8.40		1.10	4.20	ug/Kg
			Total Voc :	17.0				
			Total Concentration:	17.0				
Client ID:	**ENV-104-SB01**							
Q1488-09	ENV-104-SB01	SOIL	Acetone	9.00	J	6.40	25.6	ug/Kg
			Total Voc :	9.00				
			Total Concentration:	9.00				
Client ID:	**ENV-104-SB02**							
Q1488-11	ENV-104-SB02	SOIL	Acetone	150		6.20	24.8	ug/Kg
Q1488-11	ENV-104-SB02	SOIL	Carbon Disulfide	1.30	J	1.30	5.00	ug/Kg
Q1488-11	ENV-104-SB02	SOIL	Methylene Chloride	4.30	J	3.40	9.90	ug/Kg
			Total Voc :	156				
Q1488-11	ENV-104-SB02	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	21.6	J	0	0	ug/Kg
Q1488-11	ENV-104-SB02	SOIL	Tert butyl alcohol *	140	J	15.5	24.8	ug/Kg
			Total Tics :	162				
			Total Concentration:	317				
Client ID:	**ENV-102-GW01**							
Q1488-13	ENV-102-GW01	Water	Acetone	9.00		1.40	5.00	ug/L
Q1488-13	ENV-102-GW01	Water	Toluene	2.70		0.18	1.00	ug/L
			Total Voc :	11.7				
			Total Concentration:	11.7				
Client ID:	**ENV-104-GW01**							
Q1488-14	ENV-104-GW01	Water	Acetone	830	E	1.40	5.00	ug/L
Q1488-14	ENV-104-GW01	Water	Methylcyclohexane	0.39	J	0.19	1.00	ug/L
Q1488-14	ENV-104-GW01	Water	Toluene	0.31	J	0.18	1.00	ug/L
			Total Voc :	831				
			Total Concentration:	831				
Client ID:	**ENV-104-GW01DL**							
Q1488-14DL	ENV-104-GW01DL	Water	Acetone	1000	D	5.60	20.0	ug/L
			Total Voc :	1000				
			Total Concentration:	1000				

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Hit Summary Sheet
SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

QC
SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q1488-01	ENV-101-SB01	1,2-Dichloroethane-d4	50	65.1	130		70 (63)	130 (155)
		Dibromofluoromethane	50	52.5	105		70 (70)	130 (134)
		Toluene-d8	50	48.8	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.9	92		70 (38)	130 (136)
Q1488-03	ENV-101-SB02	1,2-Dichloroethane-d4	50	60.7	121		70 (63)	130 (155)
		Dibromofluoromethane	50	51.7	103		70 (70)	130 (134)
		Toluene-d8	50	48.8	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.8	86		70 (38)	130 (136)
Q1488-05	ENV-102-SB01	1,2-Dichloroethane-d4	50	64.0	128		70 (63)	130 (155)
		Dibromofluoromethane	50	52.7	105		70 (70)	130 (134)
		Toluene-d8	50	49.2	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.3	93		70 (38)	130 (136)
Q1488-07	ENV-102-SB02	1,2-Dichloroethane-d4	50	56.9	114		70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101		70 (70)	130 (134)
		Toluene-d8	50	47.9	96		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.0	84		70 (38)	130 (136)
Q1488-09	ENV-104-SB01	1,2-Dichloroethane-d4	50	55.9	112		70 (63)	130 (155)
		Dibromofluoromethane	50	52.3	105		70 (70)	130 (134)
		Toluene-d8	50	48.5	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	33.0	66	*	70 (38)	130 (136)
Q1488-11	ENV-104-SB02	1,2-Dichloroethane-d4	50	55.2	110		70 (63)	130 (155)
		Dibromofluoromethane	50	52.2	104		70 (70)	130 (134)
		Toluene-d8	50	44.3	89		70 (74)	130 (123)
		4-Bromofluorobenzene	50	26.3	53	*	70 (38)	130 (136)
VY0306SBL01	VY0306SBL01	1,2-Dichloroethane-d4	50	58.5	117		70 (63)	130 (155)
		Dibromofluoromethane	50	51.1	102		70 (70)	130 (134)
		Toluene-d8	50	48.6	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	43.6	87		70 (38)	130 (136)
VY0306SBS01	VY0306SBS01	1,2-Dichloroethane-d4	50	53.2	106		70 (63)	130 (155)
		Dibromofluoromethane	50	50.1	100		70 (70)	130 (134)
		Toluene-d8	50	49.5	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.8	102		70 (38)	130 (136)
VY0306SBSD01	VY0306SBSD01	1,2-Dichloroethane-d4	50	55.0	110		70 (63)	130 (155)
		Dibromofluoromethane	50	52.0	104		70 (70)	130 (134)
		Toluene-d8	50	51.4	103		70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.6	105		70 (38)	130 (136)
VY0307SBL01	VY0307SBL01	1,2-Dichloroethane-d4	50	55.4	111		70 (63)	130 (155)
		Dibromofluoromethane	50	50.2	100		70 (70)	130 (134)
		Toluene-d8	50	48.5	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.1	80		70 (38)	130 (136)
VY0307SBS01	VY0307SBS01	1,2-Dichloroethane-d4	50	53.1	106		70 (63)	130 (155)
		Dibromofluoromethane	50	52.0	104		70 (70)	130 (134)
		Toluene-d8	50	51.9	104		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.9	102		70 (38)	130 (136)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1488-13	ENV-102-GW01	1,2-Dichloroethane-d4	50	53.0	106	70 (74)	130 (125)
		Dibromofluoromethane	50	51.2	102	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.3	109	70 (77)	130 (121)
Q1488-14	ENV-104-GW01	1,2-Dichloroethane-d4	50	51.8	104	70 (74)	130 (125)
		Dibromofluoromethane	50	51.1	102	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.3	103	70 (77)	130 (121)
Q1488-14DL	ENV-104-GW01DL	1,2-Dichloroethane-d4	50	52.0	104	70 (74)	130 (125)
		Dibromofluoromethane	50	53.1	106	70 (75)	130 (124)
		Toluene-d8	50	53.4	107	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.8	104	70 (77)	130 (121)
Q1488-15	TB03042025	1,2-Dichloroethane-d4	50	53.4	107	70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102	70 (75)	130 (124)
		Toluene-d8	50	51.4	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.9	100	70 (77)	130 (121)
VX0305WBL01	VX0305WBL01	1,2-Dichloroethane-d4	50	52.7	105	70 (74)	130 (125)
		Dibromofluoromethane	50	51.0	102	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.5	103	70 (77)	130 (121)
VX0305WBS01	VX0305WBS01	1,2-Dichloroethane-d4	50	48.4	97	70 (74)	130 (125)
		Dibromofluoromethane	50	49.3	99	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.5	99	70 (77)	130 (121)
VX0305WBSD0	VX0305WBSD01	1,2-Dichloroethane-d4	50	49.3	99	70 (74)	130 (125)
		Dibromofluoromethane	50	50.5	101	70 (75)	130 (124)
		Toluene-d8	50	51.1	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.2	102	70 (77)	130 (121)
VX0306WBL01	VX0306WBL01	1,2-Dichloroethane-d4	50	53.9	108	70 (74)	130 (125)
		Dibromofluoromethane	50	52.4	105	70 (75)	130 (124)
		Toluene-d8	50	52.3	105	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.8	104	70 (77)	130 (121)
VX0306WBS01	VX0306WBS01	1,2-Dichloroethane-d4	50	50.2	100	70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102	70 (75)	130 (124)
		Toluene-d8	50	50.3	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.2	98	70 (77)	130 (121)

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( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX045130.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0305WBS01	Dichlorodifluoromethane	20	17.3	ug/L	86			40 (69)	160 (116)	
	Chloromethane	20	17.2	ug/L	86			40 (65)	160 (116)	
	Vinyl chloride	20	16.6	ug/L	83			70 (65)	130 (117)	
	Bromomethane	20	17.0	ug/L	85			40 (58)	160 (125)	
	Chloroethane	20	15.5	ug/L	78			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.1	ug/L	91			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.1	ug/L	96			70 (80)	130 (112)	
	1,1-Dichloroethene	20	17.5	ug/L	88			70 (74)	130 (110)	
	Acetone	100	83.6	ug/L	84			40 (60)	160 (125)	
	Carbon disulfide	20	16.0	ug/L	80			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	17.2	ug/L	86			70 (78)	130 (114)	
	Methyl Acetate	20	18.4	ug/L	92			70 (67)	130 (125)	
	Methylene Chloride	20	17.2	ug/L	86			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.2	ug/L	91			70 (75)	130 (108)	
	1,1-Dichloroethane	20	17.5	ug/L	88			70 (78)	130 (112)	
	Cyclohexane	20	18.5	ug/L	93			70 (75)	130 (110)	
	2-Butanone	100	88.4	ug/L	88			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.0	ug/L	90			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	17.7	ug/L	89			70 (77)	130 (110)	
	Bromochloromethane	20	21.1	ug/L	106			70 (70)	130 (124)	
	Chloroform	20	17.6	ug/L	88			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	17.8	ug/L	89			70 (80)	130 (108)	
	Methylcyclohexane	20	19.1	ug/L	96			70 (72)	130 (115)	
	Benzene	20	18.2	ug/L	91			70 (82)	130 (109)	
	1,2-Dichloroethane	20	17.8	ug/L	89			70 (80)	130 (115)	
	Trichloroethene	20	17.5	ug/L	88			70 (77)	130 (113)	
	1,2-Dichloropropane	20	17.5	ug/L	88			70 (83)	130 (111)	
	Bromodichloromethane	20	17.8	ug/L	89			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	89.5	ug/L	90			40 (74)	160 (118)	
	Toluene	20	18.4	ug/L	92			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	17.8	ug/L	89			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.3	ug/L	92			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	17.8	ug/L	89			70 (83)	130 (112)	
	2-Hexanone	100	89.1	ug/L	89			40 (73)	160 (117)	
	Dibromochloromethane	20	17.1	ug/L	86			70 (82)	130 (110)	
	1,2-Dibromoethane	20	17.9	ug/L	90			70 (81)	130 (110)	
	Tetrachloroethene	20	18.5	ug/L	93			70 (67)	130 (123)	
	Chlorobenzene	20	18.5	ug/L	93			70 (82)	130 (109)	
	Ethyl Benzene	20	18.5	ug/L	93			70 (83)	130 (109)	
	m/p-Xylenes	40	38.3	ug/L	96			70 (82)	130 (110)	
	o-Xylene	20	18.5	ug/L	93			70 (83)	130 (109)	
	Styrene	20	18.4	ug/L	92			70 (80)	130 (111)	
	Bromoform	20	17.5	ug/L	88			70 (79)	130 (109)	
	Isopropylbenzene	20	18.5	ug/L	93			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.5	ug/L	88			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.4	ug/L	92			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.2	ug/L	91			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.2	ug/L	91			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX045130.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0305WBS01	1,2-Dibromo-3-Chloropropane	20	16.8	ug/L	84			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.7	ug/L	94			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX045135.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0305WBSD01	Dichlorodifluoromethane	20	19.4	ug/L	97	12		40 (69)	160 (116)	20 (20)
	Chloromethane	20	19.1	ug/L	96	11		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	18.1	ug/L	91	9		70 (65)	130 (117)	20 (20)
	Bromomethane	20	17.8	ug/L	89	5		40 (58)	160 (125)	20 (20)
	Chloroethane	20	16.0	ug/L	80	3		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	18.6	ug/L	93	2		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/L	102	6		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	19.1	ug/L	96	9		70 (74)	130 (110)	20 (20)
	Acetone	100	92.8	ug/L	93	10		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	15.9	ug/L	79	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.3	ug/L	97	12		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	20.6	ug/L	103	11		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.1	ug/L	96	11		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.9	ug/L	100	9		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	19.6	ug/L	98	11		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	19.9	ug/L	100	7		70 (75)	130 (110)	20 (20)
	2-Butanone	100	100	ug/L	100	13		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	18.1	ug/L	91	1		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.7	ug/L	99	11		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	22.2	ug/L	111	5		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.3	ug/L	97	10		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.0	ug/L	95	7		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	21.1	ug/L	106	10		70 (72)	130 (115)	20 (20)
	Benzene	20	19.8	ug/L	99	8		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	19.6	ug/L	98	10		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.5	ug/L	93	6		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	19.4	ug/L	97	10		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	18.6	ug/L	93	4		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	100	ug/L	100	11		40 (74)	160 (118)	20 (20)
	Toluene	20	20.7	ug/L	104	12		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	18.9	ug/L	95	7		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	6		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	19.9	ug/L	100	12		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	100	ug/L	100	12		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	18.5	ug/L	93	8		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.0	ug/L	95	5		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.8	ug/L	99	6		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.5	ug/L	98	5		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	20.0	ug/L	100	7		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	41.6	ug/L	104	8		70 (82)	130 (110)	20 (20)
	o-Xylene	20	19.9	ug/L	100	7		70 (83)	130 (109)	20 (20)
	Styrene	20	20.1	ug/L	101	9		70 (80)	130 (111)	20 (20)
	Bromoform	20	17.2	ug/L	86	2		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	20.2	ug/L	101	8		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	19.5	ug/L	98	11		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	20.3	ug/L	102	10		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.7	ug/L	99	8		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	20.2	ug/L	101	10		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX045135.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0305WBSD01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/L	92	9		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	20.0	ug/L	100	11		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	20.1	ug/L	101	7		70 (76)	130 (114)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX045158.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0306WBS01	Dichlorodifluoromethane	20	20.7	ug/L	104			40 (69)	160 (116)	
	Chloromethane	20	19.1	ug/L	96			40 (65)	160 (116)	
	Vinyl chloride	20	19.4	ug/L	97			70 (65)	130 (117)	
	Bromomethane	20	18.9	ug/L	95			40 (58)	160 (125)	
	Chloroethane	20	17.4	ug/L	87			40 (56)	160 (128)	
	Trichlorofluoromethane	20	21.0	ug/L	105			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	23.0	ug/L	115			70 (80)	130 (112)	
	1,1-Dichloroethene	20	21.3	ug/L	106			70 (74)	130 (110)	
	Acetone	100	98.2	ug/L	98			40 (60)	160 (125)	
	Carbon disulfide	20	17.8	ug/L	89			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.7	ug/L	104			70 (78)	130 (114)	
	Methyl Acetate	20	22.5	ug/L	113			70 (67)	130 (125)	
	Methylene Chloride	20	20.1	ug/L	101			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	22.0	ug/L	110			70 (75)	130 (108)	
	1,1-Dichloroethane	20	21.0	ug/L	105			70 (78)	130 (112)	
	Cyclohexane	20	22.1	ug/L	111			70 (75)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.5	ug/L	103			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	21.2	ug/L	106			70 (77)	130 (110)	
	Bromochloromethane	20	18.1	ug/L	91			70 (70)	130 (124)	
	Chloroform	20	21.2	ug/L	106			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	21.1	ug/L	106			70 (80)	130 (108)	
	Methylcyclohexane	20	22.9	ug/L	115			70 (72)	130 (115)	
	Benzene	20	21.5	ug/L	108			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.4	ug/L	107			70 (80)	130 (115)	
	Trichloroethene	20	20.8	ug/L	104			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.0	ug/L	105			70 (83)	130 (111)	
	Bromodichloromethane	20	20.8	ug/L	104			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	21.8	ug/L	109			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.4	ug/L	102			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	21.2	ug/L	106			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.2	ug/L	101			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	19.5	ug/L	98			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.3	ug/L	102			70 (81)	130 (110)	
	Tetrachloroethene	20	22.2	ug/L	111			70 (67)	130 (123)	
	Chlorobenzene	20	21.6	ug/L	108			70 (82)	130 (109)	
	Ethyl Benzene	20	21.7	ug/L	109			70 (83)	130 (109)	
	m/p-Xylenes	40	44.0	ug/L	110			70 (82)	130 (110)	
	o-Xylene	20	21.5	ug/L	108			70 (83)	130 (109)	
	Styrene	20	21.7	ug/L	109			70 (80)	130 (111)	
	Bromoform	20	19.4	ug/L	97			70 (79)	130 (109)	
	Isopropylbenzene	20	21.3	ug/L	106			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.8	ug/L	104			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	20.8	ug/L	104			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	20.7	ug/L	104			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	21.1	ug/L	106			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX045158.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0306WBS01	1,2-Dibromo-3-Chloropropane	20	20.4	ug/L	102			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	21.2	ug/L	106			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	21.6	ug/L	108			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0306SBS01	Dichlorodifluoromethane	20	18.0	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	20	20.3	ug/Kg	102			40 (70)	160 (130)	
	Vinyl chloride	20	20.0	ug/Kg	100			70 (72)	130 (129)	
	Bromomethane	20	21.8	ug/Kg	109			40 (58)	160 (141)	
	Chloroethane	20	21.0	ug/Kg	105			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.0	ug/Kg	100			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/Kg	100			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.1	ug/Kg	96			70 (79)	130 (121)	
	Acetone	100	79.7	ug/Kg	80			40 (60)	160 (131)	
	Carbon disulfide	20	18.7	ug/Kg	94			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.0	ug/Kg	100			70 (77)	130 (129)	
	Methyl Acetate	20	20.6	ug/Kg	103			70 (69)	130 (149)	
	Methylene Chloride	20	19.3	ug/Kg	97			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	Cyclohexane	20	18.5	ug/Kg	93			70 (76)	130 (122)	
	2-Butanone	100	93.5	ug/Kg	94			40 (69)	160 (131)	
	Carbon Tetrachloride	20	18.5	ug/Kg	93			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	Bromochloromethane	20	20.7	ug/Kg	104			70 (80)	130 (127)	
	Chloroform	20	20.1	ug/Kg	101			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.2	ug/Kg	96			70 (80)	130 (126)	
	Methylcyclohexane	20	17.7	ug/Kg	89			70 (77)	130 (123)	
	Benzene	20	19.4	ug/Kg	97			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.2	ug/Kg	101			70 (81)	130 (126)	
	Trichloroethene	20	18.8	ug/Kg	94			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.2	ug/Kg	101			70 (83)	130 (122)	
	Bromodichloromethane	20	19.8	ug/Kg	99			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	19.2	ug/Kg	96			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	100	98.1	ug/Kg	98			40 (66)	160 (138)	
	Dibromochloromethane	20	20.0	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	20	18.3	ug/Kg	92			70 (83)	130 (125)	
	Chlorobenzene	20	18.6	ug/Kg	93			70 (84)	130 (122)	
	Ethyl Benzene	20	17.8	ug/Kg	89			70 (82)	130 (124)	
	m/p-Xylenes	40	36.6	ug/Kg	92			70 (83)	130 (124)	
	o-Xylene	20	18.2	ug/Kg	91			70 (83)	130 (123)	
	Styrene	20	18.6	ug/Kg	93			70 (82)	130 (124)	
	Bromoform	20	18.8	ug/Kg	94			70 (75)	130 (127)	
	Isopropylbenzene	20	17.1	ug/Kg	86			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/Kg	94			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	17.7	ug/Kg	89			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	18.0	ug/Kg	90			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	18.2	ug/Kg	91			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0306SBS01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	17.3	ug/Kg	86			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	17.4	ug/Kg	87			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY021429.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0306SBSD01	Dichlorodifluoromethane	20	19.7	ug/Kg	99	10		40 (64)	160 (136)	30 (20)
	Chloromethane	20	20.8	ug/Kg	104	2		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	21.0	ug/Kg	105	5		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.9	ug/Kg	104	5		40 (58)	160 (141)	30 (20)
	Chloroethane	20	22.2	ug/Kg	111	6		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	20.8	ug/Kg	104	4		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.1	ug/Kg	101	5		70 (79)	130 (121)	30 (20)
	Acetone	100	83.1	ug/Kg	83	4		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	19.5	ug/Kg	98	4		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102	2		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	21.3	ug/Kg	106	3		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	20.4	ug/Kg	102	5		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101	5		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.5	ug/Kg	103	2		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	18.8	ug/Kg	94	1		70 (76)	130 (122)	30 (20)
	2-Butanone	100	95.3	ug/Kg	95	1		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	18.7	ug/Kg	94	1		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101	2		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	19.2	ug/Kg	96	8		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.3	ug/Kg	106	5		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.0	ug/Kg	100	4		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	18.2	ug/Kg	91	2		70 (77)	130 (123)	30 (20)
	Benzene	20	19.9	ug/Kg	100	3		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.4	ug/Kg	102	1		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.0	ug/Kg	95	1		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.5	ug/Kg	103	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.2	ug/Kg	101	2		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	0		40 (70)	160 (135)	30 (20)
	Toluene	20	19.7	ug/Kg	99	3		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.4	ug/Kg	102	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	96.5	ug/Kg	97	1		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.9	ug/Kg	100	0		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.0	ug/Kg	100	0		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	18.8	ug/Kg	94	2		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	19.2	ug/Kg	96	3		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	18.6	ug/Kg	93	4		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	37.8	ug/Kg	95	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	18.8	ug/Kg	94	3		70 (83)	130 (123)	30 (20)
	Styrene	20	19.5	ug/Kg	98	5		70 (82)	130 (124)	30 (20)
	Bromoform	20	19.6	ug/Kg	98	4		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	18.2	ug/Kg	91	6		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	19.0	ug/Kg	95	1		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	18.5	ug/Kg	93	4		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	19.0	ug/Kg	95	5		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	19.2	ug/Kg	96	5		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY021429.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0306SBSD01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/Kg	96	1		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	18.7	ug/Kg	94	9		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	18.8	ug/Kg	94	8		70 (70)	130 (137)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY021453.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0307SBS01	Dichlorodifluoromethane	20	19.5	ug/Kg	98			40 (64)	160 (136)	
	Chloromethane	20	20.2	ug/Kg	101			40 (70)	160 (130)	
	Vinyl chloride	20	20.7	ug/Kg	104			70 (72)	130 (129)	
	Bromomethane	20	20.6	ug/Kg	103			40 (58)	160 (141)	
	Chloroethane	20	21.5	ug/Kg	108			40 (69)	160 (130)	
	Trichlorofluoromethane	20	21.9	ug/Kg	110			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/Kg	100			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.4	ug/Kg	97			70 (79)	130 (121)	
	Acetone	100	120	ug/Kg	120			40 (60)	160 (131)	
	Carbon disulfide	20	18.9	ug/Kg	95			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97			70 (77)	130 (129)	
	Methyl Acetate	20	20.5	ug/Kg	103			70 (69)	130 (149)	
	Methylene Chloride	20	20.6	ug/Kg	103			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.6	ug/Kg	98			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	Cyclohexane	20	18.9	ug/Kg	95			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.4	ug/Kg	97			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.0	ug/Kg	95			70 (82)	130 (123)	
	Bromochloromethane	20	19.2	ug/Kg	96			70 (80)	130 (127)	
	Chloroform	20	19.9	ug/Kg	100			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.7	ug/Kg	99			70 (80)	130 (126)	
	Methylcyclohexane	20	18.8	ug/Kg	94			70 (77)	130 (123)	
	Benzene	20	19.5	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.8	ug/Kg	99			70 (81)	130 (126)	
	Trichloroethene	20	19.1	ug/Kg	96			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	Bromodichloromethane	20	19.6	ug/Kg	98			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	19.6	ug/Kg	98			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.5	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.7	ug/Kg	99			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	19.4	ug/Kg	97			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.6	ug/Kg	98			70 (80)	130 (125)	
	Tetrachloroethene	20	19.6	ug/Kg	98			70 (83)	130 (125)	
	Chlorobenzene	20	19.0	ug/Kg	95			70 (84)	130 (122)	
	Ethyl Benzene	20	19.1	ug/Kg	96			70 (82)	130 (124)	
	m/p-Xylenes	40	38.9	ug/Kg	97			70 (83)	130 (124)	
	o-Xylene	20	19.1	ug/Kg	96			70 (83)	130 (123)	
	Styrene	20	19.3	ug/Kg	97			70 (82)	130 (124)	
	Bromoform	20	20.1	ug/Kg	101			70 (75)	130 (127)	
	Isopropylbenzene	20	18.9	ug/Kg	95			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.6	ug/Kg	98			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	18.8	ug/Kg	94			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.1	ug/Kg	96			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.0	ug/Kg	95			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY021453.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0307SBS01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.0	ug/Kg	90			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			70 (70)	130 (137)	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0305WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VX045129.D Lab Sample ID: VX0305WBL01

Date Analyzed: 03/05/2025 Time Analyzed: 10:03

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0305WBS01	VX0305WBS01	VX045130.D	03/05/2025
VX0305WBSD01	VX0305WBSD01	VX045135.D	03/05/2025
TB03042025	Q1488-15	VX045149.D	03/05/2025
ENV-102-GW01	Q1488-13	VX045150.D	03/05/2025
ENV-104-GW01	Q1488-14	VX045151.D	03/05/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0306WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VX045157.D Lab Sample ID: VX0306WBL01

Date Analyzed: 03/06/2025 Time Analyzed: 10:46

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0306WBS01	VX0306WBS01	VX045158.D	03/06/2025
ENV-104-GW01DL	Q1488-14DL	VX045161.D	03/06/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0306SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

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

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

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

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0306SBS01	VY0306SBS01	VY021428.D	03/06/2025
VY0306SBSD01	VY0306SBSD01	VY021429.D	03/06/2025
ENV-101-SB01	Q1488-01	VY021435.D	03/06/2025
ENV-101-SB02	Q1488-03	VY021436.D	03/06/2025
ENV-102-SB01	Q1488-05	VY021437.D	03/06/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0307SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VY021452.D Lab Sample ID: VY0307SBL01

Date Analyzed: 03/07/2025 Time Analyzed: 10:35

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
VY0307SBS01	VY0307SBS01	VY021453.D	03/07/2025
ENV-102-SB02	Q1488-07	VY021459.D	03/07/2025
ENV-104-SB01	Q1488-09	VY021460.D	03/07/2025
ENV-104-SB02	Q1488-11	VY021461.D	03/07/2025

COMMENTS:

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VX045067.D BFB Injection Date: 02/28/2025

Instrument ID: MSVOA_X BFB Injection Time: 01:03

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	53.6
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	0.7 (1) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	70.6 (95.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.2) 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
VSTDICC001	VSTDICC001	VX045068.D	02/28/2025	01:27
VSTDICC005	VSTDICC005	VX045069.D	02/28/2025	02:13
VSTDICC020	VSTDICC020	VX045070.D	02/28/2025	02:37
VSTDICCC050	VSTDICCC050	VX045071.D	02/28/2025	03:00
VSTDICC100	VSTDICC100	VX045072.D	02/28/2025	03:23
VSTDICC150	VSTDICC150	VX045073.D	02/28/2025	03:47

Raw Data: **VX045126.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VX045126.D BFB Injection Date: 03/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:40

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	77
175	5.0 - 9.0% of mass 174	5.1 (6.7) 1
176	95.0 - 101.0% of mass 174	73.3 (95.1) 1
177	5.0 - 9.0% of mass 176	5 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045127.D	03/05/2025	09:12
VX0305WBL01	VX0305WBL01	VX045129.D	03/05/2025	10:03
VX0305WBS01	VX0305WBS01	VX045130.D	03/05/2025	10:26
VX0305WBSD01	VX0305WBSD01	VX045135.D	03/05/2025	12:26
TB03042025	Q1488-15	VX045149.D	03/05/2025	17:52
ENV-102-GW01	Q1488-13	VX045150.D	03/05/2025	18:15
ENV-104-GW01	Q1488-14	VX045151.D	03/05/2025	18:38

Raw Data: **VX045154.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VX045154.D BFB Injection Date: 03/06/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:09

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.5
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	70.6
175	5.0 - 9.0% of mass 174	5.3 (7.5) 1
176	95.0 - 101.0% of mass 174	67.9 (96.1) 1
177	5.0 - 9.0% of mass 176	4.5 (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	VX045155.D	03/06/2025	09:56
VX0306WBL01	VX0306WBL01	VX045157.D	03/06/2025	10:46
VX0306WBS01	VX0306WBS01	VX045158.D	03/06/2025	11:10
ENV-104-GW01DL	Q1488-14DL	VX045161.D	03/06/2025	12:23

Raw Data: **VY021395.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

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

Instrument ID: MSVOA_Y BFB Injection Time: 08:52

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	54.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6.6 (8.4) 1
176	95.0 - 101.0% of mass 174	75.7 (97.2) 1
177	5.0 - 9.0% of mass 176	5 (6.6) 2

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

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

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

Raw Data: **VY021425.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

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

Instrument ID: MSVOA_Y BFB Injection Time: 09:39

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	82.3
175	5.0 - 9.0% of mass 174	6.2 (7.5) 1
176	95.0 - 101.0% of mass 174	79.6 (96.8) 1
177	5.0 - 9.0% of mass 176	5.7 (7.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021426.D	03/06/2025	10:10
VY0306SBL01	VY0306SBL01	VY021427.D	03/06/2025	11:59
VY0306SBS01	VY0306SBS01	VY021428.D	03/06/2025	12:33
VY0306SBSD01	VY0306SBSD01	VY021429.D	03/06/2025	12:55
ENV-101-SB01	Q1488-01	VY021435.D	03/06/2025	15:25
ENV-101-SB02	Q1488-03	VY021436.D	03/06/2025	15:49
ENV-102-SB01	Q1488-05	VY021437.D	03/06/2025	16:12

Raw Data: **VY021450.D**

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VY021450.D BFB Injection Date: 03/07/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:27

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	53.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.3 (1.6) 1
174	50.0 - 100.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	6.7 (8.1) 1
176	95.0 - 101.0% of mass 174	77.6 (95) 1
177	5.0 - 9.0% of mass 176	5.3 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021451.D	03/07/2025	09:59
VY0307SBL01	VY0307SBL01	VY021452.D	03/07/2025	10:35
VY0307SBS01	VY0307SBS01	VY021453.D	03/07/2025	12:03
ENV-102-SB02	Q1488-07	VY021459.D	03/07/2025	14:28
ENV-104-SB01	Q1488-09	VY021460.D	03/07/2025	14:52
ENV-104-SB02	Q1488-11	VY021461.D	03/07/2025	15:15

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VX045127.D Date Analyzed: 03/05/2025

Instrument ID: MSVOA_X Time Analyzed: 09:12

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	112291	5.54	190470	6.75	164207	10.05
UPPER LIMIT	224582	6.044	380940	7.251	328414	10.549
LOWER LIMIT	56145.5	5.044	95235	6.251	82103.5	9.549
EPA SAMPLE NO.						
ENV-102-GW01	72598	5.54	143720	6.76	132869	10.05
ENV-104-GW01	79416	5.54	156296	6.76	141923	10.06
TB03042025	72831	5.54	143614	6.76	130232	10.06
VX0305WBL01	68143	5.54	136785	6.76	125445	10.05
VX0305WBS01	98769	5.54	177910	6.76	153160	10.06
VX0305WBSD01	104383	5.55	188951	6.76	167692	10.05

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: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VX045127.D Date Analyzed: 03/05/2025

Instrument ID: MSVOA_X Time Analyzed: 09:12

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	74481	12.018				
UPPER LIMIT	148962	12.518				
LOWER LIMIT	37240.5	11.518				
EPA SAMPLE NO.						
ENV-102-GW01	57679	12.02				
ENV-104-GW01	59794	12.02				
TB03042025	50863	12.02				
VX0305WBL01	50961	12.02				
VX0305WBS01	68669	12.02				
VX0305WBSD01	73577	12.02				

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: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VX045155.D Date Analyzed: 03/06/2025

Instrument ID: MSVOA_X Time Analyzed: 09:56

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	99532	5.54	175834	6.76	153746	10.05
UPPER LIMIT	199064	6.044	351668	7.257	307492	10.549
LOWER LIMIT	49766	5.044	87917	6.257	76873	9.549
EPA SAMPLE NO.						
ENV-104-GW01DL	70228	5.55	133297	6.76	124634	10.05
VX0306WBL01	71177	5.54	139793	6.76	129041	10.05
VX0306WBS01	97102	5.54	175752	6.76	147757	10.05

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: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VX045155.D Date Analyzed: 03/06/2025

Instrument ID: MSVOA_X Time Analyzed: 09:56

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	69403	12.018				
UPPER LIMIT	138806	12.518				
LOWER LIMIT	34701.5	11.518				
EPA SAMPLE NO.						
ENV-104-GW01DL	48192	12.02				
VX0306WBL01	53719	12.02				
VX0306WBS01	67123	12.02				

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: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

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

Instrument ID: MSVOA_Y Time Analyzed: 10:10

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	228274	7.71	348529	8.61	321426	11.41
UPPER LIMIT	456548	8.207	697058	9.11	642852	11.914
LOWER LIMIT	114137	7.207	174265	8.11	160713	10.914
EPA SAMPLE NO.						
ENV-101-SB01	242903	7.71	455891	8.62	410551	11.41
ENV-101-SB02	234226	7.71	429130	8.62	377679	11.41
ENV-102-SB01	245112	7.71	450789	8.62	408673	11.41
VY0306SBL01	249443	7.71	460921	8.62	405928	11.42
VY0306SBS01	200172	7.71	318431	8.62	292608	11.42
VY0306SBSD01	197190	7.71	317024	8.62	284896	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

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

Instrument ID: MSVOA_Y Time Analyzed: 10:10

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

	IS4 AREA #	RT #				
12 HOUR STD	168733	13.346				
UPPER LIMIT	337466	13.846				
LOWER LIMIT	84366.5	12.846				
EPA SAMPLE NO.						
ENV-101-SB01	166037	13.35				
ENV-101-SB02	143740	13.35				
ENV-102-SB01	161699	13.35				
VY0306SBL01	156000	13.35				
VY0306SBS01	152176	13.35				
VY0306SBSD01	145541	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: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VY021451.D Date Analyzed: 03/07/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:59

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	212653	7.71	324643	8.62	291936	11.42
UPPER LIMIT	425306	8.207	649286	9.116	583872	11.92
LOWER LIMIT	106327	7.207	162322	8.116	145968	10.92
EPA SAMPLE NO.						
ENV-102-SB02	280904	7.71	508130	8.62	440256	11.41
ENV-104-SB01	272187	7.71	479219	8.62	375437	11.41
ENV-104-SB02	263229	7.71	450669	8.62	301719	11.41
VY0307SBL01	247432	7.71	455944	8.62	386511	11.42
VY0307SBS01	219868	7.71	343563	8.62	301562	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: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VY021451.D Date Analyzed: 03/07/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:59

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

	IS4 AREA #		RT #				
12 HOUR STD	151541		13.353				
UPPER LIMIT	303082		13.853				
LOWER LIMIT	75770.5		12.853				
EPA SAMPLE NO.							
ENV-102-SB02	168898		13.35				
ENV-104-SB01	106159		13.35				
ENV-104-SB02	63186	*	13.35				
VY0307SBL01	140975		13.35				
VY0307SBS01	152803		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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SAMPLE DATA

Raw Data: **VY021435.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021435.D	1		03/06/25 15:25	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	3.60	ug/Kg
74-87-3	Chloromethane	0.84	U	0.84	3.60	ug/Kg
75-01-4	Vinyl Chloride	0.56	U	0.56	3.60	ug/Kg
74-83-9	Bromomethane	0.75	U	0.75	3.60	ug/Kg
75-00-3	Chloroethane	0.73	U	0.73	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.66	U	0.66	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.78	U	0.78	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.57	U	0.57	3.60	ug/Kg
67-64-1	Acetone	4.50	U	4.50	18.2	ug/Kg
75-15-0	Carbon Disulfide	0.93	U	0.93	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.49	U	0.49	3.60	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	3.60	ug/Kg
75-09-2	Methylene Chloride	2.50	U	2.50	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.61	U	0.61	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.46	U	0.46	3.60	ug/Kg
110-82-7	Cyclohexane	0.50	U	0.50	3.60	ug/Kg
78-93-3	2-Butanone	4.10	U	4.10	18.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.63	U	0.63	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.44	U	0.44	3.60	ug/Kg
74-97-5	Bromochloromethane	1.80	U	1.80	3.60	ug/Kg
67-66-3	Chloroform	0.49	U	0.49	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.57	U	0.57	3.60	ug/Kg
108-87-2	Methylcyclohexane	0.63	U	0.63	3.60	ug/Kg
71-43-2	Benzene	0.52	U	0.52	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.44	U	0.44	3.60	ug/Kg
79-01-6	Trichloroethene	0.54	U	0.54	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.48	U	0.48	3.60	ug/Kg
75-27-4	Bromodichloromethane	0.41	U	0.41	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	18.2	ug/Kg
108-88-3	Toluene	0.49	U	0.49	3.60	ug/Kg

Raw Data: **VY021435.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021435.D	1		03/06/25 15:25	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.44	U	0.44	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.41	U	0.41	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.61	U	0.61	3.60	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	18.2	ug/Kg
124-48-1	Dibromochloromethane	0.47	U	0.47	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.57	U	0.57	3.60	ug/Kg
127-18-4	Tetrachloroethene	0.65	U	0.65	3.60	ug/Kg
108-90-7	Chlorobenzene	0.54	U	0.54	3.60	ug/Kg
100-41-4	Ethyl Benzene	0.45	U	0.45	3.60	ug/Kg
179601-23-1	m/p-Xylenes	0.98	U	0.98	7.30	ug/Kg
95-47-6	o-Xylene	0.51	U	0.51	3.60	ug/Kg
100-42-5	Styrene	0.44	U	0.44	3.60	ug/Kg
75-25-2	Bromoform	0.59	U	0.59	3.60	ug/Kg
98-82-8	Isopropylbenzene	0.49	U	0.49	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.80	U	0.80	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.54	U	0.54	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.58	U	0.58	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.43	U	0.43	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.10	U	1.10	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.57	U	0.57	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.57	U	0.57	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.1		70 (63) - 130 (155)	130%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		70 (38) - 130 (136)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	243000	7.707			
540-36-3	1,4-Difluorobenzene	456000	8.616			
3114-55-4	Chlorobenzene-d5	411000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	166000	13.347			

Raw Data: **VY021435.D**

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021435.D	1		03/06/25 15:25	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021435.D
Acq On : 06 Mar 2025 15:25
Operator : SY/MD
Sample : Q1488-01
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

Quant Time: Mar 07 00:40:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	242903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	410551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	166037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167202	65.127	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.260%			
35) Dibromofluoromethane	7.634	113	157290	52.489	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.980%			
50) Toluene-d8	10.109	98	553466	48.780	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.560%			
62) 4-Bromofluorobenzene	12.408	95	177238	45.922	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.840%			

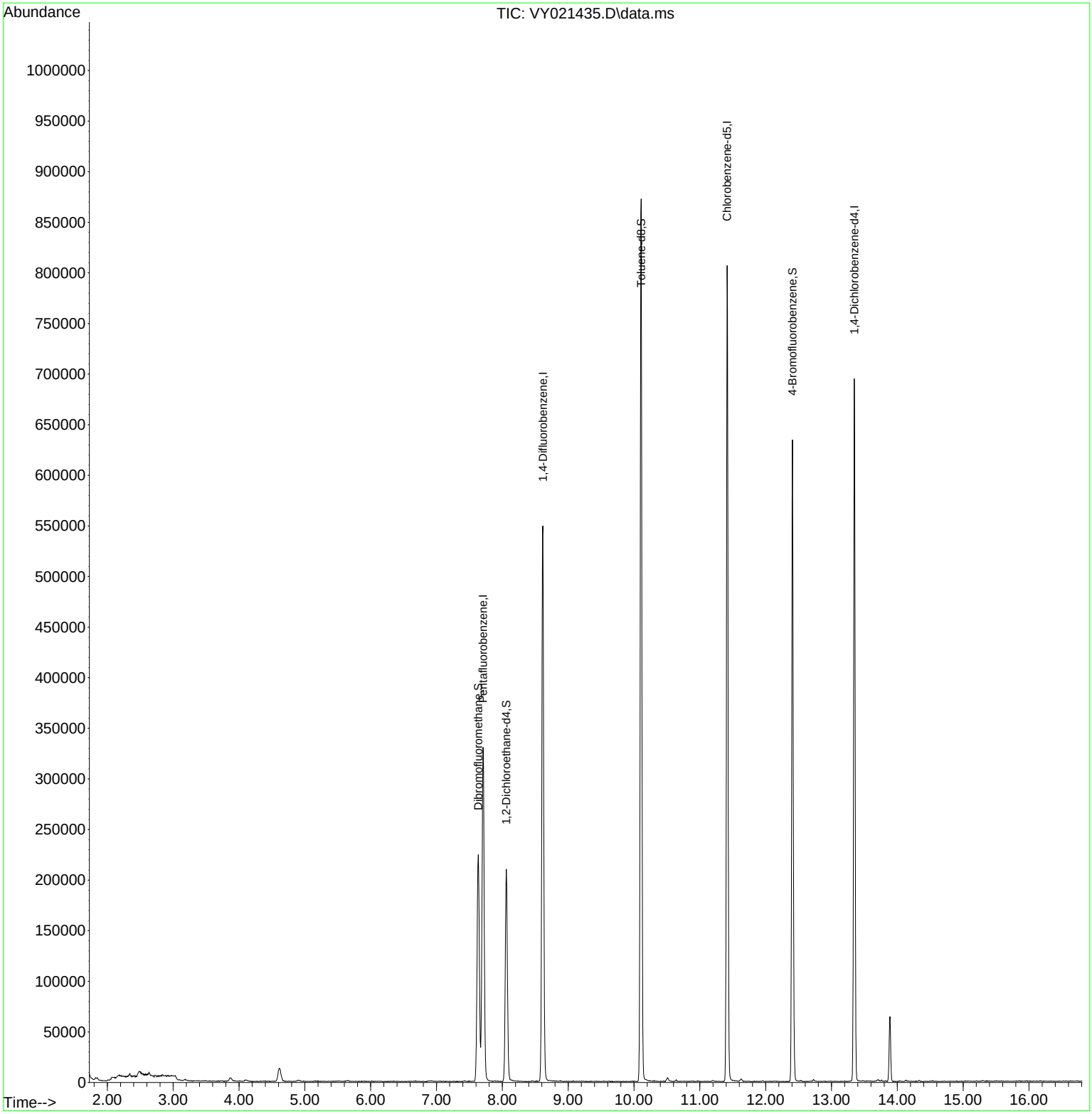
Target Compounds Qvalue

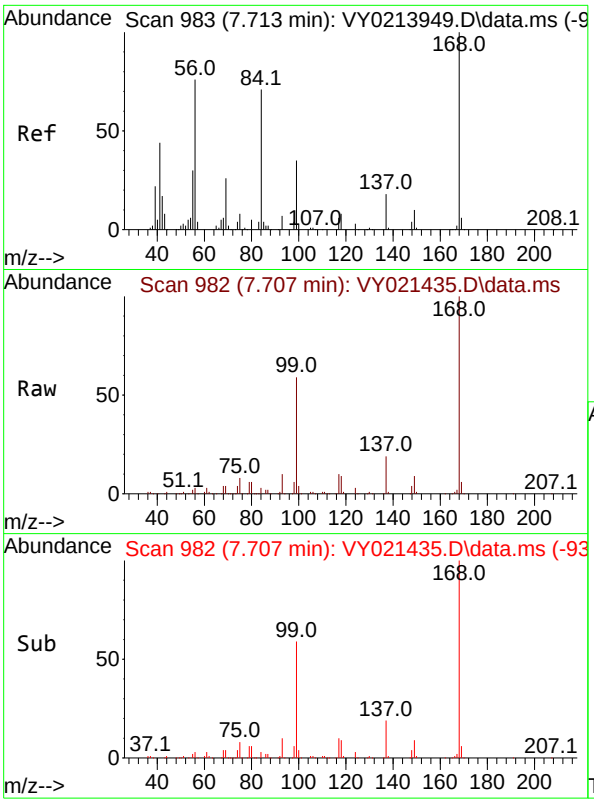
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021435.D
Acq On : 06 Mar 2025 15:25
Operator : SY/MD
Sample : Q1488-01
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

Quant Time: Mar 07 00:40:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



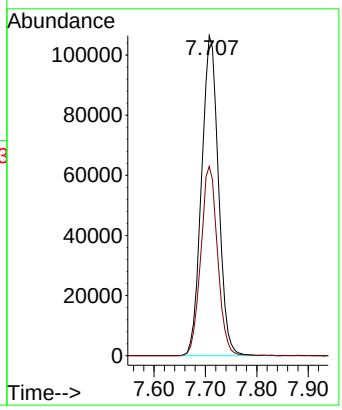


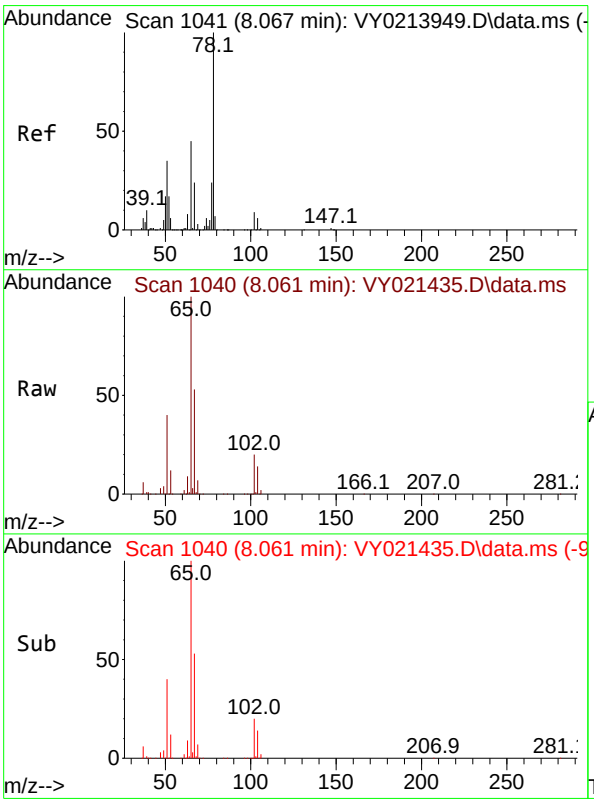
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

Tgt Ion:168 Resp: 242903

Ion	Ratio	Lower	Upper
168	100		
99	59.1	46.0	69.0

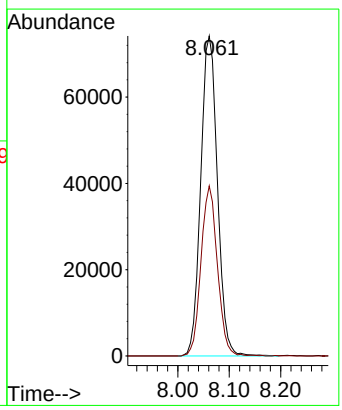


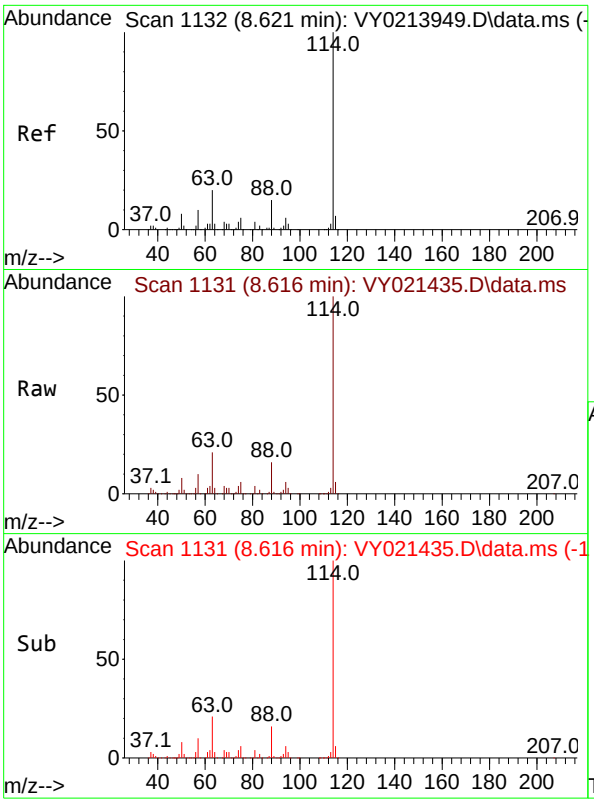


#33
1,2-Dichloroethane-d4
Concen: 65.127 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Tgt Ion: 65 Resp: 167202

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.8



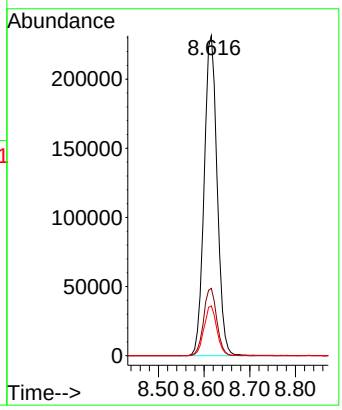


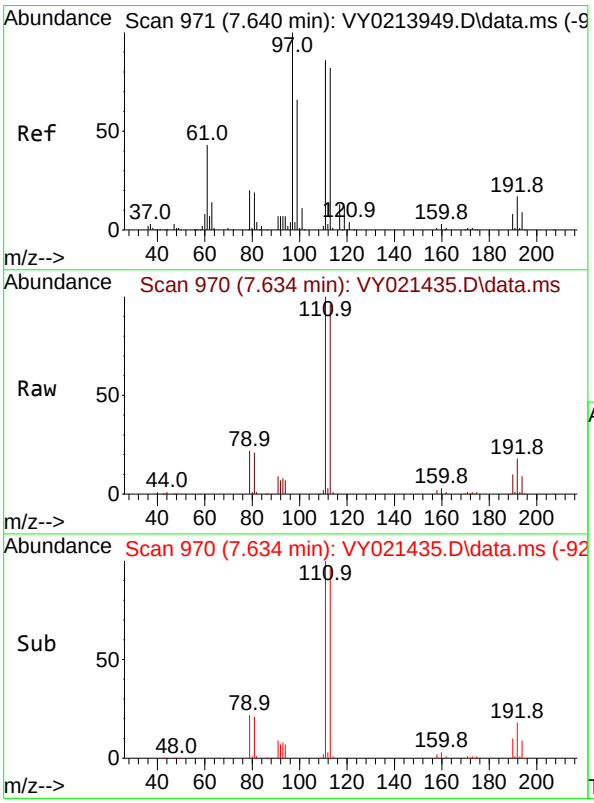
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

Tgt Ion:114 Resp: 455891

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.8
88	15.5	0.0	30.8

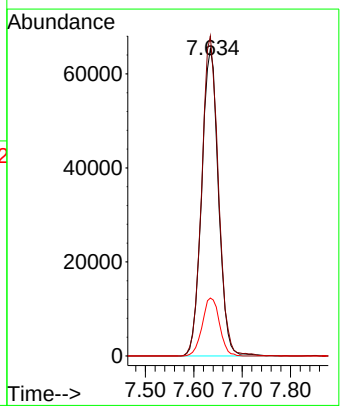


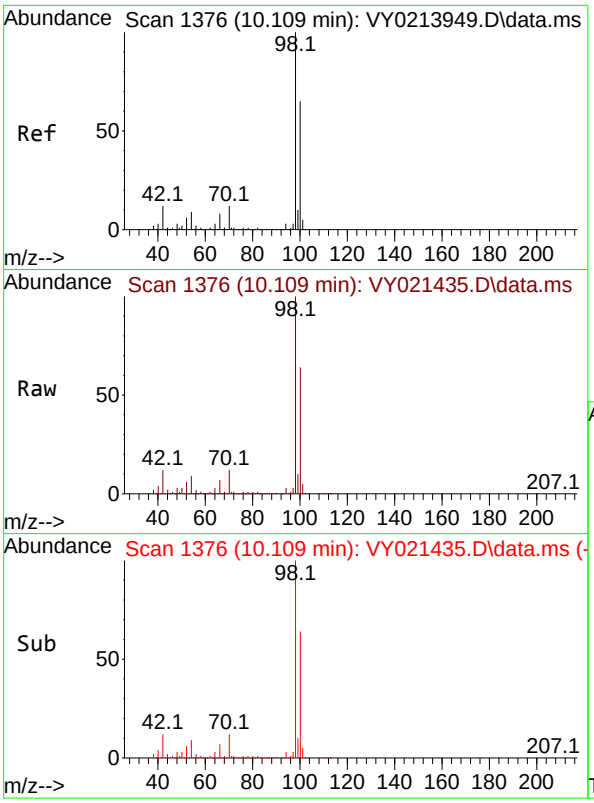


#35
Dibromofluoromethane
Concen: 52.489 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Tgt Ion:113 Resp: 157290

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.0	123.0
192	19.4	15.9	23.9



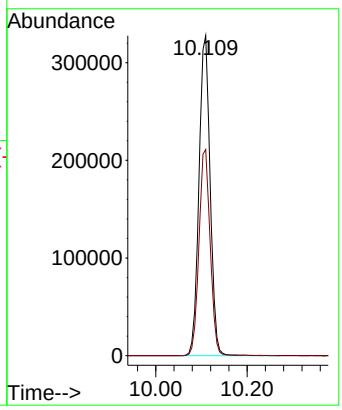


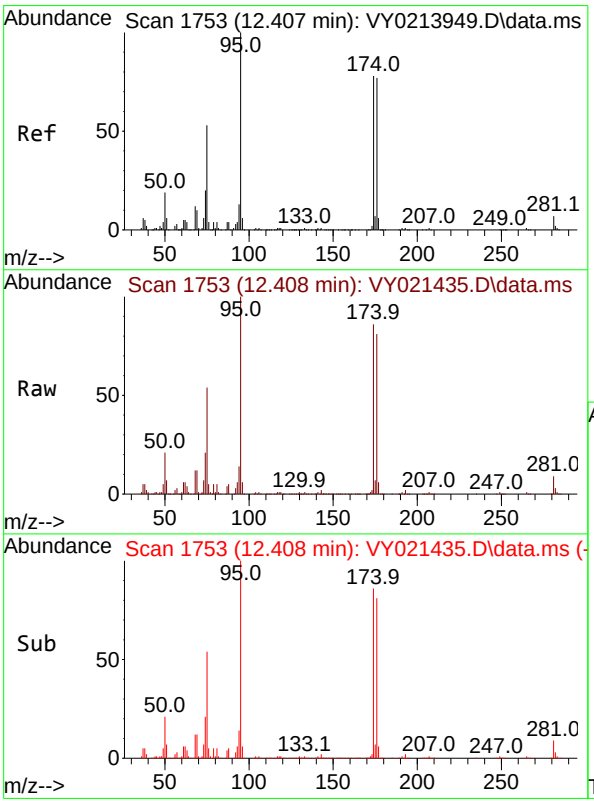
#50
Toluene-d8
Concen: 48.780 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

Tgt Ion: 98 Resp: 553466

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1

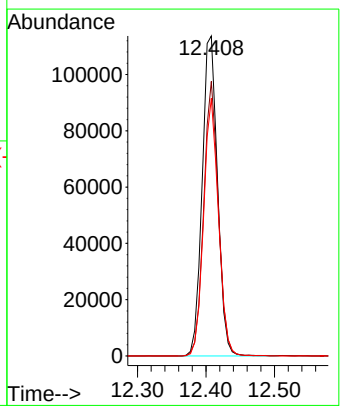


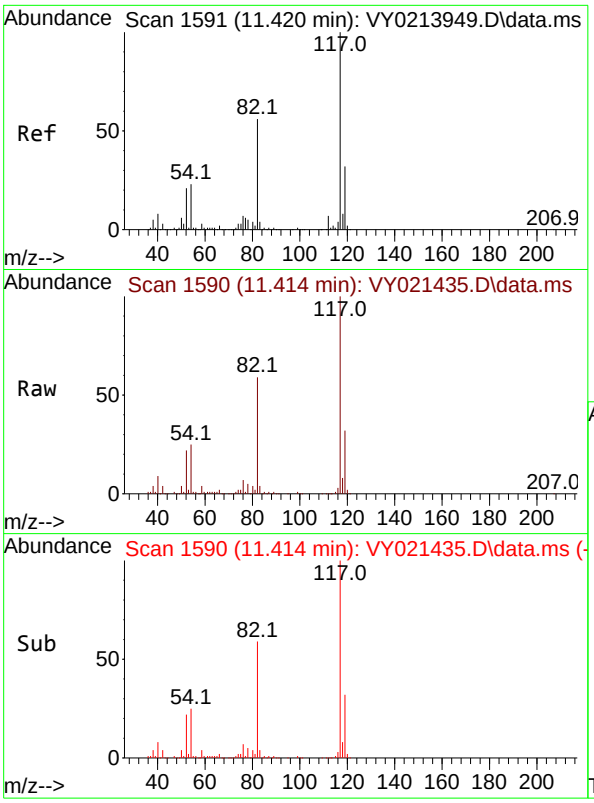


#62
4-Bromofluorobenzene
Concen: 45.922 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Tgt Ion: 95 Resp: 177238

Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	165.0
176	77.9	0.0	160.0



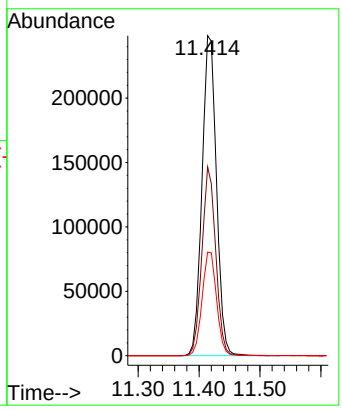


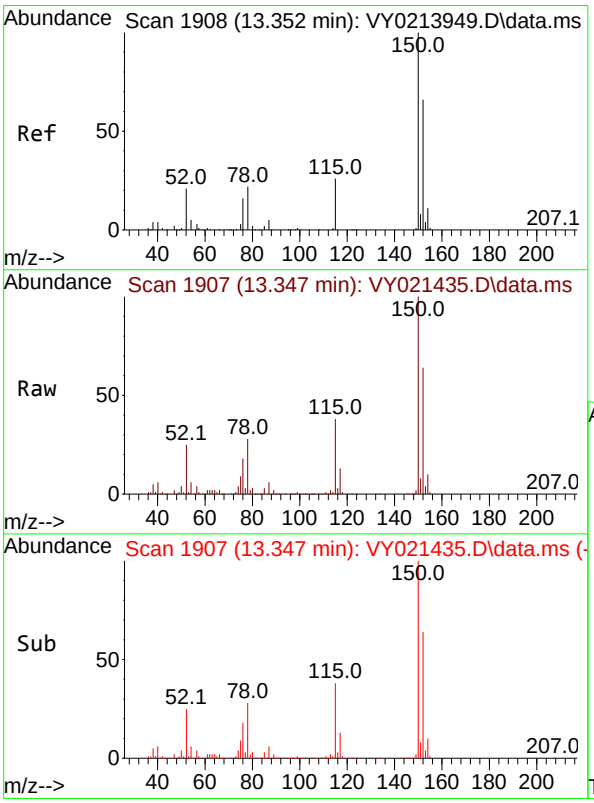
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

Tgt Ion:117 Resp: 410551

Ion	Ratio	Lower	Upper
117	100		
82	59.0	44.6	67.0
119	32.4	25.4	38.0

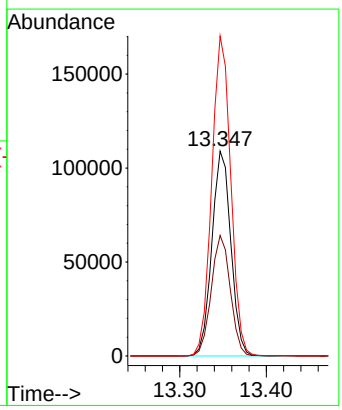




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Tgt Ion:152 Resp: 166037

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.0	87.0
150	156.3	0.0	347.2



Sample Results: **VY021435.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021435.D
Acq On : 06 Mar 2025 15:25
Operator : SY/MD
Sample : Q1488-01
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: VY021435.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.489	119	126	130	rBV9	5077	15071	1.00%	0.190%
2	4.610	465	474	486	rBV2	12699	39999	2.66%	0.505%
3	7.634	960	970	976	rBV	224154	540909	35.94%	6.826%
4	7.707	976	982	999	rVB	329722	751070	49.91%	9.478%
5	8.061	1031	1040	1052	rBV	209846	469964	31.23%	5.931%
6	8.616	1121	1131	1145	rBV	549026	1094686	72.74%	13.814%
7	10.109	1367	1376	1394	rBV	872193	1504872	100.00%	18.991%
8	11.414	1581	1590	1603	rBV	806588	1321179	87.79%	16.673%
9	12.408	1745	1753	1764	rBV2	634113	1030528	68.48%	13.005%
10	13.347	1900	1907	1916	rVB	693824	1052078	69.91%	13.277%
11	13.889	1989	1996	2003	rVB2	64219	103826	6.90%	1.310%

Sum of corrected areas: 7924182

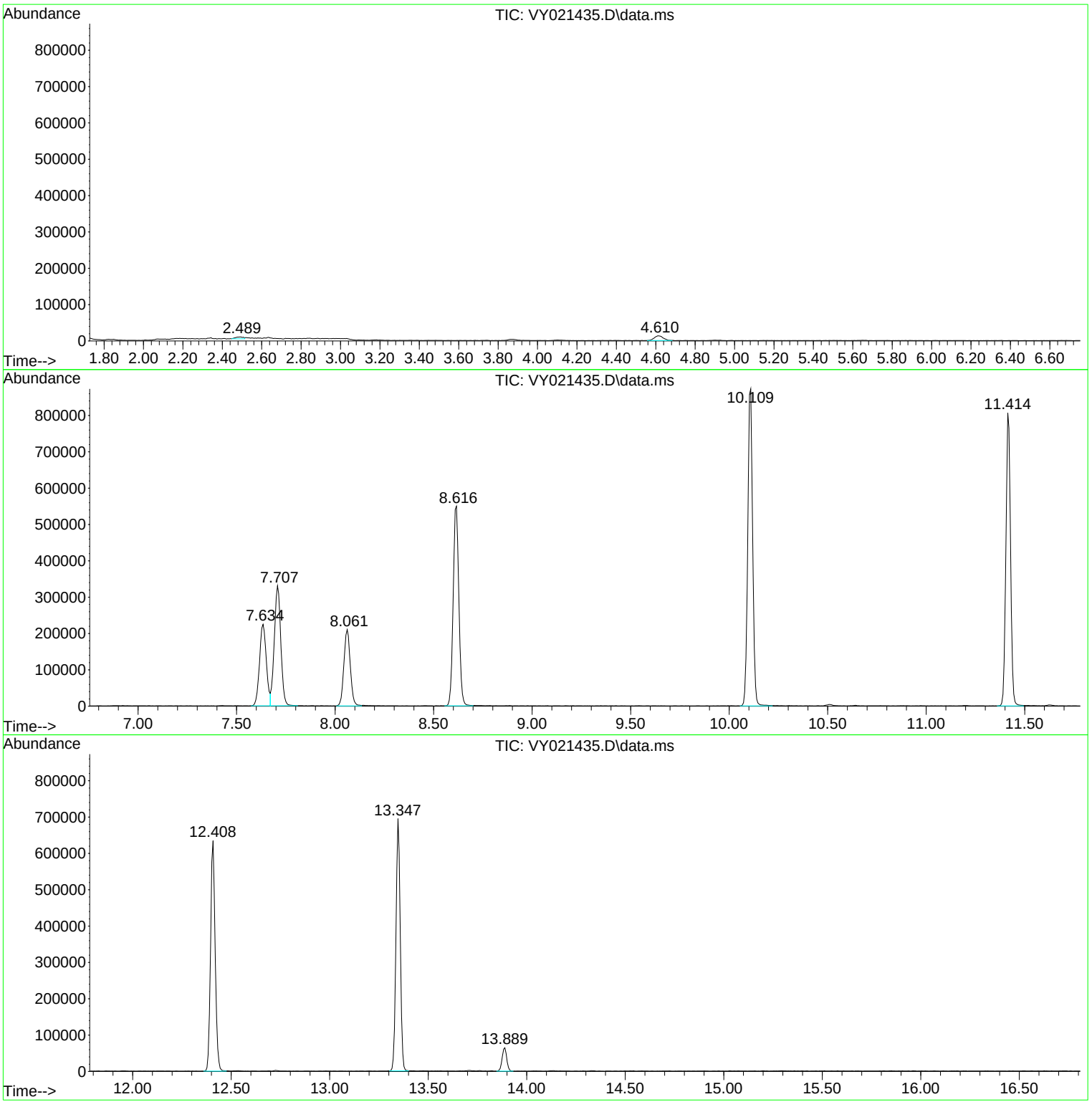
Sample Results: **VY021435.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021435.D
Acq On : 06 Mar 2025 15:25
Operator : SY/MD
Sample : Q1488-01
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

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

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021435.D
Acq On : 06 Mar 2025 15:25
Operator : SY/MD
Sample : Q1488-01
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021435.D
Acq On : 06 Mar 2025 15:25
Operator : SY/MD
Sample : Q1488-01
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

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

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

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

Raw Data: **VY021436.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.6
Sample Wt/Vol:	8.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021436.D	1		03/06/25 15:49	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	3.40	ug/Kg
74-87-3	Chloromethane	0.80	U	0.80	3.40	ug/Kg
75-01-4	Vinyl Chloride	0.53	U	0.53	3.40	ug/Kg
74-83-9	Bromomethane	0.71	U	0.71	3.40	ug/Kg
75-00-3	Chloroethane	0.69	U	0.69	3.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	U	0.62	3.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.73	U	0.73	3.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.53	U	0.53	3.40	ug/Kg
67-64-1	Acetone	11.4	J	4.30	17.1	ug/Kg
75-15-0	Carbon Disulfide	0.88	U	0.88	3.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.46	U	0.46	3.40	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.40	ug/Kg
75-09-2	Methylene Chloride	2.30	U	2.30	6.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.58	U	0.58	3.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.43	U	0.43	3.40	ug/Kg
110-82-7	Cyclohexane	0.47	U	0.47	3.40	ug/Kg
78-93-3	2-Butanone	3.90	U	3.90	17.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.60	U	0.60	3.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.42	U	0.42	3.40	ug/Kg
74-97-5	Bromochloromethane	1.70	U	1.70	3.40	ug/Kg
67-66-3	Chloroform	0.46	U	0.46	3.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.53	U	0.53	3.40	ug/Kg
108-87-2	Methylcyclohexane	0.60	U	0.60	3.40	ug/Kg
71-43-2	Benzene	0.49	U	0.49	3.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.42	U	0.42	3.40	ug/Kg
79-01-6	Trichloroethene	0.51	U	0.51	3.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.45	U	0.45	3.40	ug/Kg
75-27-4	Bromodichloromethane	0.38	U	0.38	3.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	17.1	ug/Kg
108-88-3	Toluene	0.46	U	0.46	3.40	ug/Kg

Raw Data: **VY021436.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.6
Sample Wt/Vol:	8.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021436.D	1		03/06/25 15:49	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.41	U	0.41	3.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.39	U	0.39	3.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	3.40	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	17.1	ug/Kg
124-48-1	Dibromochloromethane	0.45	U	0.45	3.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.54	U	0.54	3.40	ug/Kg
127-18-4	Tetrachloroethene	0.61	U	0.61	3.40	ug/Kg
108-90-7	Chlorobenzene	0.51	U	0.51	3.40	ug/Kg
100-41-4	Ethyl Benzene	0.43	U	0.43	3.40	ug/Kg
179601-23-1	m/p-Xylenes	0.93	U	0.93	6.90	ug/Kg
95-47-6	o-Xylene	0.48	U	0.48	3.40	ug/Kg
100-42-5	Styrene	0.41	U	0.41	3.40	ug/Kg
75-25-2	Bromoform	0.56	U	0.56	3.40	ug/Kg
98-82-8	Isopropylbenzene	0.46	U	0.46	3.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.75	U	0.75	3.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.51	U	0.51	3.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.55	U	0.55	3.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.40	U	0.40	3.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.10	U	1.10	3.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.54	U	0.54	3.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.53	U	0.53	3.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.7		70 (63) - 130 (155)	121%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		70 (38) - 130 (136)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	234000	7.707			
540-36-3	1,4-Difluorobenzene	429000	8.616			
3114-55-4	Chlorobenzene-d5	378000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY021436.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.6
Sample Wt/Vol:	8.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021436.D	1		03/06/25 15:49	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	4.70	J		13.9	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\VY030625\
Data File : VY021436.D
Acq On : 06 Mar 2025 15:49
Operator : SY/MD
Sample : Q1488-03
Misc : 8.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

Quant Time: Mar 07 00:40:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

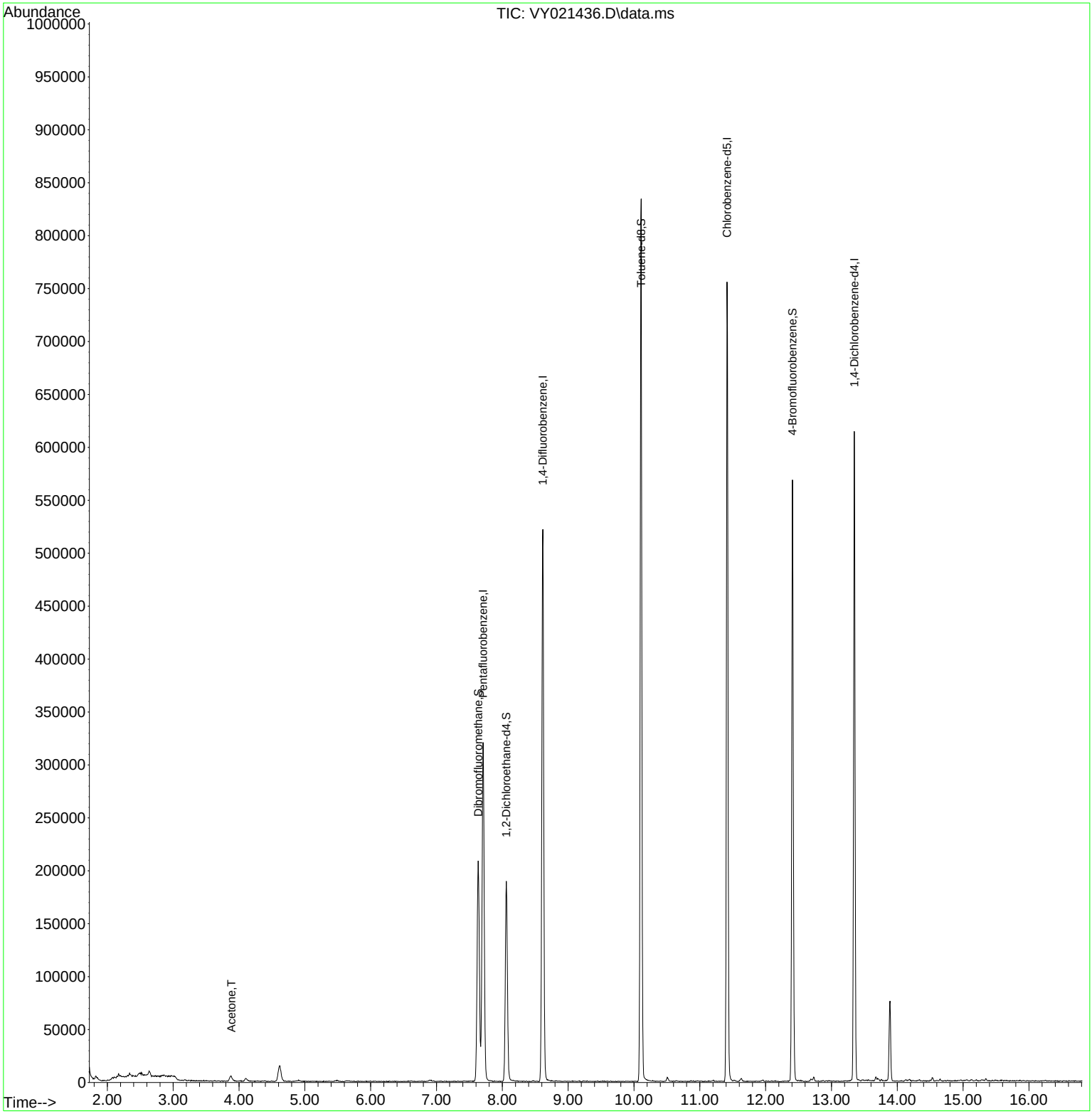
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	234226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	429130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	377679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	143740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150343	60.729	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.460%			
35) Dibromofluoromethane	7.634	113	145960	51.745	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.500%			
50) Toluene-d8	10.109	98	520619	48.746	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.500%			
62) 4-Bromofluorobenzene	12.408	95	155393	42.773	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.540%			
Target Compounds						Qvalue
16) Acetone	3.885	43	8980	16.631	ug/l	99

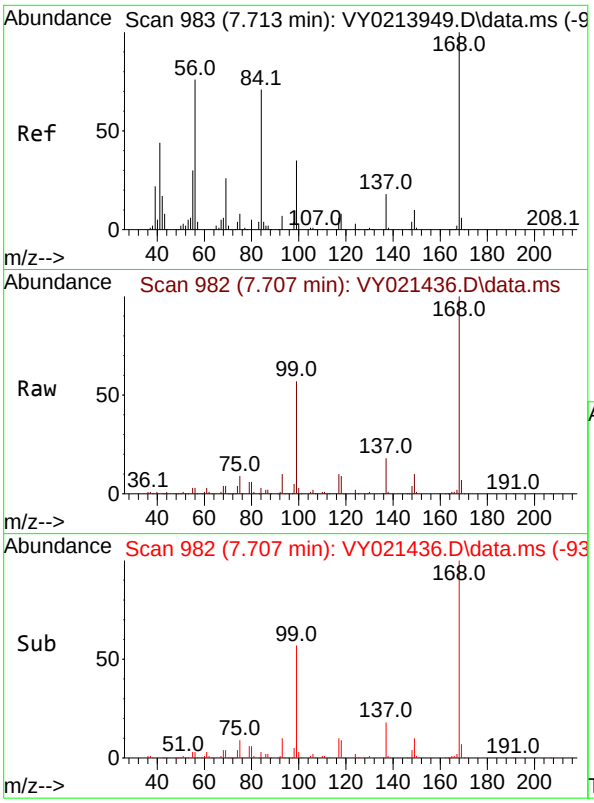
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021436.D
Acq On : 06 Mar 2025 15:49
Operator : SY/MD
Sample : Q1488-03
Misc : 8.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

Quant Time: Mar 07 00:40:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



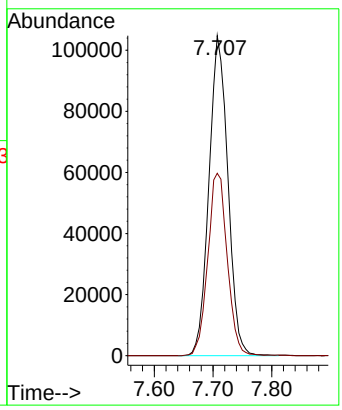


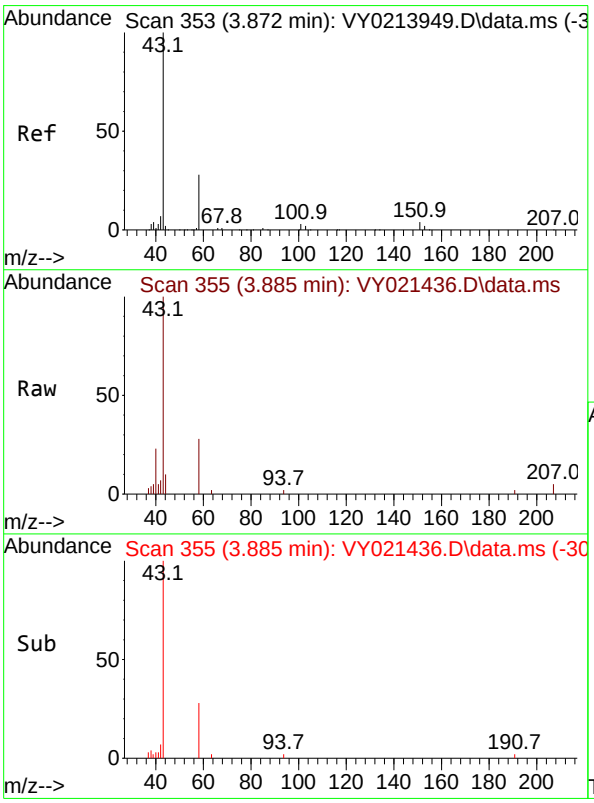
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

Tgt Ion:168 Resp: 234226

Ion	Ratio	Lower	Upper
168	100		
99	57.0	46.0	69.0

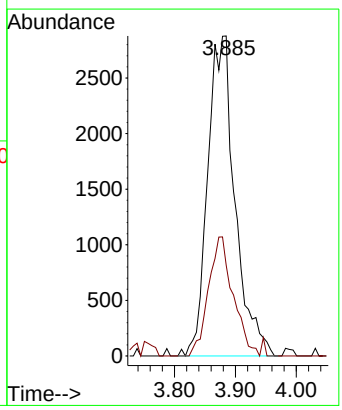


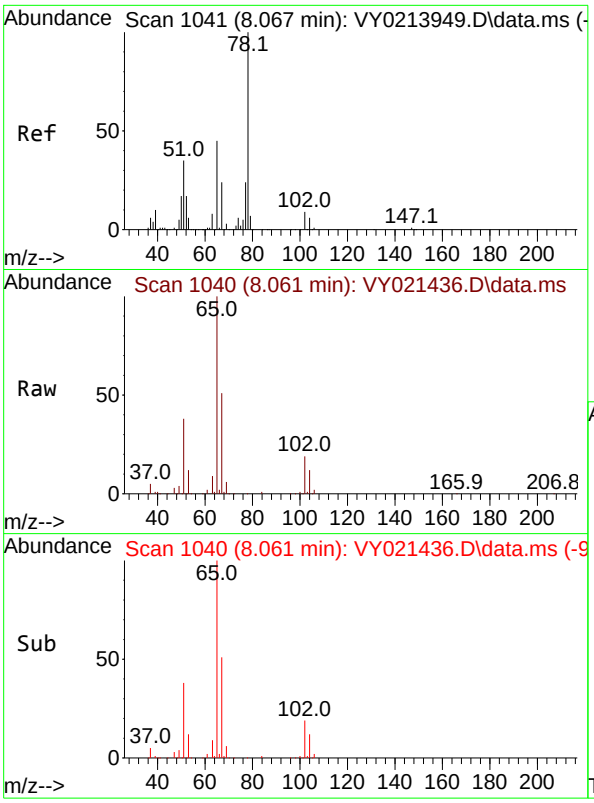


#16
Acetone
Concen: 16.631 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.013 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

Tgt Ion: 43 Resp: 8980

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.1	33.1



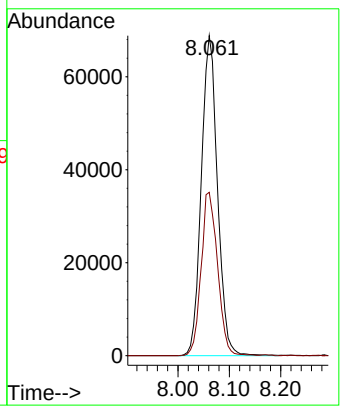


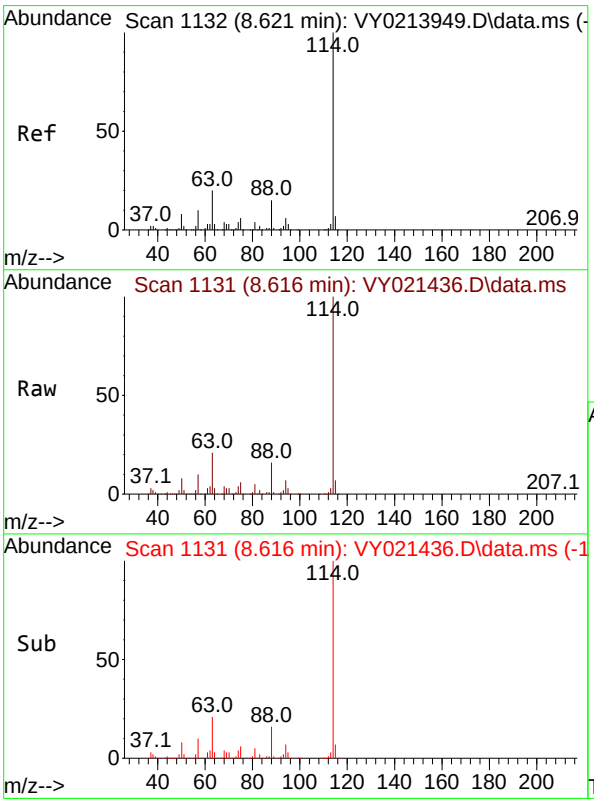
#33
1,2-Dichloroethane-d4
Concen: 60.729 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

Tgt Ion: 65 Resp: 150343

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.8

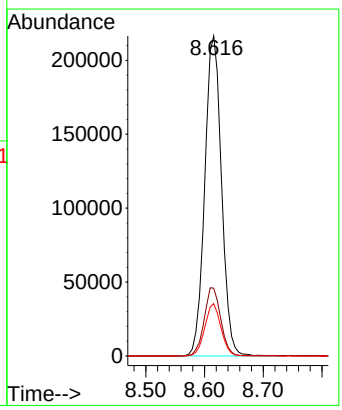


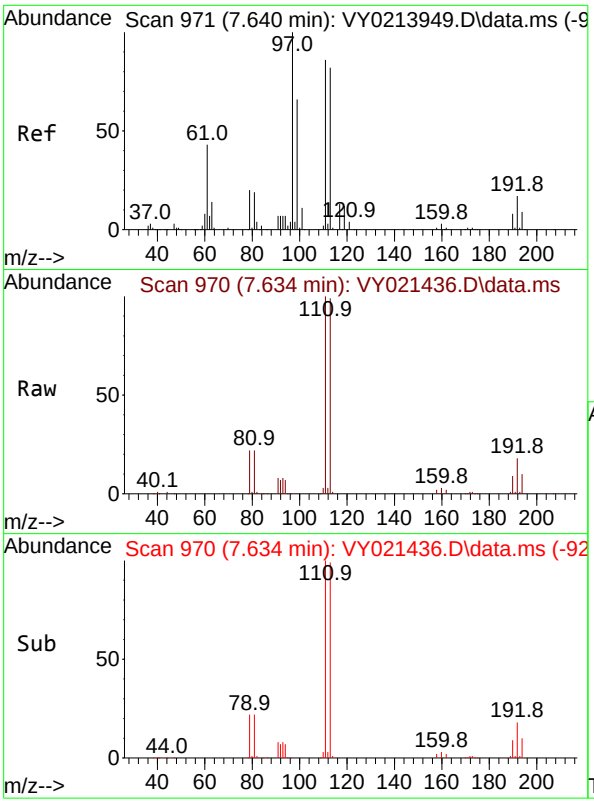


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

Tgt Ion:114 Resp: 429130

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.8
88	16.4	0.0	30.8



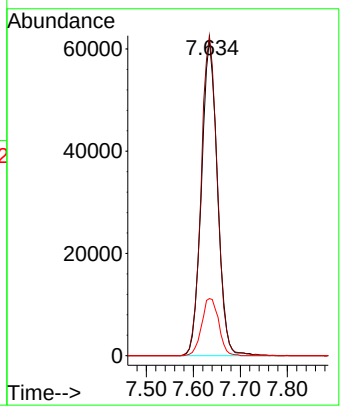


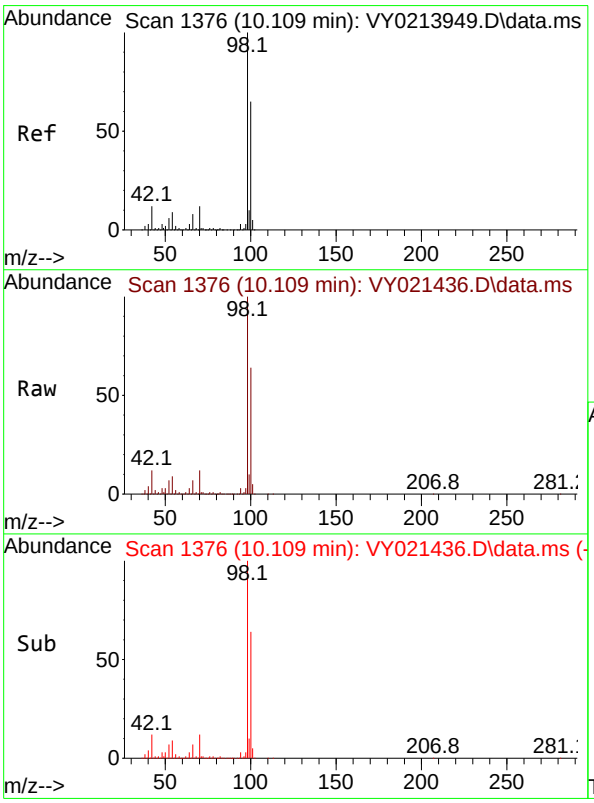
#35
Dibromofluoromethane
Concen: 51.745 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

Tgt Ion:113 Resp: 145960

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.0	123.0
192	19.3	15.9	23.9

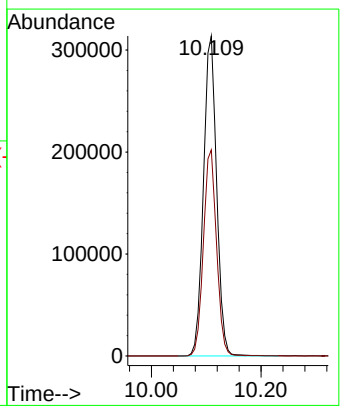


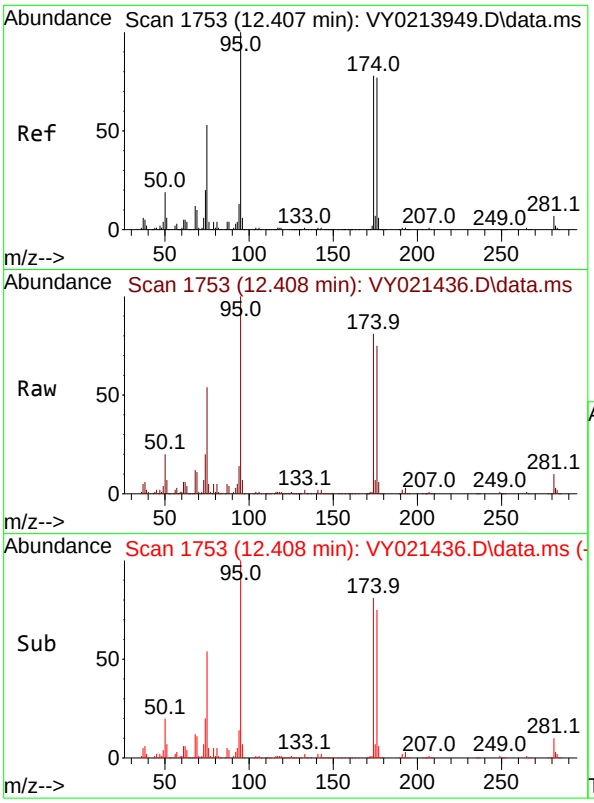


#50
Toluene-d8
Concen: 48.746 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

Tgt Ion: 98 Resp: 520619

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1



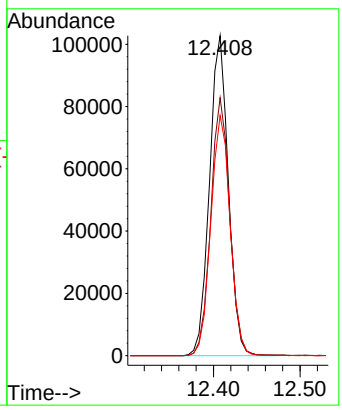


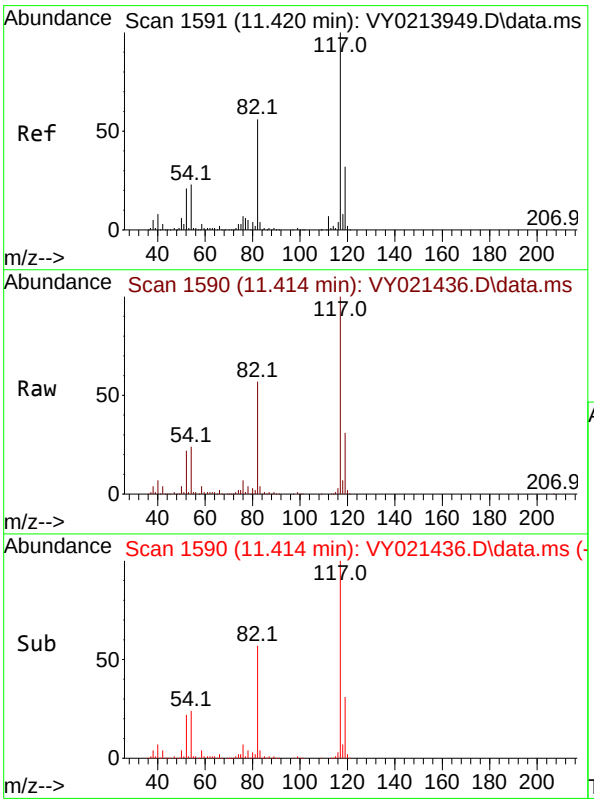
#62
4-Bromofluorobenzene
Concen: 42.773 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

Tgt Ion: 95 Resp: 155393

Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	165.0
176	76.9	0.0	160.0

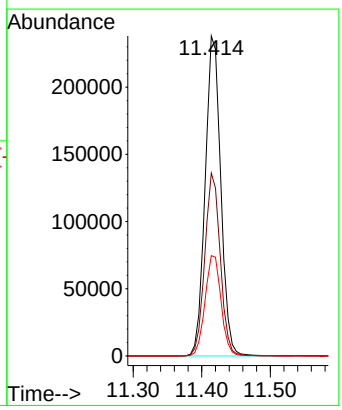


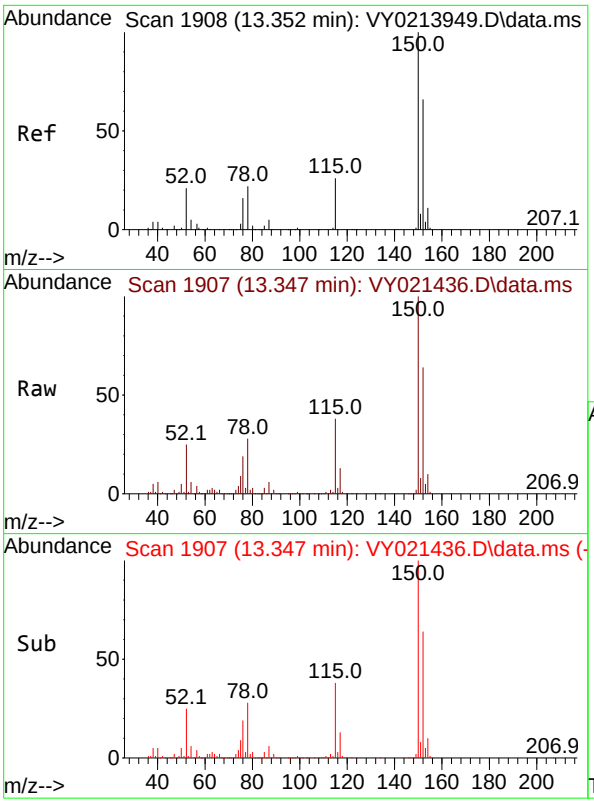


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

Tgt Ion:117 Resp: 377679

Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.6	67.0
119	31.4	25.4	38.0



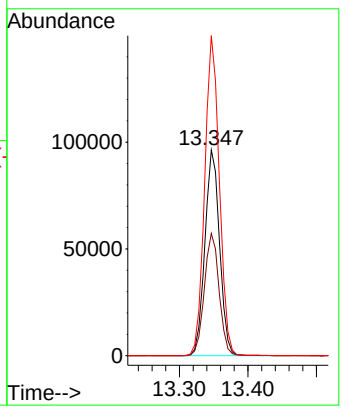


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

Tgt Ion:152 Resp: 143740

Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.0	87.0
150	154.9	0.0	347.2



Sample Results: **VY021436.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021436.D
Acq On : 06 Mar 2025 15:49
Operator : SY/MD
Sample : Q1488-03
Misc : 8.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: VY021436.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.879	346	354	364	rBV3	5026	14655	1.03%	0.200%
2	4.616	462	475	487	rBV2	14867	47666	3.36%	0.649%
3	7.634	959	970	976	rBV	208384	498593	35.10%	6.792%
4	7.707	976	982	997	rVB	319837	725452	51.08%	9.882%
5	8.061	1030	1040	1055	rBV	189314	425960	29.99%	5.802%
6	8.616	1121	1131	1142	rBV	521651	1035070	72.87%	14.099%
7	10.109	1367	1376	1392	rBV	834091	1420338	100.00%	19.347%
8	11.414	1583	1590	1603	rBV	755461	1206286	84.93%	16.431%
9	12.408	1746	1753	1766	rVB2	567811	927813	65.32%	12.638%
10	13.347	1895	1907	1916	rBV	613700	914833	64.41%	12.461%
11	13.889	1988	1996	2002	rVB2	75424	124689	8.78%	1.698%

Sum of corrected areas: 7341355

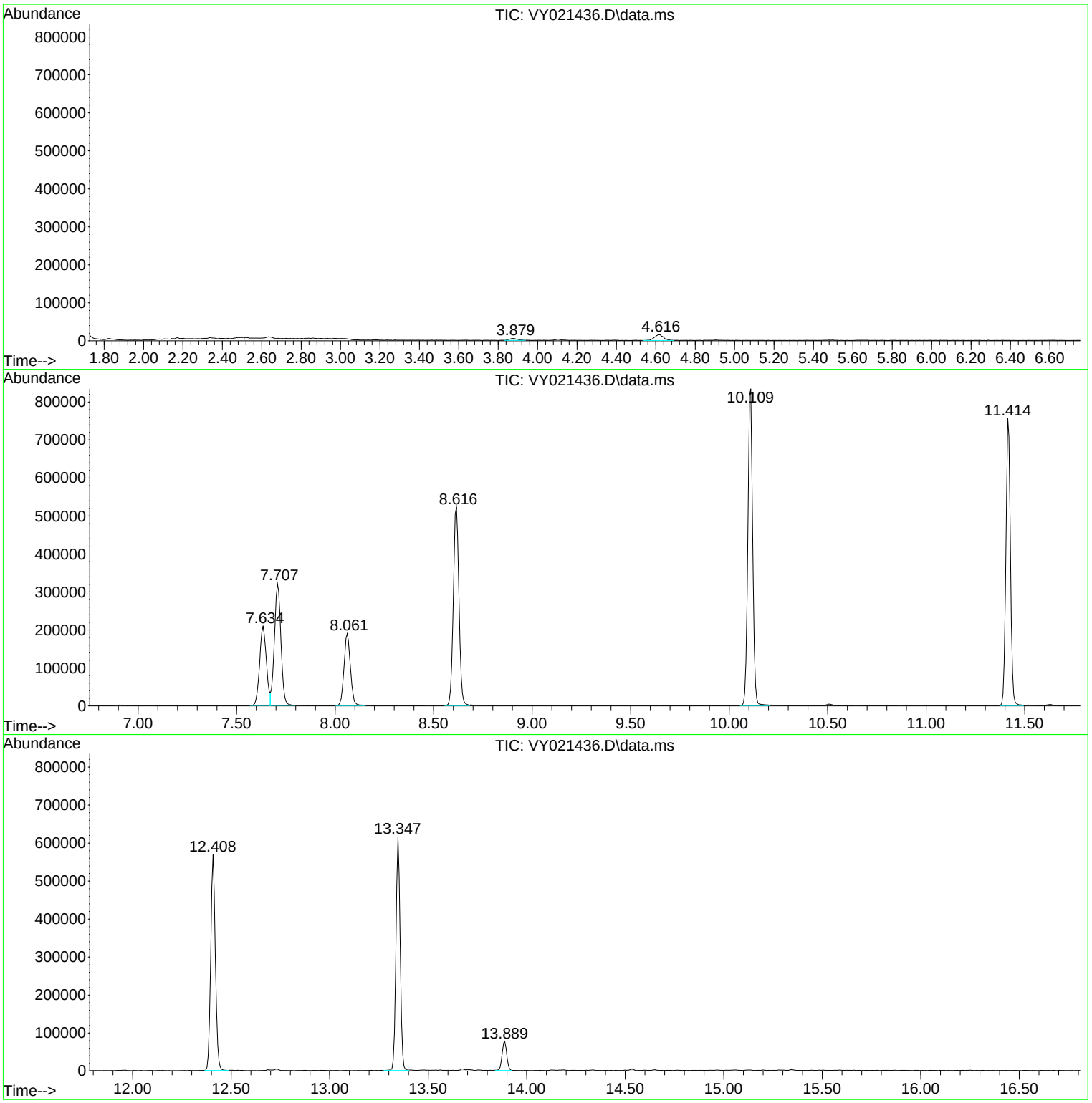
Sample Results: **VY021436.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021436.D
Acq On : 06 Mar 2025 15:49
Operator : SY/MD
Sample : Q1488-03
Misc : 8.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021436.D
Acq On : 06 Mar 2025 15:49
Operator : SY/MD
Sample : Q1488-03
Misc : 8.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

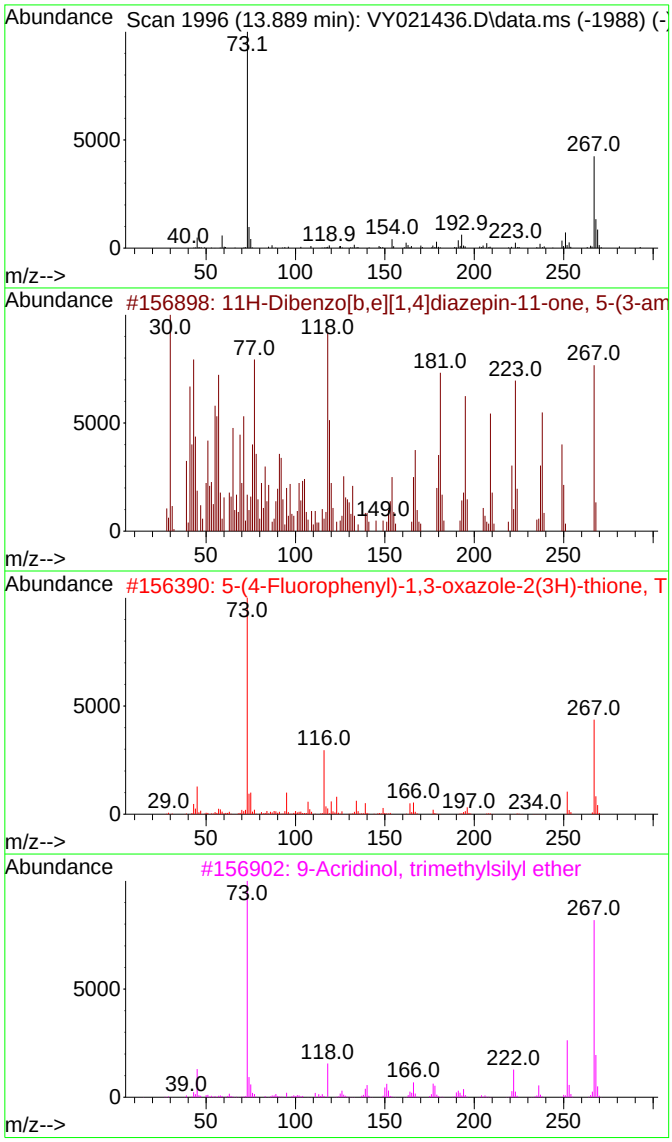
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

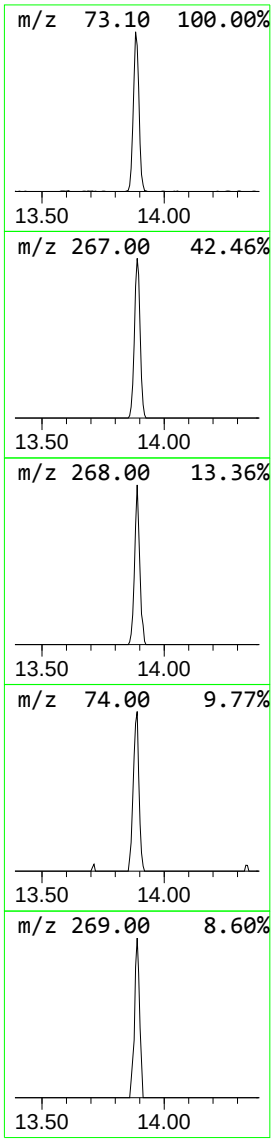
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	6.81 ug/l	124689	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	60
2	5-(4-Fluorophenyl)-1,3-oxazole-2...	267	C12H14FNOSSi	1000497-07-6	59
3	9-Acridinol, trimethylsilyl ether	267	C16H17NOSi	1000463-65-5	59
4	2-Amino-m-cresol, N,O-bis(trimet...	267	C13H25NOSi2	1000449-77-1	59
5	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021436.D
Acq On : 06 Mar 2025 15:49
Operator : SY/MD
Sample : Q1488-03
Misc : 8.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
11H-Dibenzo[b,e...	13.889	6.8	ug/l	124689	4	13.347	914833	50.0

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.7
Sample Wt/Vol:	7.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021437.D	1		03/06/25 16:12	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	4.00	ug/Kg
74-87-3	Chloromethane	0.92	U	0.92	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.61	U	0.61	4.00	ug/Kg
74-83-9	Bromomethane	0.82	U	0.82	4.00	ug/Kg
75-00-3	Chloroethane	0.80	U	0.80	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.72	U	0.72	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.62	U	0.62	4.00	ug/Kg
67-64-1	Acetone	4.90	U	4.90	19.8	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.53	U	0.53	4.00	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.00	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.66	U	0.66	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.50	U	0.50	4.00	ug/Kg
110-82-7	Cyclohexane	0.55	U	0.55	4.00	ug/Kg
78-93-3	2-Butanone	4.50	U	4.50	19.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.69	U	0.69	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.48	U	0.48	4.00	ug/Kg
74-97-5	Bromochloromethane	1.90	U	1.90	4.00	ug/Kg
67-66-3	Chloroform	0.53	U	0.53	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.62	U	0.62	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.69	U	0.69	4.00	ug/Kg
71-43-2	Benzene	0.57	U	0.57	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.48	U	0.48	4.00	ug/Kg
79-01-6	Trichloroethene	0.59	U	0.59	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.52	U	0.52	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.44	U	0.44	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	19.8	ug/Kg
108-88-3	Toluene	0.53	U	0.53	4.00	ug/Kg

Raw Data: **VY021437.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.7
Sample Wt/Vol:	7.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021437.D	1		03/06/25 16:12	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.47	U	0.47	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.66	U	0.66	4.00	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	19.8	ug/Kg
124-48-1	Dibromochloromethane	0.51	U	0.51	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.63	U	0.63	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.70	U	0.70	4.00	ug/Kg
108-90-7	Chlorobenzene	0.59	U	0.59	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	4.00	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	7.90	ug/Kg
95-47-6	o-Xylene	0.55	U	0.55	4.00	ug/Kg
100-42-5	Styrene	0.47	U	0.47	4.00	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.53	U	0.53	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.87	U	0.87	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.59	U	0.59	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.63	U	0.63	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.47	U	0.47	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.63	U	0.63	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.62	U	0.62	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.0		70 (63) - 130 (155)	128%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		70 (38) - 130 (136)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	245000	7.707			
540-36-3	1,4-Difluorobenzene	451000	8.616			
3114-55-4	Chlorobenzene-d5	409000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.347			

Raw Data: **VY021437.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.7
Sample Wt/Vol:	7.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021437.D	1		03/06/25 16:12	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021437.D
Acq On : 06 Mar 2025 16:12
Operator : SY/MD
Sample : Q1488-05
Misc : 7.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

Quant Time: Mar 07 00:41:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	245112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	408673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	161699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165897	64.036	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.080%			
35) Dibromofluoromethane	7.634	113	156243	52.730	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.460%			
50) Toluene-d8	10.103	98	552261	49.224	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.440%			
62) 4-Bromofluorobenzene	12.408	95	176528	46.256	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.520%			

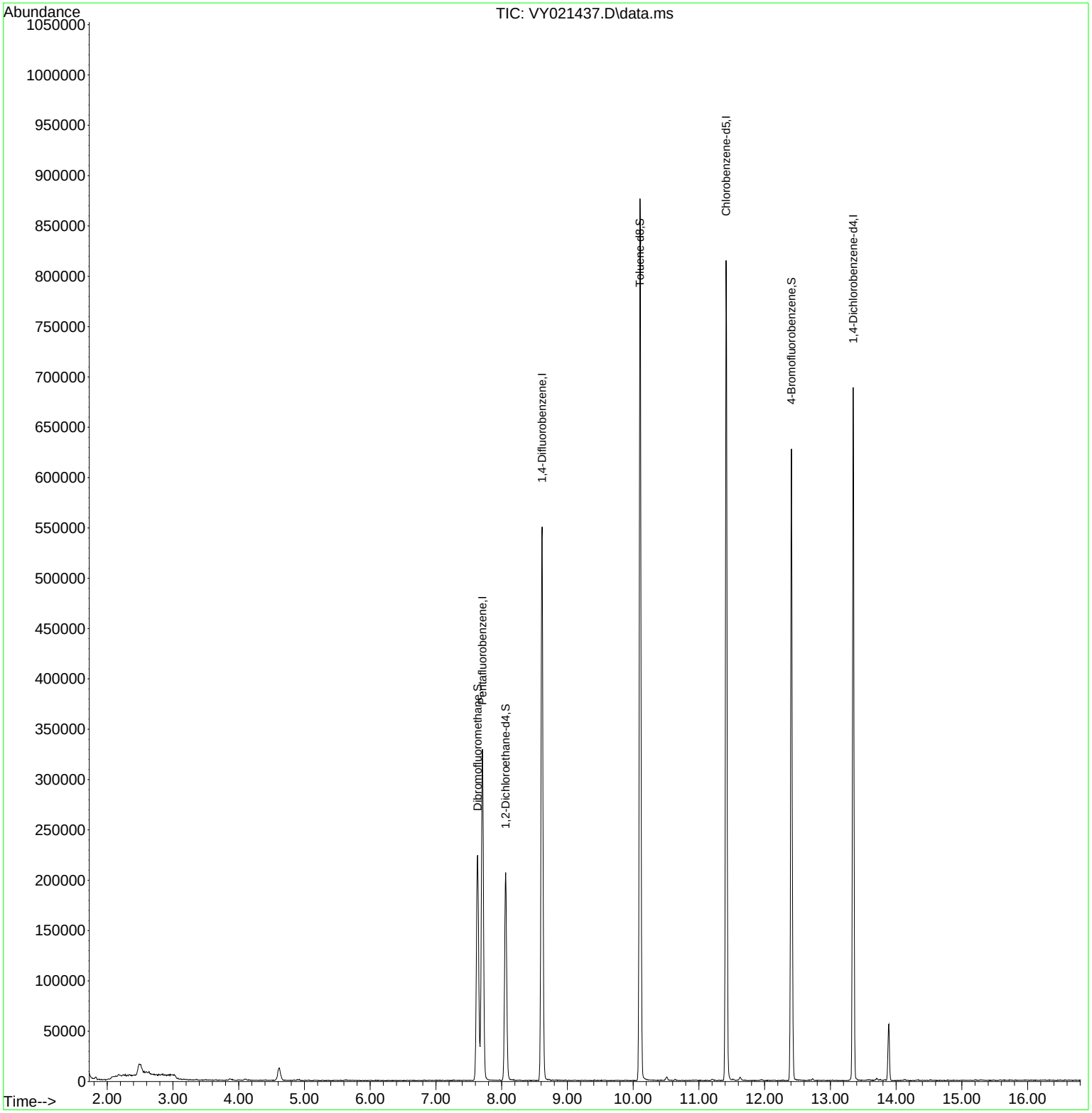
Target Compounds Qvalue

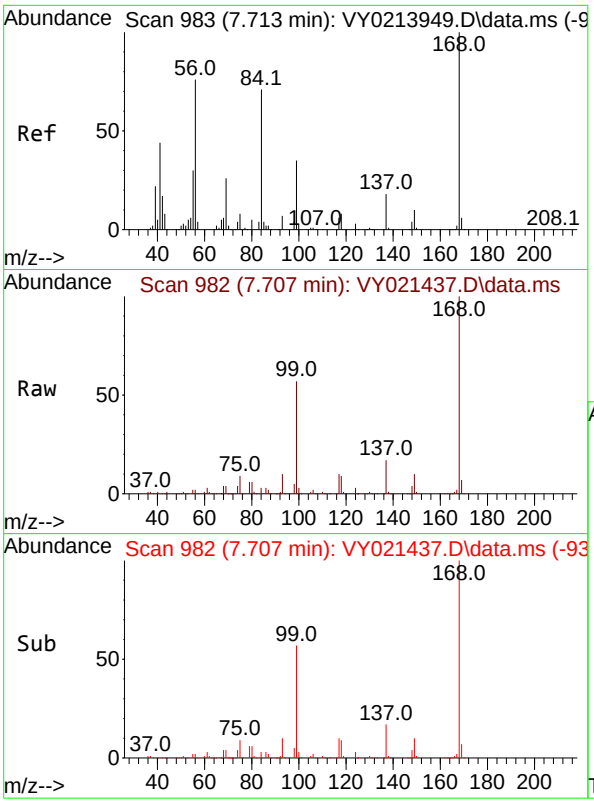
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021437.D
Acq On : 06 Mar 2025 16:12
Operator : SY/MD
Sample : Q1488-05
Misc : 7.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

Quant Time: Mar 07 00:41:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



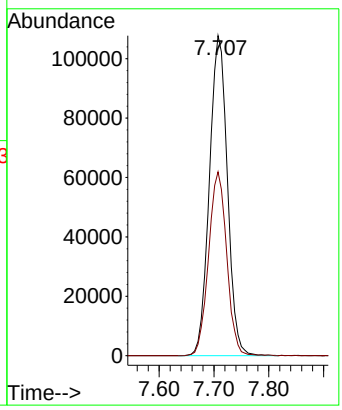


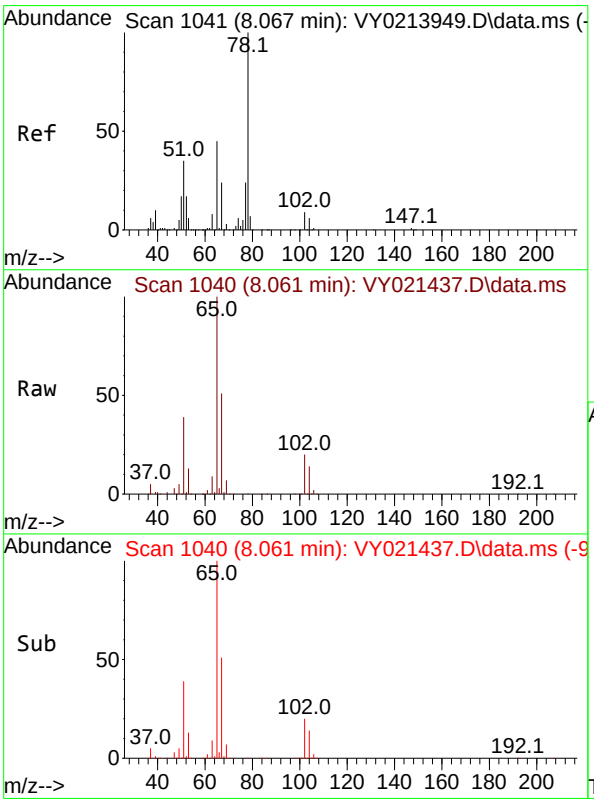
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

Tgt Ion:168 Resp: 245112

Ion	Ratio	Lower	Upper
168	100		
99	57.4	46.0	69.0

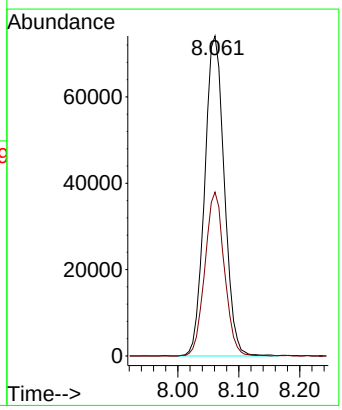


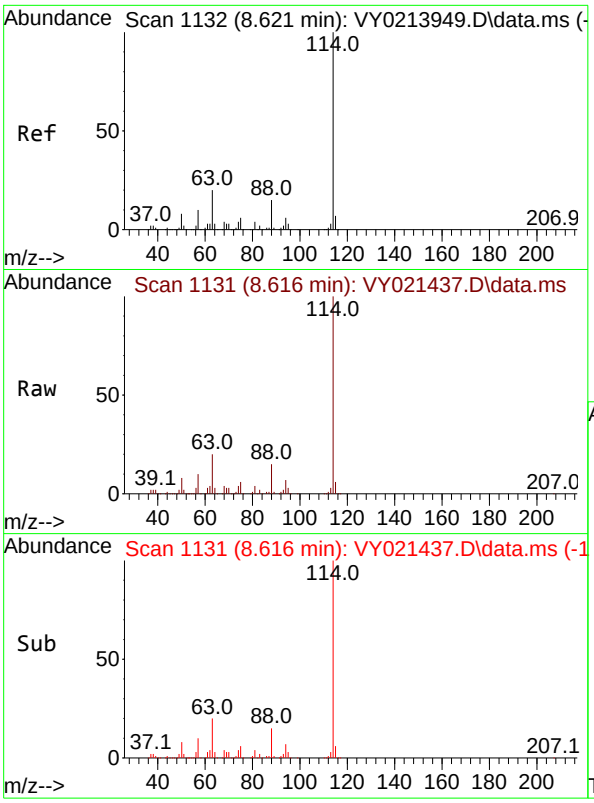


#33
1,2-Dichloroethane-d4
Concen: 64.036 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Tgt Ion: 65 Resp: 165897

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	102.8



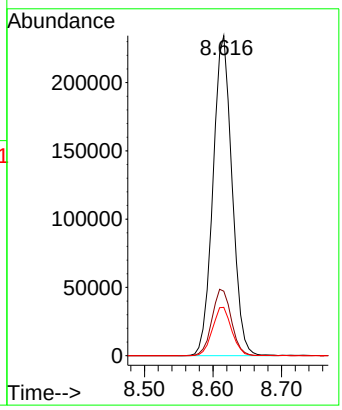


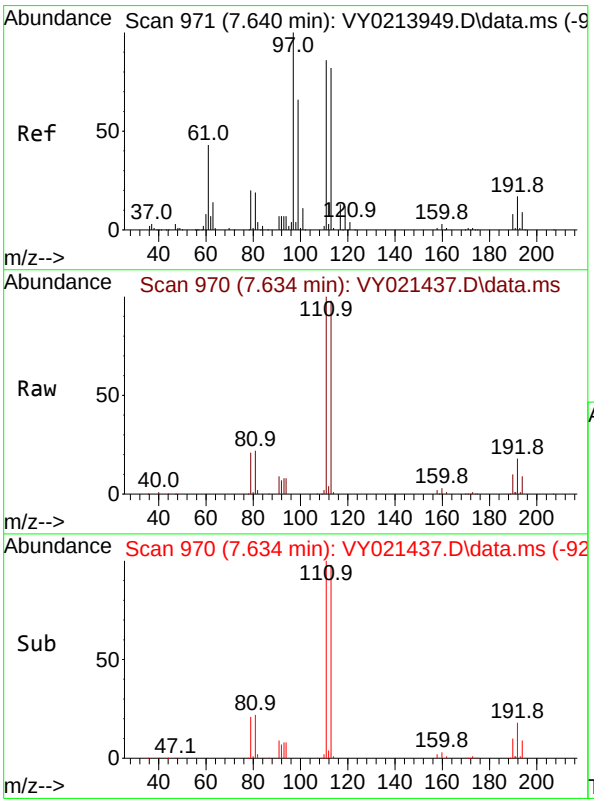
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

Tgt Ion:114 Resp: 450789

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	15.1	0.0	30.8

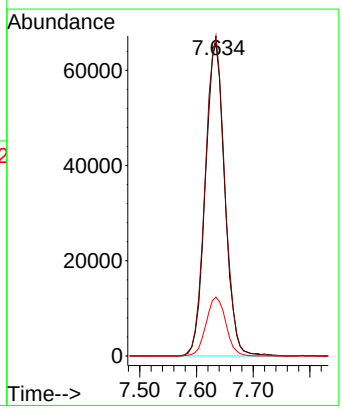


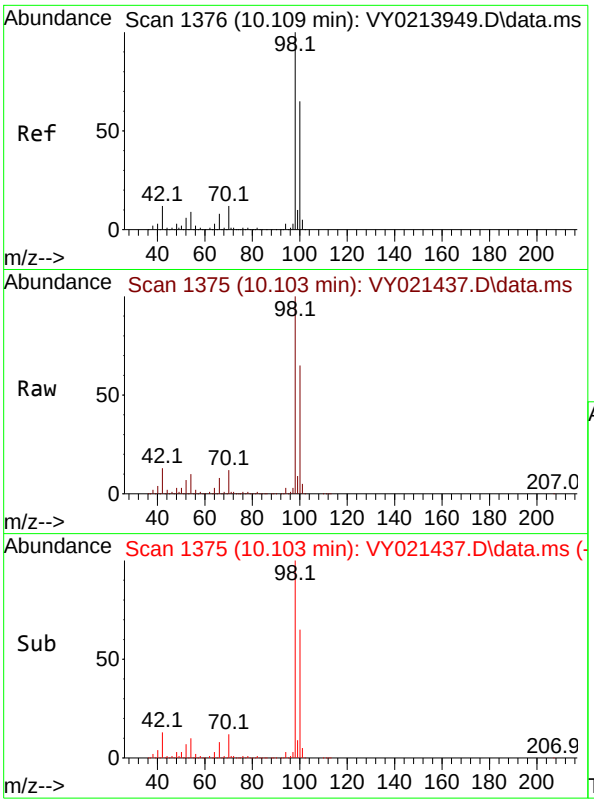


#35
Dibromofluoromethane
Concen: 52.730 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Tgt Ion:113 Resp: 156243

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	19.1	15.9	23.9



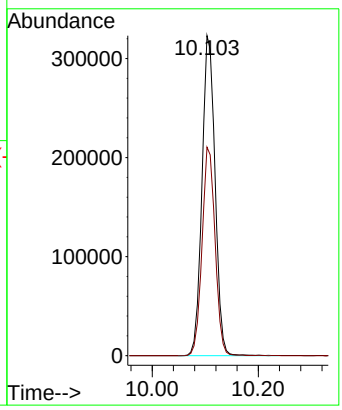


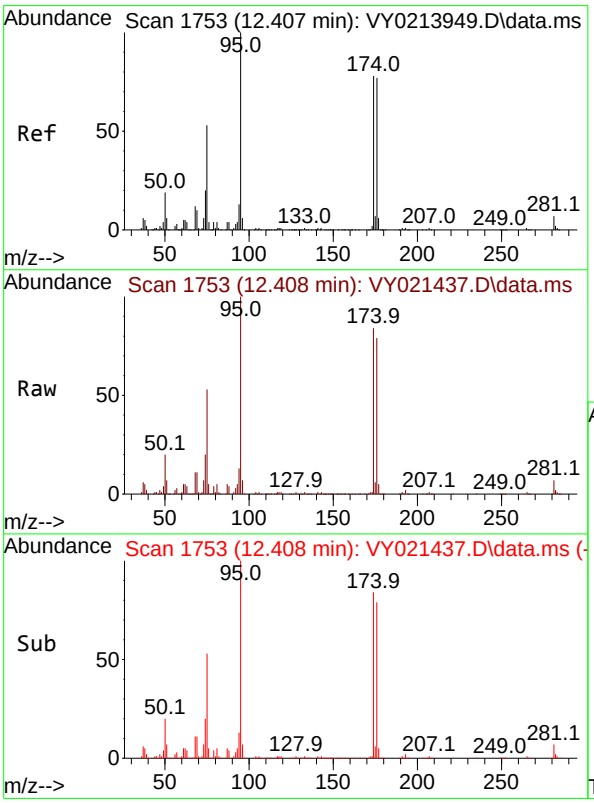
#50
Toluene-d8
Concen: 49.224 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

Tgt Ion: 98 Resp: 552261

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

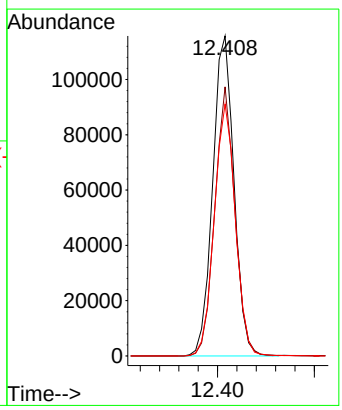


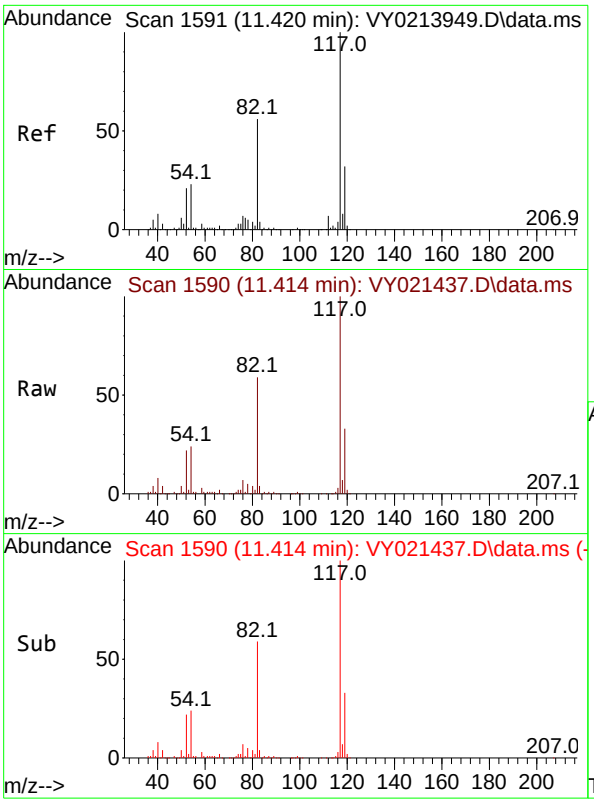


#62
4-Bromofluorobenzene
Concen: 46.256 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Tgt Ion: 95 Resp: 176528

Ion	Ratio	Lower	Upper
95	100		
174	79.6	0.0	165.0
176	78.3	0.0	160.0



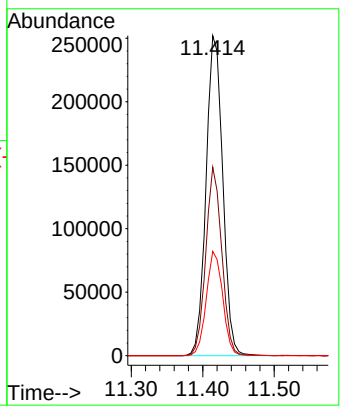


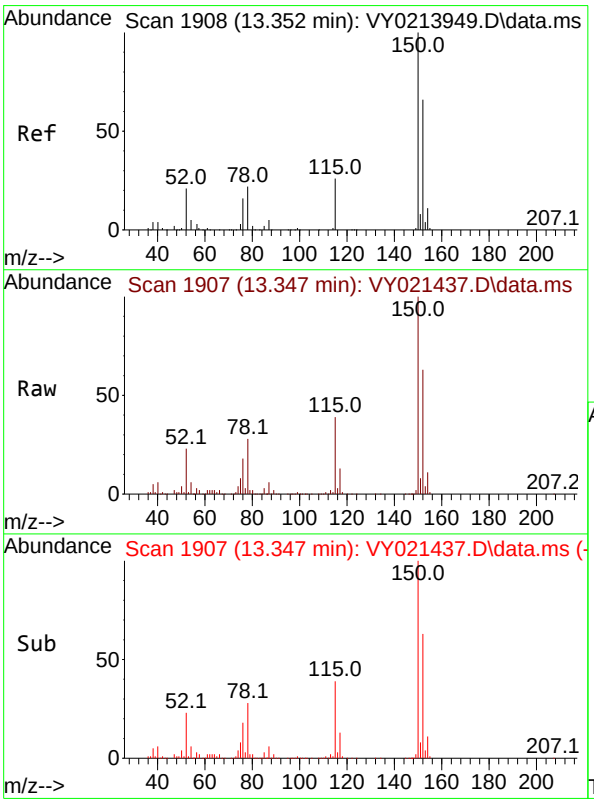
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

Tgt Ion:117 Resp: 408673

Ion	Ratio	Lower	Upper
117	100		
82	58.9	44.6	67.0
119	32.6	25.4	38.0

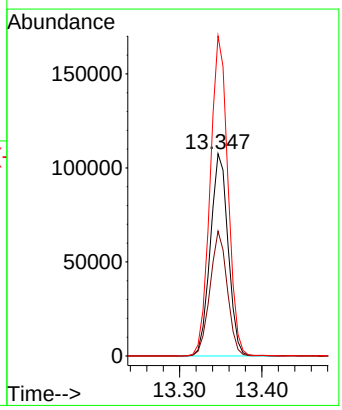




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Tgt Ion:152 Resp: 161699

Ion	Ratio	Lower	Upper
152	100		
115	59.8	29.0	87.0
150	157.6	0.0	347.2



Sample Results: **VY021437.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021437.D
Acq On : 06 Mar 2025 16:12
Operator : SY/MD
Sample : Q1488-05
Misc : 7.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: VY021437.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.483	118	125	126	rBV3	10614	18094	1.20%	0.231%
2	4.616	463	475	485	rBV3	12513	39182	2.60%	0.500%
3	7.634	957	970	976	rBV	223895	540378	35.89%	6.902%
4	7.707	976	982	997	rVB	328364	744139	49.42%	9.505%
5	8.061	1030	1040	1050	rBV	206579	460100	30.56%	5.877%
6	8.616	1122	1131	1144	rBV	550142	1086089	72.13%	13.872%
7	10.103	1366	1375	1392	rBV	876211	1505663	100.00%	19.231%
8	11.414	1583	1590	1603	rBV	814659	1310550	87.04%	16.739%
9	12.408	1746	1753	1762	rBV2	627414	1003226	66.63%	12.814%
10	13.347	1895	1907	1920	rBV	688567	1030336	68.43%	13.160%
11	13.889	1990	1996	2003	rVB2	55977	91564	6.08%	1.170%

Sum of corrected areas: 7829321

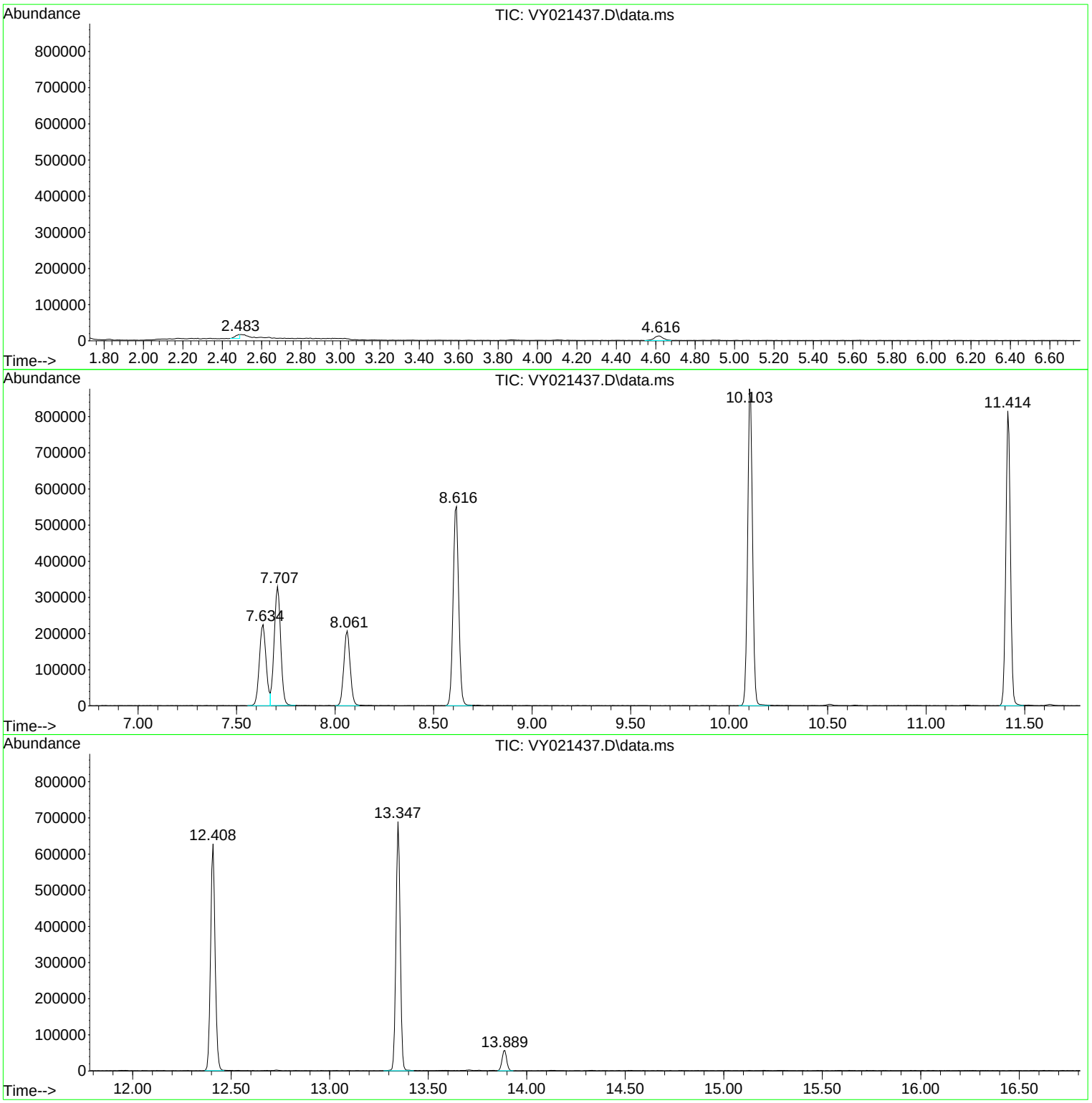
Sample Results: **VY021437.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021437.D
Acq On : 06 Mar 2025 16:12
Operator : SY/MD
Sample : Q1488-05
Misc : 7.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

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

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



Library Search Compound Report

Sample Results: **VY021437.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021437.D
Acq On : 06 Mar 2025 16:12
Operator : SY/MD
Sample : Q1488-05
Misc : 7.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021437.D
Acq On : 06 Mar 2025 16:12
Operator : SY/MD
Sample : Q1488-05
Misc : 7.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

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

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

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

Raw Data: **VY021459.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.1
Sample Wt/Vol:	7.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021459.D	1		03/07/25 14:28	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.20	ug/Kg
74-87-3	Chloromethane	0.98	U	0.98	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.65	U	0.65	4.20	ug/Kg
74-83-9	Bromomethane	0.87	U	0.87	4.20	ug/Kg
75-00-3	Chloroethane	0.85	U	0.85	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.77	U	0.77	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.90	U	0.90	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.66	U	0.66	4.20	ug/Kg
67-64-1	Acetone	8.60	J	5.30	21.1	ug/Kg
75-15-0	Carbon Disulfide	8.40		1.10	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.57	U	0.57	4.20	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.20	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.53	U	0.53	4.20	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	4.20	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	21.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	4.20	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.20	ug/Kg
67-66-3	Chloroform	0.57	U	0.57	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.66	U	0.66	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.20	ug/Kg
71-43-2	Benzene	0.61	U	0.61	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.51	U	0.51	4.20	ug/Kg
79-01-6	Trichloroethene	0.63	U	0.63	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.56	U	0.56	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.47	U	0.47	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	21.1	ug/Kg
108-88-3	Toluene	0.57	U	0.57	4.20	ug/Kg

Raw Data: **VY021459.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.1
Sample Wt/Vol:	7.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021459.D	1		03/07/25 14:28	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.51	U	0.51	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.48	U	0.48	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.71	U	0.71	4.20	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	21.1	ug/Kg
124-48-1	Dibromochloromethane	0.55	U	0.55	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.67	U	0.67	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	0.75	4.20	ug/Kg
108-90-7	Chlorobenzene	0.62	U	0.62	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.52	U	0.52	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.40	ug/Kg
95-47-6	o-Xylene	0.59	U	0.59	4.20	ug/Kg
100-42-5	Styrene	0.51	U	0.51	4.20	ug/Kg
75-25-2	Bromoform	0.68	U	0.68	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.57	U	0.57	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.93	U	0.93	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.62	U	0.62	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.67	U	0.67	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.67	U	0.67	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.66	U	0.66	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.9		70 (63) - 130 (155)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	47.9		70 (74) - 130 (123)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		70 (38) - 130 (136)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281000	7.707			
540-36-3	1,4-Difluorobenzene	508000	8.616			
3114-55-4	Chlorobenzene-d5	440000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	169000	13.346			

Raw Data: **VY021459.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.1
Sample Wt/Vol:	7.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021459.D	1		03/07/25 14:28	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY021459.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021459.D
Acq On : 07 Mar 2025 14:28
Operator : SY/MD
Sample : Q1488-07
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

Quant Time: Mar 08 00:36:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	280904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	508130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	440256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	168898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	168912	56.892	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.780%			
35) Dibromofluoromethane	7.634	113	168708	50.511	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%			
50) Toluene-d8	10.109	98	605434	47.874	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.740%			
62) 4-Bromofluorobenzene	12.408	95	180735	42.014	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.020%			
Target Compounds						Qvalue
16) Acetone	3.873	43	6598m	10.189	ug/l	
17) Carbon Disulfide	4.104	76	89720	9.921	ug/l	100

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

Sample Results: **VY021459.D**

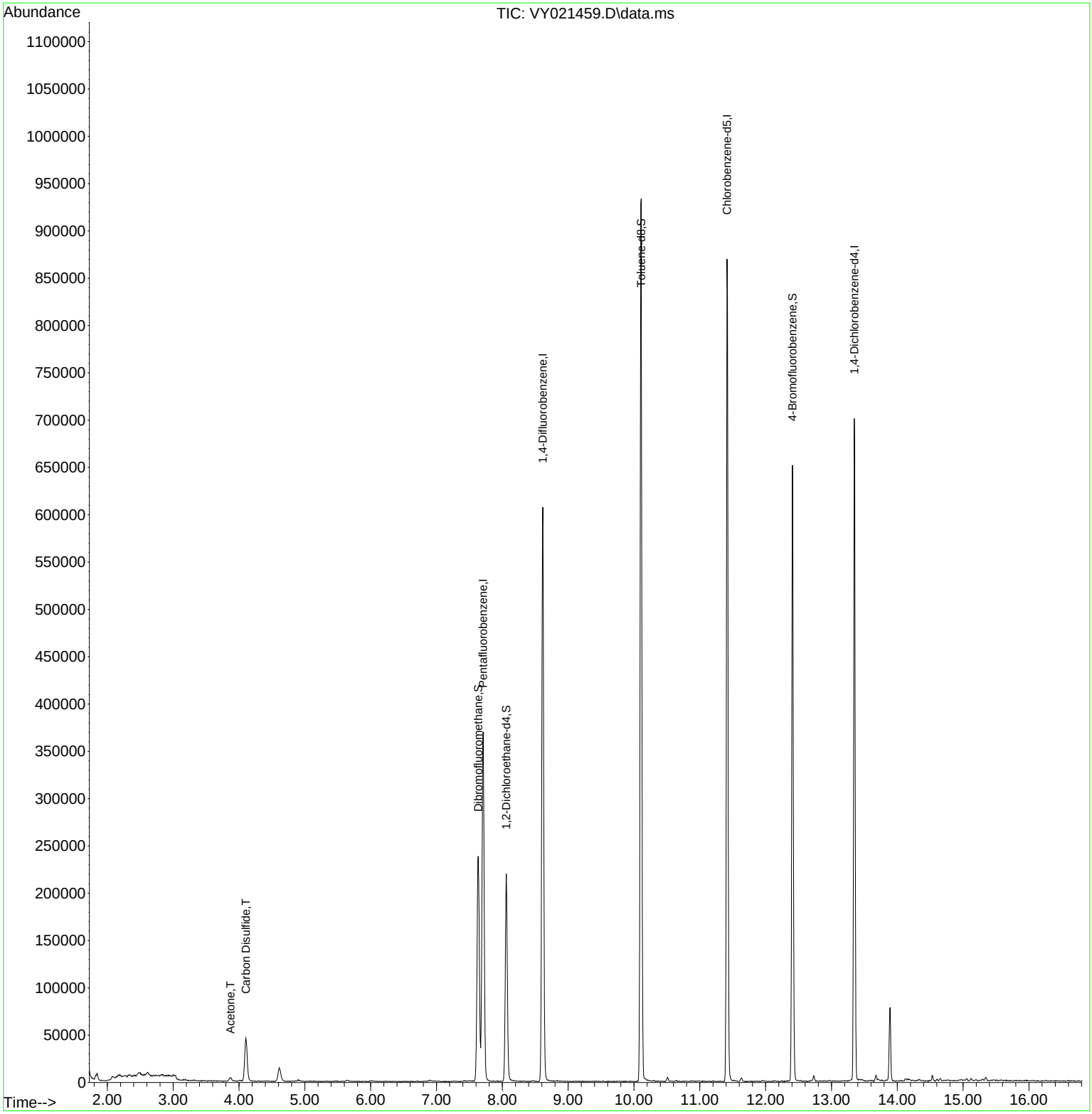
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021459.D
Acq On : 07 Mar 2025 14:28
Operator : SY/MD
Sample : Q1488-07
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

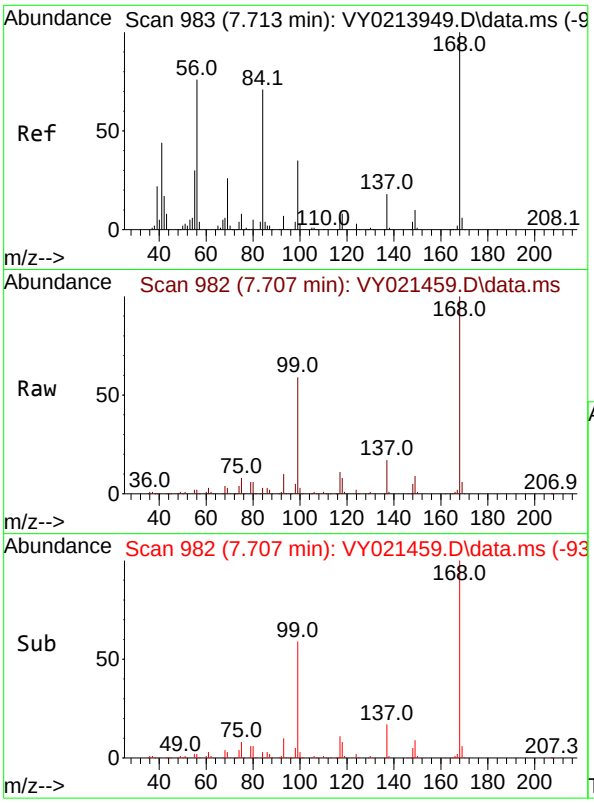
Quant Time: Mar 08 00:36:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

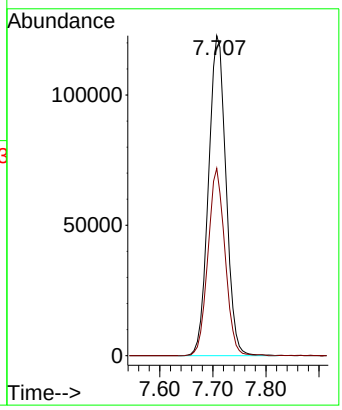




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion:168 Resp: 28090

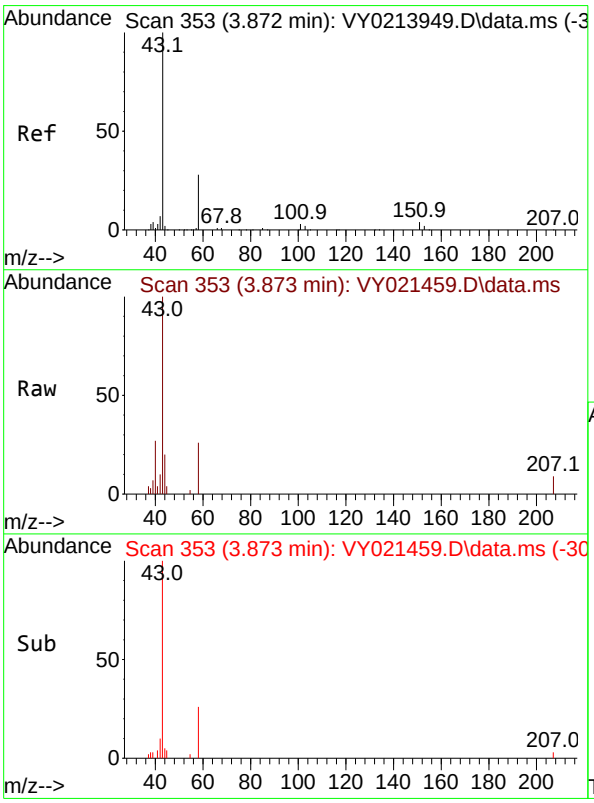
Ion	Ratio	Lower	Upper
168	100		
99	58.5	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

Manual Integrations
APPROVED

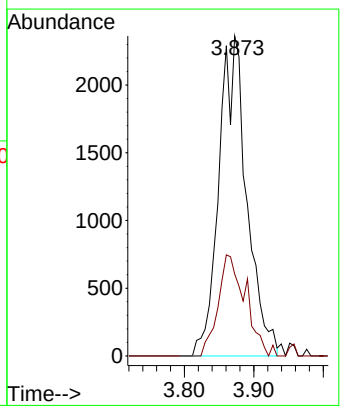
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

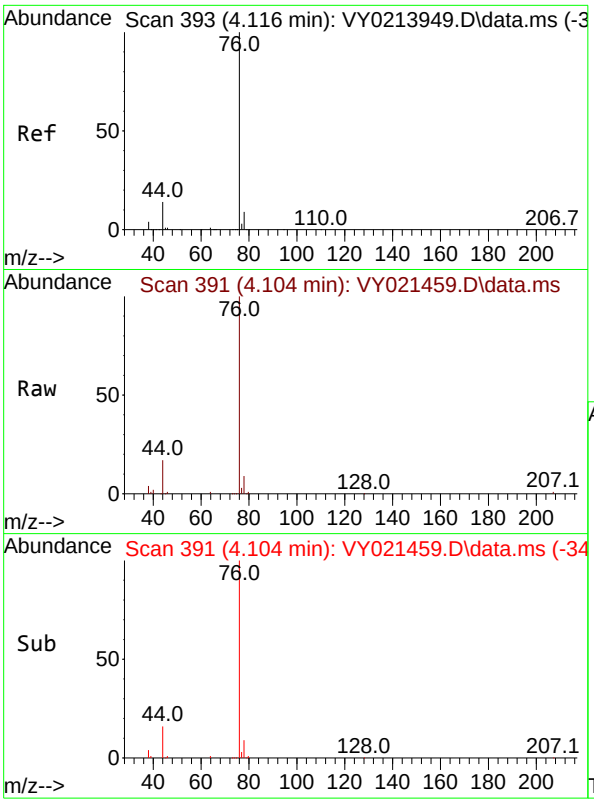


#16
Acetone
Concen: 10.189 ug/l m
RT: 3.873 min Scan# 353
Delta R.T. 0.001 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion: 43 Resp: 6598

Ion	Ratio	Lower	Upper
43	100		
58	25.6	22.1	33.1

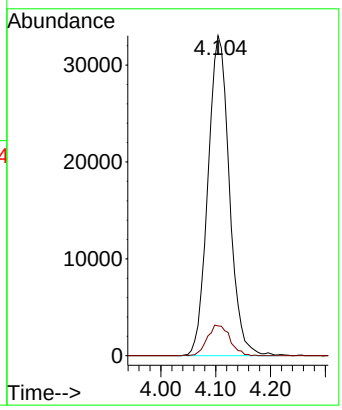




#17
Carbon Disulfide
Concen: 9.921 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion: 76 Resp: 8972

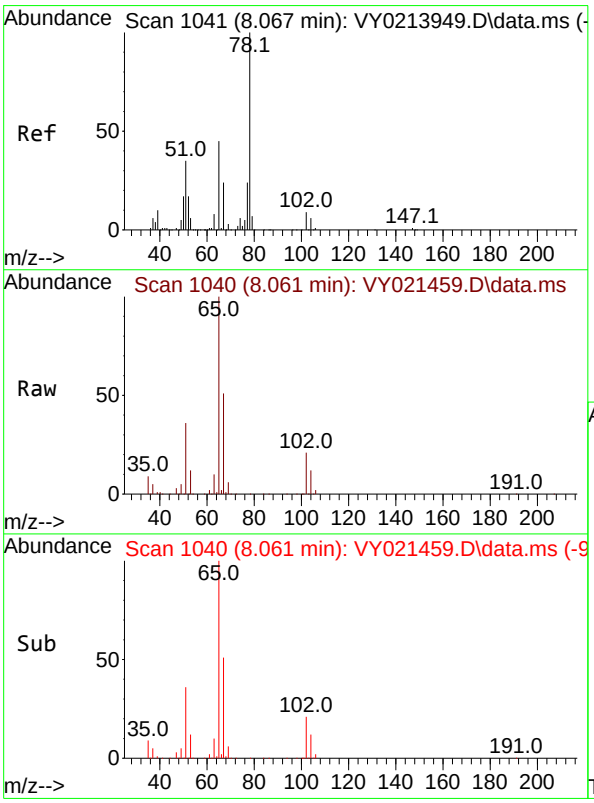
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

Manual Integrations
APPROVED

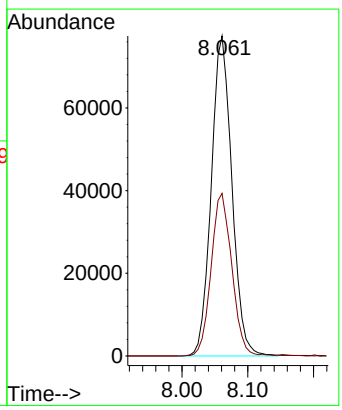
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

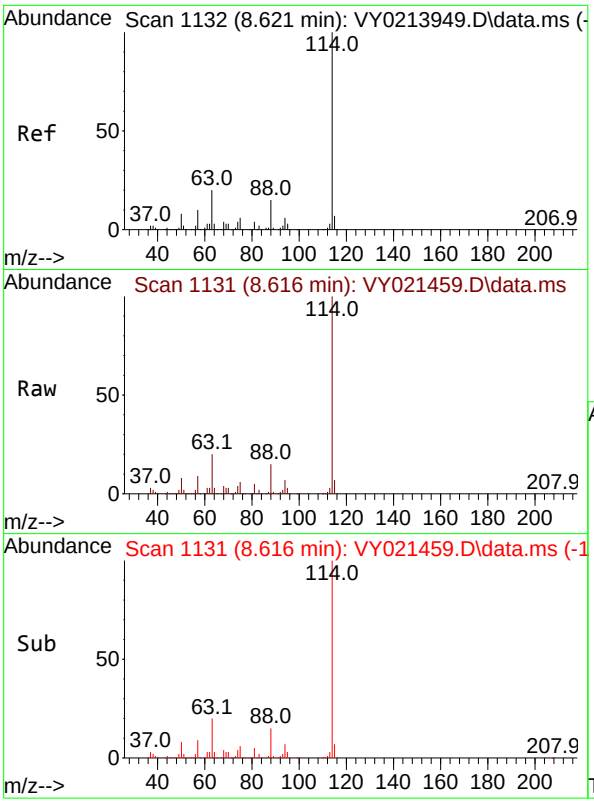


#33
1,2-Dichloroethane-d4
Concen: 56.892 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion: 65 Resp: 168912

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.8

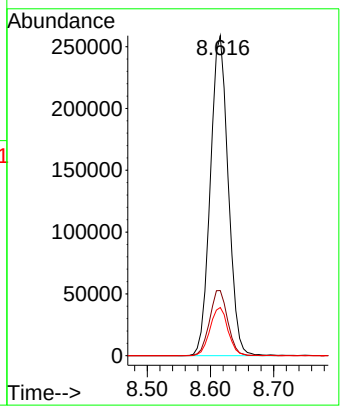




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion:114 Resp: 50813

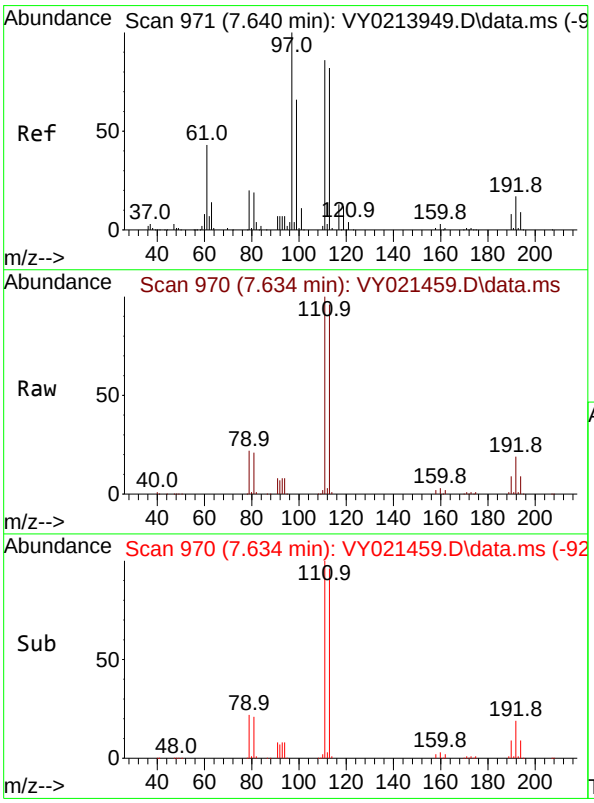
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.1	0.0	30.8



Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

Manual Integrations
APPROVED

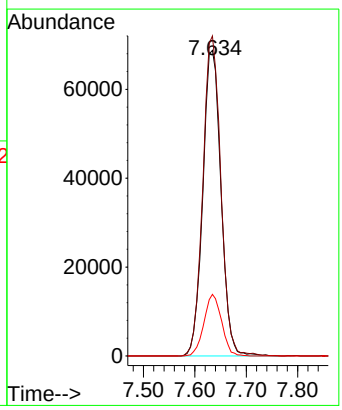
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

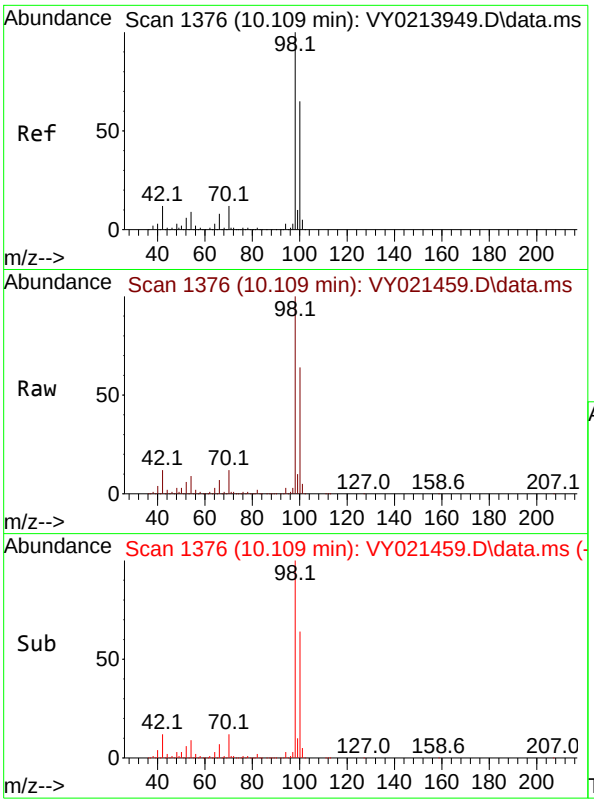


#35
Dibromofluoromethane
Concen: 50.511 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion:113 Resp: 168708

Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.0	123.0
192	19.6	15.9	23.9





#50
Toluene-d8
Concen: 47.874 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

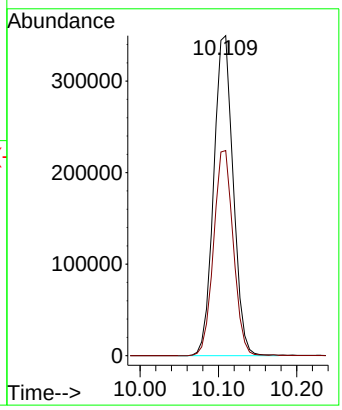
Tgt Ion: 98 Resp: 60543

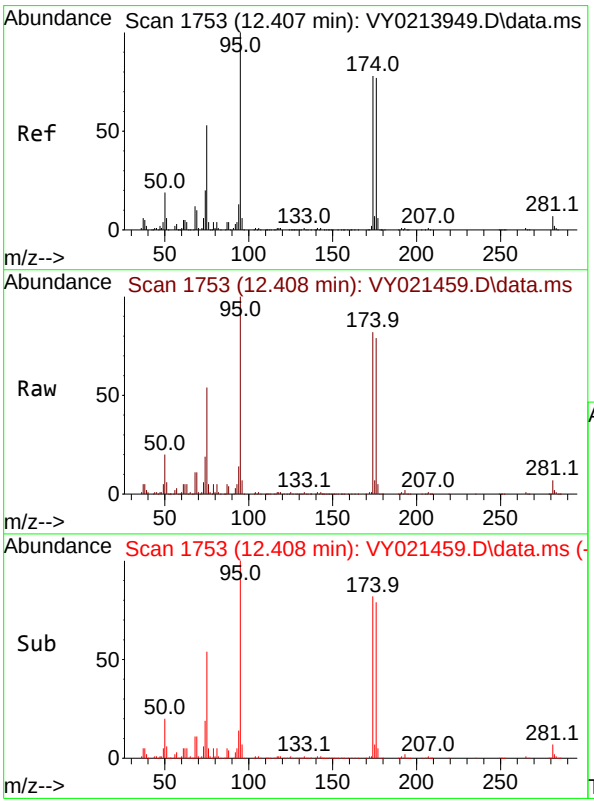
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

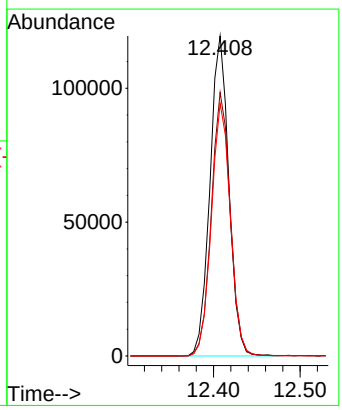


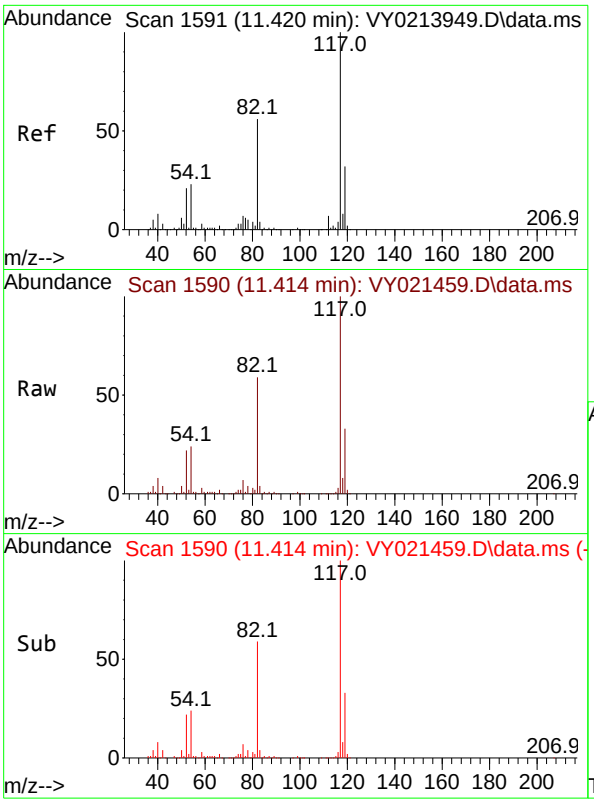


#62
4-Bromofluorobenzene
Concen: 42.014 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion: 95 Resp: 180735

Ion	Ratio	Lower	Upper
95	100		
174	82.8	0.0	165.0
176	79.6	0.0	160.0

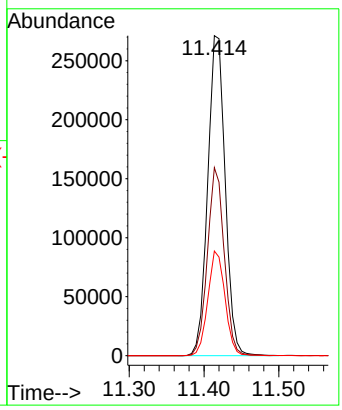




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion:117 Resp: 44025

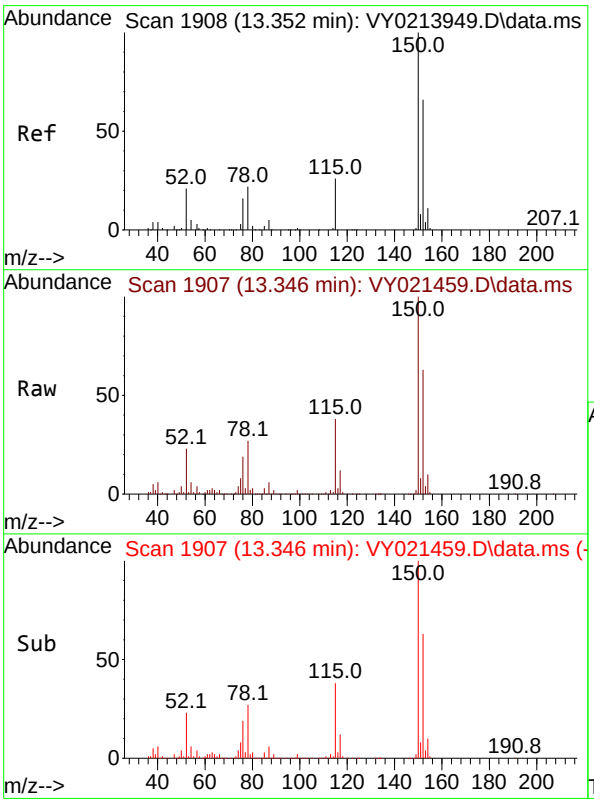
Ion	Ratio	Lower	Upper
117	100		
82	58.8	44.6	67.0
119	32.7	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

Manual Integrations
APPROVED

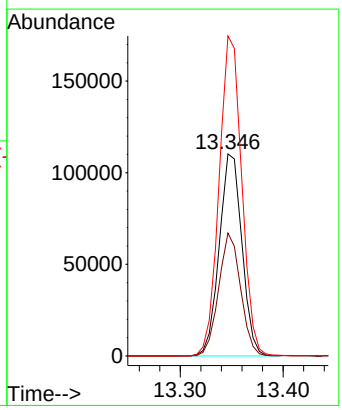
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion:152 Resp: 168898

Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.0	87.0
150	157.9	0.0	347.2



Sample Results: **VY021459.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021459.D
Acq On : 07 Mar 2025 14:28
Operator : SY/MD
Sample : Q1488-07
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: VY021459.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.104	382	391	405	rVB	45351	121696	7.41%	1.424%
2	4.610	463	474	488	rBV3	14257	43542	2.65%	0.510%
3	7.634	959	970	976	rBV	237838	578627	35.22%	6.773%
4	7.707	976	982	998	rVB	368911	844566	51.41%	9.886%
5	8.061	1028	1040	1054	rBV	219366	474842	28.90%	5.558%
6	8.616	1119	1131	1143	rBV	607082	1207243	73.48%	14.131%
7	10.109	1368	1376	1386	rBV	932858	1642918	100.00%	19.231%
8	11.414	1582	1590	1602	rBV	869276	1399806	85.20%	16.385%
9	12.408	1745	1753	1765	rBV2	650873	1043472	63.51%	12.214%
10	13.346	1900	1907	1917	rVB	699214	1062515	64.67%	12.437%
11	13.889	1987	1996	2002	rVB2	77261	123873	7.54%	1.450%

Sum of corrected areas: 8543100

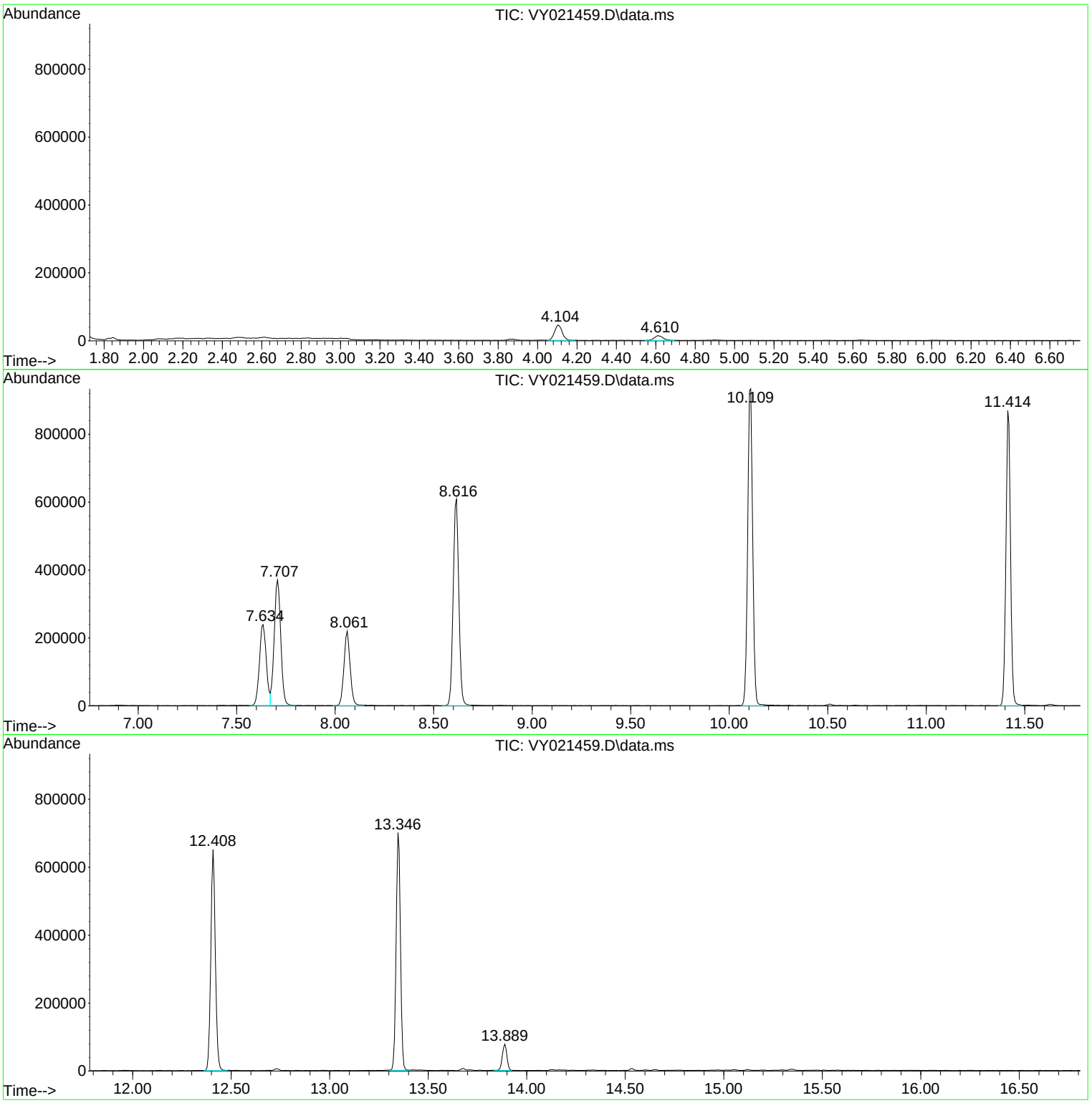
Sample Results: **VY021459.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021459.D
Acq On : 07 Mar 2025 14:28
Operator : SY/MD
Sample : Q1488-07
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

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

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021459.D
Acq On : 07 Mar 2025 14:28
Operator : SY/MD
Sample : Q1488-07
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021459.D
Acq On : 07 Mar 2025 14:28
Operator : SY/MD
Sample : Q1488-07
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

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

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

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

Raw Data: **VY021460.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.6
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021460.D	1		03/07/25 14:52	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.10	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.10	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.10	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.93	U	0.93	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.80	U	0.80	5.10	ug/Kg
67-64-1	Acetone	9.00	J	6.40	25.6	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.69	U	0.69	5.10	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.10	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.64	U	0.64	5.10	ug/Kg
110-82-7	Cyclohexane	0.71	U	0.71	5.10	ug/Kg
78-93-3	2-Butanone	5.80	U	5.80	25.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.89	U	0.89	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	5.10	ug/Kg
74-97-5	Bromochloromethane	2.50	U	2.50	5.10	ug/Kg
67-66-3	Chloroform	0.69	U	0.69	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	5.10	ug/Kg
108-87-2	Methylcyclohexane	0.89	U	0.89	5.10	ug/Kg
71-43-2	Benzene	0.74	U	0.74	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.62	U	0.62	5.10	ug/Kg
79-01-6	Trichloroethene	0.77	U	0.77	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.67	U	0.67	5.10	ug/Kg
75-27-4	Bromodichloromethane	0.57	U	0.57	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.6	ug/Kg
108-88-3	Toluene	0.69	U	0.69	5.10	ug/Kg

Raw Data: **VY021460.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.6
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021460.D	1		03/07/25 14:52	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.61	U	0.61	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.58	U	0.58	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.86	U	0.86	5.10	ug/Kg
591-78-6	2-Hexanone	4.90	U	4.90	25.6	ug/Kg
124-48-1	Dibromochloromethane	0.66	U	0.66	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.81	U	0.81	5.10	ug/Kg
127-18-4	Tetrachloroethene	0.91	U	0.91	5.10	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	5.10	ug/Kg
100-41-4	Ethyl Benzene	0.63	U	0.63	5.10	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.2	ug/Kg
95-47-6	o-Xylene	0.72	U	0.72	5.10	ug/Kg
100-42-5	Styrene	0.61	U	0.61	5.10	ug/Kg
75-25-2	Bromoform	0.83	U	0.83	5.10	ug/Kg
98-82-8	Isopropylbenzene	0.69	U	0.69	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.76	U	0.76	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.82	U	0.82	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.60	U	0.60	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.81	U	0.81	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.80	U	0.80	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		70 (63) - 130 (155)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.0	*	70 (38) - 130 (136)	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	272000	7.707			
540-36-3	1,4-Difluorobenzene	479000	8.616			
3114-55-4	Chlorobenzene-d5	375000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	106000	13.346			

Raw Data: **VY021460.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.6
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021460.D	1		03/07/25 14:52	VY030725

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\VY030725\
Data File : VY021460.D
Acq On : 07 Mar 2025 14:52
Operator : SY/MD
Sample : Q1488-09
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

Quant Time: Mar 07 22:01:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

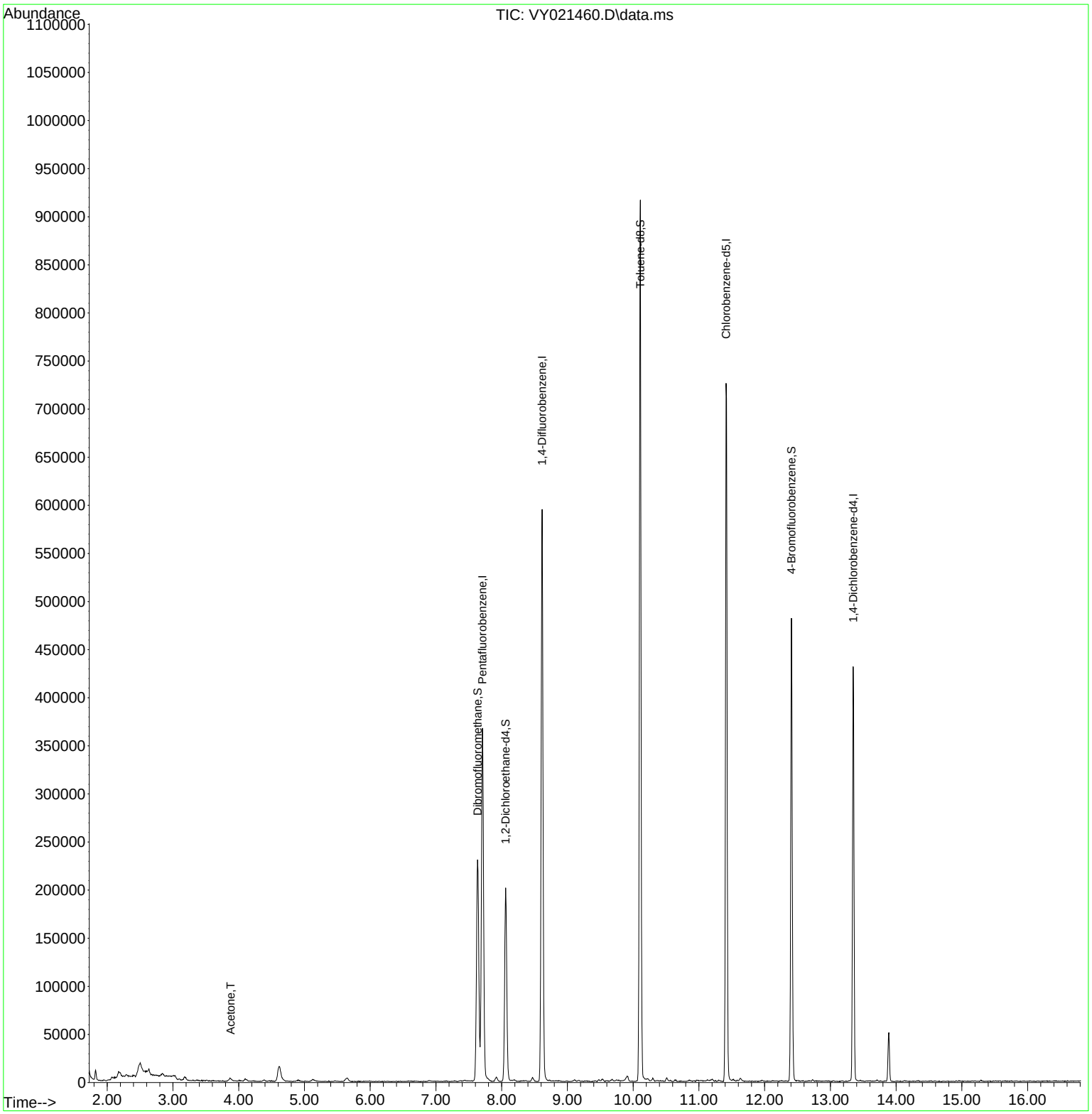
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	272187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	106159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160785	55.889	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.780%			
35) Dibromofluoromethane	7.634	113	164592	52.252	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.500%			
50) Toluene-d8	10.109	98	579055	48.551	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.100%			
62) 4-Bromofluorobenzene	12.408	95	133721	32.960	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 65.920%			
Target Compounds						Qvalue
16) Acetone	3.879	43	5515	8.789	ug/l	93

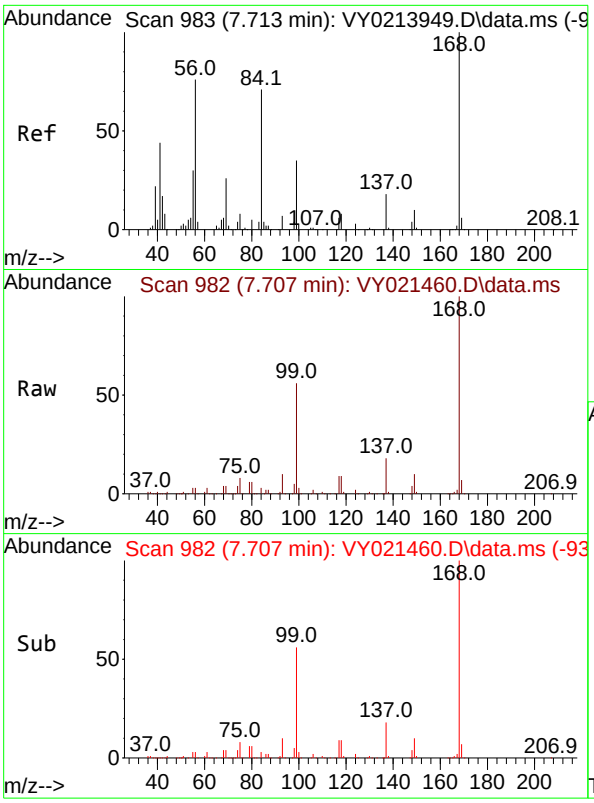
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021460.D
Acq On : 07 Mar 2025 14:52
Operator : SY/MD
Sample : Q1488-09
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

Quant Time: Mar 07 22:01:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



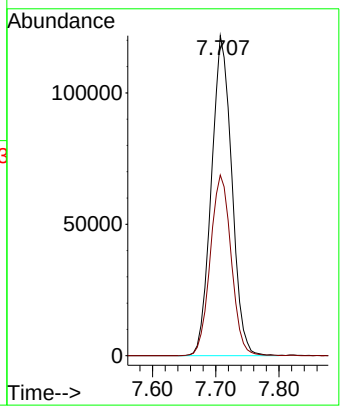


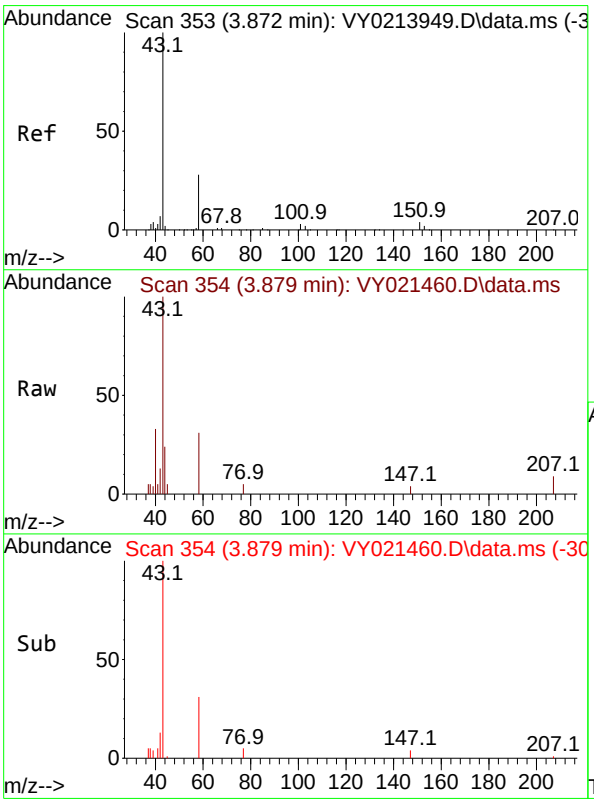
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021460.D
Acq: 07 Mar 2025 14:52

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

Tgt Ion:168 Resp: 272187

Ion	Ratio	Lower	Upper
168	100		
99	56.5	46.0	69.0

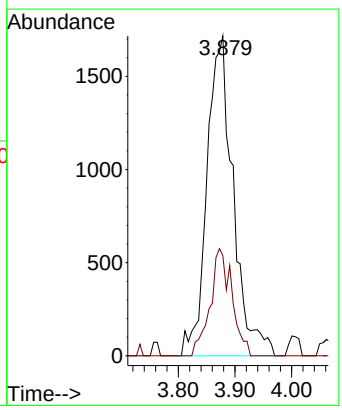


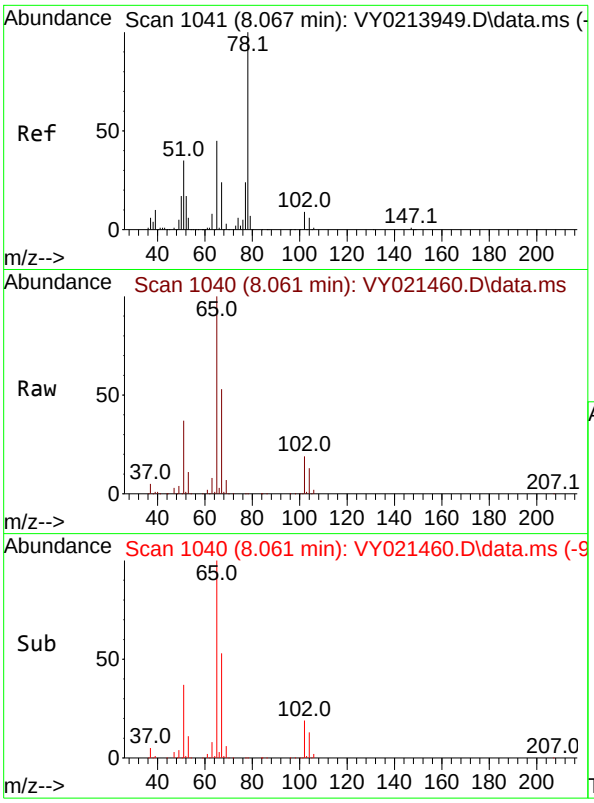


#16
Acetone
Concen: 8.789 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.007 min
Lab File: VY021460.D
Acq: 07 Mar 2025 14:52

Tgt Ion: 43 Resp: 5515

Ion	Ratio	Lower	Upper
43	100		
58	31.4	22.1	33.1



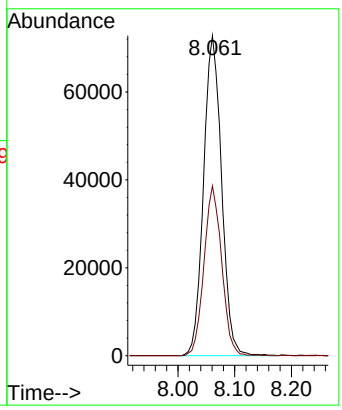


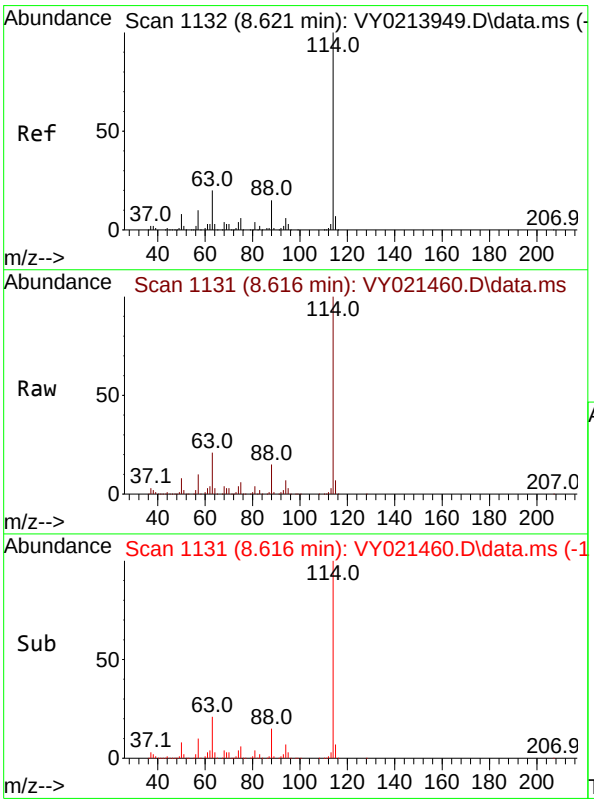
#33
1,2-Dichloroethane-d4
Concen: 55.889 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021460.D
Acq: 07 Mar 2025 14:52

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

Tgt Ion: 65 Resp: 160785

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.8

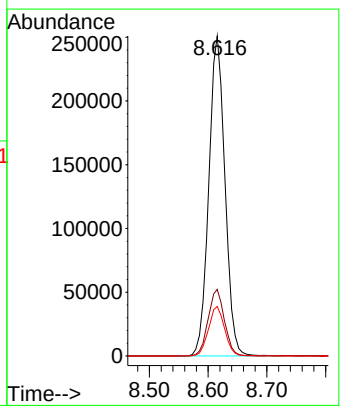


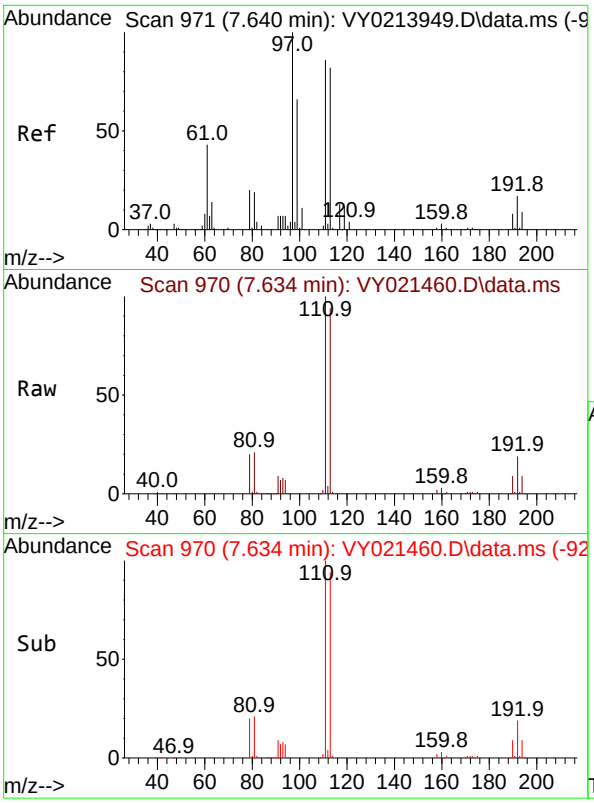


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021460.D
Acq: 07 Mar 2025 14:52

Tgt Ion:114 Resp: 479219

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.4	0.0	30.8



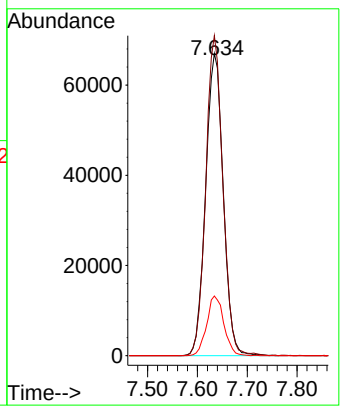


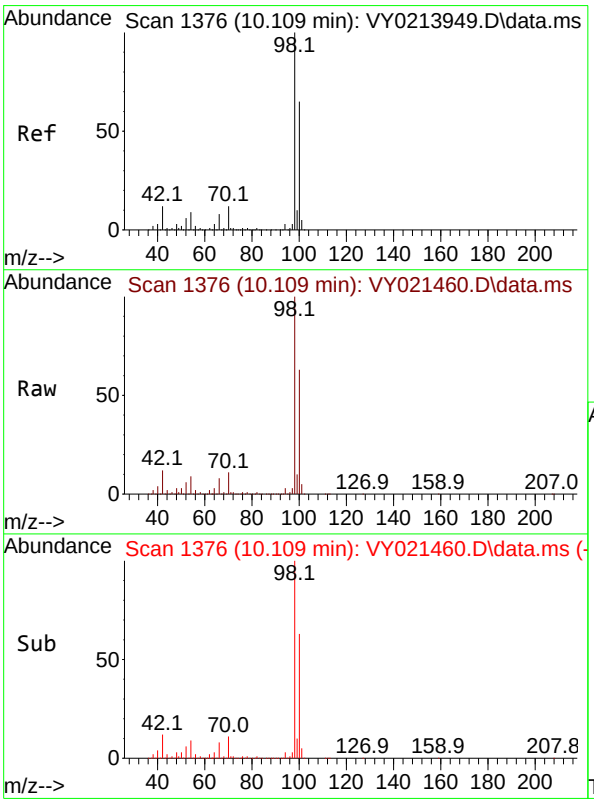
#35
Dibromofluoromethane
Concen: 52.252 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021460.D
Acq: 07 Mar 2025 14:52

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

Tgt Ion:113 Resp: 164592

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	19.3	15.9	23.9

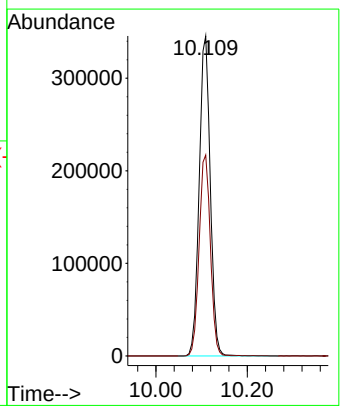


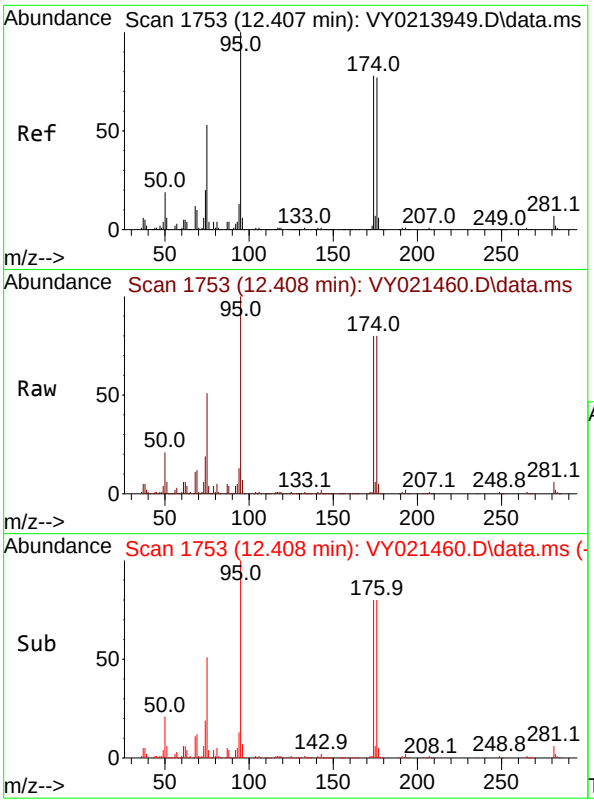


#50
Toluene-d8
Concen: 48.551 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021460.D
Acq: 07 Mar 2025 14:52

Tgt Ion: 98 Resp: 579055

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.1	78.1



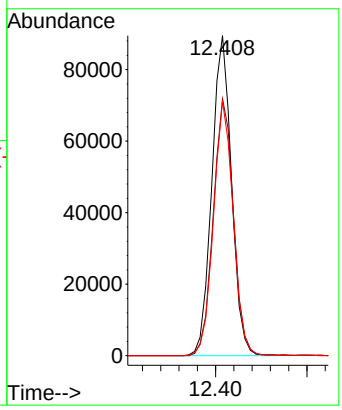


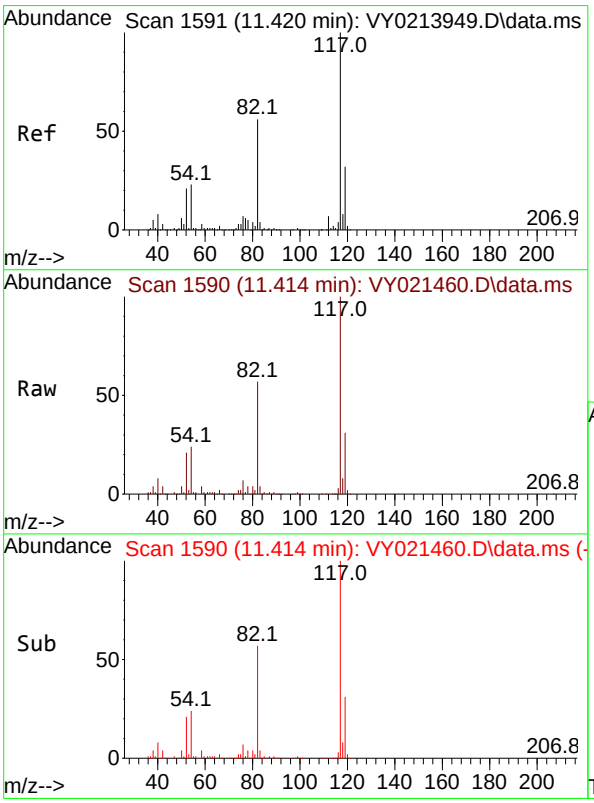
#62
4-Bromofluorobenzene
Concen: 32.960 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021460.D
Acq: 07 Mar 2025 14:52

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

Tgt Ion: 95 Resp: 133721

Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	165.0
176	79.6	0.0	160.0

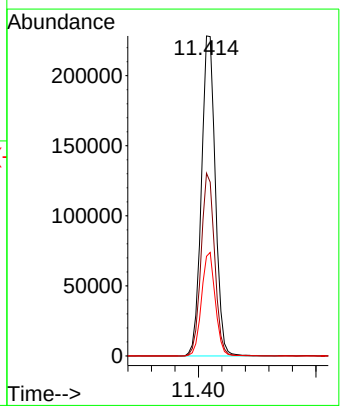


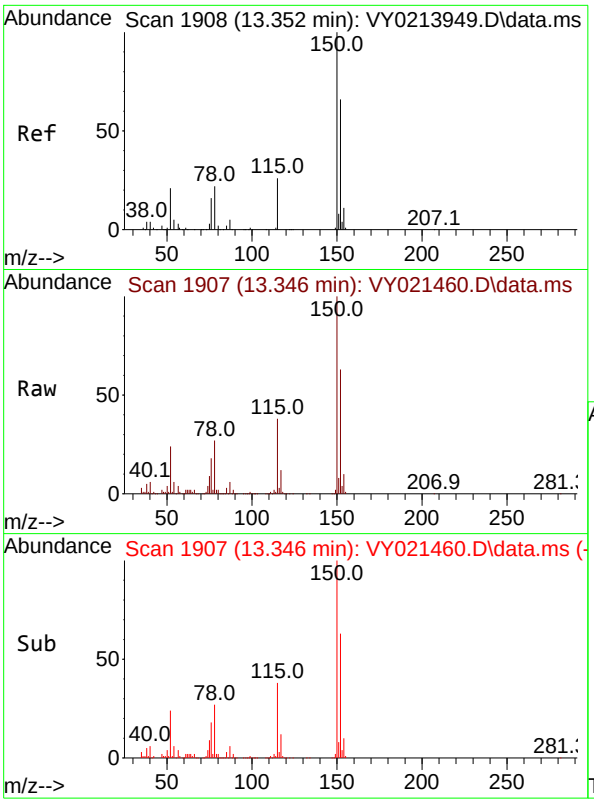


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021460.D
Acq: 07 Mar 2025 14:52

Tgt Ion:117 Resp: 375437

Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.6	67.0
119	31.2	25.4	38.0



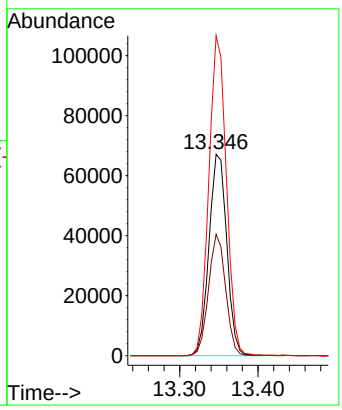


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021460.D
Acq: 07 Mar 2025 14:52

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

Tgt Ion:152 Resp: 106159

Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.0	87.0
150	155.8	0.0	347.2



Sample Results: **VY021460.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021460.D
Acq On : 07 Mar 2025 14:52
Operator : SY/MD
Sample : Q1488-09
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: VY021460.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.501	116	128	137	rBV10	14675	63692	4.08%	0.862%
2	4.616	463	475	492	rBV3	15735	59444	3.81%	0.804%
3	7.634	958	970	976	rBV2	230297	561302	35.99%	7.594%
4	7.707	976	982	994	rVB	364320	823642	52.81%	11.143%
5	8.061	1030	1040	1052	rBV	201221	450805	28.90%	6.099%
6	8.616	1122	1131	1145	rBV	594633	1151235	73.81%	15.575%
7	10.109	1368	1376	1388	rBV	915854	1559733	100.00%	21.102%
8	11.414	1583	1590	1604	rBV	725855	1196768	76.73%	16.191%
9	12.408	1745	1753	1765	rBV2	481424	774375	49.65%	10.477%
10	13.346	1891	1907	1920	rBV	431378	670227	42.97%	9.068%
11	13.889	1990	1996	2003	rVB	50654	80153	5.14%	1.084%

Sum of corrected areas: 7391376

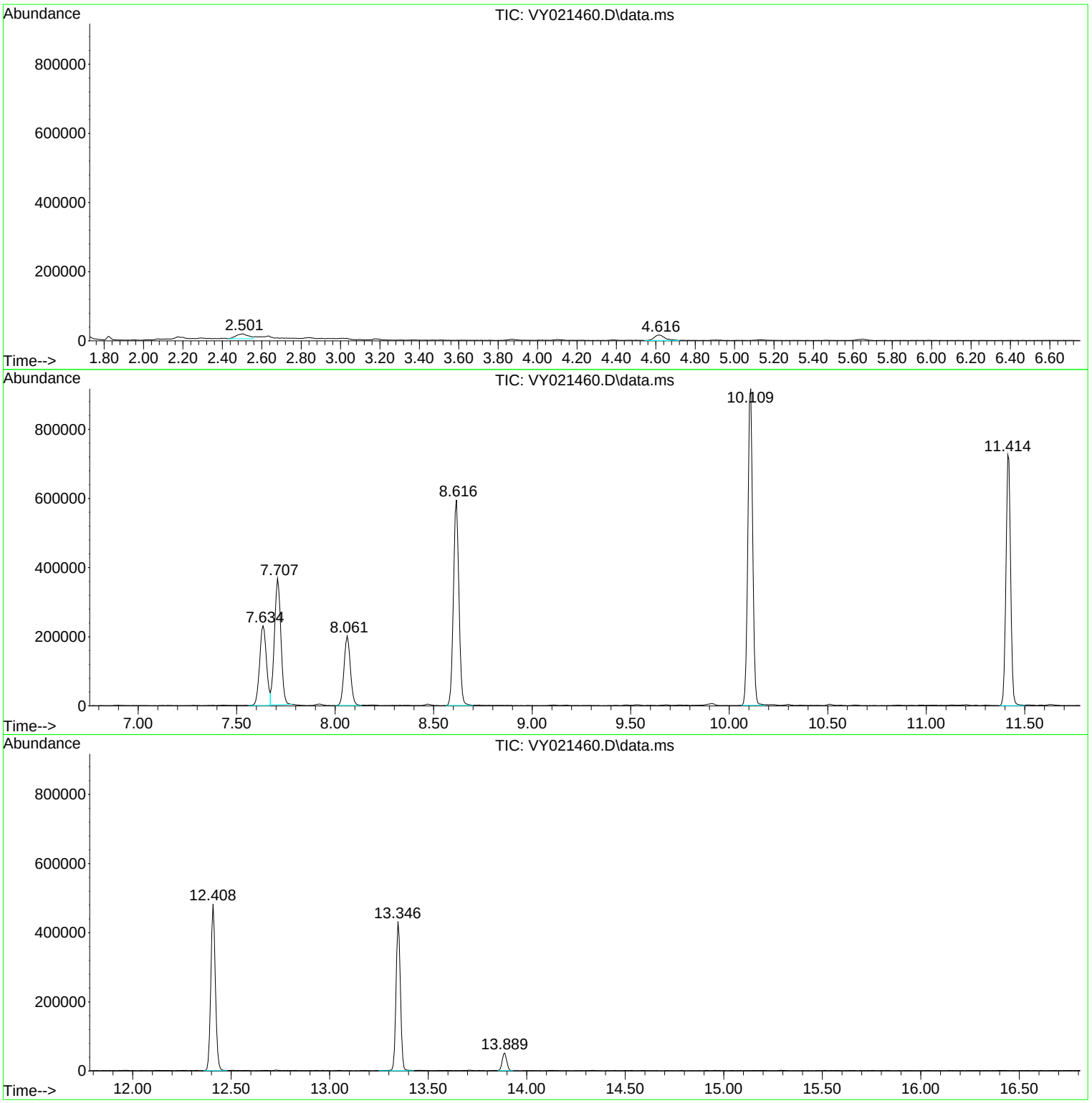
Sample Results: **VY021460.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021460.D
Acq On : 07 Mar 2025 14:52
Operator : SY/MD
Sample : Q1488-09
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

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

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021460.D
Acq On : 07 Mar 2025 14:52
Operator : SY/MD
Sample : Q1488-09
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021460.D
Acq On : 07 Mar 2025 14:52
Operator : SY/MD
Sample : Q1488-09
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

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

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

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

Raw Data: **VY021461.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81.1
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021461.D	1		03/07/25 15:15	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.76	U	0.76	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.90	U	0.90	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.77	U	0.77	5.00	ug/Kg
67-64-1	Acetone	150		6.20	24.8	ug/Kg
75-15-0	Carbon Disulfide	1.30	J	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	4.30	J	3.40	9.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.83	U	0.83	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.62	U	0.62	5.00	ug/Kg
110-82-7	Cyclohexane	0.68	U	0.68	5.00	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	24.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U	0.86	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.66	U	0.66	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	5.00	ug/Kg
71-43-2	Benzene	0.71	U	0.71	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	5.00	ug/Kg
79-01-6	Trichloroethene	0.74	U	0.74	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.65	U	0.65	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.30	U	4.30	24.8	ug/Kg
108-88-3	Toluene	0.66	U	0.66	5.00	ug/Kg

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81.1
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021461.D	1		03/07/25 15:15	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.83	U	0.83	5.00	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	24.8	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.78	U	0.78	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	5.00	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.61	U	0.61	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	9.90	ug/Kg
95-47-6	o-Xylene	0.69	U	0.69	5.00	ug/Kg
100-42-5	Styrene	0.59	U	0.59	5.00	ug/Kg
75-25-2	Bromoform	0.80	U	0.80	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.66	U	0.66	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.73	U	0.73	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.79	U	0.79	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.58	U	0.58	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.77	U	0.77	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	44.3		70 (74) - 130 (123)	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	26.3	*	70 (38) - 130 (136)	53%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	263000	7.707			
540-36-3	1,4-Difluorobenzene	451000	8.616			
3114-55-4	Chlorobenzene-d5	302000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	63200	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY021461.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81.1
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021461.D	1		03/07/25 15:15	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
75-65-0	Tert butyl alcohol	140	J		4.85	ug/Kg
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	21.6	J		13.9	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

Sample Results: **VY021461.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021461.D
Acq On : 07 Mar 2025 15:15
Operator : SY/MD
Sample : Q1488-11
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

Quant Time: Mar 07 22:02:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

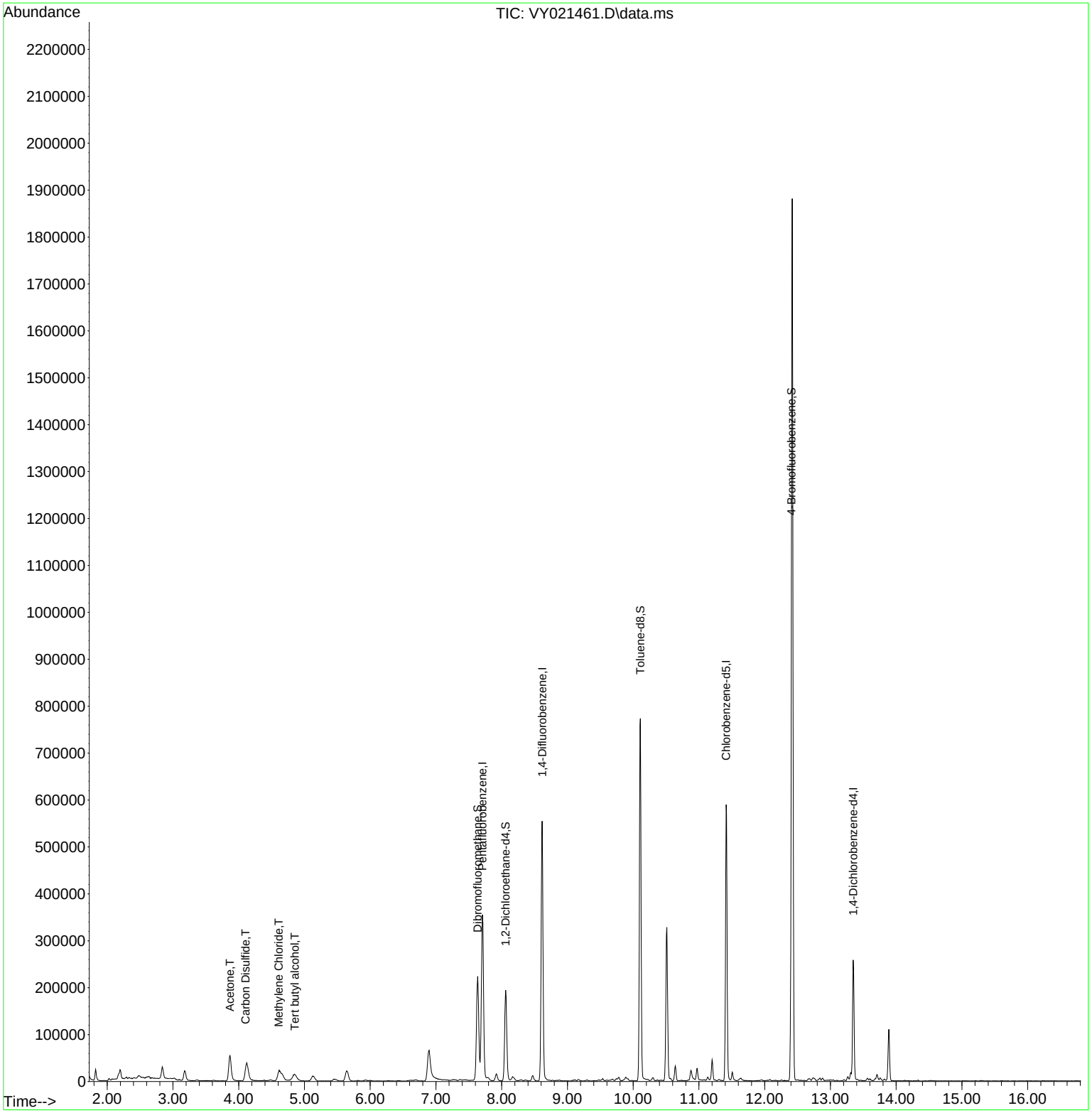
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	263229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	301719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	63186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153458	55.158	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.320%			
35) Dibromofluoromethane	7.634	113	154689	52.219	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.440%			
50) Toluene-d8	10.109	98	496396	44.257	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 88.520%			
62) 4-Bromofluorobenzene	12.408	95	100255	26.277	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 52.560%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.854	59	27141	140.139	ug/l	97
16) Acetone	3.867	43	94589	155.877	ug/l	92
17) Carbon Disulfide	4.104	76	10898	1.286	ug/l	98
20) Methylene Chloride	4.610	84	13740	4.314	ug/l	96

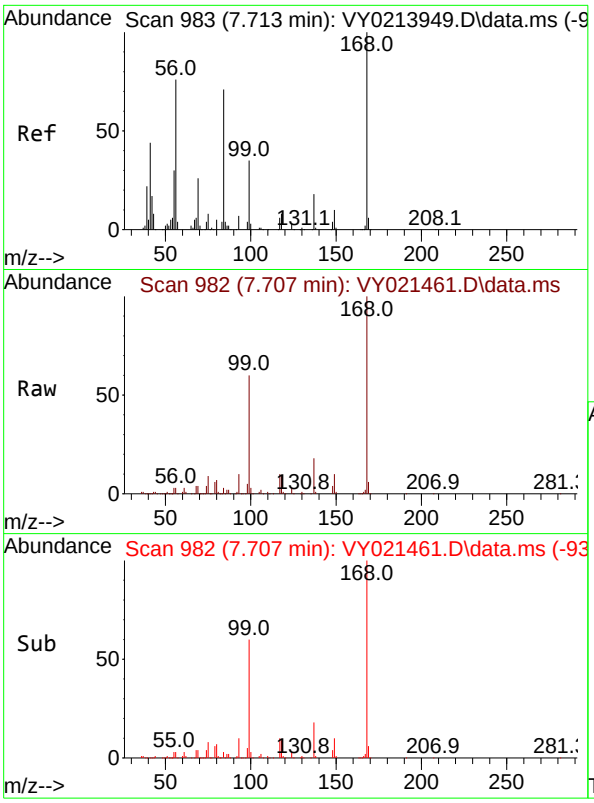
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021461.D
Acq On : 07 Mar 2025 15:15
Operator : SY/MD
Sample : Q1488-11
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

Quant Time: Mar 07 22:02:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



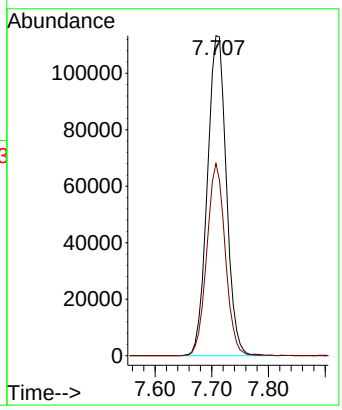


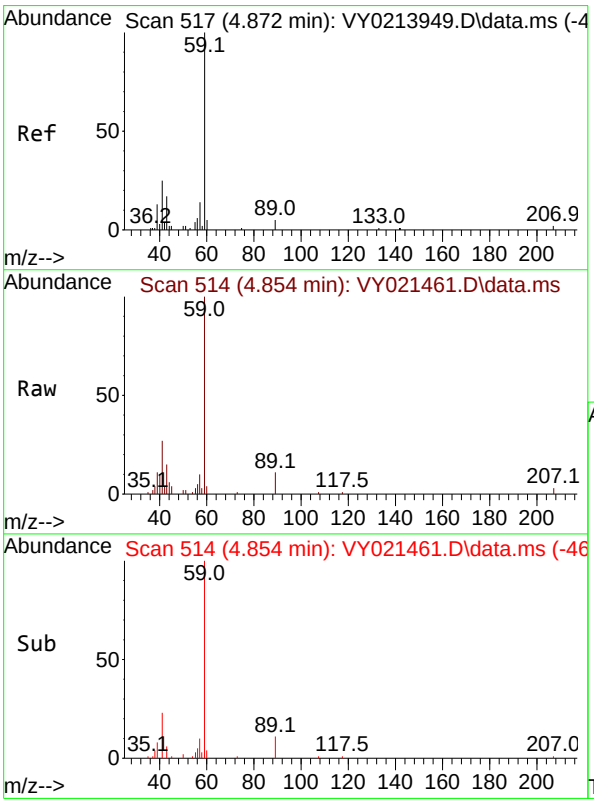
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

Tgt Ion:168 Resp: 263229

Ion	Ratio	Lower	Upper
168	100		
99	60.0	46.0	69.0

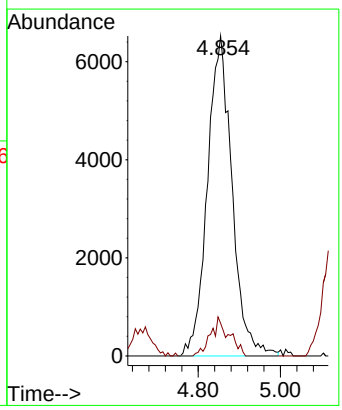


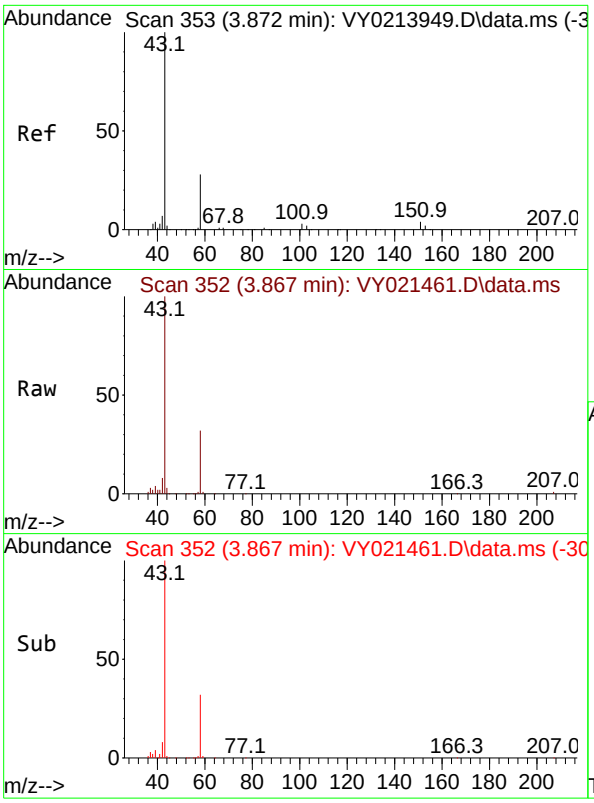


#11
Tert butyl alcohol
Concen: 140.139 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion: 59 Resp: 27141

Ion	Ratio	Lower	Upper
59	100		
57	9.1	8.2	12.4



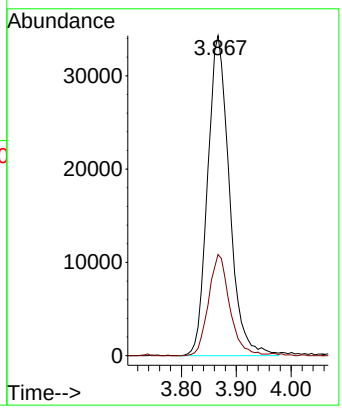


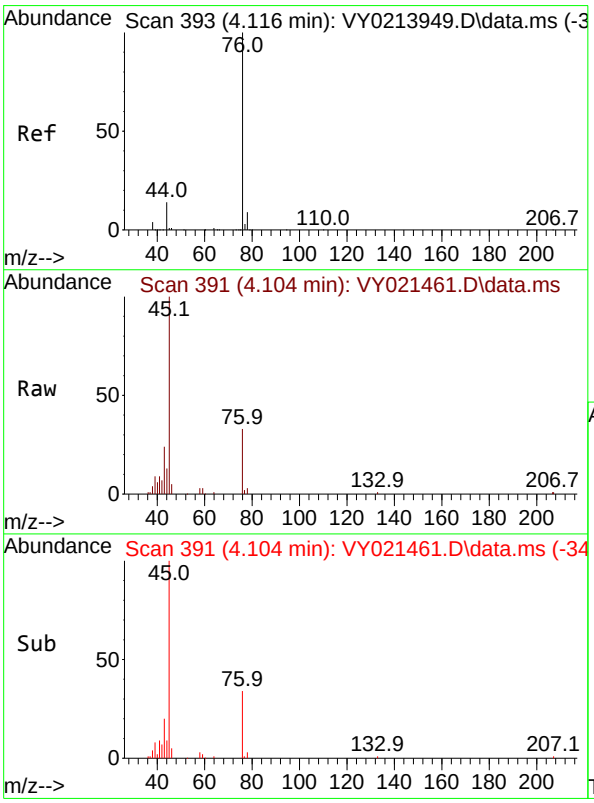
#16
Acetone
Concen: 155.877 ug/l
RT: 3.867 min Scan# 3
Delta R.T. -0.005 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

Tgt Ion: 43 Resp: 94589

Ion	Ratio	Lower	Upper
43	100		
58	31.6	22.1	33.1

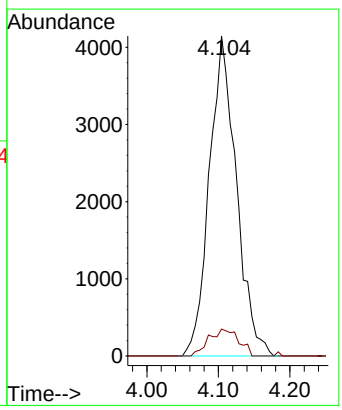


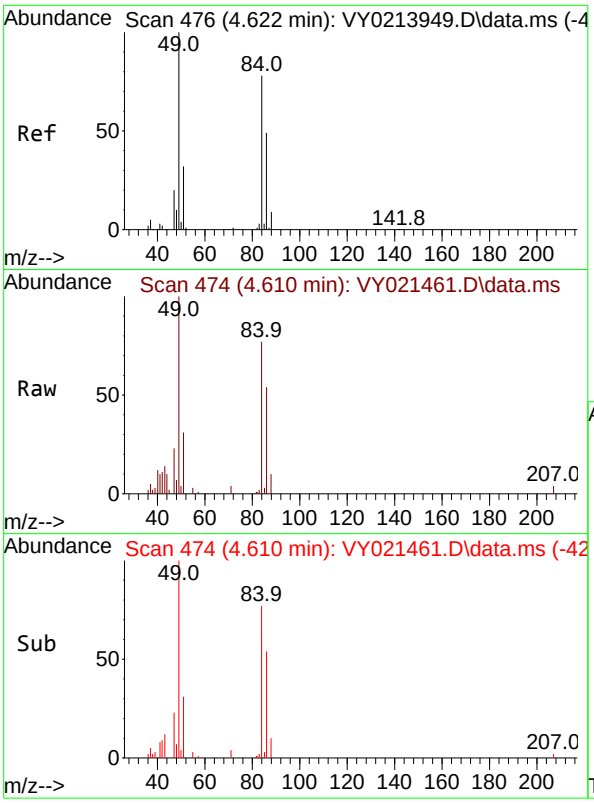


#17
Carbon Disulfide
Concen: 1.286 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.012 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion: 76 Resp: 10898

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.4	11.0



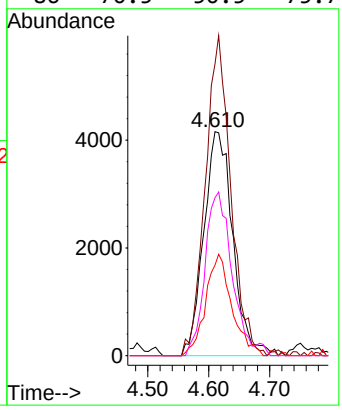


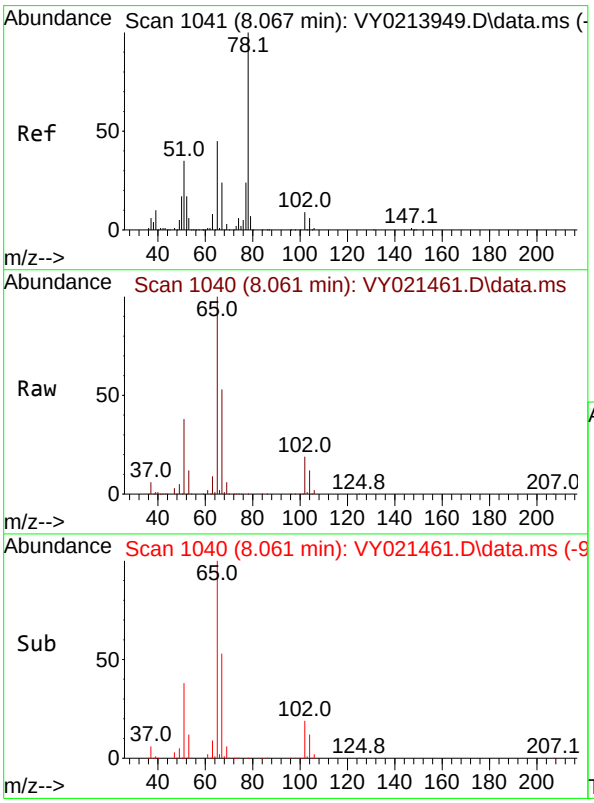
#20
Methylene Chloride
Concen: 4.314 ug/l
RT: 4.610 min Scan# 4
Delta R.T. -0.012 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

Tgt Ion: 84 Resp: 13740

Ion	Ratio	Lower	Upper
84	100		
49	130.2	102.0	153.0
51	40.4	33.0	49.6
86	70.5	50.5	75.7

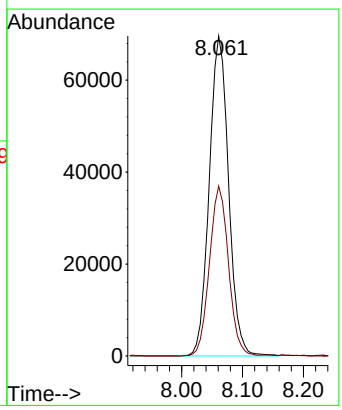


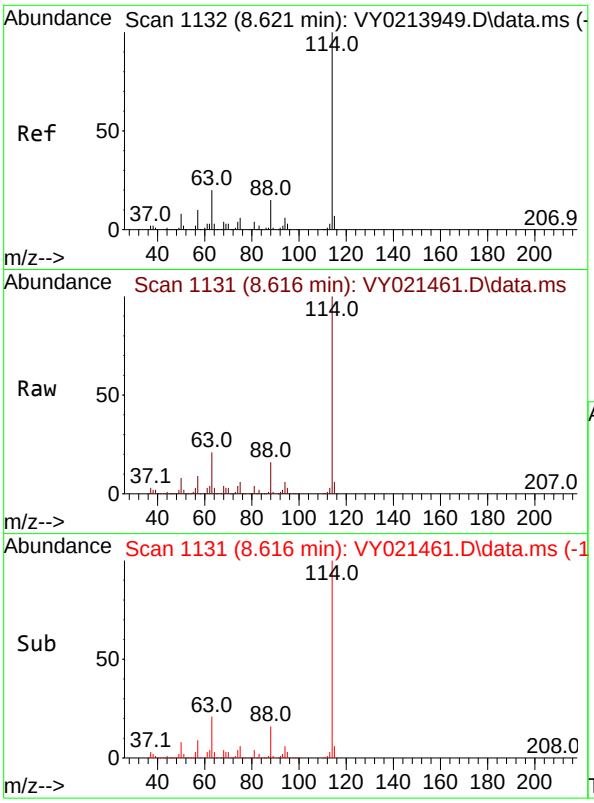


#33
1,2-Dichloroethane-d4
Concen: 55.158 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion: 65 Resp: 153458

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.8



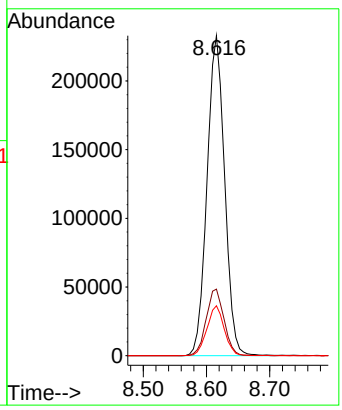


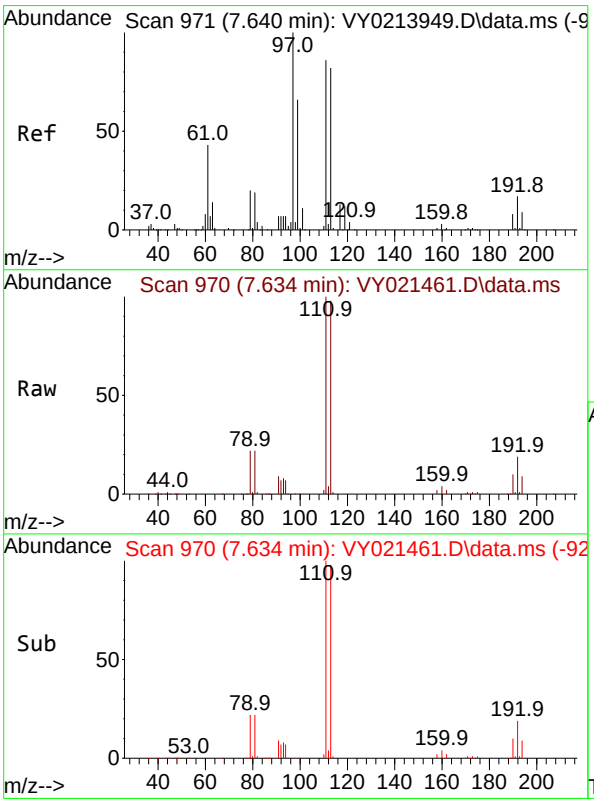
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

Tgt Ion:114 Resp: 450669

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.6	0.0	30.8

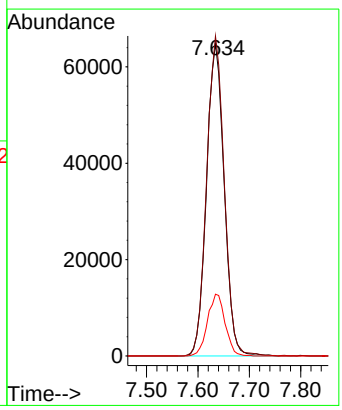


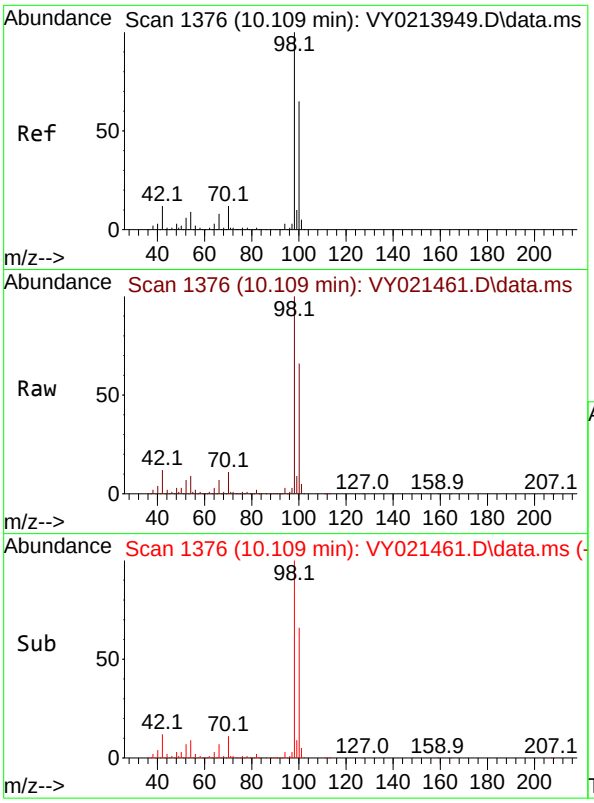


#35
Dibromofluoromethane
Concen: 52.219 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion:113 Resp: 154689

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	19.7	15.9	23.9



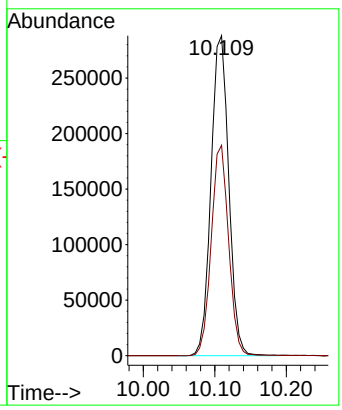


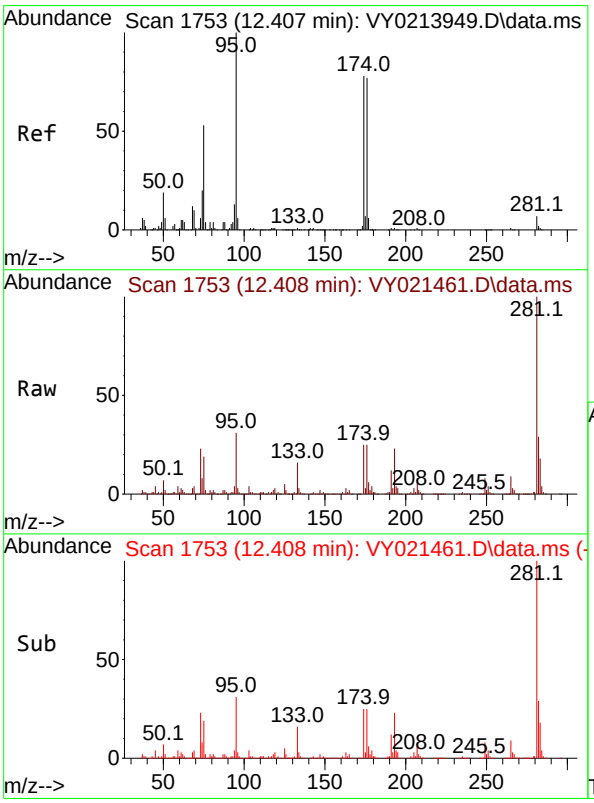
#50
Toluene-d8
Concen: 44.257 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

Tgt Ion: 98 Resp: 496396

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1

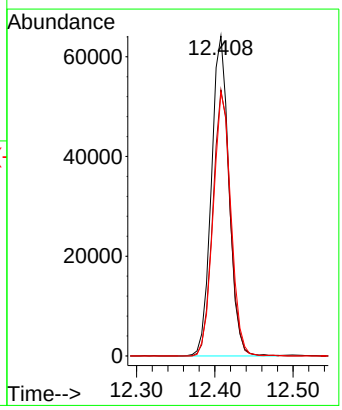


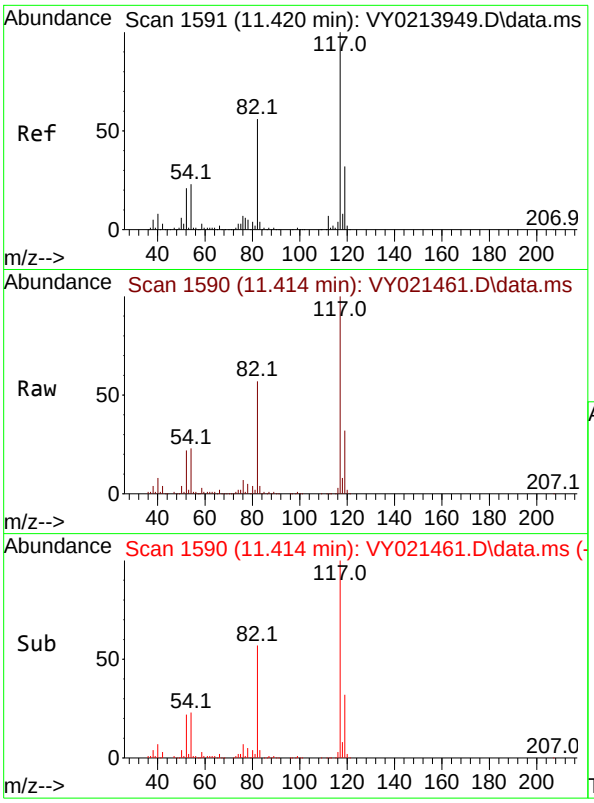


#62
4-Bromofluorobenzene
Concen: 26.277 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion: 95 Resp: 100255

Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	165.0
176	83.4	0.0	160.0



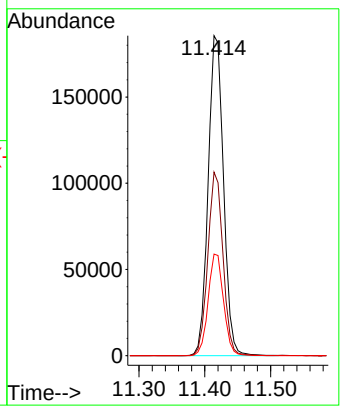


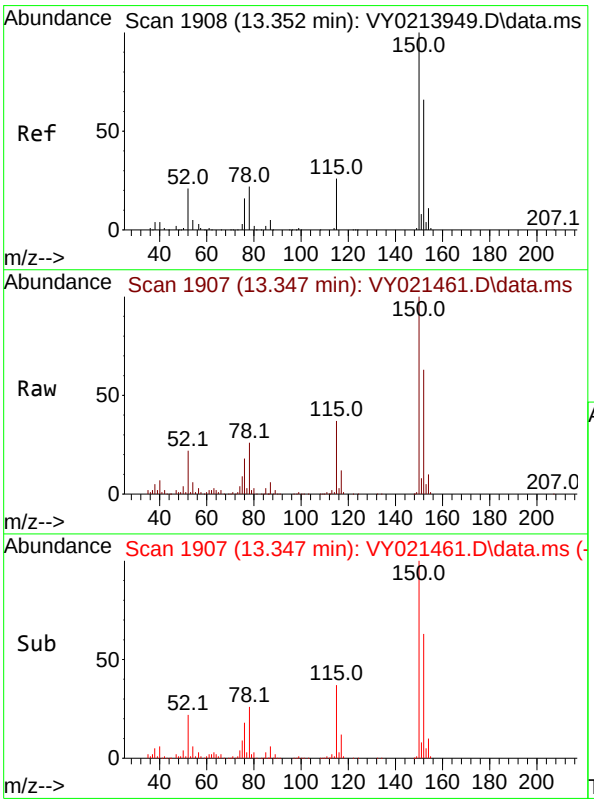
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

Tgt Ion:117 Resp: 301719

Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	67.0
119	31.8	25.4	38.0

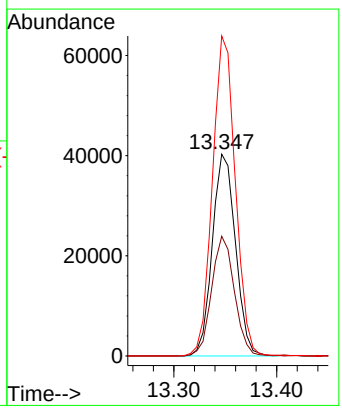




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion:152 Resp: 63186

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.0	87.0
150	156.6	0.0	347.2



Sample Results: **VY021461.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021461.D
Acq On : 07 Mar 2025 15:15
Operator : SY/MD
Sample : Q1488-11
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: VY021461.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	12	17	30	rVB2	23838	39174	1.25%	0.366%
2	2.196	69	78	85	rBV2	19768	47975	1.53%	0.448%
3	2.836	177	183	190	rBV2	24136	47944	1.53%	0.448%
4	3.178	233	239	250	rVB2	20630	49229	1.57%	0.460%
5	3.867	342	352	364	rBV	53746	147687	4.71%	1.379%
6	4.123	382	394	407	rBV2	38467	132327	4.22%	1.235%
7	4.616	462	475	493	rBV3	22645	110179	3.51%	1.029%
8	4.848	501	513	530	rVB4	14207	65611	2.09%	0.613%
9	5.641	633	643	660	rVB2	21790	72505	2.31%	0.677%
10	6.896	837	849	870	rBV	65548	251631	8.02%	2.349%
11	7.634	959	970	976	rBV	221432	535628	17.07%	5.000%
12	7.707	976	982	992	rVB	348133	794802	25.33%	7.420%
13	7.921	1009	1017	1024	rBV2	14689	33130	1.06%	0.309%
14	8.061	1030	1040	1050	rBV	193374	433763	13.82%	4.049%
15	8.616	1121	1131	1145	rBV	553827	1092057	34.80%	10.195%
16	10.109	1365	1376	1389	rBV	772559	1353527	43.13%	12.636%
17	10.512	1434	1442	1449	rBV	326588	595014	18.96%	5.555%
18	10.640	1457	1463	1471	rVB3	31842	52733	1.68%	0.492%
19	10.877	1497	1502	1513	rBV	20745	43236	1.38%	0.404%
20	10.975	1513	1518	1524	rVB2	24130	38960	1.24%	0.364%
21	11.201	1549	1555	1561	rVB	42886	64814	2.07%	0.605%
22	11.414	1582	1590	1601	rBV	588643	962620	30.67%	8.986%
23	11.505	1601	1605	1616	rVB	18393	31574	1.01%	0.295%
24	12.420	1745	1755	1765	rBV	1880270	3138277	100.00%	29.297%
25	13.347	1902	1907	1915	rVB	254945	402067	12.81%	3.753%
26	13.889	1989	1996	2003	rVB	109601	175526	5.59%	1.639%

Sum of corrected areas: 10711990

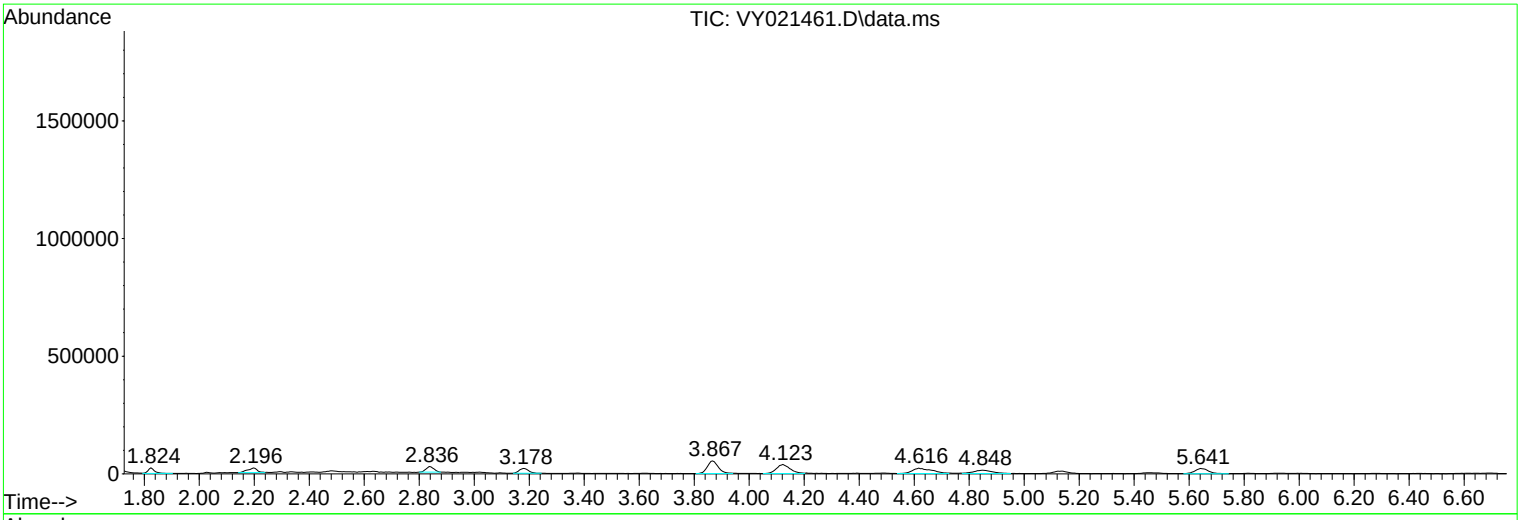
Sample Results: **VY021461.D**

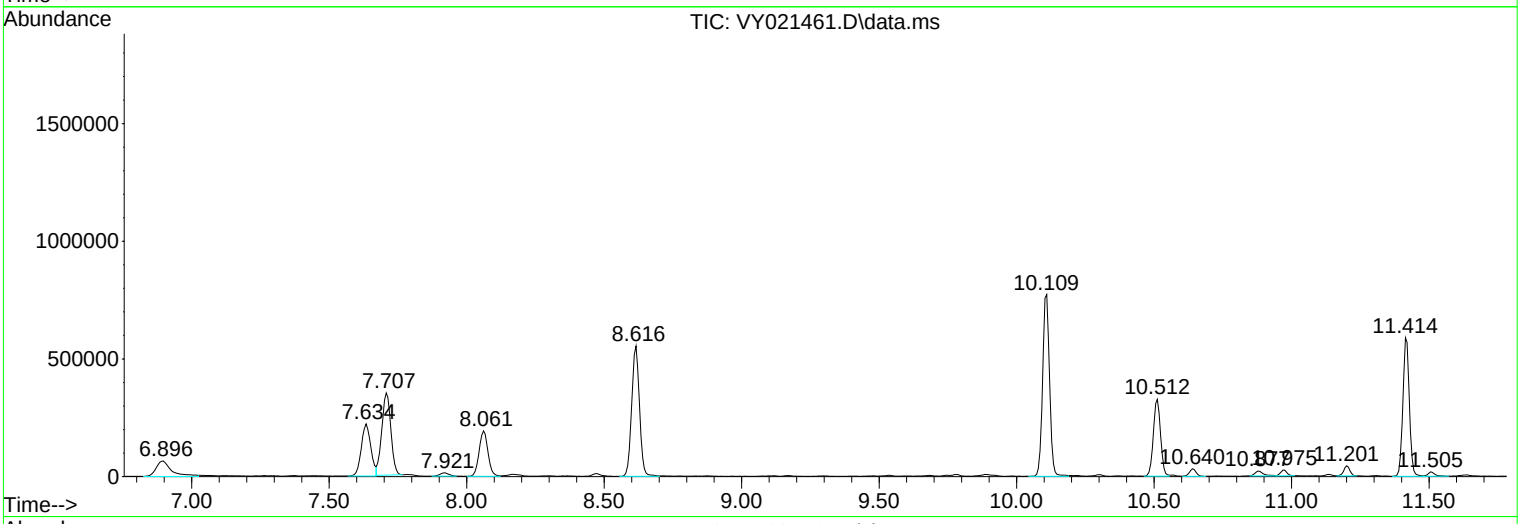
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021461.D
Acq On : 07 Mar 2025 15:15
Operator : SY/MD
Sample : Q1488-11
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

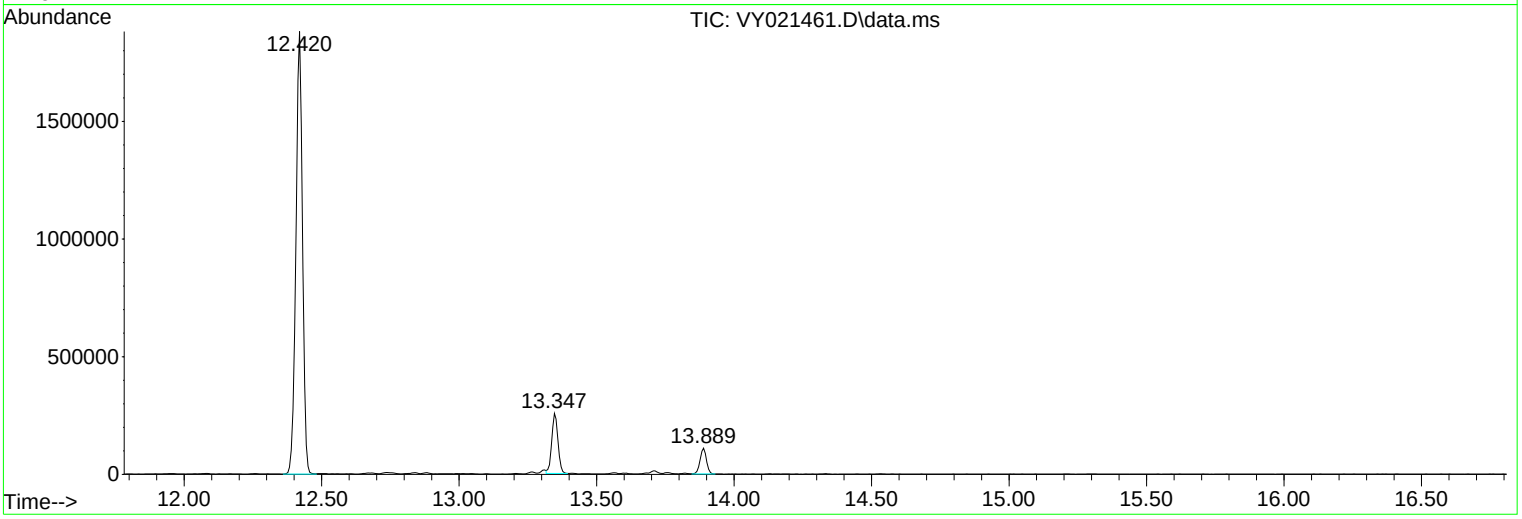
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

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

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021461.D
Acq On : 07 Mar 2025 15:15
Operator : SY/MD
Sample : Q1488-11
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

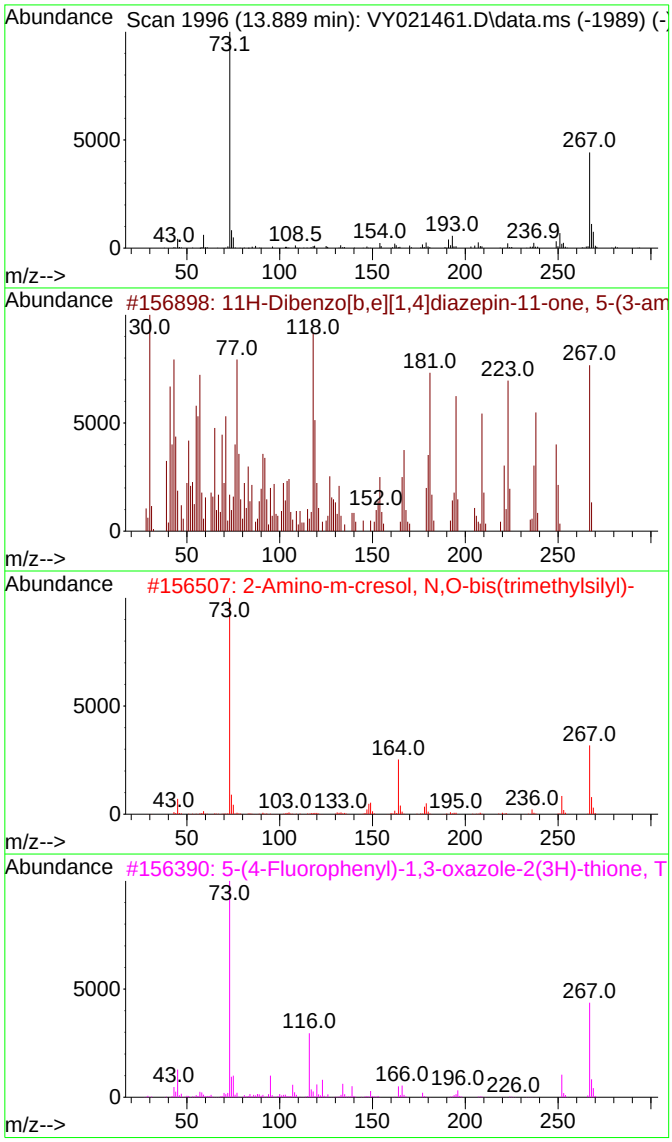
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

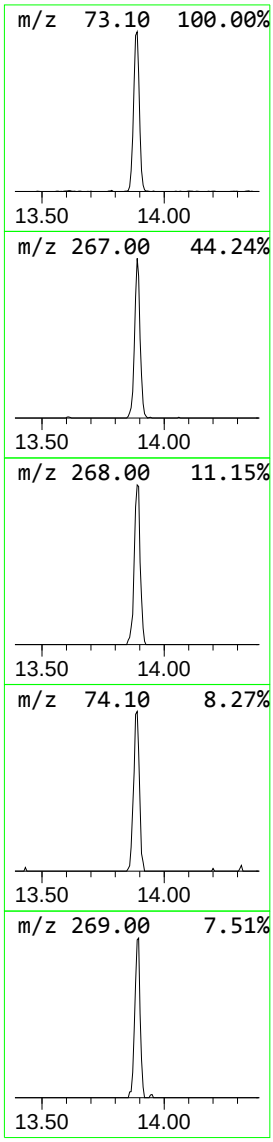
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	21.83 ug/l	175526	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	95
2	2-Amino-m-cresol, N,O-bis(trimet...	267	C13H25NOSi2	1000449-77-1	59
3	5-(4-Fluorophenyl)-1,3-oxazole-2...	267	C12H14FNOSSi	1000497-07-6	59
4	Salicylic acid, 2TMS derivative	282	C13H22O3Si2	003789-85-3	56
5	Acridone, TMS derivative	267	C16H17NOSi	1000478-16-0	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021461.D
Acq On : 07 Mar 2025 15:15
Operator : SY/MD
Sample : Q1488-11
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
11H-Dibenzo[b,e...	13.889	21.8	ug/l	175526	4	13.347	402067	50.0

Raw Data: **VX045150.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045150.D	1		03/05/25 18:15	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	9.00		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	2.70		0.18	1.00	ug/L

Raw Data: **VX045150.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045150.D	1		03/05/25 18:15	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		70 (77) - 130 (121)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	72600	5.544			
540-36-3	1,4-Difluorobenzene	144000	6.757			
3114-55-4	Chlorobenzene-d5	133000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	57700	12.018			

Raw Data: **VX045150.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045150.D	1		03/05/25 18:15	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VX045150.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045150.D
Acq On : 05 Mar 2025 18:15
Operator : JC/MD
Sample : Q1488-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

Quant Time: Mar 06 01:10:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

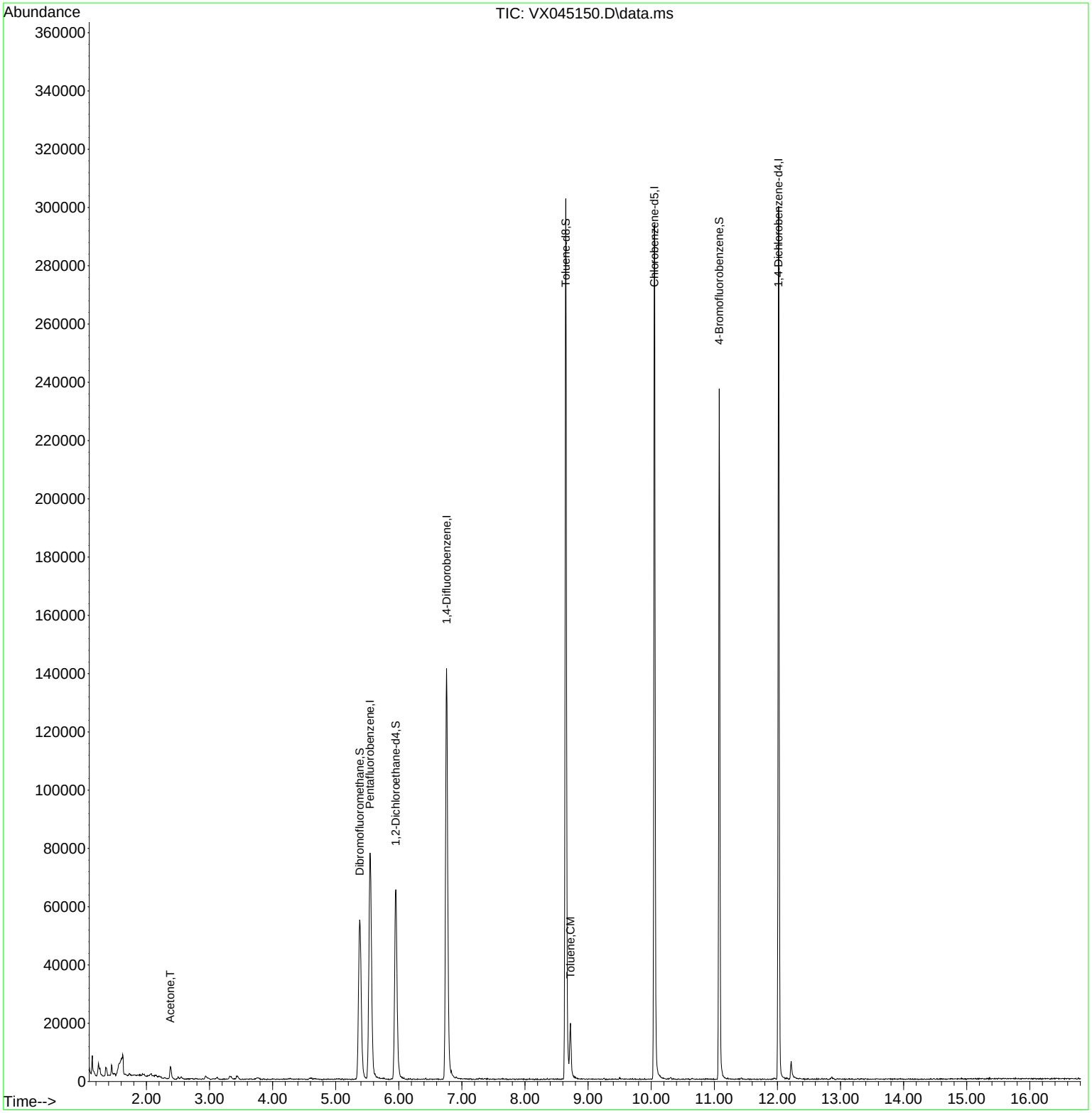
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	72598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61188	52.987	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.980%			
35) Dibromofluoromethane	5.379	113	49182	51.177	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.360%			
50) Toluene-d8	8.647	98	177583	50.971	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.940%			
62) 4-Bromofluorobenzene	11.079	95	62689	54.300	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.600%			
Target Compounds						Qvalue
16) Acetone	2.380	43	4804	8.966	ug/l	97
52) Toluene	8.720	92	6706	2.746	ug/l	99

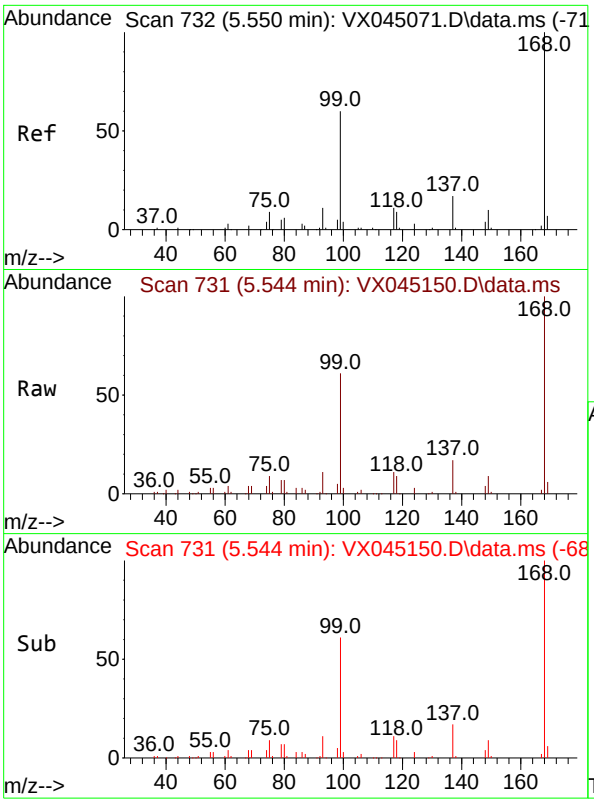
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045150.D
Acq On : 05 Mar 2025 18:15
Operator : JC/MD
Sample : Q1488-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

Quant Time: Mar 06 01:10:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



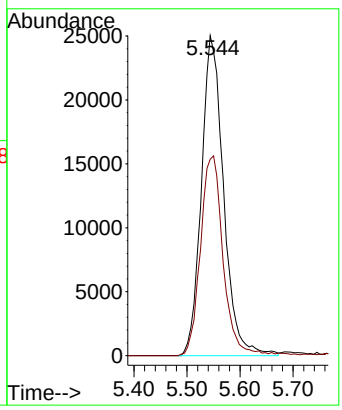


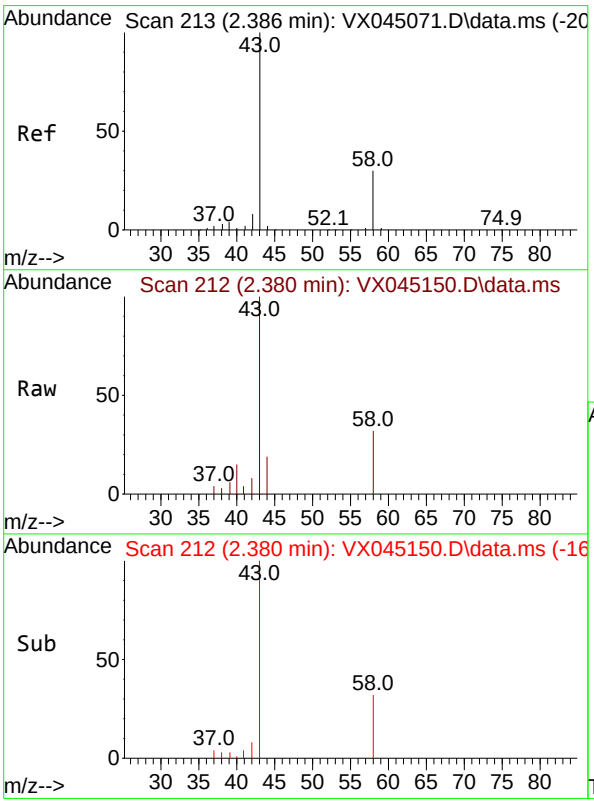
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

Tgt Ion:168 Resp: 72598

Ion	Ratio	Lower	Upper
168	100		
99	61.3	48.2	72.4

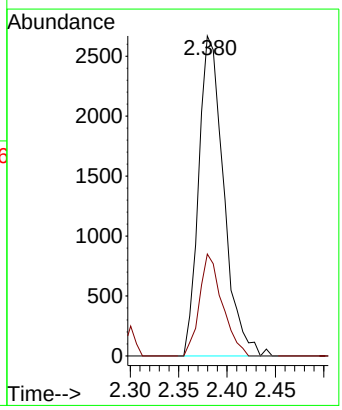


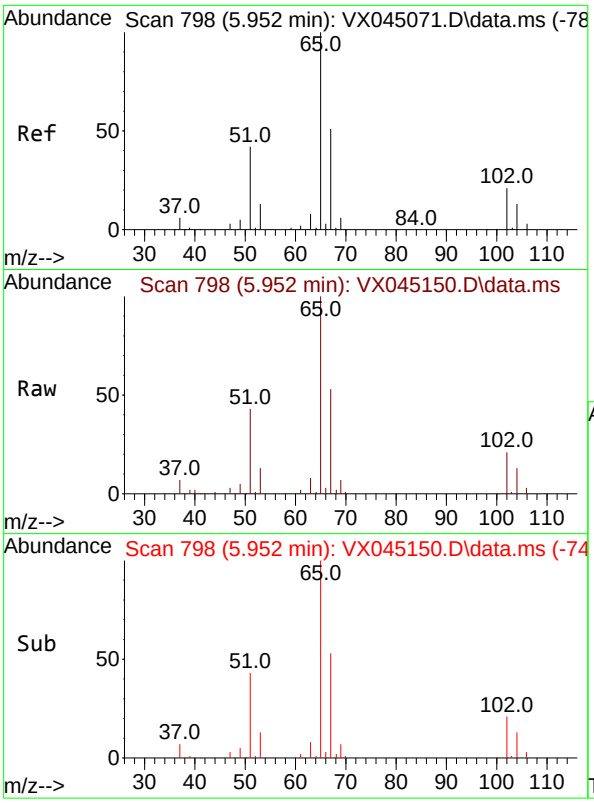


#16
Acetone
Concen: 8.966 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion: 43 Resp: 4804

Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.2	36.4



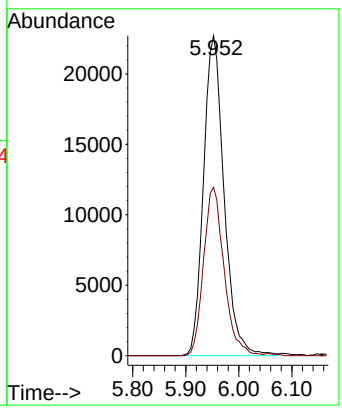


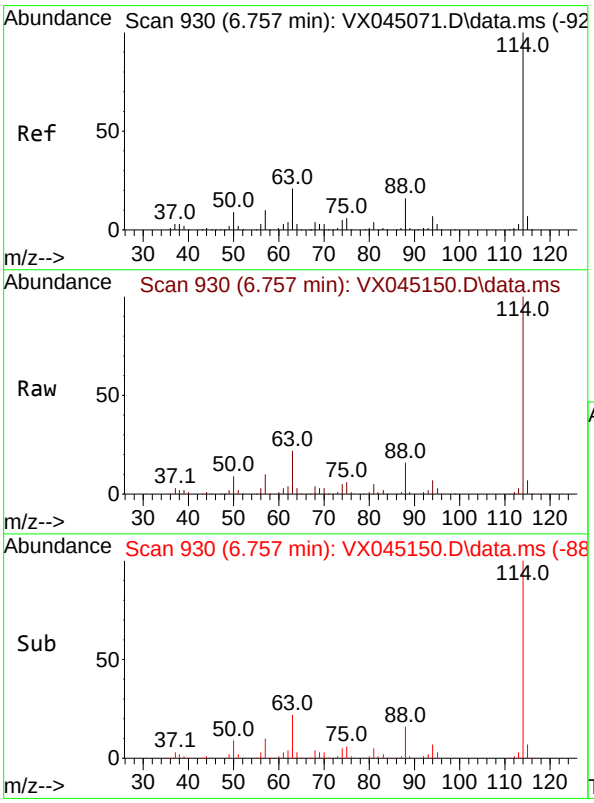
#33
1,2-Dichloroethane-d4
Concen: 52.987 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

Tgt Ion: 65 Resp: 61188

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2

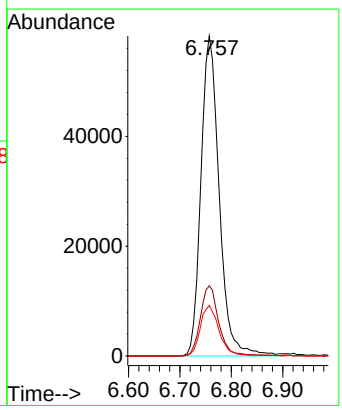


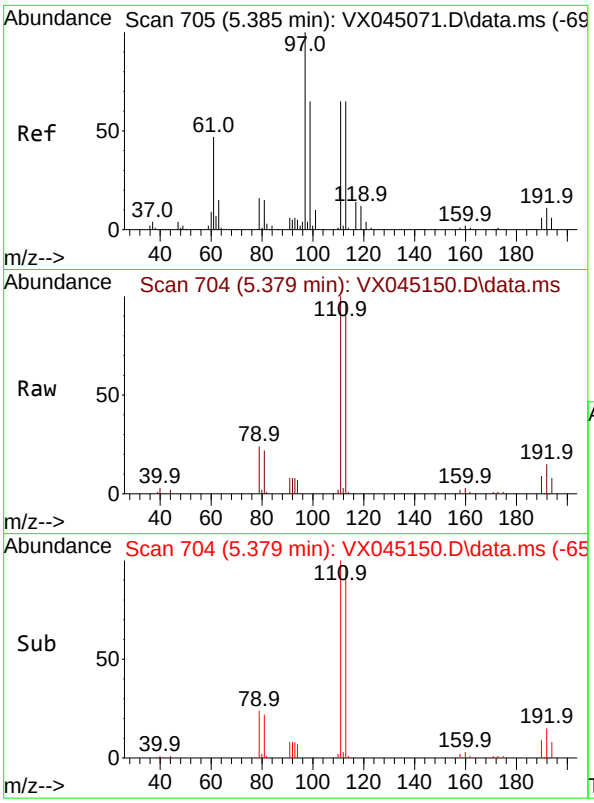


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion:114 Resp: 143720

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.8
88	15.8	0.0	32.8



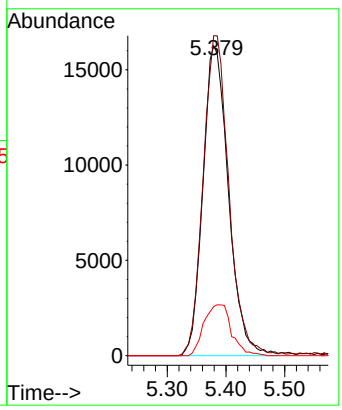


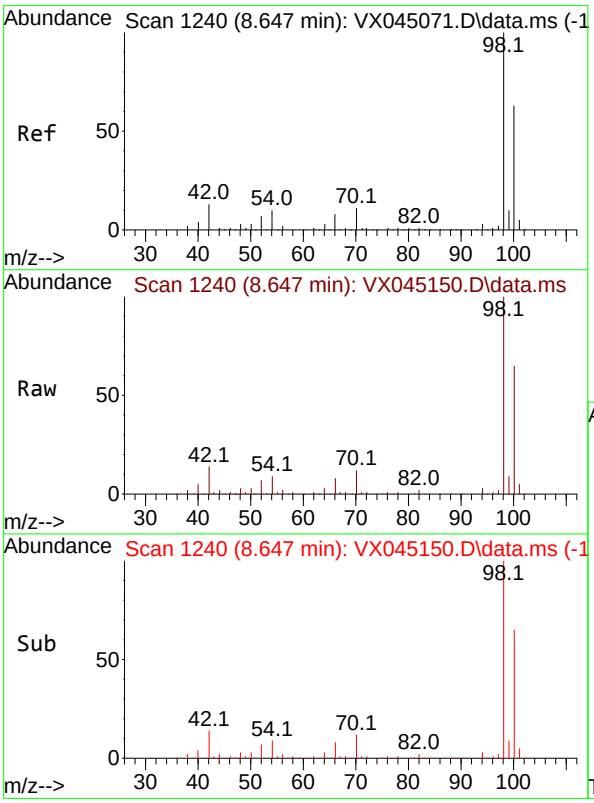
#35
Dibromofluoromethane
Concen: 51.177 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

Tgt Ion:113 Resp: 49182

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.8	122.6
192	17.7	14.3	21.5

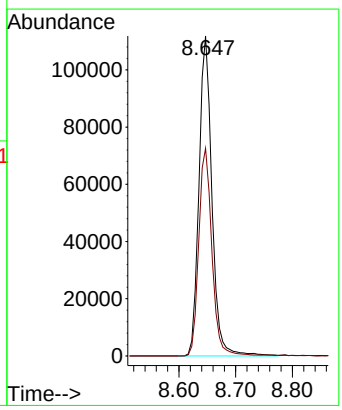


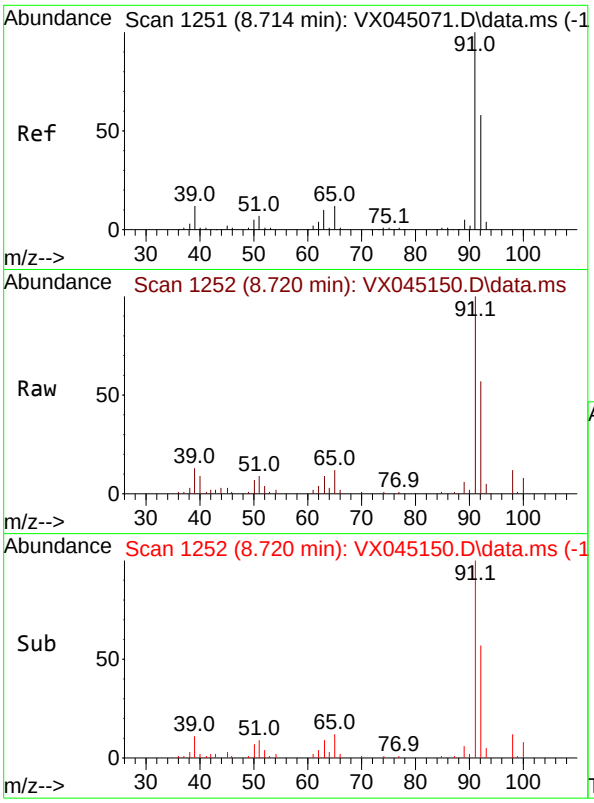


#50
Toluene-d8
Concen: 50.971 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion: 98 Resp: 177583

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.0	78.0



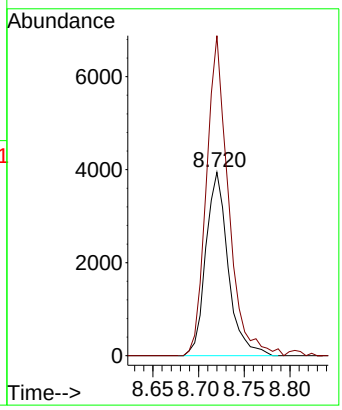


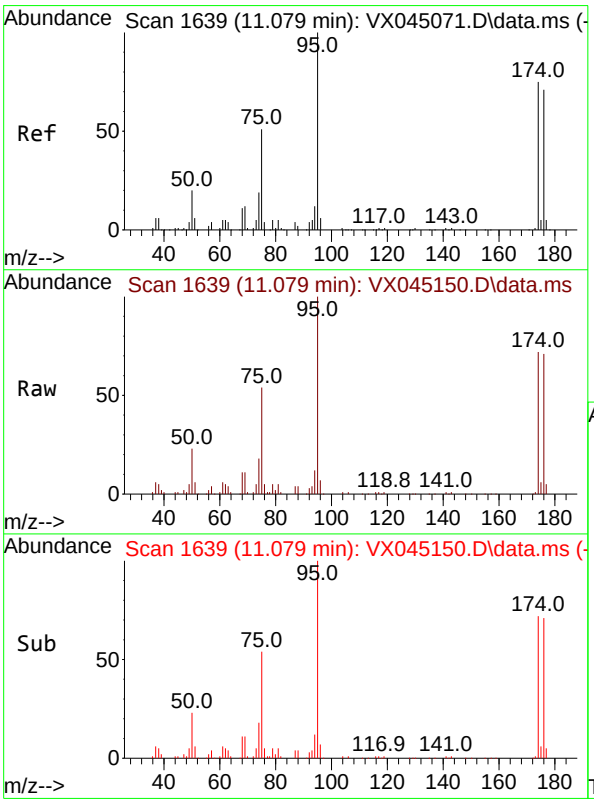
#52
Toluene
Concen: 2.746 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

Tgt Ion: 92 Resp: 6706

Ion	Ratio	Lower	Upper
92	100		
91	171.8	138.9	208.3

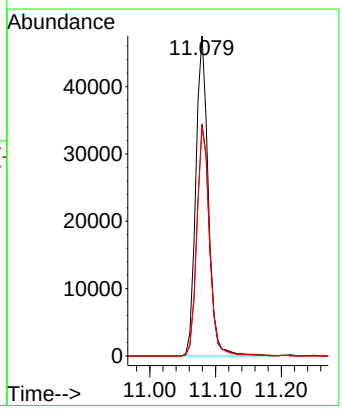


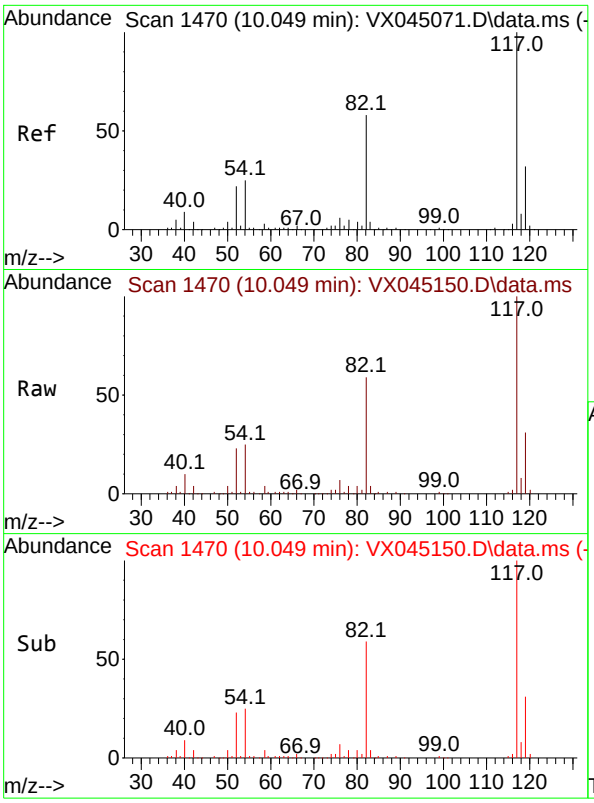


#62
4-Bromofluorobenzene
Concen: 54.300 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion: 95 Resp: 62689

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	148.2
176	71.9	0.0	141.4



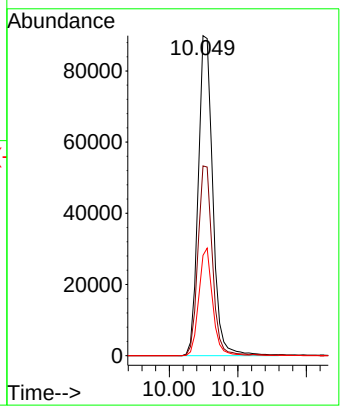


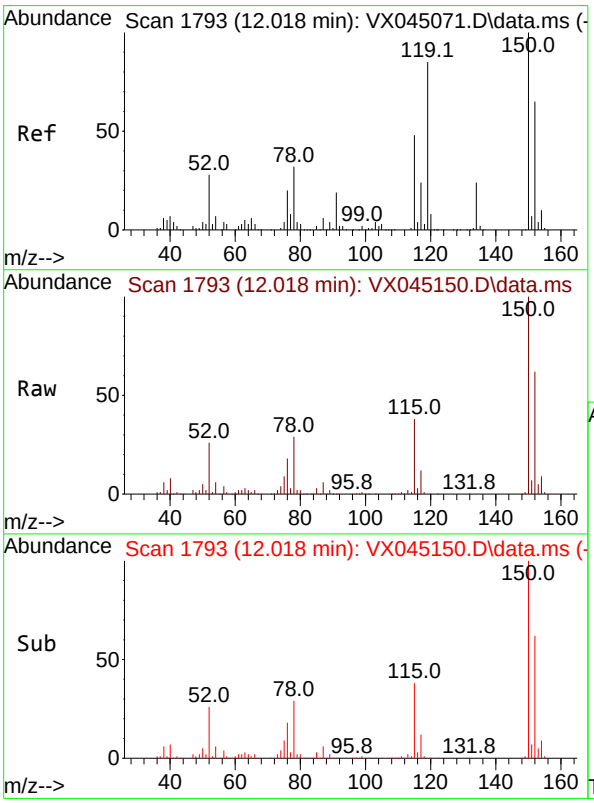
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

Tgt Ion:117 Resp: 132869

Ion	Ratio	Lower	Upper
117	100		
82	59.3	46.3	69.5
119	31.4	25.7	38.5

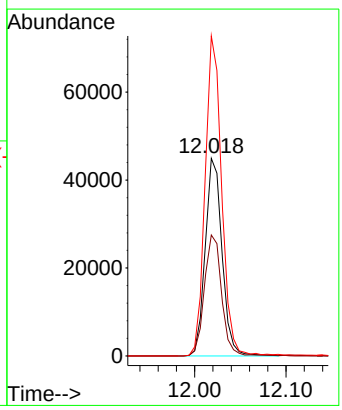




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion:152 Resp: 57679

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	159.6	0.0	349.0



Sample Results: **VX045150.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045150.D
Acq On : 05 Mar 2025 18:15
Operator : JC/MD
Sample : Q1488-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

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_X\Method\82X022825W.M
Title : SW846 8260

Signal : TIC: VX045150.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	18	rVB2	6871	8575	1.79%	0.330%
2	1.240	20	25	28	rBV2	4339	6789	1.41%	0.262%
3	1.624	70	88	92	rBV5	7272	29090	6.06%	1.121%
4	2.380	207	212	222	rVB	4273	7927	1.65%	0.305%
5	5.379	691	704	720	rBV2	54770	165437	34.46%	6.374%
6	5.544	722	731	743	rBV2	77360	222083	46.25%	8.557%
7	5.952	789	798	811	rBV	65007	173518	36.14%	6.685%
8	6.757	920	930	941	rBV	141075	341012	71.02%	13.139%
9	8.647	1234	1240	1248	rBV	302152	480143	100.00%	18.499%
10	8.720	1248	1252	1262	rVB	18758	32839	6.84%	1.265%
11	10.049	1465	1470	1487	rBV	293056	429267	89.40%	16.539%
12	11.079	1634	1639	1658	rBV	237058	312337	65.05%	12.034%
13	12.018	1788	1793	1808	rBV	299691	376311	78.37%	14.499%
14	12.219	1822	1826	1833	rBV2	6089	10144	2.11%	0.391%

Sum of corrected areas: 2595472

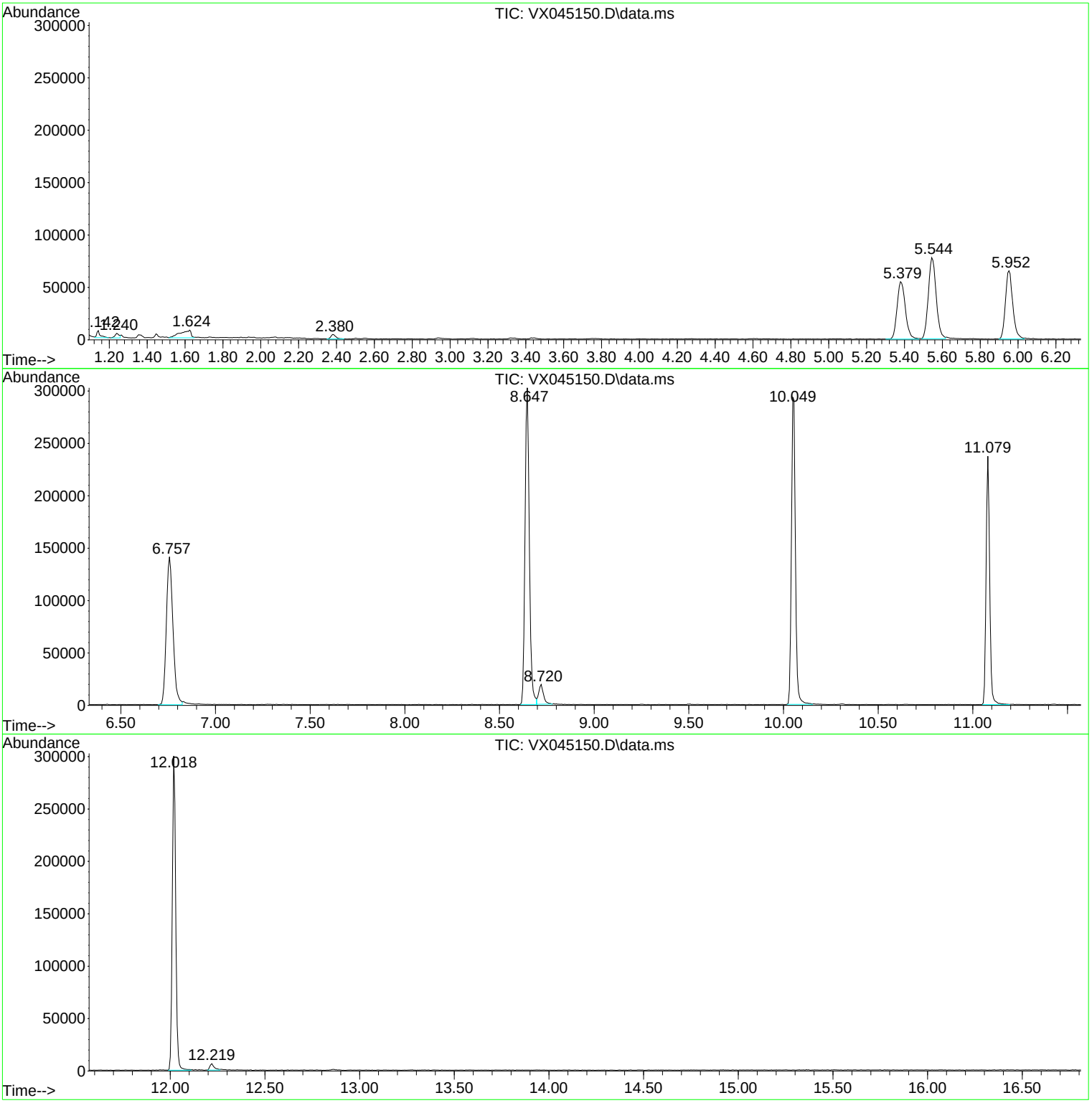
Sample Results: **VX045150.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045150.D
Acq On : 05 Mar 2025 18:15
Operator : JC/MD
Sample : Q1488-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX045150.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045150.D
Acq On : 05 Mar 2025 18:15
Operator : JC/MD
Sample : Q1488-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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_X\Data\VX030525\
Data File : VX045150.D
Acq On : 05 Mar 2025 18:15
Operator : JC/MD
Sample : Q1488-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

Raw Data: **VX045151.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045151.D	1		03/05/25 18:38	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	830	E	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.39	J	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.31	J	0.18	1.00	ug/L

Raw Data: **VX045151.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045151.D	1		03/05/25 18:38	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	79400	5.543			
540-36-3	1,4-Difluorobenzene	156000	6.757			
3114-55-4	Chlorobenzene-d5	142000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	59800	12.024			

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045151.D	1		03/05/25 18:38	VX030525

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_X\Data\VX030525\
Data File : VX045151.D
Acq On : 05 Mar 2025 18:38
Operator : JC/MD
Sample : Q1488-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Quant Time: Mar 06 01:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

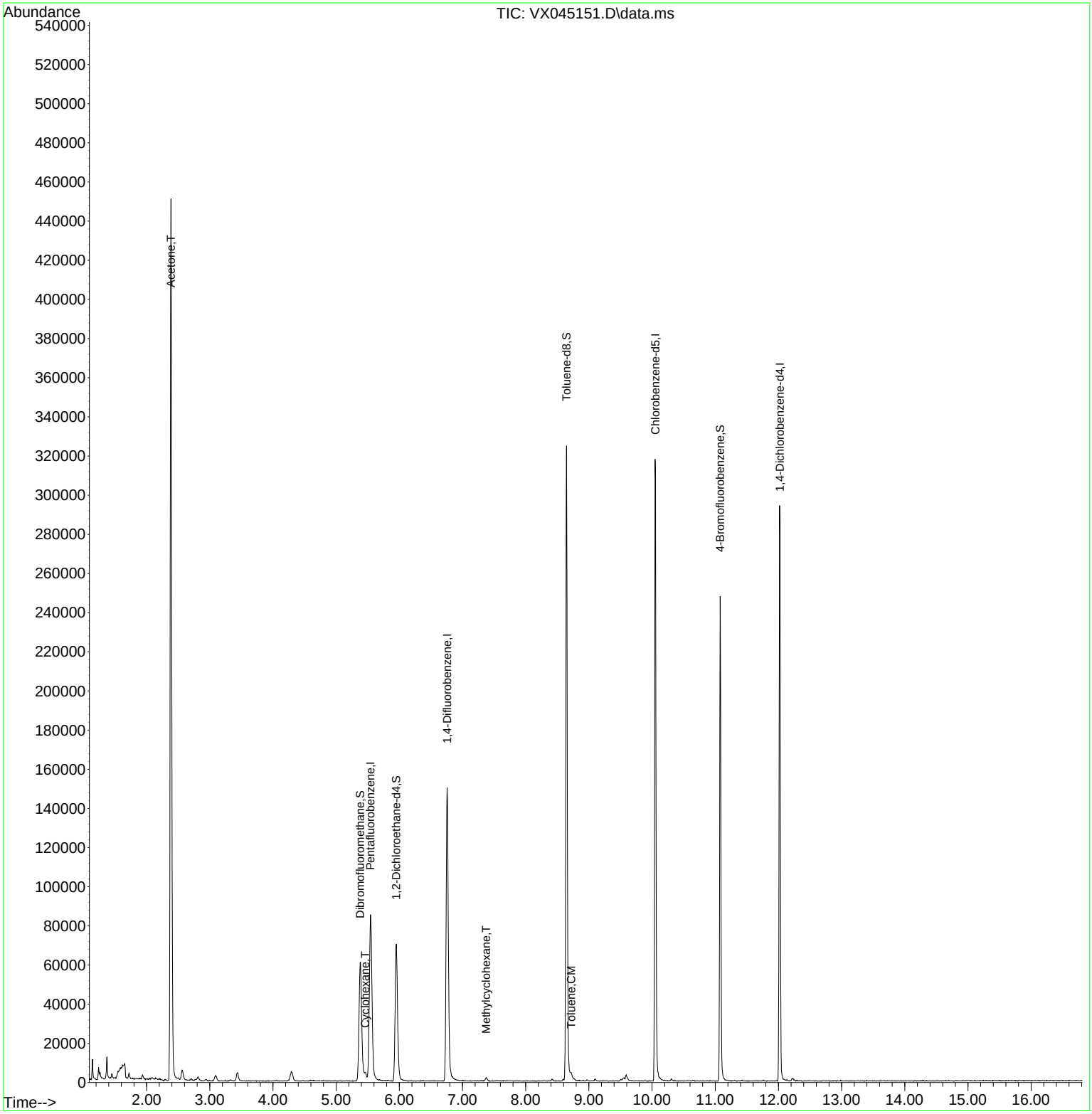
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	79416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	156296	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65462	51.821	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.640%			
35) Dibromofluoromethane	5.379	113	53404	51.099	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.200%			
50) Toluene-d8	8.646	98	193262	51.008	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.020%			
62) 4-Bromofluorobenzene	11.079	95	64393	51.288	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.580%			
Target Compounds						Qvalue
16) Acetone	2.385	43	485114	827.700	ug/l	99
31) Cyclohexane	5.458	56	2244	1.306	ug/l	98
39) Methylcyclohexane	7.372	83	675	0.393	ug/l #	85
52) Toluene	8.720	92	822	0.310	ug/l #	63

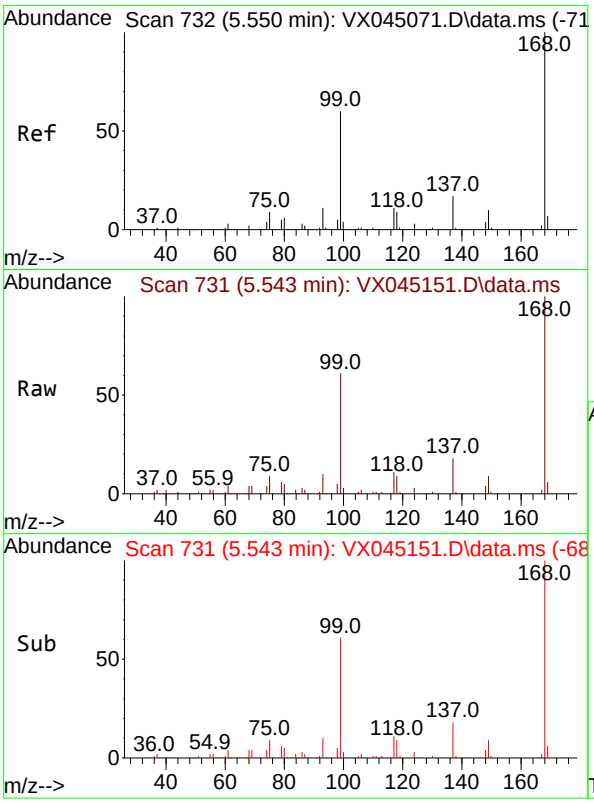
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045151.D
Acq On : 05 Mar 2025 18:38
Operator : JC/MD
Sample : Q1488-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Quant Time: Mar 06 01:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



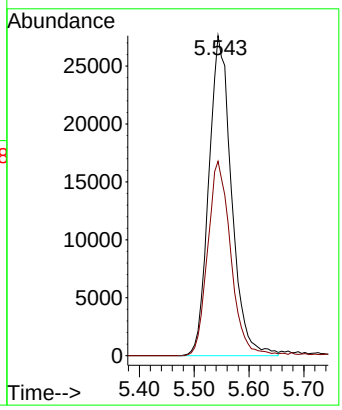


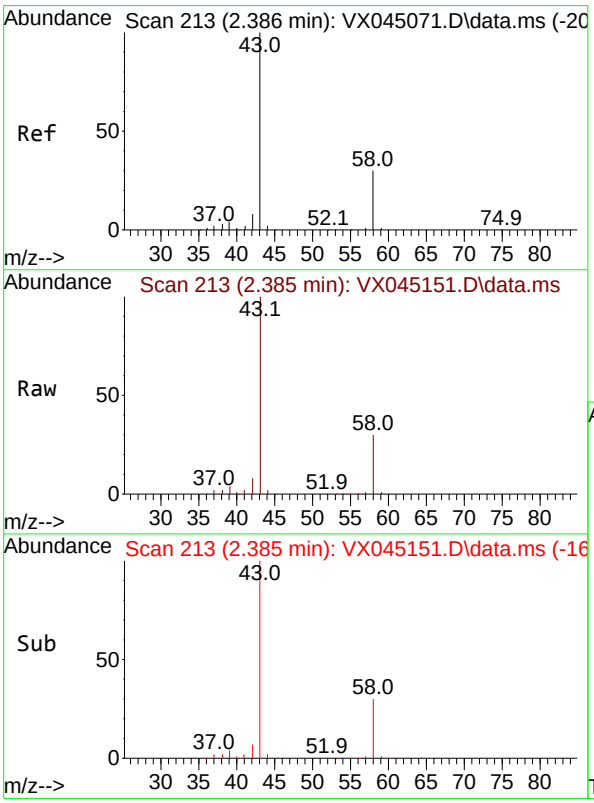
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Tgt Ion:168 Resp: 79416

Ion	Ratio	Lower	Upper
168	100		
99	60.8	48.2	72.4

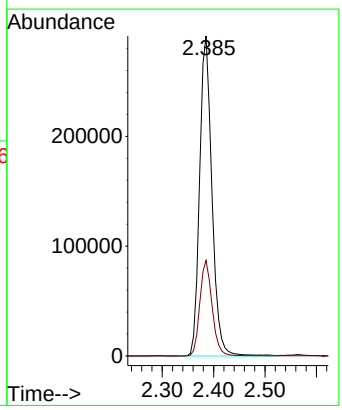


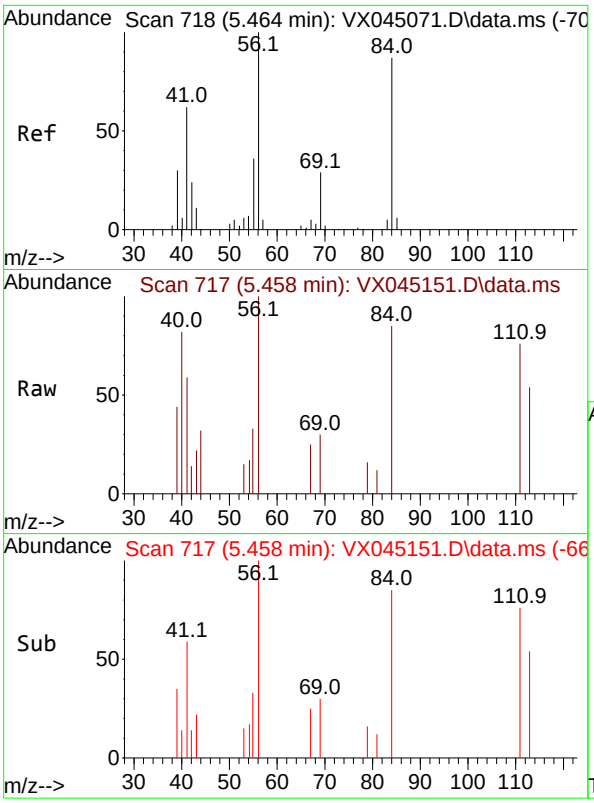


#16
Acetone
Concen: 827.700 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion: 43 Resp: 485114

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.2	36.4



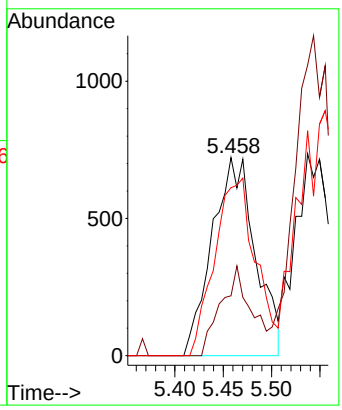


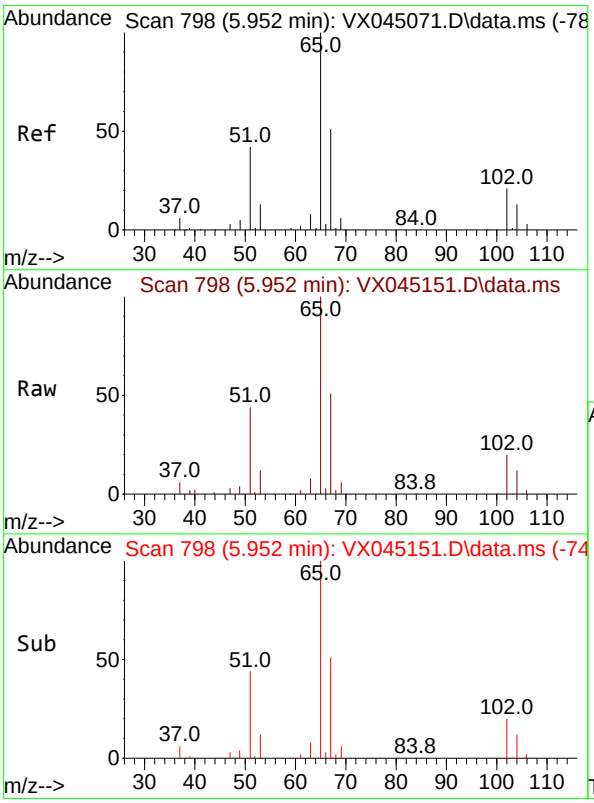
#31
Cyclohexane
Concen: 1.306 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Tgt Ion: 56 Resp: 2244

Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.4	35.2
84	84.8	69.4	104.2

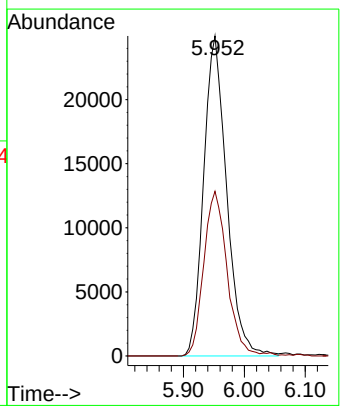


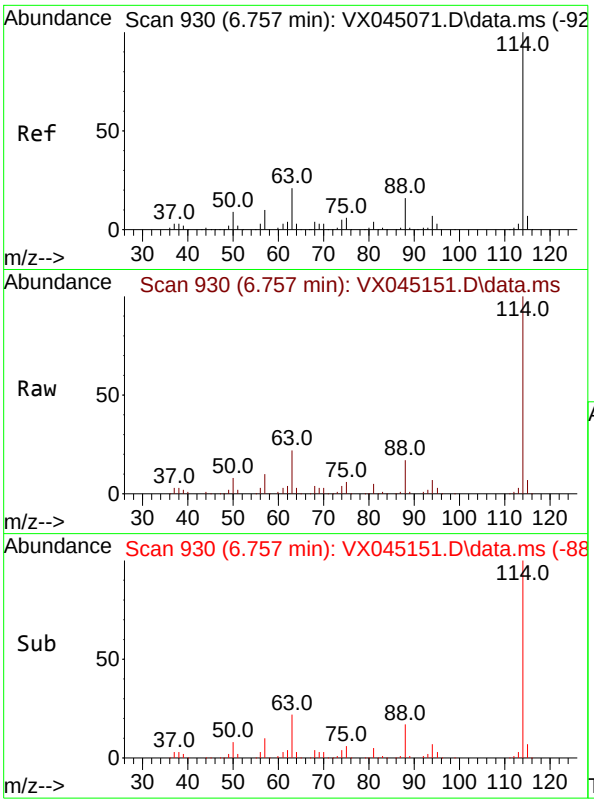


#33
1,2-Dichloroethane-d4
Concen: 51.821 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion: 65 Resp: 65462

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.2



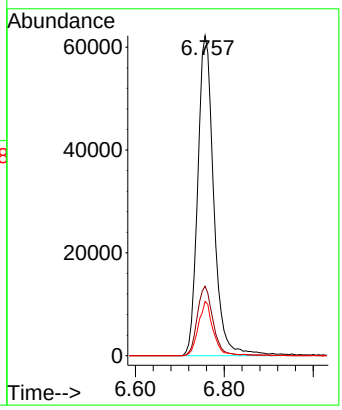


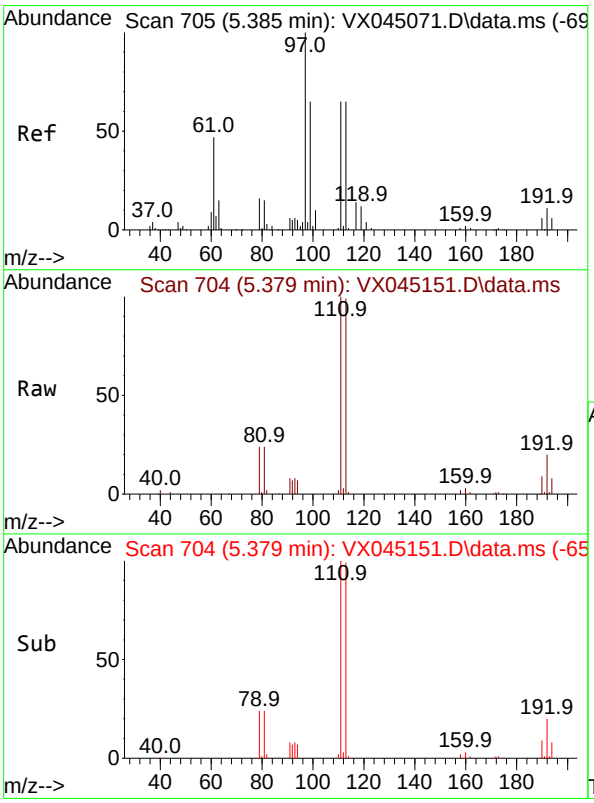
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Tgt Ion:114 Resp: 156296

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	16.9	0.0	32.8

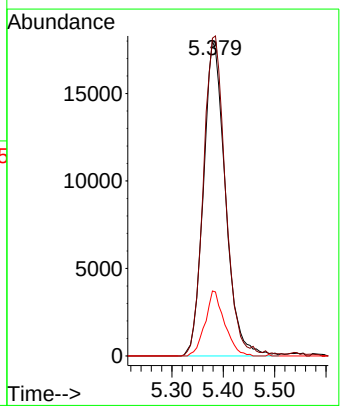


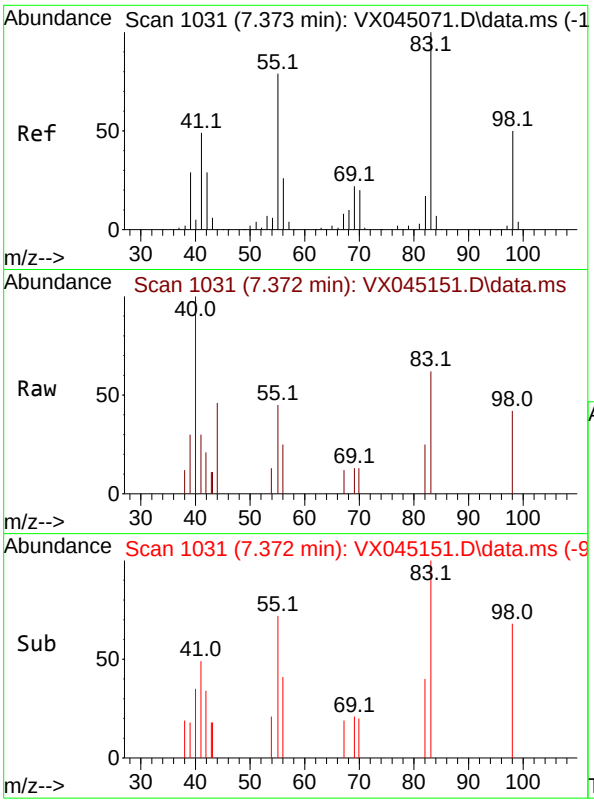


#35
Dibromofluoromethane
Concen: 51.099 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion:113 Resp: 53404

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	18.3	14.3	21.5



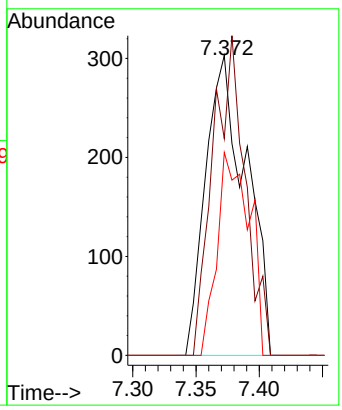


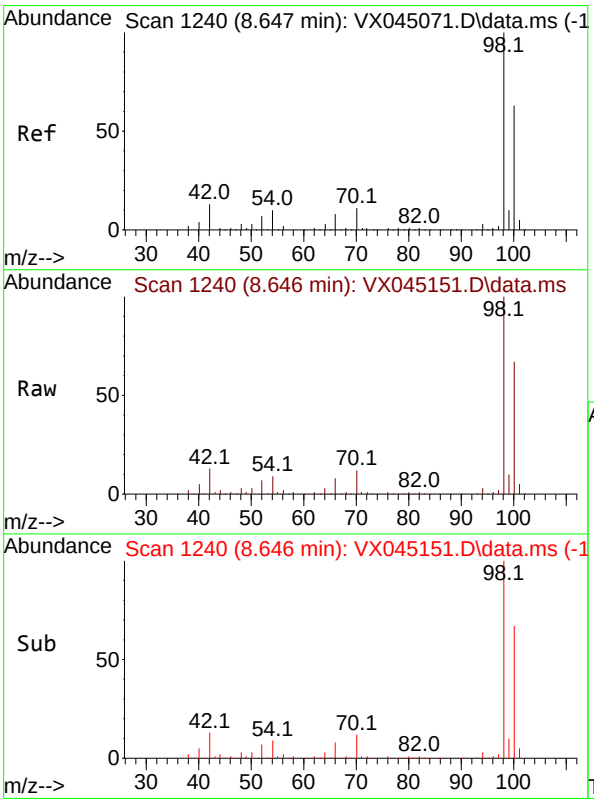
#39
Methylcyclohexane
Concen: 0.393 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Tgt Ion: 83 Resp: 675

Ion	Ratio	Lower	Upper
83	100		
55	72.3	63.0	94.4
98	67.7	39.7	59.5#

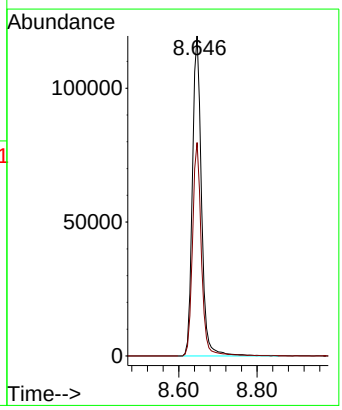


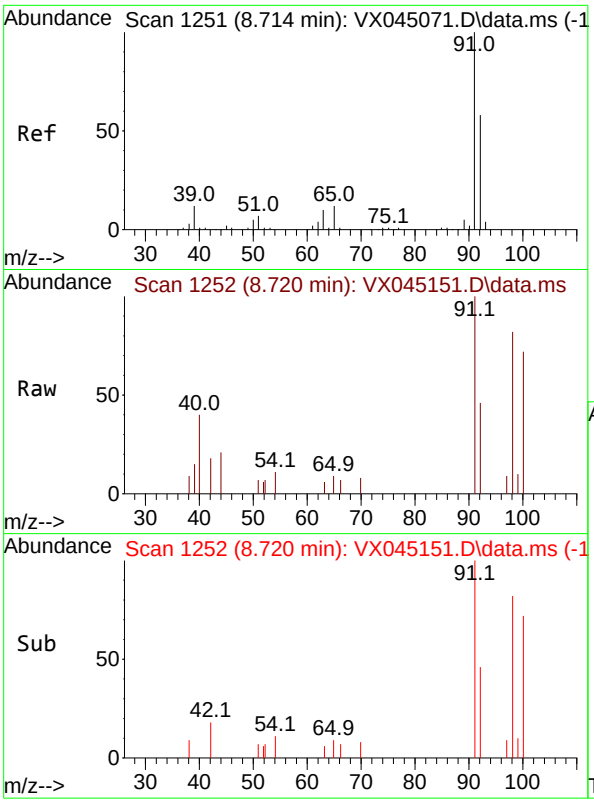


#50
Toluene-d8
Concen: 51.008 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion: 98 Resp: 193262

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



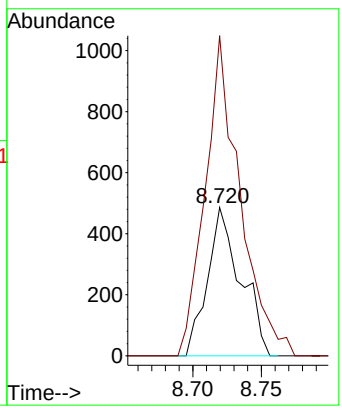


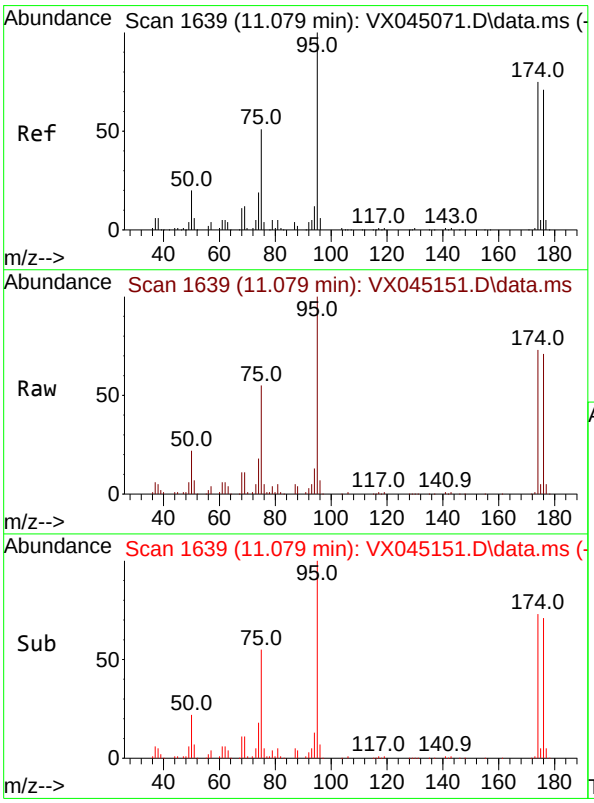
#52
Toluene
Concen: 0.310 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Tgt Ion: 92 Resp: 822

Ion	Ratio	Lower	Upper
92	100		
91	225.3	138.9	208.3#

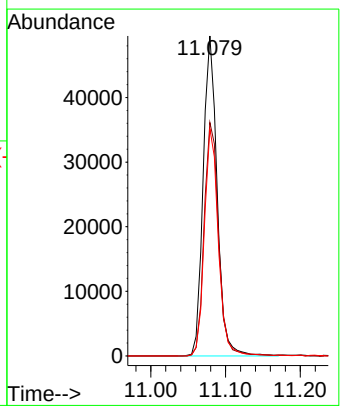


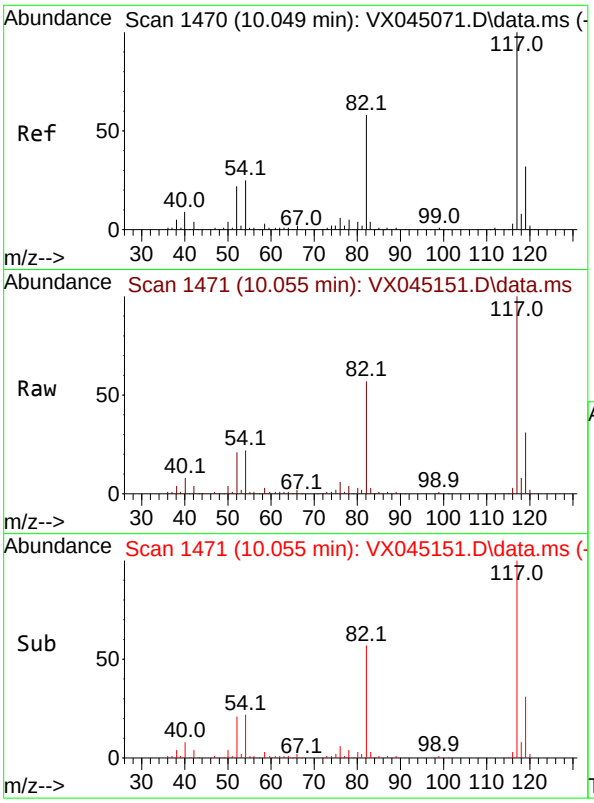


#62
4-Bromofluorobenzene
Concen: 51.288 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion: 95 Resp: 64393

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	148.2
176	71.0	0.0	141.4



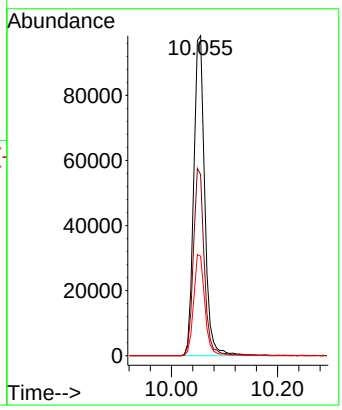


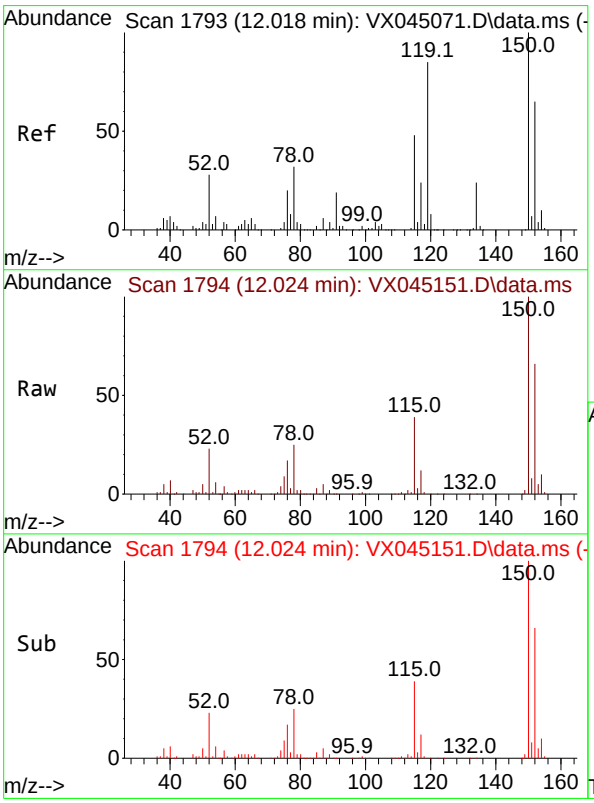
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Tgt Ion:117 Resp: 141923

Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.3	69.5
119	31.1	25.7	38.5

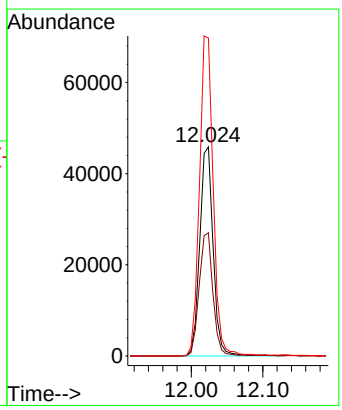




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion:152 Resp: 59794

Ion	Ratio	Lower	Upper
152	100		
115	60.4	44.2	132.6
150	157.1	0.0	349.0



Sample Results: **VX045151.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045151.D
Acq On : 05 Mar 2025 18:38
Operator : JC/MD
Sample : Q1488-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

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_X\Method\82X022825W.M
Title : SW846 8260

Signal : TIC: VX045151.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	19	rVB	10472	10772	1.44%	0.310%
2	1.373	40	47	53	rBV	11332	14948	1.99%	0.431%
3	2.385	205	213	229	rBV	450471	749901	100.00%	21.601%
4	2.562	236	242	252	rVB	5064	11533	1.54%	0.332%
5	3.434	376	385	396	rBV3	4223	10384	1.38%	0.299%
6	4.287	514	525	527	rBV4	4771	9771	1.30%	0.281%
7	5.385	693	705	715	rBV	60732	179447	23.93%	5.169%
8	5.543	722	731	752	rVB	84596	244737	32.64%	7.050%
9	5.952	789	798	816	rBV	70021	187422	24.99%	5.399%
10	6.757	922	930	951	rBV	149806	370342	49.39%	10.668%
11	8.646	1233	1240	1251	rBV	323947	516909	68.93%	14.890%
12	10.049	1465	1470	1493	rBV	317691	458441	61.13%	13.206%
13	11.079	1634	1639	1653	rBV	247508	321619	42.89%	9.264%
14	12.018	1788	1793	1802	rBV	293983	385345	51.39%	11.100%

Sum of corrected areas: 3471571

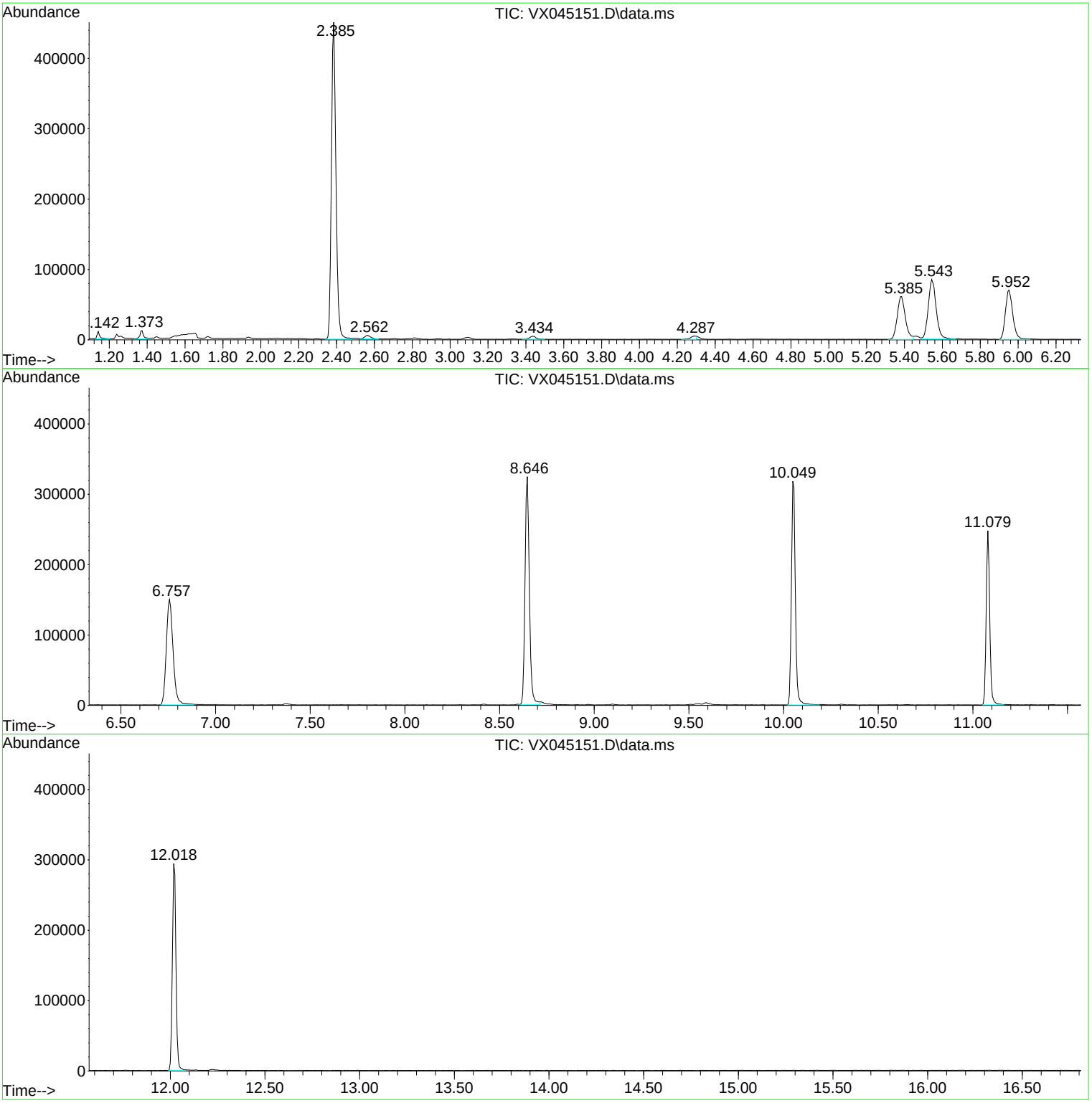
Sample Results: **VX045151.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045151.D
Acq On : 05 Mar 2025 18:38
Operator : JC/MD
Sample : Q1488-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX045151.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045151.D
Acq On : 05 Mar 2025 18:38
Operator : JC/MD
Sample : Q1488-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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_X\Data\VX030525\
Data File : VX045151.D
Acq On : 05 Mar 2025 18:38
Operator : JC/MD
Sample : Q1488-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01DL	SDG No.:	Q1488
Lab Sample ID:	Q1488-14DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045161.D	4		03/06/25 12:23	VX030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	UD	0.84	4.00	ug/L
74-87-3	Chloromethane	1.40	UD	1.40	4.00	ug/L
75-01-4	Vinyl Chloride	1.40	UD	1.40	4.00	ug/L
74-83-9	Bromomethane	5.40	UD	5.40	20.0	ug/L
75-00-3	Chloroethane	2.20	UD	2.20	4.00	ug/L
75-69-4	Trichlorofluoromethane	1.40	UD	1.40	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	UD	1.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	UD	1.00	4.00	ug/L
67-64-1	Acetone	1000	D	5.60	20.0	ug/L
75-15-0	Carbon Disulfide	1.30	UD	1.30	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.64	UD	0.64	4.00	ug/L
79-20-9	Methyl Acetate	2.40	UD	2.40	4.00	ug/L
75-09-2	Methylene Chloride	1.30	UD	1.30	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	UD	1.00	4.00	ug/L
75-34-3	1,1-Dichloroethane	0.92	UD	0.92	4.00	ug/L
110-82-7	Cyclohexane	6.50	UD	6.50	20.0	ug/L
78-93-3	2-Butanone	5.20	UD	5.20	20.0	ug/L
56-23-5	Carbon Tetrachloride	1.00	UD	1.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	UD	1.00	4.00	ug/L
74-97-5	Bromochloromethane	0.72	UD	0.72	4.00	ug/L
67-66-3	Chloroform	1.00	UD	1.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.76	UD	0.76	4.00	ug/L
108-87-2	Methylcyclohexane	0.76	UD	0.76	4.00	ug/L
71-43-2	Benzene	0.64	UD	0.64	4.00	ug/L
107-06-2	1,2-Dichloroethane	0.96	UD	0.96	4.00	ug/L
79-01-6	Trichloroethene	1.30	UD	1.30	4.00	ug/L
78-87-5	1,2-Dichloropropane	0.76	UD	0.76	4.00	ug/L
75-27-4	Bromodichloromethane	0.96	UD	0.96	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	UD	3.00	20.0	ug/L
108-88-3	Toluene	0.72	UD	0.72	4.00	ug/L

Raw Data: **VX045161.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01DL	SDG No.:	Q1488
Lab Sample ID:	Q1488-14DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045161.D	4		03/06/25 12:23	VX030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.84	UD	0.84	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.72	UD	0.72	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.84	UD	0.84	4.00	ug/L
591-78-6	2-Hexanone	4.50	UD	4.50	20.0	ug/L
124-48-1	Dibromochloromethane	0.72	UD	0.72	4.00	ug/L
106-93-4	1,2-Dibromoethane	0.64	UD	0.64	4.00	ug/L
127-18-4	Tetrachloroethene	1.00	UD	1.00	4.00	ug/L
108-90-7	Chlorobenzene	0.52	UD	0.52	4.00	ug/L
100-41-4	Ethyl Benzene	0.64	UD	0.64	4.00	ug/L
179601-23-1	m/p-Xylenes	1.20	UD	1.20	8.00	ug/L
95-47-6	o-Xylene	0.56	UD	0.56	4.00	ug/L
100-42-5	Styrene	0.64	UD	0.64	4.00	ug/L
75-25-2	Bromoform	0.84	UD	0.84	4.00	ug/L
98-82-8	Isopropylbenzene	0.52	UD	0.52	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.10	UD	1.10	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.96	UD	0.96	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.10	UD	1.10	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.76	UD	0.76	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	UD	1.80	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.70	UD	1.70	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.00	UD	2.00	4.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	53.4		70 (86) - 130 (113)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	70200	5.55			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	48200	12.018			

Raw Data: **VX045161.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01DL	SDG No.:	Q1488
Lab Sample ID:	Q1488-14DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045161.D	4		03/06/25 12:23	VX030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VX045161.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045161.D
Acq On : 06 Mar 2025 12:23
Operator : JC/MD
Sample : Q1488-14DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01DL

Manual Integrations APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

Quant Time: Mar 07 00:39:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	70228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133297	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58140	52.046	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.100%			
35) Dibromofluoromethane	5.379	113	47297	53.064	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.120%			
50) Toluene-d8	8.647	98	172598	53.414	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.820%			
62) 4-Bromofluorobenzene	11.079	95	55482	51.815	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.620%			
Target Compounds						Qvalue
16) Acetone	2.380	43	133319	257.228	ug/l	97
31) Cyclohexane	5.446	56	733m	0.482	ug/l	

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

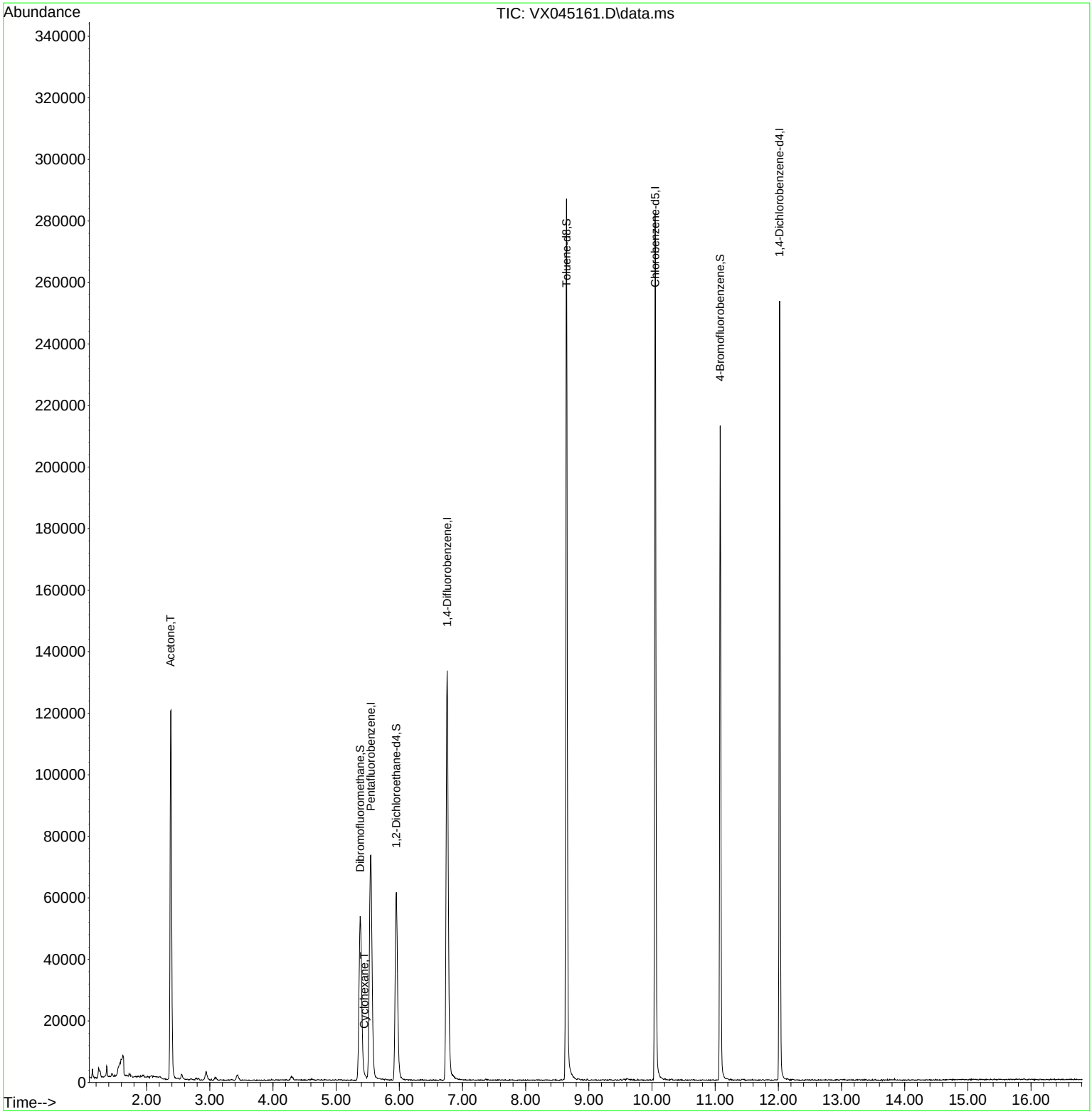
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045161.D
Acq On : 06 Mar 2025 12:23
Operator : JC/MD
Sample : Q1488-14DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

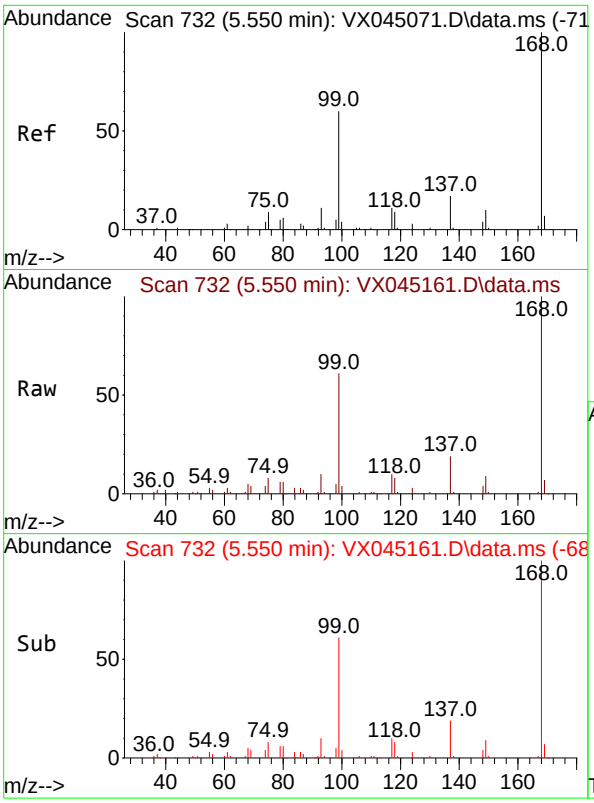
Quant Time: Mar 07 00:39:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01DL

Manual Integrations APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

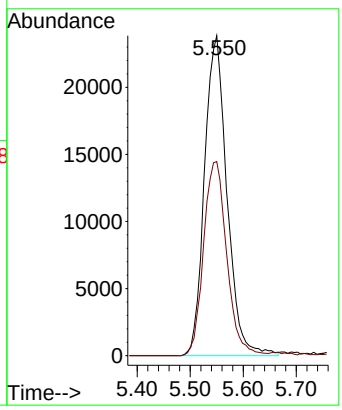




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

Tgt Ion:168 Resp: 7022

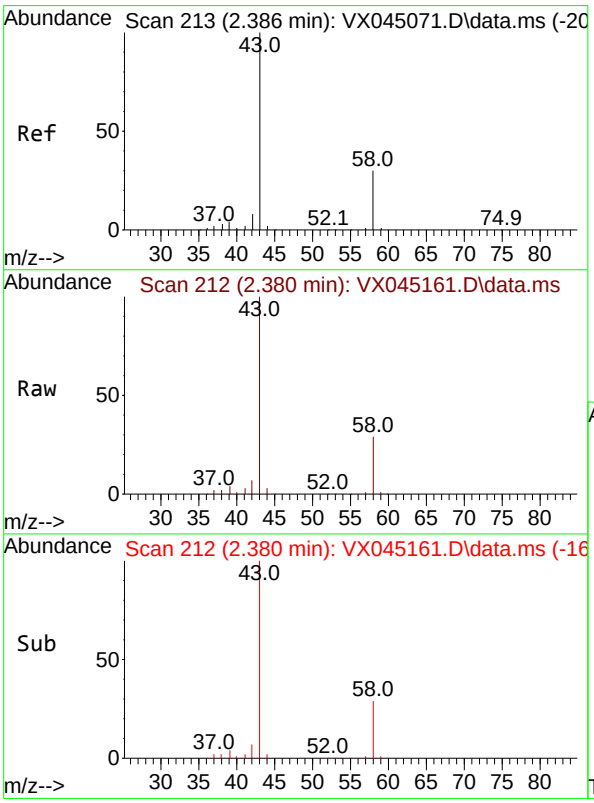
Ion	Ratio	Lower	Upper
168	100		
99	60.7	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01DL

Manual Integrations
APPROVED

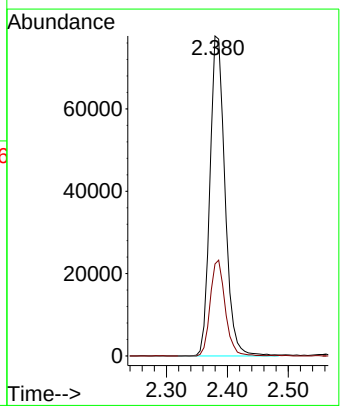
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

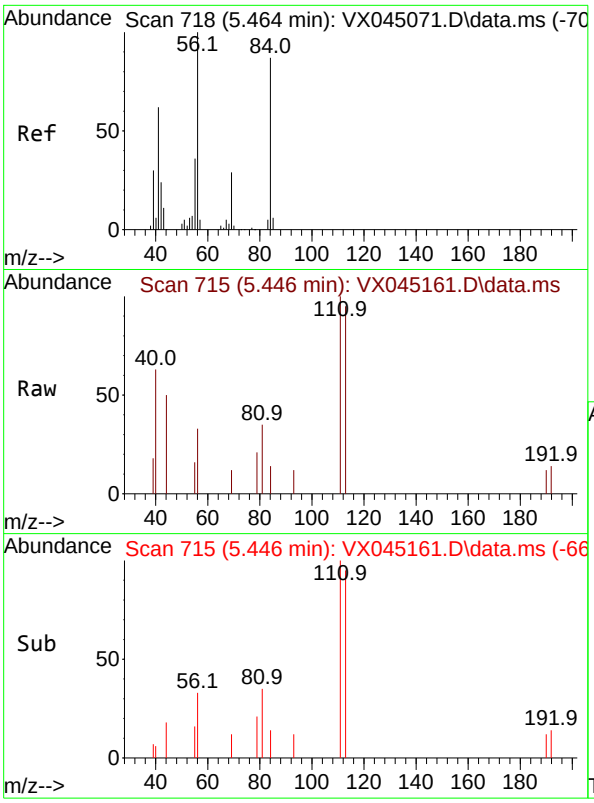


#16
Acetone
Concen: 257.228 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

Tgt Ion: 43 Resp: 133319

Ion	Ratio	Lower	Upper
43	100		
58	28.7	24.2	36.4





#31
Cyclohexane
Concen: 0.482 ug/l m
RT: 5.446 min Scan# 7
Delta R.T. -0.018 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

Tgt Ion: 56 Resp: 73

Ion	Ratio	Lower	Upper
56	100		
69	36.7	23.4	35.2#
84	42.0	69.4	104.2#

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01DL

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
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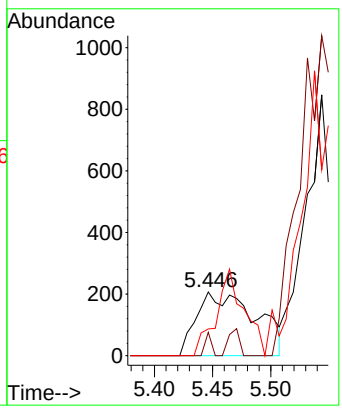
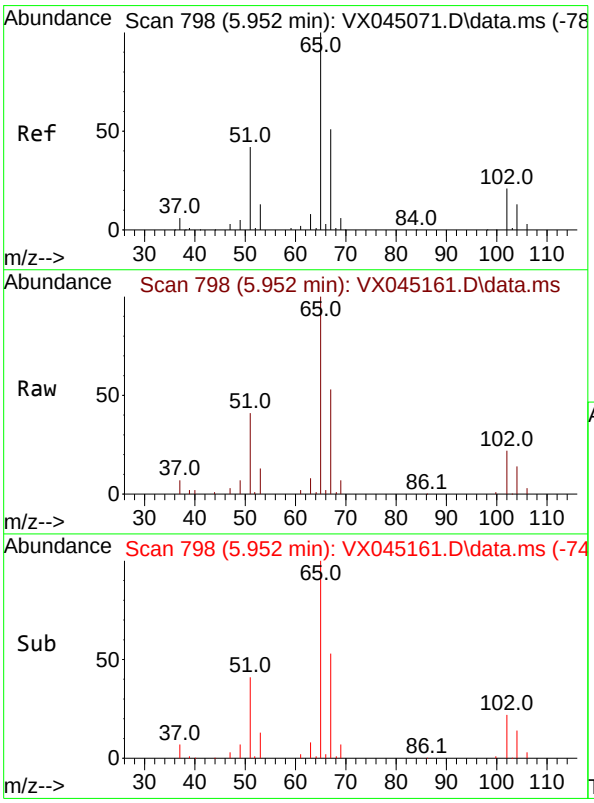
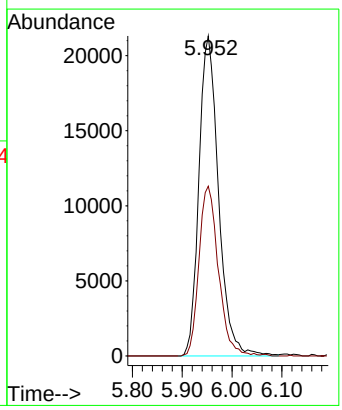


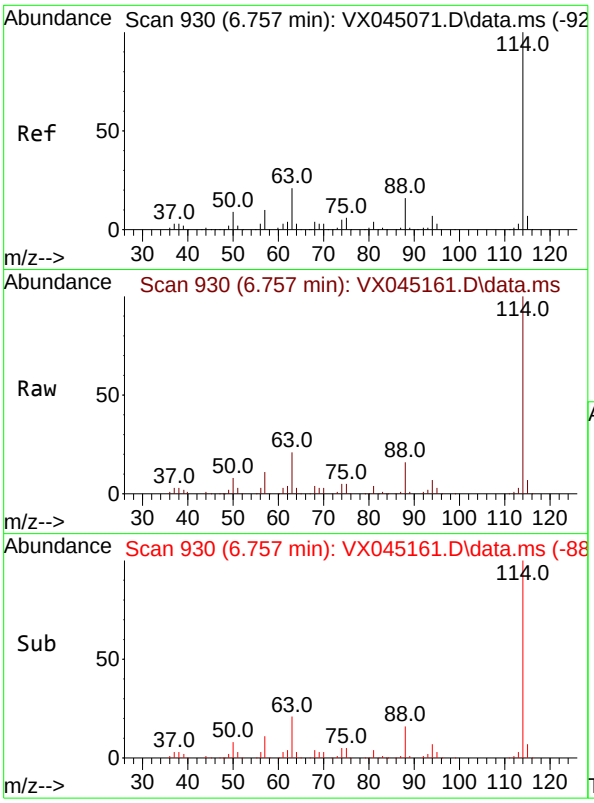


#33
1,2-Dichloroethane-d4
Concen: 52.046 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

Tgt Ion: 65 Resp: 58140

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

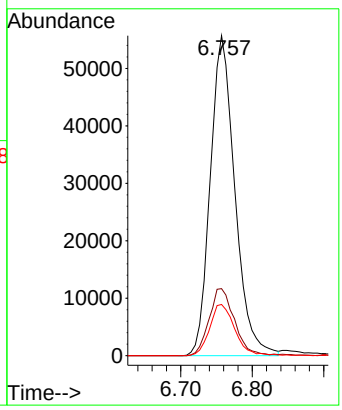
Tgt Ion:114 Resp: 13329

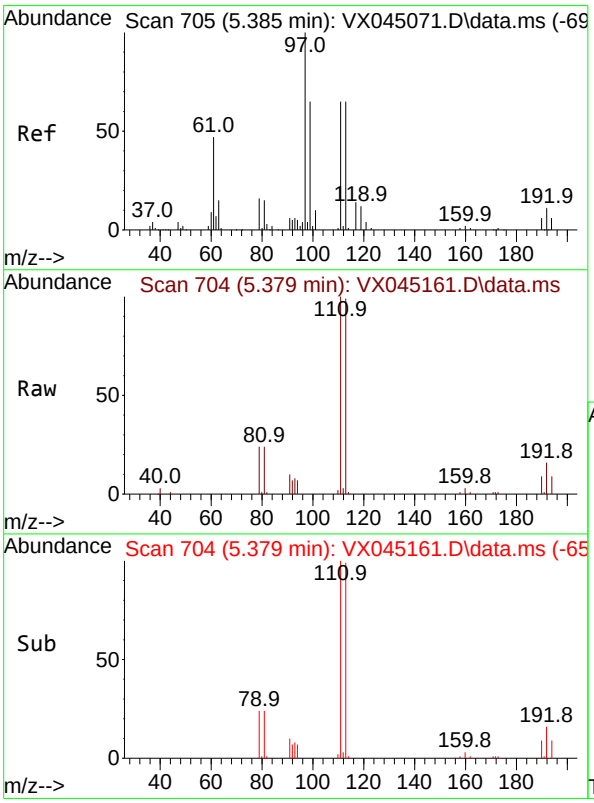
Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.8
88	16.0	0.0	32.8

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01DL

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

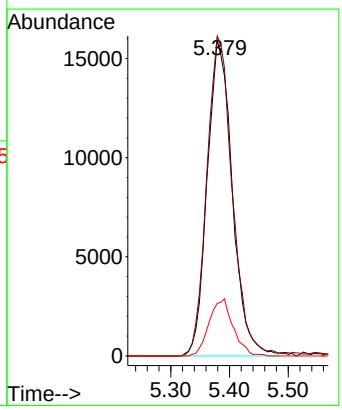


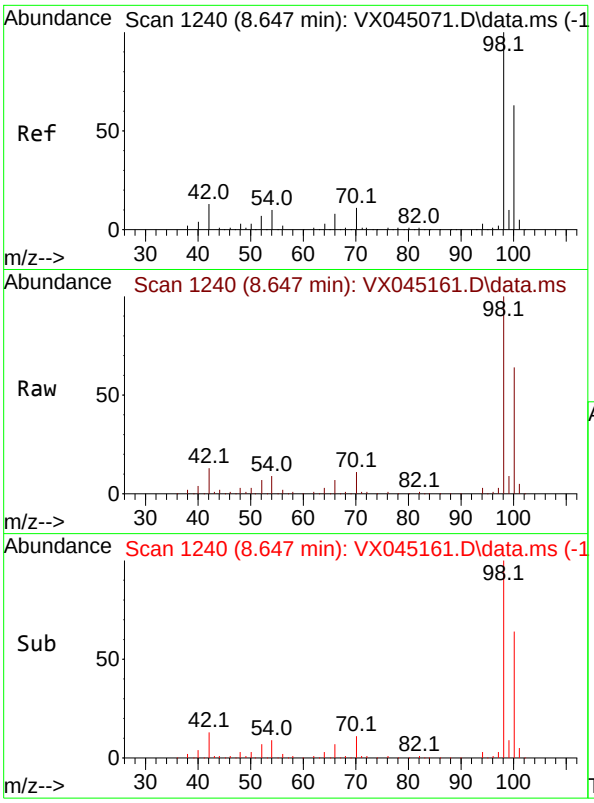


#35
Dibromofluoromethane
Concen: 53.064 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

Tgt Ion:113 Resp: 47297

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	17.3	14.3	21.5





#50
Toluene-d8
Concen: 53.414 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

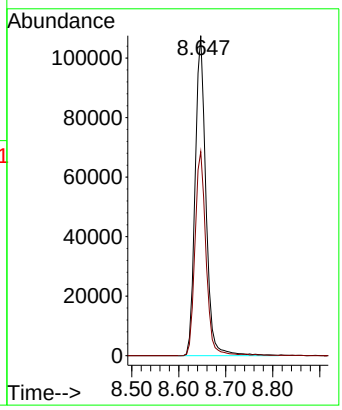
Tgt Ion: 98 Resp: 17259

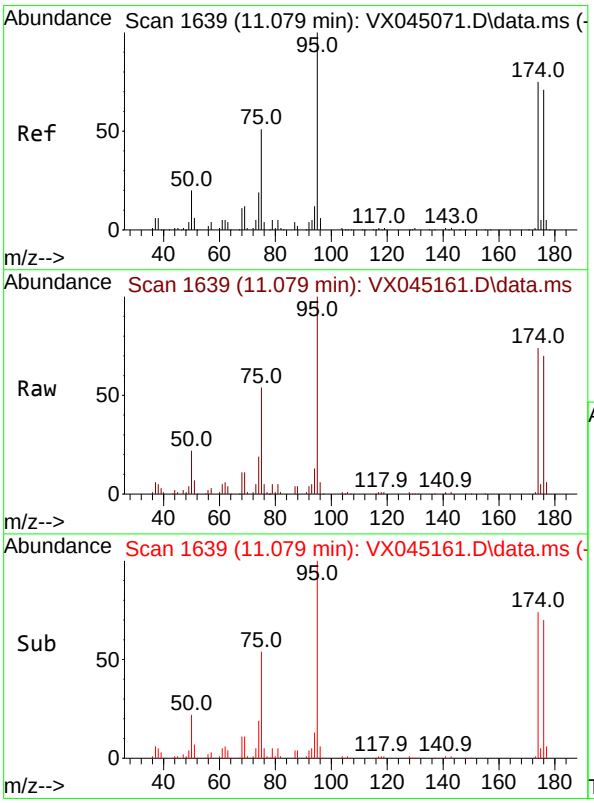
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01DL

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

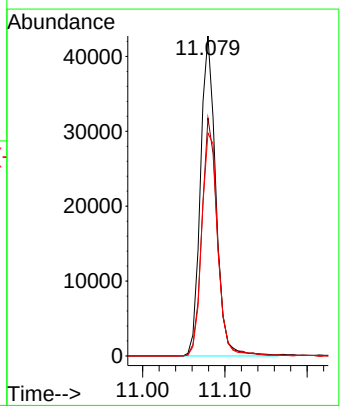


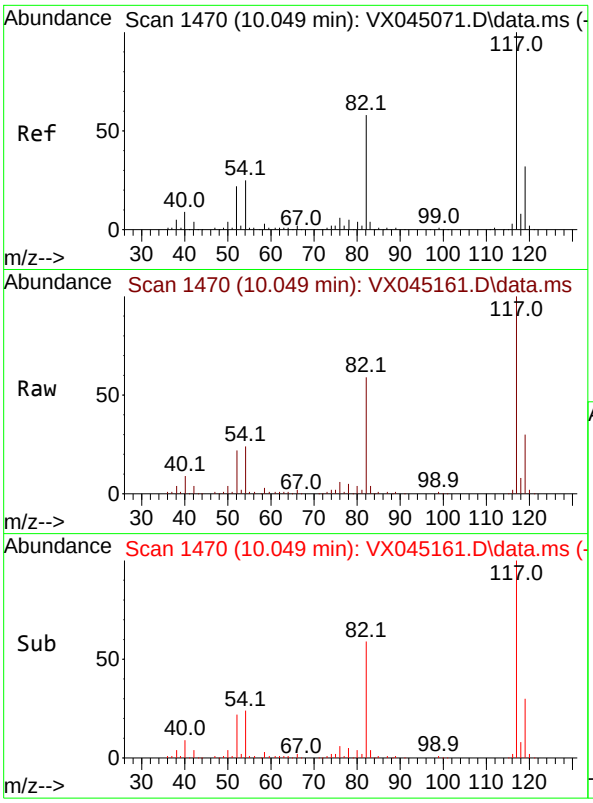


#62
4-Bromofluorobenzene
Concen: 51.815 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

Tgt Ion: 95 Resp: 55482

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	148.2
176	72.9	0.0	141.4

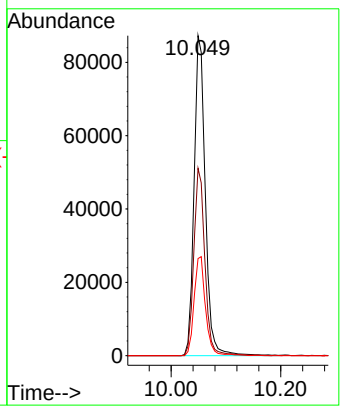




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

Tgt Ion:117 Resp: 12463

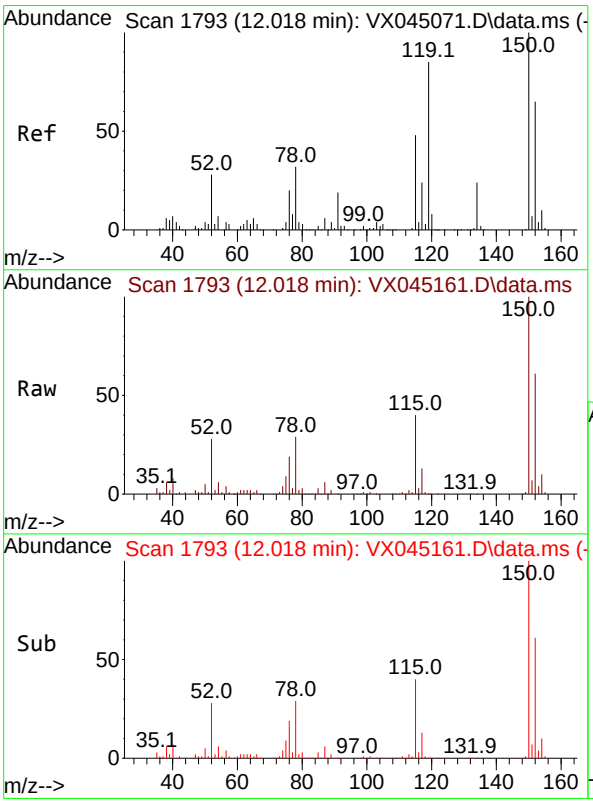
Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.3	69.5
119	30.4	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01DL

Manual Integrations
APPROVED

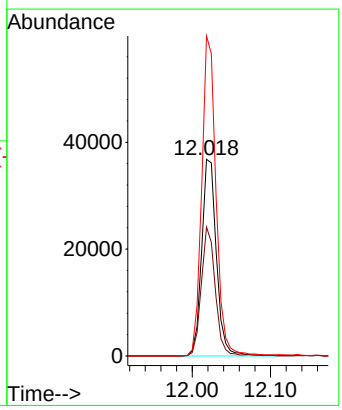
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

Tgt Ion:152 Resp: 48192

Ion	Ratio	Lower	Upper
152	100		
115	61.8	44.2	132.6
150	157.5	0.0	349.0



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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	TB03042025	SDG No.:	Q1488
Lab Sample ID:	Q1488-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045149.D	1		03/05/25 17:52	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	TB03042025	SDG No.:	Q1488
Lab Sample ID:	Q1488-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045149.D	1		03/05/25 17:52	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	72800	5.544			
540-36-3	1,4-Difluorobenzene	144000	6.757			
3114-55-4	Chlorobenzene-d5	130000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	50900	12.024			

Raw Data: **VX045149.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	TB03042025	SDG No.:	Q1488
Lab Sample ID:	Q1488-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045149.D	1		03/05/25 17:52	VX030525

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_X\Data\VX030525\
Data File : VX045149.D
Acq On : 05 Mar 2025 17:52
Operator : JC/MD
Sample : Q1488-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Quant Time: Mar 06 01:10:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

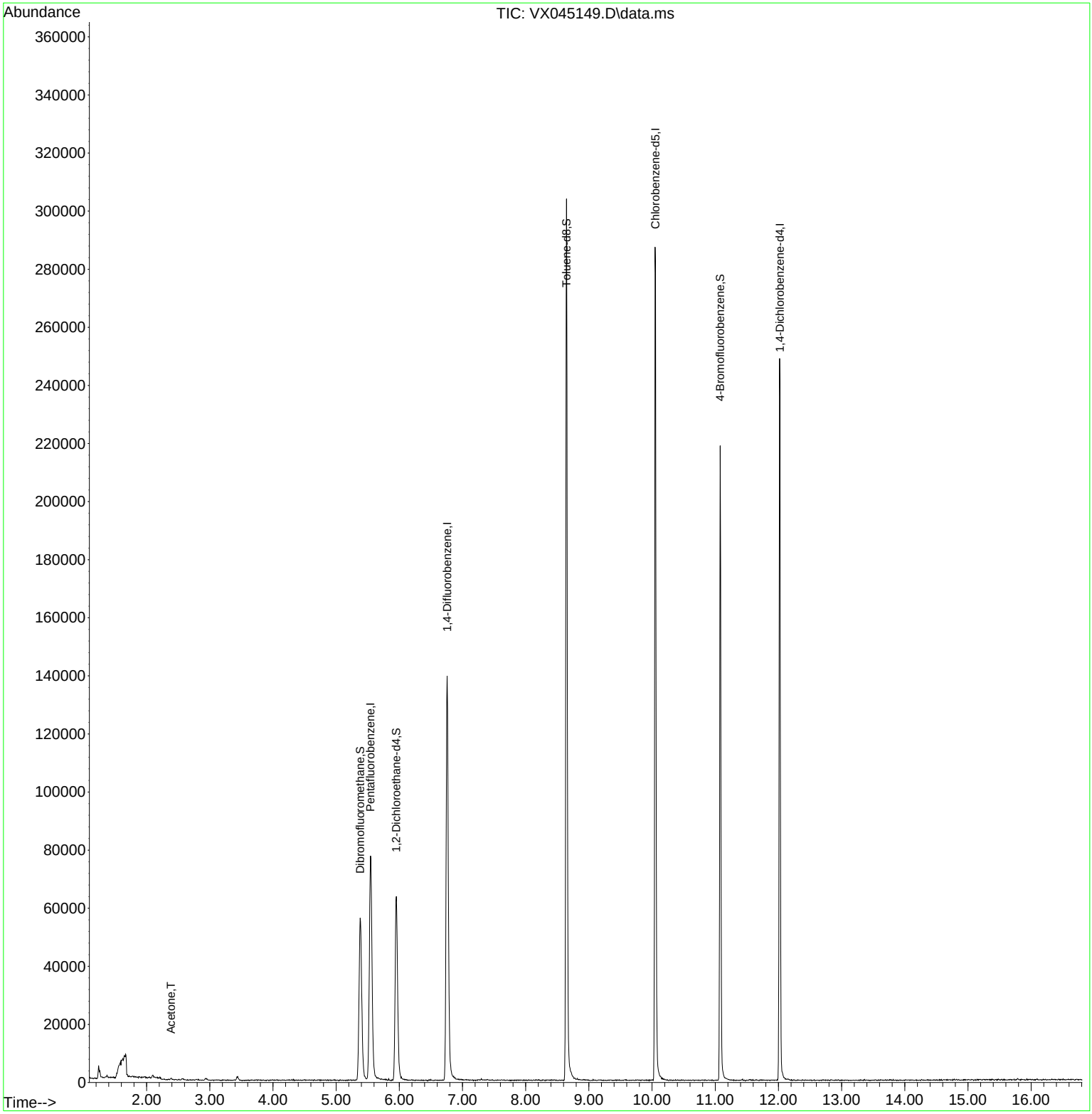
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	72831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143614	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61816	53.359	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.720%			
35) Dibromofluoromethane	5.379	113	48916	50.938	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.880%			
50) Toluene-d8	8.647	98	178936	51.397	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.800%			
62) 4-Bromofluorobenzene	11.079	95	57520	49.859	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.720%			
Target Compounds						Qvalue
16) Acetone	2.386	43	580	1.079	ug/l	99

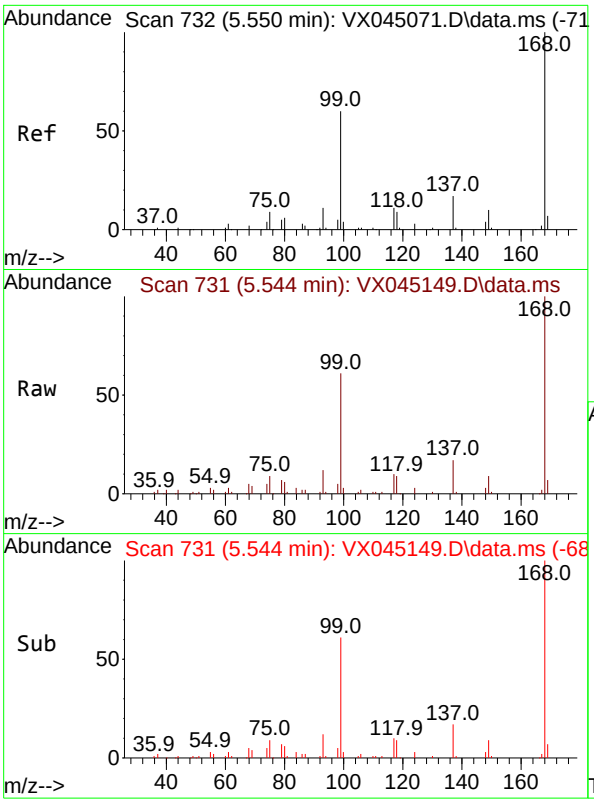
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045149.D
Acq On : 05 Mar 2025 17:52
Operator : JC/MD
Sample : Q1488-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Quant Time: Mar 06 01:10:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



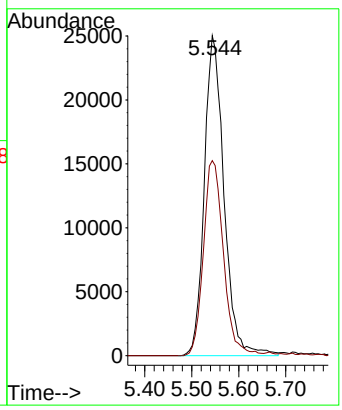


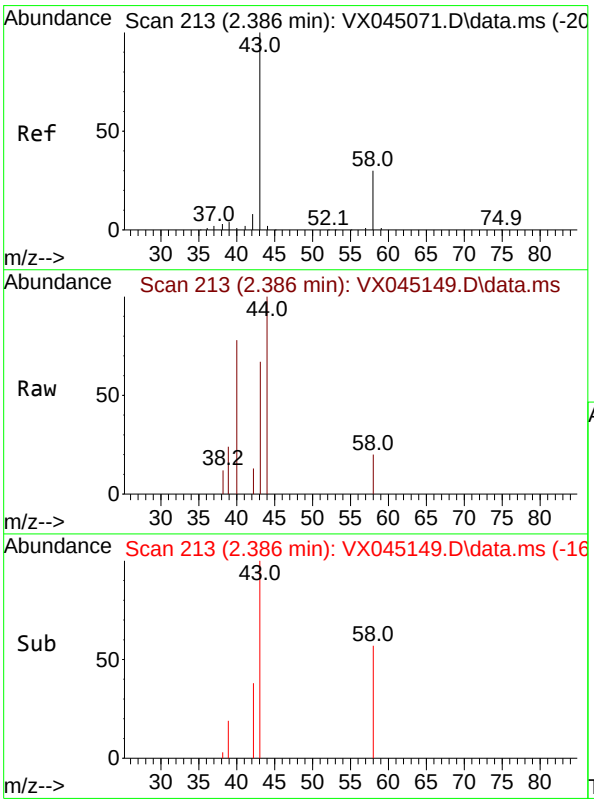
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045149.D
Acq: 05 Mar 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Tgt Ion:168 Resp: 72831

Ion	Ratio	Lower	Upper
168	100		
99	60.9	48.2	72.4

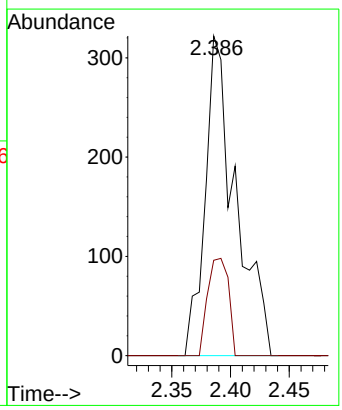


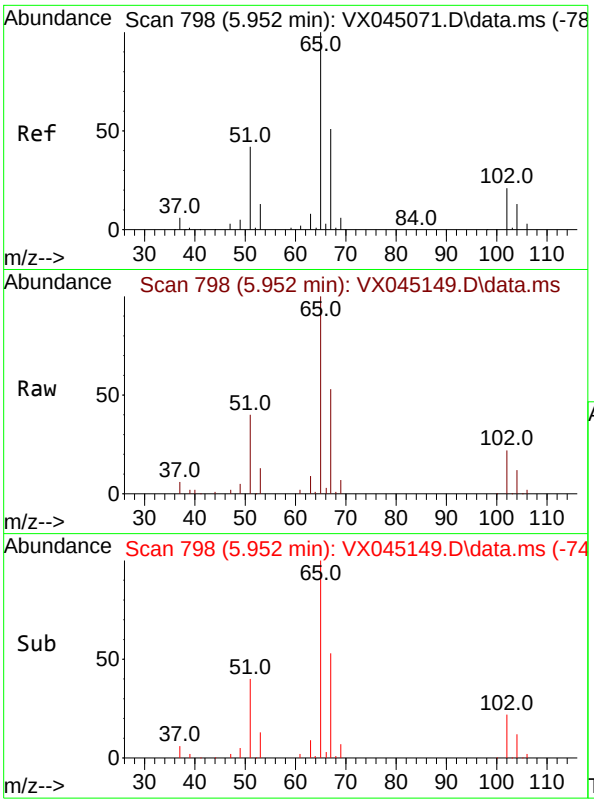


#16
Acetone
Concen: 1.079 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045149.D
Acq: 05 Mar 2025 17:52

Tgt Ion: 43 Resp: 580

Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.2	36.4



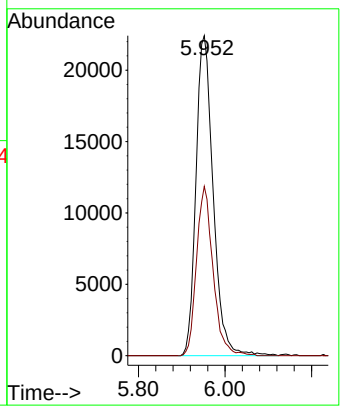


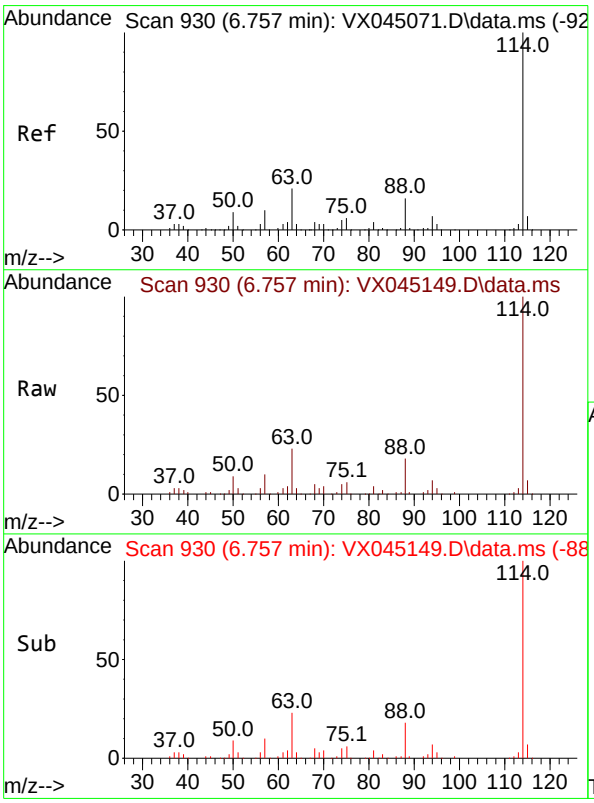
#33
1,2-Dichloroethane-d4
Concen: 53.359 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045149.D
Acq: 05 Mar 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Tgt Ion: 65 Resp: 61816

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	106.2

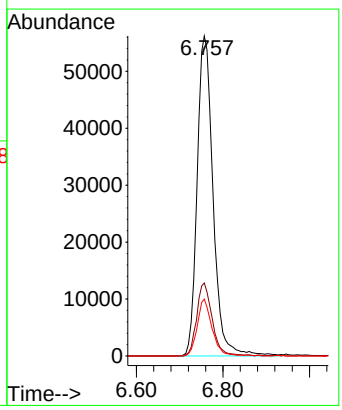


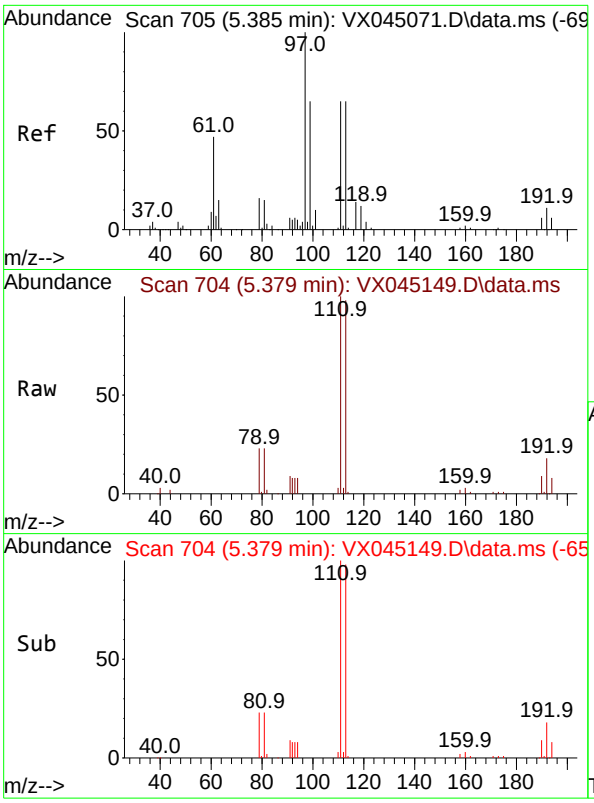


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045149.D
Acq: 05 Mar 2025 17:52

Tgt Ion:114 Resp: 143614

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	17.7	0.0	32.8



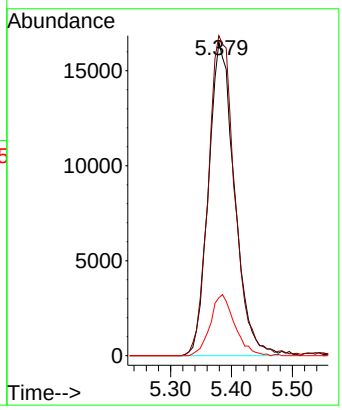


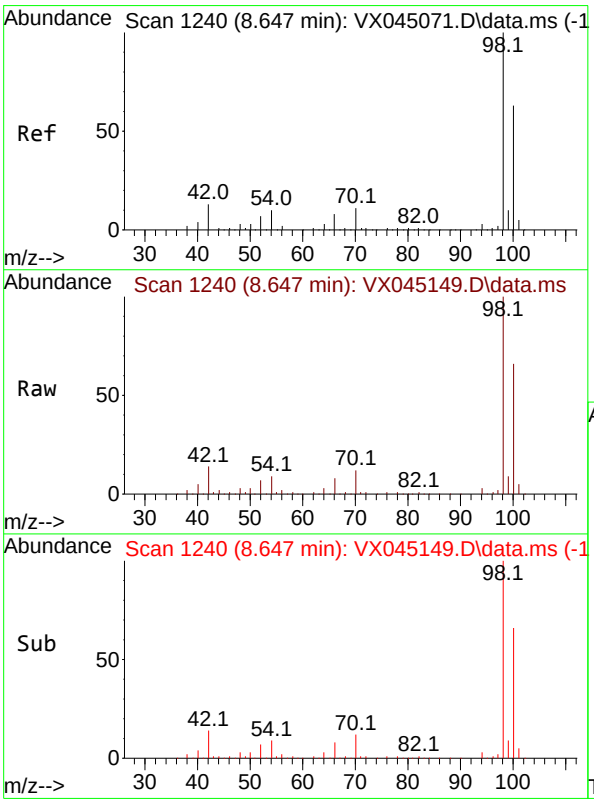
#35
Dibromofluoromethane
Concen: 50.938 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045149.D
Acq: 05 Mar 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Tgt Ion:113 Resp: 48916

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.8	122.6
192	18.3	14.3	21.5

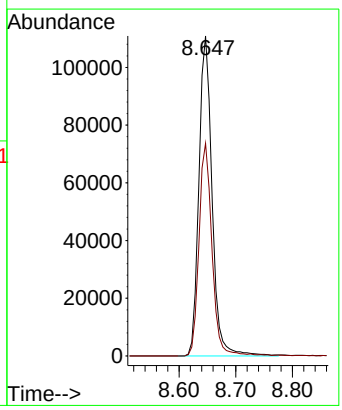


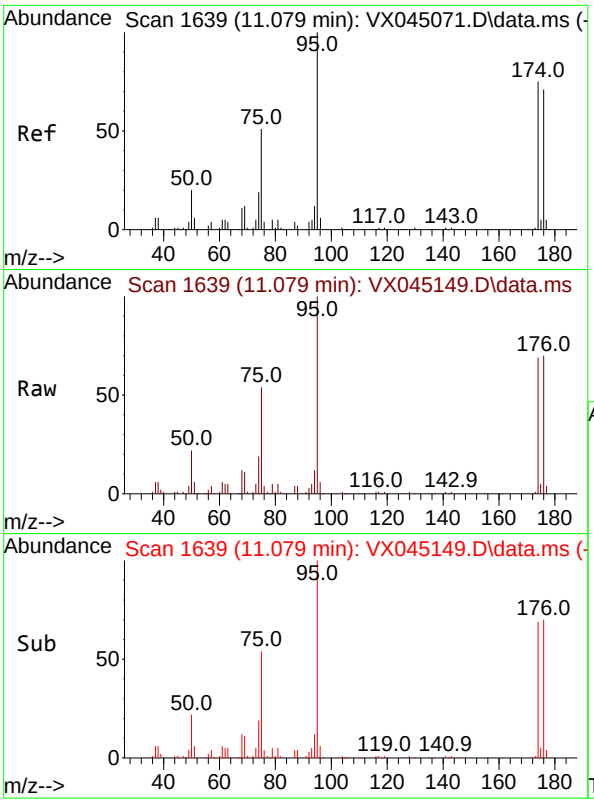


#50
Toluene-d8
Concen: 51.397 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045149.D
Acq: 05 Mar 2025 17:52

Tgt Ion: 98 Resp: 178936

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0



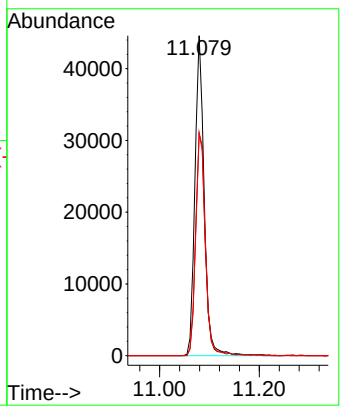


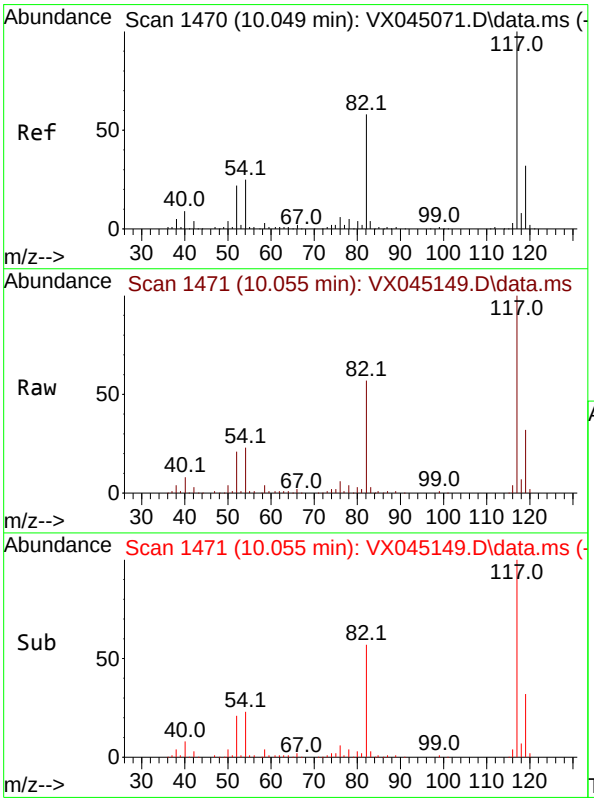
#62
4-Bromofluorobenzene
Concen: 49.859 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045149.D
Acq: 05 Mar 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Tgt Ion: 95 Resp: 57520

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	148.2
176	72.3	0.0	141.4

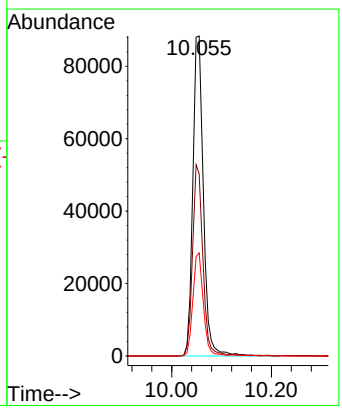


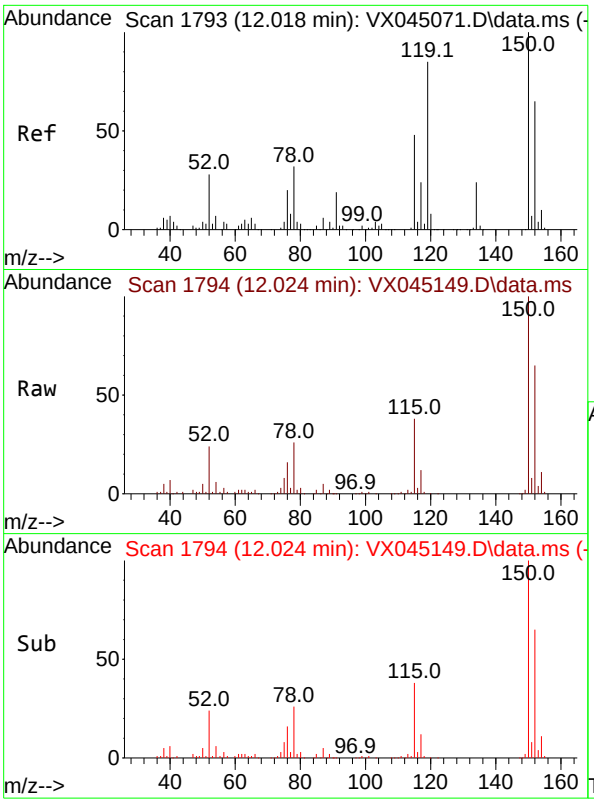


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045149.D
Acq: 05 Mar 2025 17:52

Tgt Ion:117 Resp: 130232

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.3	69.5
119	32.2	25.7	38.5



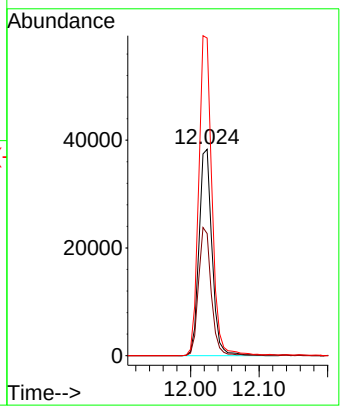


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045149.D
Acq: 05 Mar 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Tgt Ion:152 Resp: 50863

Ion	Ratio	Lower	Upper
152	100		
115	60.6	44.2	132.6
150	157.4	0.0	349.0



Sample Results: **VX045149.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045149.D
Acq On : 05 Mar 2025 17:52
Operator : JC/MD
Sample : Q1488-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

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_X\Method\82X022825W.M
Title : SW846 8260

Signal : TIC: VX045149.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	32	rBV2	4447	7458	1.52%	0.306%
2	1.587	69	82	83	rBV6	5623	17021	3.47%	0.698%
3	5.379	695	704	721	rBV	55755	164636	33.59%	6.747%
4	5.544	721	731	743	rBV2	76805	219542	44.79%	8.997%
5	5.952	789	798	810	rBV	63301	170703	34.83%	6.996%
6	6.757	921	930	946	rBV	139141	341853	69.74%	14.010%
7	8.647	1234	1240	1259	rBV	303424	490169	100.00%	20.089%
8	10.049	1465	1470	1487	rBV	286976	419154	85.51%	17.178%
9	11.079	1634	1639	1650	rBV	218423	282635	57.66%	11.583%
10	12.018	1788	1793	1804	rBV	248544	326873	66.69%	13.396%

Sum of corrected areas: 2440044

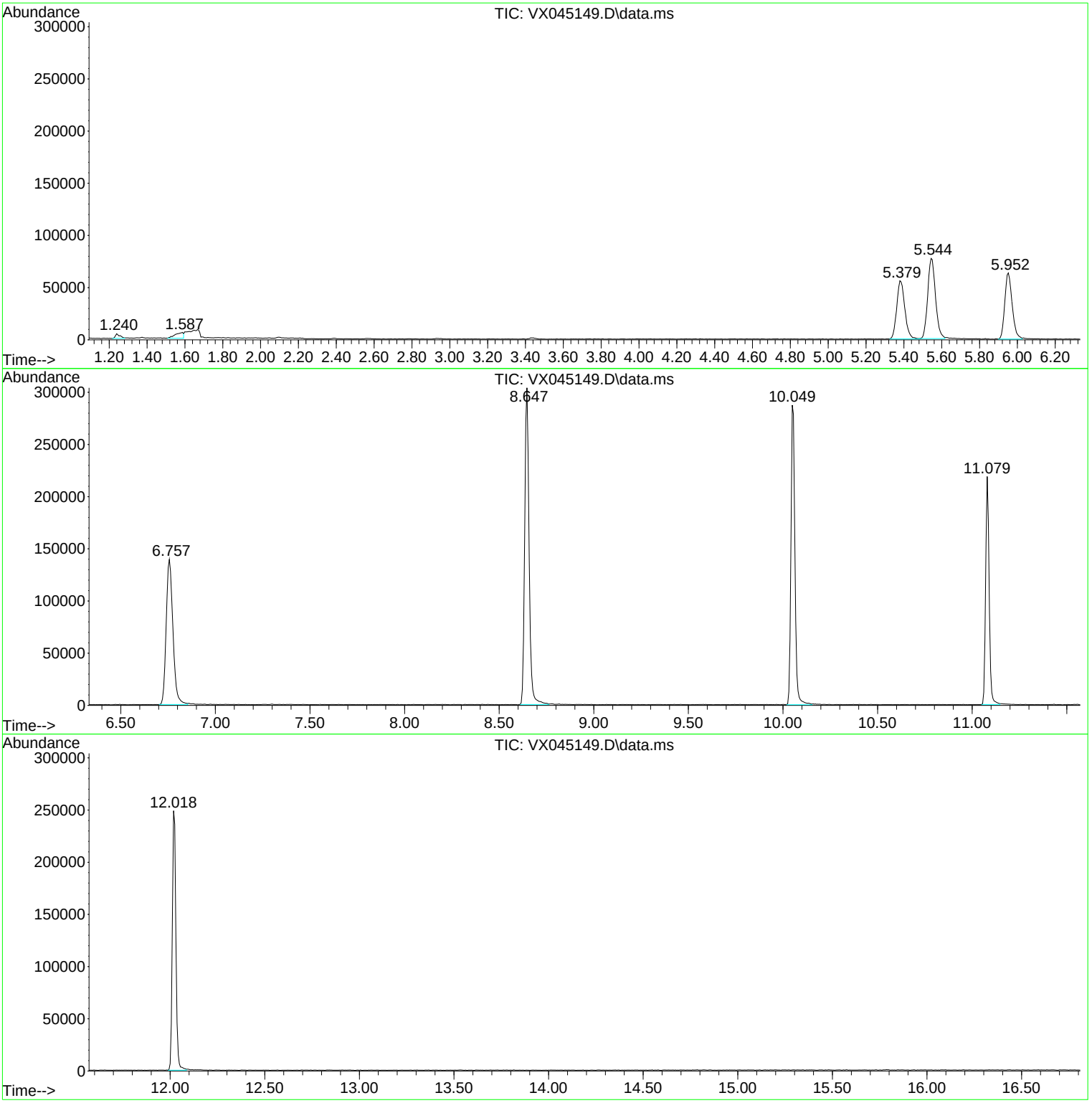
Sample Results: **VX045149.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045149.D
Acq On : 05 Mar 2025 17:52
Operator : JC/MD
Sample : Q1488-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045149.D
Acq On : 05 Mar 2025 17:52
Operator : JC/MD
Sample : Q1488-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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_X\Data\VX030525\
Data File : VX045149.D
Acq On : 05 Mar 2025 17:52
Operator : JC/MD
Sample : Q1488-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX045068.D RRF005 = VX045069.D RRF020 = VX045070.D
RRF050 = VX045071.D RRF100 = VX045072.D RRF150 = VX045073.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.4
Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.7
Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1
Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7
Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.5
Trichlorofluoromethane	0.978	1.061	1.050	1.050	0.982	0.948	1.012	4.7
1,1,2-Trichlorotrifluoroethane	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.4
1,1-Dichloroethene	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.3
Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7
Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.6
Methyl tert-butyl Ether	1.955	1.913	2.127	2.083	2.132	2.158	2.061	5
Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.6
Methylene Chloride	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.8
trans-1,2-Dichloroethene	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.7
1,1-Dichloroethane	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.5
Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.3
2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.1
Carbon Tetrachloride	0.463	0.463	0.447	0.468	0.489	0.463	0.465	3
cis-1,2-Dichloroethene	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.2
Bromochloromethane	0.557	0.633	0.613	0.603	0.563	0.596	0.594	5
Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	2
1,1,1-Trichloroethane	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.8
Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.1
Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.7
1,2-Dichloroethane	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.6
Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.7
1,2-Dichloropropane	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.7
Bromodichloromethane	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.2
4-Methyl-2-Pentanone	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.5
Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX045068.D RRF005 = VX045069.D RRF020 = VX045070.D
RRF050 = VX045071.D RRF100 = VX045072.D RRF150 = VX045073.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.3
cis-1,3-Dichloropropene	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.8
1,1,2-Trichloroethane	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.6
2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.1
Dibromochloromethane	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9
1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.7
Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.3
Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.7
Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.1
m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.3
o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.5
Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.7
Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.9
Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.8
1,1,2,2-Tetrachloroethane	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.6
1,3-Dichlorobenzene	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.4
1,4-Dichlorobenzene	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.1
1,2-Dichlorobenzene	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.5
1,2-Dibromo-3-Chloropropane	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.6
1,2,4-Trichlorobenzene	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.3
1,2,3-Trichlorobenzene	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.2
1,2-Dichloroethane-d4		0.836	0.784	0.757	0.783	0.817	0.795	3.9
Dibromofluoromethane		0.329	0.335	0.329	0.340	0.338	0.334	1.5
Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.4
4-Bromofluorobenzene		0.383	0.393	0.402	0.410	0.421	0.402	3.7

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025
Response Via : Initial Calibration

Calibration Files
1 =VX045068.D 5 =VX045069.D 20 =VX045070.D 50 =VX045071.D 100 =VX045072.D 150 =VX045073.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.38
3)	P	Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.68
4)	C	Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1.03#
5)	T	Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7.01
6)	T	Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.54
7)	T	Trichlorofluor...	0.978	1.061	1.050	1.050	0.982	0.948	1.011	4.73
8)	T	Diethyl Ether	0.406	0.402	0.409	0.387	0.387	0.383	0.396	2.83
9)	T	1,1,2-Trichlor...	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.41
10)	T	Methyl Iodide		0.607	0.758	0.769	0.758	0.739	0.726	9.28
11)	T	Tert butyl alc...		0.189	0.161	0.134	0.133	0.136	0.151	16.19
12)	CM	1,1-Dichloroet...	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.27#
13)	T	Acrolein		0.162	0.173	0.174	0.178	0.184	0.174	4.53
14)	T	Allyl chloride	1.140	1.047	1.104	1.107	1.091	1.072	1.094	2.92
15)	T	Acrylonitrile	0.396	0.398	0.432	0.410	0.387	0.399	0.404	3.90
16)	T	Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7.04
17)	T	Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.62
18)	T	Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.59
19)	T	Methyl tert-bu...	1.955	1.913	2.127	2.083	2.132	2.158	2.061	4.97
20)	T	Methylene Chlo...	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.84
21)	T	trans-1,2-Dich...	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.73
22)	T	Diisopropyl ether	1.959	2.156	2.321	2.291	2.310	2.307	2.224	6.46
23)	T	Vinyl Acetate	1.486	1.655	1.961	1.973	2.012	2.049	1.856	12.38
24)	P	1,1-Dichloroet...	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.45
25)	T	2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.09
26)	T	2,2-Dichloropr...	0.519	0.562	0.588	0.597	0.617	0.626	0.585	6.74
27)	T	cis-1,2-Dichlo...	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.21
28)	T	Bromochloromet...	0.557	0.633	0.613	0.603	0.563	0.596	0.594	4.97
29)	T	Tetrahydrofuran	0.362	0.376	0.398	0.373	0.361	0.368	0.373	3.61
30)	C	Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	1.97#
31)	T	Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.35
32)	T	1,1,1-Trichlor...	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.83
33)	S	1,2-Dichloroet...		0.836	0.784	0.757	0.783	0.817	0.795	3.91
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.329	0.335	0.329	0.340	0.338	0.334	1.53
36)	T	1,1-Dichloropr...	0.446	0.462	0.444	0.469	0.476	0.455	0.459	2.77
37)	T	Ethyl Acetate	0.589	0.538	0.607	0.606	0.609	0.596	0.591	4.53
38)	T	Carbon Tetrach...	0.463	0.463	0.447	0.468	0.489	0.463	0.465	2.96
39)	T	Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.07
40)	TM	Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.72
41)	T	Methacrylonitrile	0.284	0.293	0.337	0.340	0.332	0.330	0.319	7.59
42)	TM	1,2-Dichloroet...	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.63
43)	T	Isopropyl Acetate	0.675	0.800	0.940	0.929	0.935	0.964	0.874	12.98
44)	TM	Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.72
45)	C	1,2-Dichloropr...	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.68#
46)	T	Dibromomethane	0.236	0.265	0.272	0.269	0.269	0.268	0.263	5.10
47)	T	Bromodichlorom...	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.23
48)	T	Methyl methacr...	0.352	0.422	0.460	0.463	0.458	0.475	0.438	10.46
49)	T	1,4-Dioxane	0.008	0.009	0.010	0.009	0.009	0.009	0.009	6.46
50)	S	Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.43
51)	T	4-Methyl-2-Pen...	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.52
52)	CM	Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8.03#
53)	T	t-1,3-Dichloro...	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.30
54)	T	cis-1,3-Dichlo...	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.80
55)	T	1,1,2-Trichlor...	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.63
56)	T	Ethyl methacry...	0.396	0.500	0.562	0.570	0.577	0.586	0.532	13.74

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X022825W.M

57)	T	1,3-Dichloropr...	0.560	0.623	0.643	0.620	0.597	0.588	0.605	4.90
58)	T	2-Chloroethyl ...	0.218	0.239	0.271	0.284	0.273	0.270	0.259	9.71
59)	T	2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.08
60)	T	Dibromochlorom...	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9.01
61)	T	1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.73
62)	S	4-Bromofluorob...		0.383	0.393	0.402	0.410	0.421	0.402	3.67
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.33
65)	PM	Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.68
66)	T	1,1,1,2-Tetrac...	0.337	0.331	0.357	0.356	0.372	0.362	0.352	4.39
67)	C	Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.11#
68)	T	m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.27
69)	T	o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.52
70)	T	Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.75
71)	P	Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.94
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.79
74)	T	N-amyl acetate	1.349	1.578	1.890	1.977	2.078	2.116	1.831	16.62
75)	P	1,1,2,2-Tetrac...	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.60
76)	T	1,2,3-Trichlor...	1.181	1.201	1.193	1.147	1.131	1.130	1.164	2.73
77)	T	Bromobenzene	0.899	0.947	0.939	0.939	0.910	0.891	0.921	2.57
78)	T	n-propylbenzene	3.451	4.375	4.577	4.805	4.696	4.548	4.409	11.14
79)	T	2-Chlorotoluene	2.788	2.888	2.828	2.869	2.770	2.702	2.808	2.45
80)	T	1,3,5-Trimethy...	2.611	3.211	3.373	3.384	3.224	3.131	3.156	9.01
81)	T	trans-1,4-Dich...		0.268	0.313	0.339	0.376	0.405	0.340	15.78
82)	T	4-Chlorotoluene	2.800	3.015	3.078	3.234	3.140	3.092	3.060	4.80
83)	T	tert-Butylbenzene	3.029	3.256	3.342	3.375	3.292	3.160	3.242	3.96
84)	T	1,2,4-Trimethy...	2.646	3.202	3.380	3.378	3.258	3.188	3.175	8.57
85)	T	sec-Butylbenzene	3.000	3.847	4.137	4.215	4.125	3.978	3.884	11.65
86)	T	p-Isopropyltol...	2.511	2.986	3.266	3.424	3.369	3.275	3.139	10.91
87)	T	1,3-Dichlorobe...	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.40
88)	T	1,4-Dichlorobe...	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.06
89)	T	n-Butylbenzene	1.905	2.359	2.788	3.013	3.099	3.057	2.703	17.67
90)	T	Hexachloroethane	0.470	0.498	0.568	0.605	0.633	0.633	0.568	12.30
91)	T	1,2-Dichlorobe...	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.50
92)	T	1,2-Dibromo-3-...	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.64
93)	T	1,2,4-Trichlor...	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.32
94)	T	Hexachlorobuta...	0.356	0.369	0.390	0.392	0.406	0.395	0.385	4.77
95)	T	Naphthalene	2.573	3.115	3.866	3.902	4.091	4.082	3.605	17.21
96)	T	1,2,3-Trichlor...	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.23

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	102761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	159886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#		
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#		
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#		
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1282	1.007	ug/l	90
3) Chloromethane	1.301	50	1552	0.975	ug/l	91
4) Vinyl Chloride	1.368	62	1588	1.008	ug/l #	85
6) Chloroethane	1.673	64	766m	0.992	ug/l	
7) Trichlorofluoromethane	1.880	101	2011	0.957	ug/l	97
8) Diethyl Ether	2.130	74	835	1.045	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.319	101	1081	0.884	ug/l	87
12) 1,1-Dichloroethene	2.313	96	1251	0.991	ug/l	92
14) Allyl chloride	2.660	41	2343	1.055	ug/l	93
15) Acrylonitrile	3.075	53	4067	4.931	ug/l	99
16) Acetone	2.380	43	4259	5.635	ug/l	100
17) Carbon Disulfide	2.502	76	3256	0.956	ug/l #	92
18) Methyl Acetate	2.703	43	1960	1.066	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	4017	0.943	ug/l	91
20) Methylene Chloride	2.782	84	1656	1.095	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	1109	0.869	ug/l	91
22) Diisopropyl ether	3.764	45	4026	0.871	ug/l #	80
23) Vinyl Acetate	3.727	43	15271	3.971	ug/l	97
24) 1,1-Dichloroethane	3.605	63	2467	0.958	ug/l #	83
25) 2-Butanone	4.587	43	4894	4.252	ug/l	96
26) 2,2-Dichloropropane	4.471	77	1066	0.872	ug/l #	56
27) cis-1,2-Dichloroethene	4.501	96	1412	0.902	ug/l #	19
28) Bromochloromethane	4.885	49	1144	0.958	ug/l #	54
29) Tetrahydrofuran	5.032	42	3719	4.809	ug/l #	34
30) Chloroform	5.093	83	2478	0.978	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	1867	0.893	ug/l #	52
36) 1,1-Dichloropropene	5.690	75	1681	0.967	ug/l #	84
37) Ethyl Acetate	4.739	43	2223m	0.988	ug/l	
38) Carbon Tetrachloride	5.672	117	1747m	0.987	ug/l	
39) Methylcyclohexane	7.385	83	1750	0.831	ug/l	88
40) Benzene	6.031	78	4984	0.907	ug/l	99
41) Methacrylonitrile	4.958	41	1072m	0.879	ug/l	
42) 1,2-Dichloroethane	6.099	62	1837	0.924	ug/l	78
43) Isopropyl Acetate	6.355	43	2545	0.767	ug/l #	95
44) Trichloroethene	7.129	130	1202	0.933	ug/l	65
45) 1,2-Dichloropropane	7.434	63	1334	0.971	ug/l #	82

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.586	93	891	0.897	ug/l		92
47) Bromodichloromethane	7.818	83	1802	0.927	ug/l	#	85
48) Methyl methacrylate	7.714	41	1328m	0.825	ug/l		
49) 1,4-Dioxane	7.684	88	639	18.144	ug/l	#	81
51) 4-Methyl-2-Pentanone	8.574	43	10091	4.567	ug/l		95
52) Toluene	8.720	92	2700	0.841	ug/l		97
53) t-1,3-Dichloropropene	8.994	75	1147	0.700	ug/l	#	85
54) cis-1,3-Dichloropropene	8.373	75	1525	0.804	ug/l	#	90
55) 1,1,2-Trichloroethane	9.153	97	1306	1.004	ug/l	#	90
56) Ethyl methacrylate	9.135	69	1494	0.748	ug/l	#	93
57) 1,3-Dichloropropane	9.311	76	2112	0.920	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.251	63	4115	4.320	ug/l		95
59) 2-Hexanone	9.439	43	6582	4.153	ug/l		96
60) Dibromochloromethane	9.519	129	1152	0.835	ug/l		98
61) 1,2-Dibromoethane	9.610	107	1174	0.890	ug/l		97
64) Tetrachloroethene	9.275	164	1006	0.986	ug/l	#	88
65) Chlorobenzene	10.080	112	3094	0.908	ug/l		90
66) 1,1,1,2-Tetrachloroethane	10.159	131	1078	0.978	ug/l	#	65
67) Ethyl Benzene	10.195	91	5008	0.846	ug/l	#	85
68) m/p-Xylenes	10.305	106	3552	1.630	ug/l		97
69) o-Xylene	10.640	106	1949	0.891	ug/l		95
70) Styrene	10.665	104	2810	0.802	ug/l		97
71) Bromoform	10.799	173	667	0.768	ug/l	#	92
73) Isopropylbenzene	10.964	105	4405	0.858	ug/l		96
74) N-amyl acetate	10.854	43	1750	0.732	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	1809	0.954	ug/l		88
76) 1,2,3-Trichloropropane	11.244	75	1531m	1.015	ug/l		
77) Bromobenzene	11.201	156	1166	0.972	ug/l		91
78) n-propylbenzene	11.305	91	4475	0.773	ug/l		97
79) 2-Chlorotoluene	11.366	91	3616	0.986	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	3386	0.815	ug/l		94
82) 4-Chlorotoluene	11.457	91	3631	0.904	ug/l		99
83) tert-Butylbenzene	11.713	119	3928	0.929	ug/l		96
84) 1,2,4-Trimethylbenzene	11.756	105	3432	0.827	ug/l		95
85) sec-Butylbenzene	11.890	105	3891	0.752	ug/l		100
86) p-Isopropyltoluene	12.012	119	3257	0.797	ug/l		94
87) 1,3-Dichlorobenzene	11.976	146	1948	0.913	ug/l		96
88) 1,4-Dichlorobenzene	12.043	146	2082m	0.962	ug/l		
89) n-Butylbenzene	12.335	91	2470	0.691	ug/l		93
90) Hexachloroethane	12.536	117	609	0.805	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	1918	0.890	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	308	0.859	ug/l		82
93) 1,2,4-Trichlorobenzene	13.591	180	866	0.706	ug/l		93
94) Hexachlorobutadiene	13.725	225	462	0.917	ug/l		94
95) Naphthalene	13.780	128	3337	0.707	ug/l	#	94
96) 1,2,3-Trichlorobenzene	13.963	180	969	0.759	ug/l		93

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

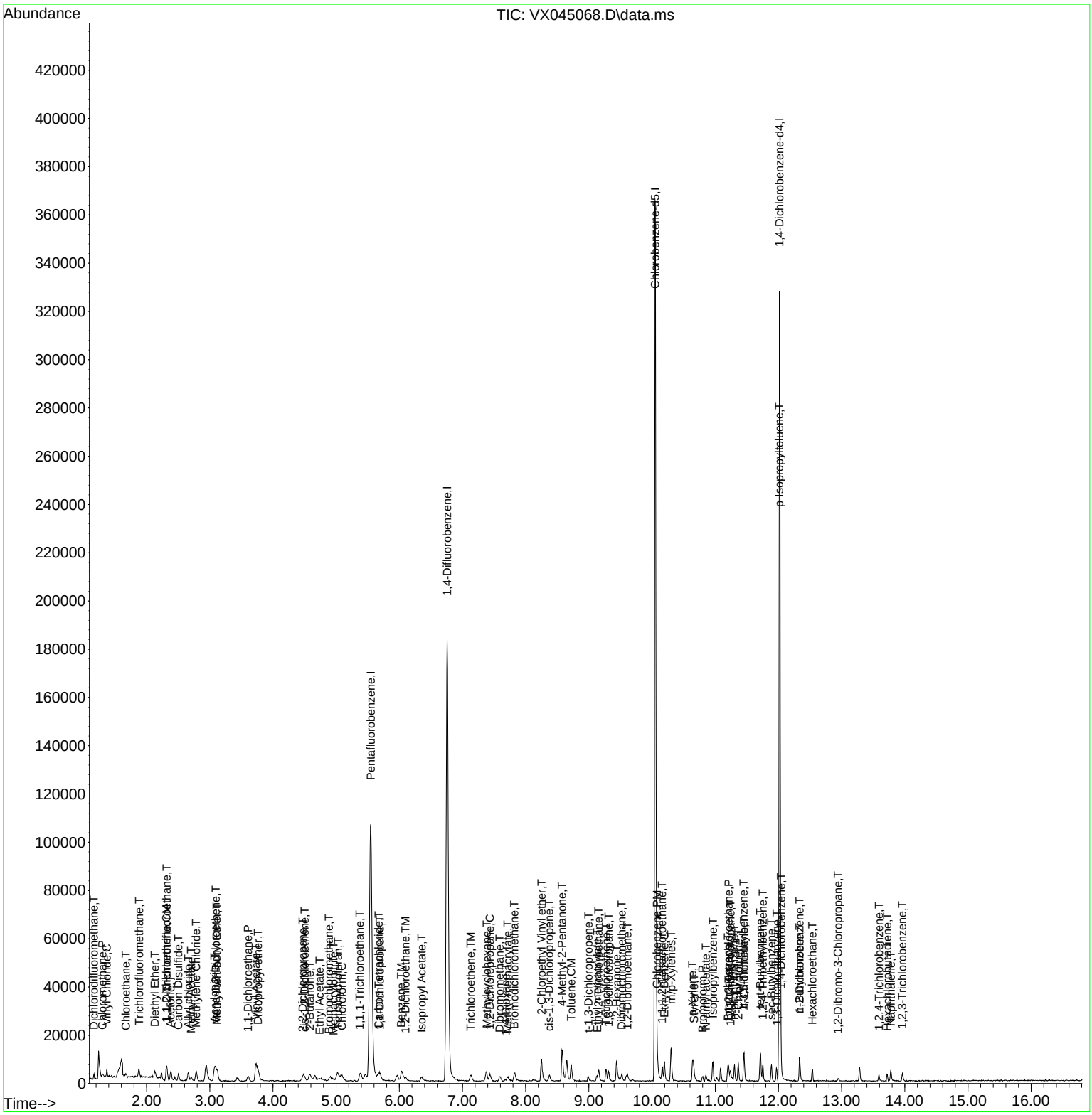
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

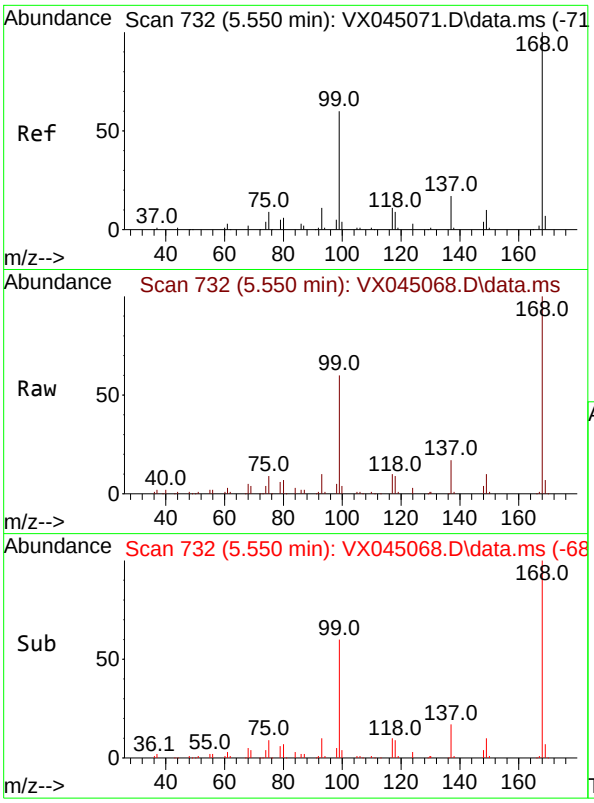
Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

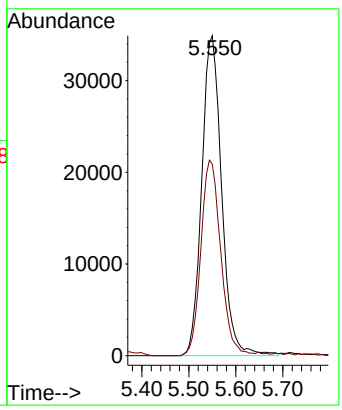




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:168 Resp: 10276

Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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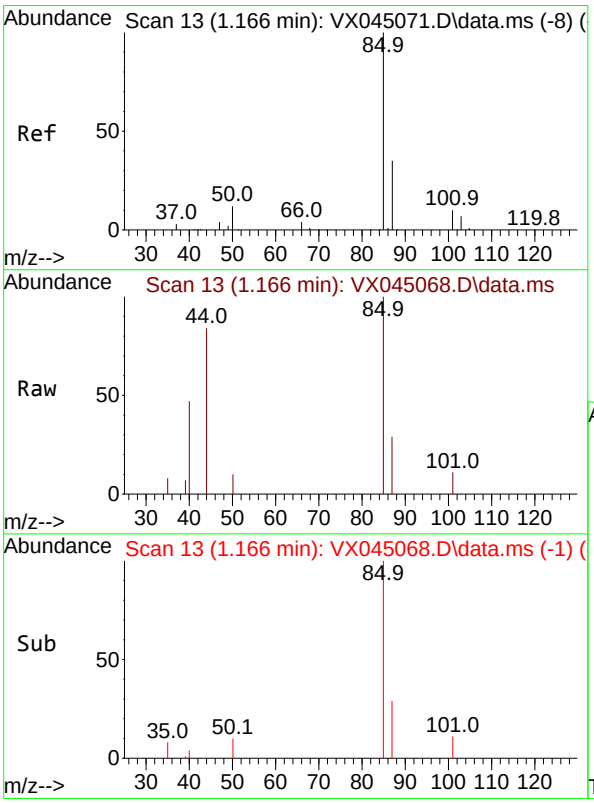
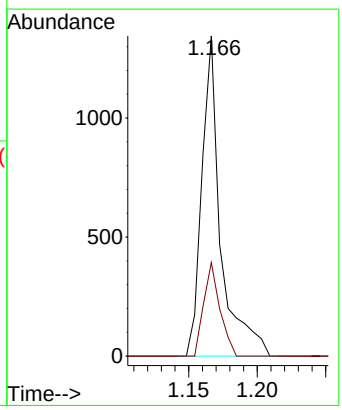
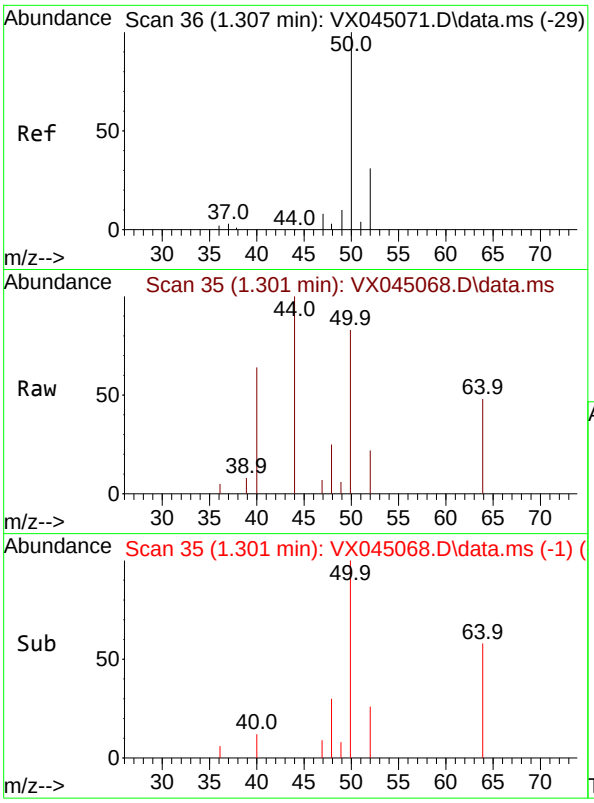


#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282

Ion	Ratio	Lower	Upper
85	100		
87	29.2	17.4	52.3

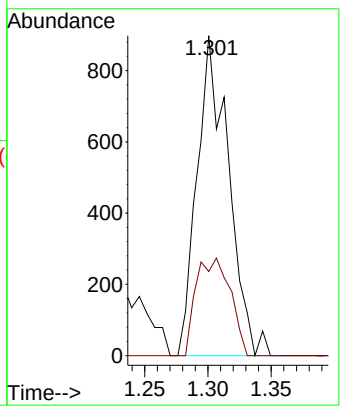




#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 50 Resp: 155

Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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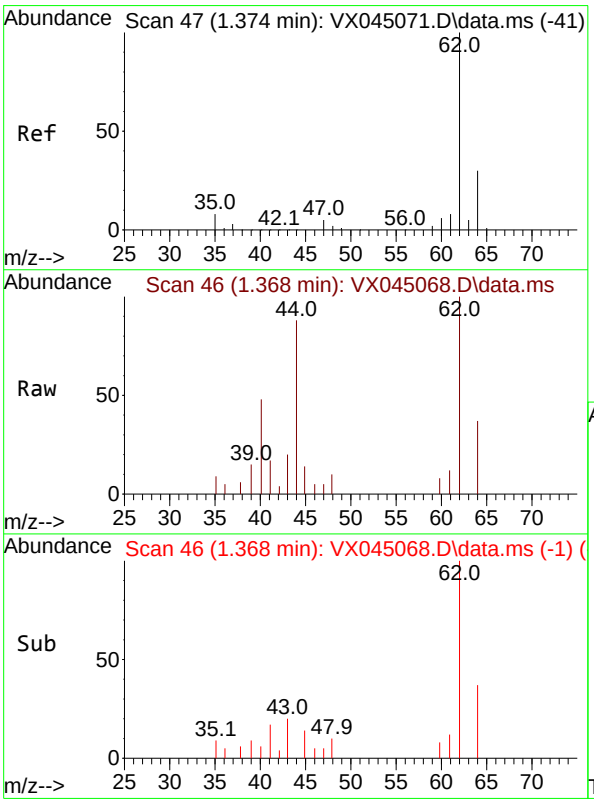
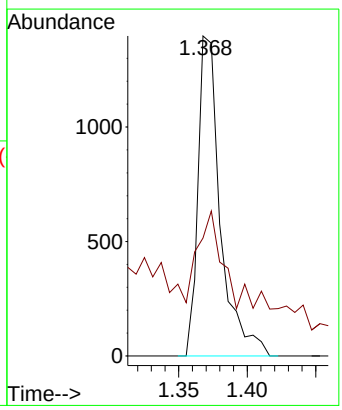
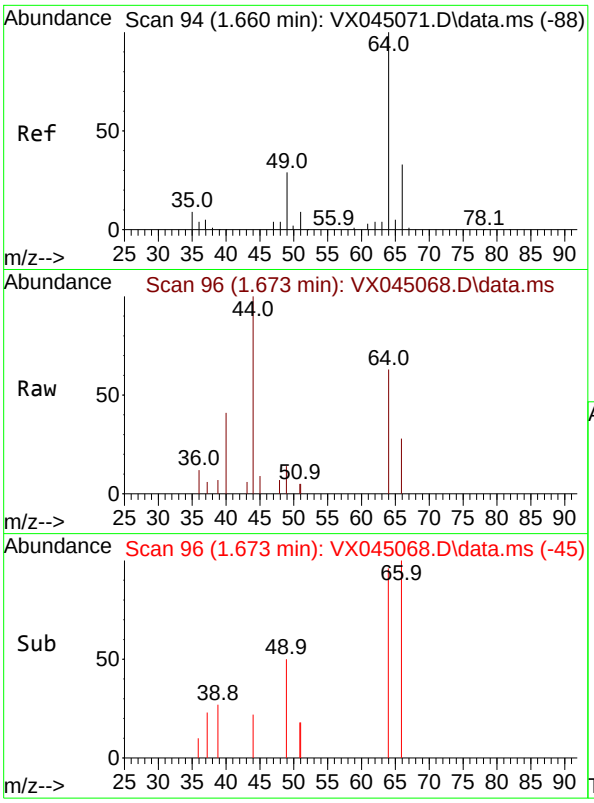


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1588

Ion	Ratio	Lower	Upper
62	100		
64	22.0	24.3	36.5#

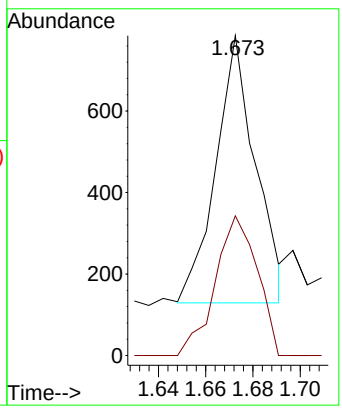




#6
Chloroethane
Concen: 0.992 ug/l m
RT: 1.673 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 76

Ion	Ratio	Lower	Upper
64	100		
66	43.7	26.7	40.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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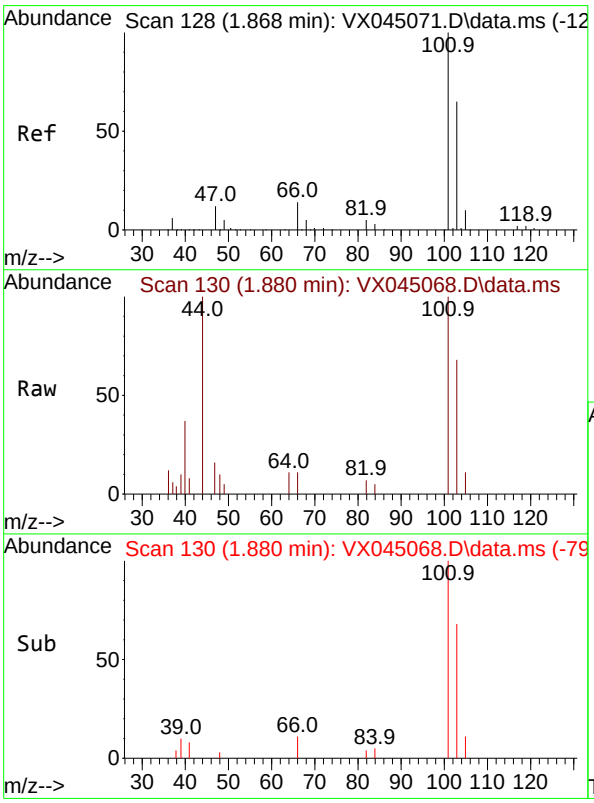
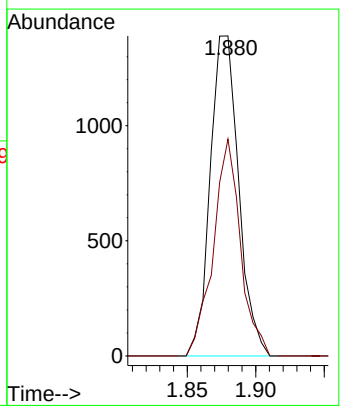
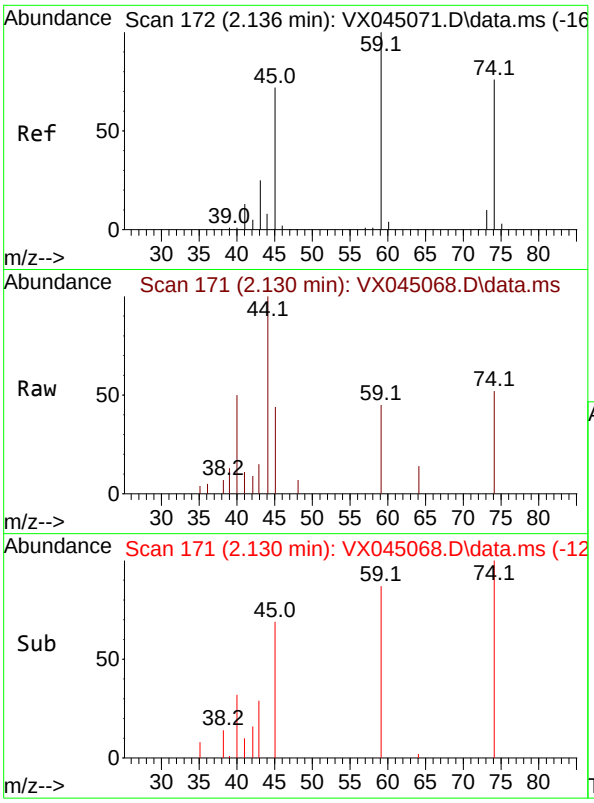


#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:101 Resp: 2011

Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.1	78.1





#8
Diethyl Ether
Concen: 1.045 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 74 Resp: 83

Ion	Ratio	Lower	Upper
74	100		
45	123.5	51.5	154.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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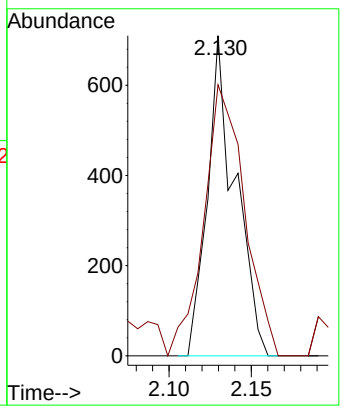
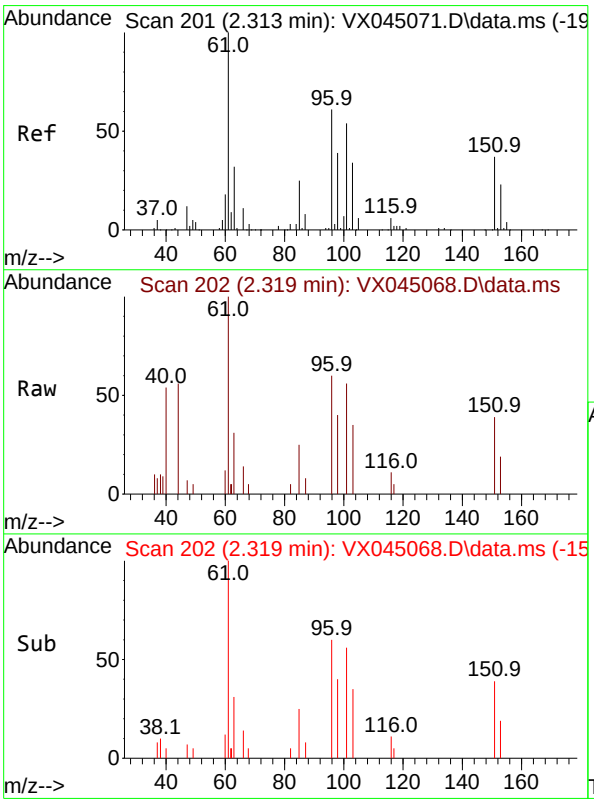
Supervised By :Mahesh Dadoda 02/28/2025

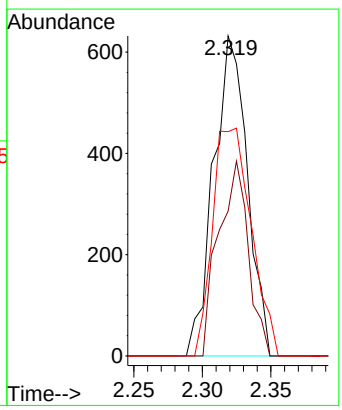


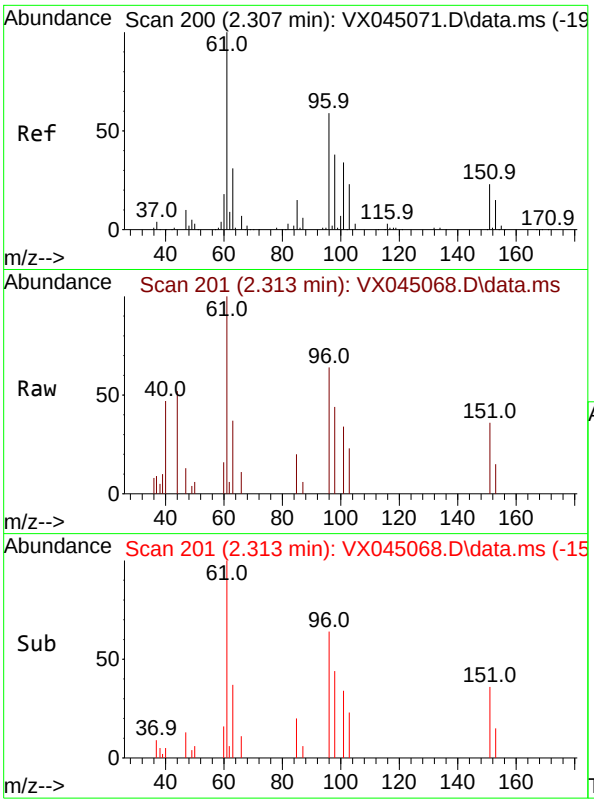


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:101 Resp: 1081

Ion	Ratio	Lower	Upper
101	100		
85	53.7	36.2	54.4
151	81.9	56.4	84.6

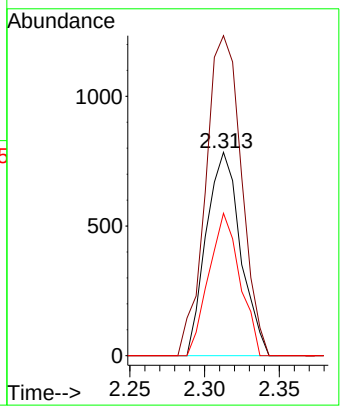




#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 125

Ion	Ratio	Lower	Upper
96	100		
61	157.4	134.6	202.0
98	70.0	51.0	76.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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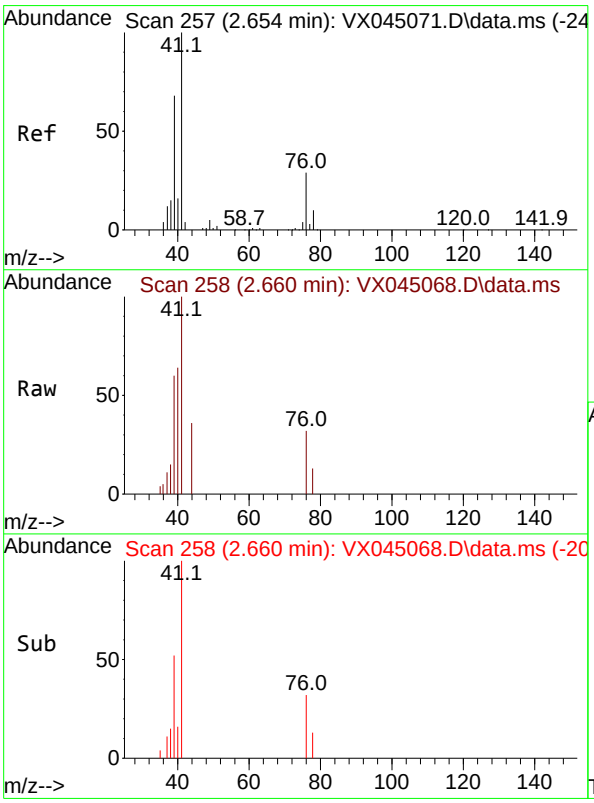
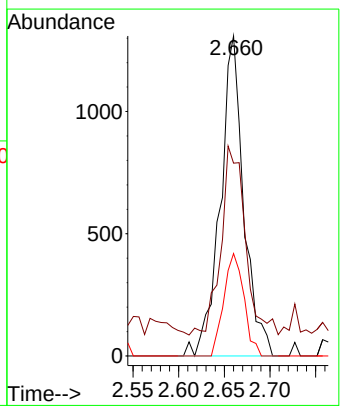
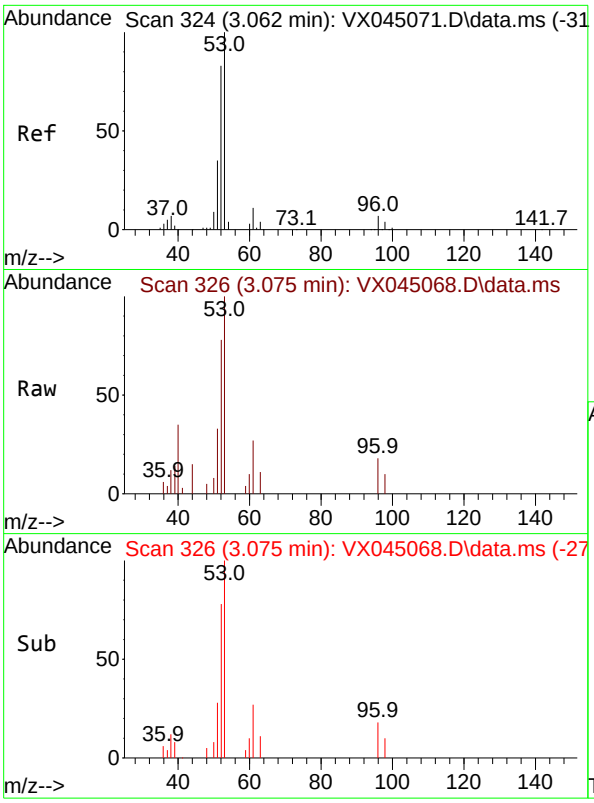


#14
Allyl chloride
Concen: 1.055 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 2343

Ion	Ratio	Lower	Upper
41	100		
39	62.3	53.8	80.8
76	27.4	25.2	37.8





#15
Acrylonitrile
Concen: 4.931 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 53 Resp: 406

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	34.6	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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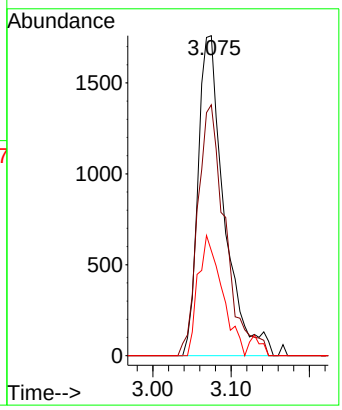
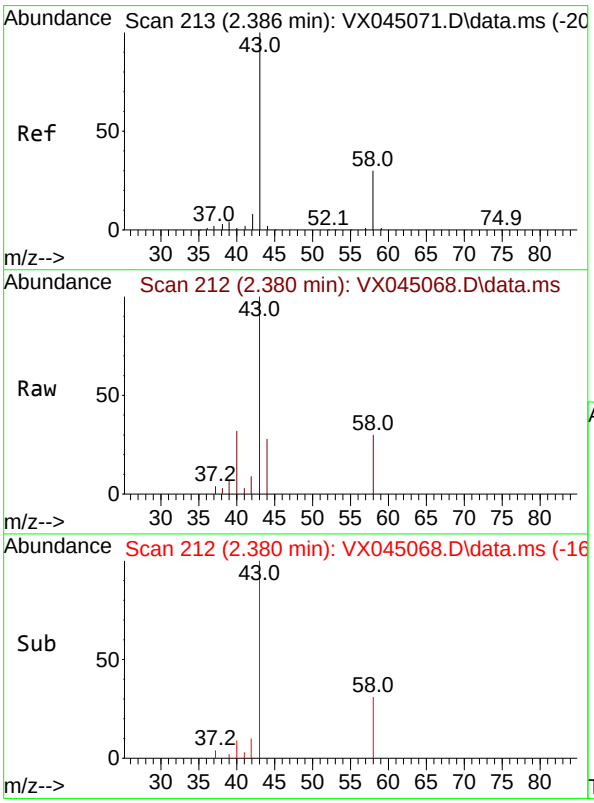
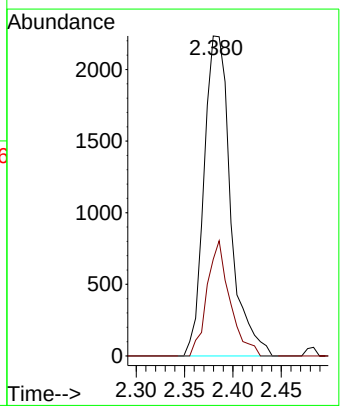


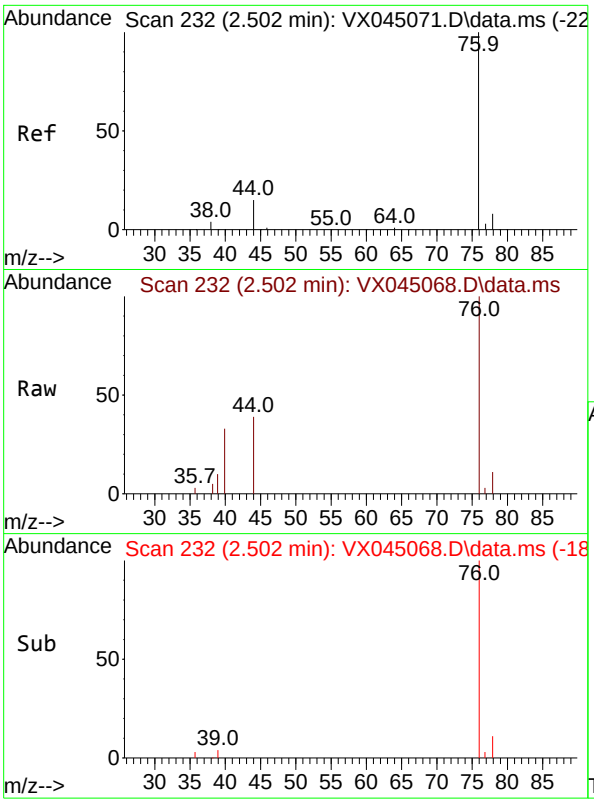


#16
Acetone
Concen: 5.635 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 4259

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4





#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 76 Resp: 325

Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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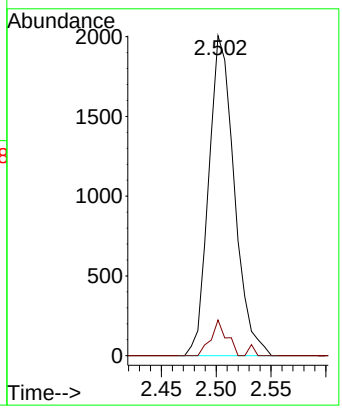
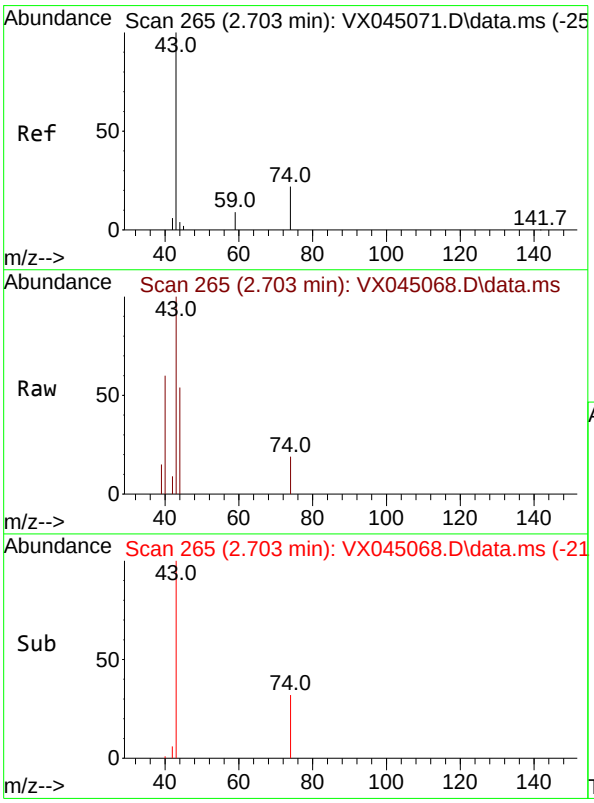
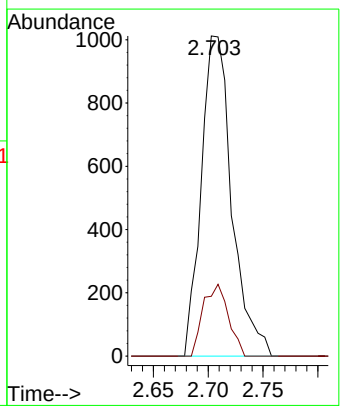


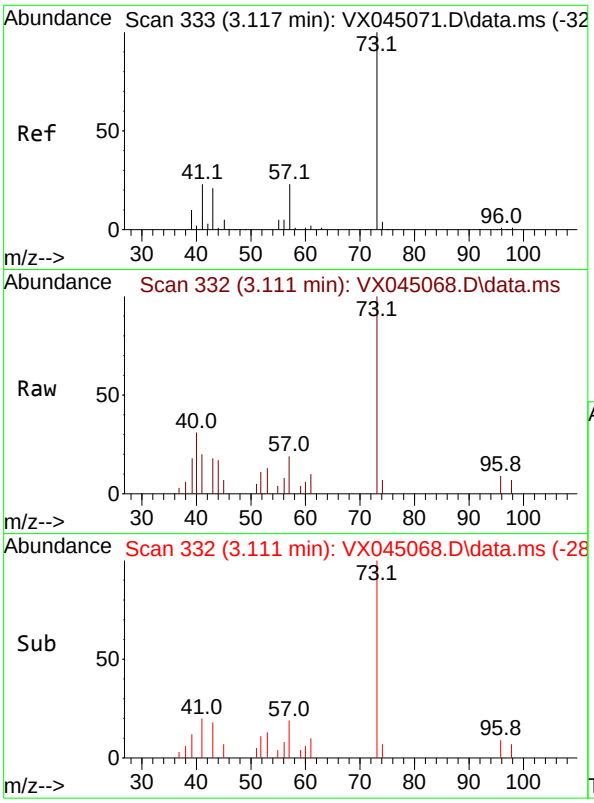


#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1960

Ion	Ratio	Lower	Upper
43	100		
74	18.5	17.4	26.2

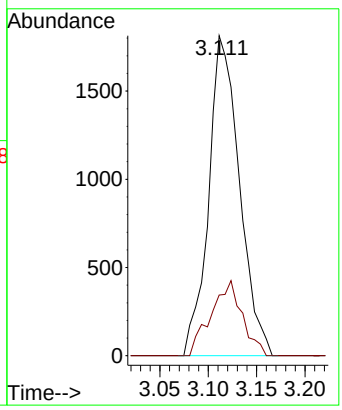




#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 73 Resp: 401

Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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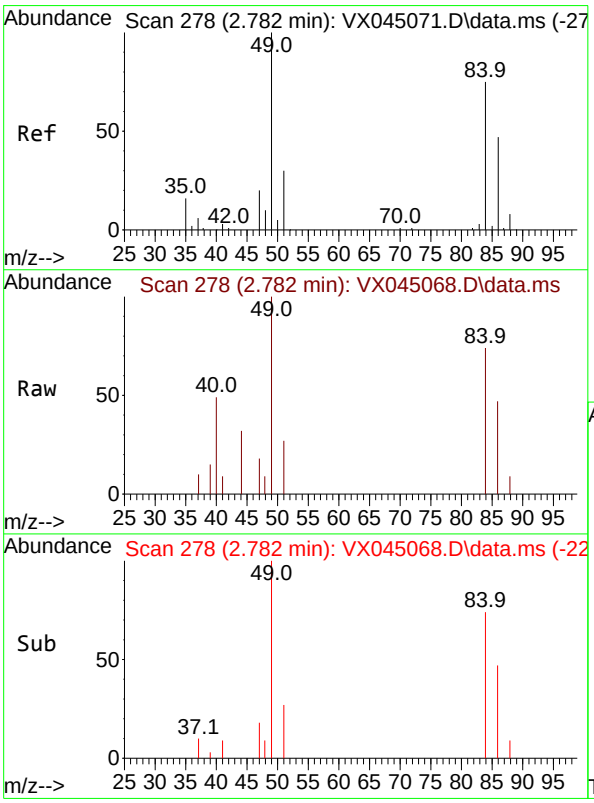
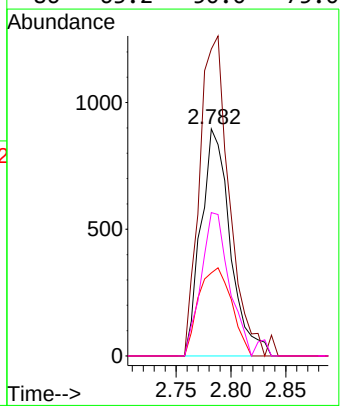
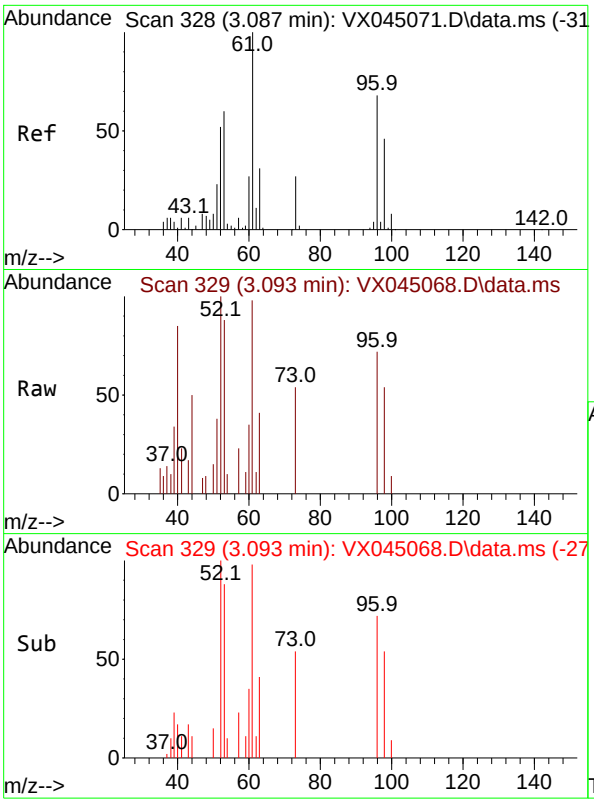


#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 84 Resp: 1656

Ion	Ratio	Lower	Upper
84	100		
49	135.2	106.5	159.7
51	36.6	32.1	48.1
86	63.2	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

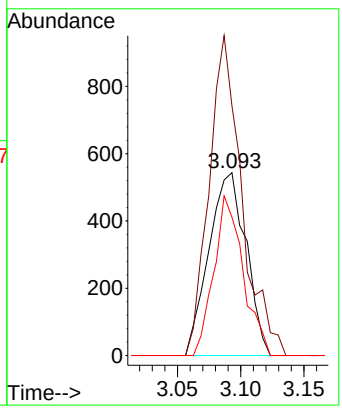
Tgt Ion: 96 Resp: 110

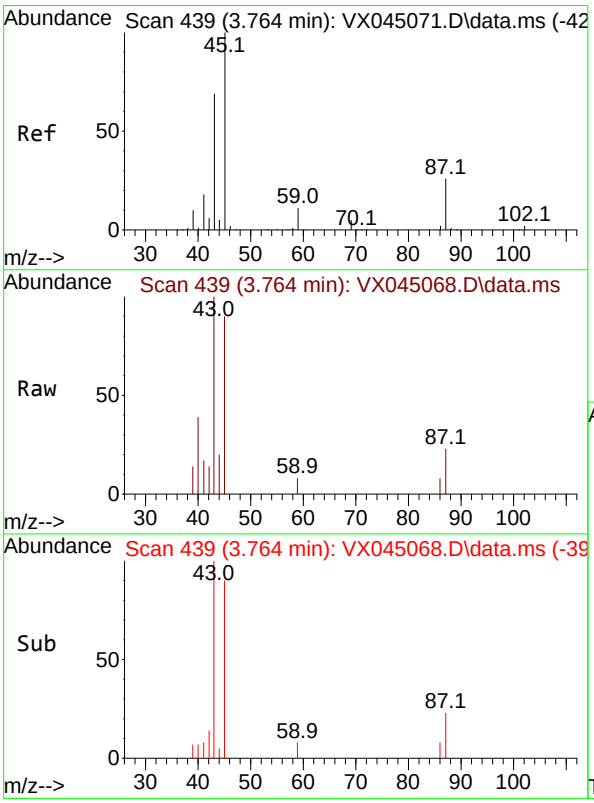
Ion	Ratio	Lower	Upper
96	100		
61	136.4	117.0	175.4
98	75.6	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

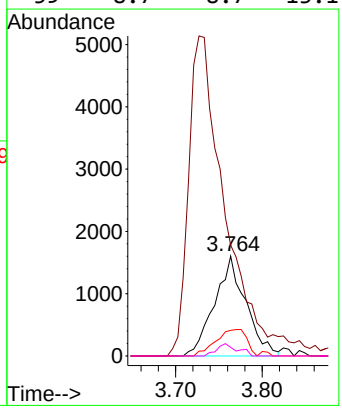


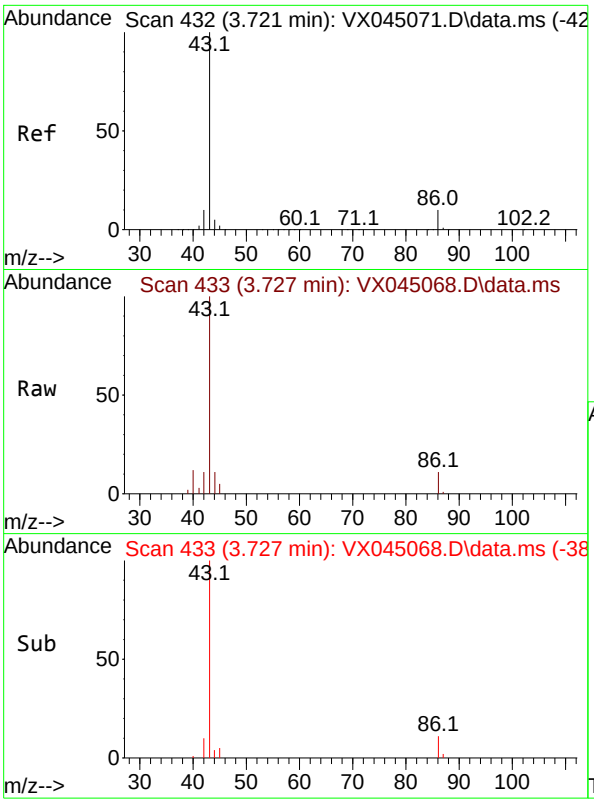


#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 45 Resp: 4026

Ion	Ratio	Lower	Upper
45	100		
43	91.9	54.9	82.3#
87	25.6	21.0	31.4
59	8.7	8.7	13.1





#23
Vinyl Acetate
Concen: 3.971 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1527

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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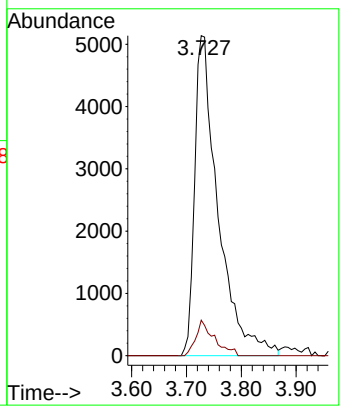
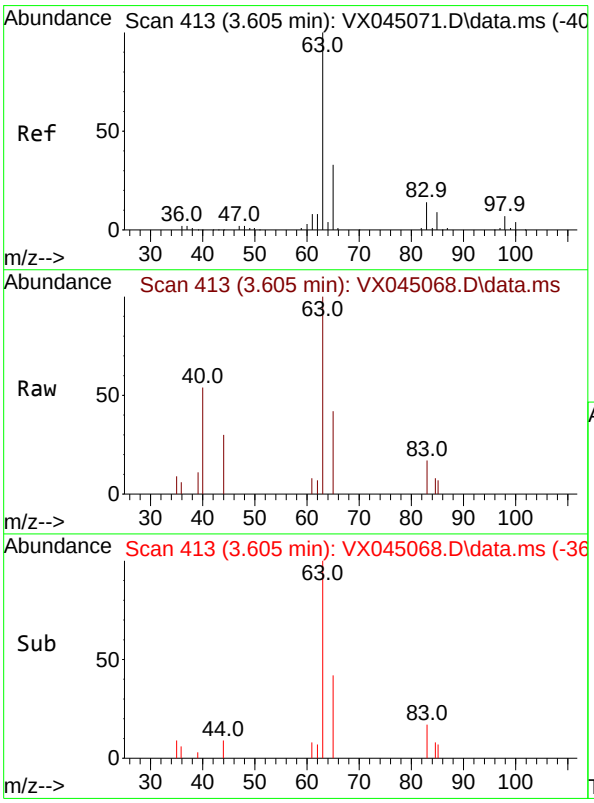
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

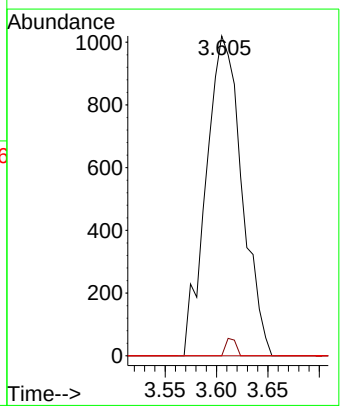


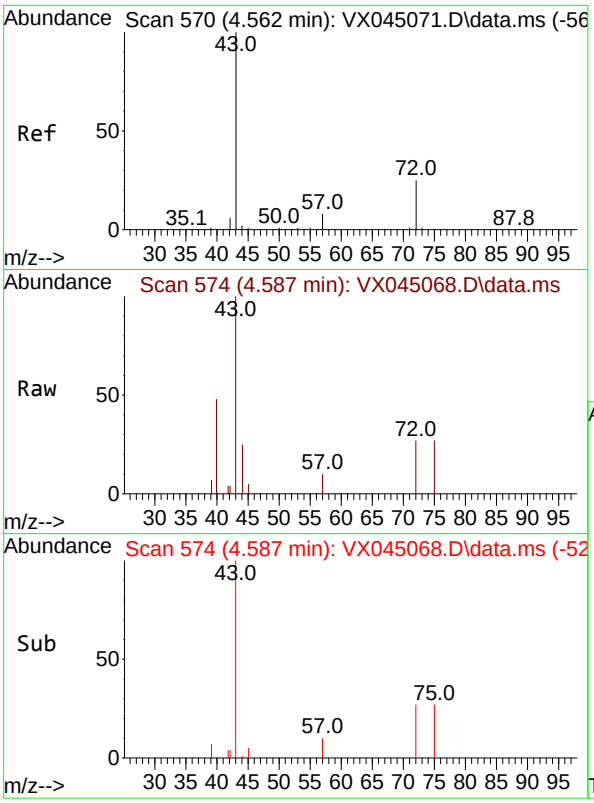


#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 2467

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#





#25
2-Butanone
Concen: 4.252 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 489

Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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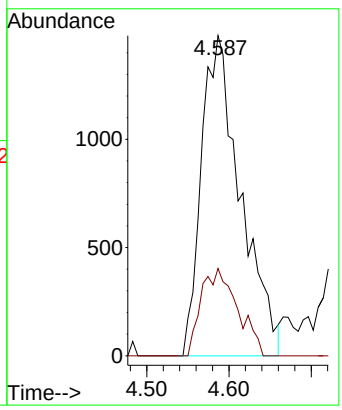
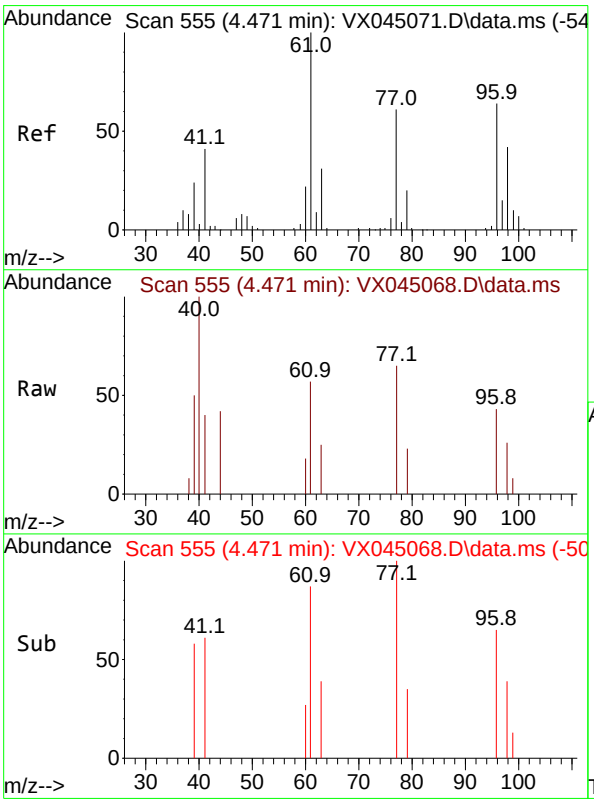
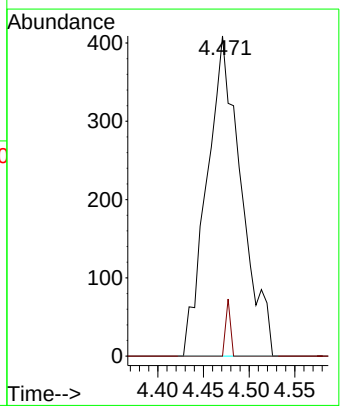


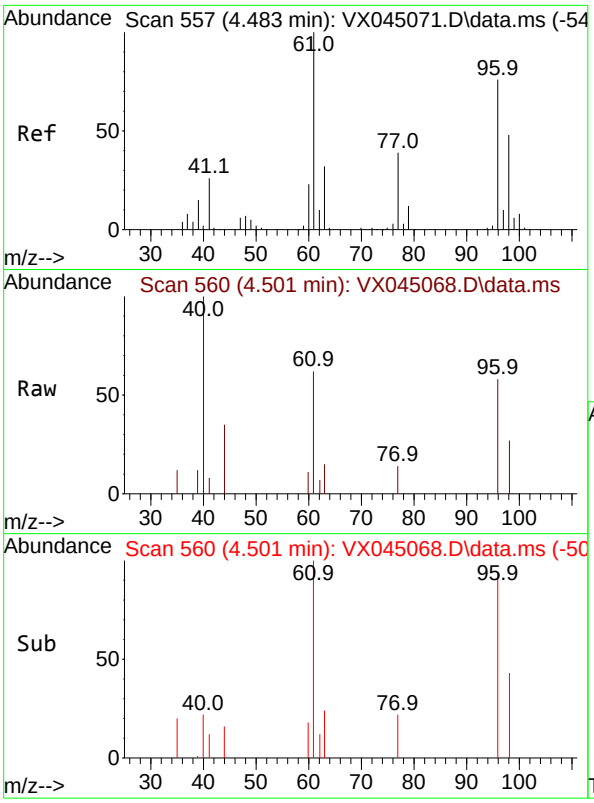


#26
2,2-Dichloropropane
Concen: 0.872 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 77 Resp: 1066

Ion	Ratio	Lower	Upper
77	100		
97	2.5	12.4	37.0#





#27
cis-1,2-Dichloroethene
Concen: 0.902 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 141

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	283.2
98	59.1	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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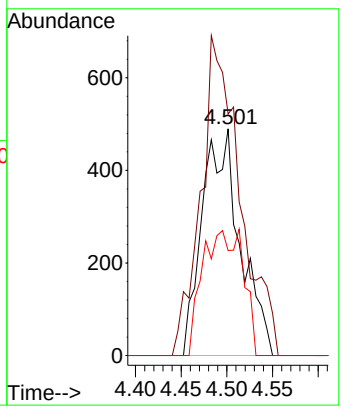
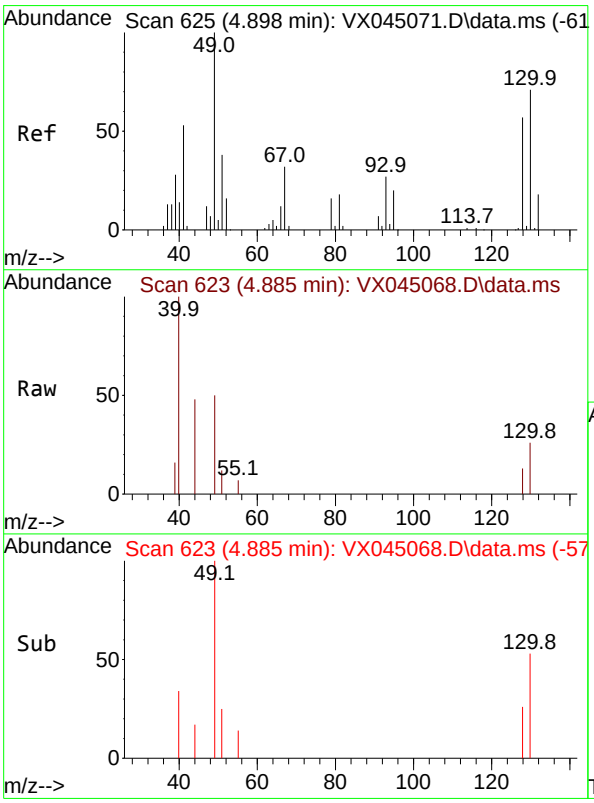
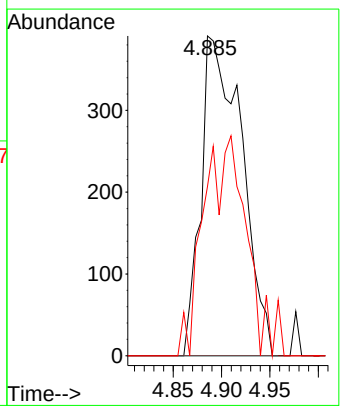


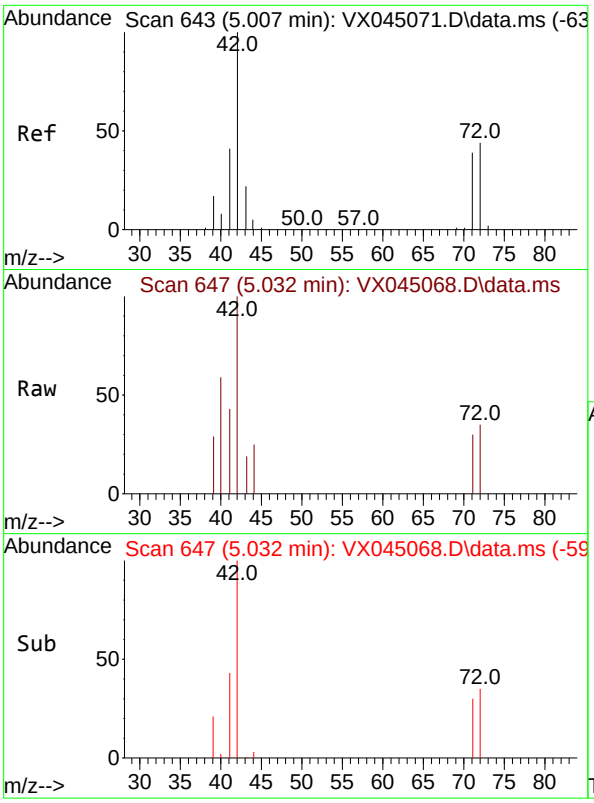


#28
Bromochloromethane
Concen: 0.958 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 49 Resp: 1144

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	31.5	56.1	84.1#





#29
Tetrahydrofuran
Concen: 4.809 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 42 Resp: 3719

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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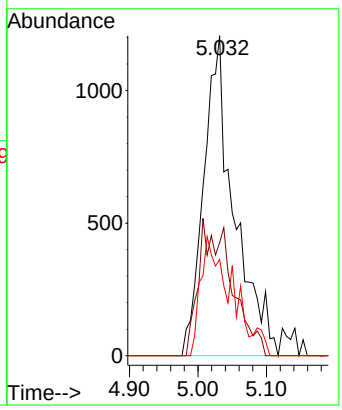
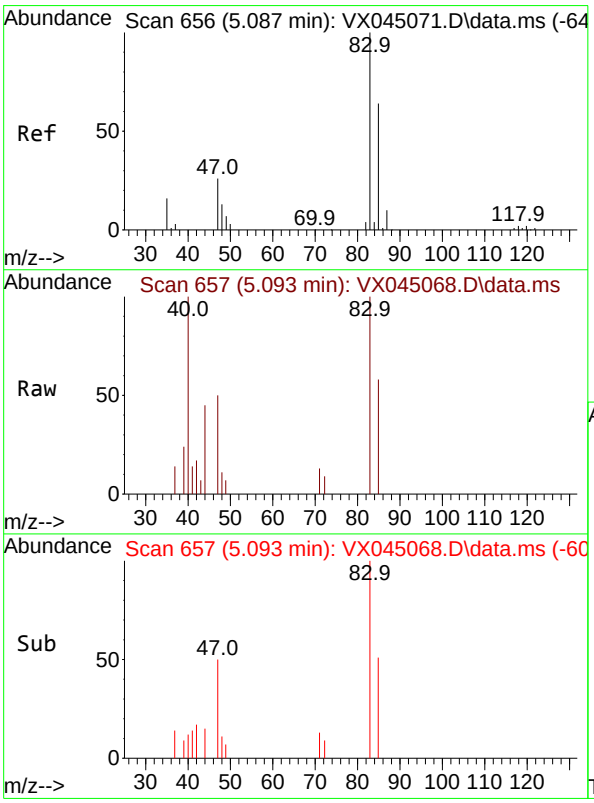
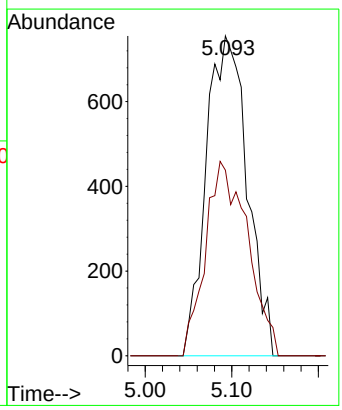


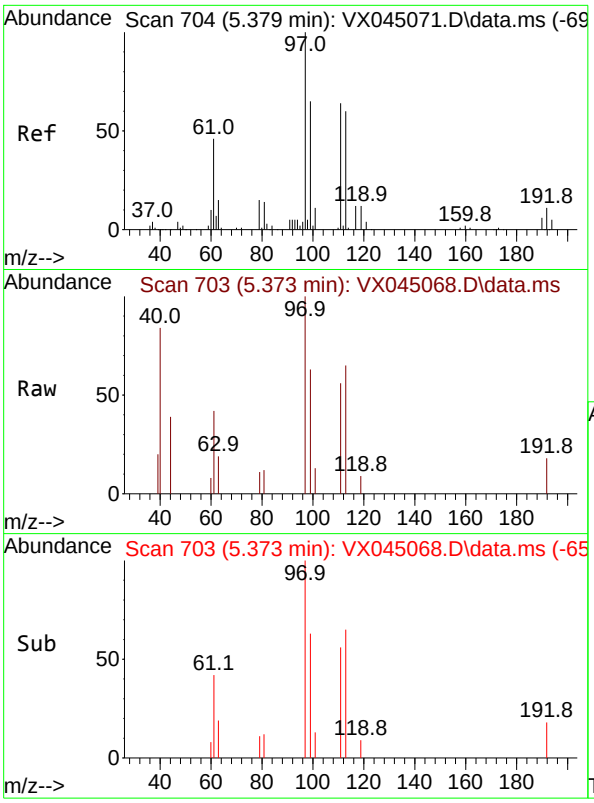


#30
Chloroform
Concen: 0.978 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 2478

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.4	77.2





#32
1,1,1-Trichloroethane
Concen: 0.893 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 97 Resp: 186

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	50.0	38.4	57.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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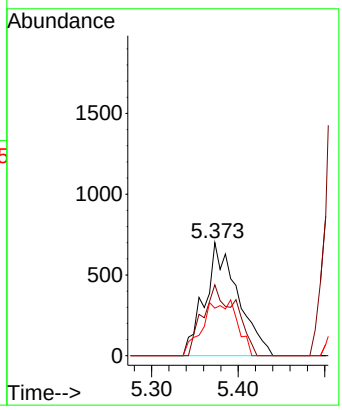
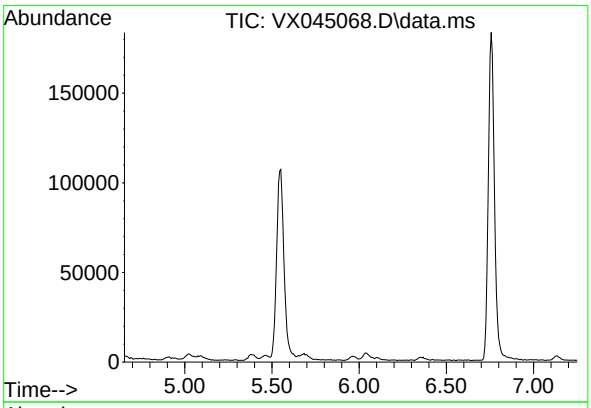


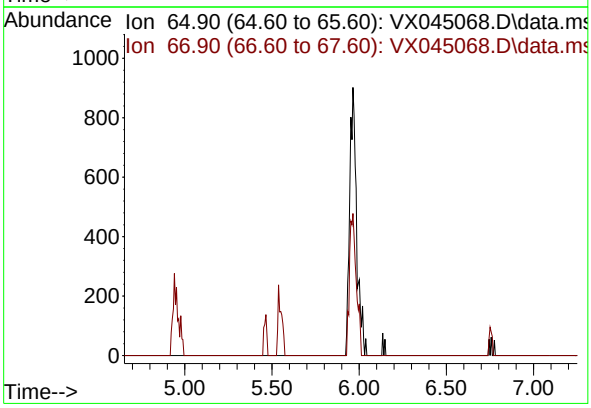


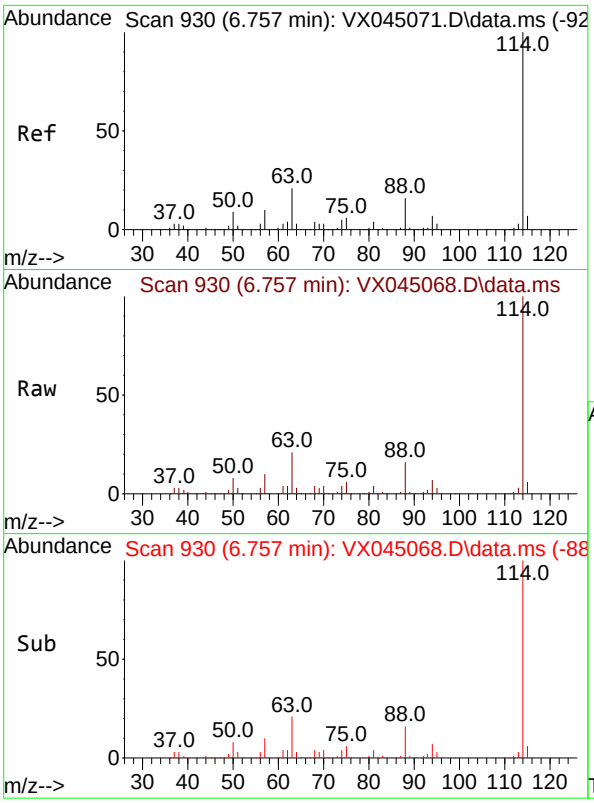
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	53.1





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:114 Resp: 18864

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.8
88	16.0	0.0	32.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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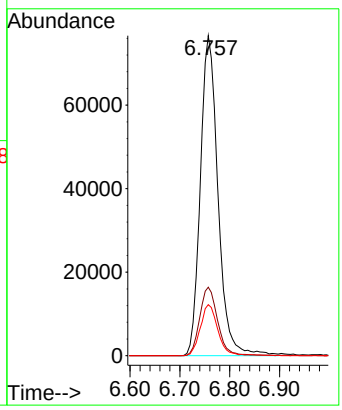
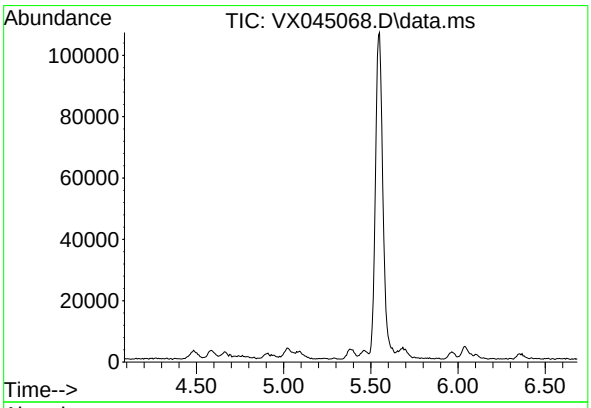


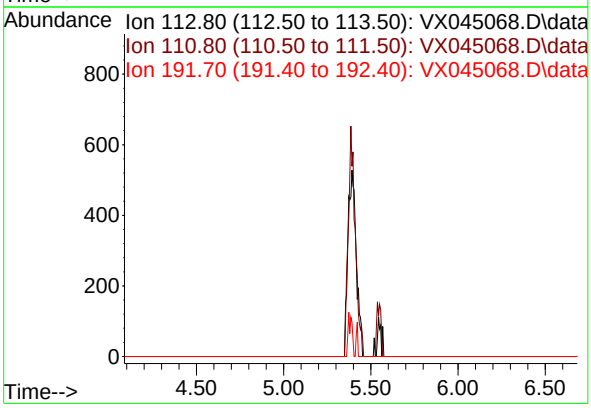


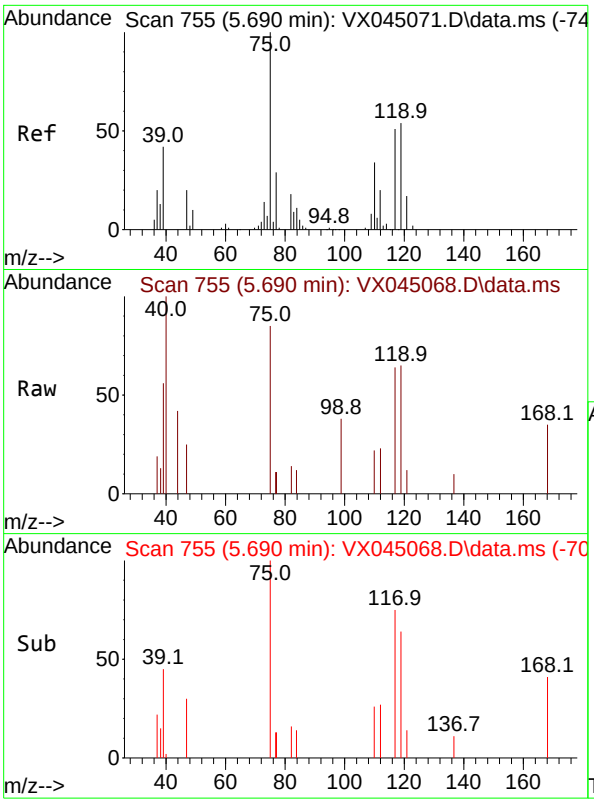
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.39 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	102.2
192	17.9

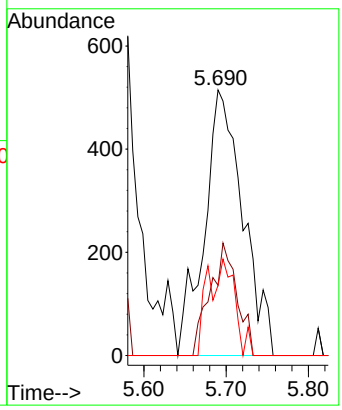




#36
1,1-Dichloropropene
Concen: 0.967 ug/l
RT: 5.690 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 168

Ion	Ratio	Lower	Upper
75	100		
110	29.6	16.9	50.6
77	16.4	24.5	36.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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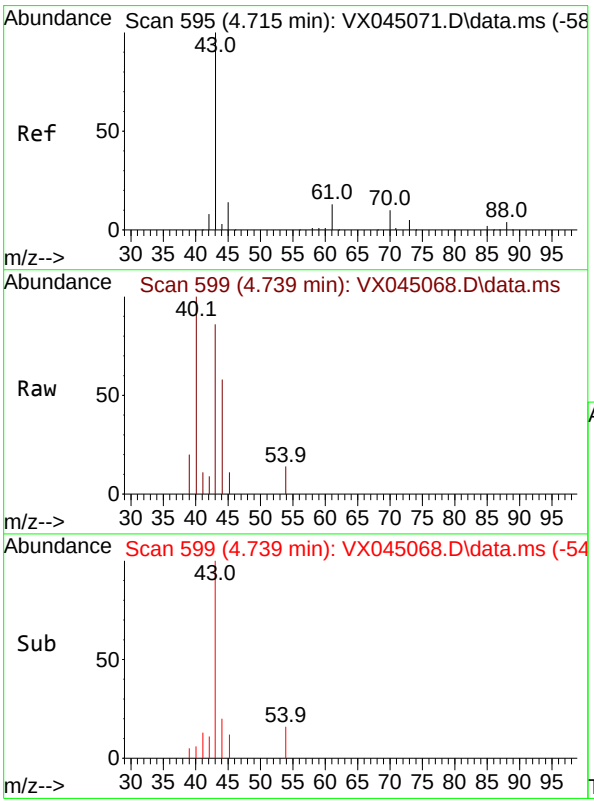
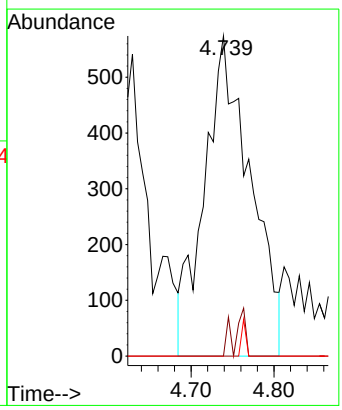
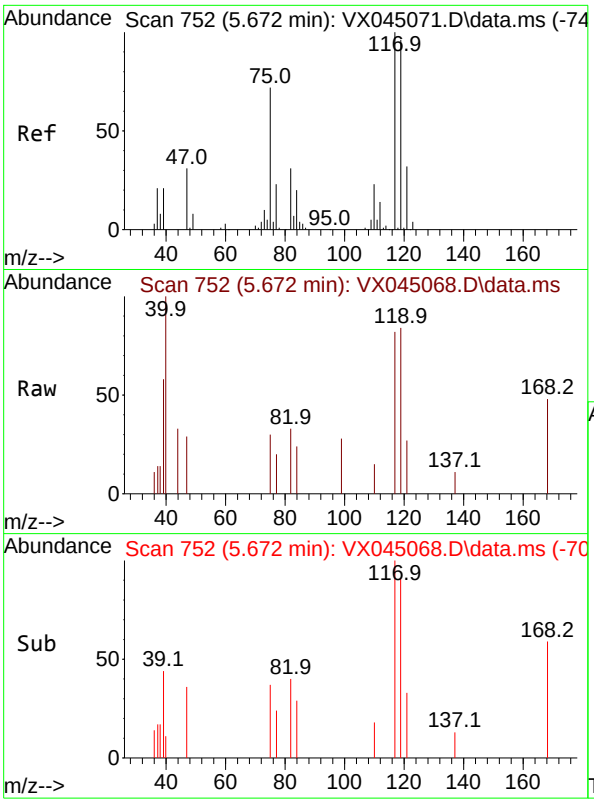


#37
Ethyl Acetate
Concen: 0.988 ug/l m
RT: 4.739 min Scan# 599
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 2223

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.7	11.5#

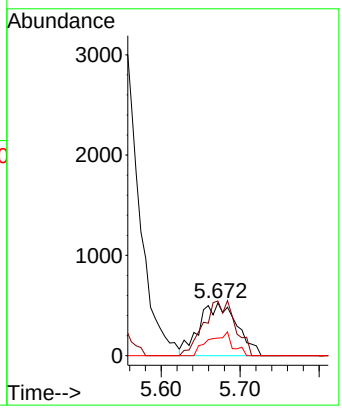




#38
Carbon Tetrachloride
Concen: 0.987 ug/l m
RT: 5.672 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 174

Ion	Ratio	Lower	Upper
117	100		
119	103.4	76.7	115.1
121	33.2	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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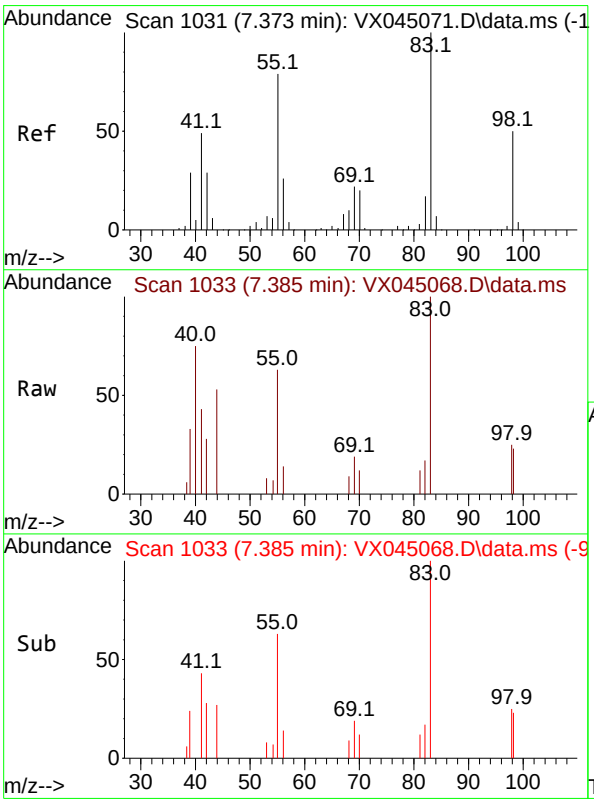
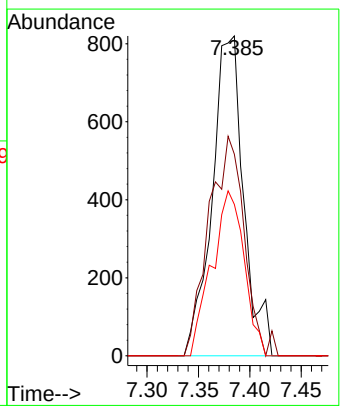
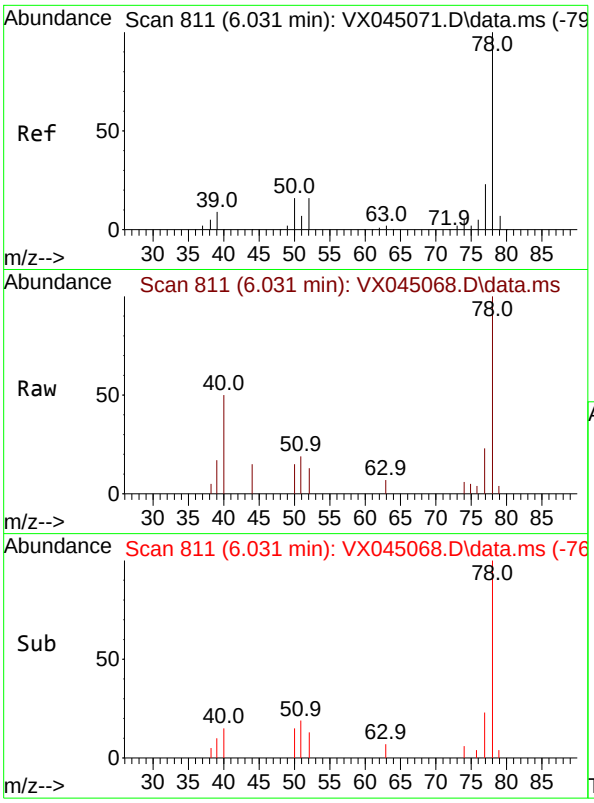


#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1750

Ion	Ratio	Lower	Upper
83	100		
55	63.0	63.0	94.4
98	47.3	39.7	59.5

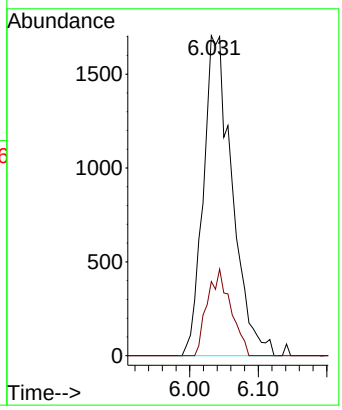




#40
Benzene
Concen: 0.907 ug/l
RT: 6.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 78 Resp: 498

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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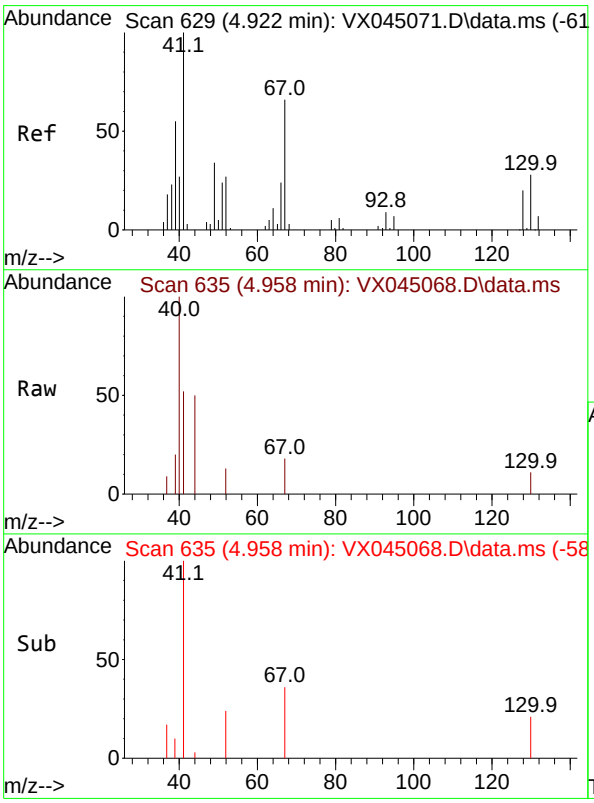
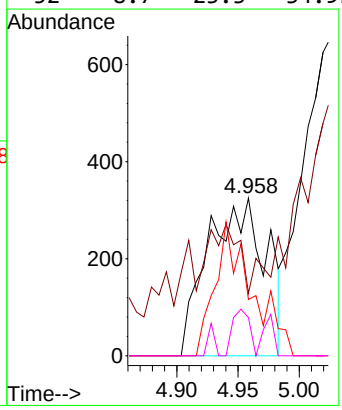
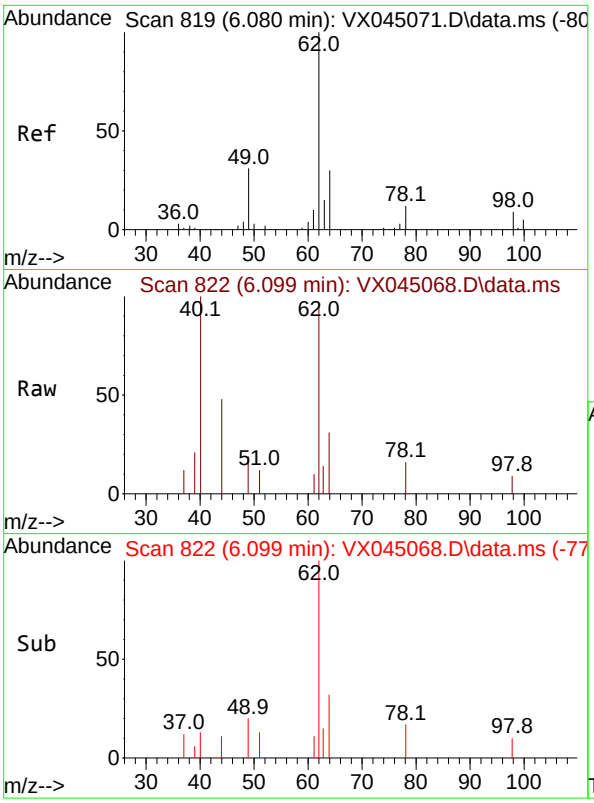


#41
Methacrylonitrile
Concen: 0.879 ug/l m
RT: 4.958 min Scan# 635
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 1072

Ion	Ratio	Lower	Upper
41	100		
39	29.2	44.6	67.0#
67	53.9	53.9	80.9#
52	8.7	23.3	34.9#

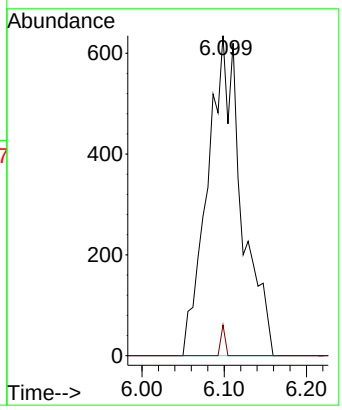




#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 183

Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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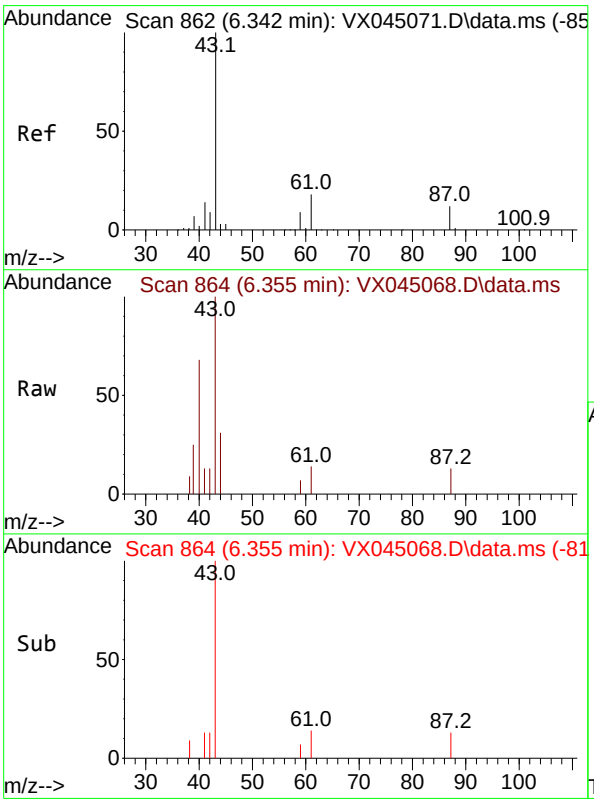
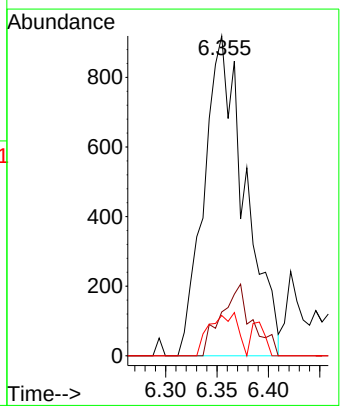
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

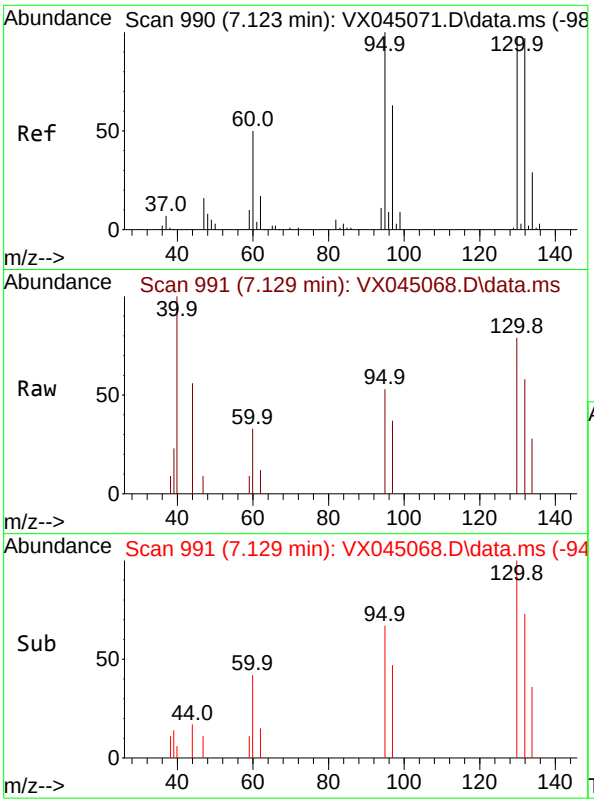


#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 2545

Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.9	22.3
87	9.2	9.4	14.2#





#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:130 Resp: 120

Ion	Ratio	Lower	Upper
130	100		
95	67.0	0.0	205.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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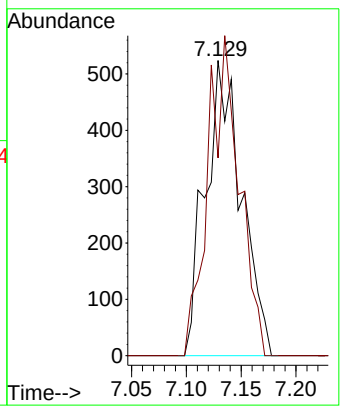
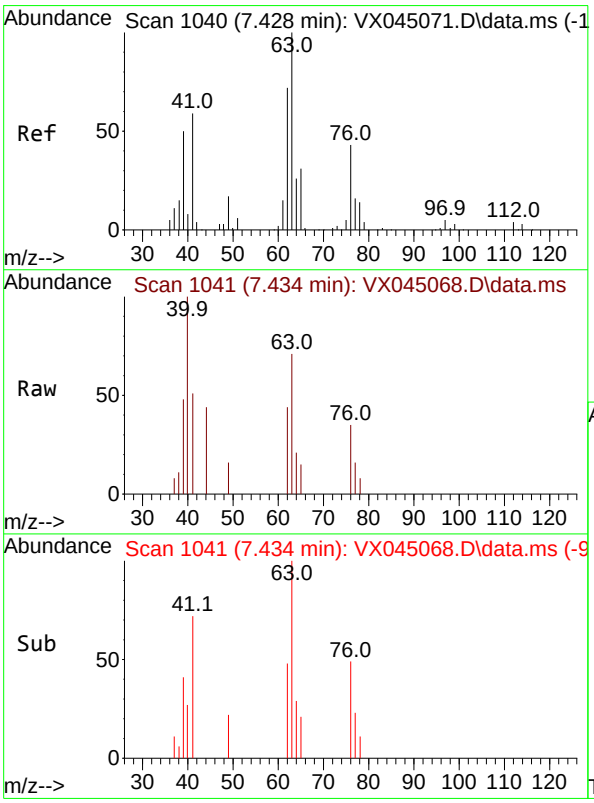
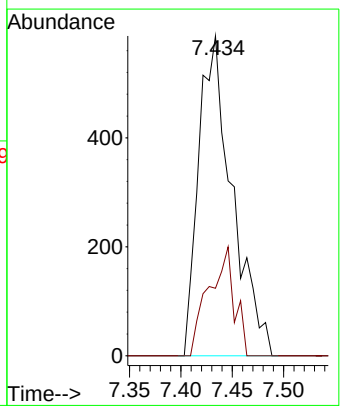


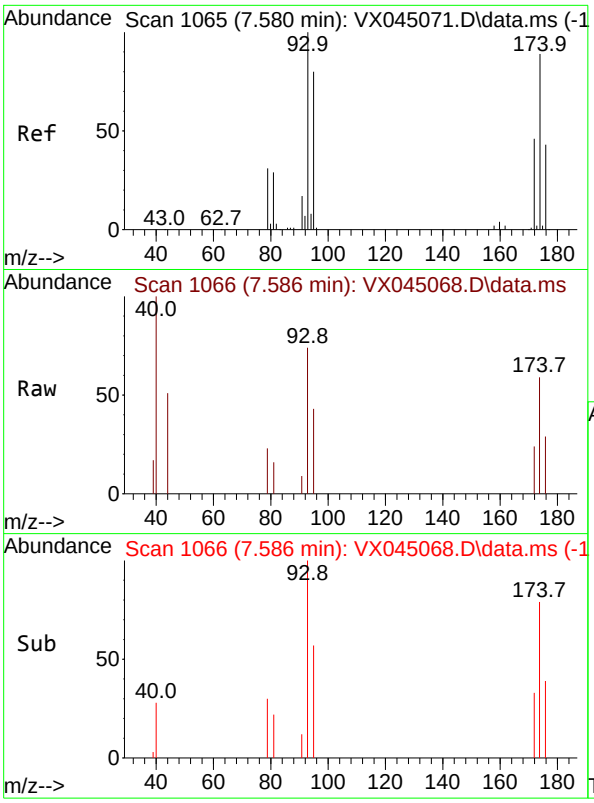


#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 1334

Ion	Ratio	Lower	Upper
63	100		
65	21.1	24.7	37.1#

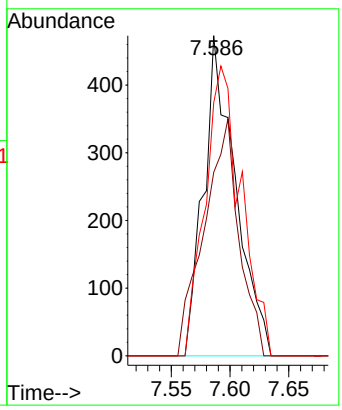




#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 93 Resp: 89

Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.8	98.8
174	102.8	72.2	108.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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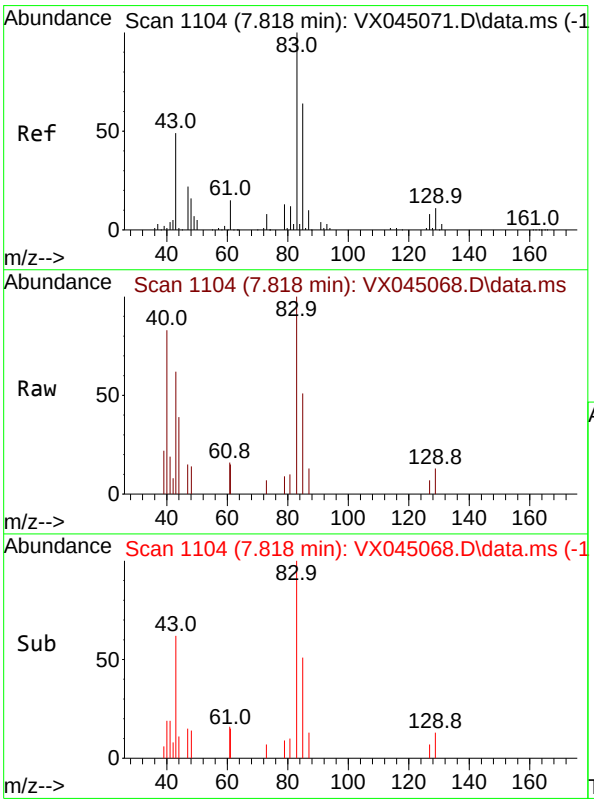
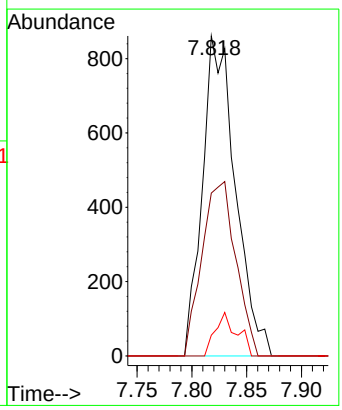
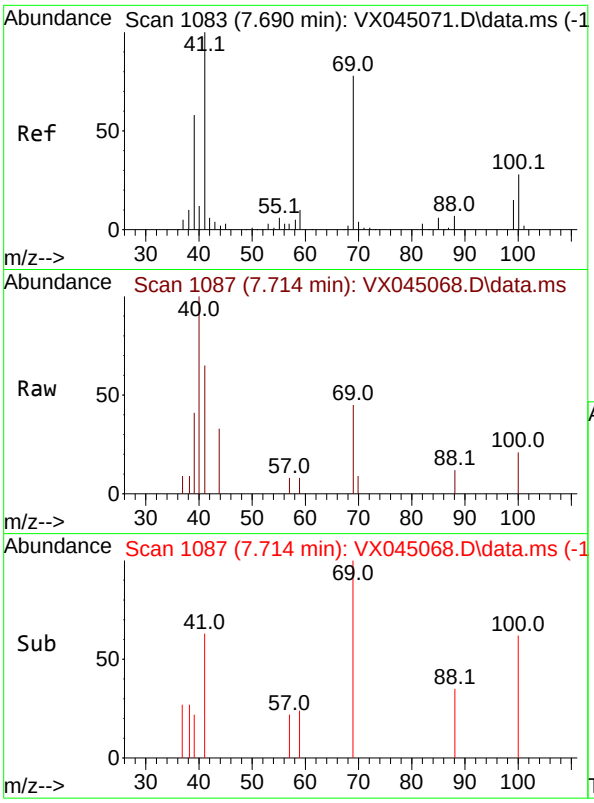


#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1802

Ion	Ratio	Lower	Upper
83	100		
85	50.9	51.1	76.7#
127	6.5	6.4	9.6





#48
Methyl methacrylate
Concen: 0.825 ug/l m
RT: 7.714 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 132

Ion	Ratio	Lower	Upper
41	100		
69	41.4	63.0	94.6#
39	20.7	47.5	71.3#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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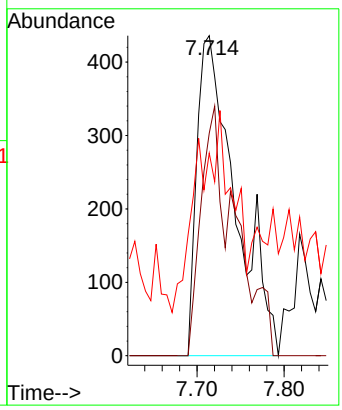
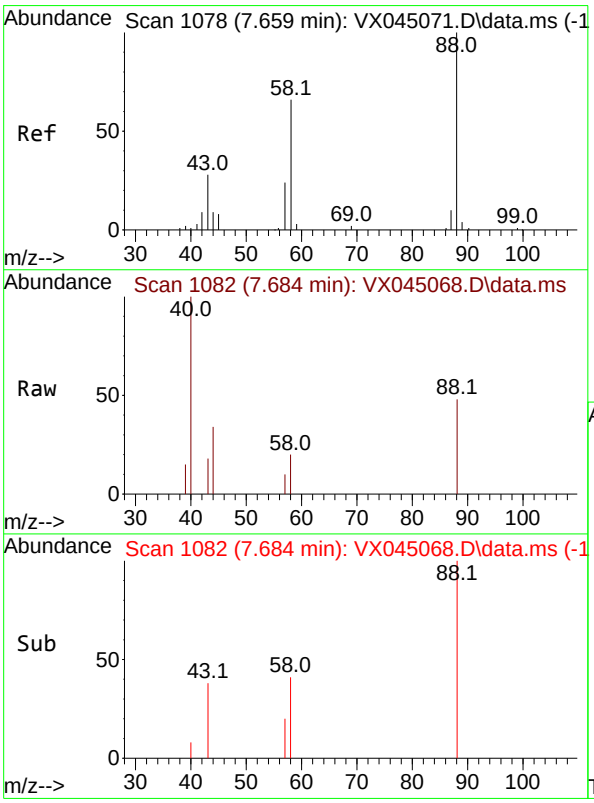
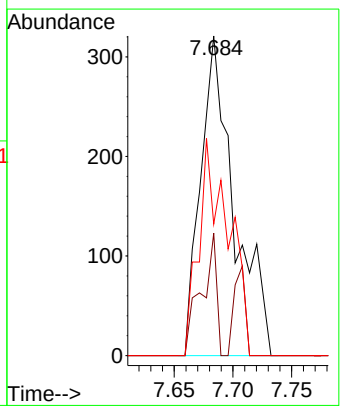


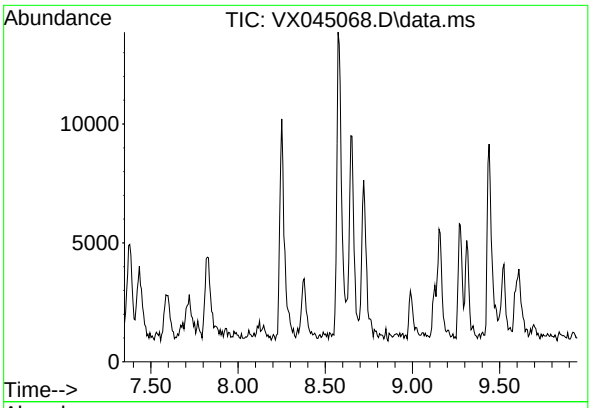


#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 88 Resp: 639

Ion	Ratio	Lower	Upper
88	100		
43	17.2	28.7	43.1#
58	59.9	55.8	83.8





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	65.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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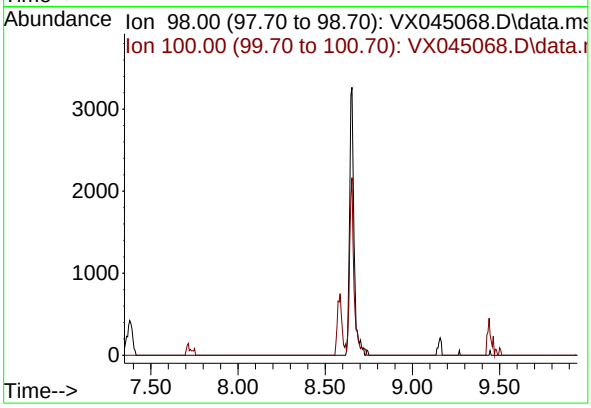
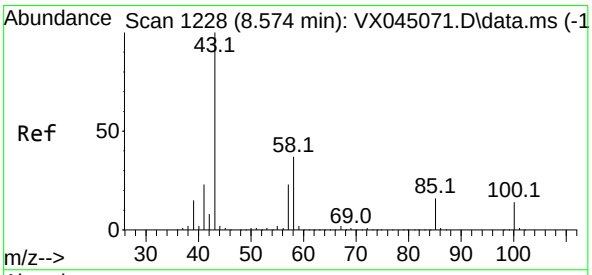
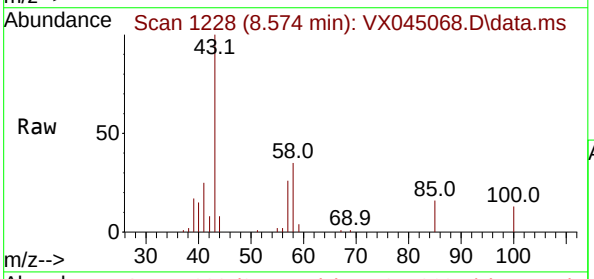


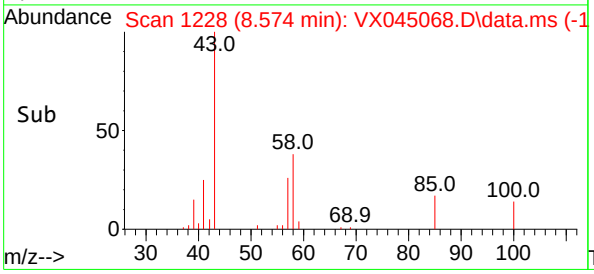


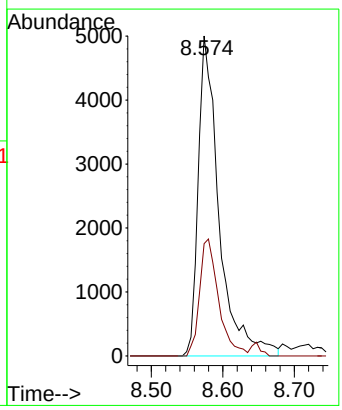
#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

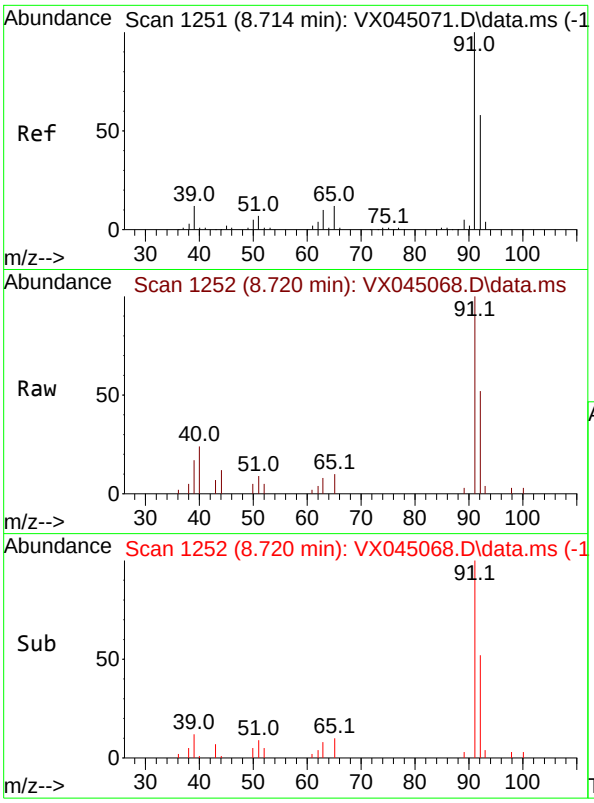
Tgt Ion: 43 Resp: 10091

Ion	Ratio	Lower	Upper
43	100		
58	33.5	29.2	43.8









#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 92 Resp: 270

Ion	Ratio	Lower	Upper
92	100		
91	177.7	138.9	208.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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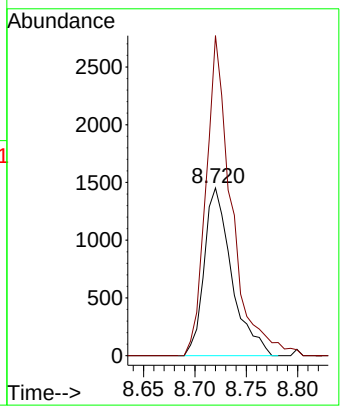
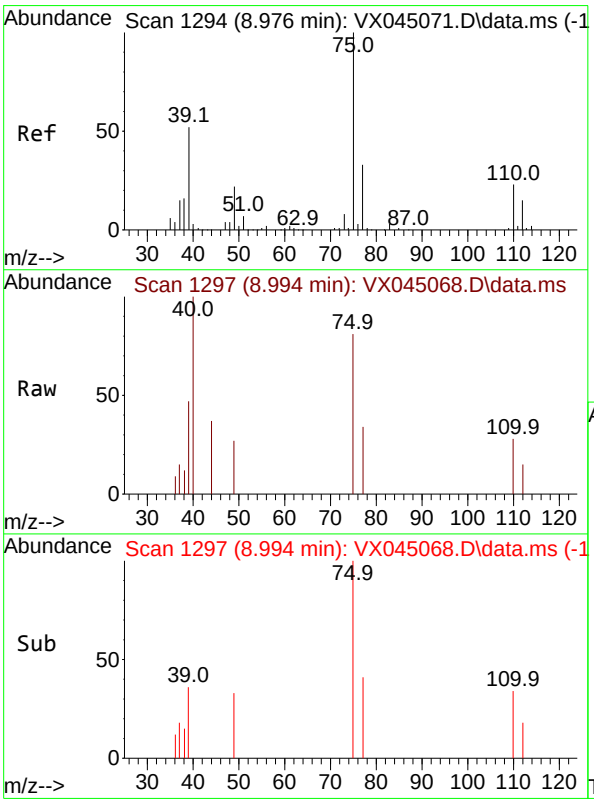
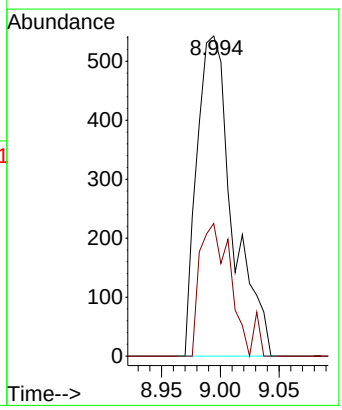


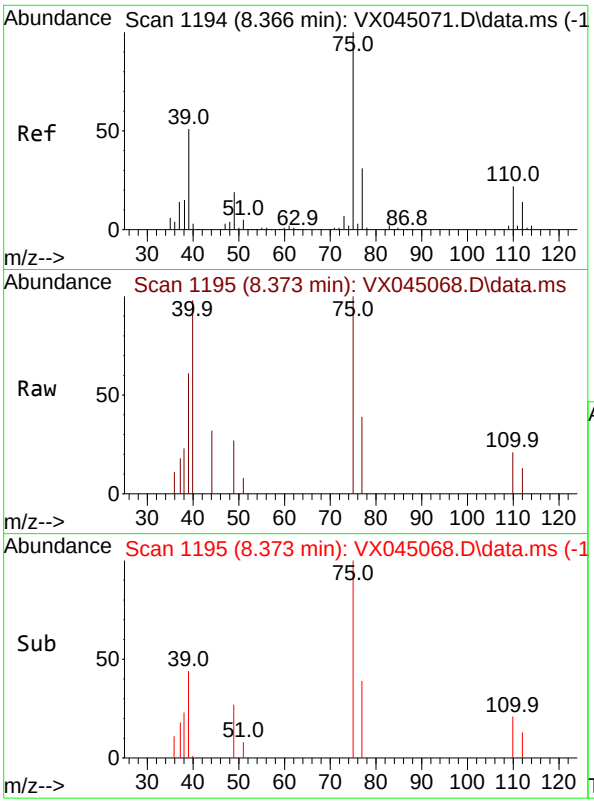


#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1147

Ion	Ratio	Lower	Upper
75	100		
77	41.4	26.5	39.7#

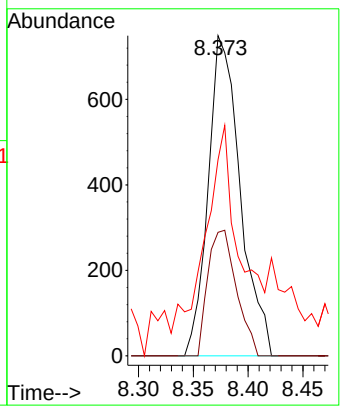




#54
cis-1,3-Dichloropropene
Concen: 0.804 ug/l
RT: 8.373 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 152

Ion	Ratio	Lower	Upper
75	100		
77	38.6	24.7	37.1#
39	45.1	40.7	61.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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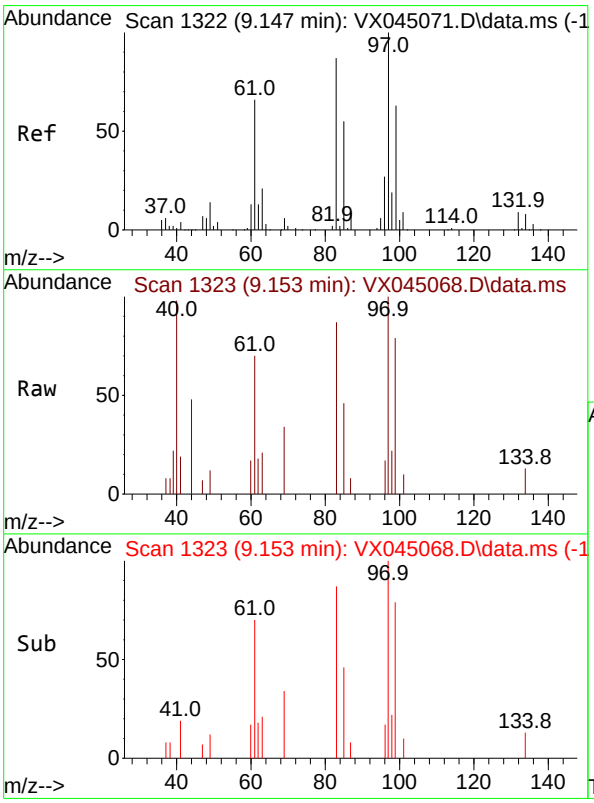
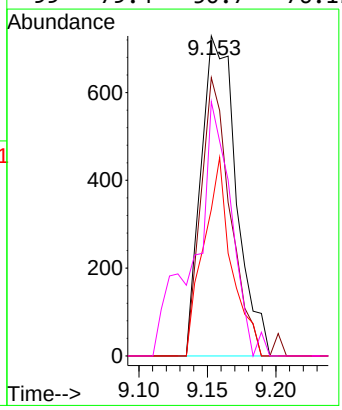
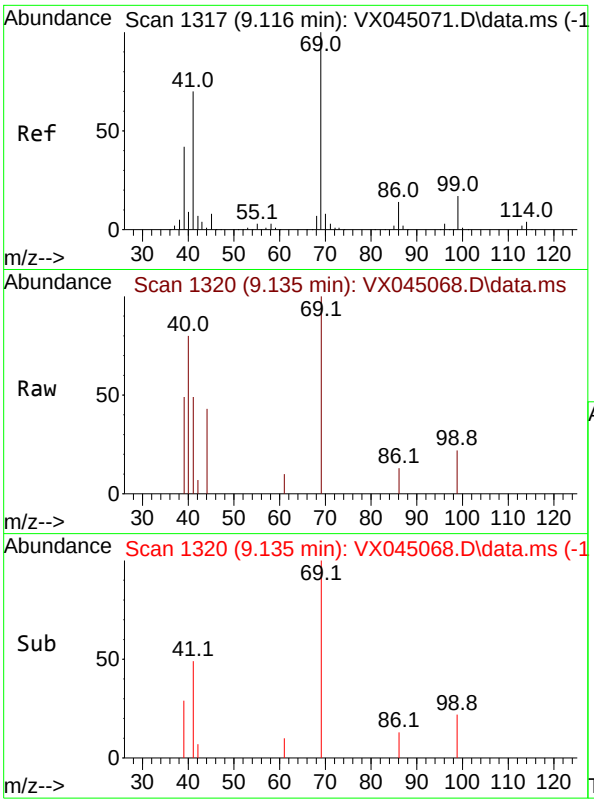


#55
1,1,2-Trichloroethane
Concen: 1.004 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 97 Resp: 1306

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.2
85	45.8	44.1	66.1
99	79.4	50.7	76.1#





#56
Ethyl methacrylate
Concen: 0.748 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 69 Resp: 149

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	54.6	34.2	51.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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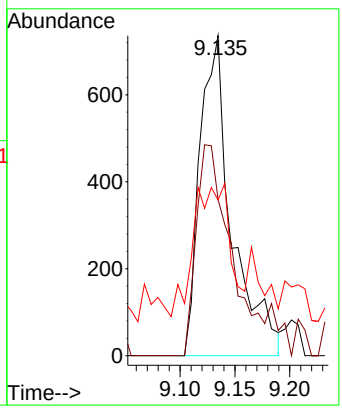
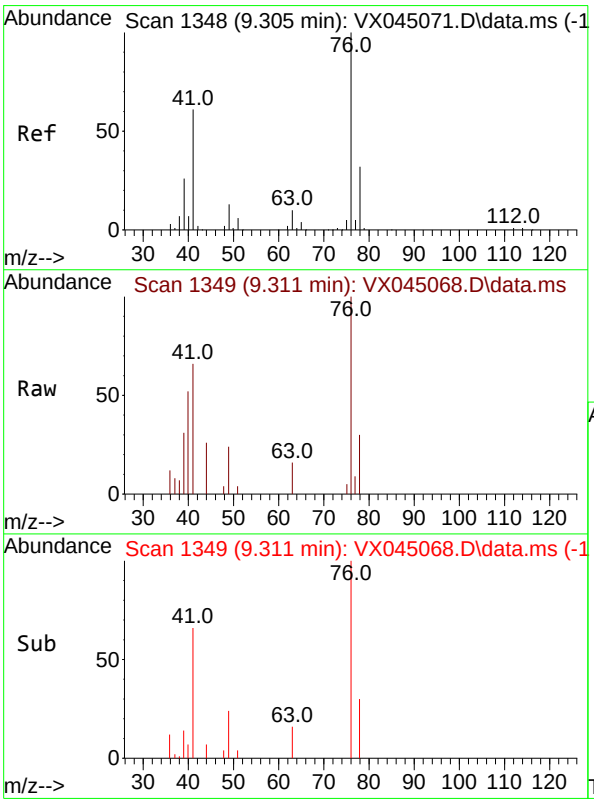
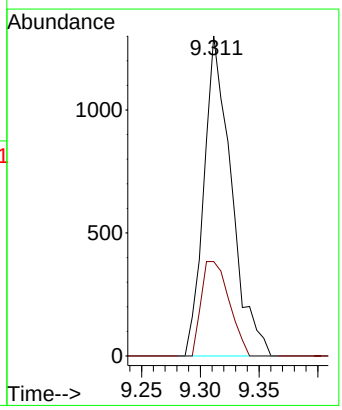


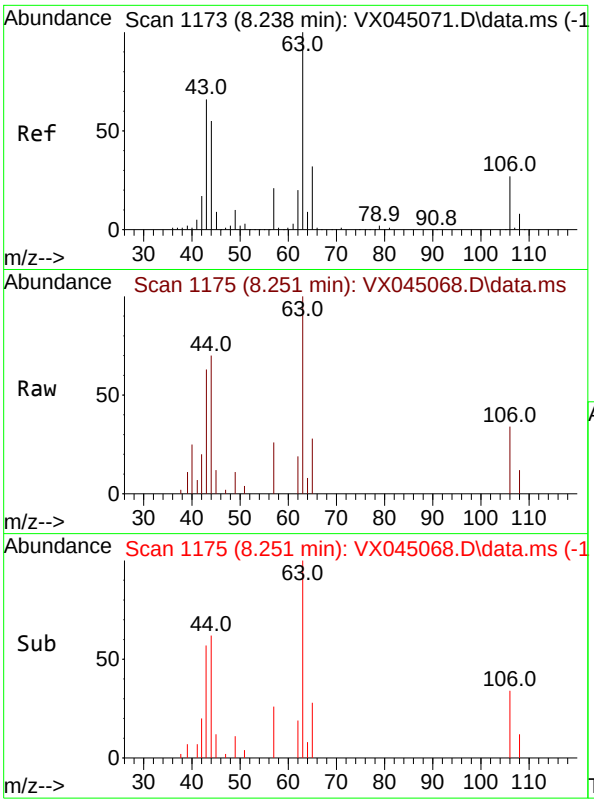


#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 76 Resp: 2112

Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.5	38.3





#58
2-Chloroethyl Vinyl ether
Concen: 4.320 ug/l
RT: 8.251 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 411

Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.5	32.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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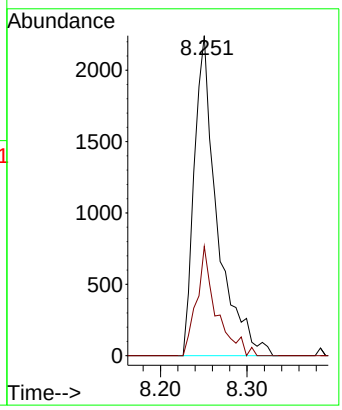
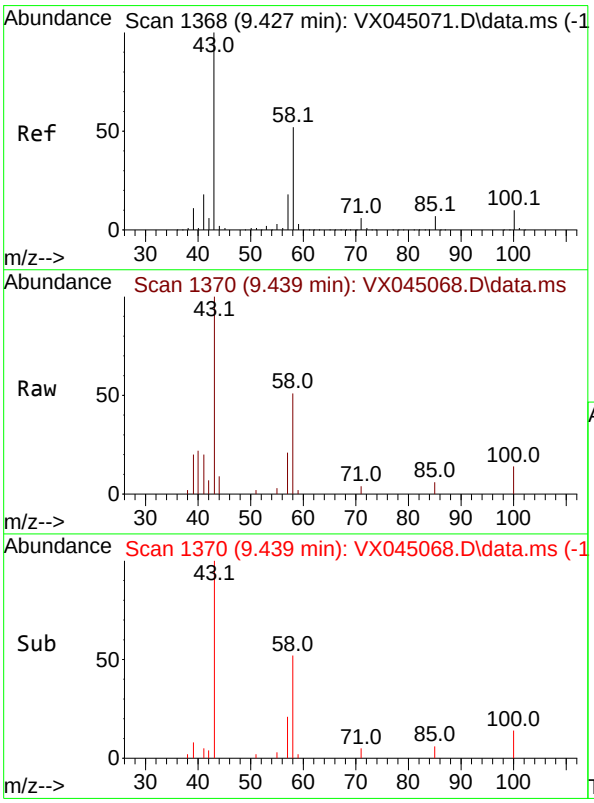
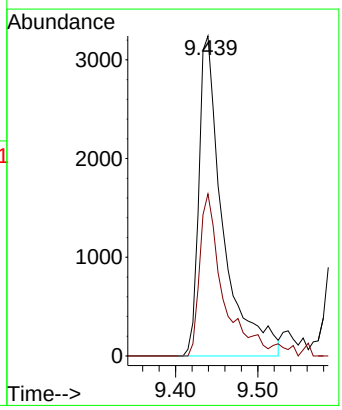


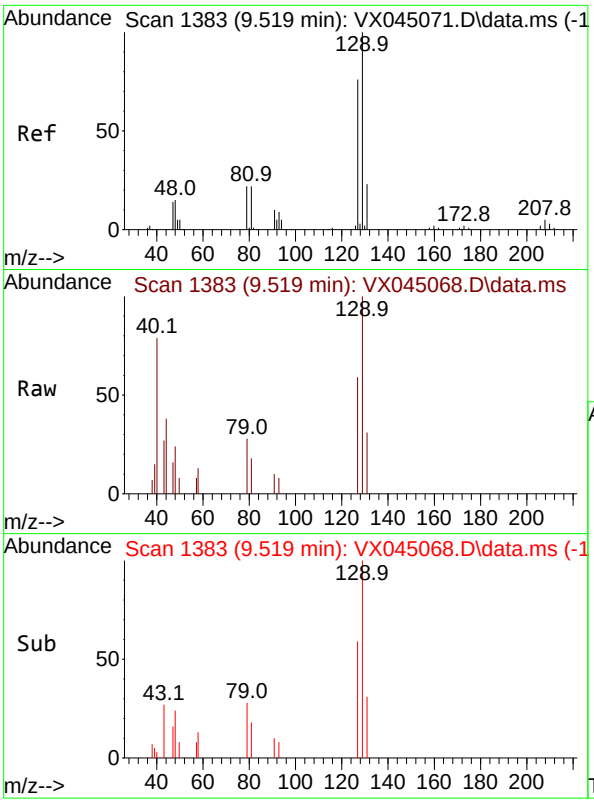


#59
2-Hexanone
Concen: 4.153 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 6582

Ion	Ratio	Lower	Upper
43	100		
58	48.7	25.9	77.6

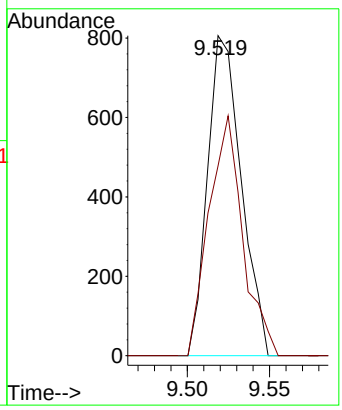




#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:129 Resp: 115

Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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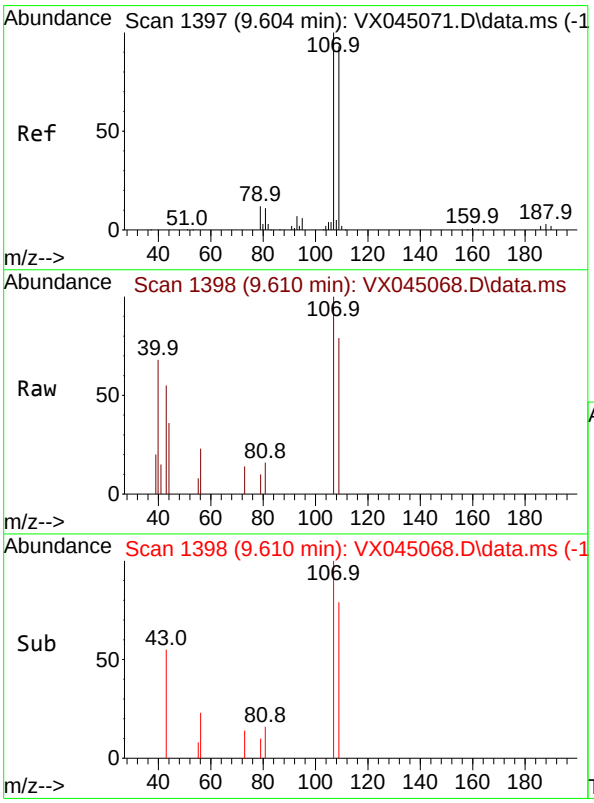
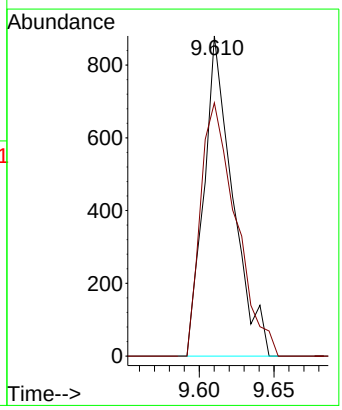
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

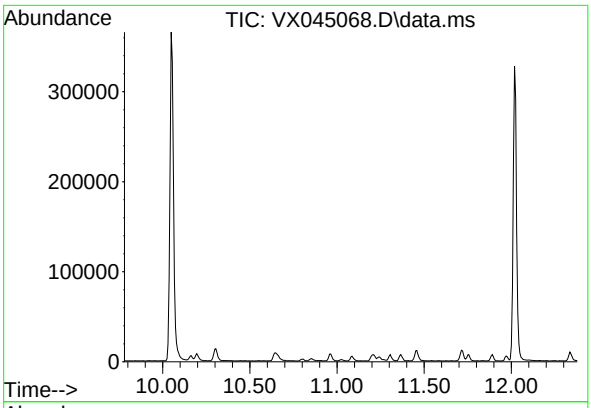


#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:107 Resp: 1174

Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	74.1
176	70.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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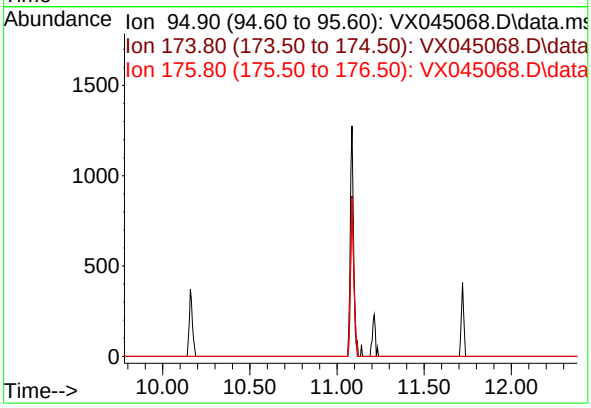
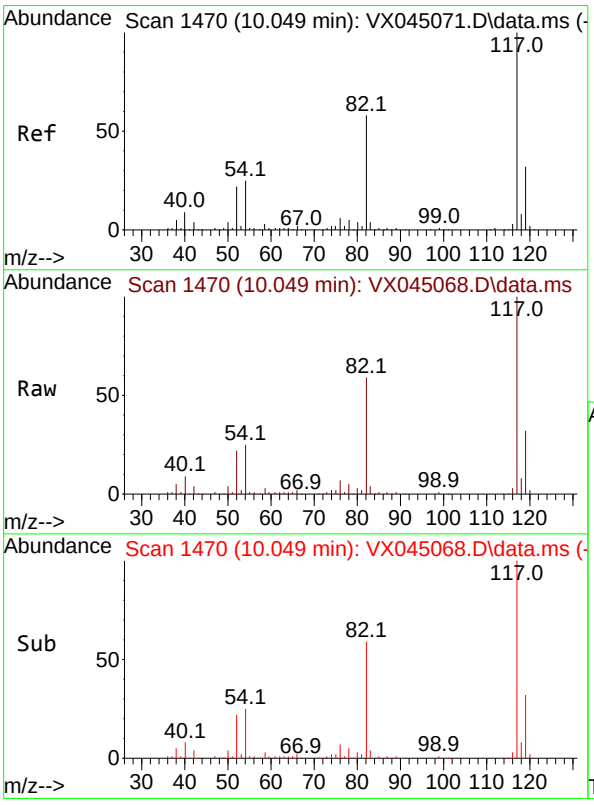
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

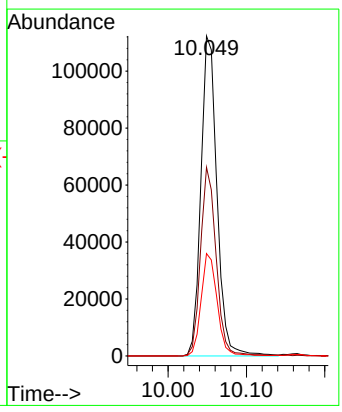


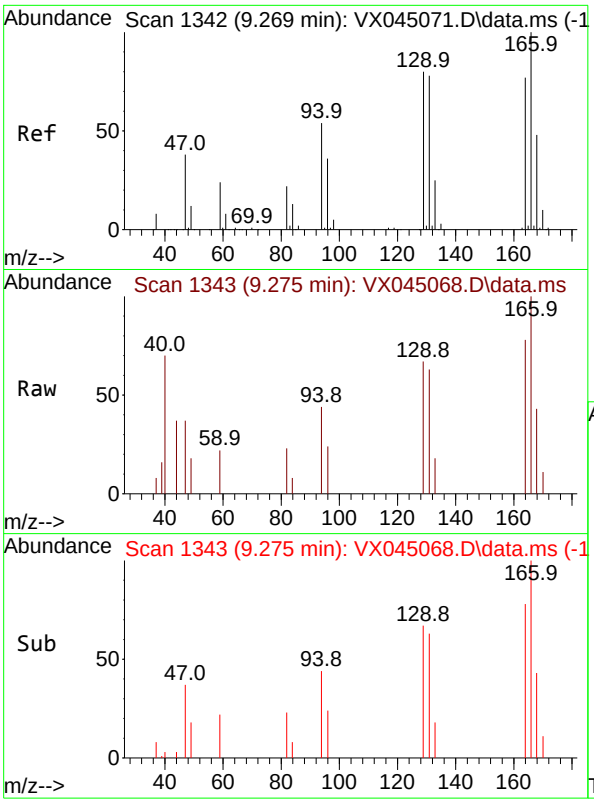


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 159886

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.3	69.5
119	32.0	25.7	38.5

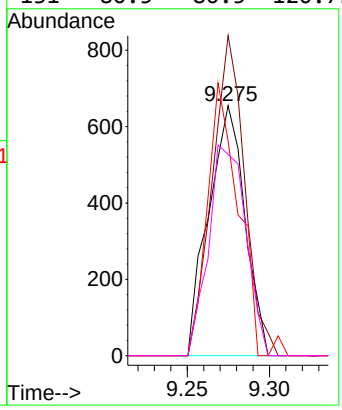




#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:164 Resp: 100

Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.6	155.4
129	85.8	82.7	124.1
131	80.5	80.5	120.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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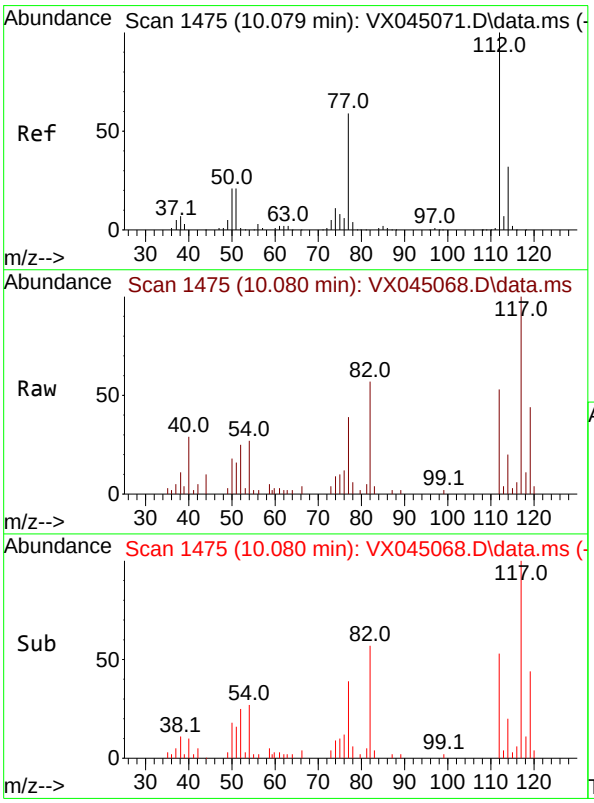
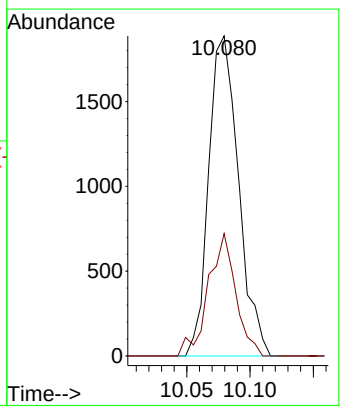
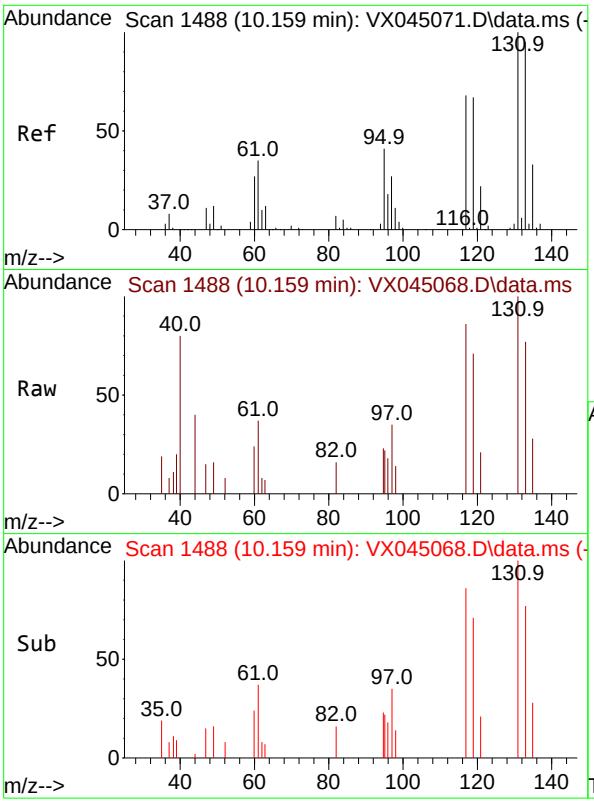


#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:112 Resp: 3094

Ion	Ratio	Lower	Upper
112	100		
114	38.3	26.0	39.0





#66
1,1,1,2-Tetrachloroethane
Concen: 0.978 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:131 Resp: 107

Ion	Ratio	Lower	Upper
131	100		
133	98.6	48.6	145.9
119	0.0	33.9	101.7#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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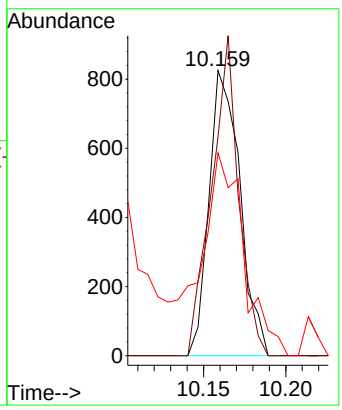
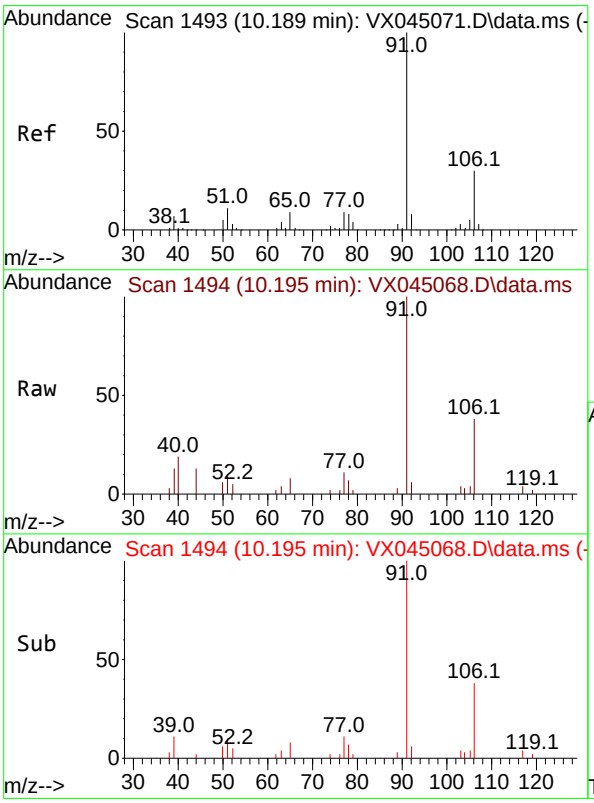
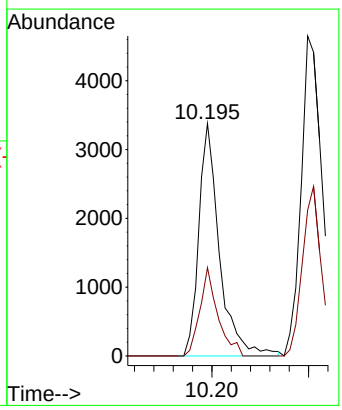


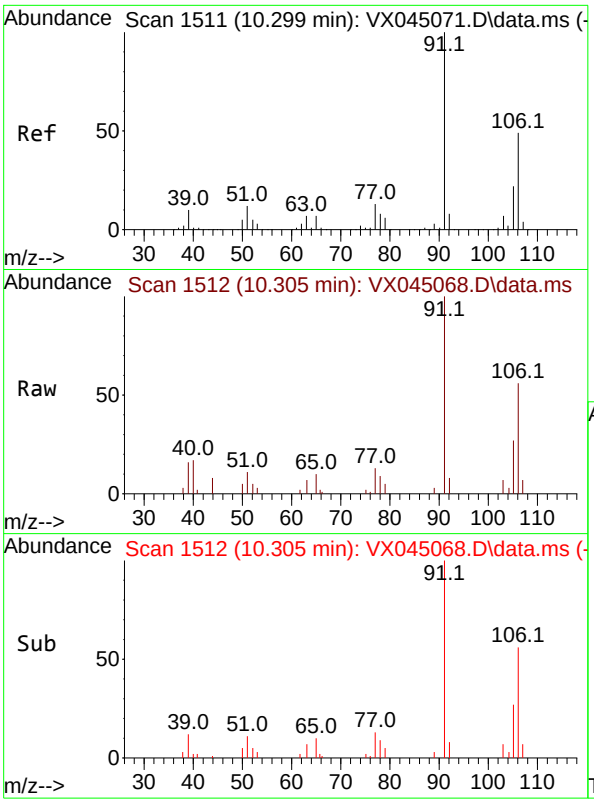


#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 5008

Ion	Ratio	Lower	Upper
91	100		
106	38.0	23.9	35.9#





#68
m/p-Xylenes
Concen: 1.630 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 355

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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Reviewed By :John Carlone 02/28/2025
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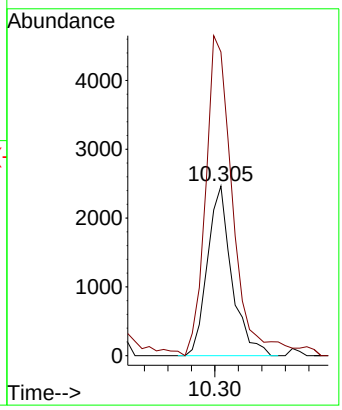
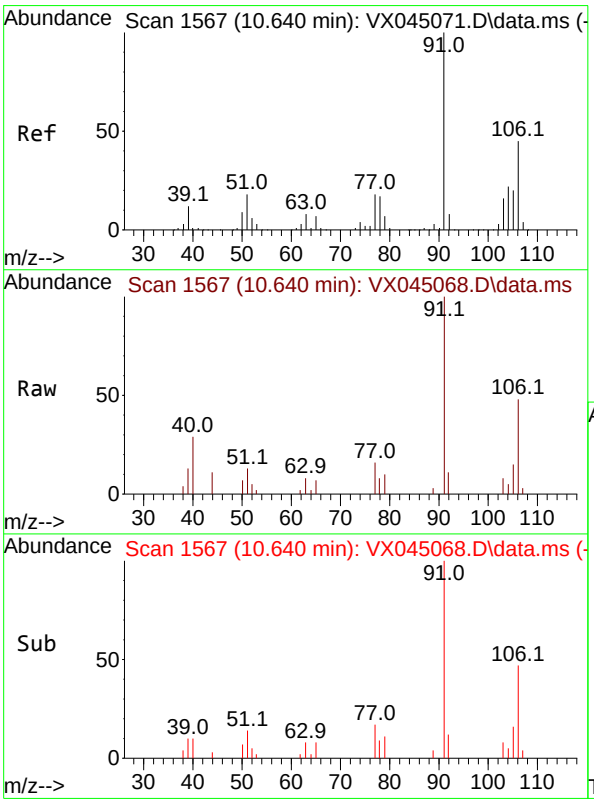
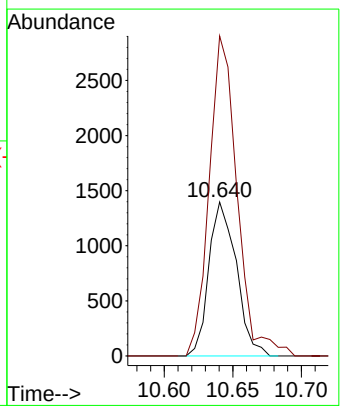


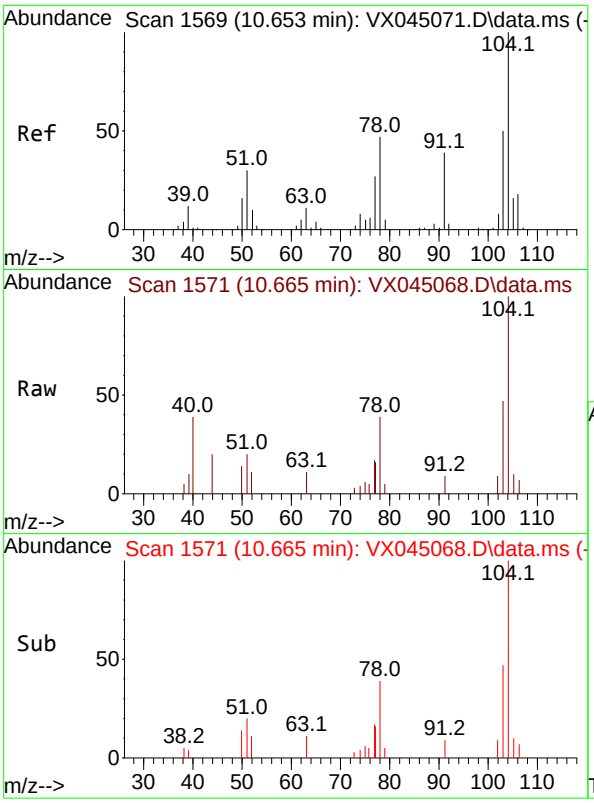


#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 1949

Ion	Ratio	Lower	Upper
106	100		
91	211.0	109.9	329.6

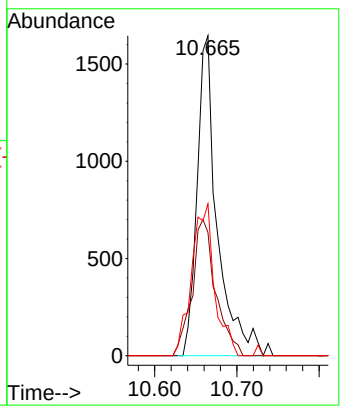




#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:104 Resp: 281

Ion	Ratio	Lower	Upper
104	100		
78	49.7	42.2	63.4
103	53.6	43.8	65.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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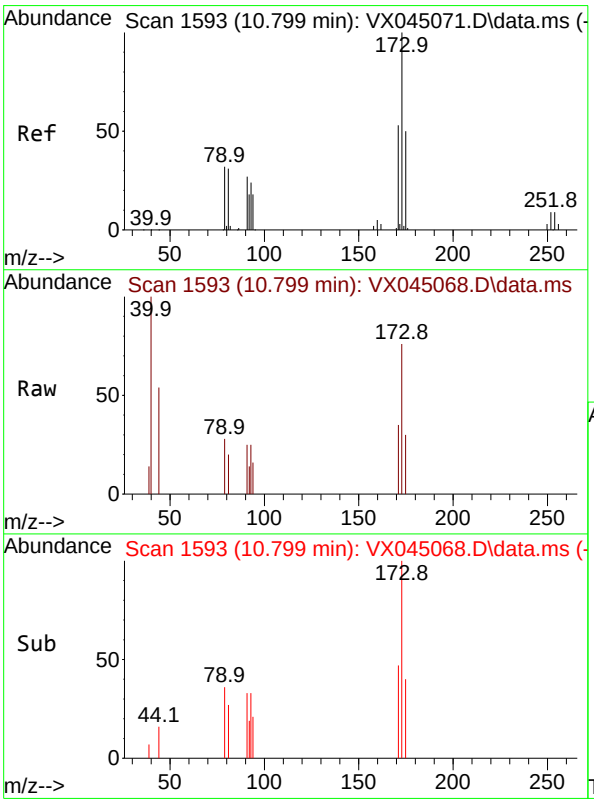
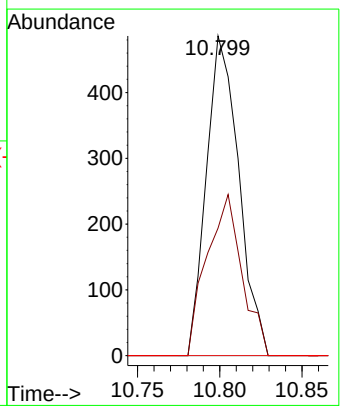
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

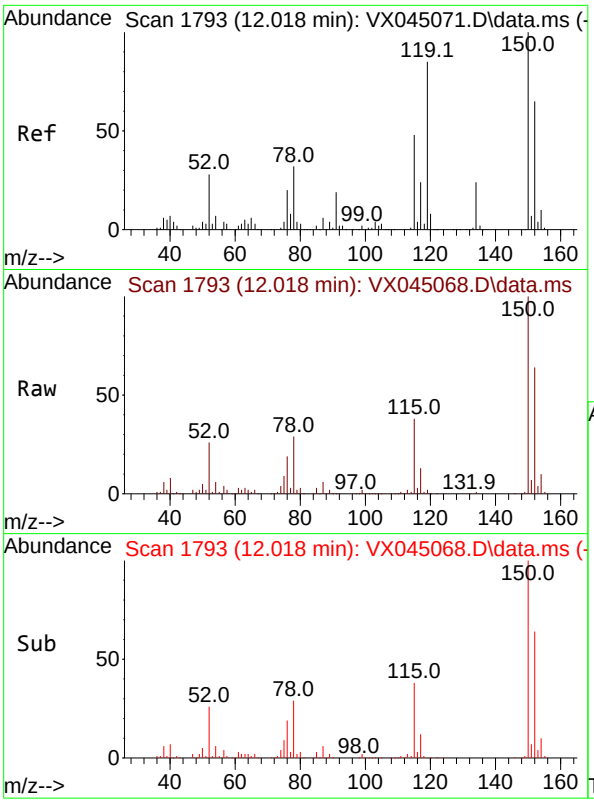


#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:173 Resp: 667

Ion	Ratio	Lower	Upper
173	100		
175	54.7	24.6	73.6
254	0.0	0.0	0.0

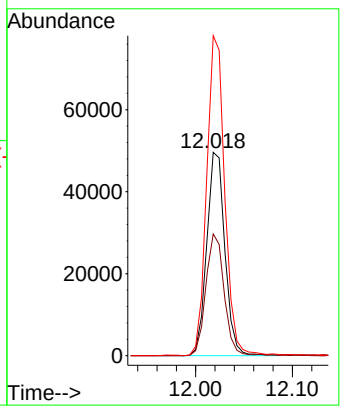




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:152 Resp: 6484

Ion	Ratio	Lower	Upper
152	100		
115	60.3	44.2	132.6
150	157.1	0.0	349.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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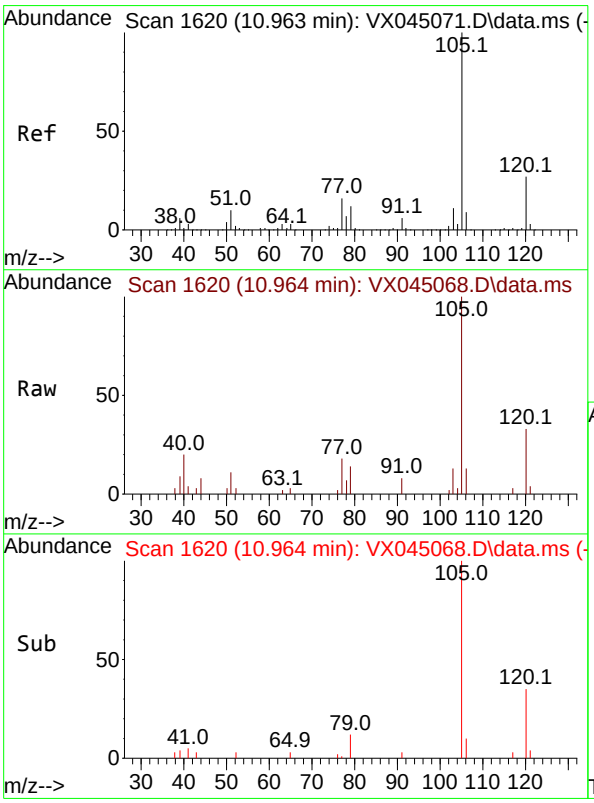
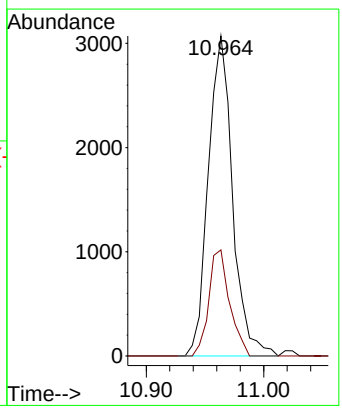
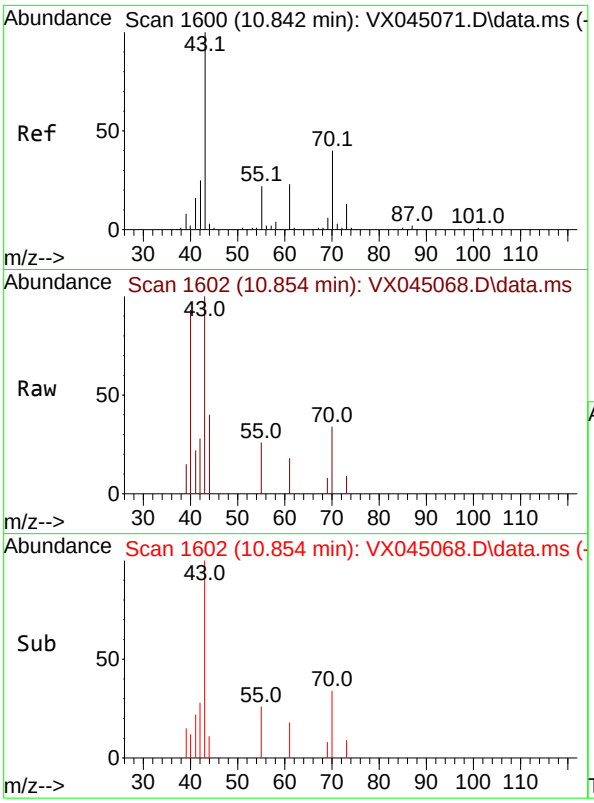


#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 4405

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.2	39.5

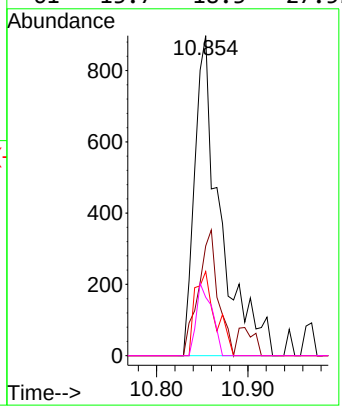




#74
N-amyl acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 175

Ion	Ratio	Lower	Upper
43	100		
70	30.1	31.8	47.6#
55	20.9	18.3	27.5
61	13.7	18.3	27.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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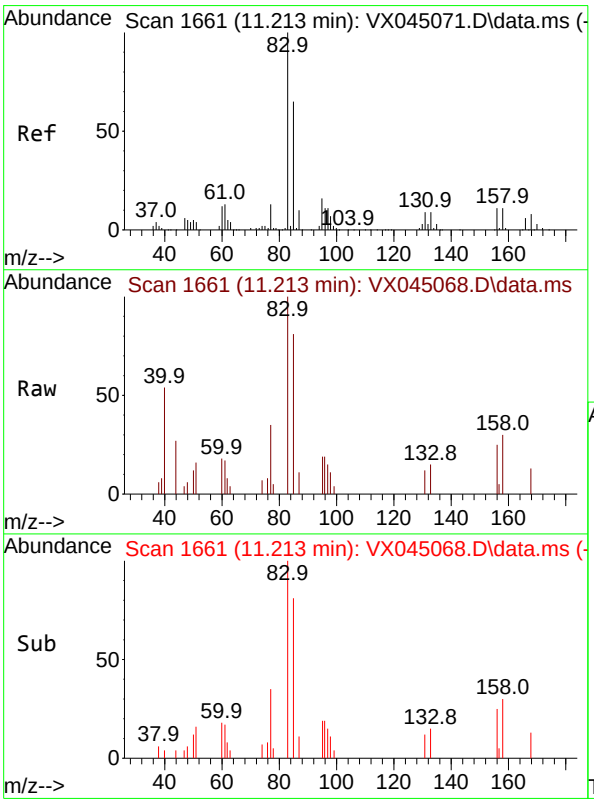
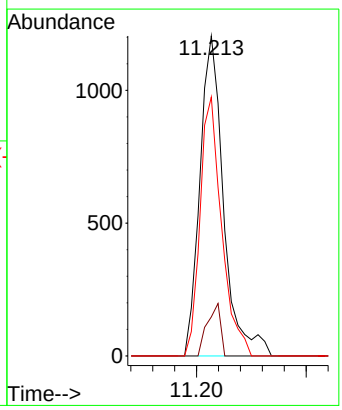
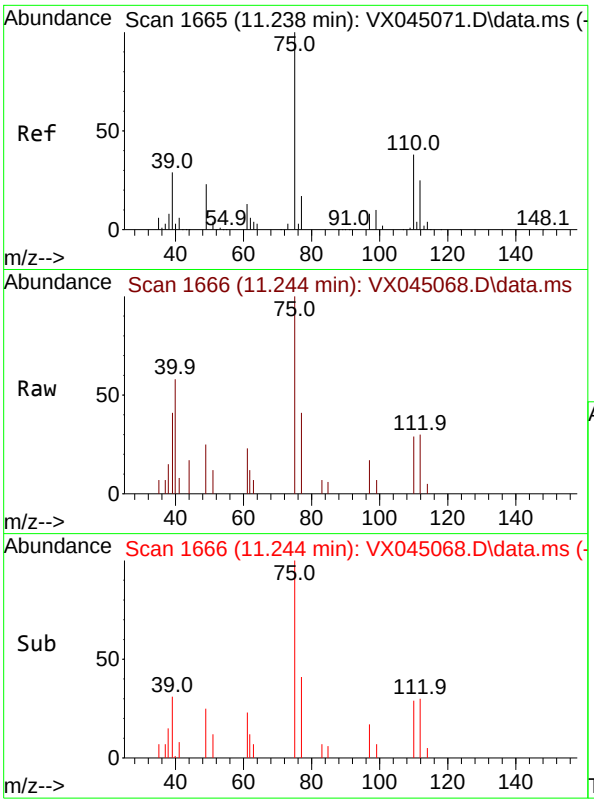


#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1809

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	73.7	31.7	95.1





#76
1,2,3-Trichloropropane
Concen: 1.015 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 153

Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.7	62.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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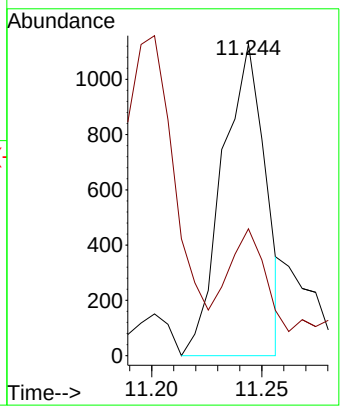
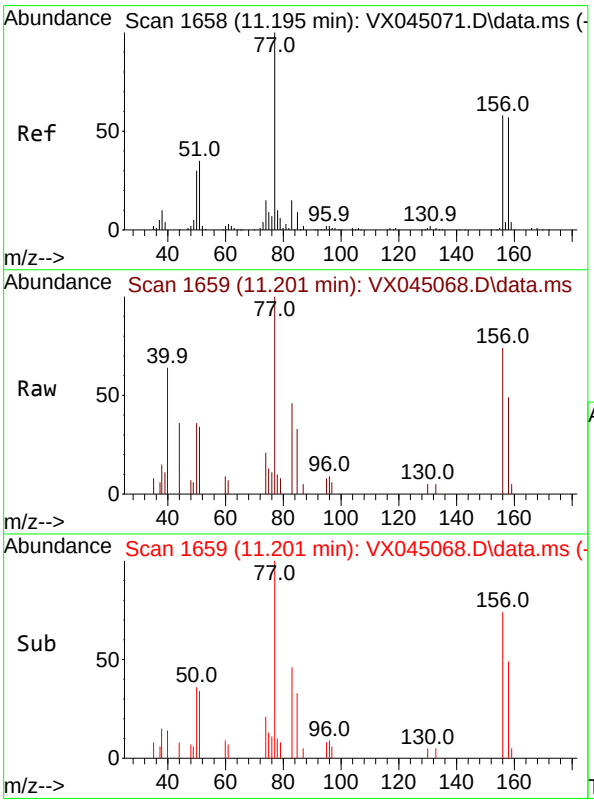
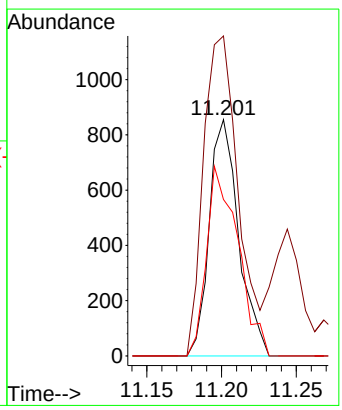


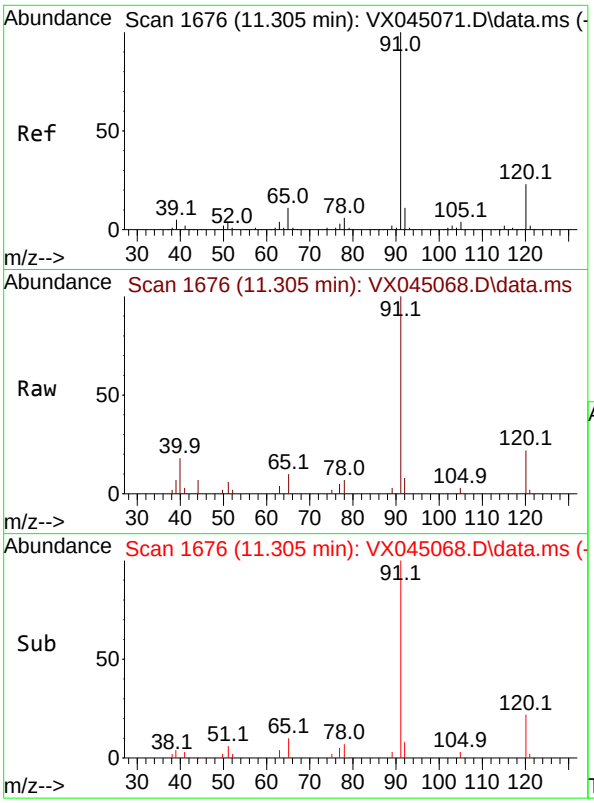


#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:156 Resp: 1166

Ion	Ratio	Lower	Upper
156	100		
77	159.8	85.8	257.4
158	86.2	48.4	145.2

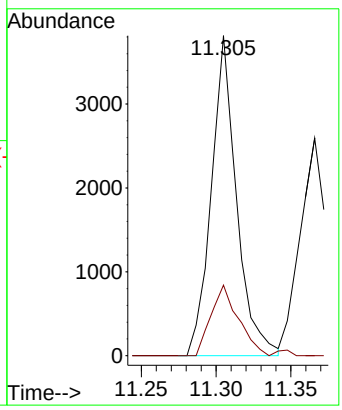




#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 447

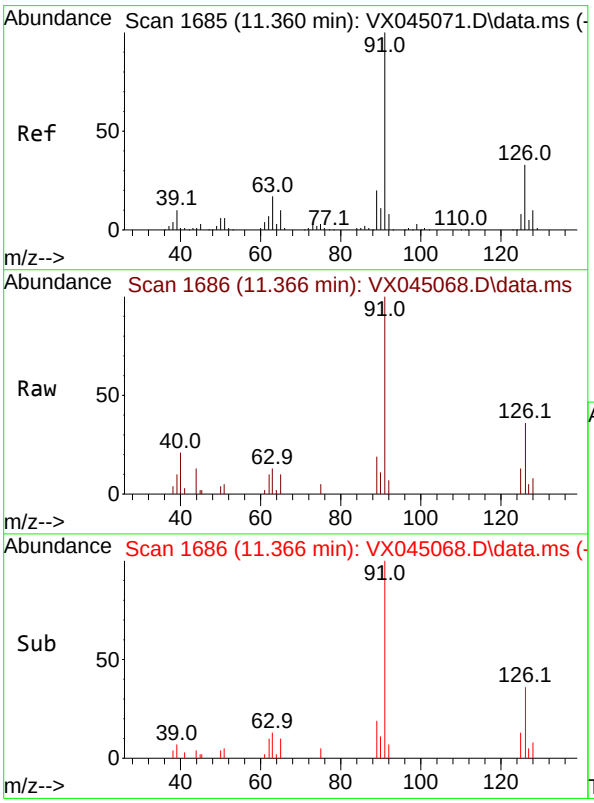
Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

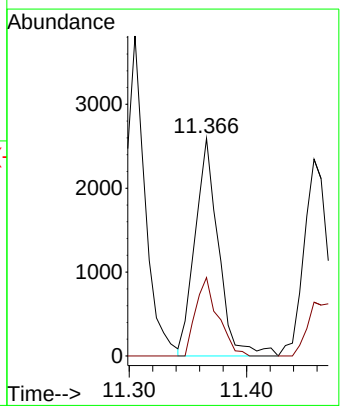
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

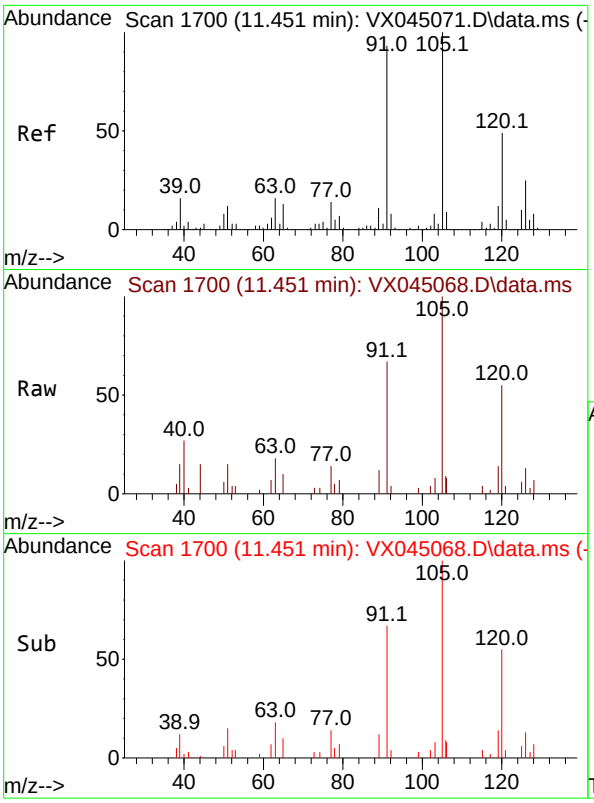


#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3616

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.4

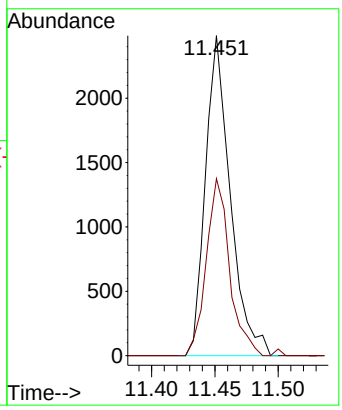




#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 338

Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.1	72.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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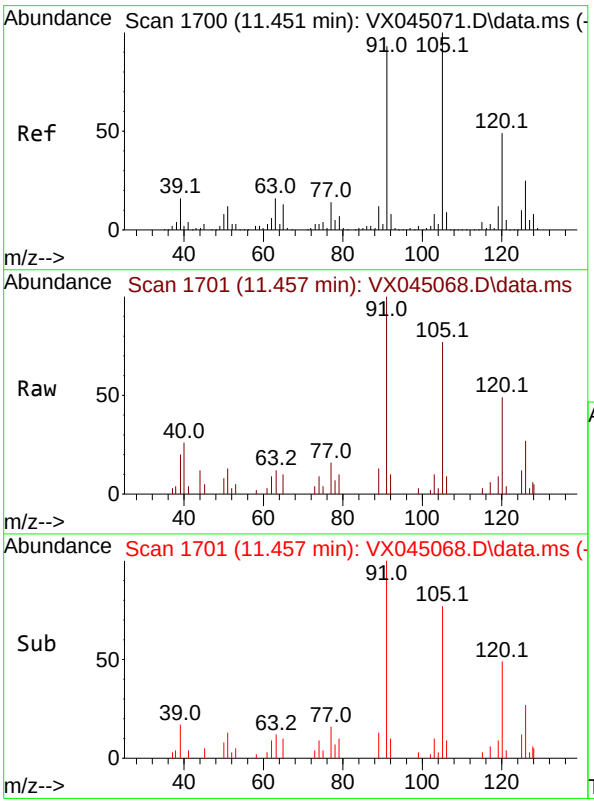
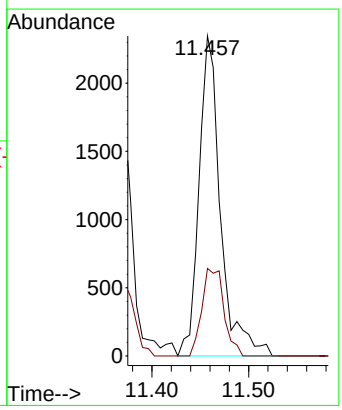
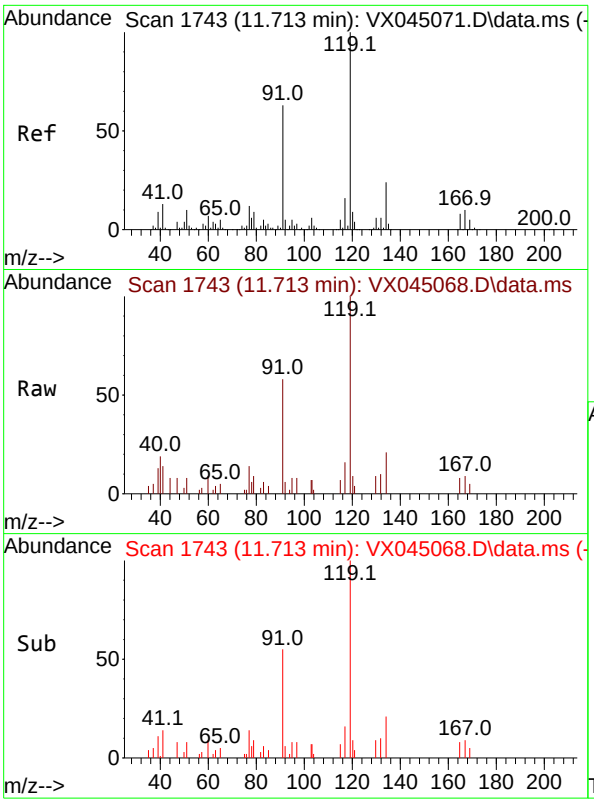


#82
4-Chlorotoluene
Concen: 0.904 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3631

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4

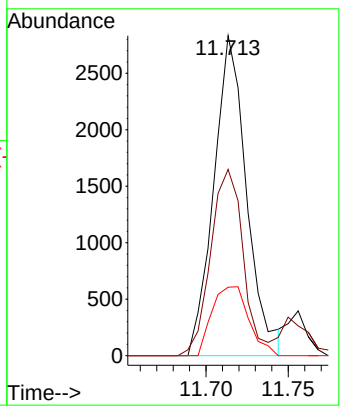




#83
tert-Butylbenzene
Concen: 0.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 392

Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.7	92.1
134	24.2	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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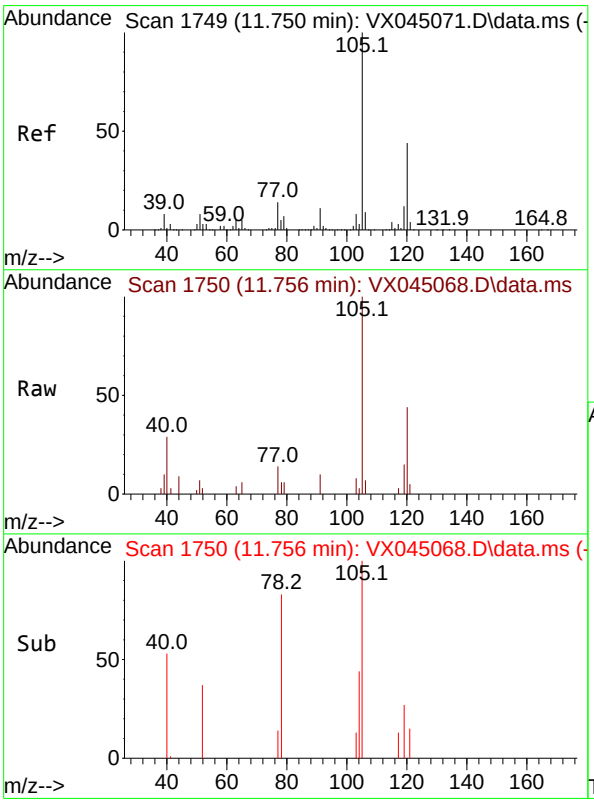
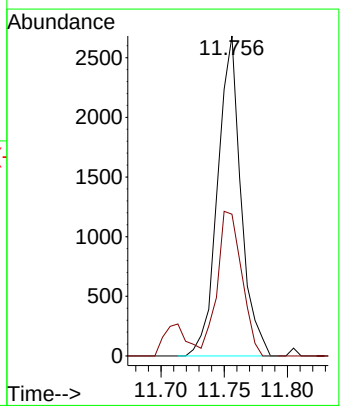
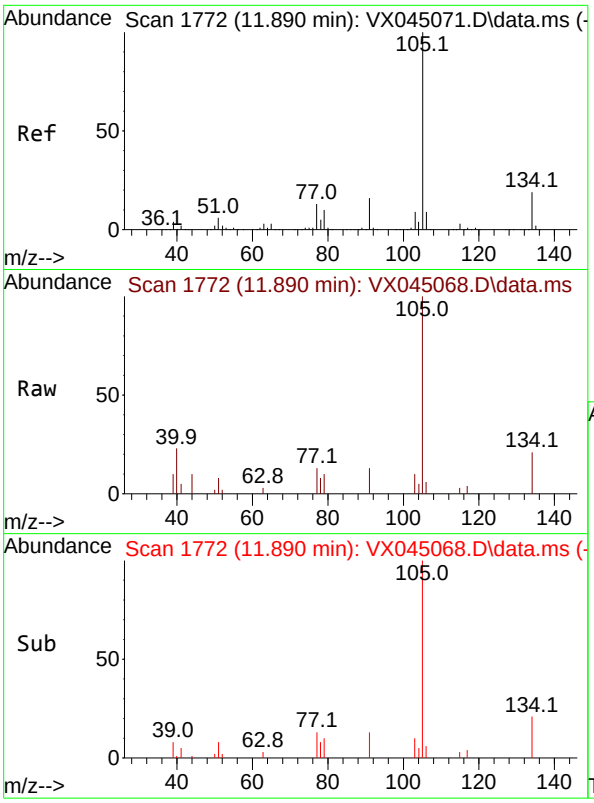


#84
1,2,4-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3432

Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.1	66.1





#85
sec-Butylbenzene
Concen: 0.752 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

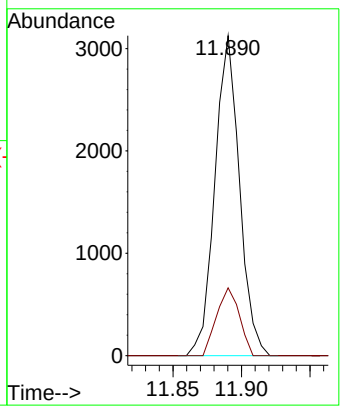
Tgt Ion:105 Resp: 389

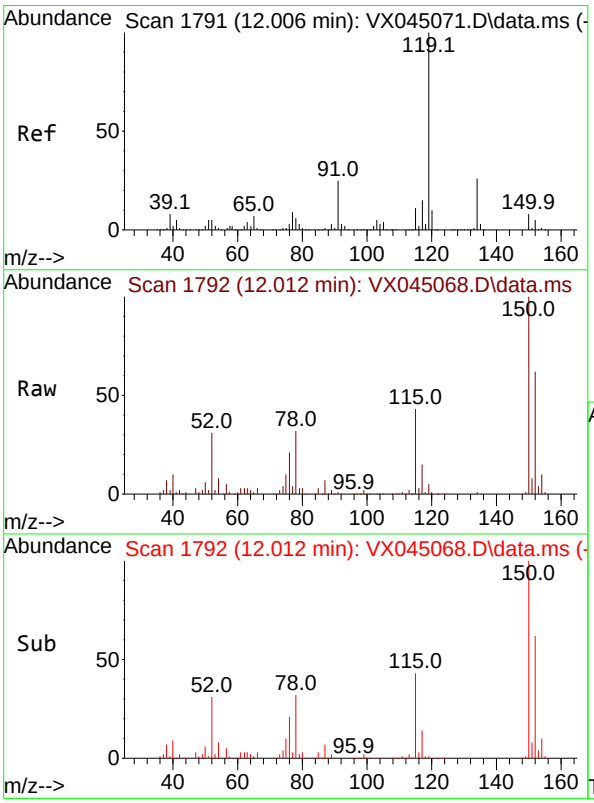
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

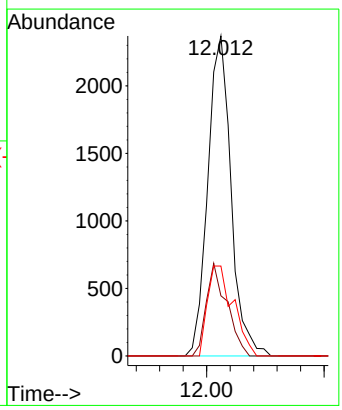


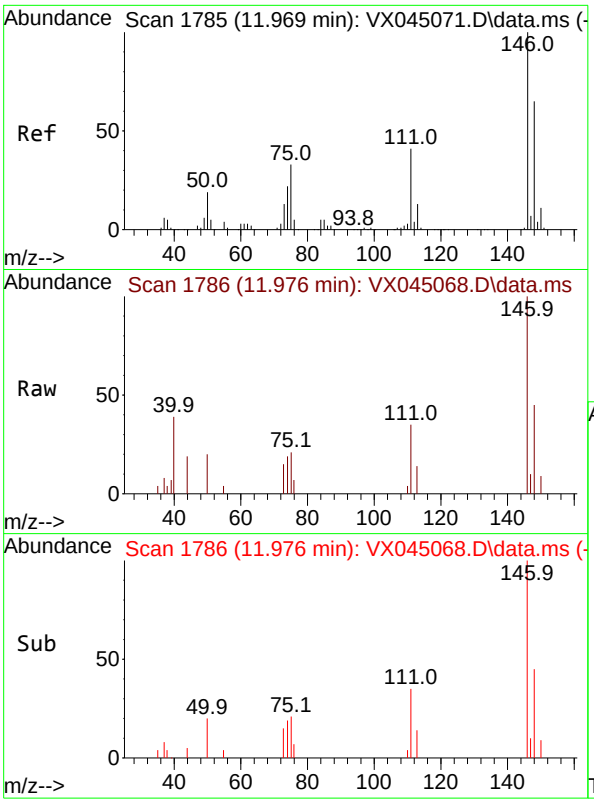


#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 3257

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	30.9	12.7	38.0

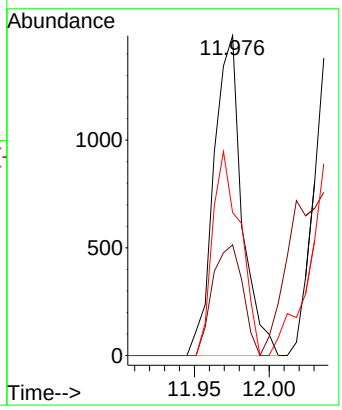




#87
1,3-Dichlorobenzene
Concen: 0.913 ug/l
RT: 11.976 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 194

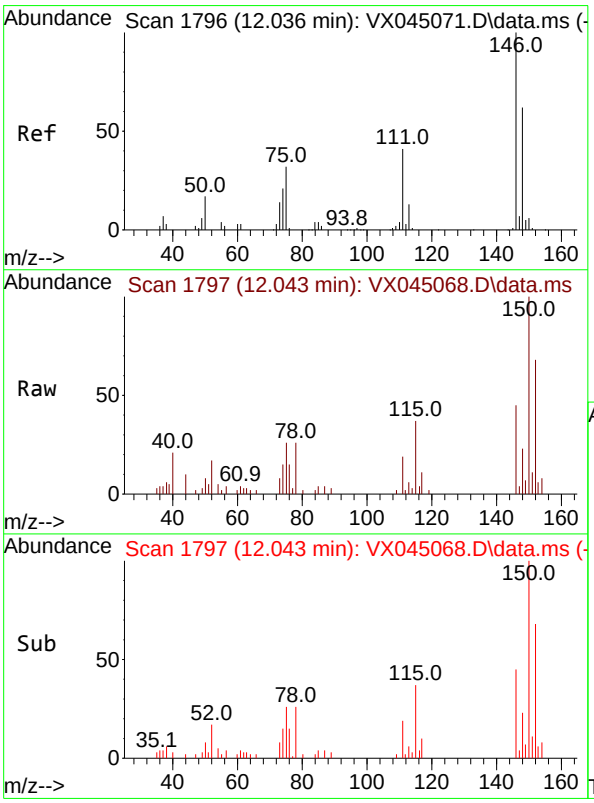
Ion	Ratio	Lower	Upper
146	100		
111	37.1	21.1	63.4
148	62.4	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

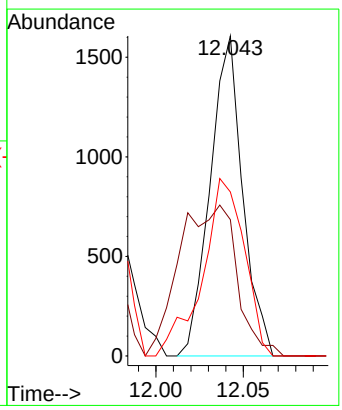
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

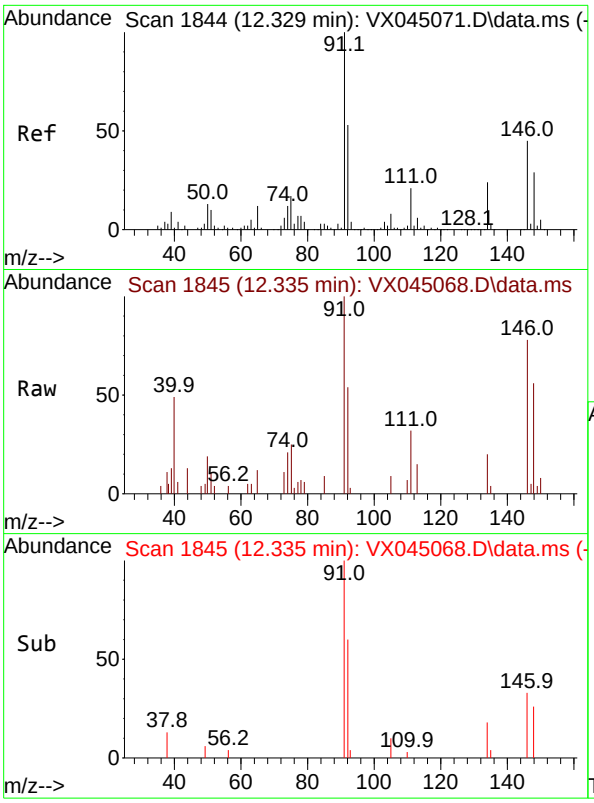


#88
1,4-Dichlorobenzene
Concen: 0.962 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 2082

Ion	Ratio	Lower	Upper
146	100		
111	34.7	20.2	60.5
148	58.4	31.9	95.9

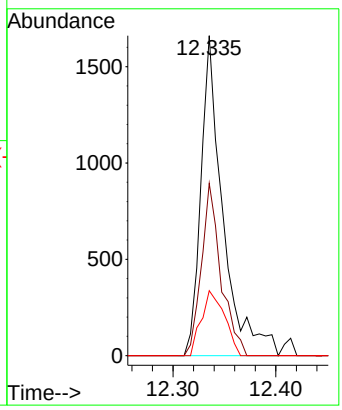




#89
n-Butylbenzene
Concen: 0.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 247

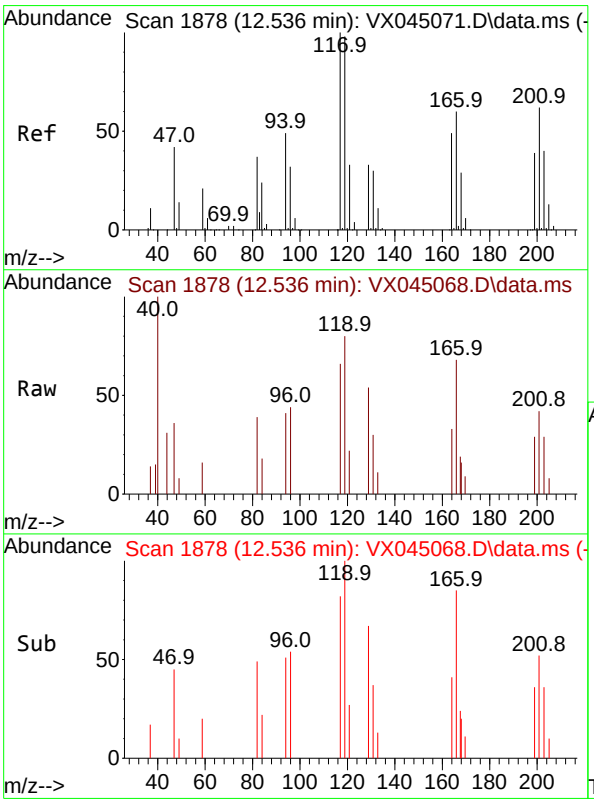
Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.7	80.0
134	21.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

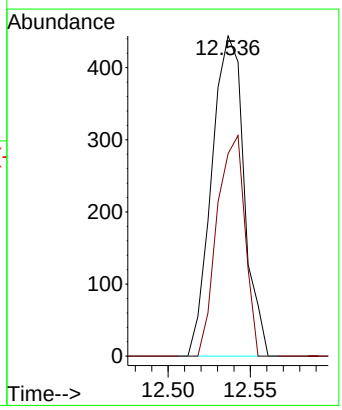
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

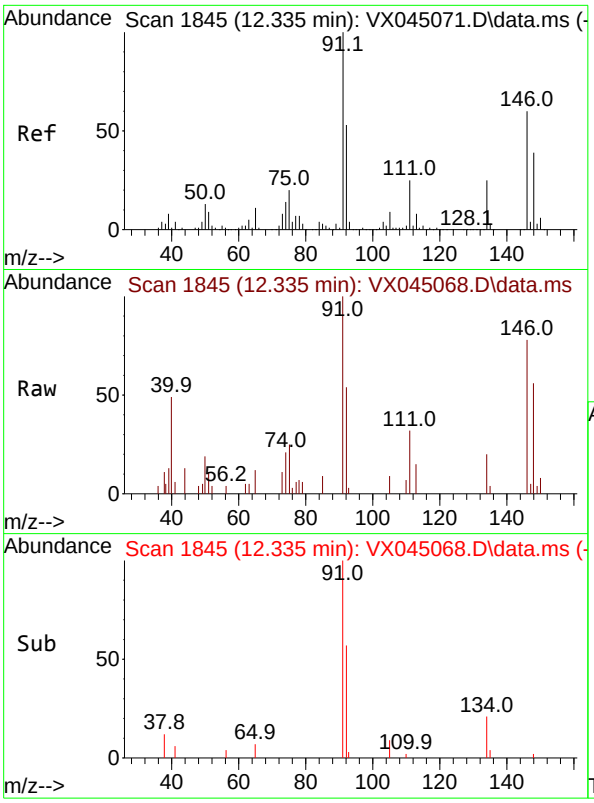


#90
Hexachloroethane
Concen: 0.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9

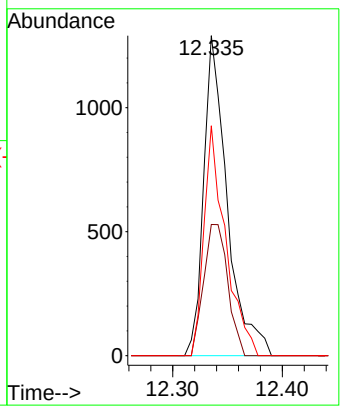




#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 191

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	66.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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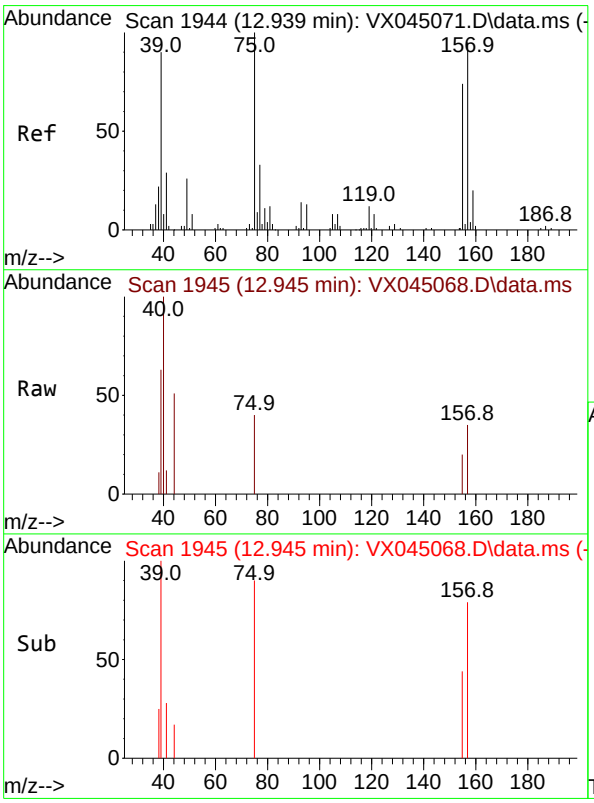
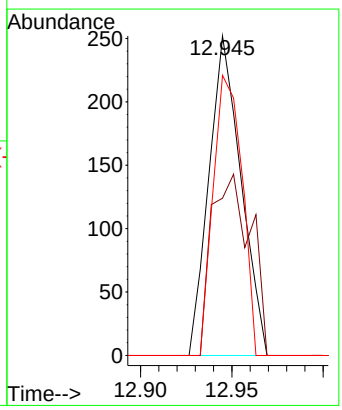
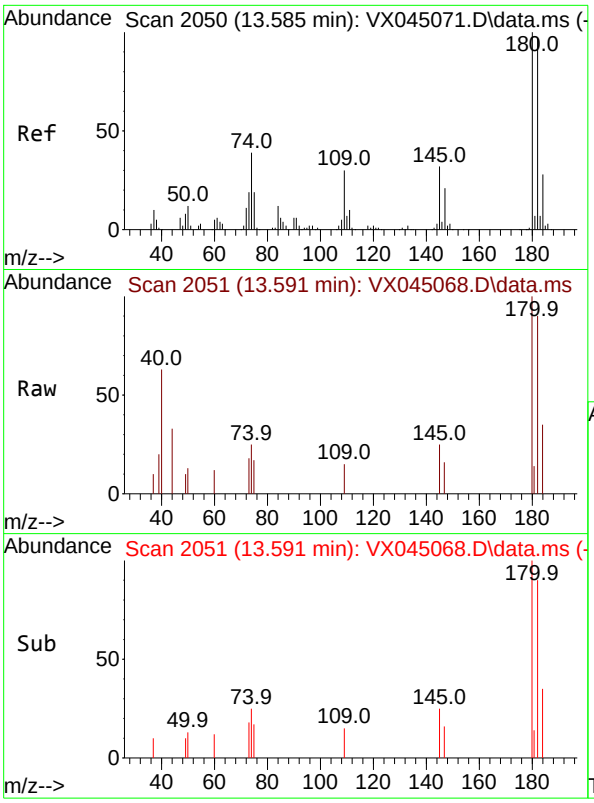


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 308

Ion	Ratio	Lower	Upper
75	100		
155	69.2	39.6	118.7
157	78.6	51.1	153.4

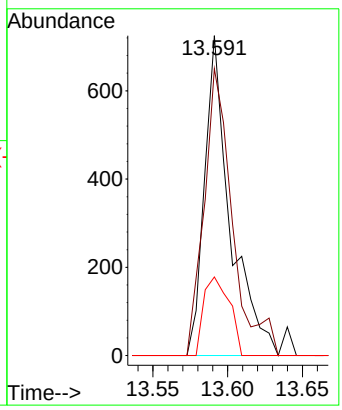




#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 86

Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.3	141.9
145	24.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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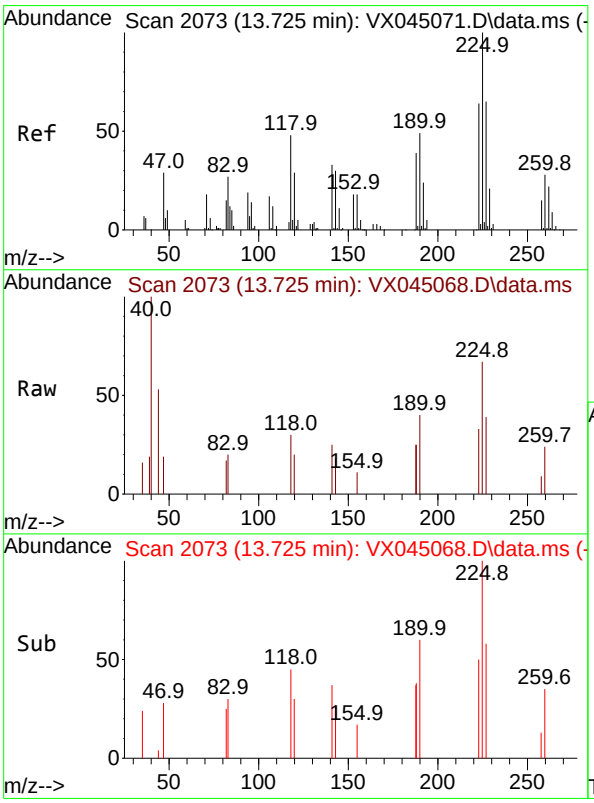
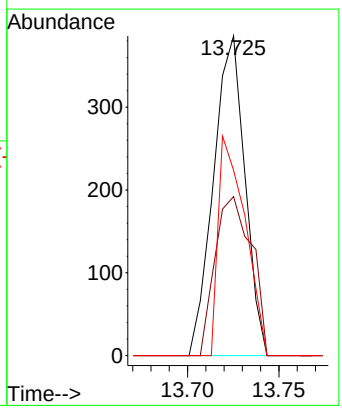
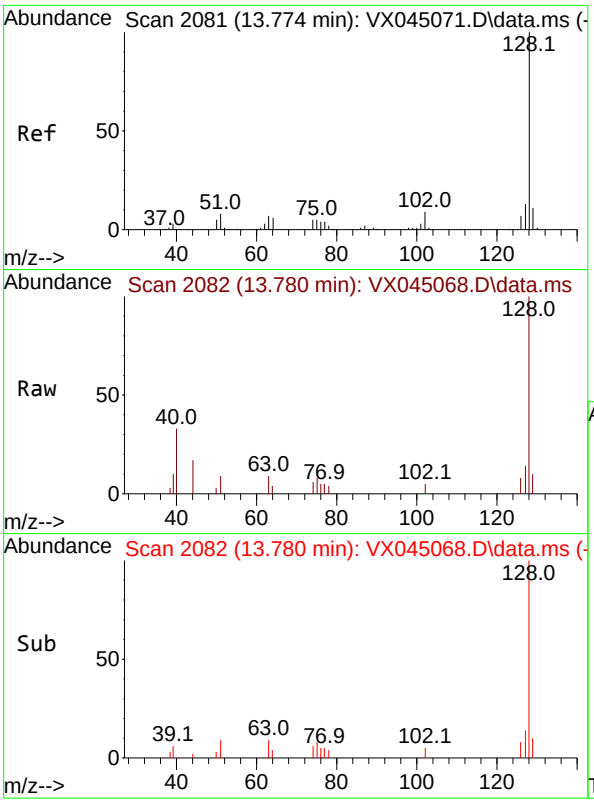


#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:225 Resp: 462

Ion	Ratio	Lower	Upper
225	100		
223	57.8	31.9	95.7
227	58.7	31.4	94.0

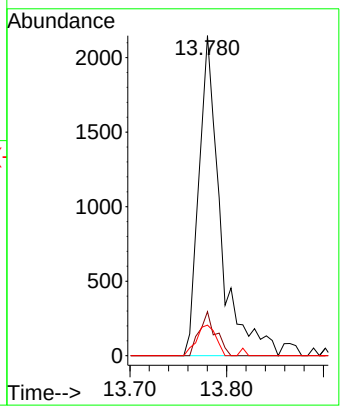




#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:128 Resp: 333

Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	8.6	8.7	13.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
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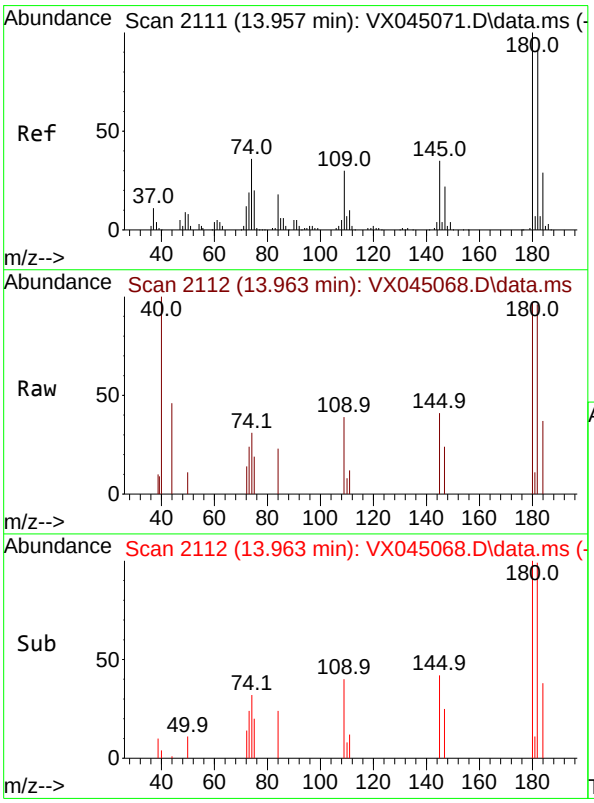
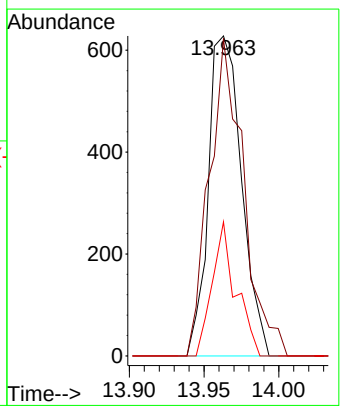


#96
1,2,3-Trichlorobenzene
Concen: 0.759 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 969

Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.5	142.6
145	29.8	17.0	50.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	107391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	194243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	8978	5.659	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 11.320%#			
35) Dibromofluoromethane	5.391	113	6398	5.039	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.080%#			
50) Toluene-d8	8.647	98	24037	5.057	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.120%#			
62) 4-Bromofluorobenzene	11.079	95	7436	4.685	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.360%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	6941	4.689	ug/l	96
3) Chloromethane	1.307	50	8819	4.896	ug/l	99
4) Vinyl Chloride	1.374	62	8106	4.608	ug/l	94
5) Bromomethane	1.593	94	3620	6.582	ug/l	96
6) Chloroethane	1.660	64	4517	6.746	ug/l	91
7) Trichlorofluoromethane	1.867	101	11392	5.056	ug/l	95
8) Diethyl Ether	2.136	74	4314	5.268	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	6586	4.894	ug/l	98
10) Methyl Iodide	2.441	142	6520	3.780	ug/l	95
11) Tert butyl alcohol	2.983	59	10164m	34.976	ug/l	
12) 1,1-Dichloroethene	2.313	96	6658	4.819	ug/l	94
13) Acrolein	2.233	56	8725	27.725	ug/l	97
14) Allyl chloride	2.654	41	11244	4.527	ug/l	96
15) Acrylonitrile	3.068	53	21381	27.072	ug/l	99
16) Acetone	2.386	43	19512	29.891	ug/l	97
17) Carbon Disulfide	2.502	76	16984	4.518	ug/l	99
18) Methyl Acetate	2.703	43	8964	4.559	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	20546	4.651	ug/l	95
20) Methylene Chloride	2.782	84	7835	5.068	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	6651	4.895	ug/l	94
22) Diisopropyl ether	3.763	45	23151	4.875	ug/l #	82
23) Vinyl Acetate	3.721	43	88852	22.788	ug/l	98
24) 1,1-Dichloroethane	3.605	63	13132	4.949	ug/l	99
25) 2-Butanone	4.574	43	29277	27.819	ug/l	99
26) 2,2-Dichloropropane	4.471	77	6034	3.059	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	8012	4.892	ug/l	97
28) Bromochloromethane	4.904	49	6797	5.311	ug/l #	96
29) Tetrahydrofuran	5.013	42	20186	28.950	ug/l	99
30) Chloroform	5.093	83	13390	5.159	ug/l	96
31) Cyclohexane	5.464	56	10968	4.504	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	10654	4.876	ug/l	100
36) 1,1-Dichloropropene	5.690	75	8977	4.917	ug/l #	83
37) Ethyl Acetate	4.727	43	10459	5.035	ug/l	98
38) Carbon Tetrachloride	5.666	117	8997	5.013	ug/l	95
39) Methylcyclohexane	7.379	83	10291	4.414	ug/l	97
40) Benzene	6.037	78	28339	4.966	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	5700	5.136 ug/l	95
42) 1,2-Dichloroethane	6.092	62	10189	5.510 ug/l	98
43) Isopropyl Acetate	6.348	43	15543	4.700 ug/l	99
44) Trichloroethene	7.129	130	6827	5.234 ug/l	99
45) 1,2-Dichloropropane	7.427	63	7342	5.177 ug/l	95
46) Dibromomethane	7.586	93	5146	5.195 ug/l	97
47) Bromodichloromethane	7.824	83	9773	5.100 ug/l	99
48) Methyl methacrylate	7.696	41	8201	5.224 ug/l	95
49) 1,4-Dioxane	7.665	88	3531	105.826 ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	55320	27.303 ug/l	99
52) Toluene	8.720	92	16933	4.997 ug/l	99
53) t-1,3-Dichloropropene	8.982	75	7548	3.985 ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	8988	4.244 ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	6759	5.151 ug/l	97
56) Ethyl methacrylate	9.116	69	9712	4.628 ug/l	98
57) 1,3-Dichloropropane	9.305	76	12106	5.289 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	23212	22.527 ug/l	99
59) 2-Hexanone	9.433	43	39994	27.363 ug/l	99
60) Dibromochloromethane	9.519	129	6785	4.846 ug/l	98
61) 1,2-Dibromoethane	9.610	107	6832	5.161 ug/l	95
64) Tetrachloroethene	9.269	164	5615	5.128 ug/l	93
65) Chlorobenzene	10.079	112	18161	4.908 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	5702	4.781 ug/l	96
67) Ethyl Benzene	10.195	91	30918	4.725 ug/l	98
68) m/p-Xylenes	10.299	106	23152	9.608 ug/l	97
69) o-Xylene	10.640	106	11881	4.914 ug/l	95
70) Styrene	10.659	104	18278	4.704 ug/l	99
71) Bromoform	10.799	173	4027	4.541 ug/l #	98
73) Isopropylbenzene	10.963	105	29685	4.991 ug/l	98
74) N-amyl acetate	10.848	43	11609	4.300 ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10881	5.310 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	8839m	5.384 ug/l	
77) Bromobenzene	11.195	156	6970	5.163 ug/l	96
78) n-propylbenzene	11.305	91	32196	4.694 ug/l	99
79) 2-Chlorotoluene	11.366	91	21253	5.048 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	23627	4.897 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	1971	3.256 ug/l #	83
82) 4-Chlorotoluene	11.457	91	22190	4.761 ug/l	98
83) tert-Butylbenzene	11.713	119	23960	4.910 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	23561	4.960 ug/l	99
85) sec-Butylbenzene	11.890	105	28314	4.687 ug/l	99
86) p-Isopropyltoluene	12.006	119	21977	4.532 ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	12157	4.926 ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	12526	5.014 ug/l	96
89) n-Butylbenzene	12.335	91	17358	4.072 ug/l	99
90) Hexachloroethane	12.536	117	3665	4.052 ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	12477	5.138 ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1787	4.712 ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	6040	4.114 ug/l	97
94) Hexachlorobutadiene	13.725	225	2716	4.640 ug/l	97
95) Naphthalene	13.780	128	22927	4.287 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	6600	4.437 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

ICAL Form

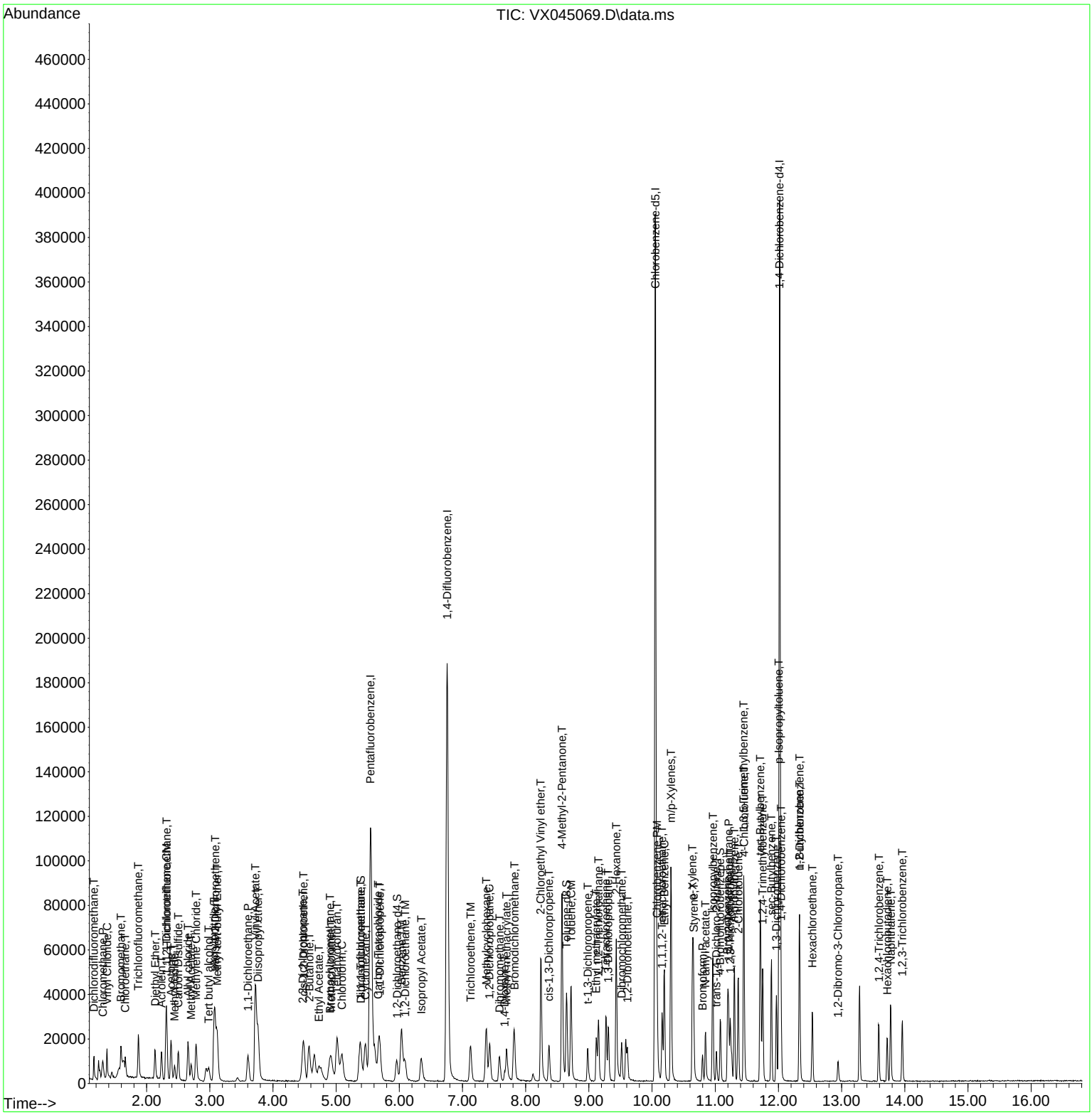
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

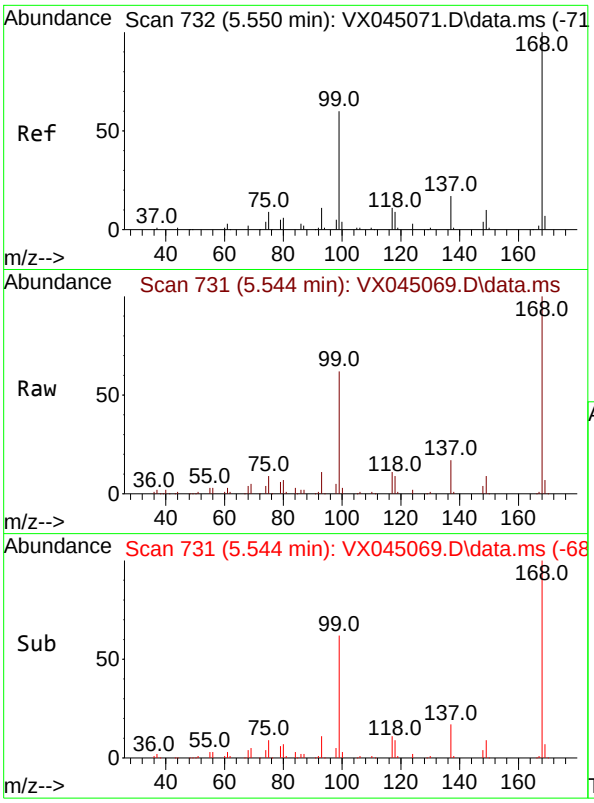
Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

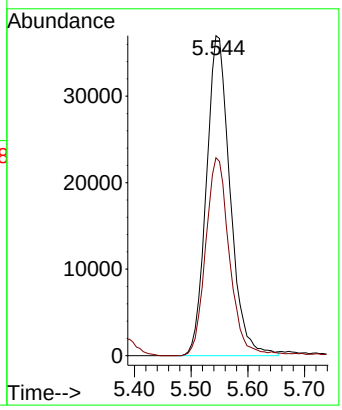




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:168 Resp: 10739

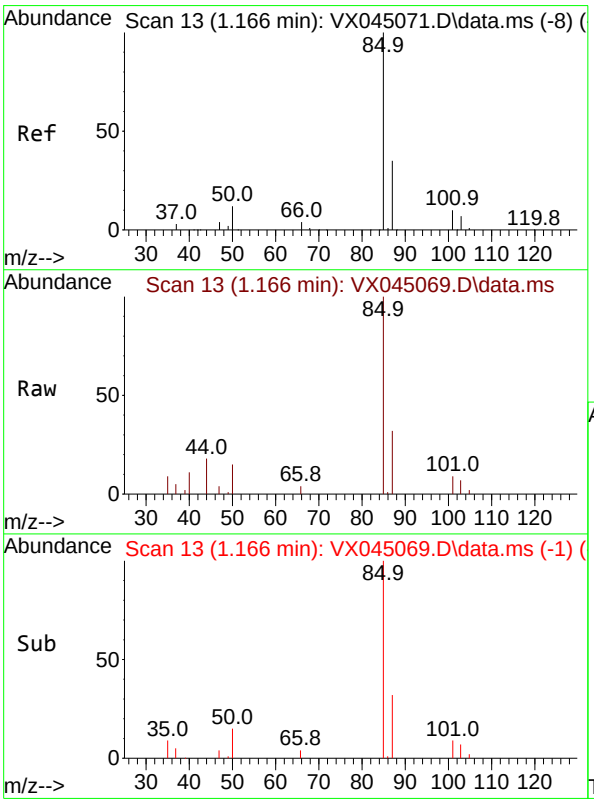
Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

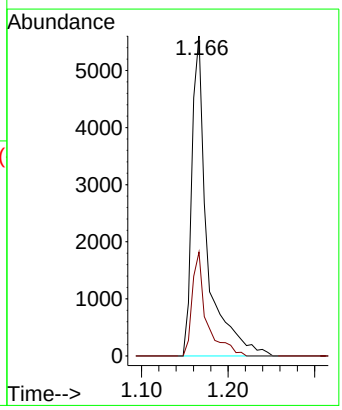
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

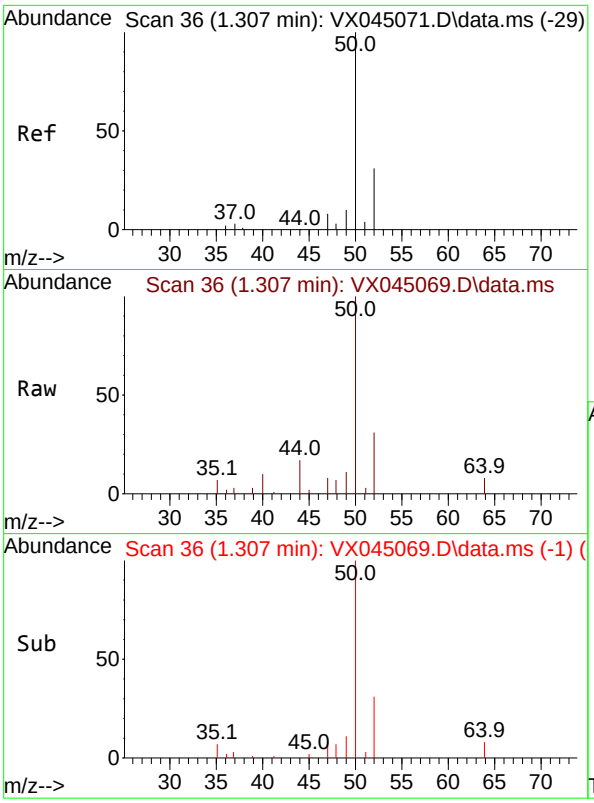


#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.4	52.3

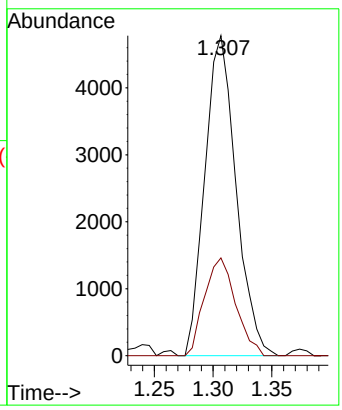




#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 50 Resp: 881

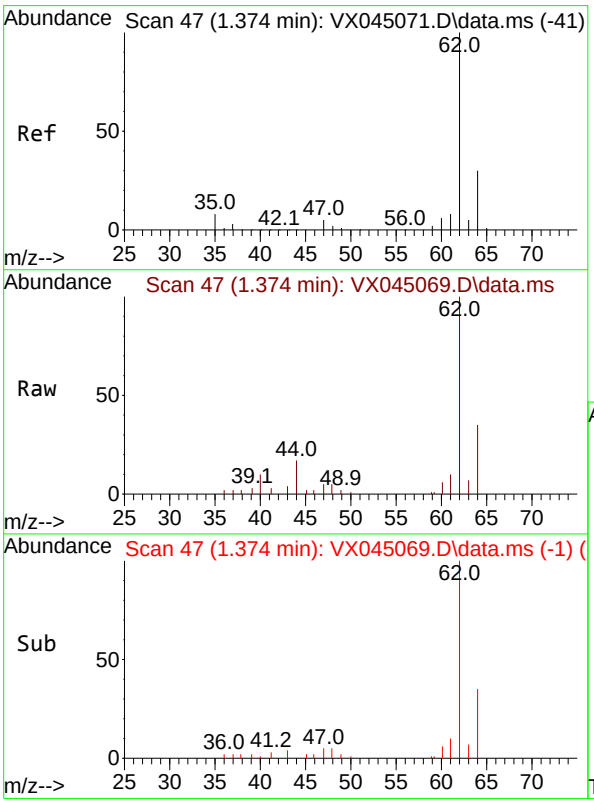
Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

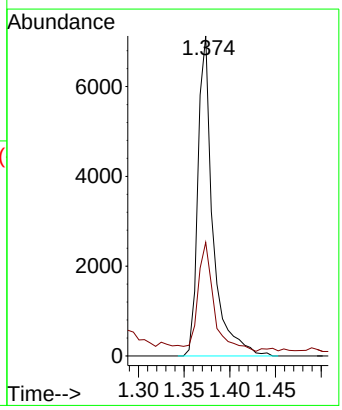
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

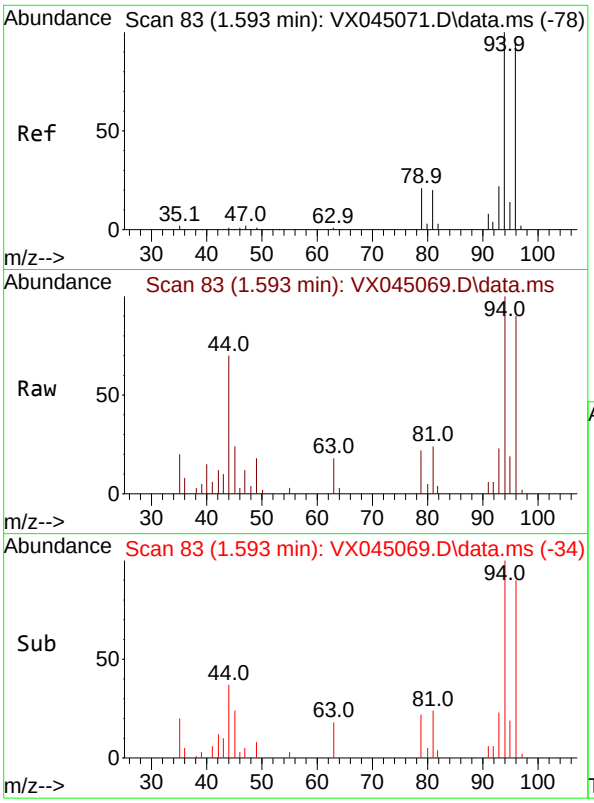


#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.3	36.5

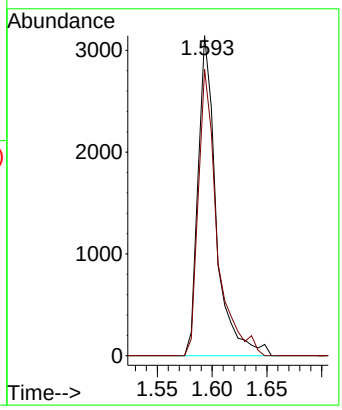




#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 94 Resp: 362

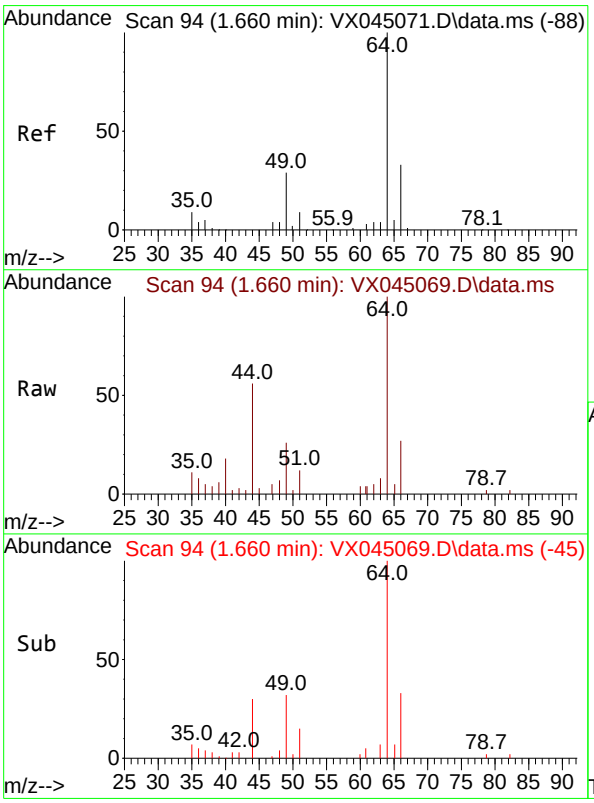
Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

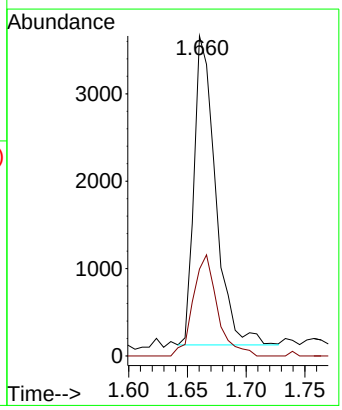
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

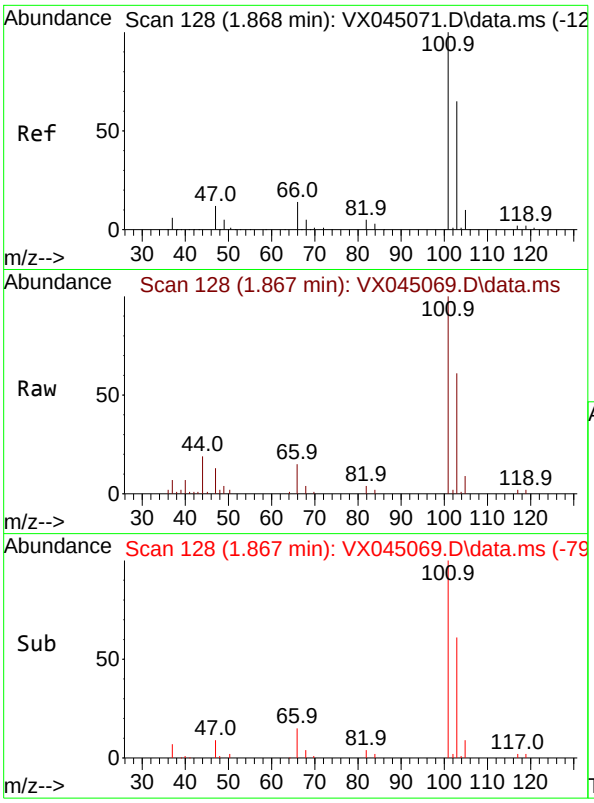


#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 64 Resp: 4517

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.7	40.1

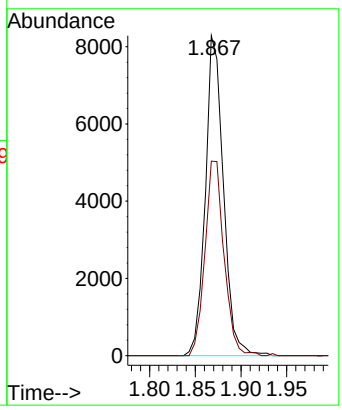




#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:101 Resp: 1139

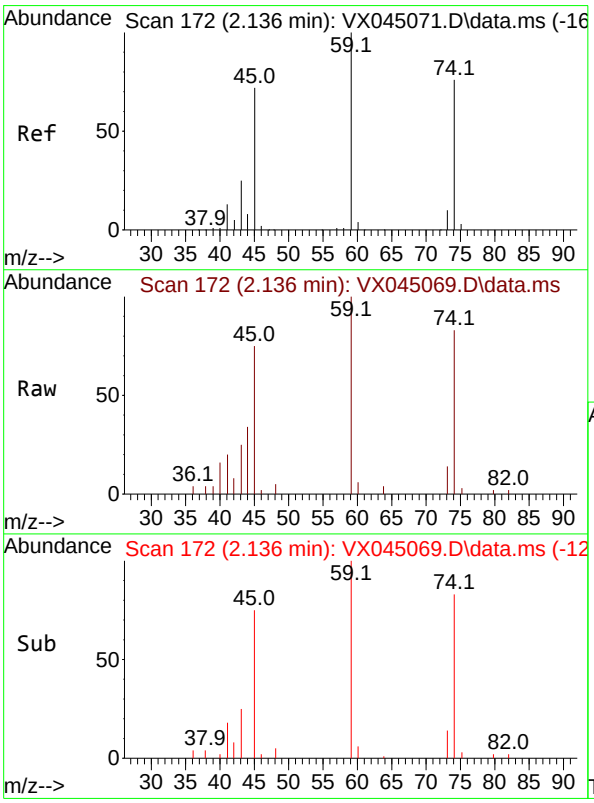
Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

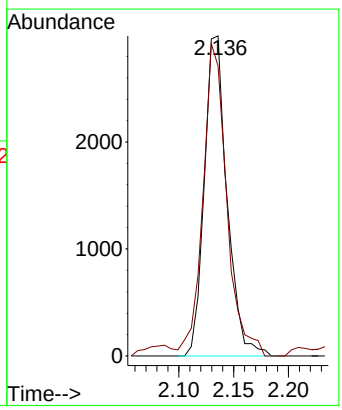
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

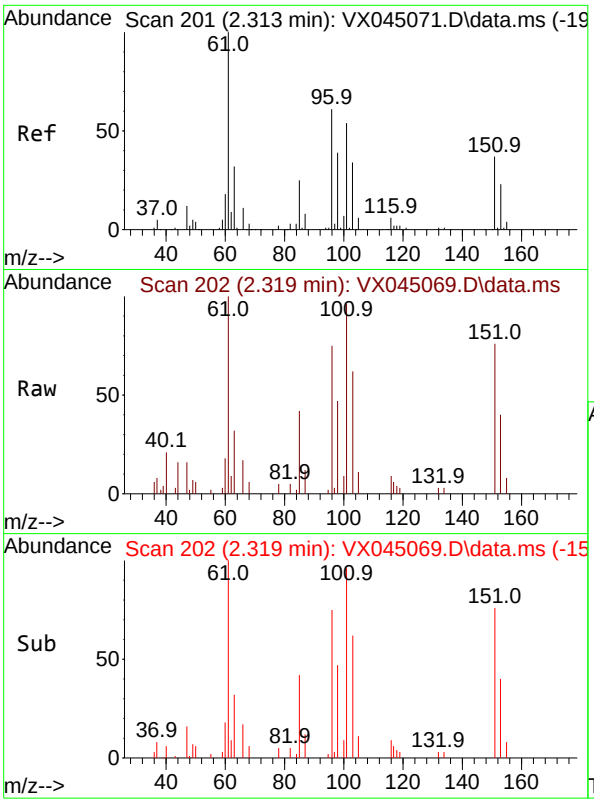


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 74 Resp: 4314

Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.894 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

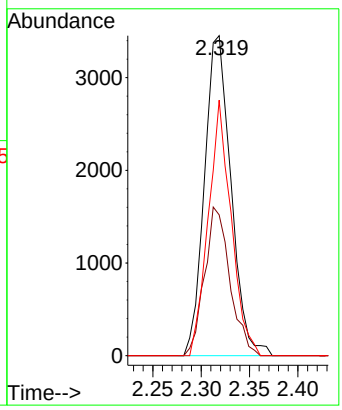
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

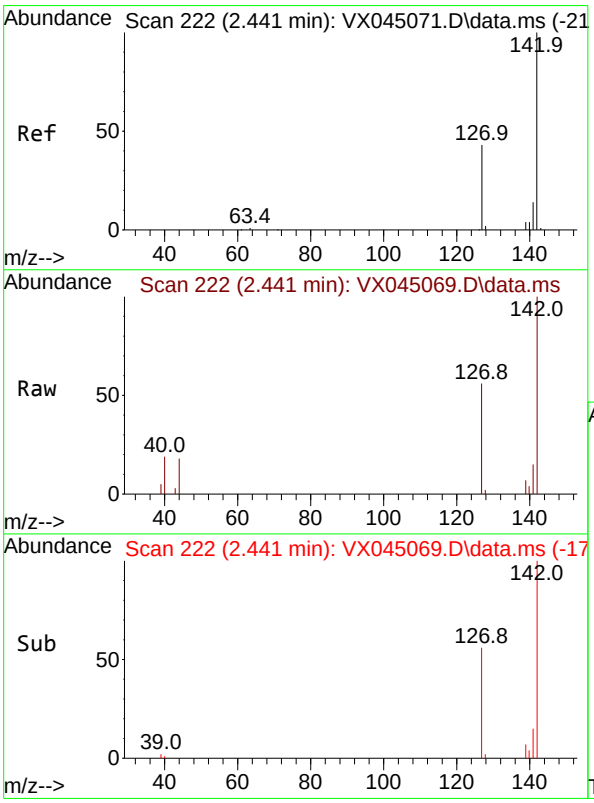
Tgt Ion:101 Resp: 658(

Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	69.0	56.4	84.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

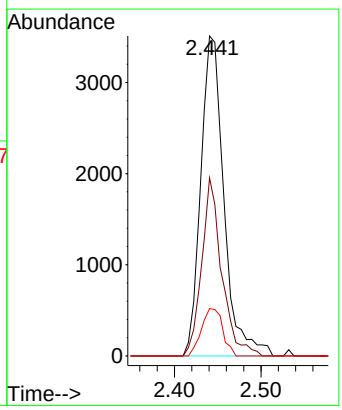


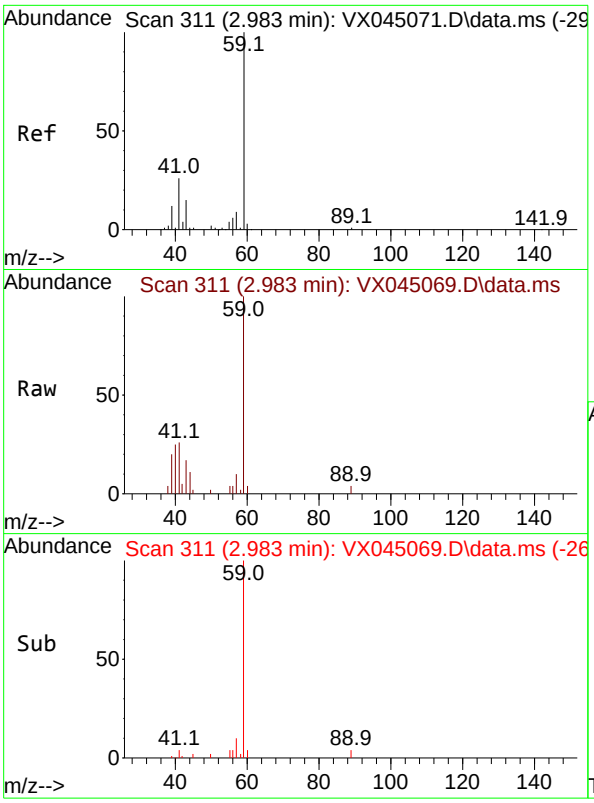


#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:142 Resp: 6520

Ion	Ratio	Lower	Upper
142	100		
127	48.1	35.4	53.2
141	13.5	11.6	17.4





#11
Tert butyl alcohol
Concen: 34.976 ug/l m
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

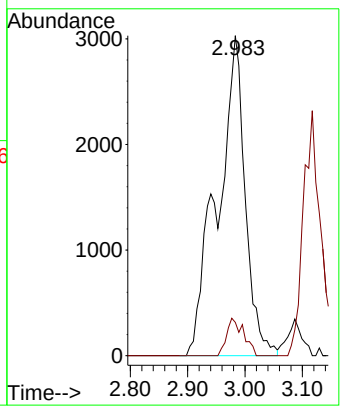
Tgt Ion: 59 Resp: 1016

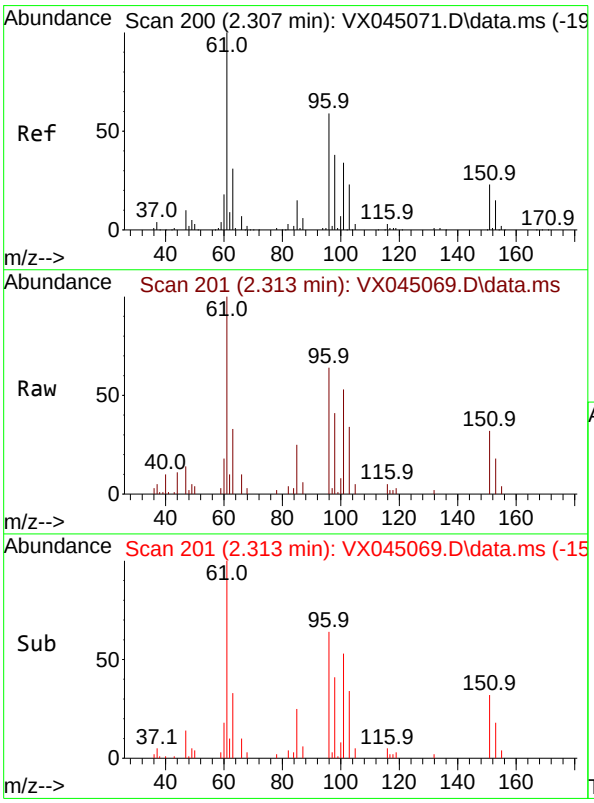
Ion	Ratio	Lower	Upper
59	100		
57	7.2	7.8	11.8#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

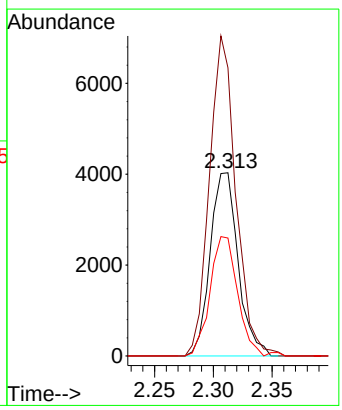


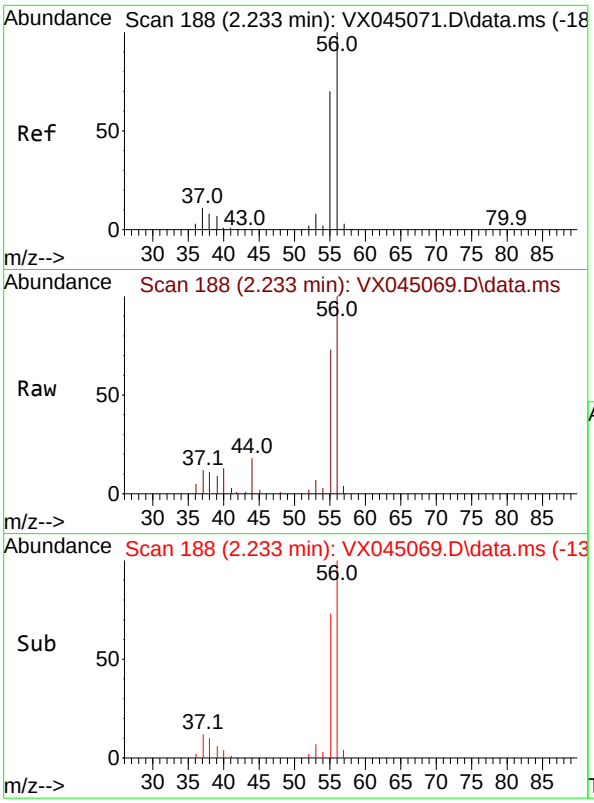


#12
1,1-Dichloroethene
Concen: 4.819 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 6658

Ion	Ratio	Lower	Upper
96	100		
61	157.3	134.6	202.0
98	64.3	51.0	76.6

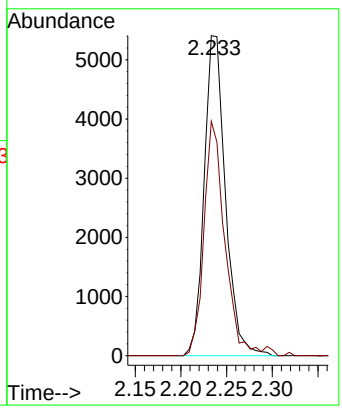




#13
Acrolein
Concen: 27.725 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 56 Resp: 872

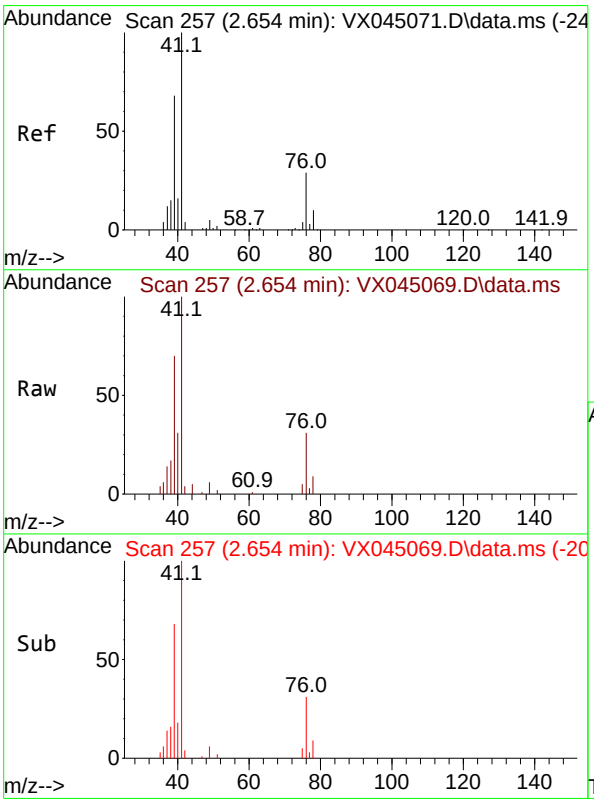
Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

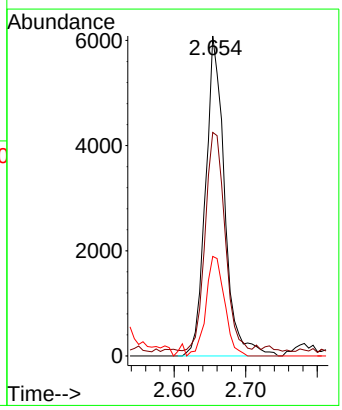
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

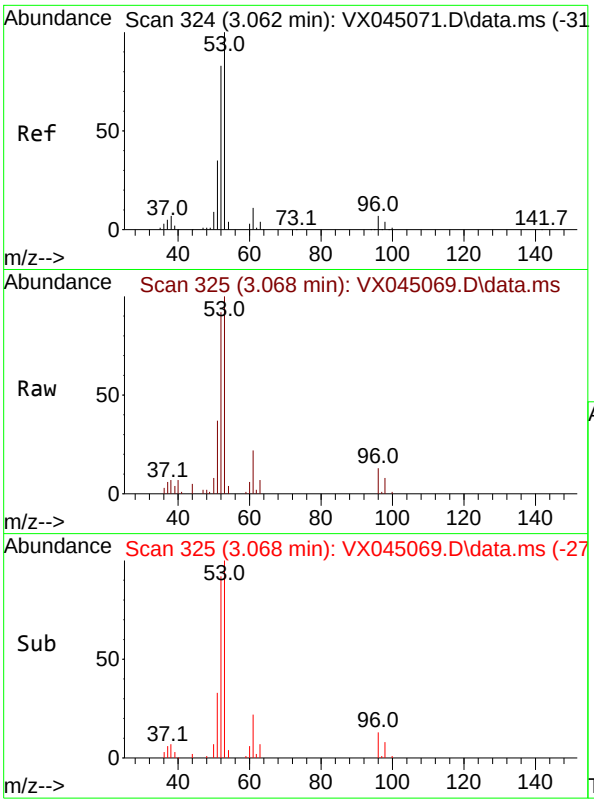


#14
Allyl chloride
Concen: 4.527 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 11244

Ion	Ratio	Lower	Upper
41	100		
39	70.8	53.8	80.8
76	30.4	25.2	37.8

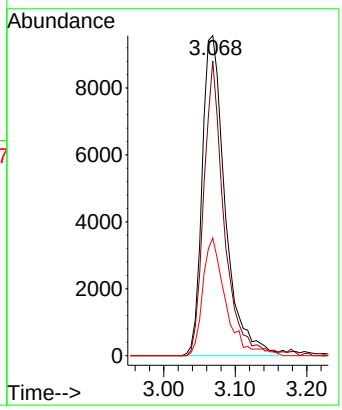




#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 53 Resp: 2138

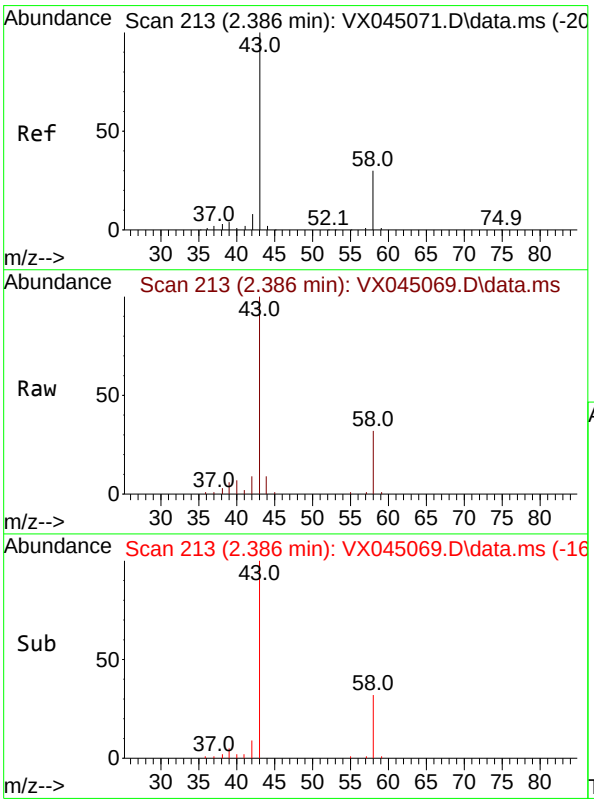
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	36.7	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

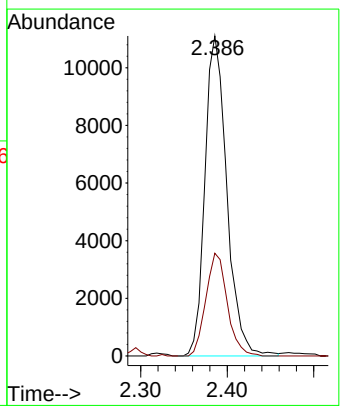
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

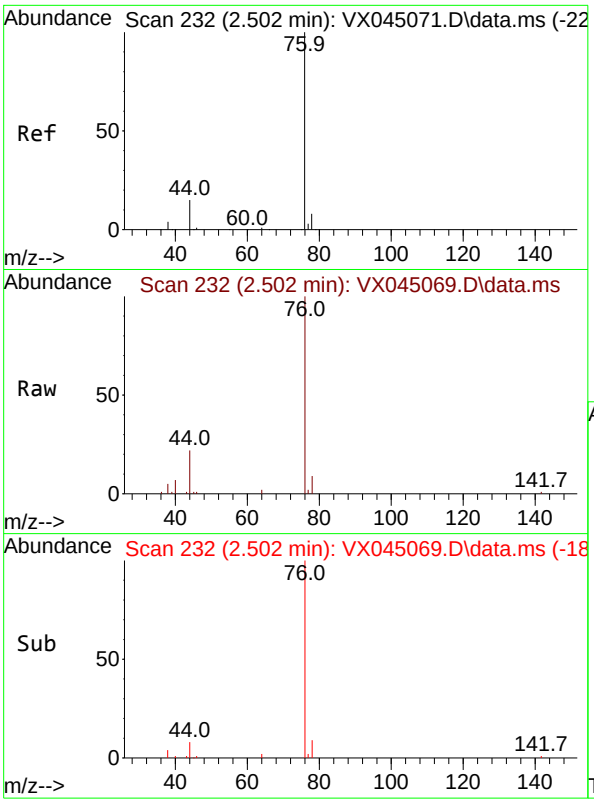


#16
Acetone
Concen: 29.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 19512

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4





#17
Carbon Disulfide
Concen: 4.518 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

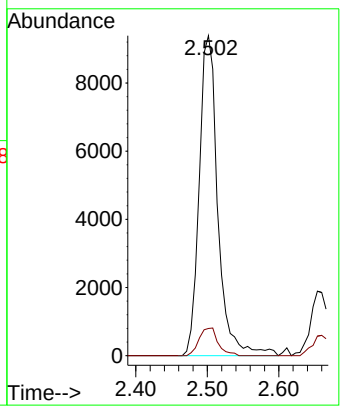
Tgt Ion: 76 Resp: 1698

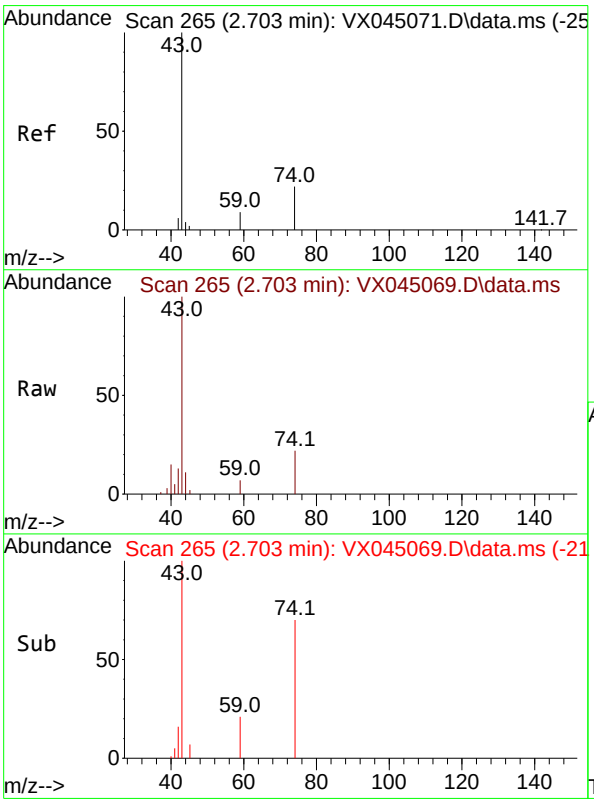
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

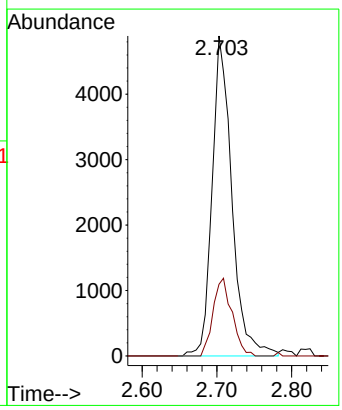


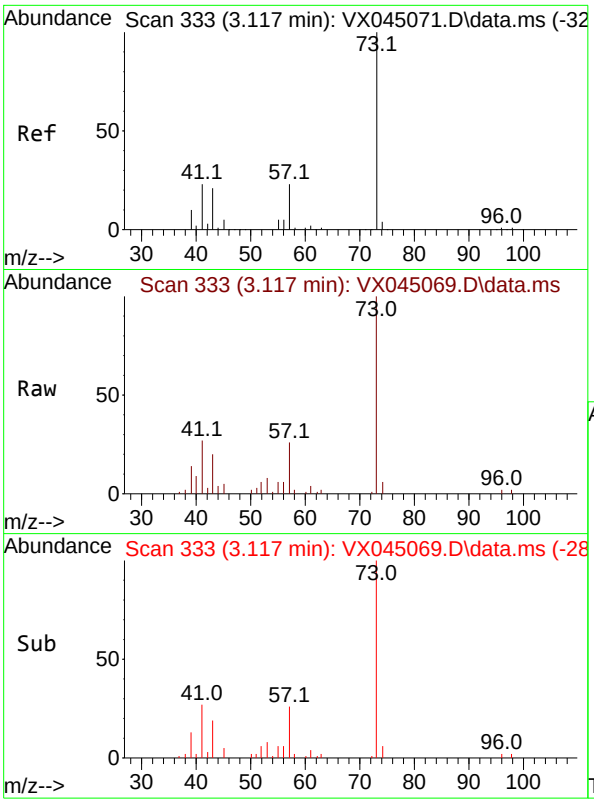


#18
Methyl Acetate
Concen: 4.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 8964

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 4.651 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 73 Resp: 2054

Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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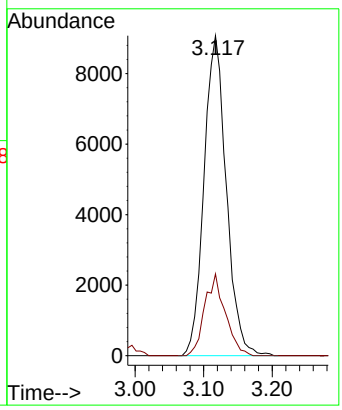
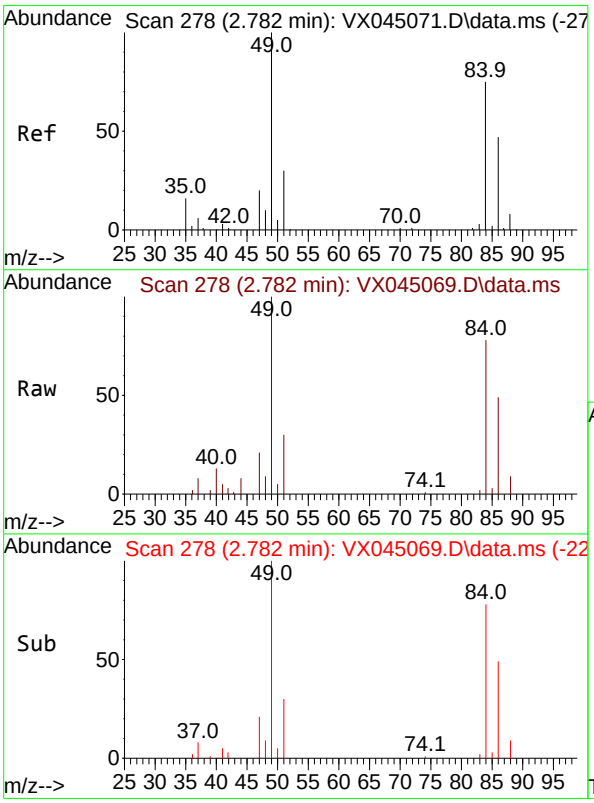
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

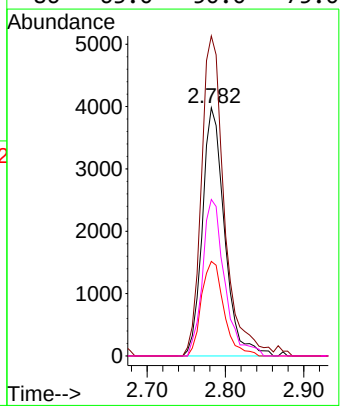


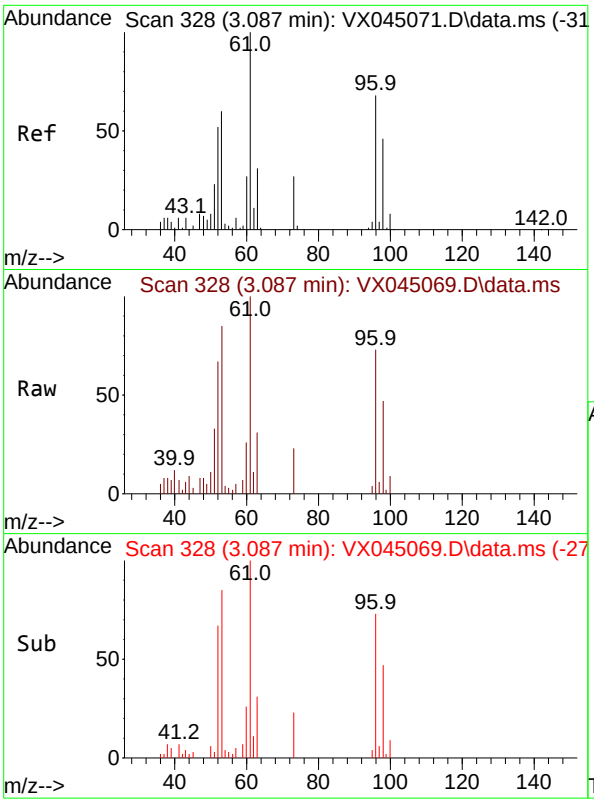


#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 84 Resp: 7835

Ion	Ratio	Lower	Upper
84	100		
49	128.9	106.5	159.7
51	38.1	32.1	48.1
86	63.0	50.0	75.0

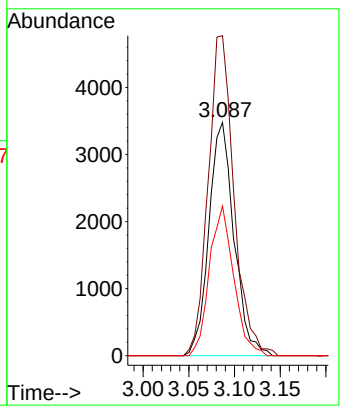




#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 665

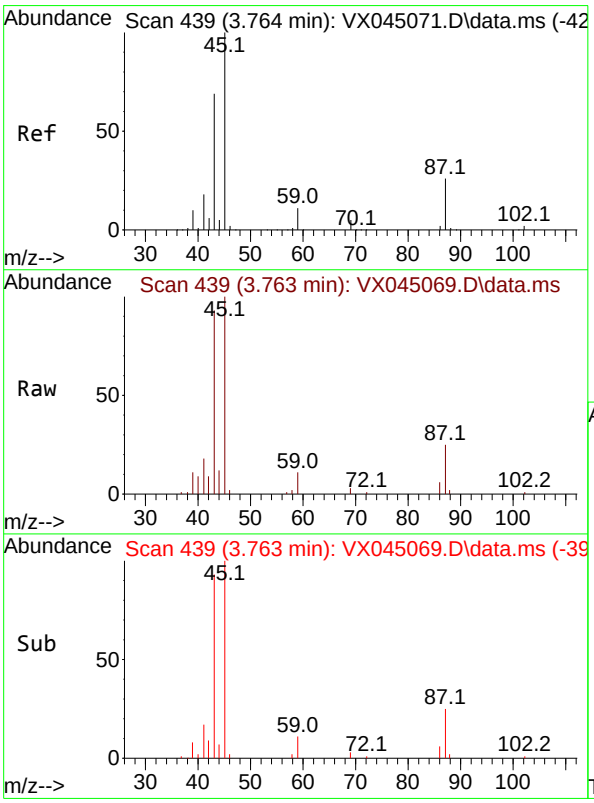
Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	64.1	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

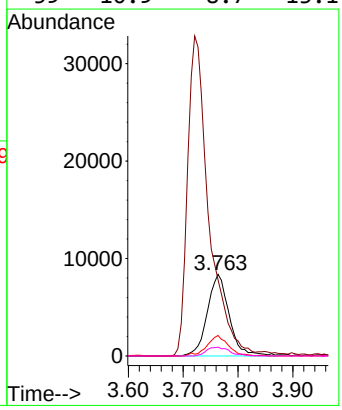
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

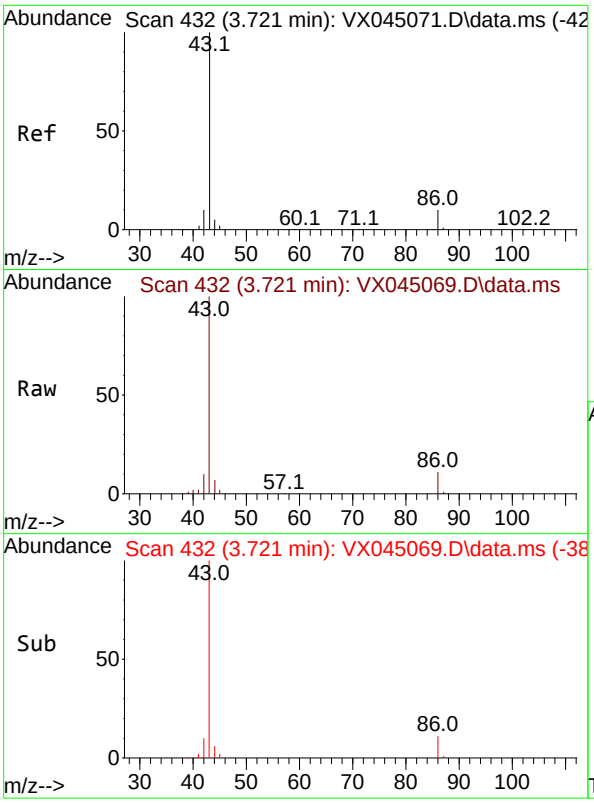


#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 45 Resp: 23151

Ion	Ratio	Lower	Upper
45	100		
43	90.2	54.9	82.3#
87	25.1	21.0	31.4
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 22.788 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 8885

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
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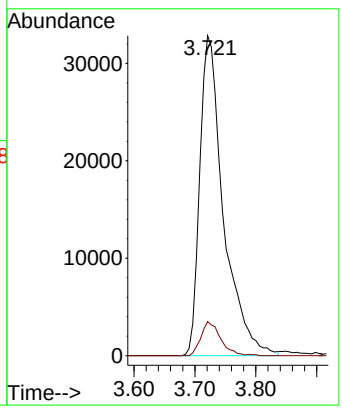
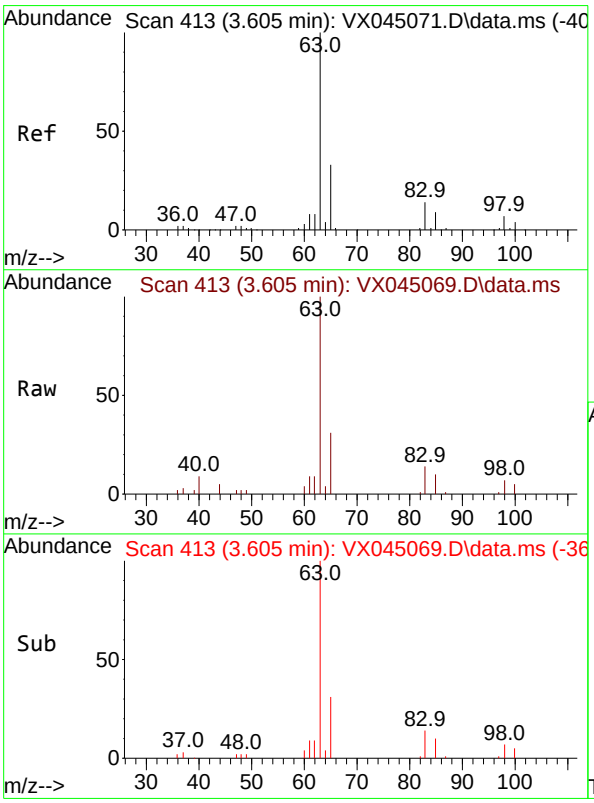
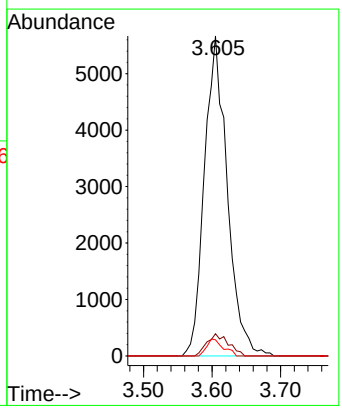


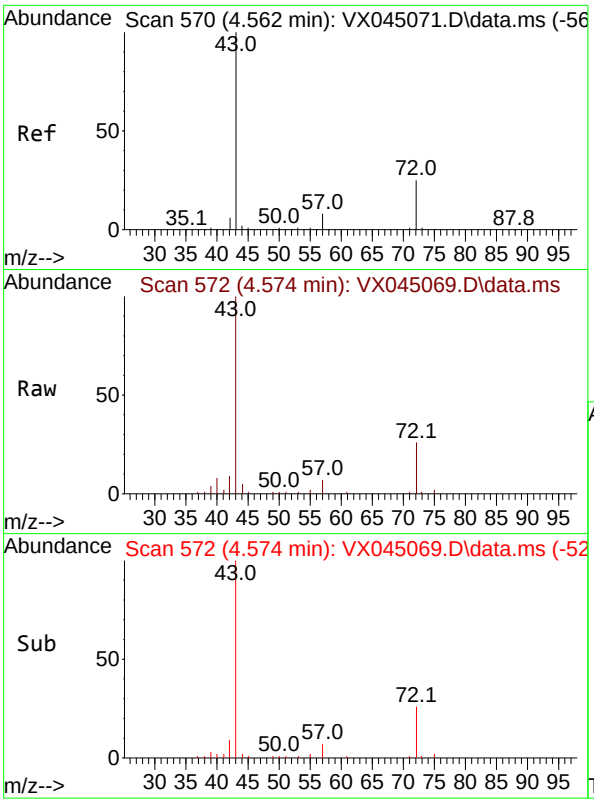


#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 13132

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	5.1	2.1	6.5





#25
2-Butanone
Concen: 27.819 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

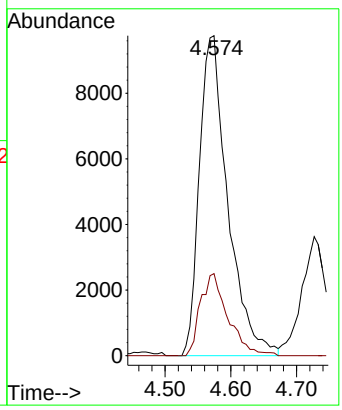
Tgt Ion: 43 Resp: 2927

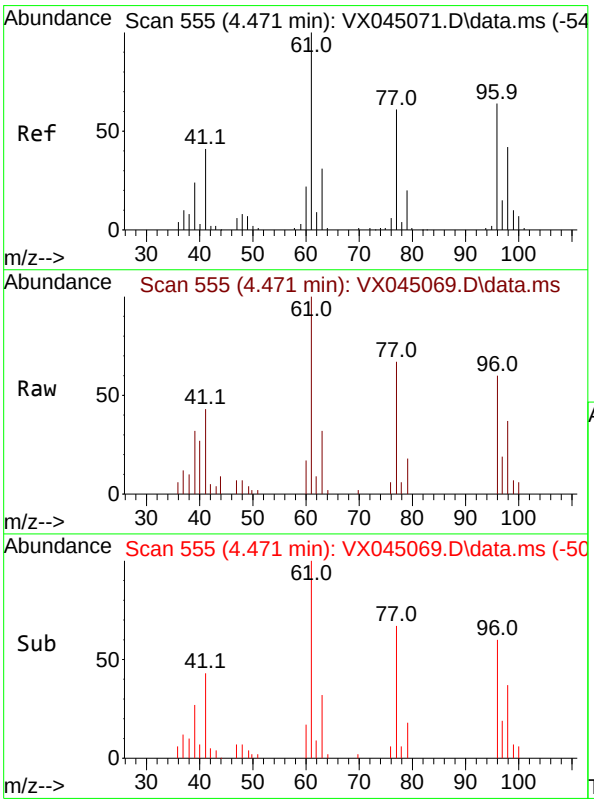
Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

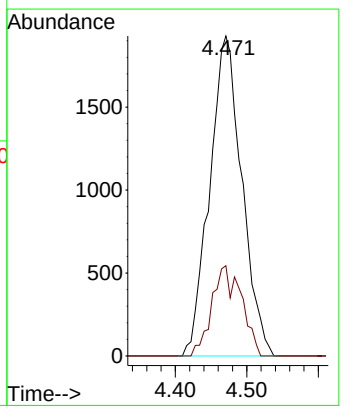


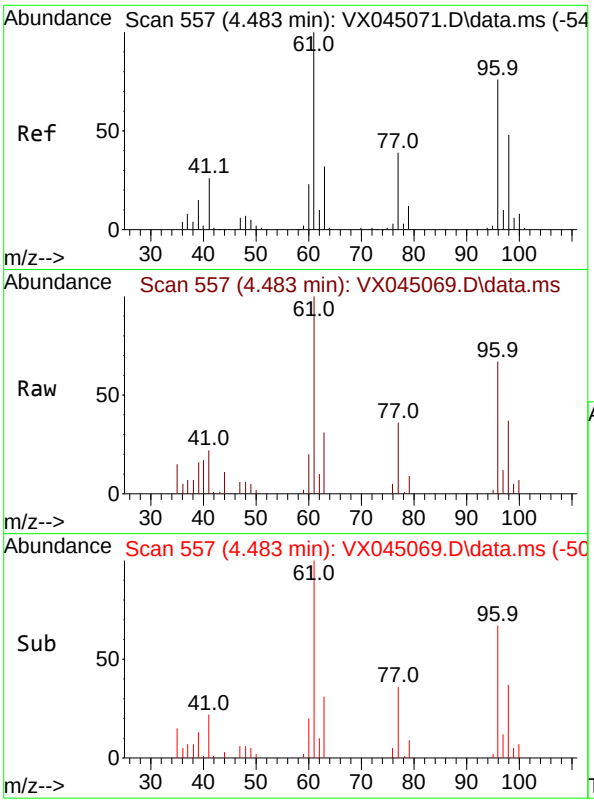


#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 77 Resp: 6034

Ion	Ratio	Lower	Upper
77	100		
97	26.0	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

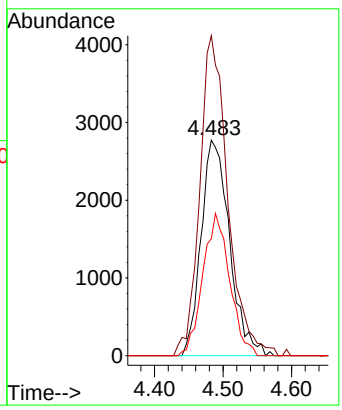
Tgt Ion: 96 Resp: 801

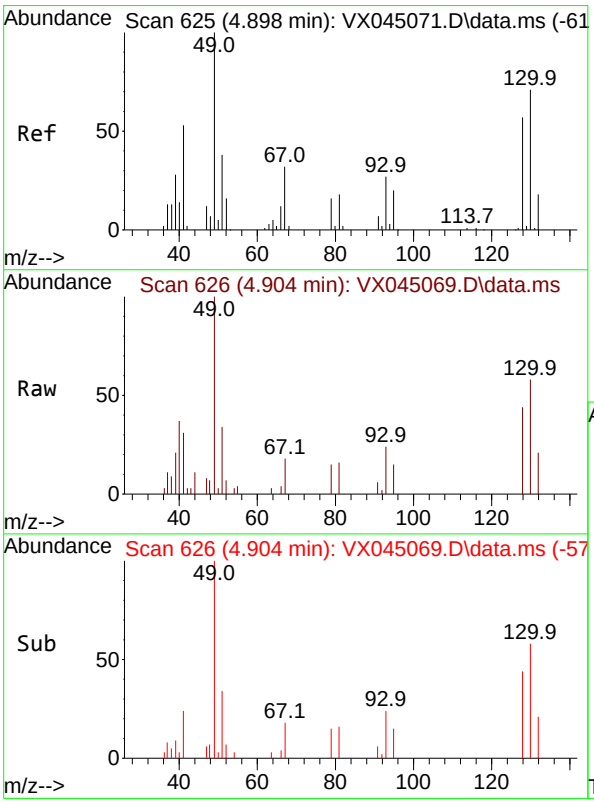
Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	283.2
98	62.0	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

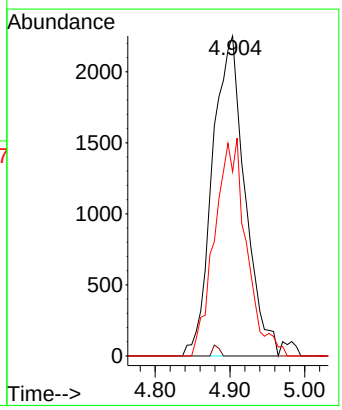


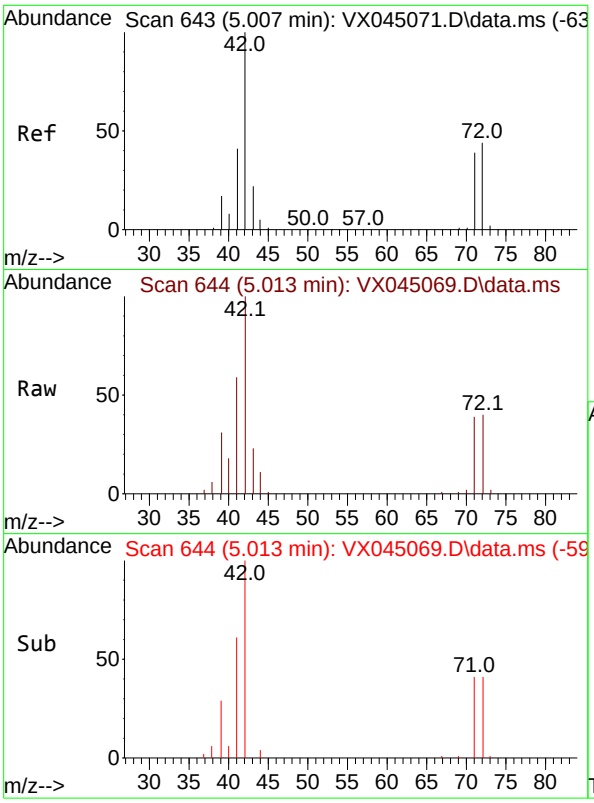


#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 49 Resp: 6797

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	66.5	56.1	84.1





#29
Tetrahydrofuran
Concen: 28.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

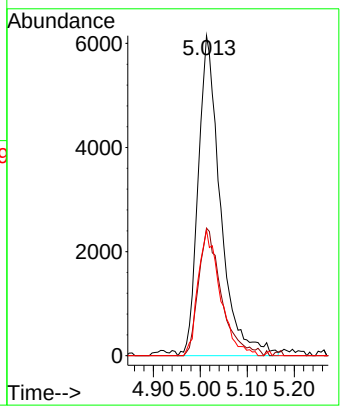
Tgt Ion: 42 Resp: 2018

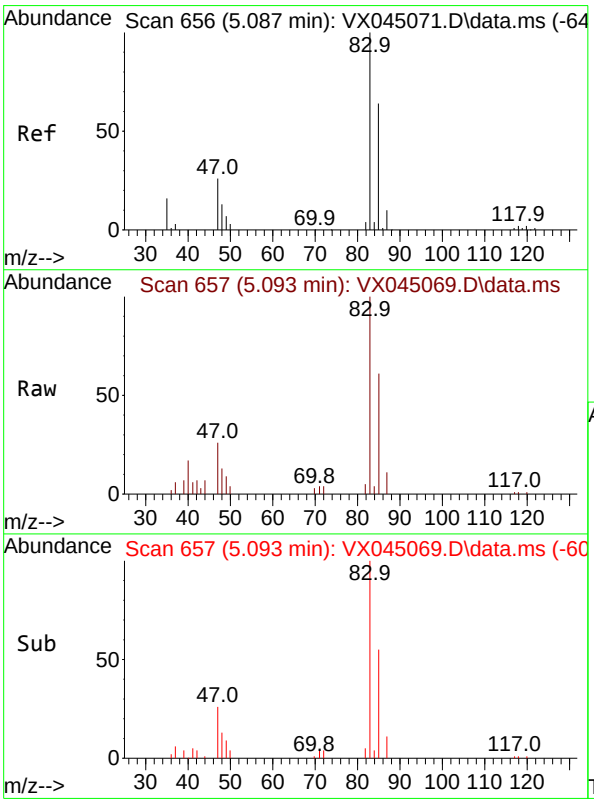
Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.1	51.1
71	39.3	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

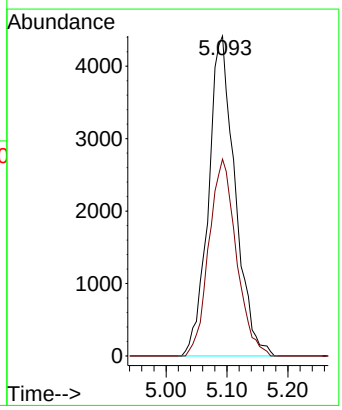


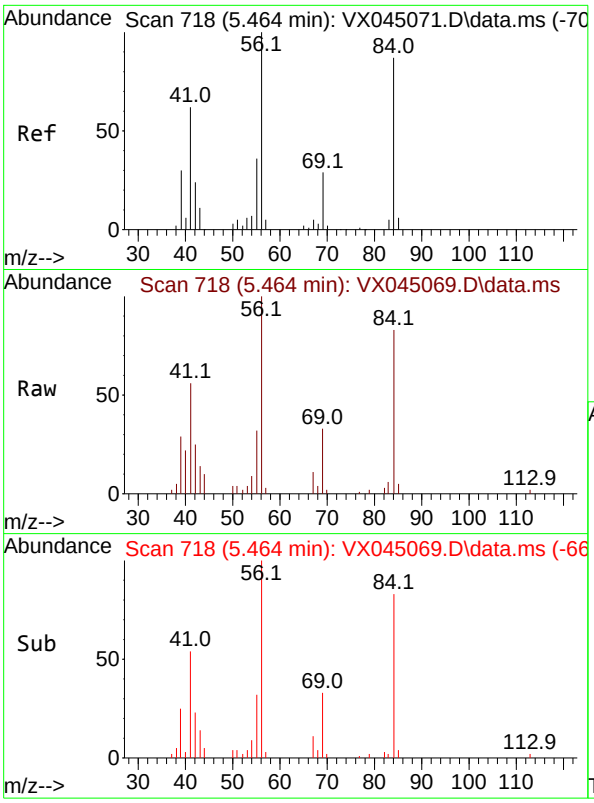


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 13390

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.2





#31
Cyclohexane
Concen: 4.504 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 56 Resp: 1096

Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.4	35.2
84	83.1	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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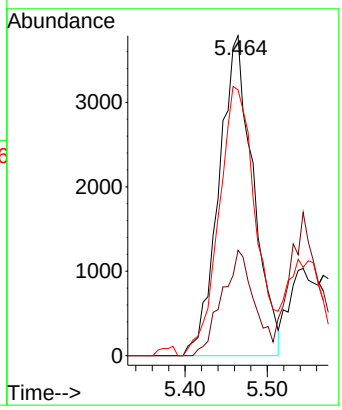
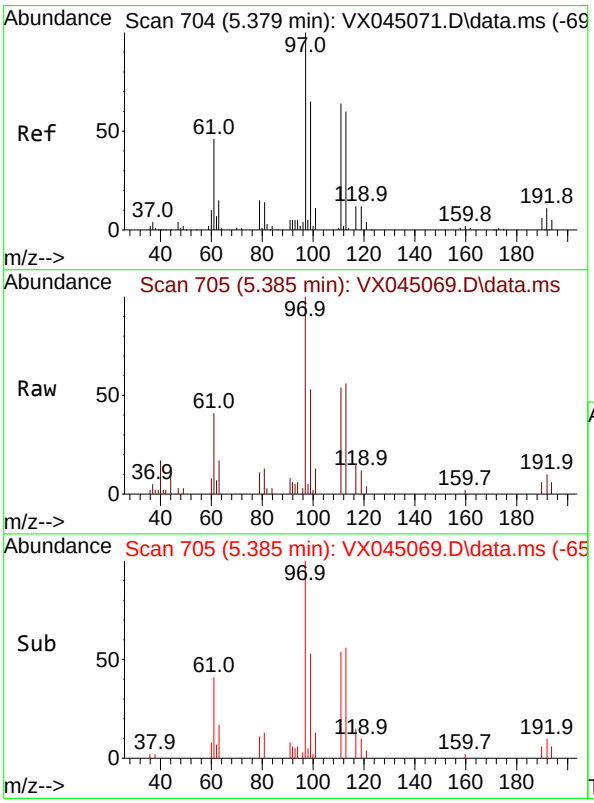
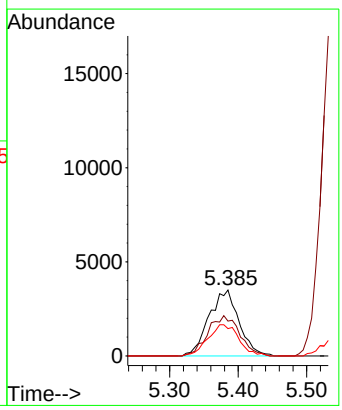


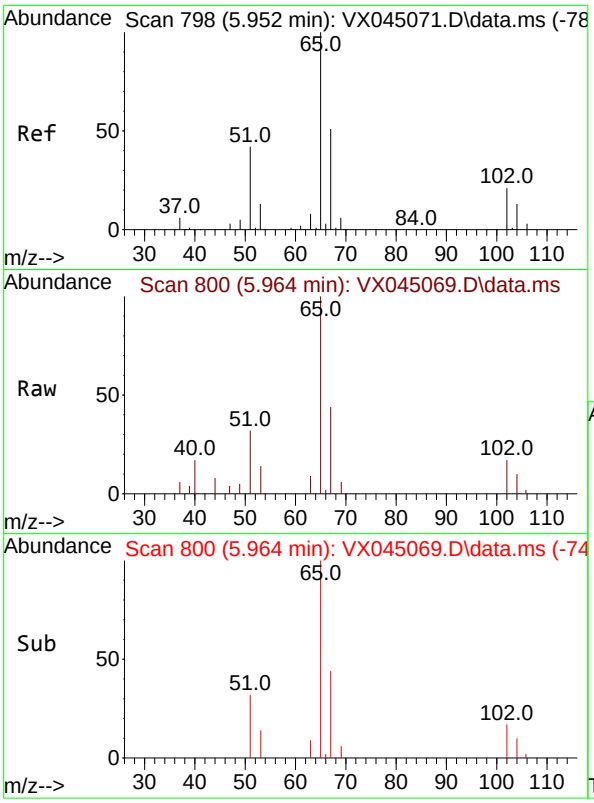


#32
1,1,1-Trichloroethane
Concen: 4.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 10654

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.7	38.4	57.6

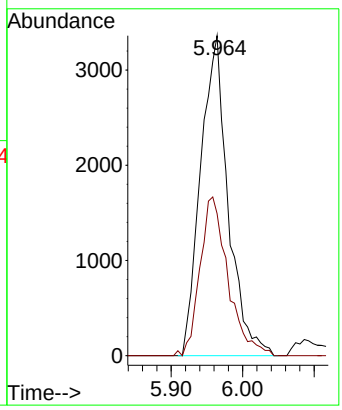




#33
1,2-Dichloroethane-d4
Concen: 5.659 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 65 Resp: 897

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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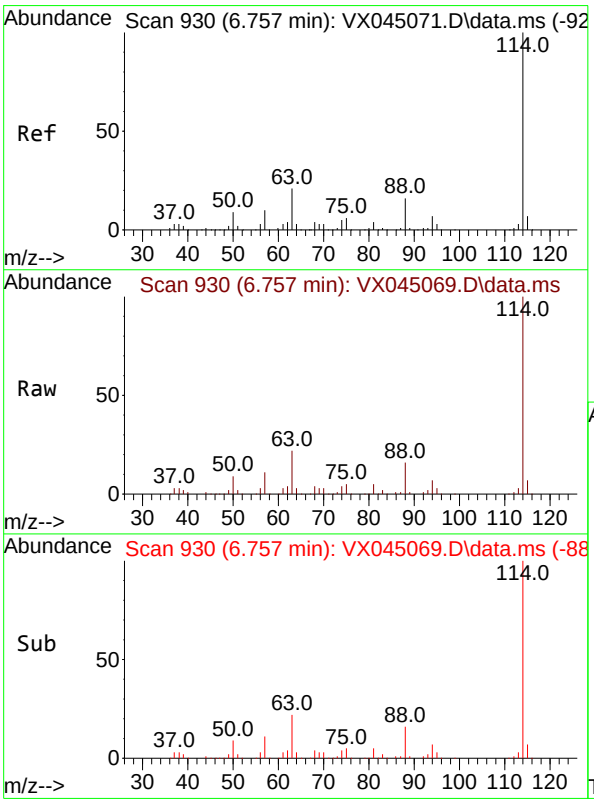
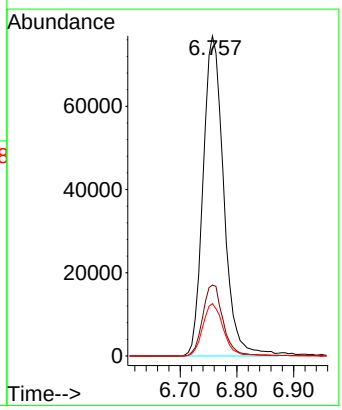
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

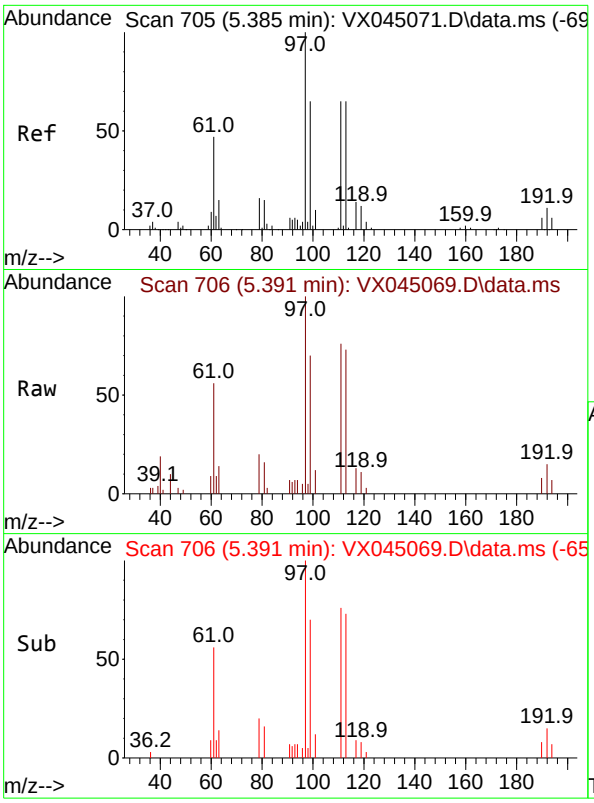


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:114 Resp: 194243

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.8
88	16.4	0.0	32.8

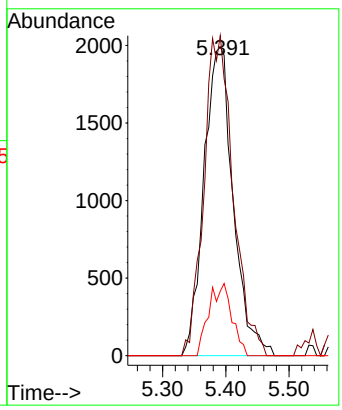




#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:113 Resp: 639

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	18.3	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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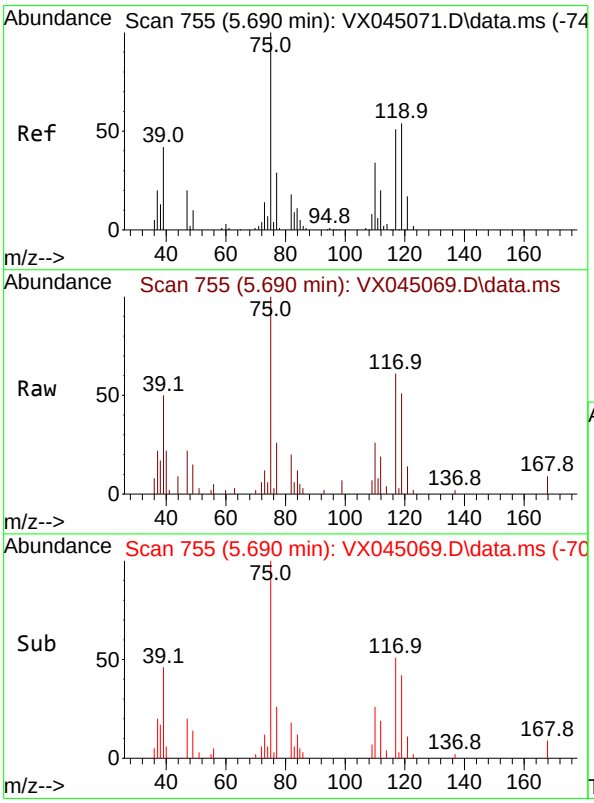
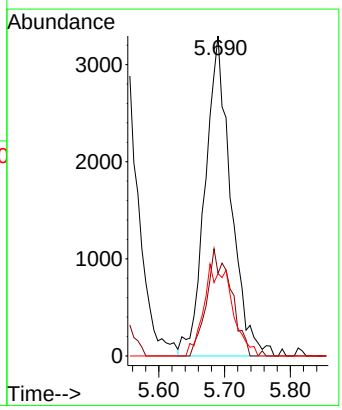
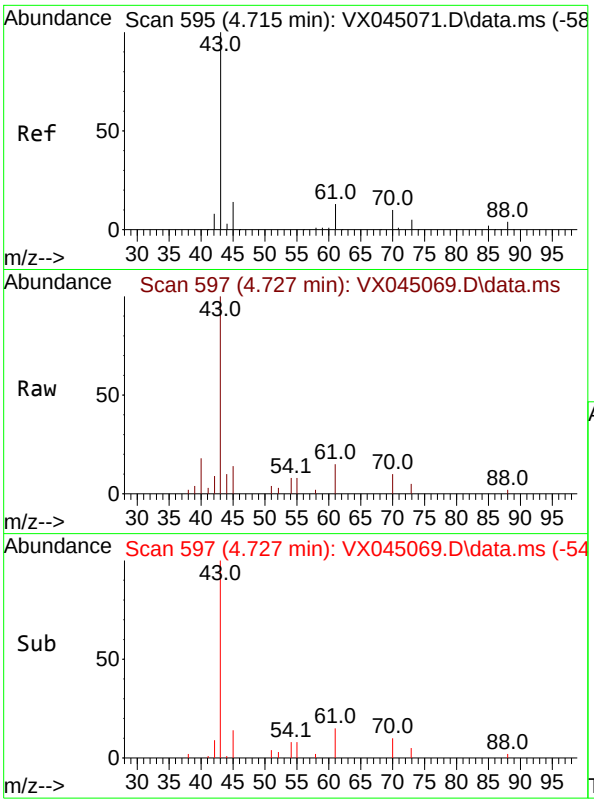


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8977

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.9	50.6
77	13.2	24.5	36.7#

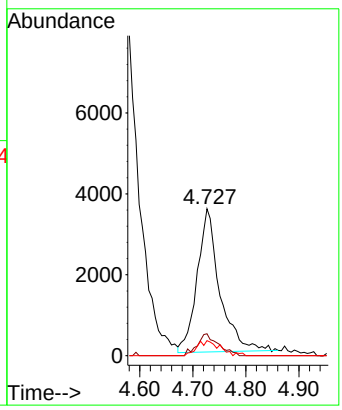




#37
Ethyl Acetate
Concen: 5.035 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 1045

Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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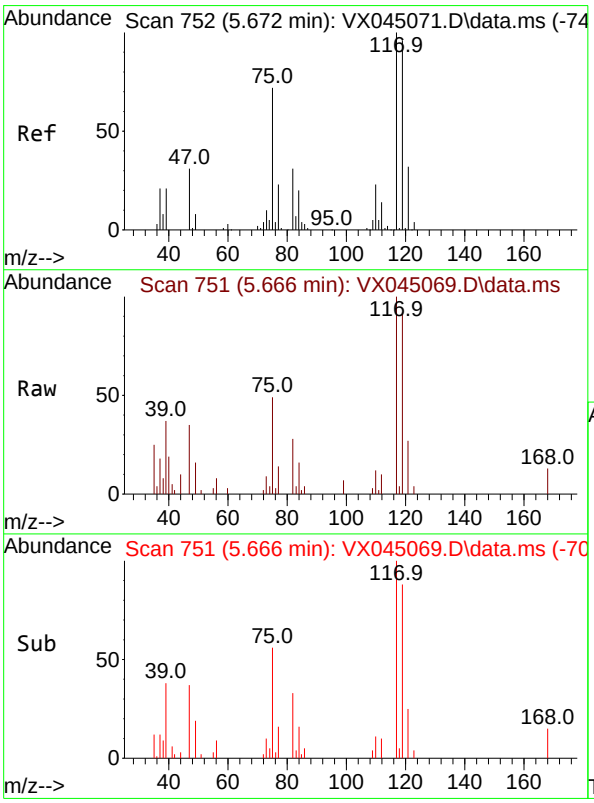
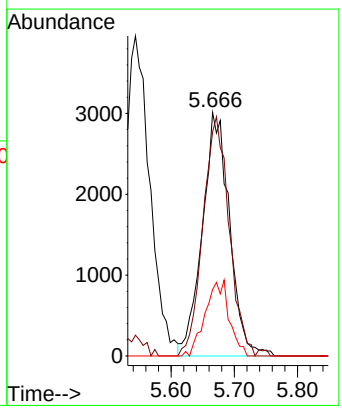
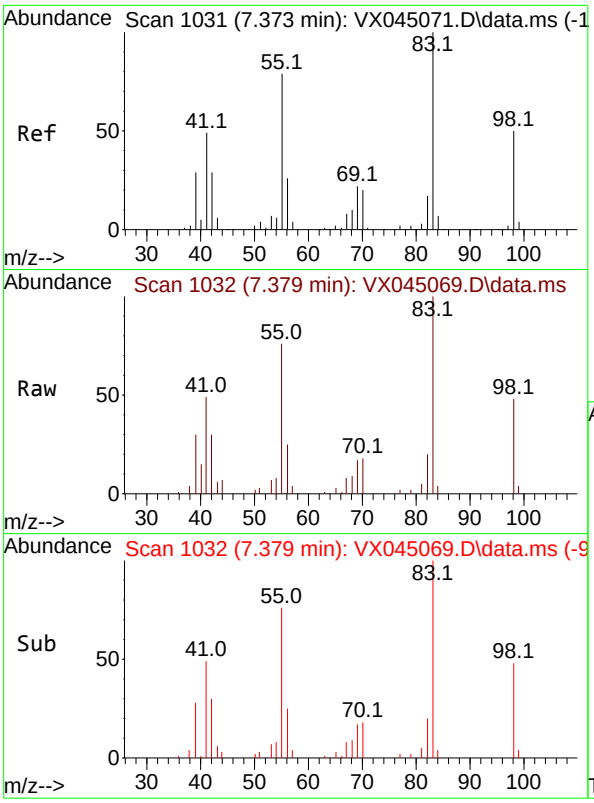


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 8997

Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.7	115.1
121	27.2	25.5	38.3

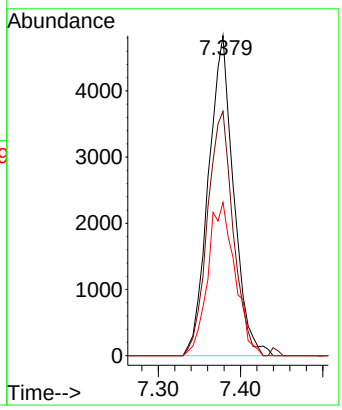




#39
Methylcyclohexane
Concen: 4.414 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1029

Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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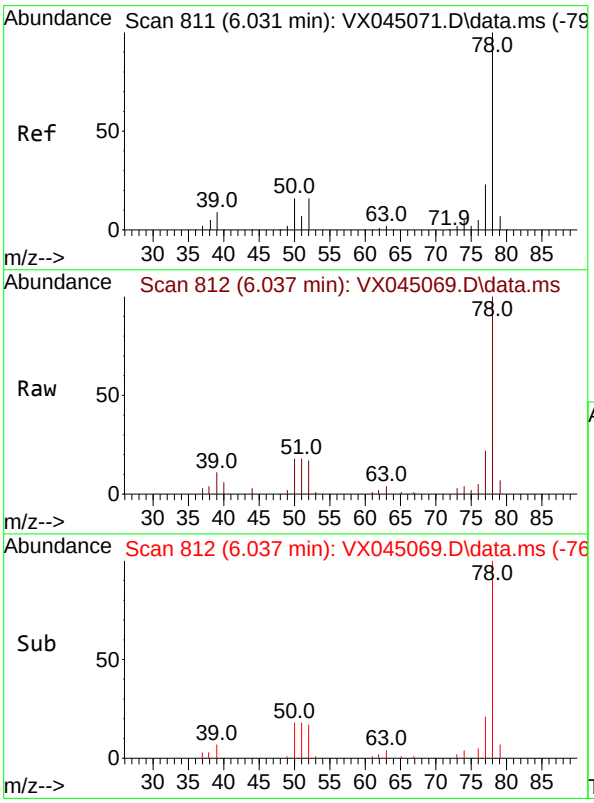
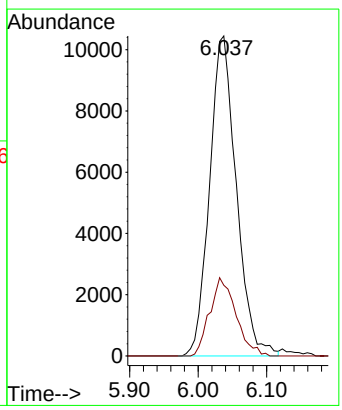
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

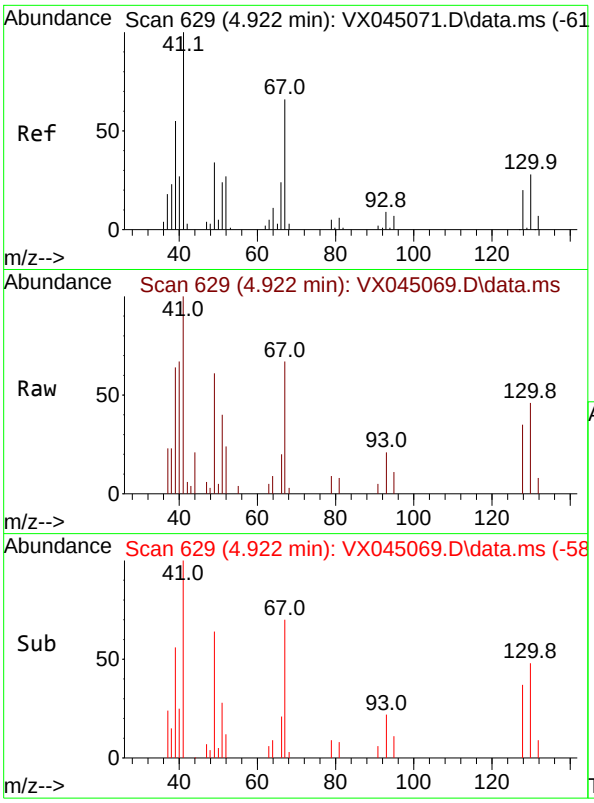


#40
Benzene
Concen: 4.966 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 78 Resp: 28339

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.8	28.2

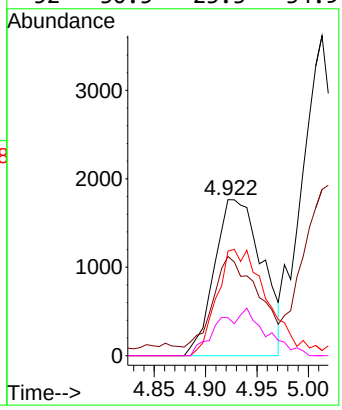




#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 570

Ion	Ratio	Lower	Upper
41	100		
39	53.3	44.6	67.0
67	73.4	53.9	80.9
52	30.5	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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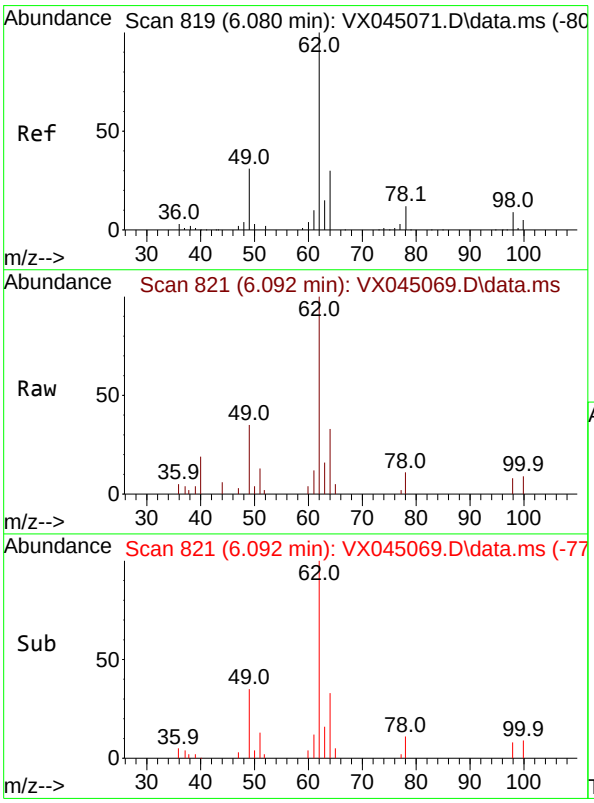
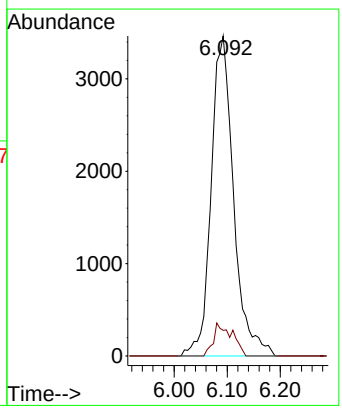
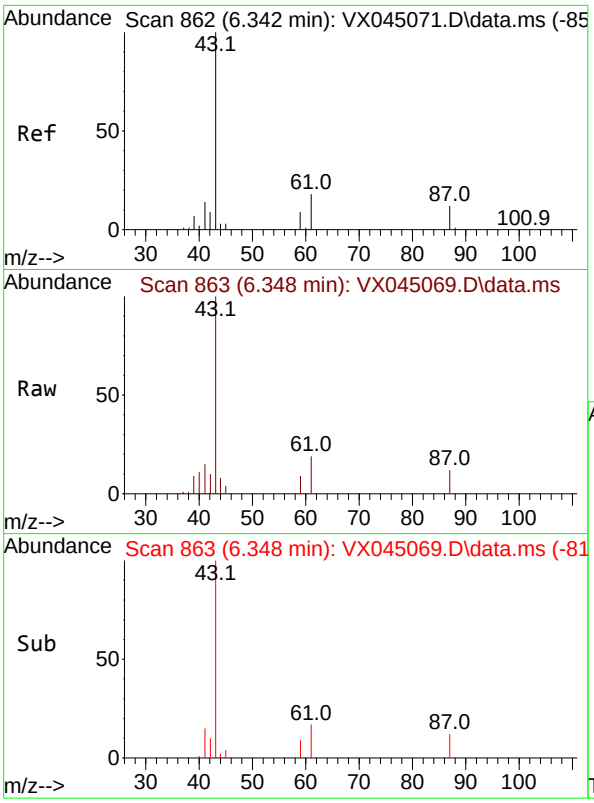


#42
1,2-Dichloroethane
Concen: 5.510 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 10189

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2

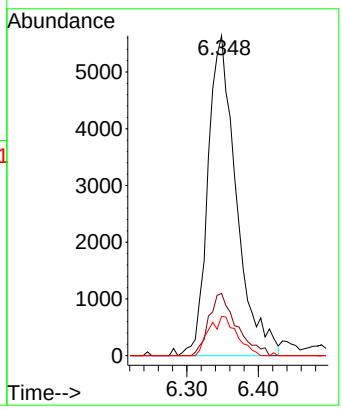




#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 1554

Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.9	22.3
87	12.1	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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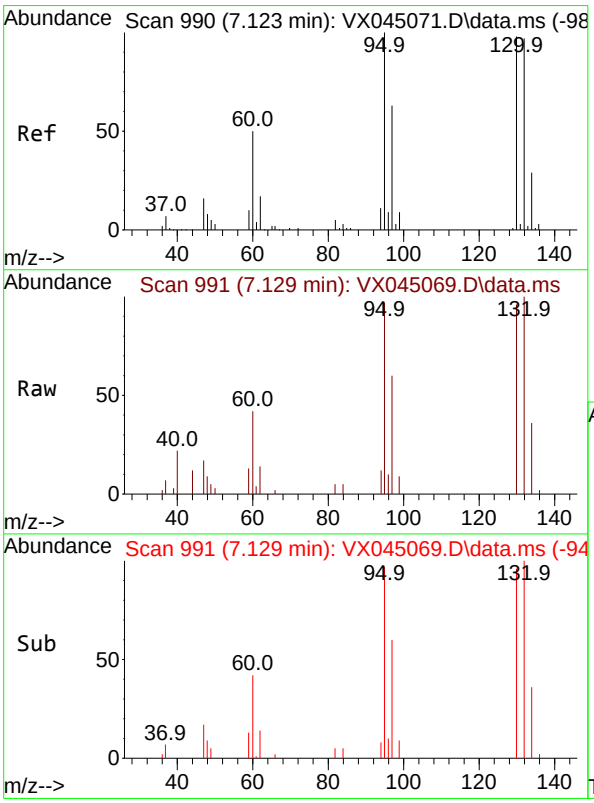
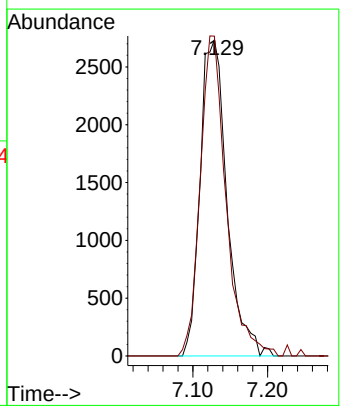
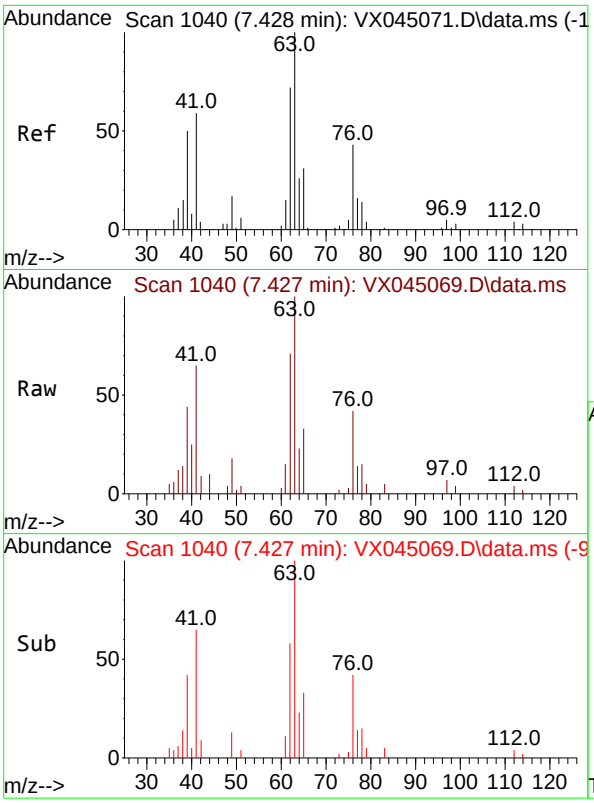


#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:130 Resp: 6827

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0





#45
1,2-Dichloropropane
Concen: 5.177 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 734

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
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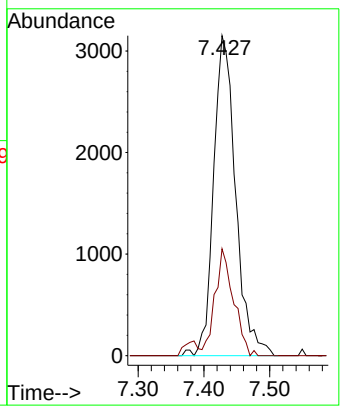
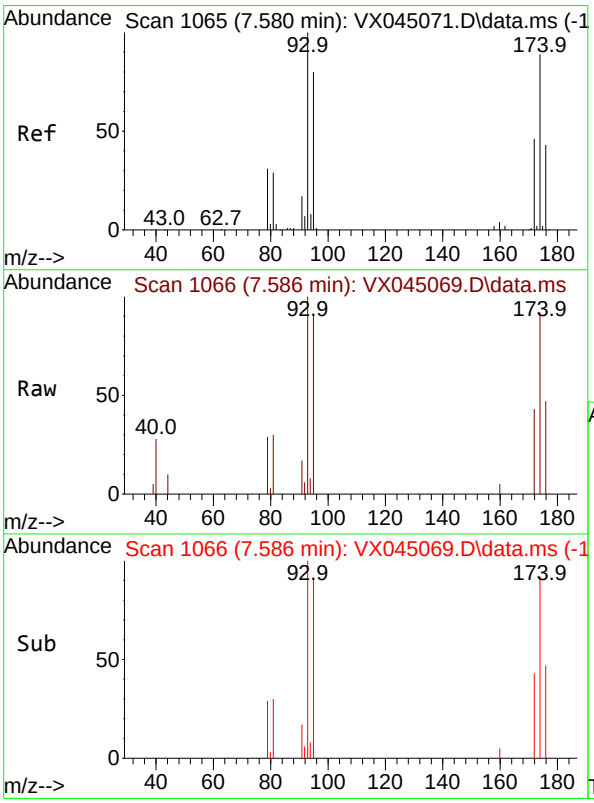
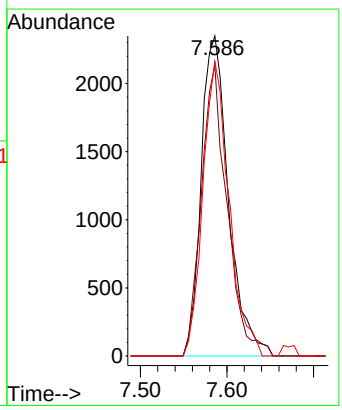


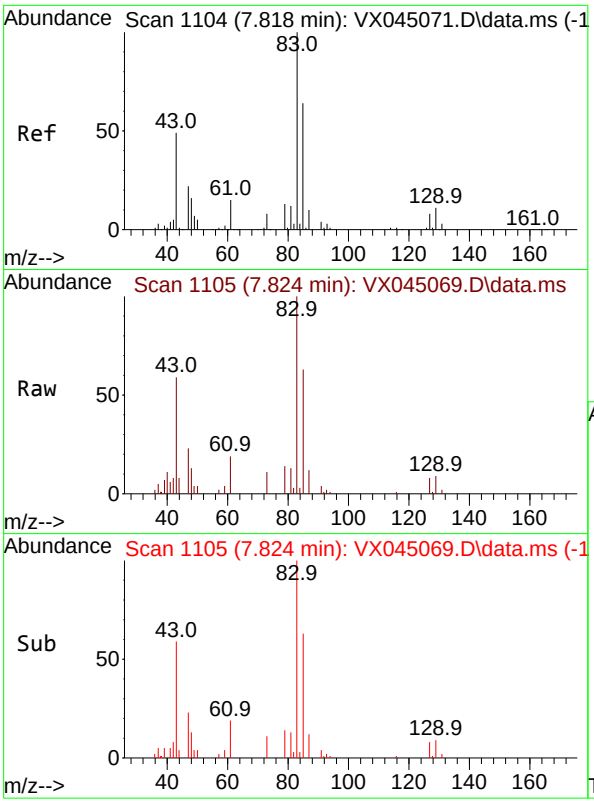


#46
Dibromomethane
Concen: 5.195 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 93 Resp: 5146

Ion	Ratio	Lower	Upper
93	100		
95	86.2	65.8	98.8
174	88.2	72.2	108.2





#47
Bromodichloromethane
Concen: 5.100 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

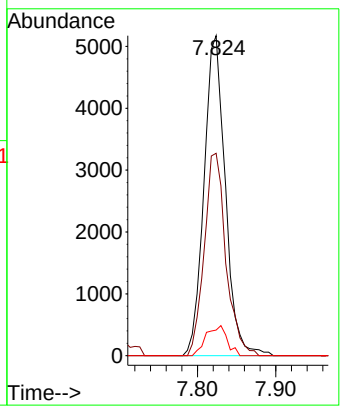
Tgt Ion: 83 Resp: 977

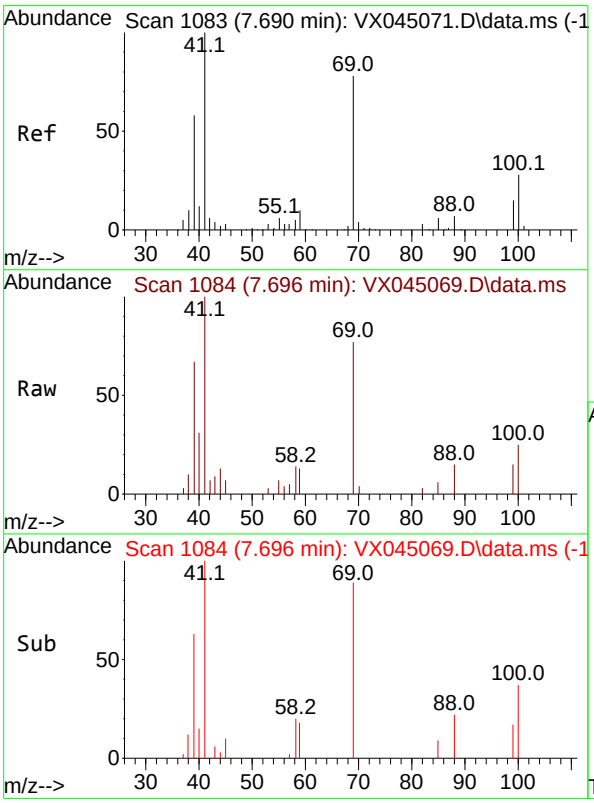
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.0	6.4	9.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

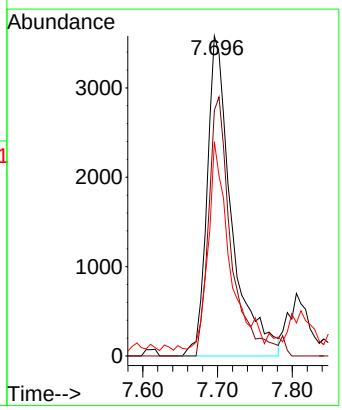


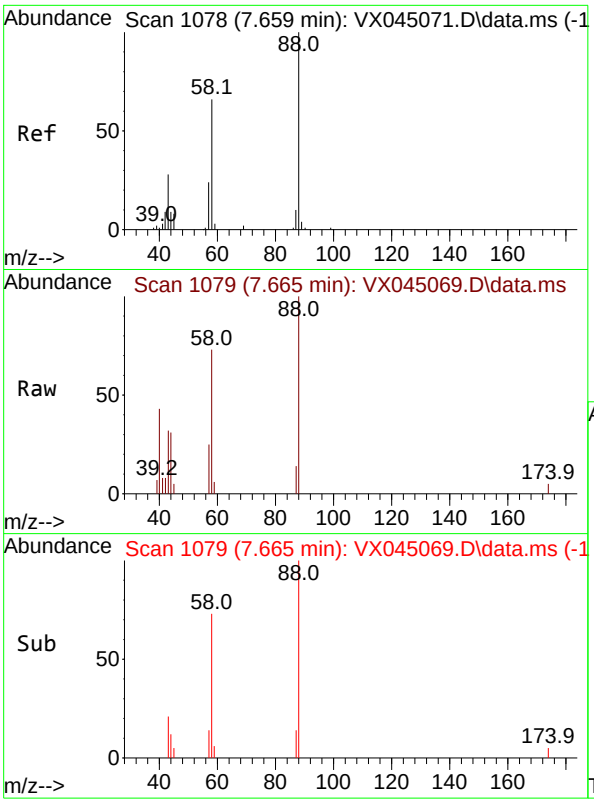


#48
Methyl methacrylate
Concen: 5.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 8201

Ion	Ratio	Lower	Upper
41	100		
69	74.0	63.0	94.6
39	55.4	47.5	71.3





#49
1,4-Dioxane
Concen: 105.826 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 88 Resp: 353

Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.7	43.1
58	75.9	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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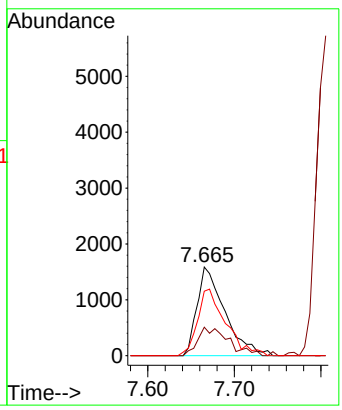
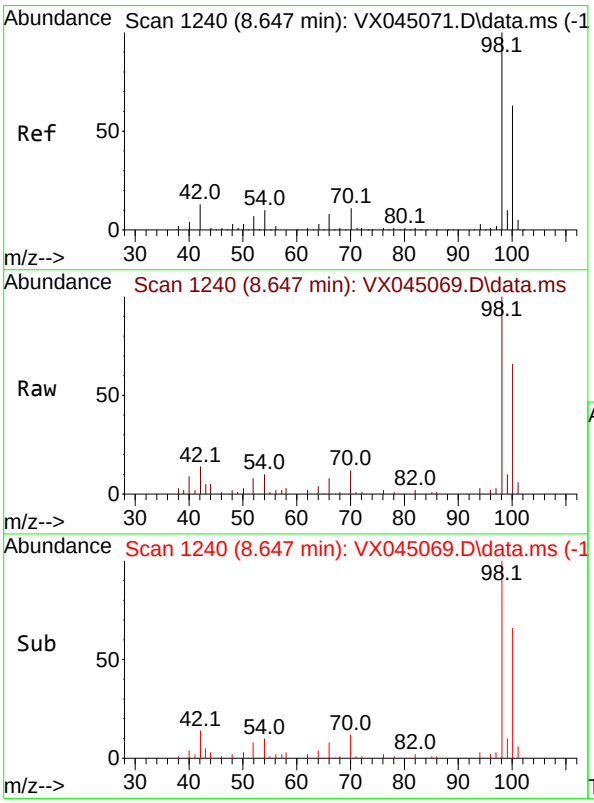
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

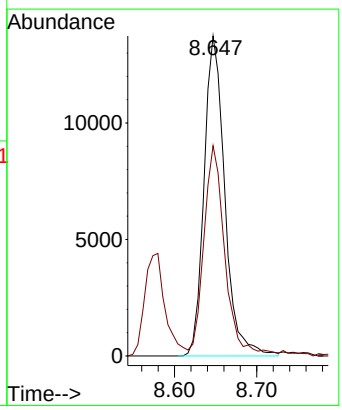


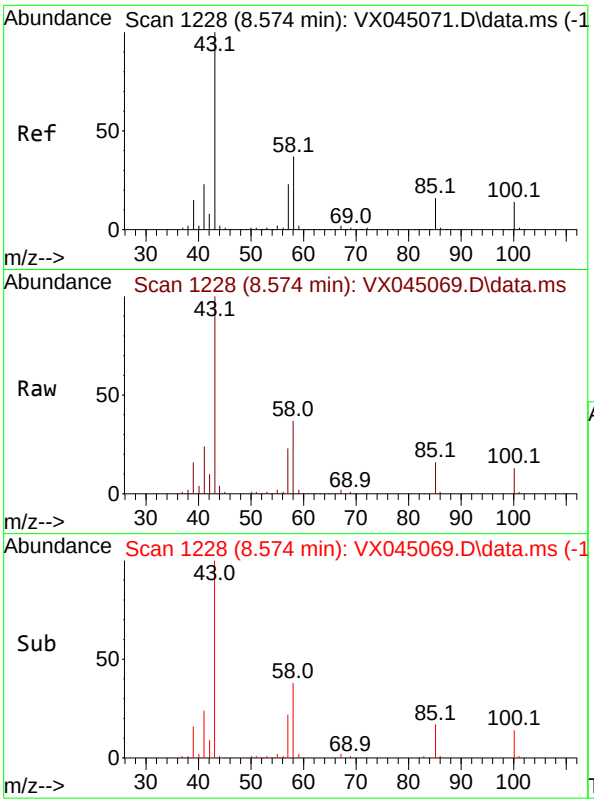


#50
Toluene-d8
Concen: 5.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 98 Resp: 24037

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 27.303 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 5532

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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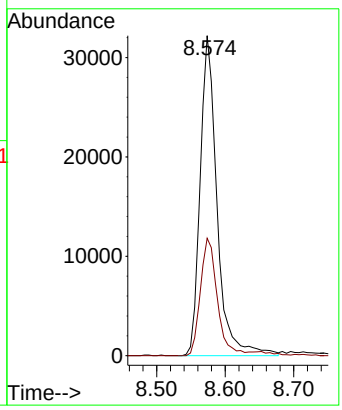
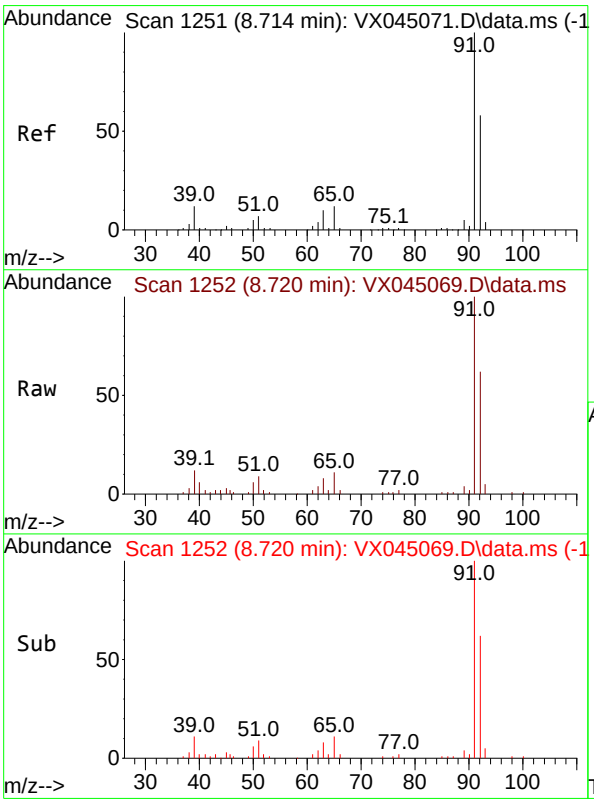
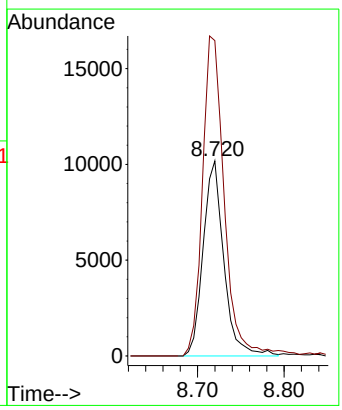


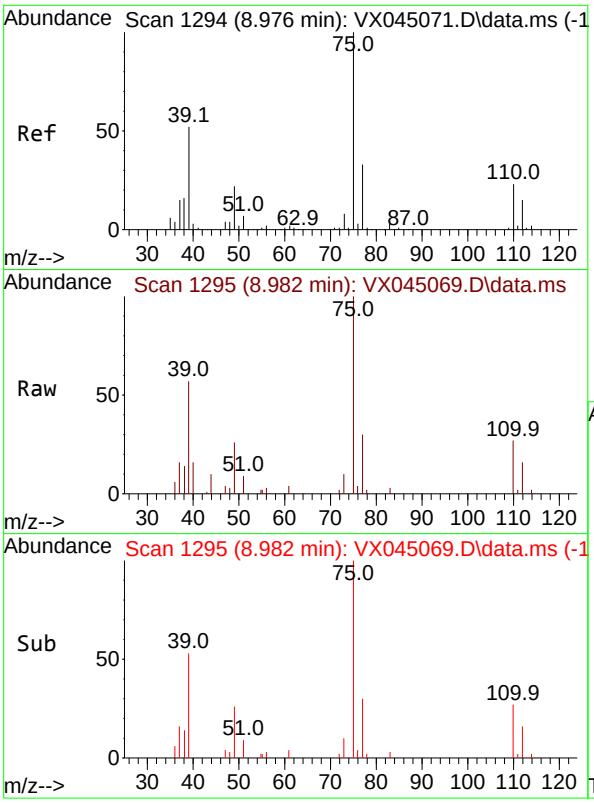


#52
Toluene
Concen: 4.997 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 92 Resp: 16933

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3

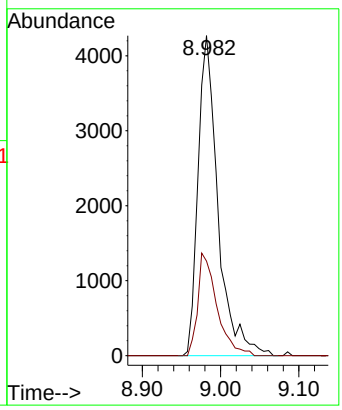




#53
t-1,3-Dichloropropene
Concen: 3.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 754

Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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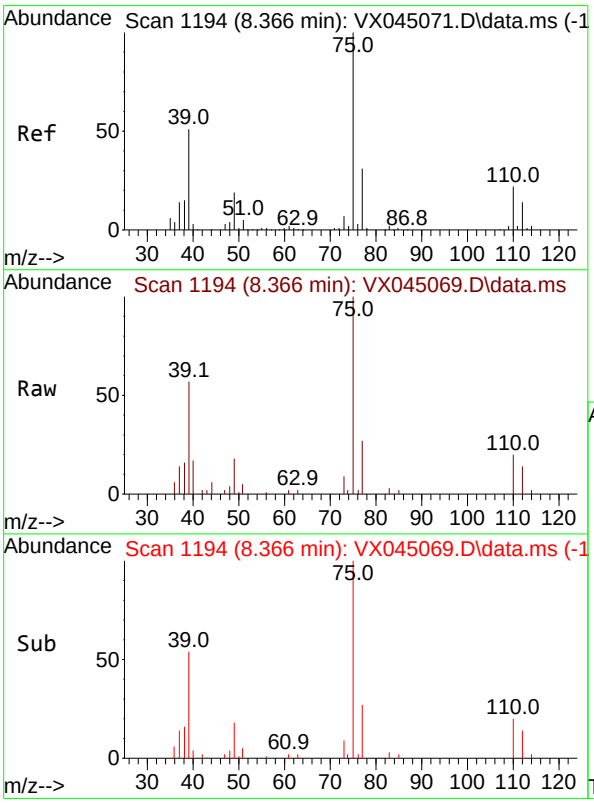
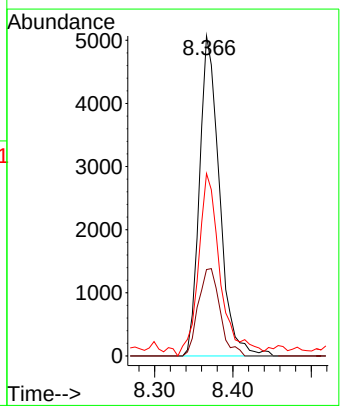
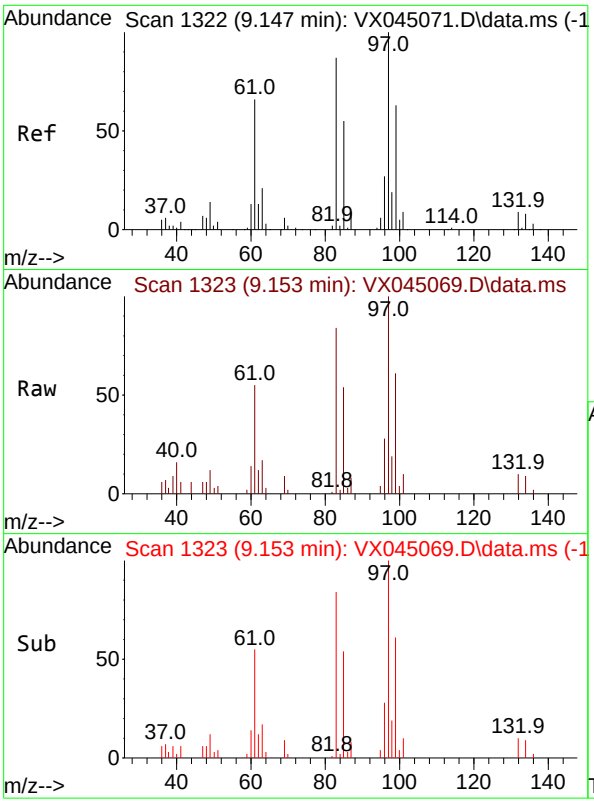


#54
cis-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8988

Ion	Ratio	Lower	Upper
75	100		
77	27.0	24.7	37.1
39	57.0	40.7	61.1

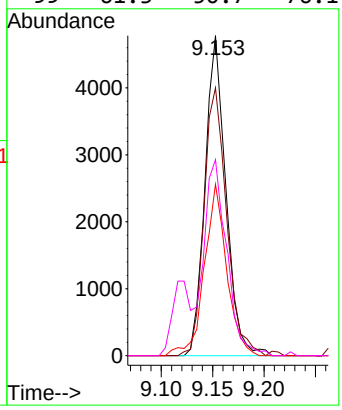




#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 675

Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.4	104.2
85	53.6	44.1	66.1
99	61.3	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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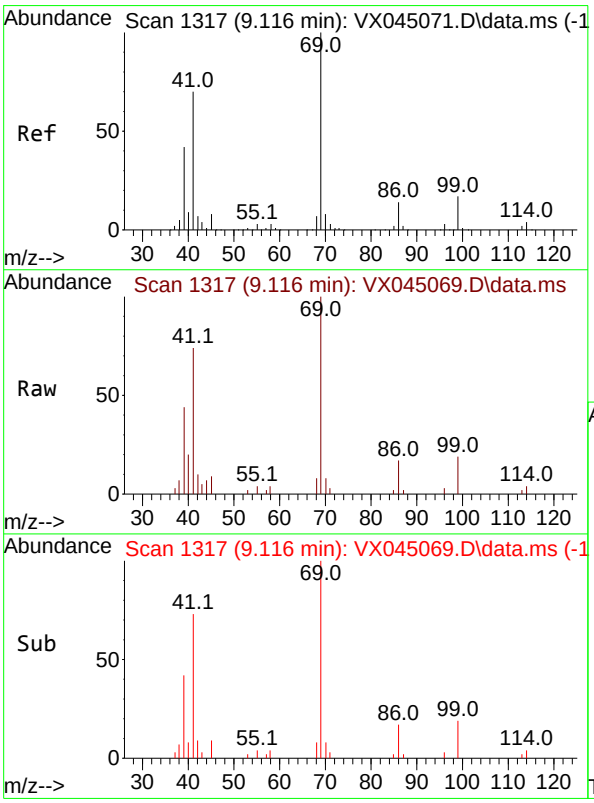
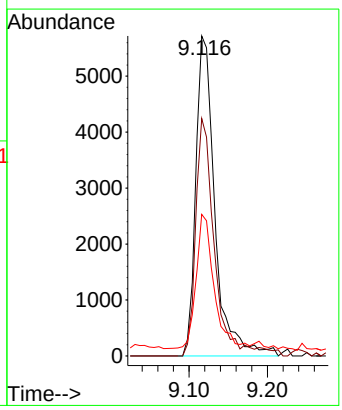
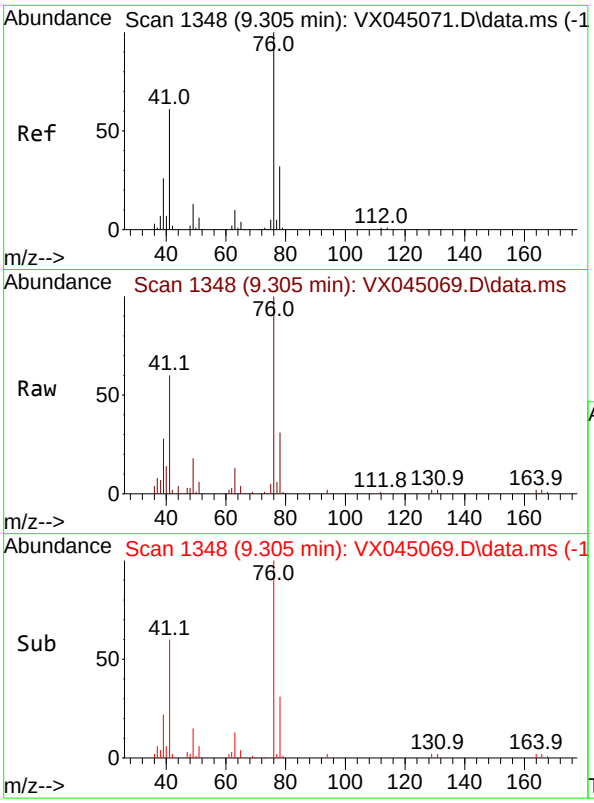


#56
Ethyl methacrylate
Concen: 4.628 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 69 Resp: 9712

Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.0	85.4
39	39.2	34.2	51.4

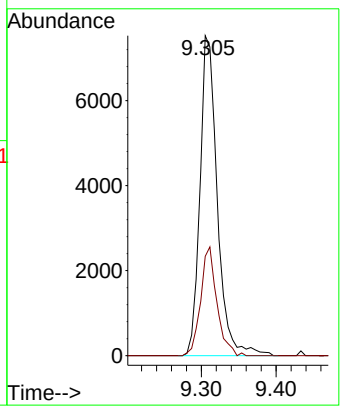




#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 76 Resp: 1210

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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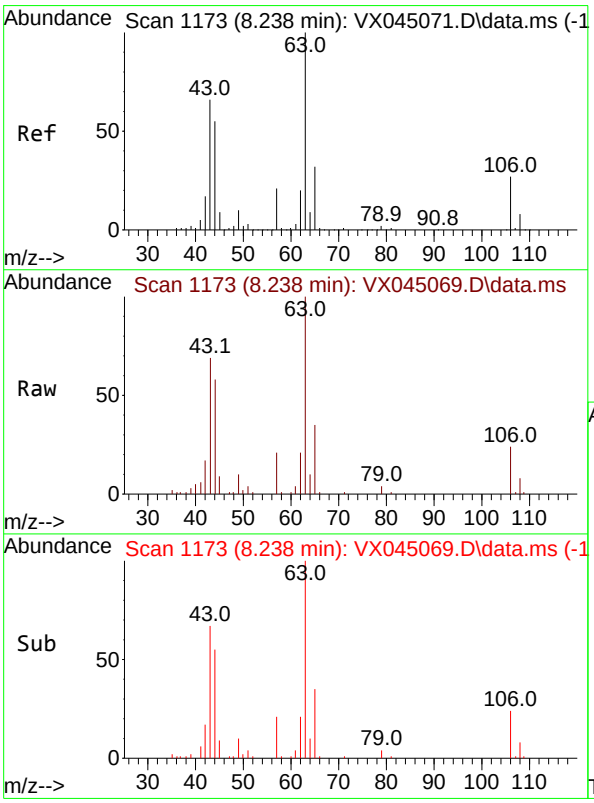
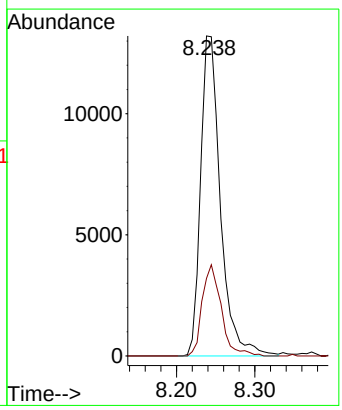
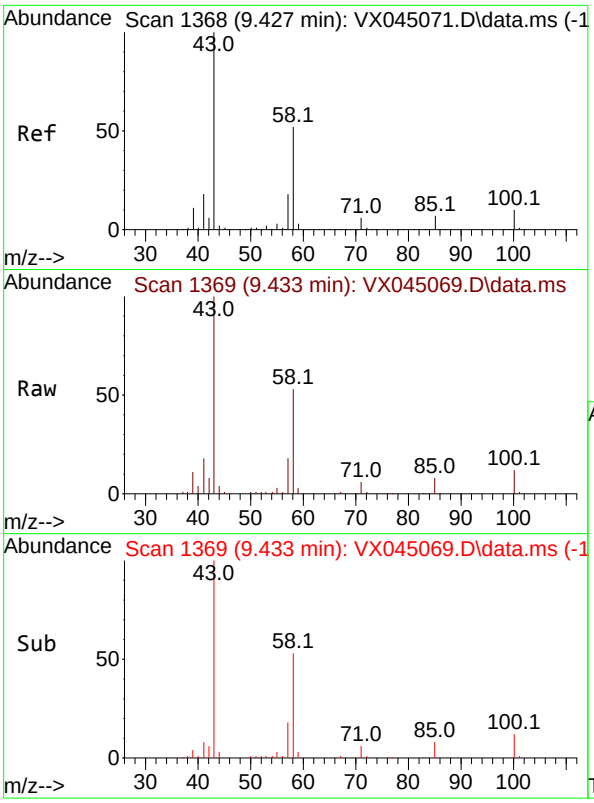


#58
2-Chloroethyl Vinyl ether
Concen: 22.527 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 23212

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.5	32.3





#59
2-Hexanone
Concen: 27.363 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 3999

Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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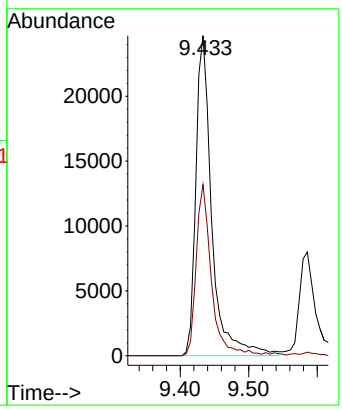
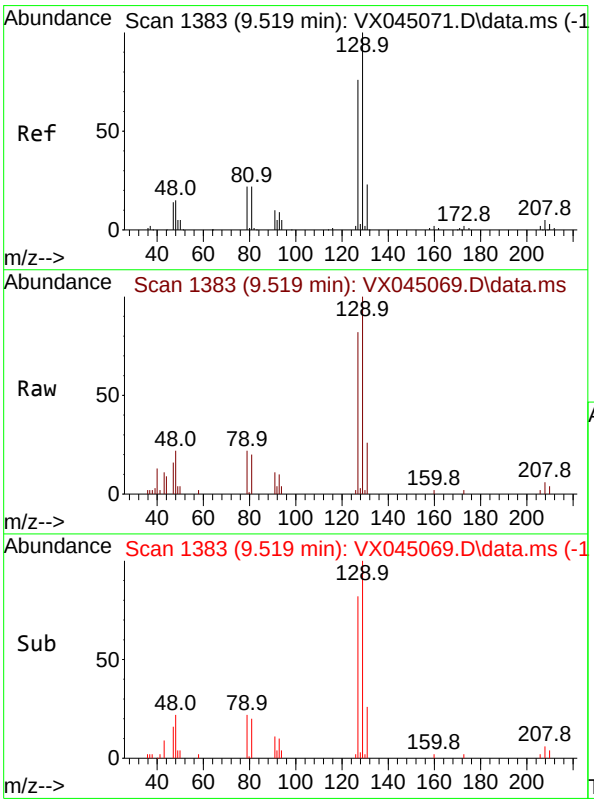
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

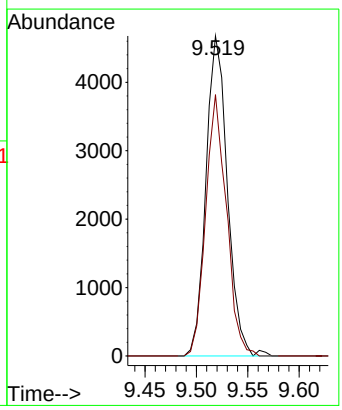


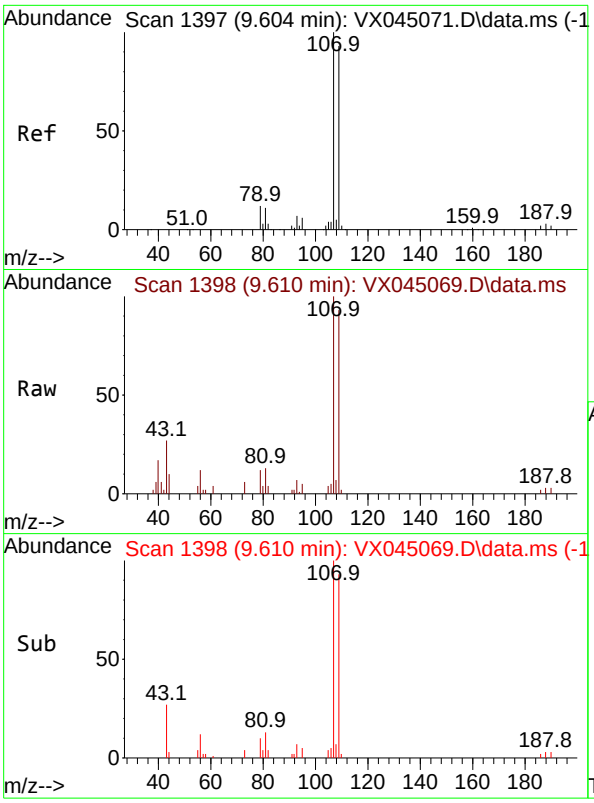


#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:129 Resp: 6785

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.5





#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:107 Resp: 683

Ion	Ratio	Lower	Upper
107	100		
109	90.7	76.1	114.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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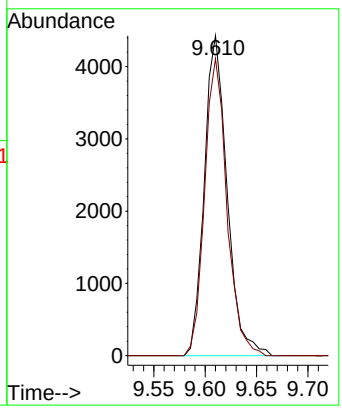
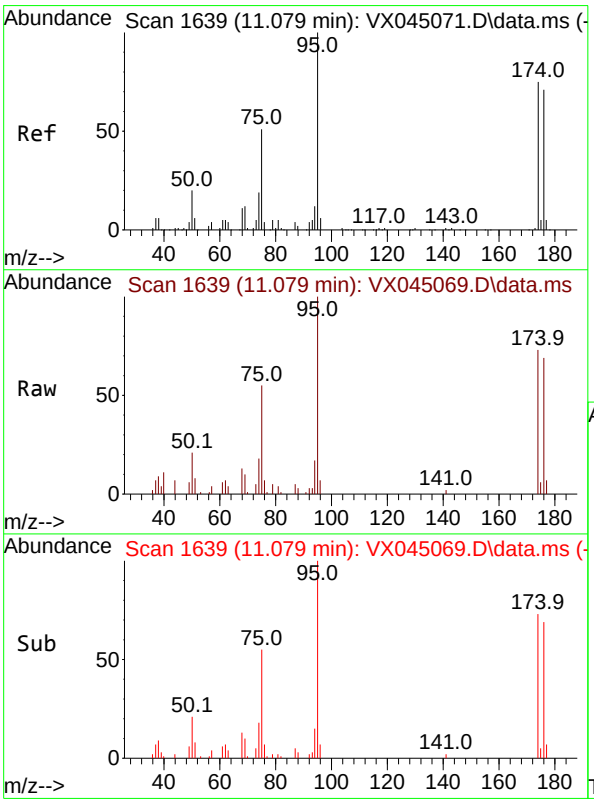
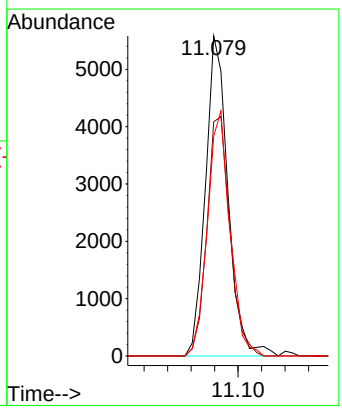


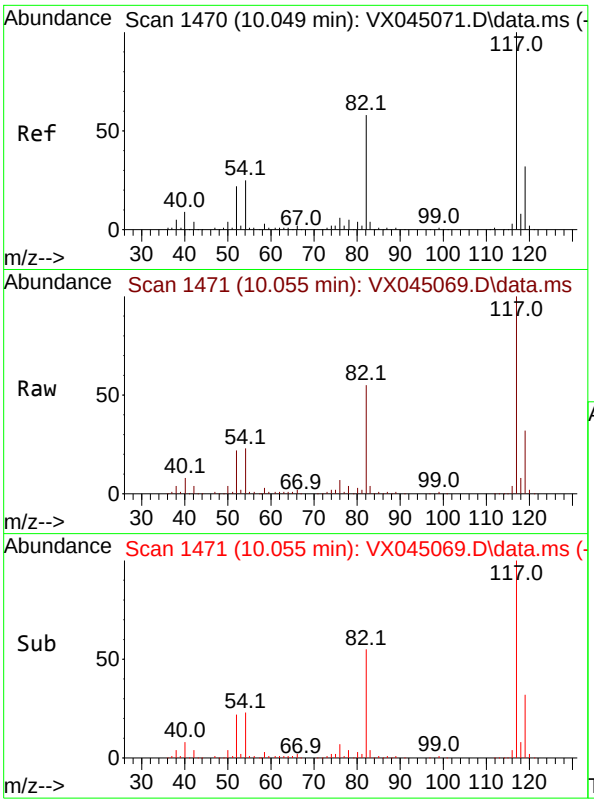


#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 95 Resp: 7436

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	148.2
176	76.3	0.0	141.4

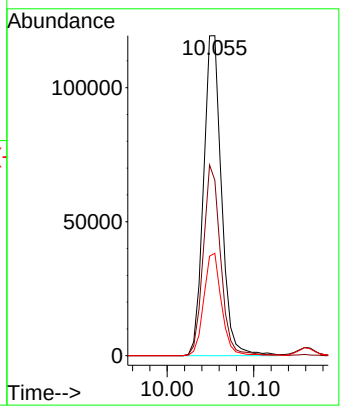




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 17236

Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.3	69.5
119	32.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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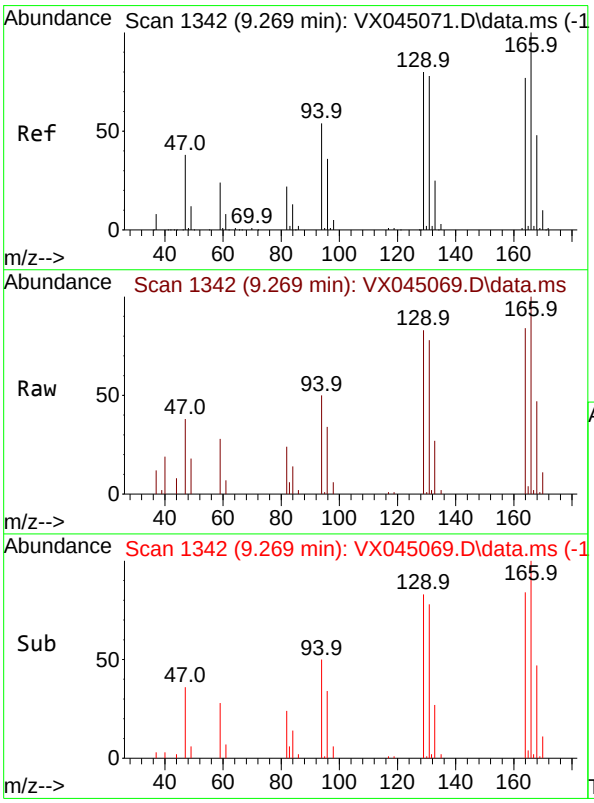
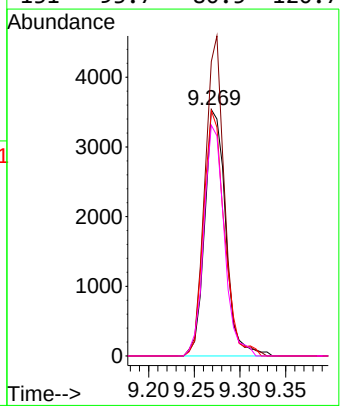
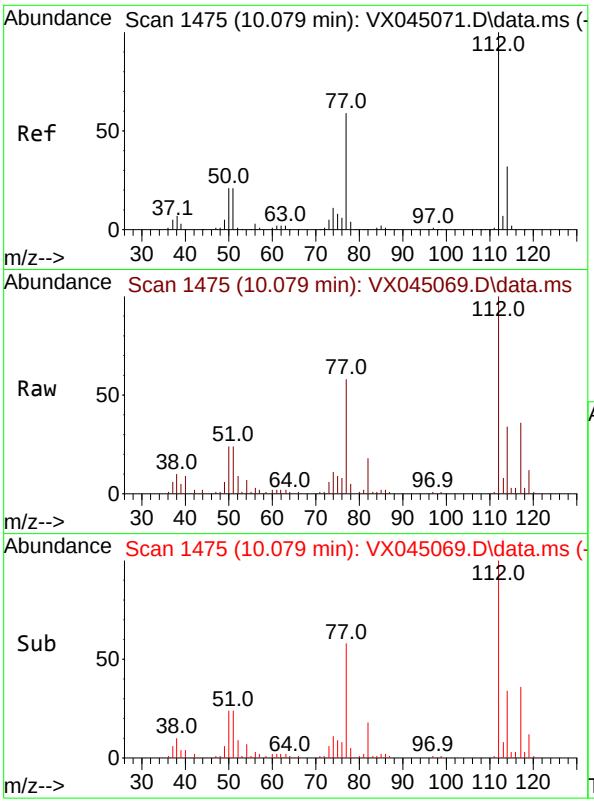


#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:164 Resp: 5615

Ion	Ratio	Lower	Upper
164	100		
166	119.5	103.6	155.4
129	99.7	82.7	124.1
131	93.7	80.5	120.7

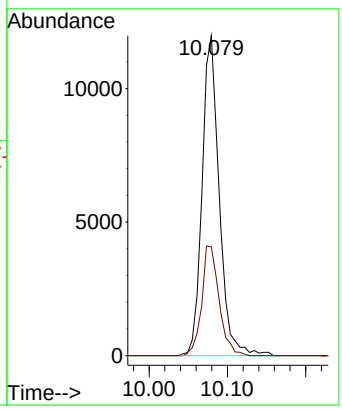




#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:112 Resp: 1816

Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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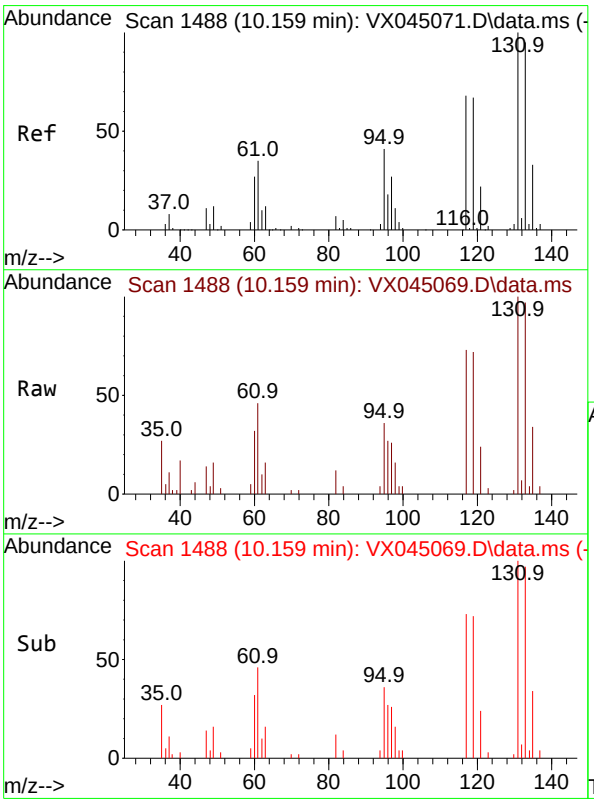
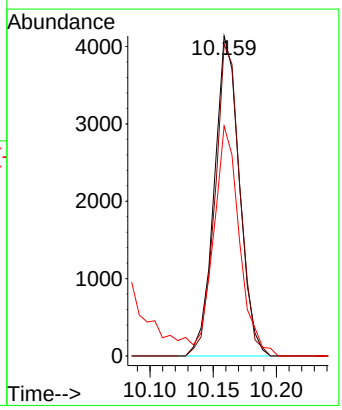
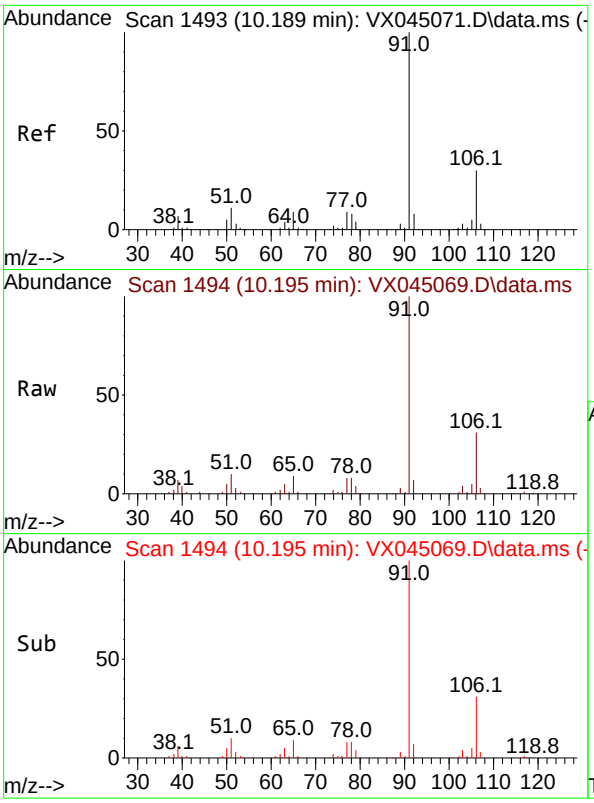


#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:131 Resp: 5702

Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.6	145.9
119	73.4	33.9	101.7

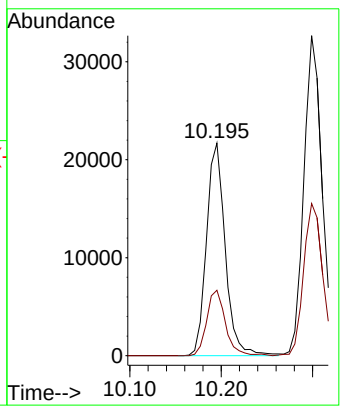




#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 3091

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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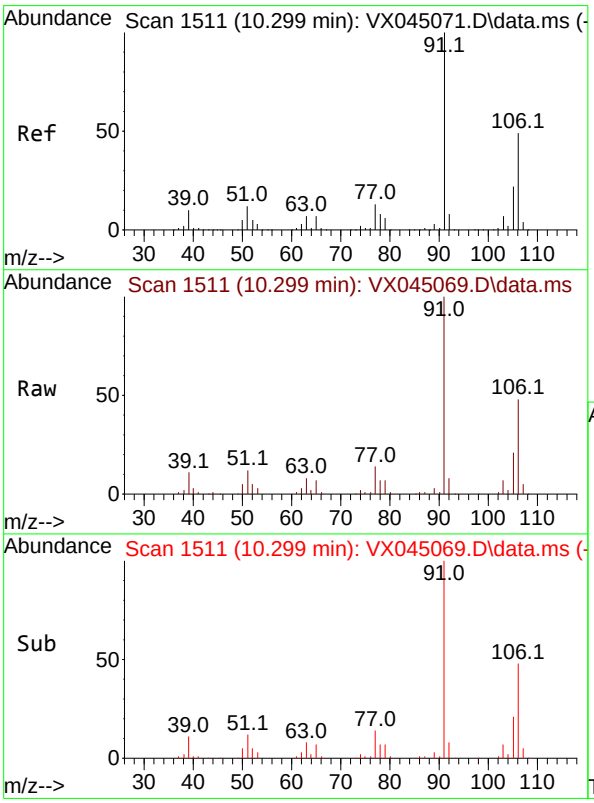
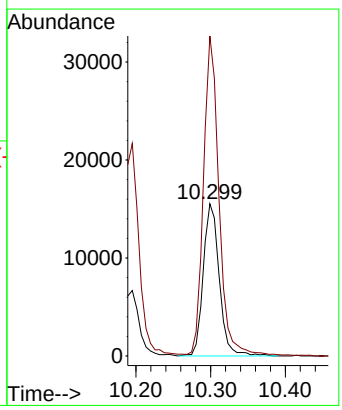
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

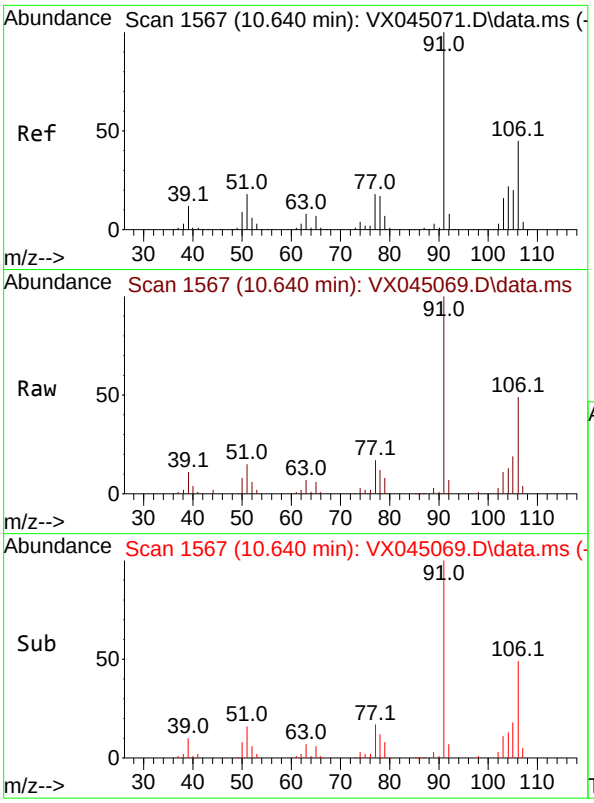


#68
m/p-Xylenes
Concen: 9.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 23152

Ion	Ratio	Lower	Upper
106	100		
91	202.7	165.4	248.0

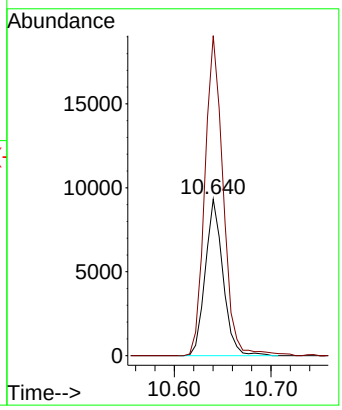




#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 1188

Ion	Ratio	Lower	Upper
106	100		
91	211.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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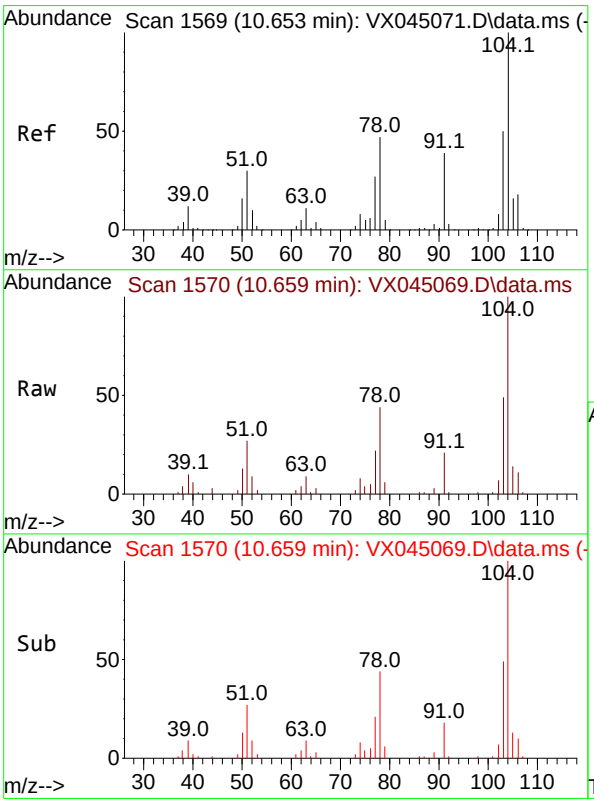
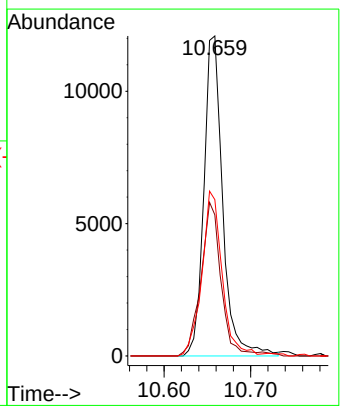
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

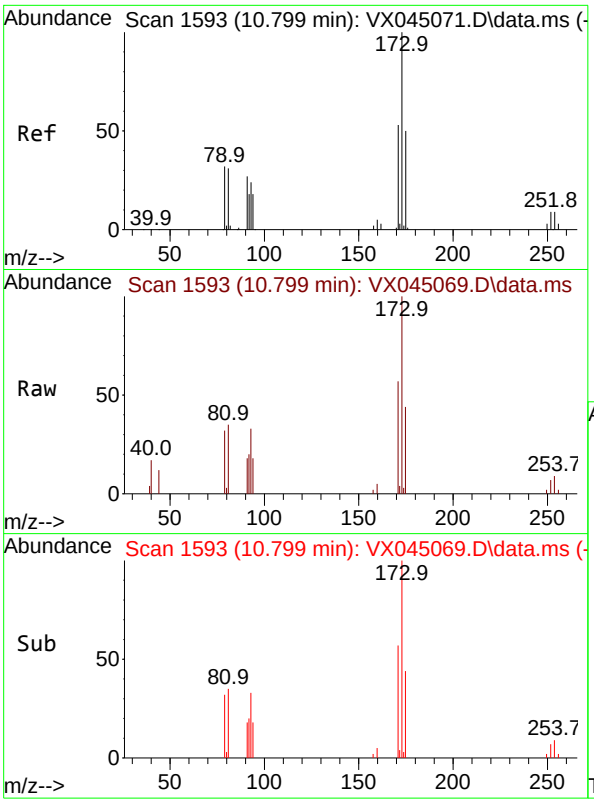


#70
Styrene
Concen: 4.704 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:104 Resp: 18278

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.2	63.4
103	55.3	43.8	65.8

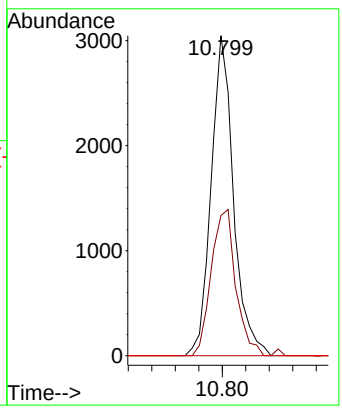




#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:173 Resp: 402

Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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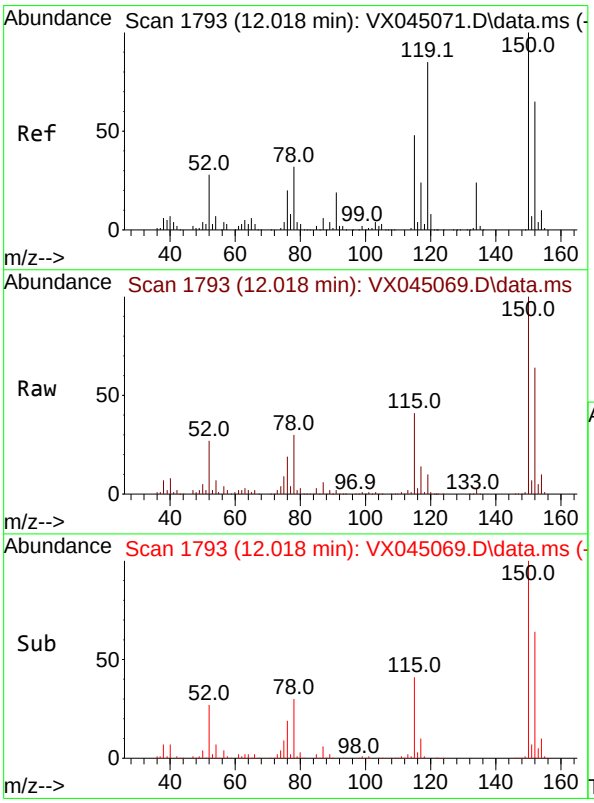
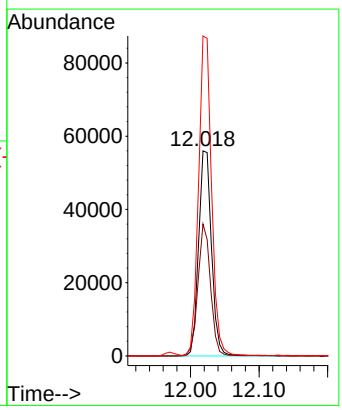
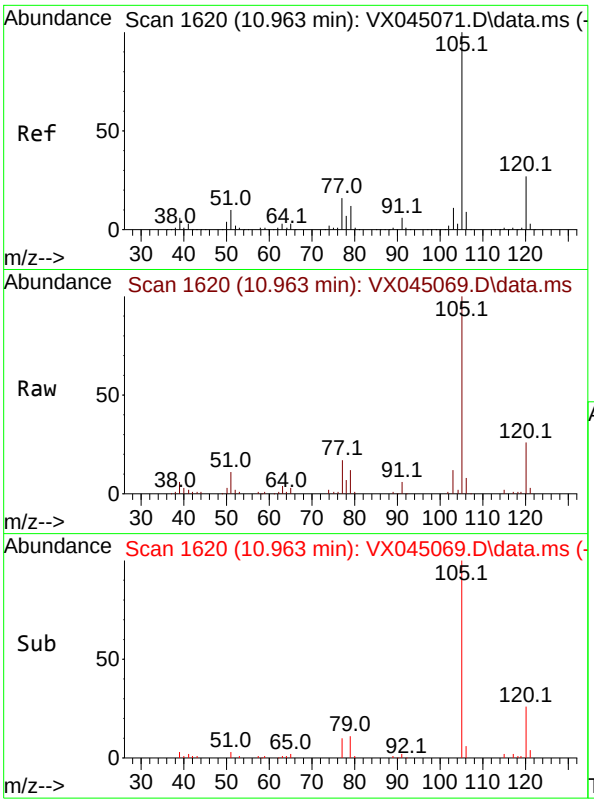


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:152 Resp: 73591

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	156.2	0.0	349.0





#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 2968

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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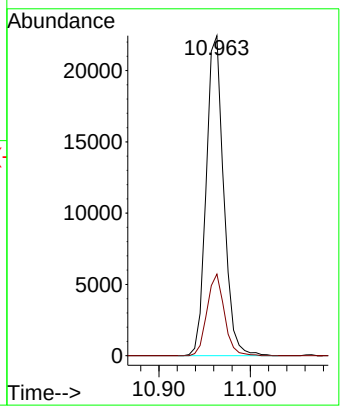
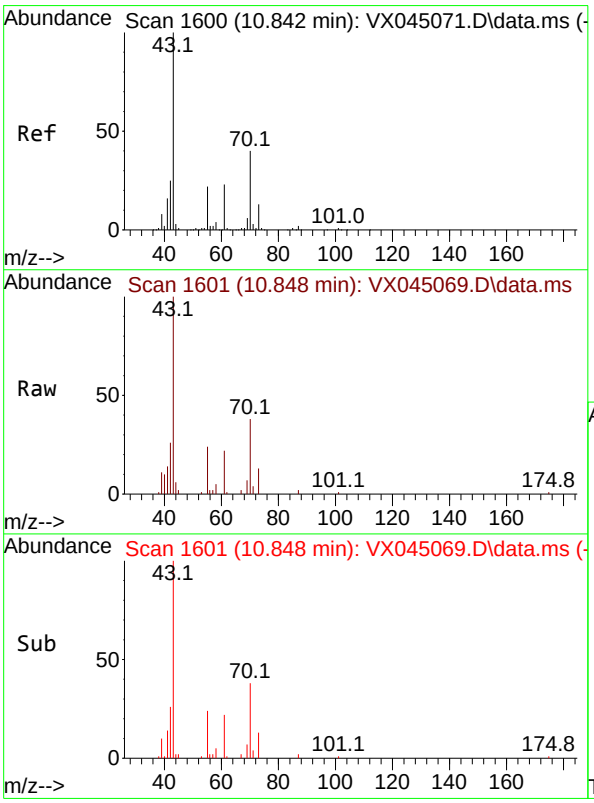
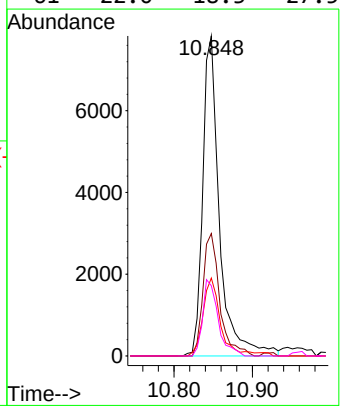


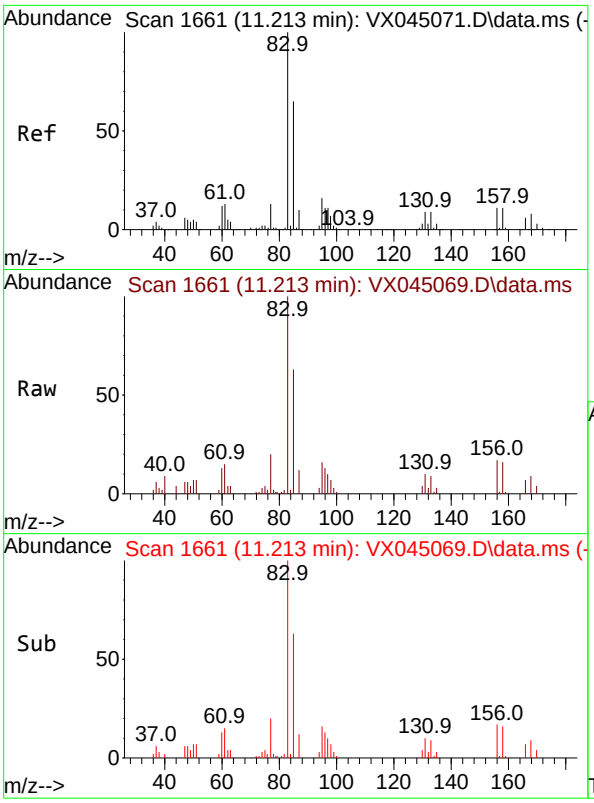


#74
N-amyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 11609

Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.8	47.6
55	25.9	18.3	27.5
61	22.0	18.3	27.5

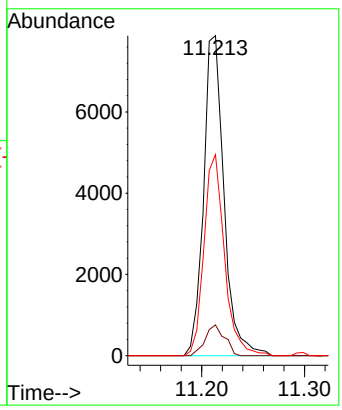




#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1088

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	63.1	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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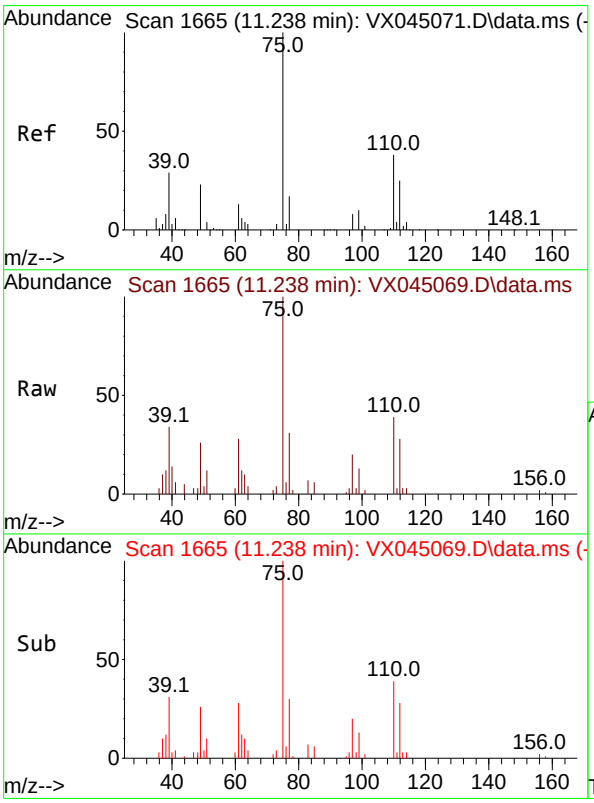
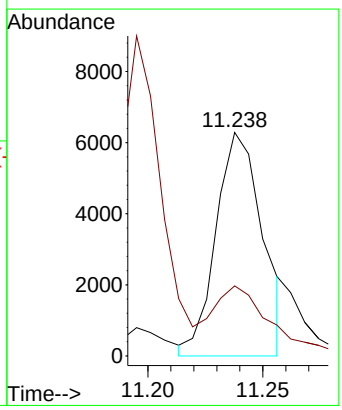
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

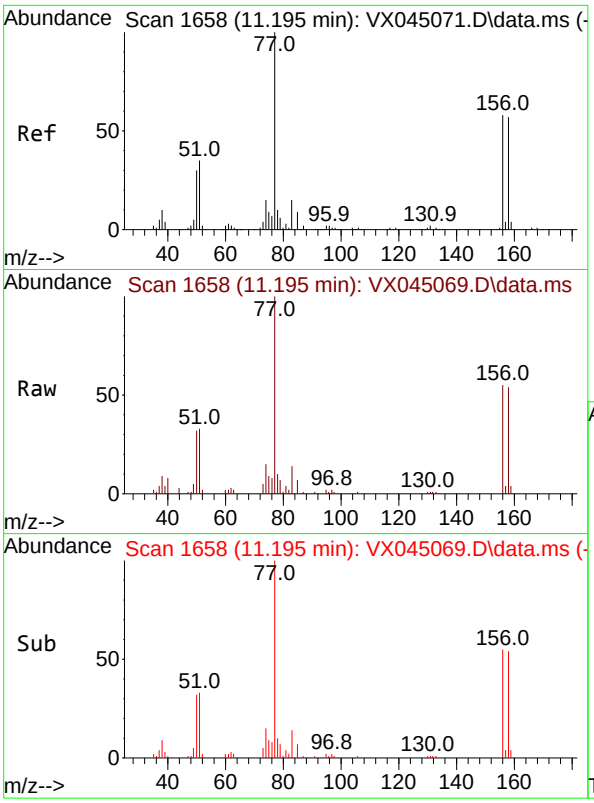


#76
1,2,3-Trichloropropane
Concen: 5.384 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8839

Ion	Ratio	Lower	Upper
75	100		
77	39.8	20.7	62.1

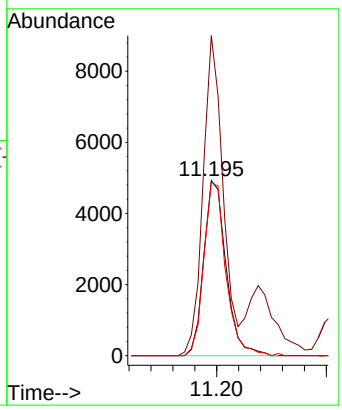




#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:156 Resp: 697(

Ion	Ratio	Lower	Upper
156	100		
77	163.3	85.8	257.4
158	97.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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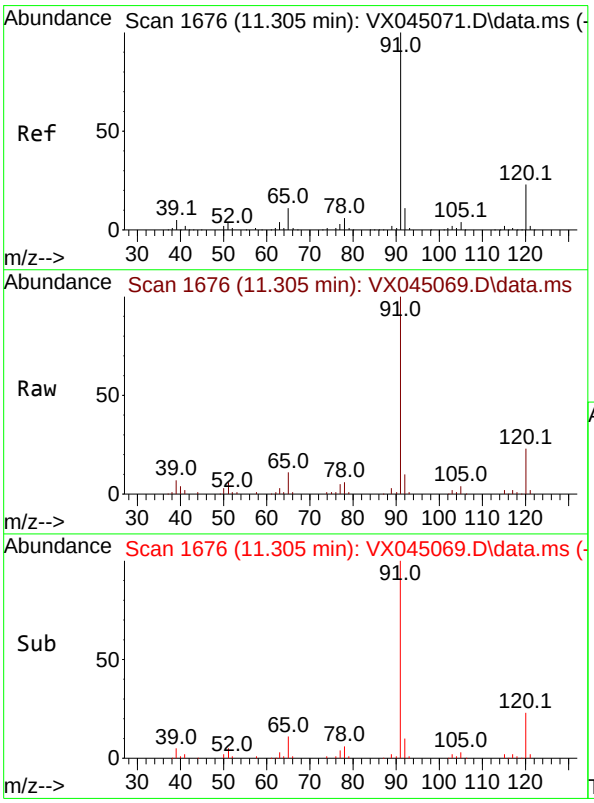
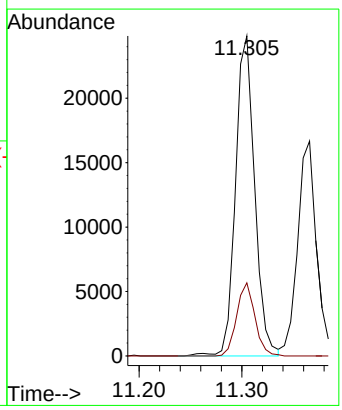
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

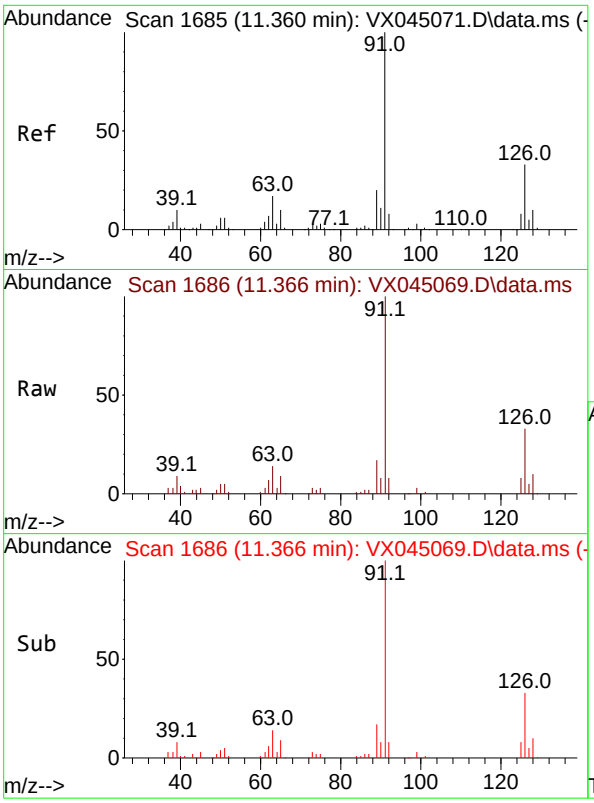


#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 32196

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6





#79
2-Chlorotoluene
Concen: 5.048 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 2125

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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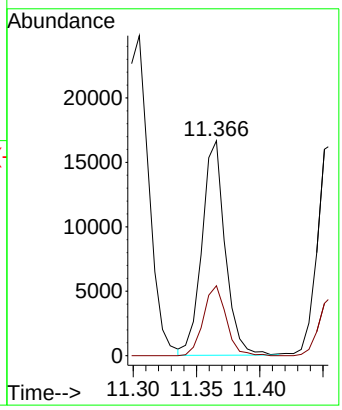
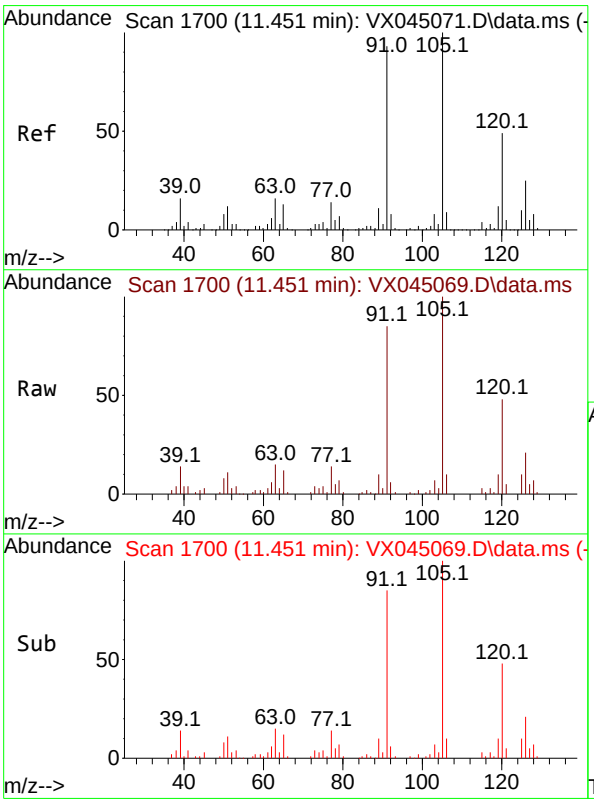
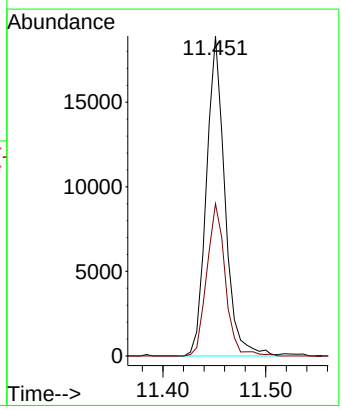


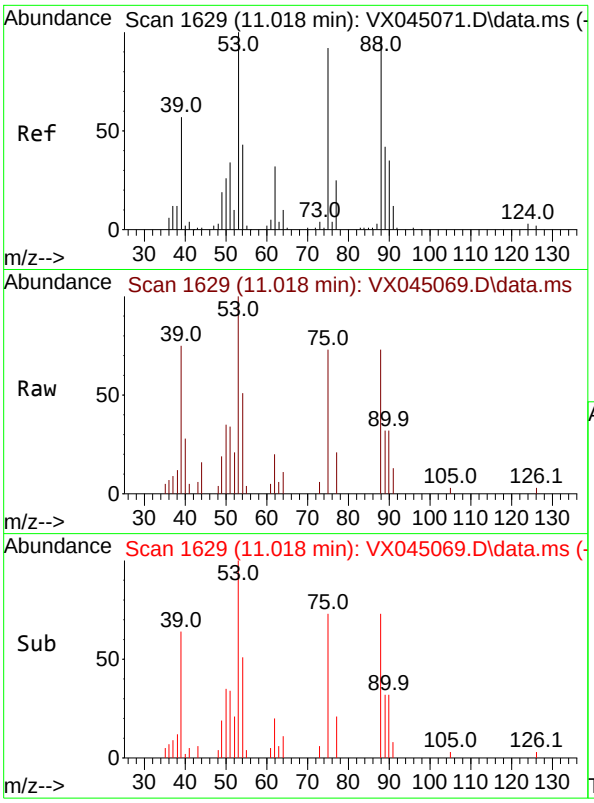


#80
1,3,5-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23627

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 3.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 197

Ion	Ratio	Lower	Upper
75	100		
53	134.1	88.5	132.7#
89	43.4	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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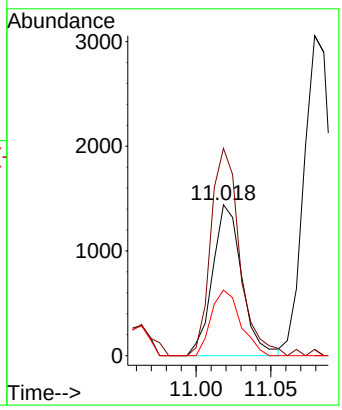
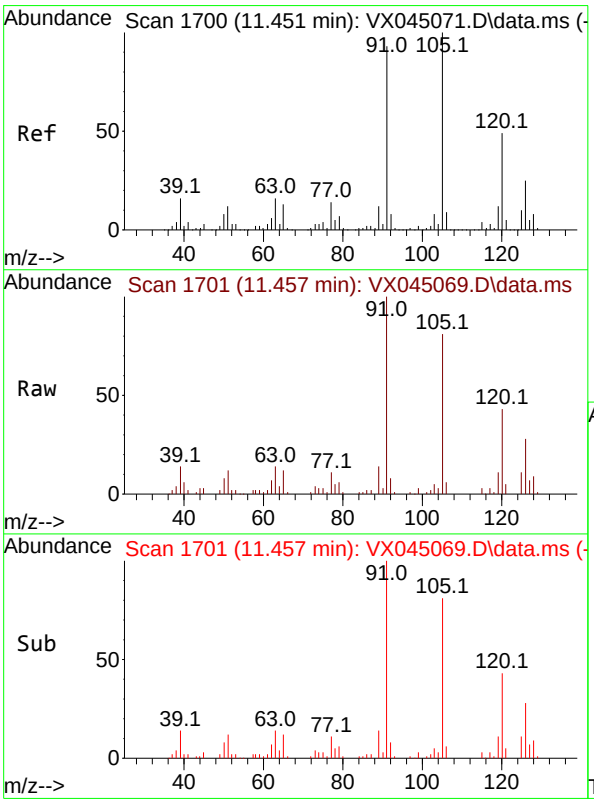
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

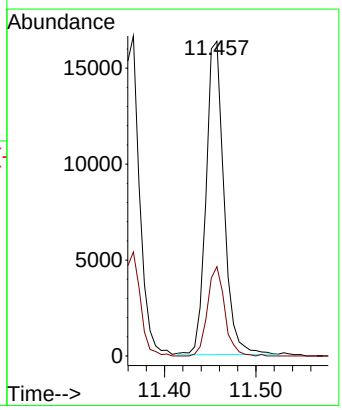


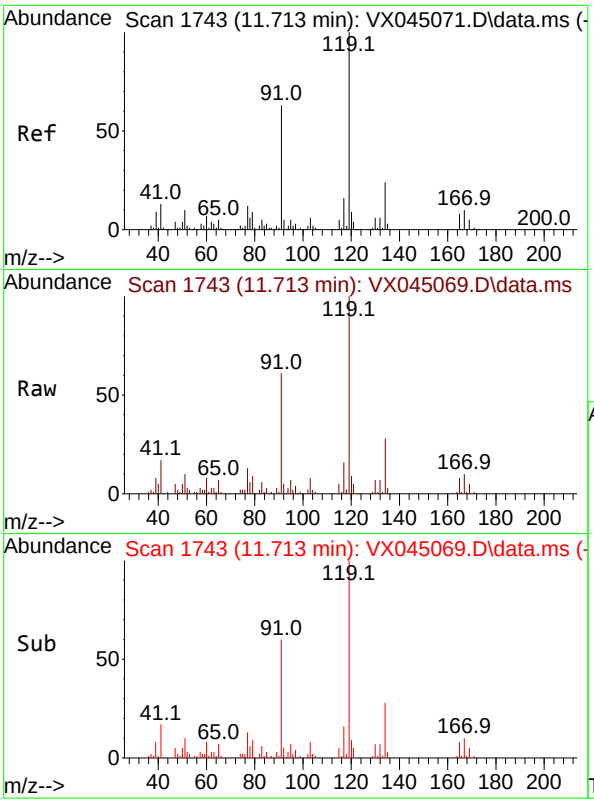


#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4

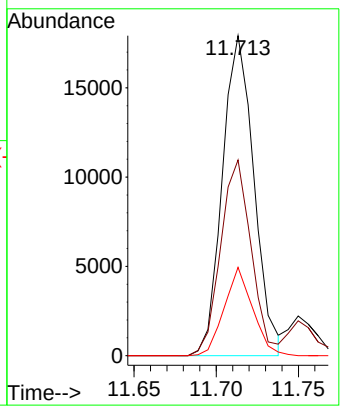




#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 2396

Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.7	92.1
134	24.9	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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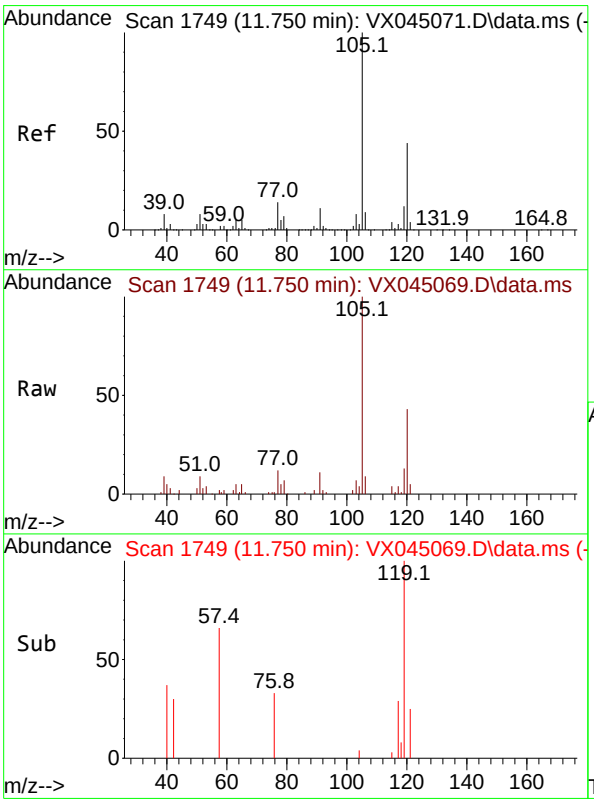
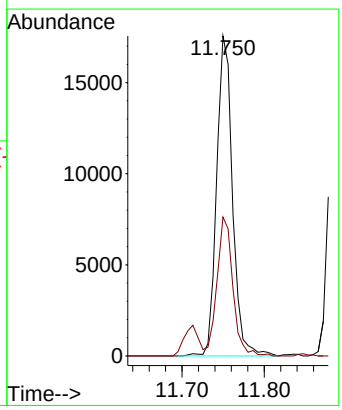
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

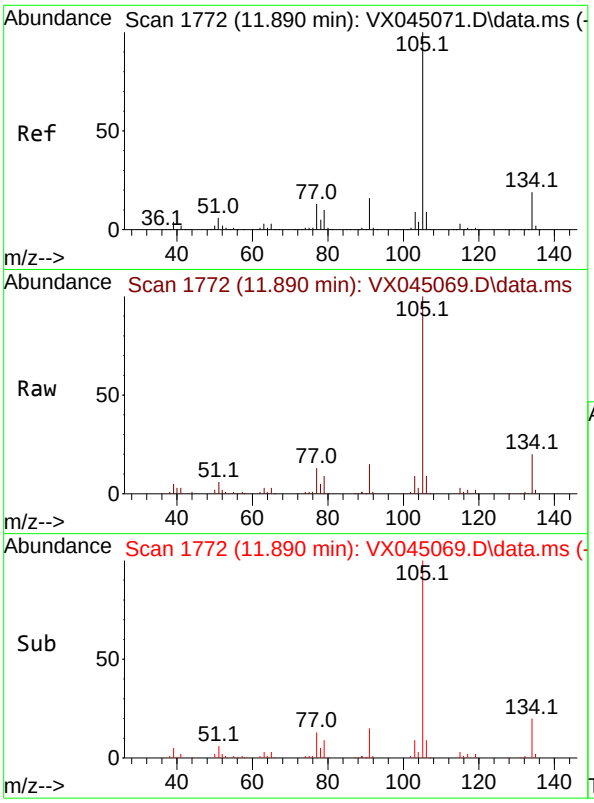


#84
1,2,4-Trimethylbenzene
Concen: 4.960 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23561

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1





#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

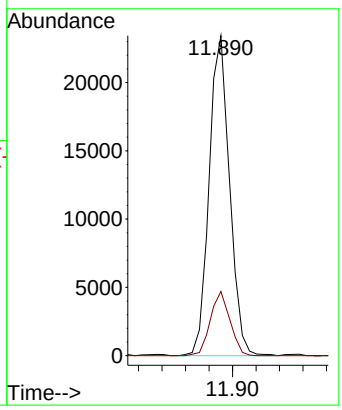
Tgt Ion:105 Resp: 2831

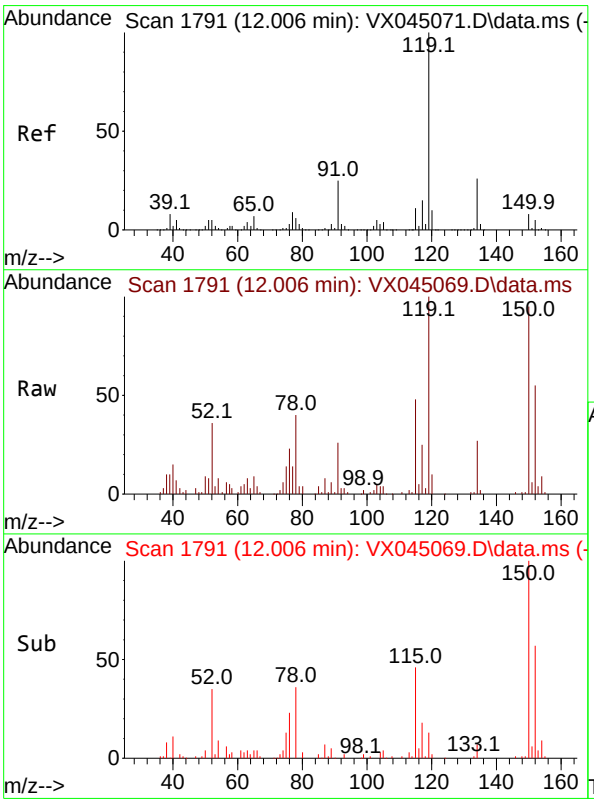
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

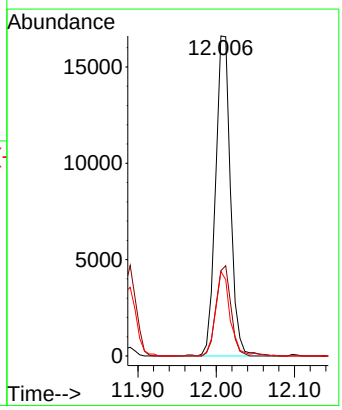


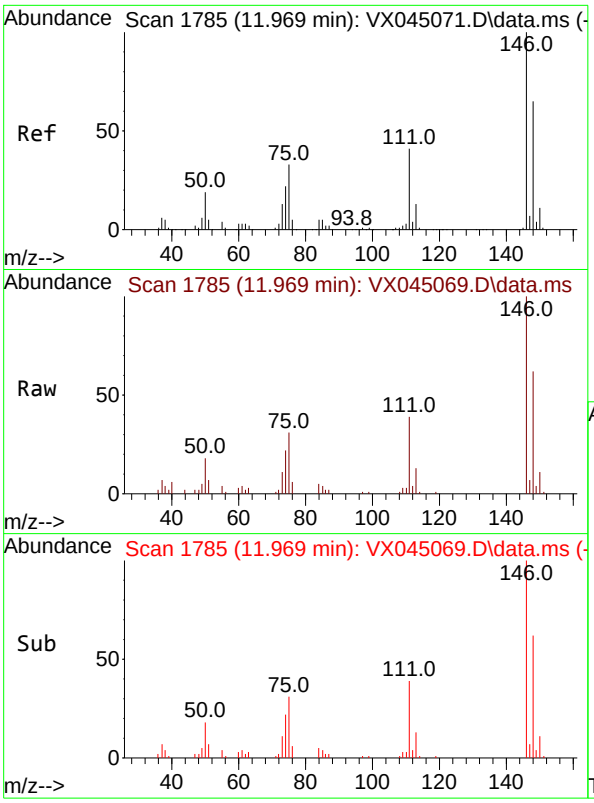


#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 21977

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.9	38.6
91	26.1	12.7	38.0

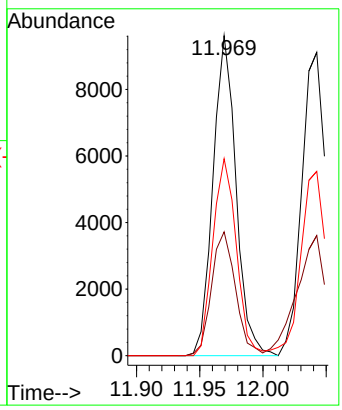




#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1215

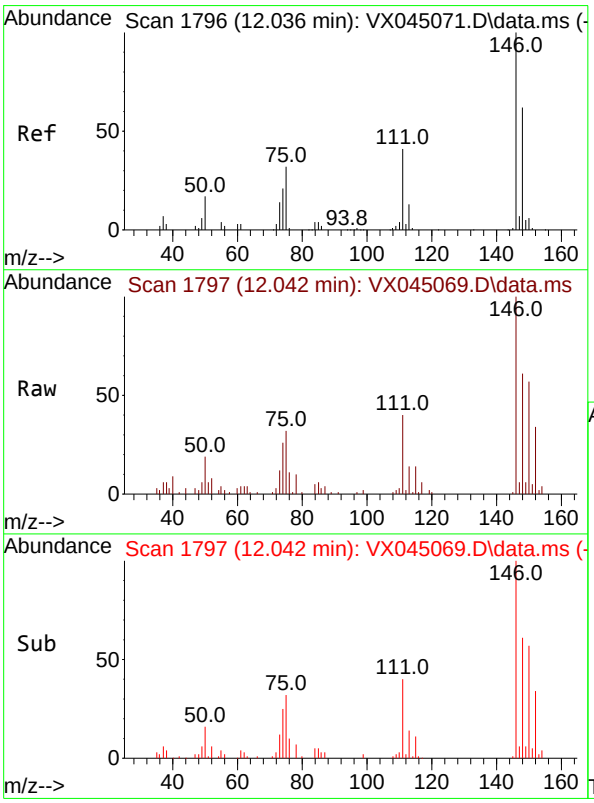
Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.4
148	62.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

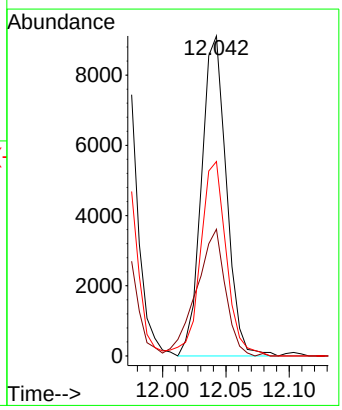
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

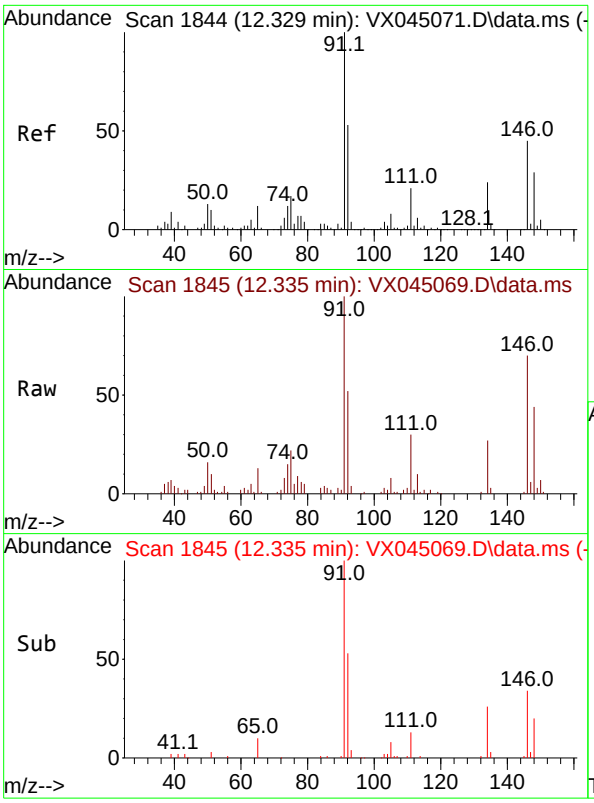


#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 12526

Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.2	60.5
148	63.5	31.9	95.9

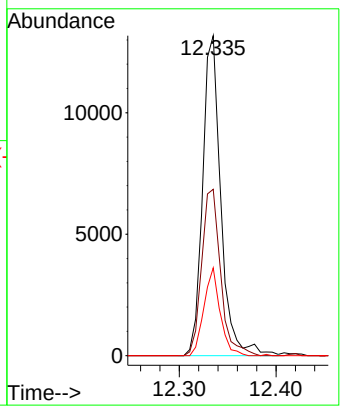




#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 1735

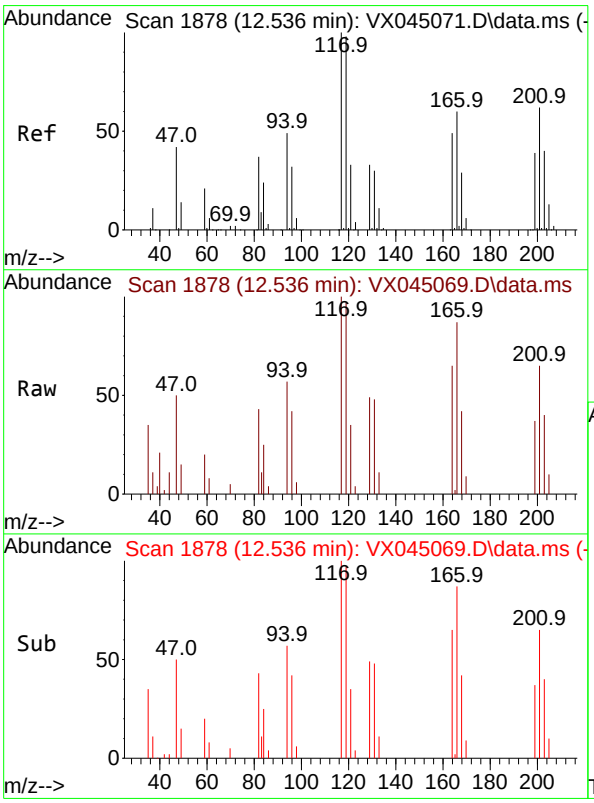
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

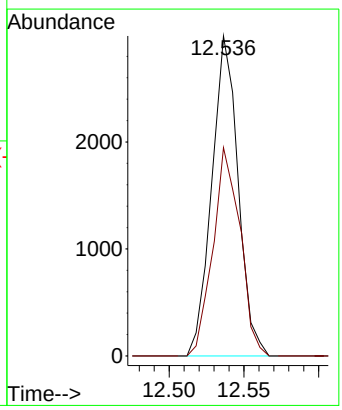
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

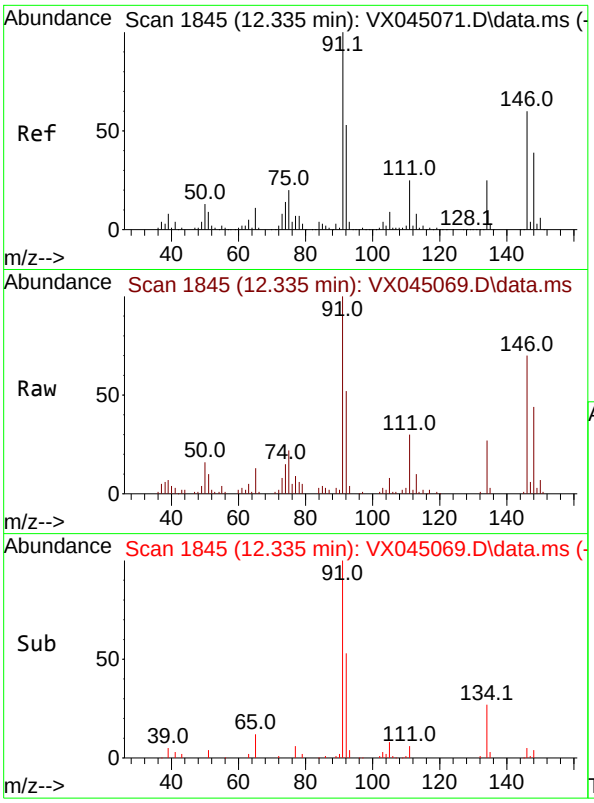


#90
Hexachloroethane
Concen: 4.052 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 3665

Ion	Ratio	Lower	Upper
117	100		
201	67.1	31.9	95.9

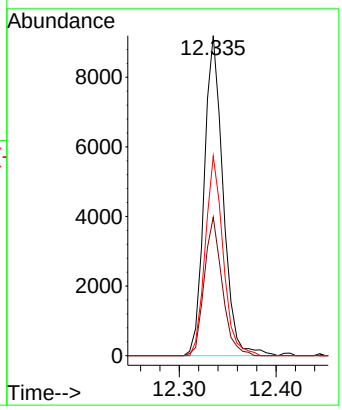




#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1247

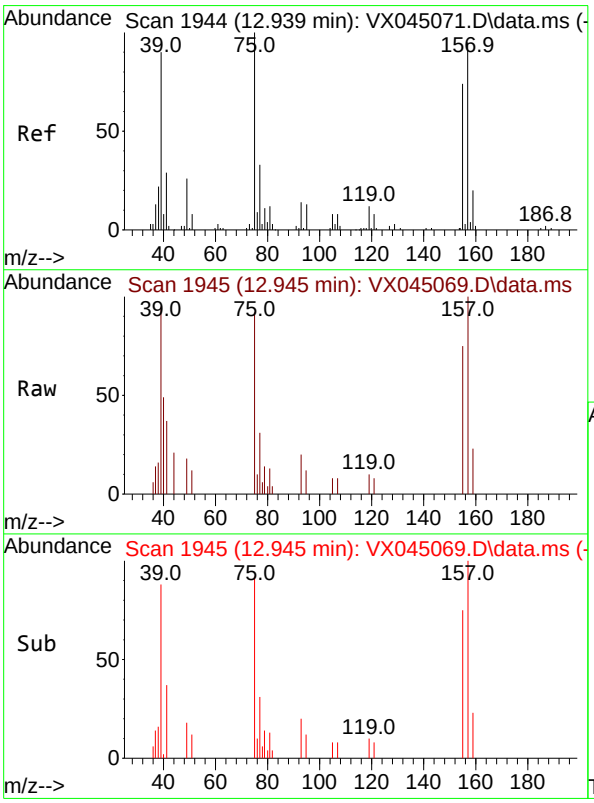
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	59.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

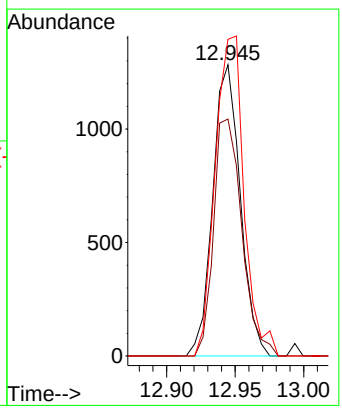
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

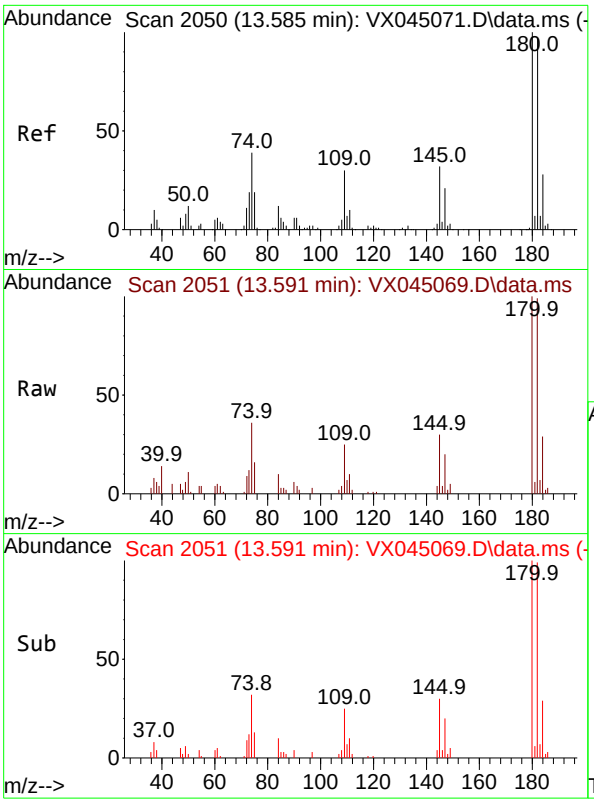


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 1787

Ion	Ratio	Lower	Upper
75	100		
155	83.8	39.6	118.7
157	115.4	51.1	153.4

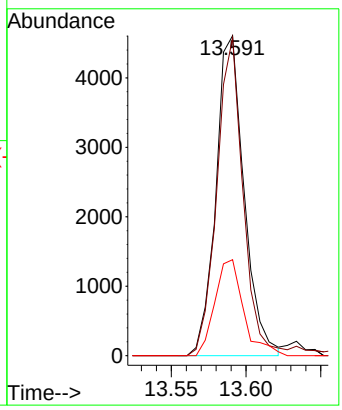




#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 604

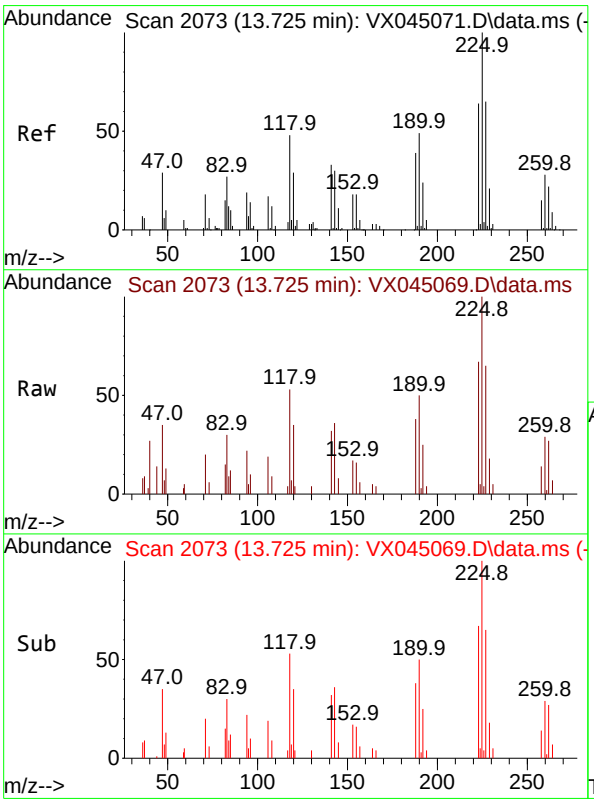
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	30.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

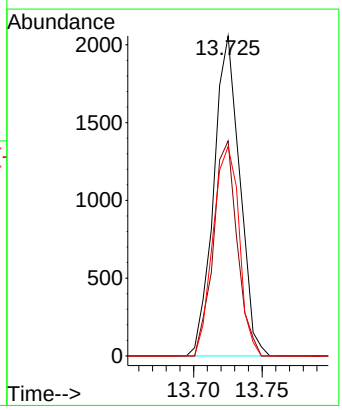
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

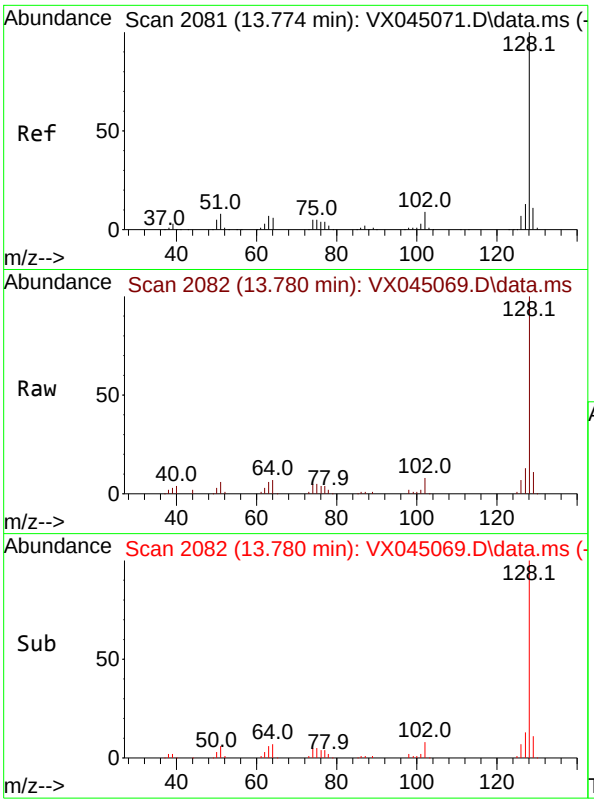


#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:225 Resp: 2716

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	65.5	31.4	94.0

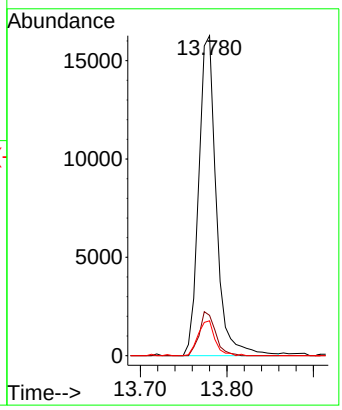




#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:128 Resp: 2292

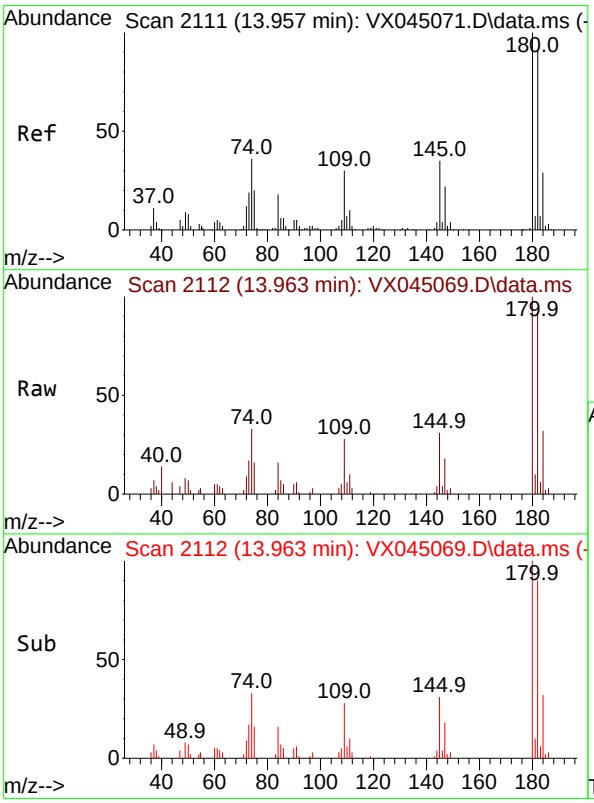
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

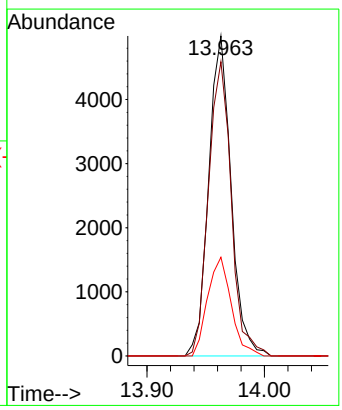
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.437 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 6600

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.6
145	32.6	17.0	50.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	97338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	30514	21.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 42.440%#			
35) Dibromofluoromethane	5.385	113	23739	20.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 40.940%#			
50) Toluene-d8	8.646	98	84516	19.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 38.940%#			
62) 4-Bromofluorobenzene	11.079	95	27856	19.215	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 38.420%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25155	18.750	ug/l	95
3) Chloromethane	1.306	50	32219	19.736	ug/l	99
4) Vinyl Chloride	1.373	62	30134	18.899	ug/l	97
5) Bromomethane	1.593	94	11584	23.239	ug/l	99
6) Chloroethane	1.660	64	14237	23.457	ug/l	99
7) Trichlorofluoromethane	1.867	101	40880	20.015	ug/l	99
8) Diethyl Ether	2.135	74	15911	21.437	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	23154	18.984	ug/l	98
10) Methyl Iodide	2.440	142	29500	18.867	ug/l	100
11) Tert butyl alcohol	2.983	59	31246	118.627	ug/l	98
12) 1,1-Dichloroethene	2.306	96	23810	19.014	ug/l	97
13) Acrolein	2.239	56	33586	117.747	ug/l	99
14) Allyl chloride	2.654	41	42993	19.096	ug/l	100
15) Acrylonitrile	3.068	53	84182	117.598	ug/l	100
16) Acetone	2.385	43	74701	126.257	ug/l	99
17) Carbon Disulfide	2.501	76	61802	18.139	ug/l	99
18) Methyl Acetate	2.709	43	35157	19.729	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82833	20.689	ug/l	96
20) Methylene Chloride	2.782	84	29281	20.895	ug/l	94
21) trans-1,2-Dichloroethene	3.080	96	23471	19.057	ug/l	97
22) Diisopropyl ether	3.763	45	90378	20.995	ug/l	93
23) Vinyl Acetate	3.721	43	381808	108.038	ug/l	99
24) 1,1-Dichloroethane	3.605	63	49826	20.716	ug/l	99
25) 2-Butanone	4.562	43	118713	124.449	ug/l	97
26) 2,2-Dichloropropane	4.470	77	22886	12.799	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	29788	20.065	ug/l	99
28) Bromochloromethane	4.891	49	23869	20.579	ug/l	99
29) Tetrahydrofuran	5.007	42	77433	122.519	ug/l	99
30) Chloroform	5.086	83	49751	21.147	ug/l	97
31) Cyclohexane	5.464	56	42340	19.181	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39276	19.831	ug/l	99
36) 1,1-Dichloropropene	5.684	75	31519	18.903	ug/l	99
37) Ethyl Acetate	4.714	43	43097	22.714	ug/l	99
38) Carbon Tetrachloride	5.671	117	31694	19.334	ug/l	97
39) Methylcyclohexane	7.372	83	39769	18.676	ug/l	97
40) Benzene	6.031	78	105787	20.298	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	23924	23.605	ug/l		97
42) 1,2-Dichloroethane	6.086	62	38653	22.886	ug/l		99
43) Isopropyl Acetate	6.348	43	66727	22.094	ug/l		99
44) Trichloroethene	7.122	130	24052	20.191	ug/l		98
45) 1,2-Dichloropropane	7.427	63	27128	20.945	ug/l		99
46) Dibromomethane	7.580	93	19323	21.357	ug/l		97
47) Bromodichloromethane	7.817	83	38038	21.732	ug/l		97
48) Methyl methacrylate	7.695	41	32627	22.757	ug/l		98
49) 1,4-Dioxane	7.665	88	14602	479.170	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	229615	124.081	ug/l		98
52) Toluene	8.714	92	63326	20.463	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30917	17.871	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	36118	18.675	ug/l		97
55) 1,1,2-Trichloroethane	9.152	97	26358	21.992	ug/l		99
56) Ethyl methacrylate	9.116	69	39850	20.791	ug/l		97
57) 1,3-Dichloropropane	9.305	76	45644	21.836	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	96311	102.342	ug/l		99
59) 2-Hexanone	9.433	43	168768	126.428	ug/l		100
60) Dibromochloromethane	9.518	129	27705	21.668	ug/l		99
61) 1,2-Dibromoethane	9.610	107	26311	21.764	ug/l		98
64) Tetrachloroethene	9.268	164	20140	20.102	ug/l		97
65) Chlorobenzene	10.079	112	68777	20.316	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22508	20.627	ug/l		97
67) Ethyl Benzene	10.189	91	119165	19.905	ug/l		100
68) m/p-Xylenes	10.299	106	89735	40.699	ug/l		98
69) o-Xylene	10.640	106	44281	20.018	ug/l		98
70) Styrene	10.652	104	73832	20.767	ug/l		98
71) Bromoform	10.799	173	17403	21.449	ug/l	#	99
73) Isopropylbenzene	10.963	105	112099	19.794	ug/l		99
74) N-amyl acetate	10.841	43	52972	20.606	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	42413	21.738	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	33440m	21.394	ug/l		
77) Bromobenzene	11.195	156	26310	20.466	ug/l		99
78) n-propylbenzene	11.305	91	128284	19.641	ug/l		100
79) 2-Chlorotoluene	11.359	91	79275	19.775	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	94545	20.581	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8759	15.196	ug/l		96
82) 4-Chlorotoluene	11.451	91	86281	19.443	ug/l		98
83) tert-Butylbenzene	11.713	119	93670	20.159	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	94734	20.943	ug/l		100
85) sec-Butylbenzene	11.890	105	115953	20.160	ug/l		100
86) p-Isopropyltoluene	12.006	119	91554	19.827	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	47934	20.400	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	46657	19.615	ug/l		99
89) n-Butylbenzene	12.329	91	78135	19.249	ug/l		100
90) Hexachloroethane	12.536	117	15919	18.483	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	48632	21.031	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7987	22.119	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	27424	19.617	ug/l		99
94) Hexachlorobutadiene	13.725	225	10934	19.616	ug/l		99
95) Naphthalene	13.774	128	108350	21.279	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	28937	20.432	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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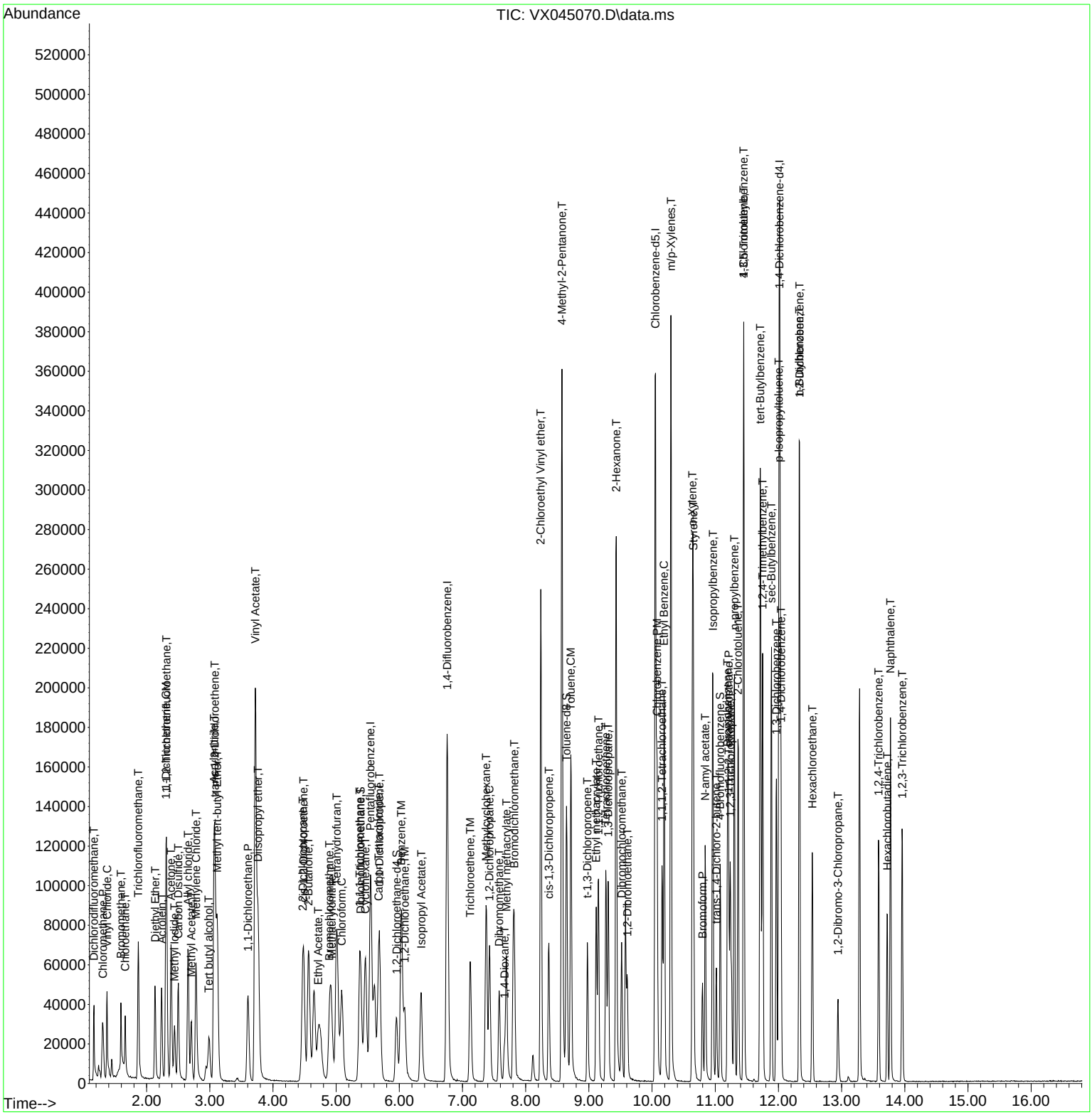
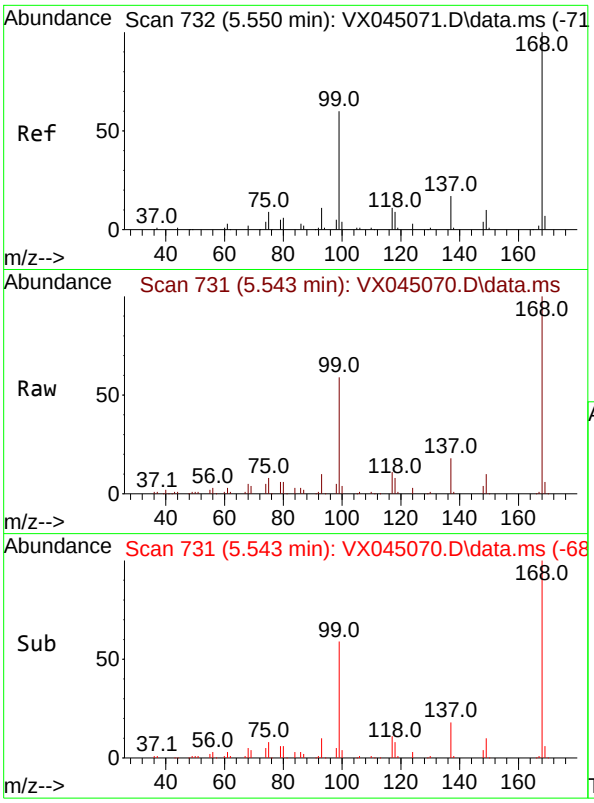
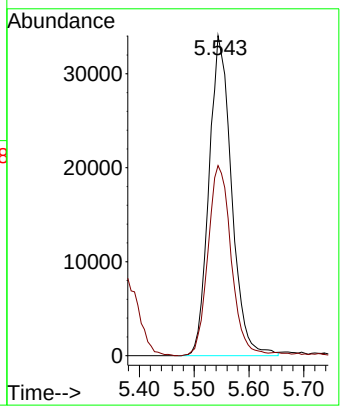




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:168 Resp: 9733

Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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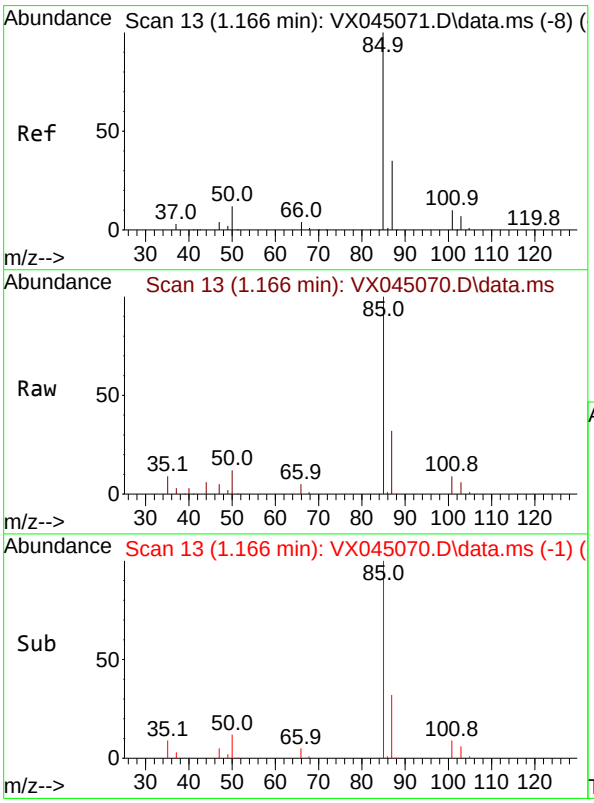
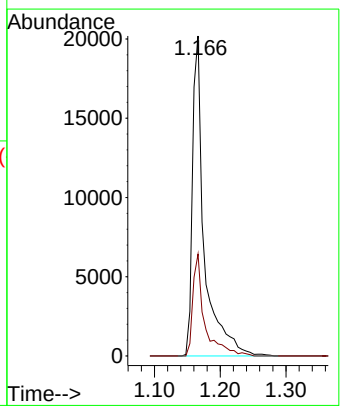
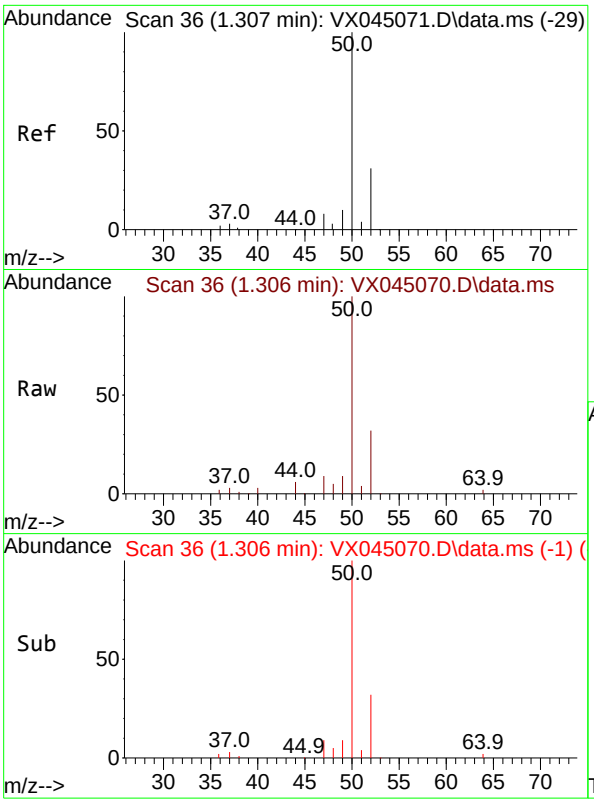


#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 85 Resp: 25155

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3

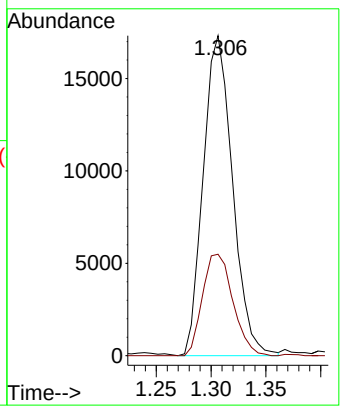




#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 50 Resp: 3221

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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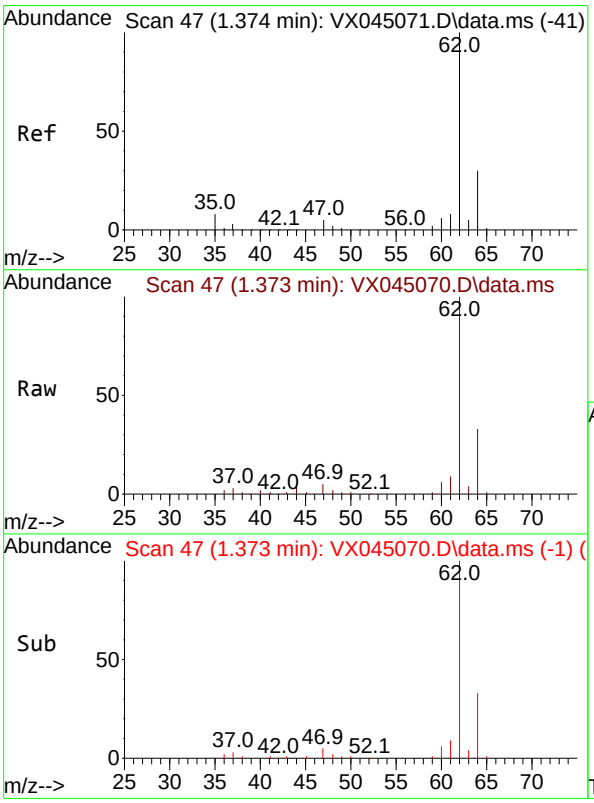
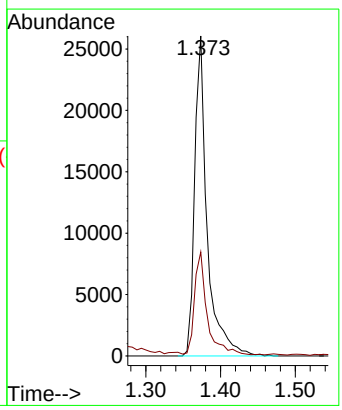
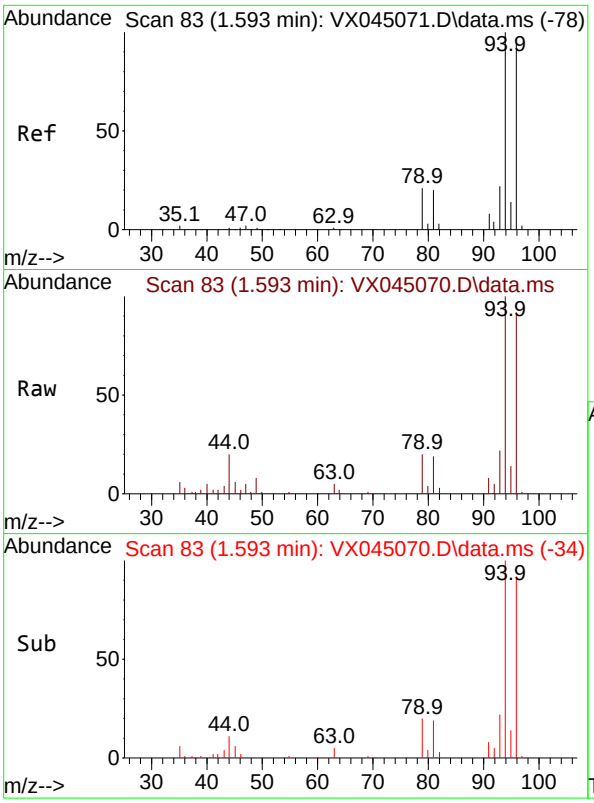


#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 30134

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5

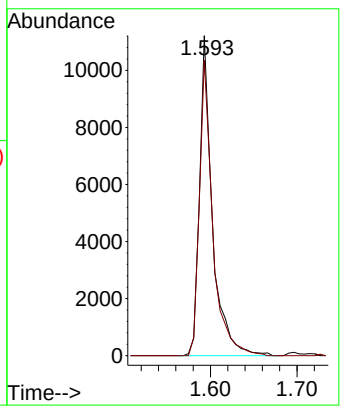




#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 94 Resp: 1158

Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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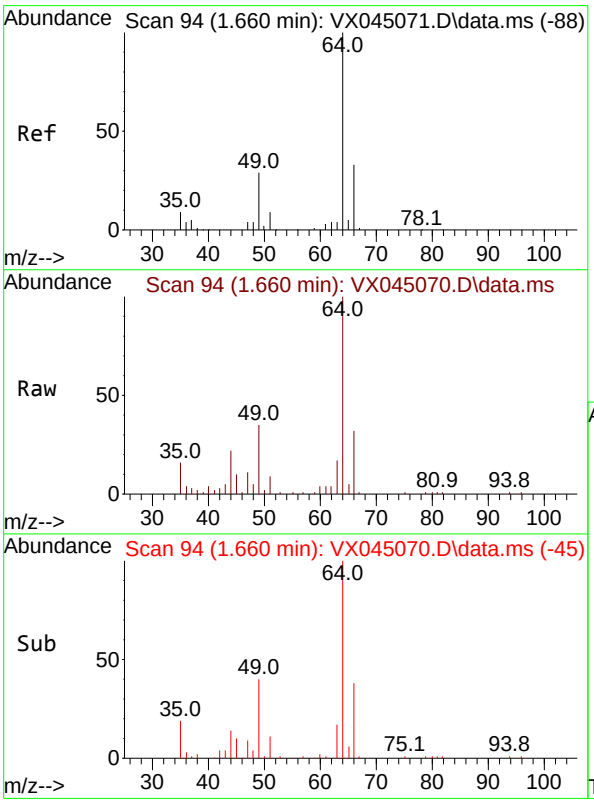
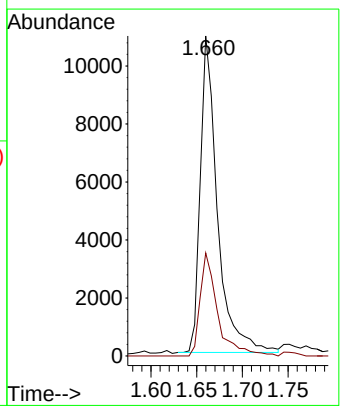
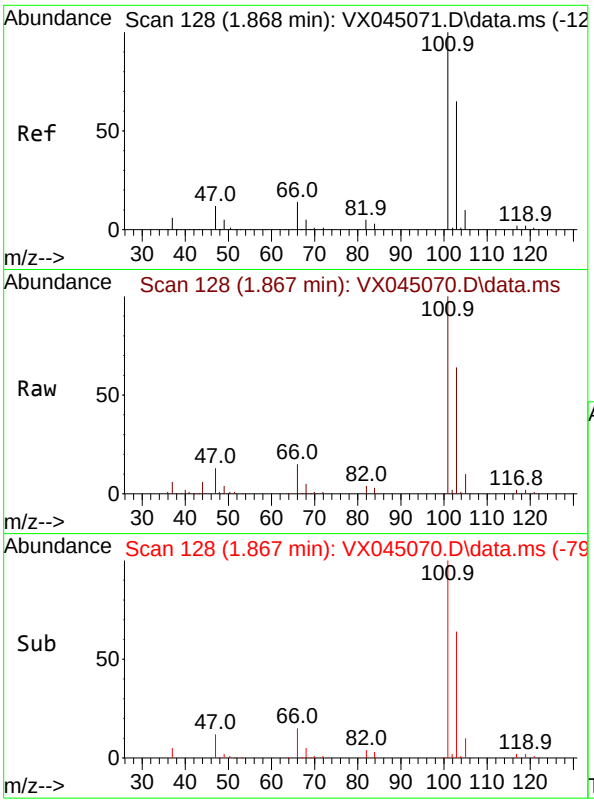


#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 64 Resp: 14237

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1





#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:101 Resp: 4088

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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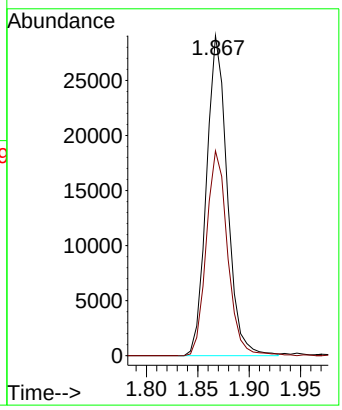
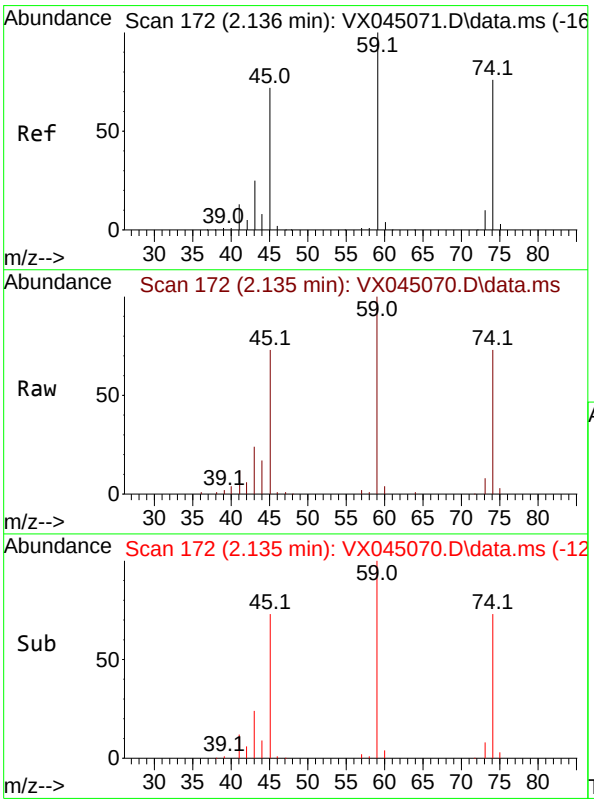
Supervised By :Mahesh Dadoda 02/28/2025

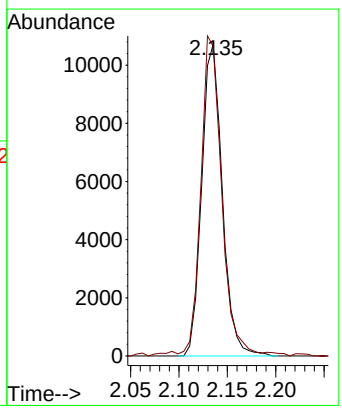


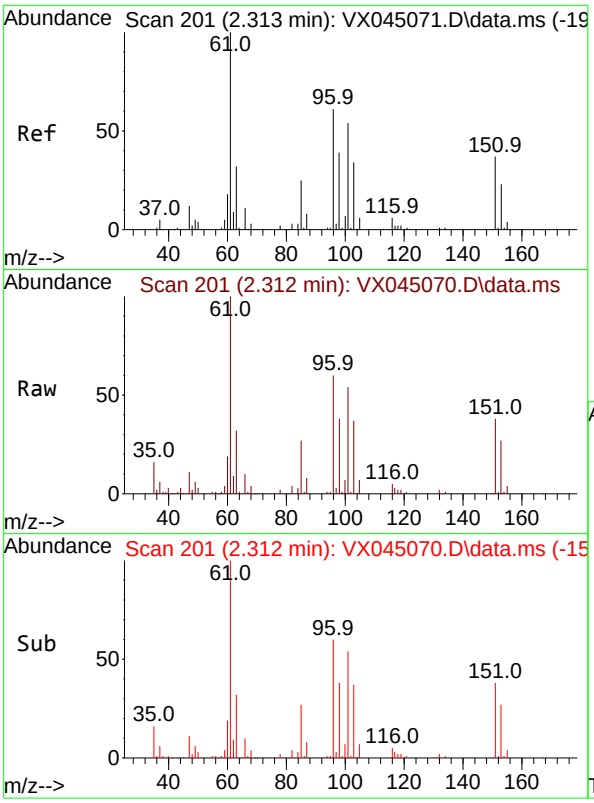


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 74 Resp: 15911

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:101 Resp: 2315

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	71.8	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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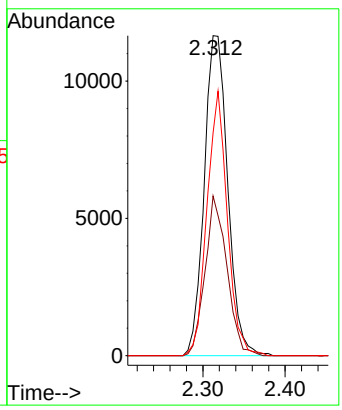
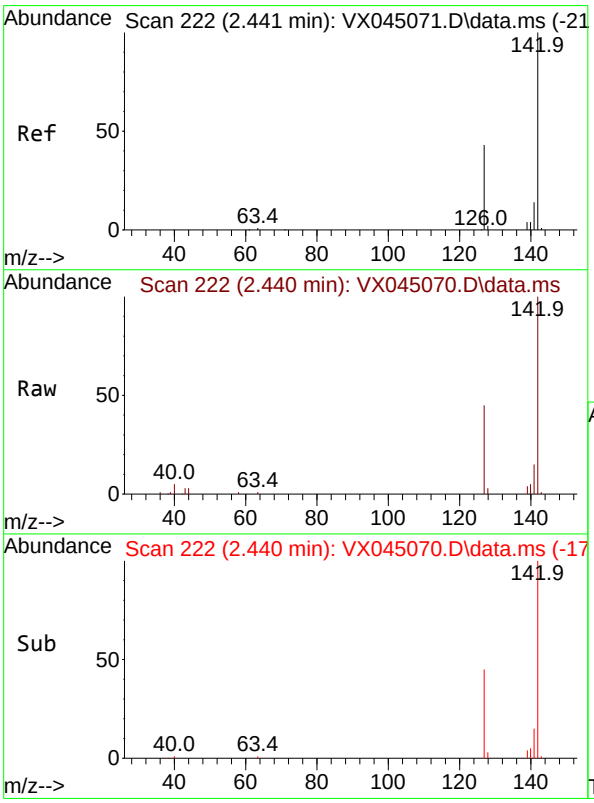
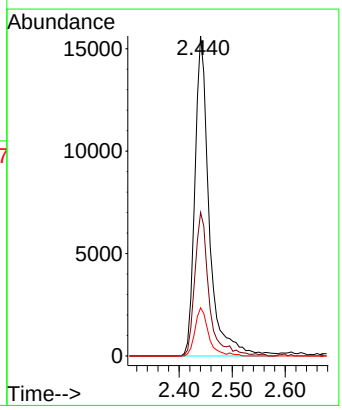


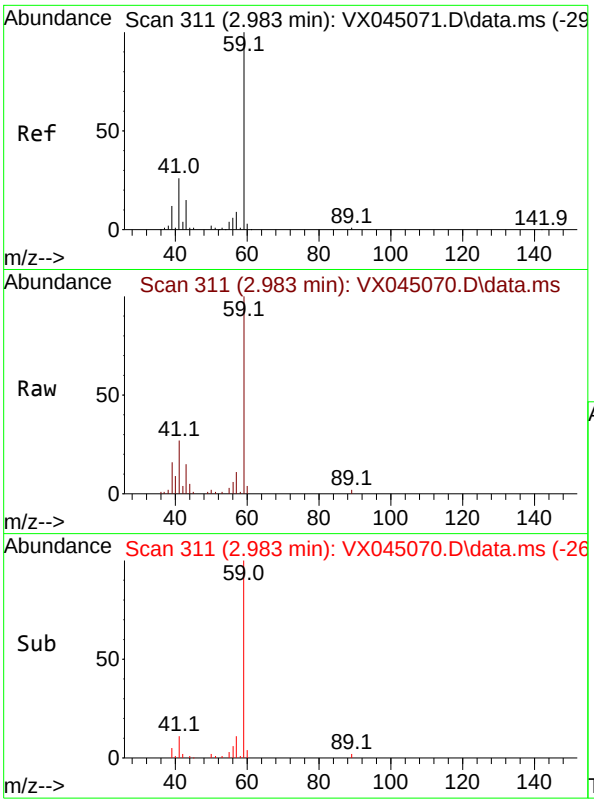


#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:142 Resp: 29500

Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.4	53.2
141	14.3	11.6	17.4

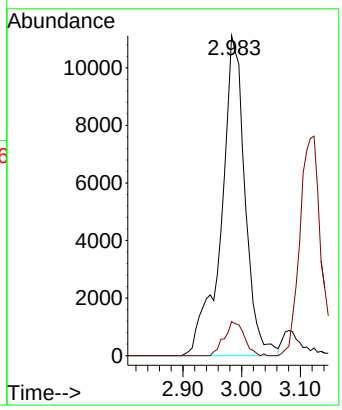




#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 59 Resp: 3124

Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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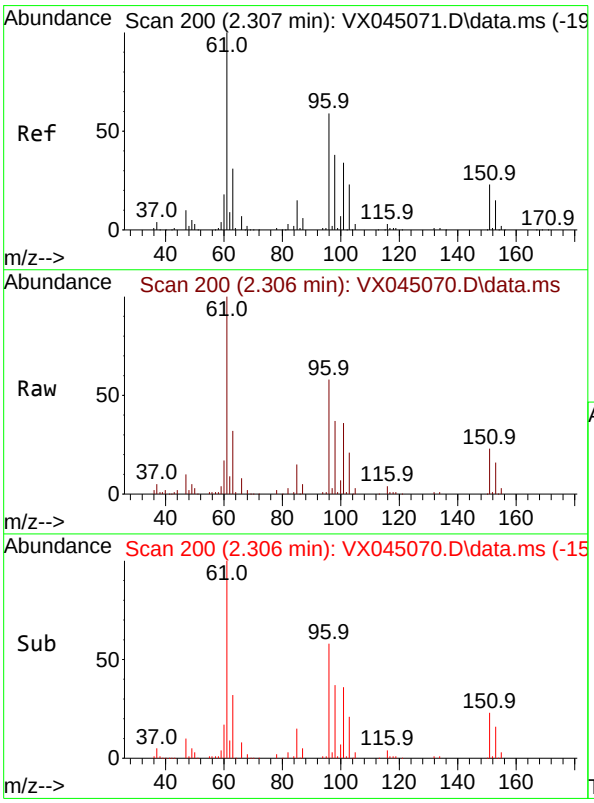
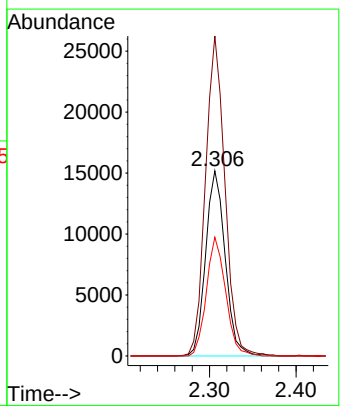
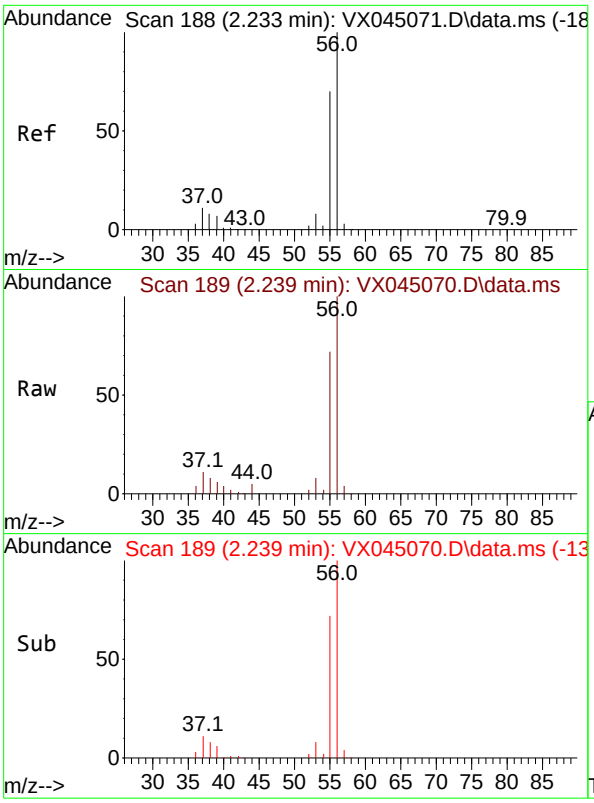


#12
1,1-Dichloroethene
Concen: 19.014 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 23810

Ion	Ratio	Lower	Upper
96	100		
61	172.8	134.6	202.0
98	64.1	51.0	76.6

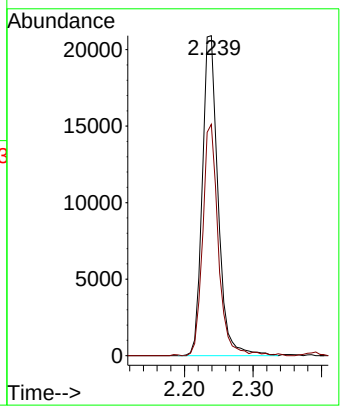




#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 3358

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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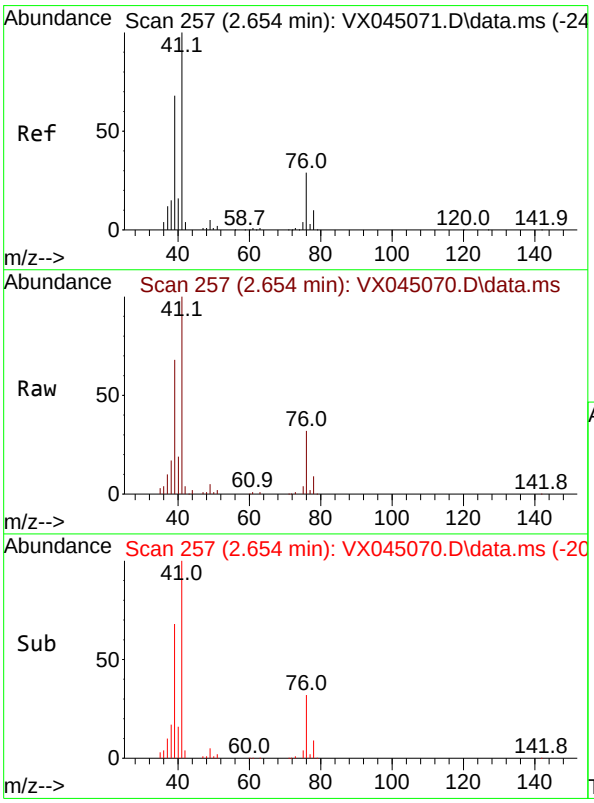
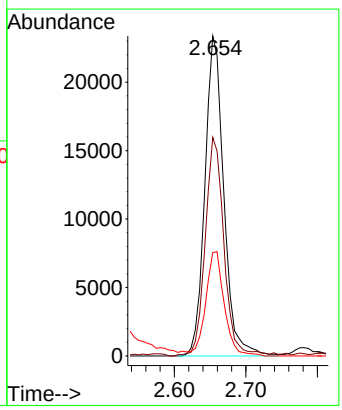
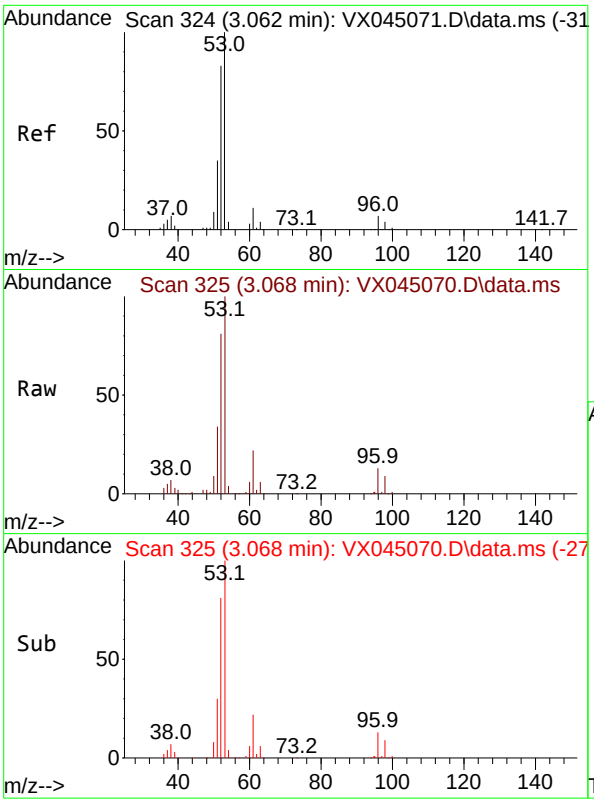


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 42993

Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.8	80.8
76	32.1	25.2	37.8

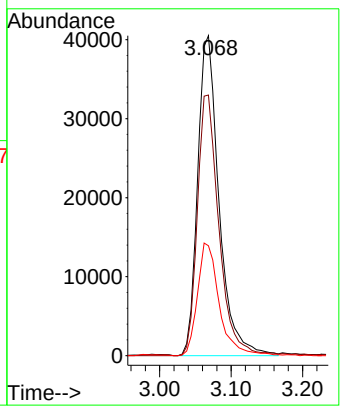




#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 53 Resp: 8418

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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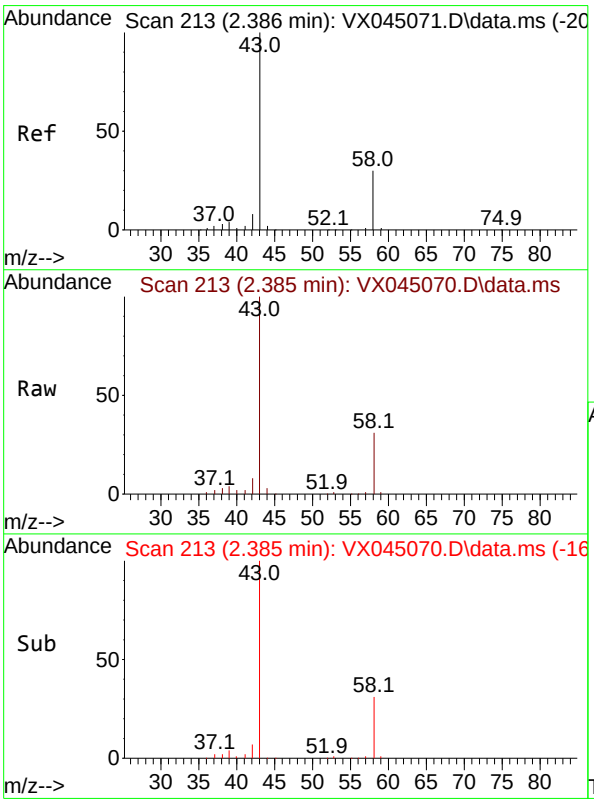
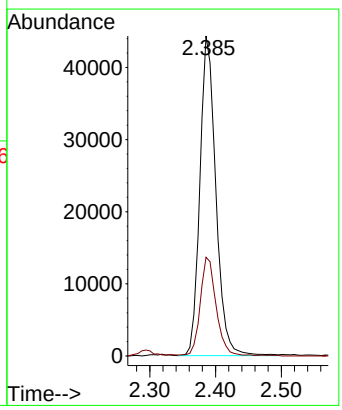
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

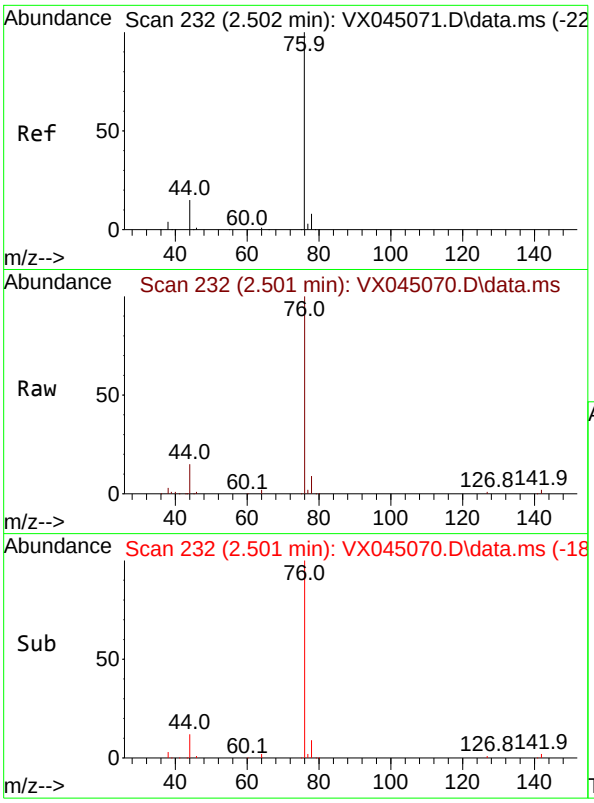


#16
Acetone
Concen: 126.257 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 74701

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4





#17
Carbon Disulfide
Concen: 18.139 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 76 Resp: 6180

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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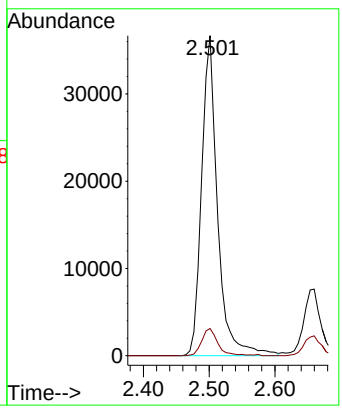
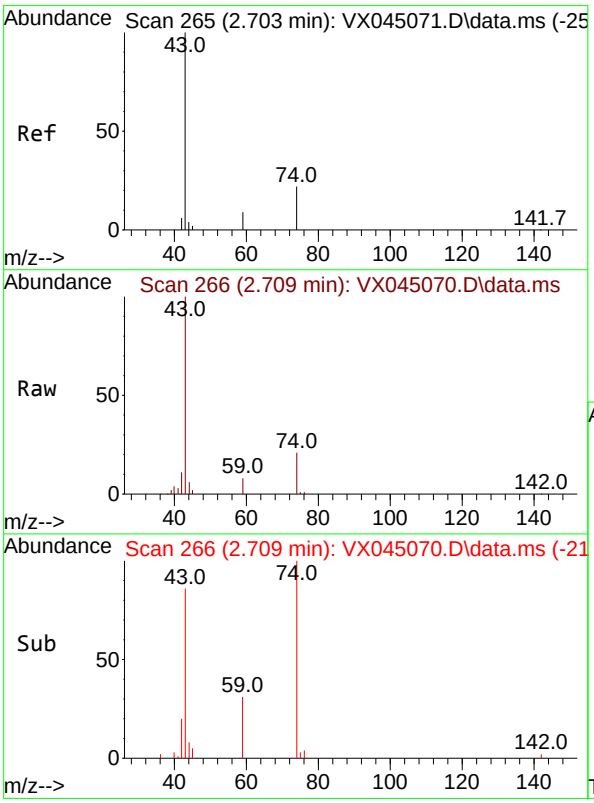
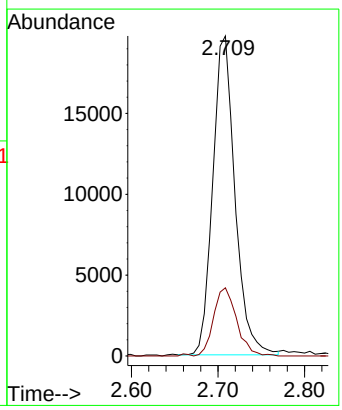


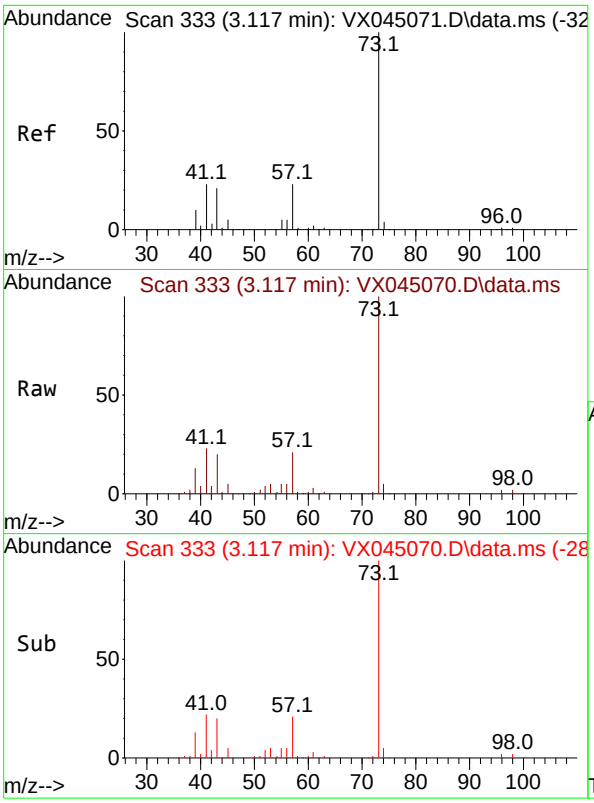


#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2

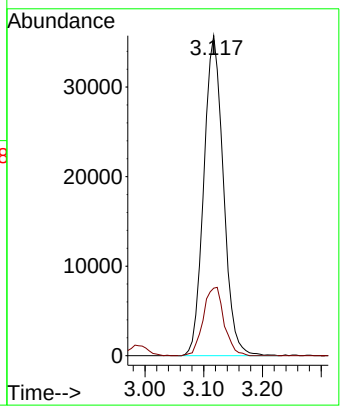




#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 73 Resp: 8283

Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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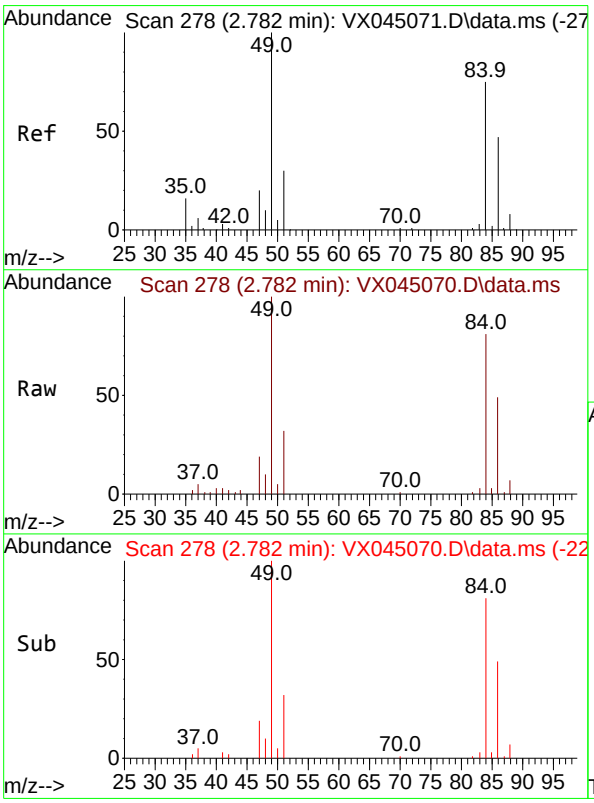
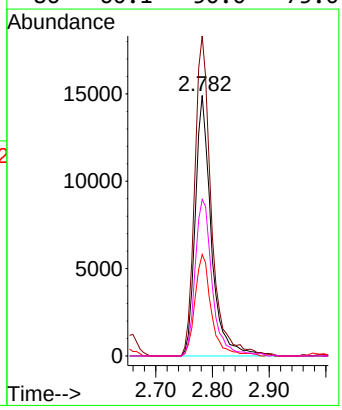
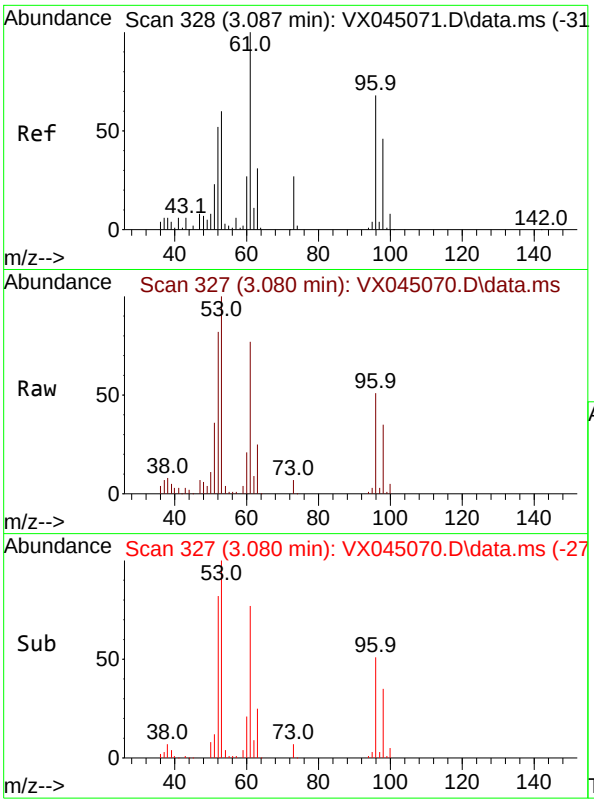


#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 84 Resp: 29281

Ion	Ratio	Lower	Upper
84	100		
49	122.9	106.5	159.7
51	38.9	32.1	48.1
86	60.1	50.0	75.0

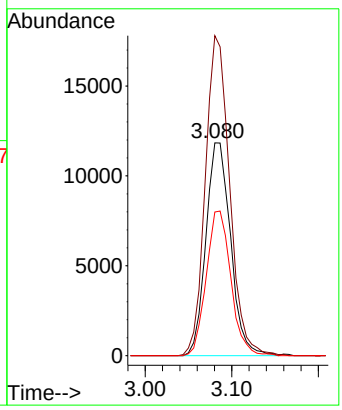




#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 2347

Ion	Ratio	Lower	Upper
96	100		
61	150.3	117.0	175.4
98	67.5	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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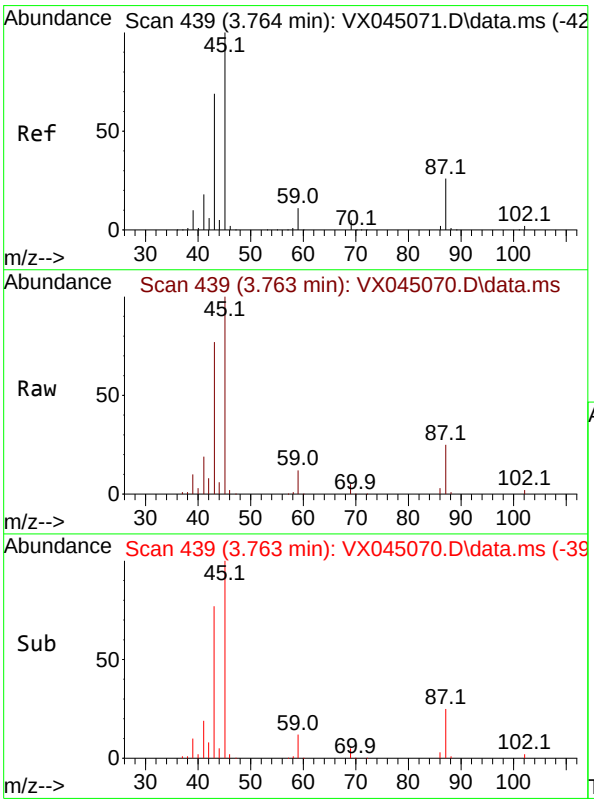
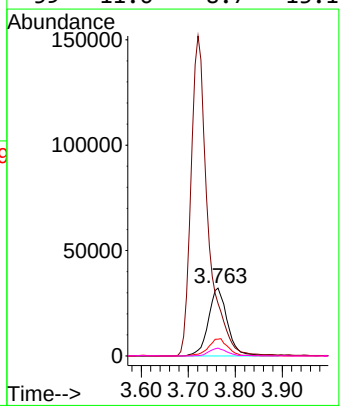
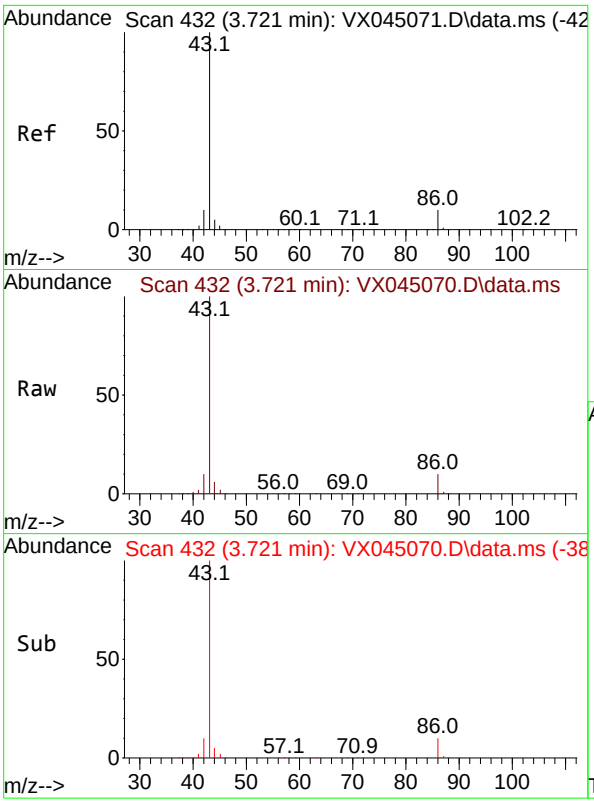


#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 45 Resp: 90378

Ion	Ratio	Lower	Upper
45	100		
43	76.4	54.9	82.3
87	24.7	21.0	31.4
59	11.6	8.7	13.1





#23
Vinyl Acetate
Concen: 108.038 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 38180

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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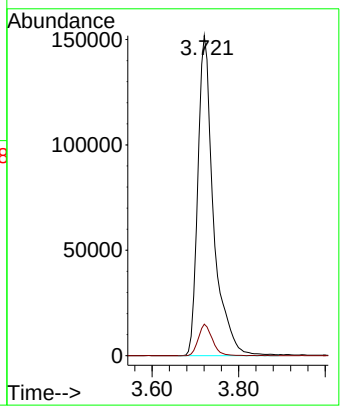
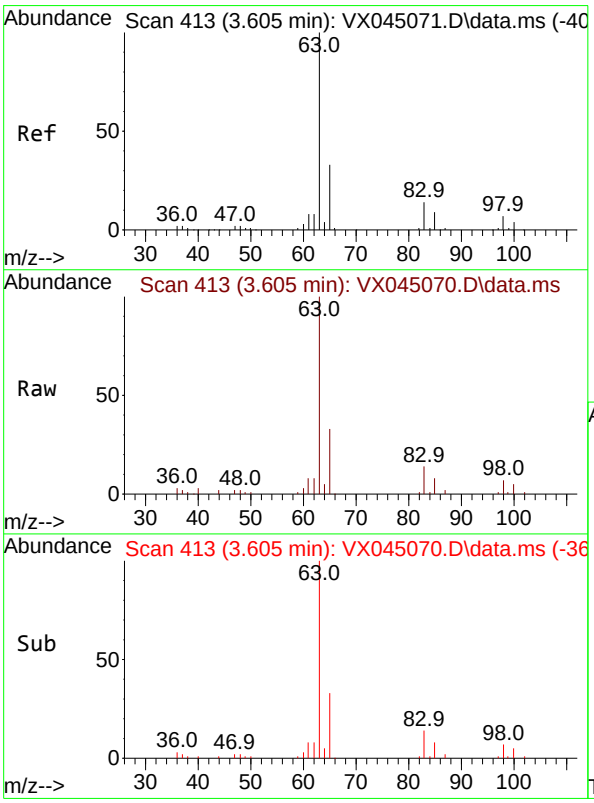
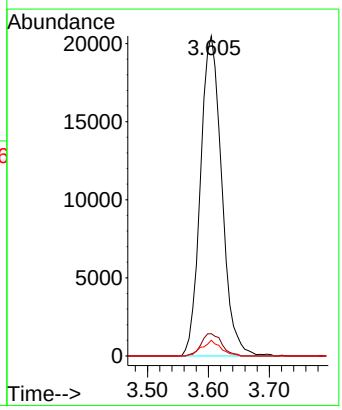


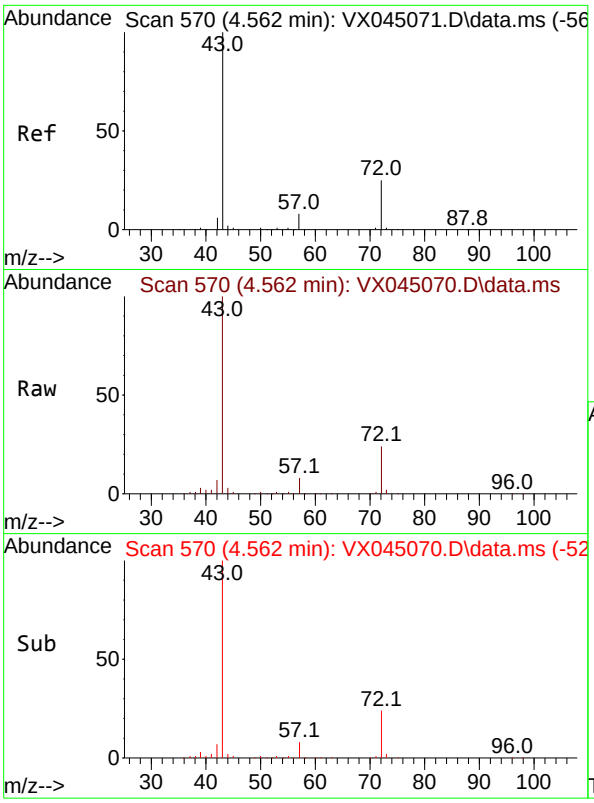


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 49826

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.9	2.1	6.5





#25
2-Butanone
Concen: 124.449 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 11871

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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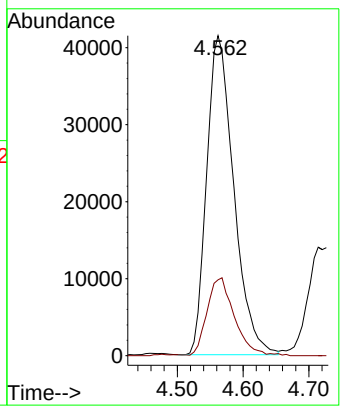
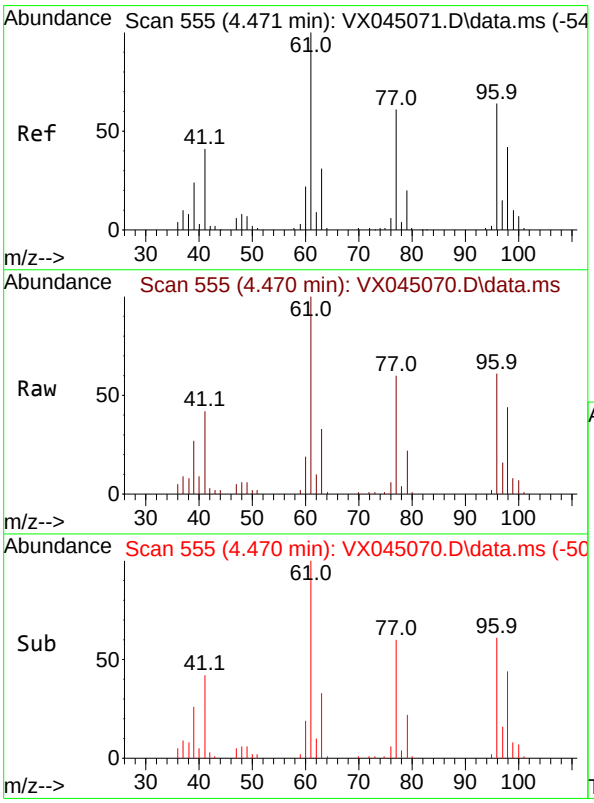
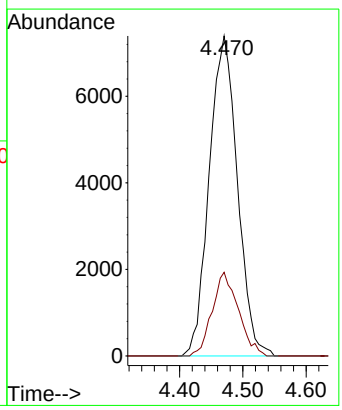


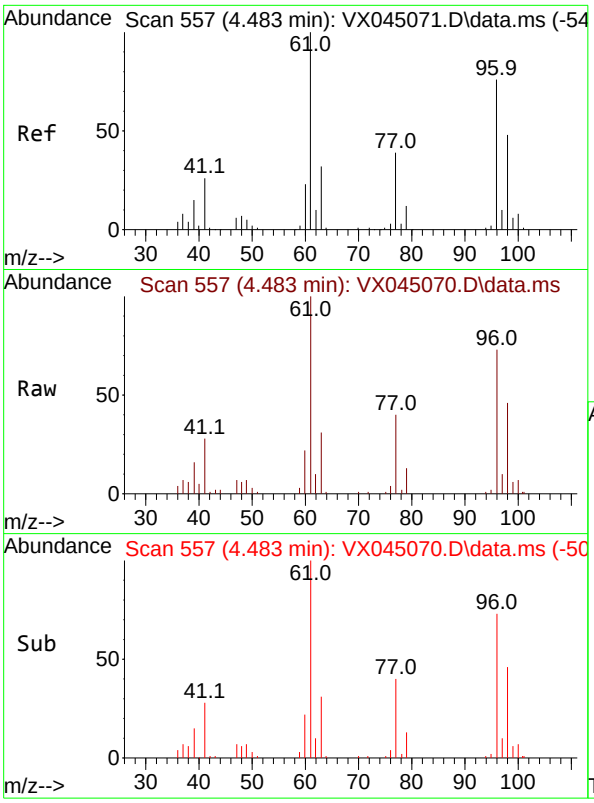


#26
2,2-Dichloropropane
Concen: 12.799 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 77 Resp: 22886

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 2978

Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	283.2
98	65.6	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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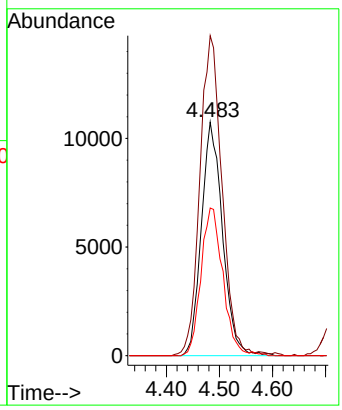
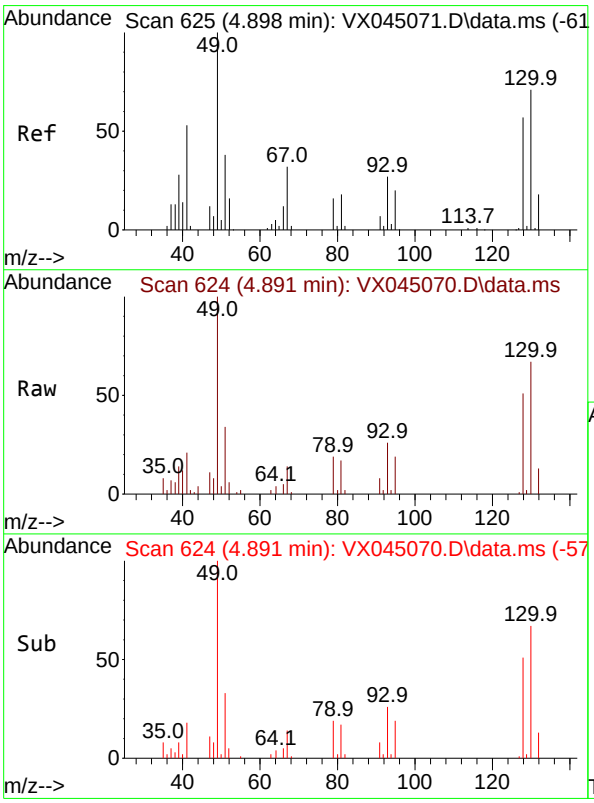
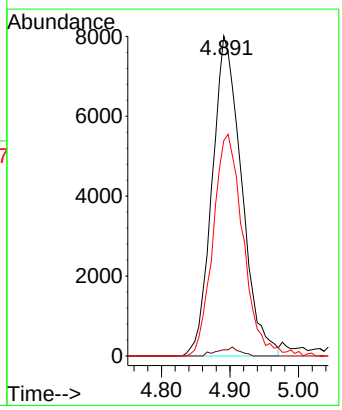


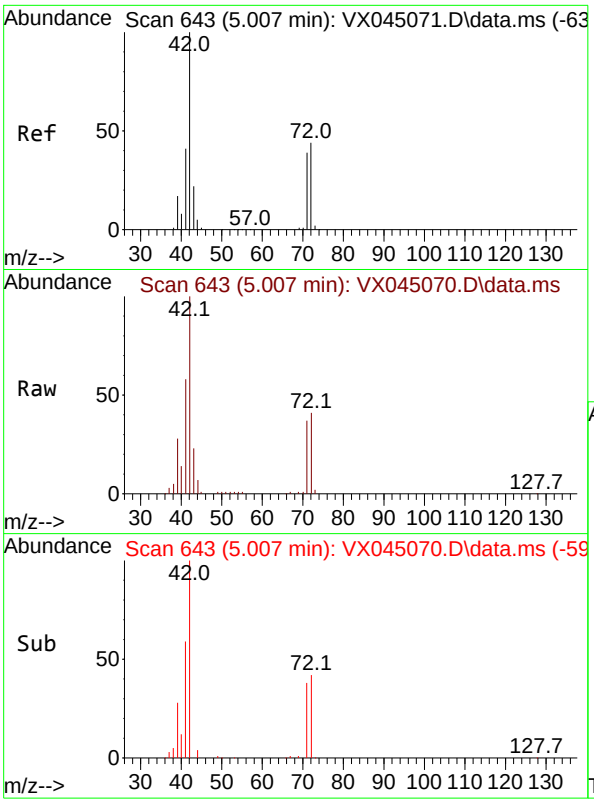


#28
Bromochloromethane
Concen: 20.579 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 49 Resp: 23869

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	70.6	56.1	84.1

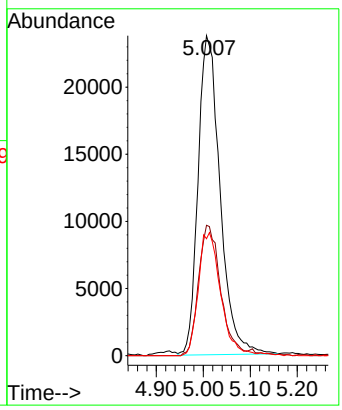




#29
Tetrahydrofuran
Concen: 122.519 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 42 Resp: 7743

Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	39.0	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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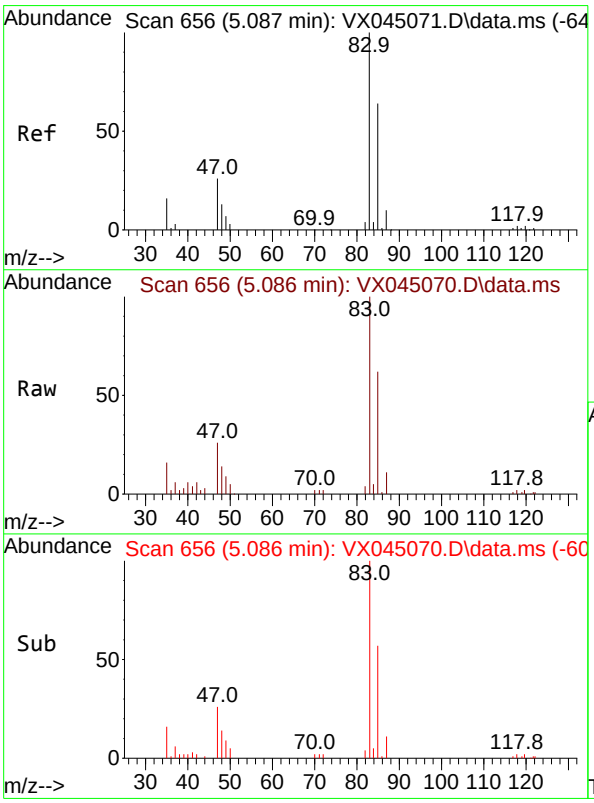
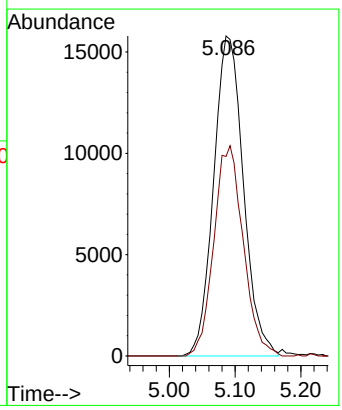
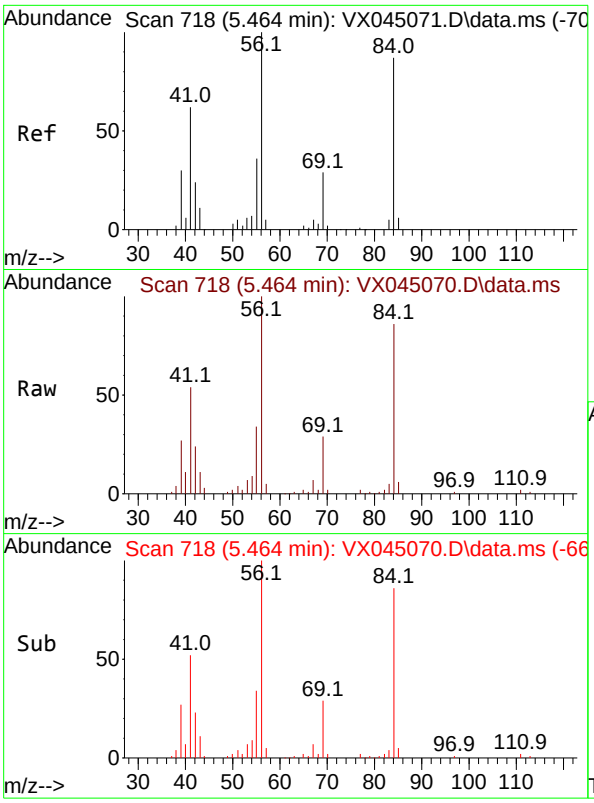


#30
Chloroform
Concen: 21.147 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 49751

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2

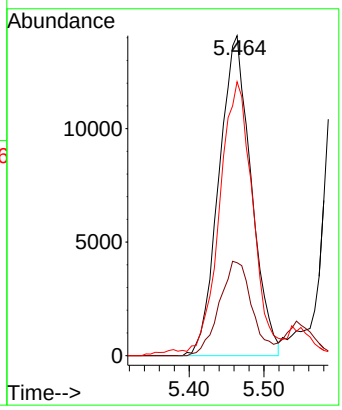




#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 4234

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	84.2	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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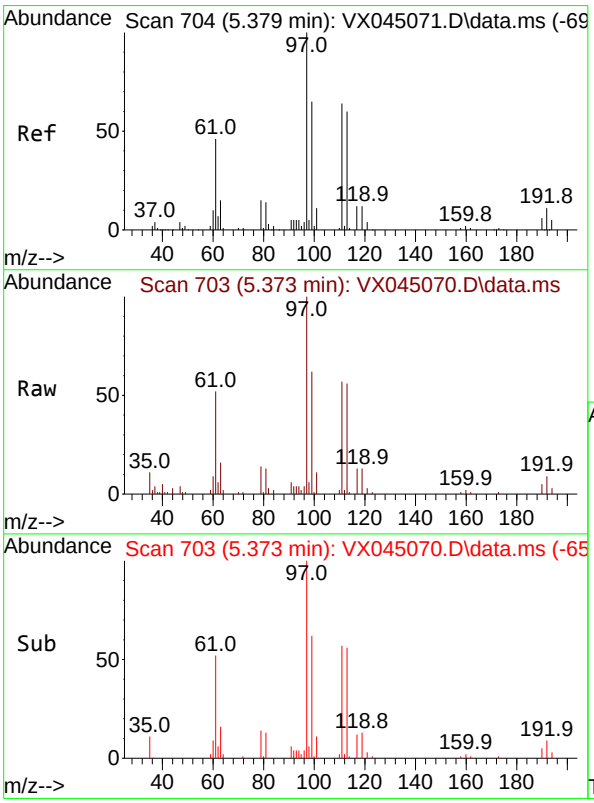
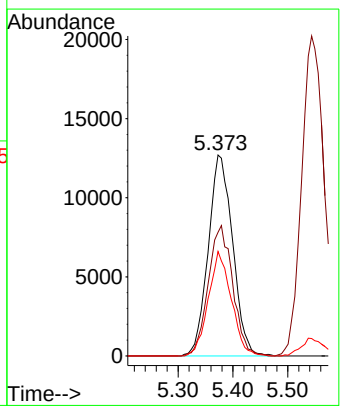
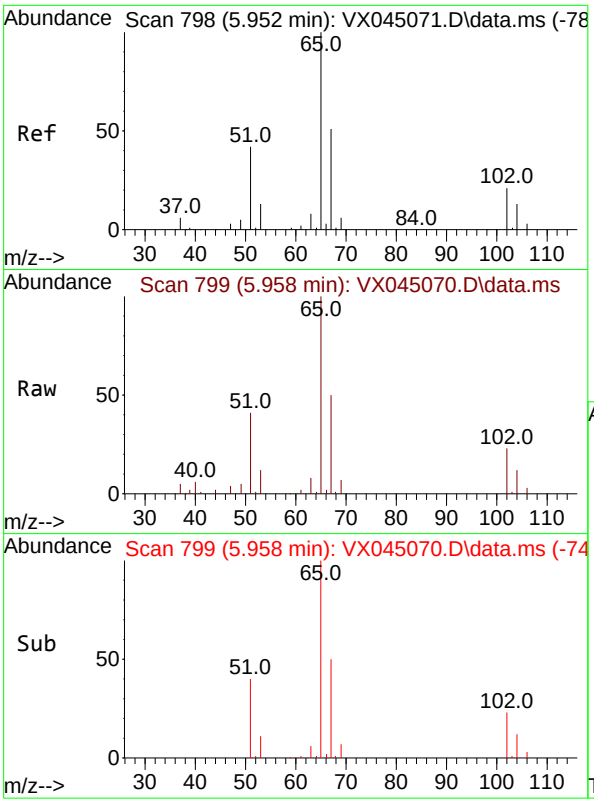


#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 39276

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	48.9	38.4	57.6

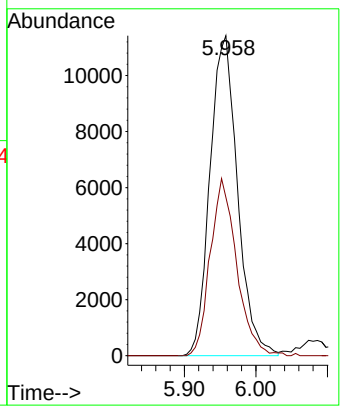




#33
1,2-Dichloroethane-d4
Concen: 21.221 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 65 Resp: 3051

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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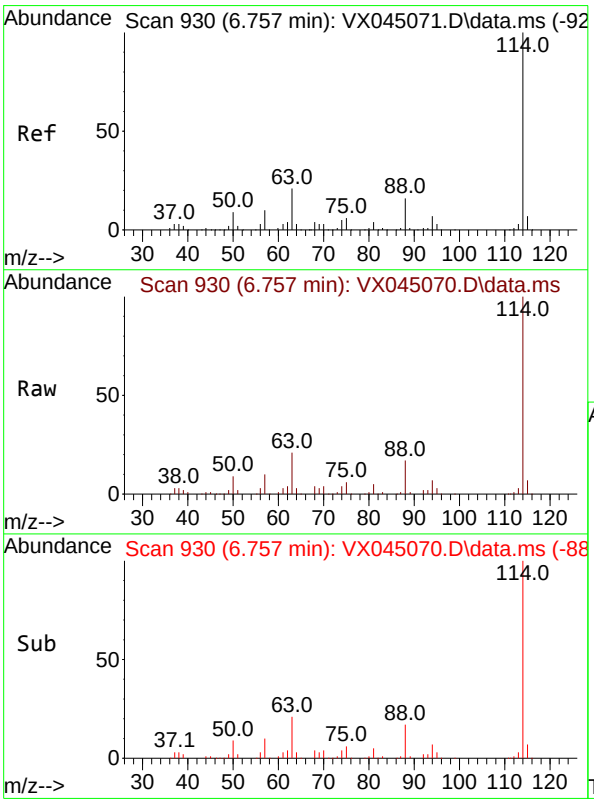
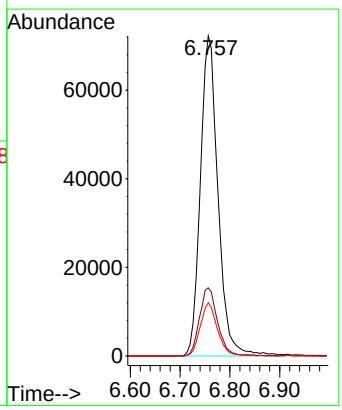
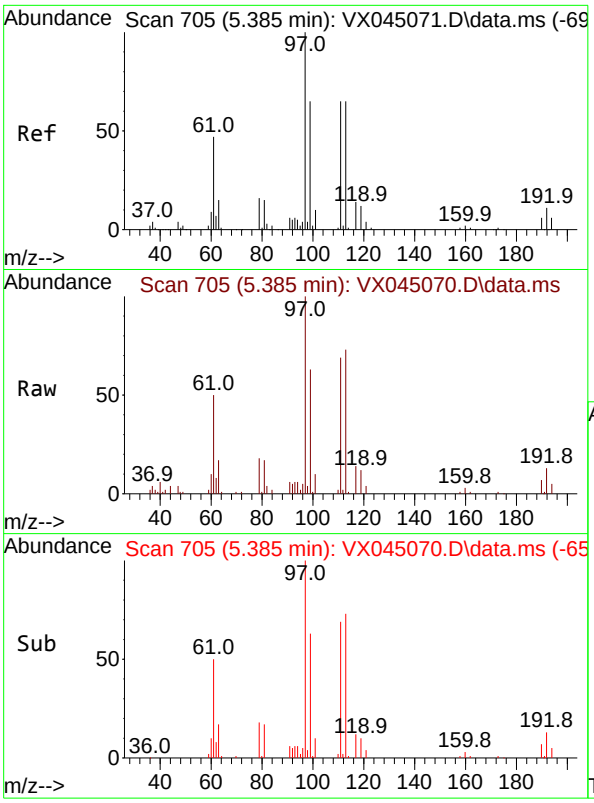


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:114 Resp: 177403

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.8
88	16.6	0.0	32.8

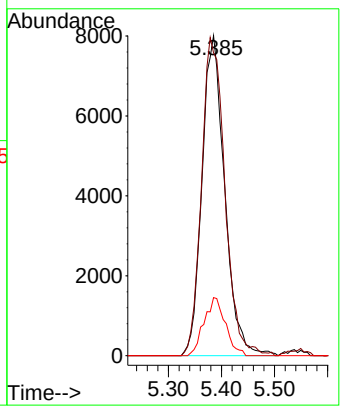




#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:113 Resp: 2373

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.2	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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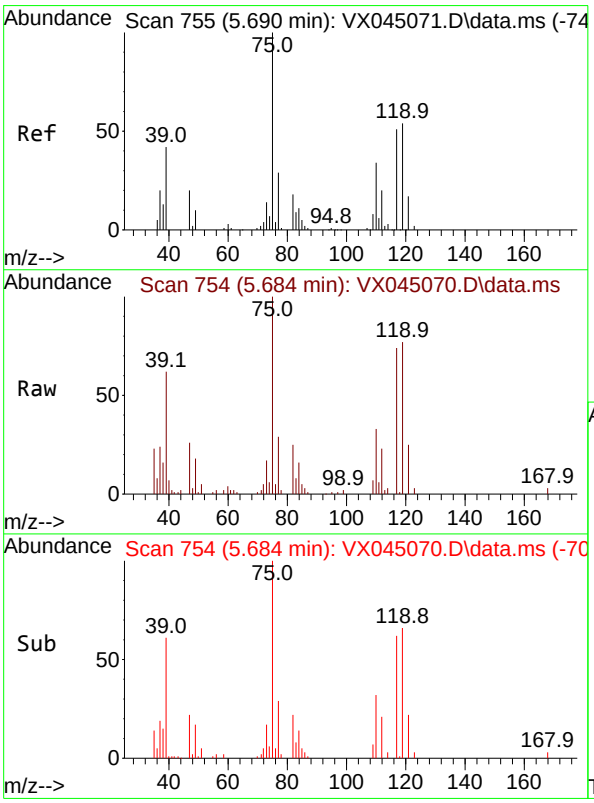
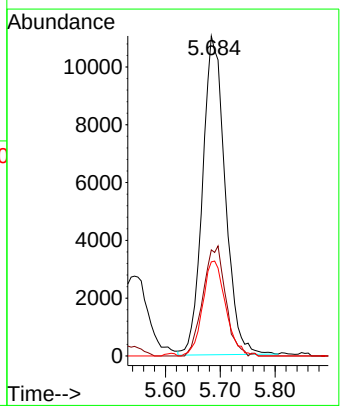
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

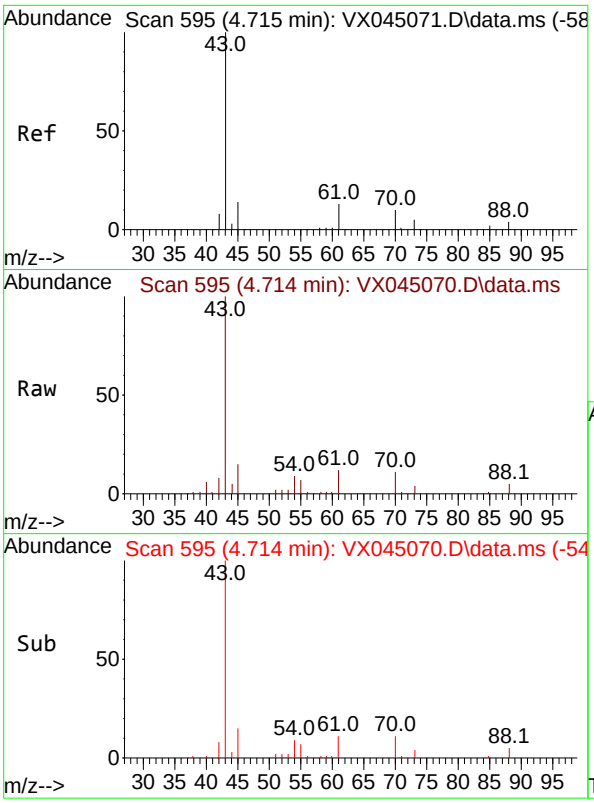


#36
1,1-Dichloropropene
Concen: 18.903 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 31519

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.3	24.5	36.7

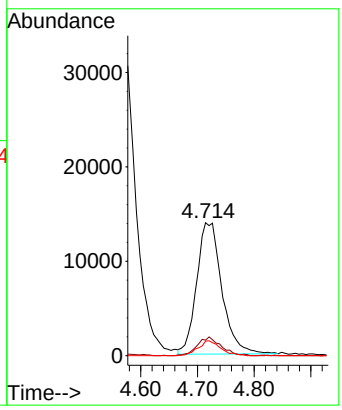




#37
Ethyl Acetate
Concen: 22.714 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 4309

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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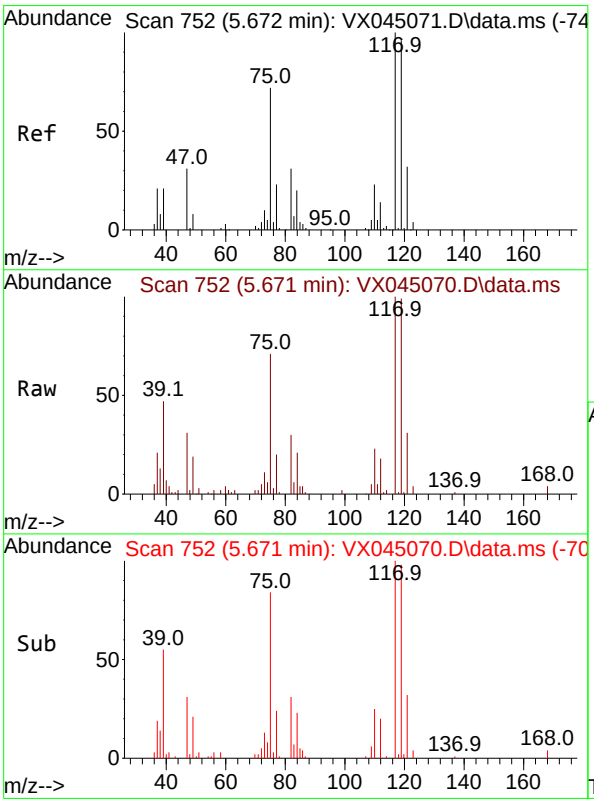
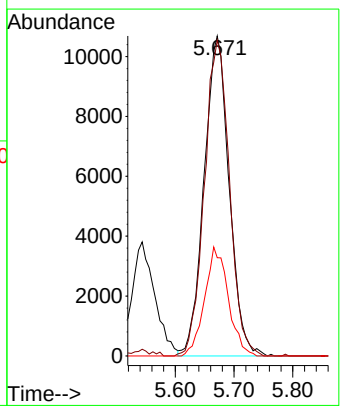
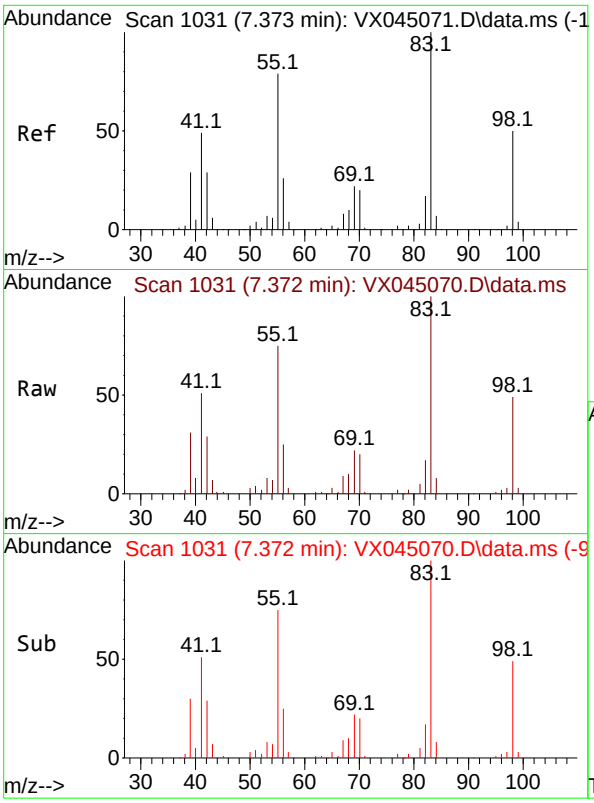


#38
Carbon Tetrachloride
Concen: 19.334 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 31694

Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.7	115.1
121	30.7	25.5	38.3

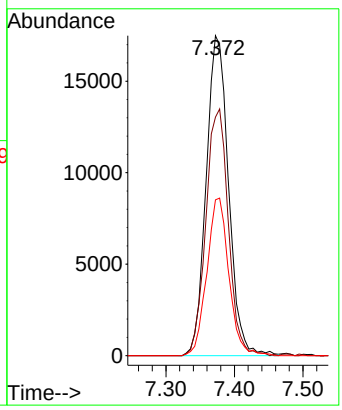




#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3976

Ion	Ratio	Lower	Upper
83	100		
55	74.6	63.0	94.4
98	48.7	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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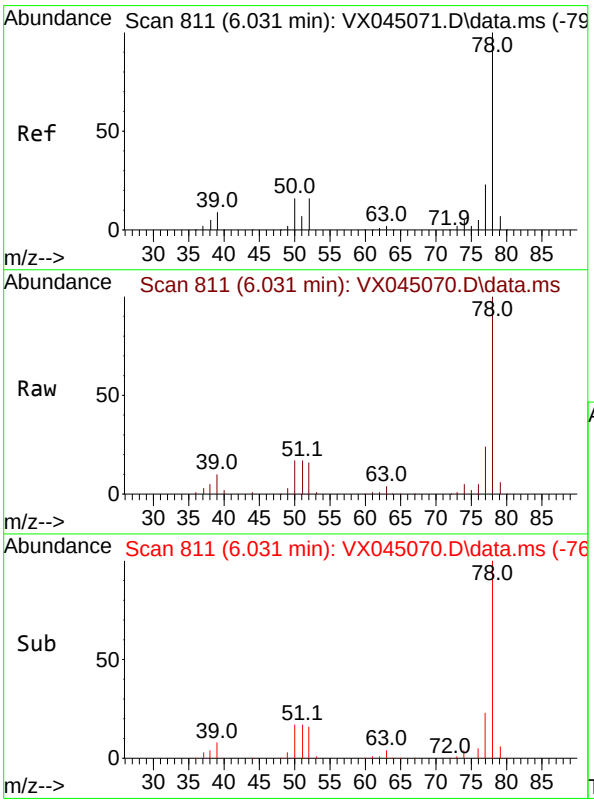
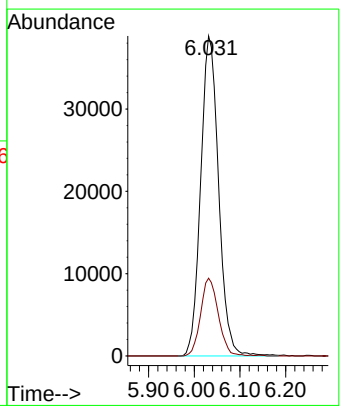
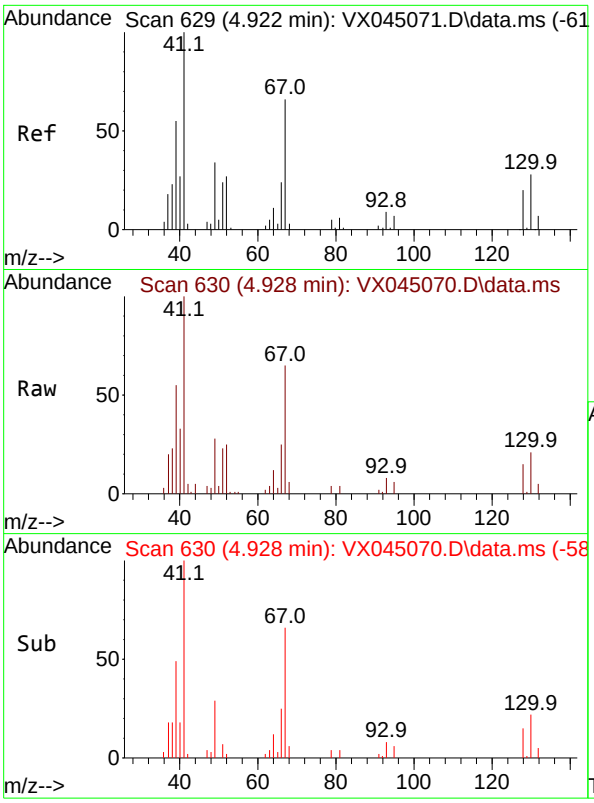


#40
Benzene
Concen: 20.298 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 78 Resp: 105787

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2

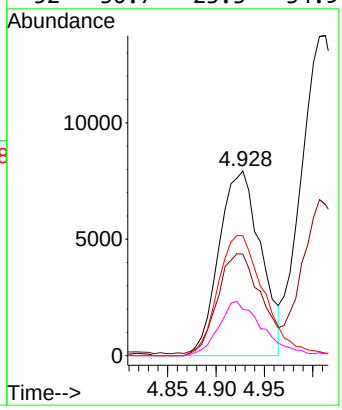




#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 2392

Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.6	67.0
67	71.6	53.9	80.9
52	30.7	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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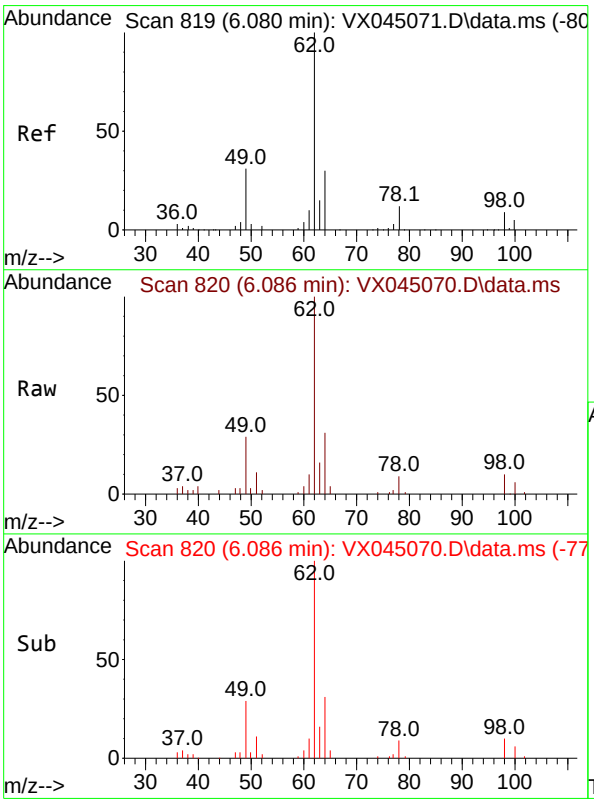
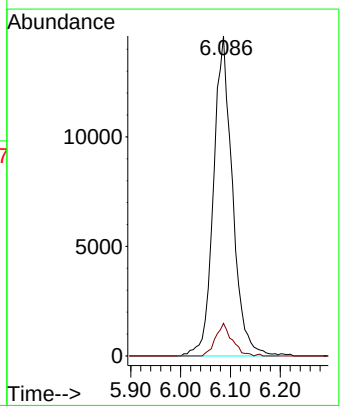
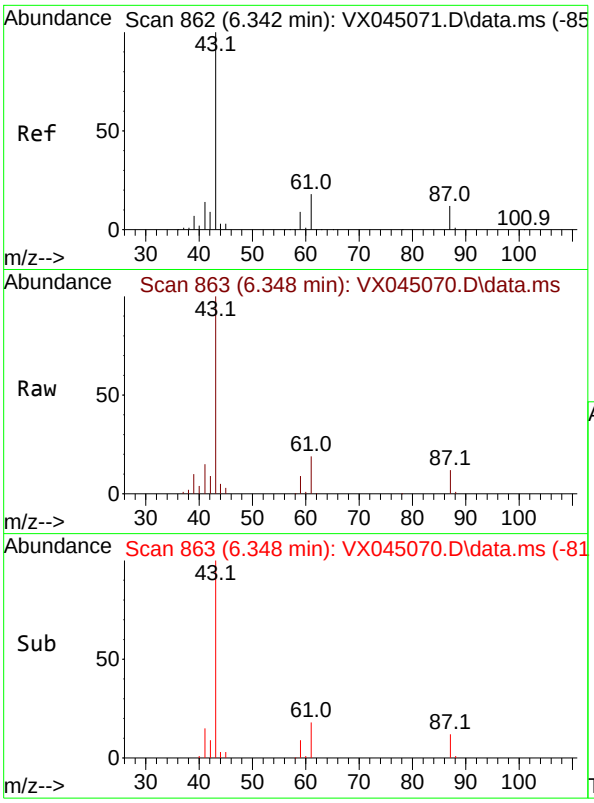


#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 38653

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 22.094 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 6672

Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.5	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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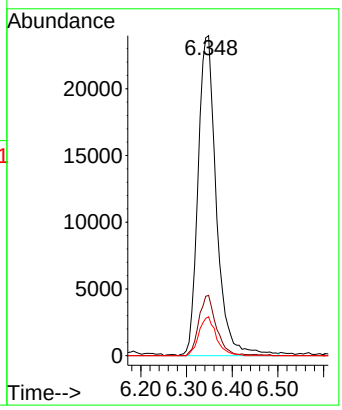
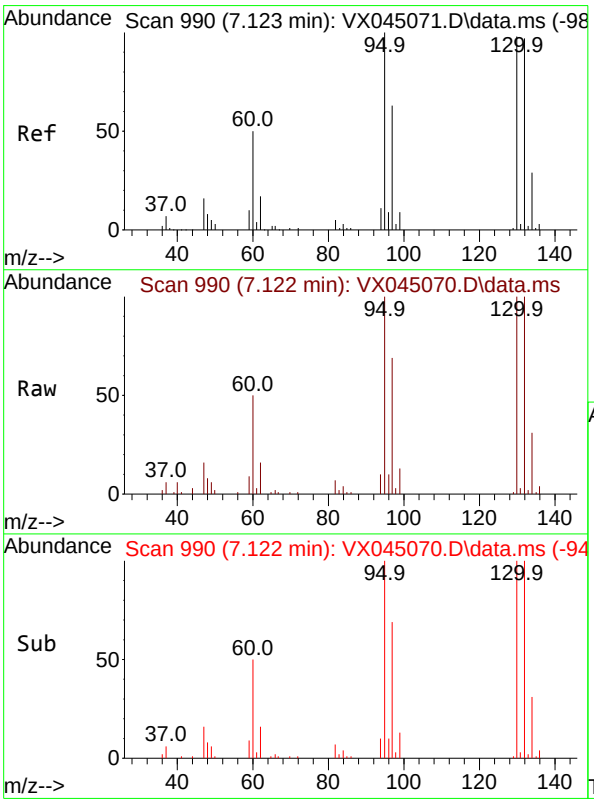
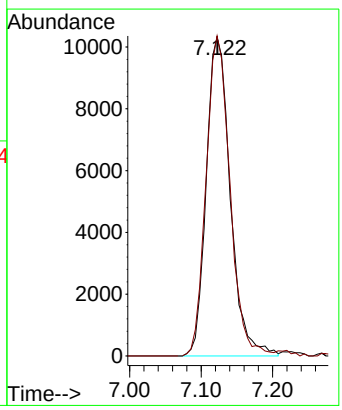


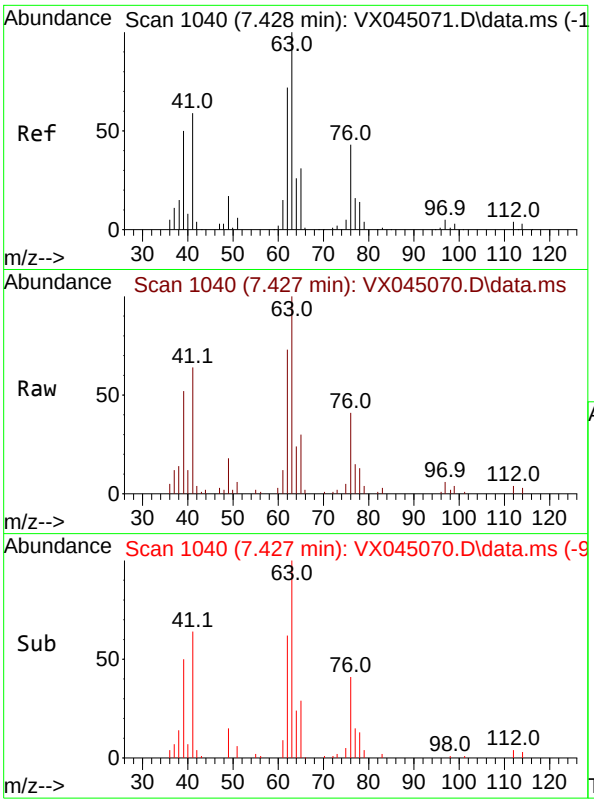


#44
Trichloroethene
Concen: 20.191 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:130 Resp: 24052

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0

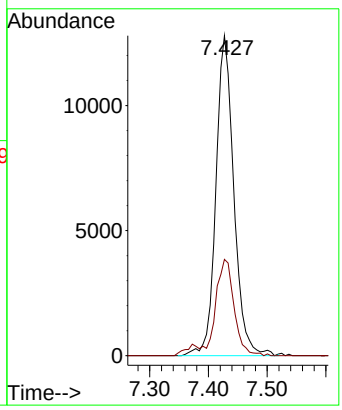




#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 2712

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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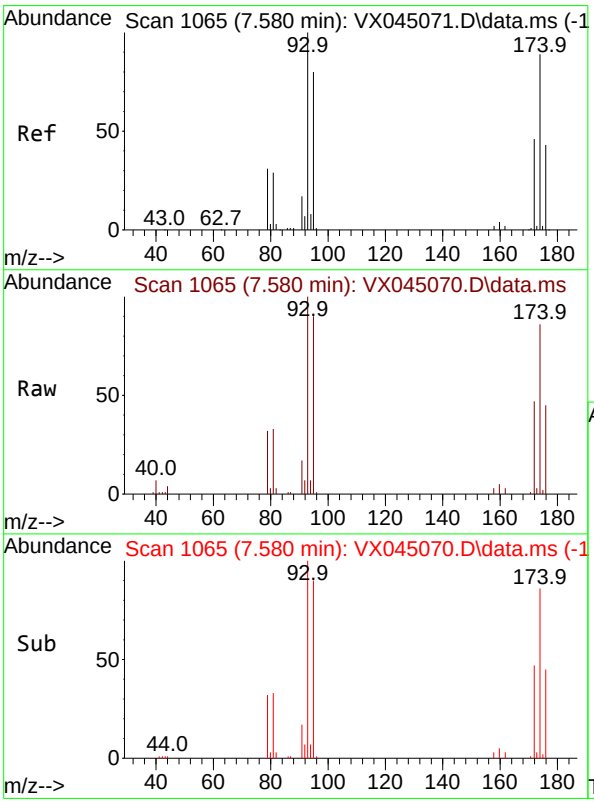
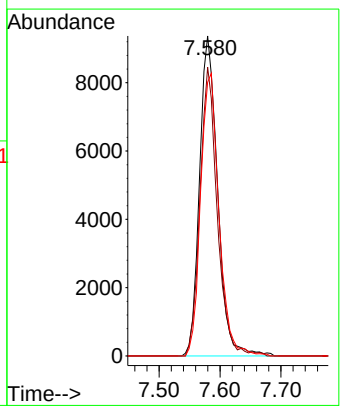
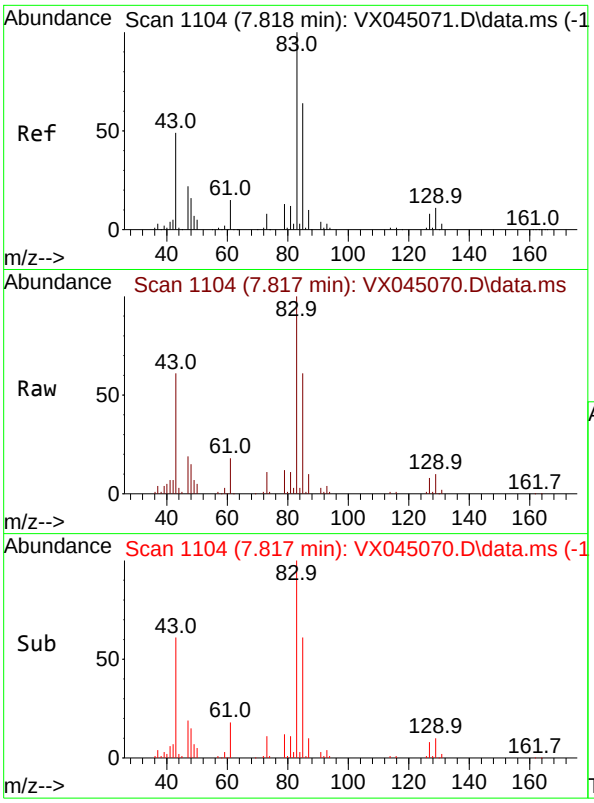


#46
Dibromomethane
Concen: 21.357 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 93 Resp: 19323

Ion	Ratio	Lower	Upper
93	100		
95	86.4	65.8	98.8
174	89.6	72.2	108.2

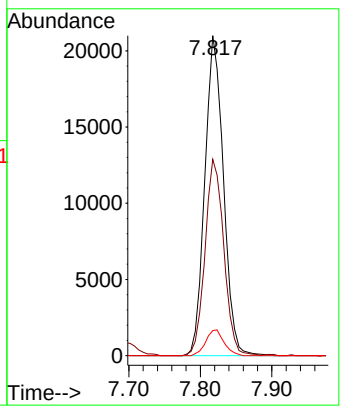




#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3803

Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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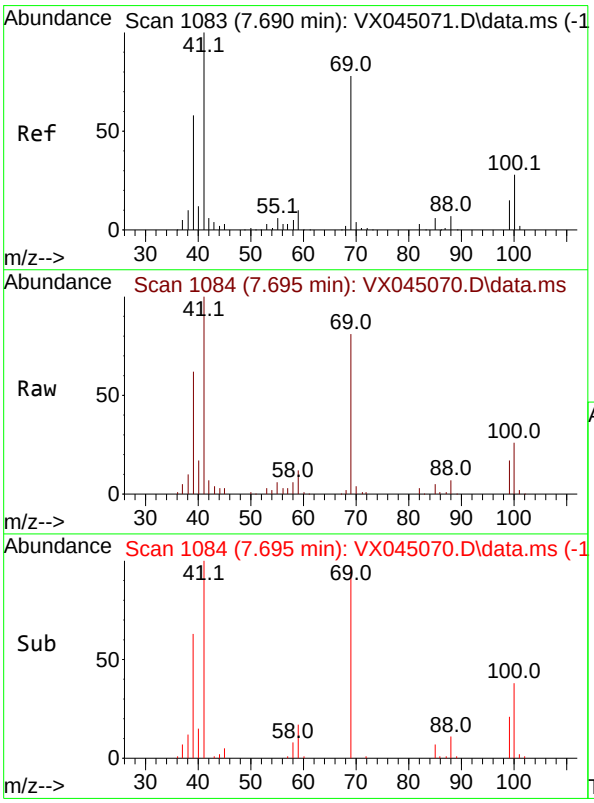
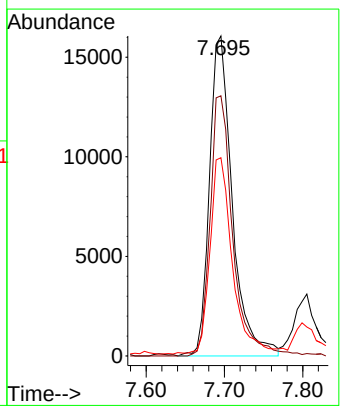
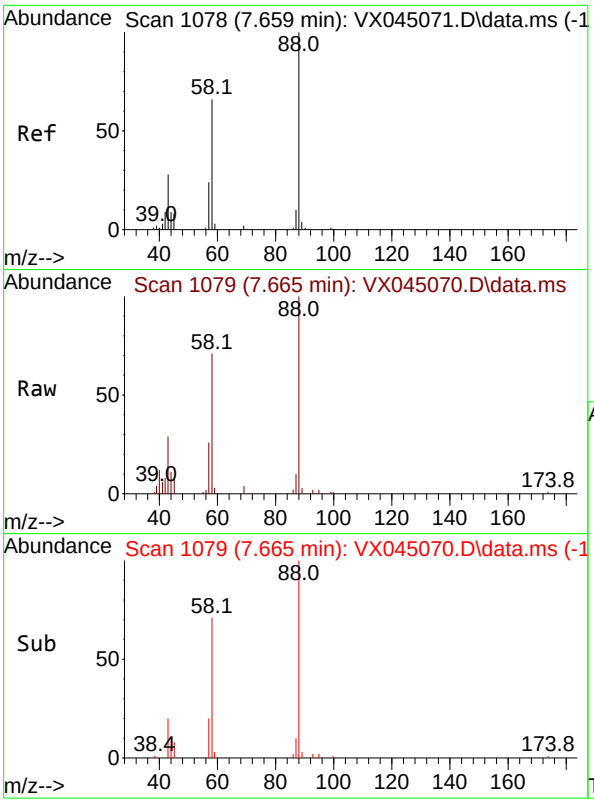


#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 32627

Ion	Ratio	Lower	Upper
41	100		
69	81.2	63.0	94.6
39	59.8	47.5	71.3

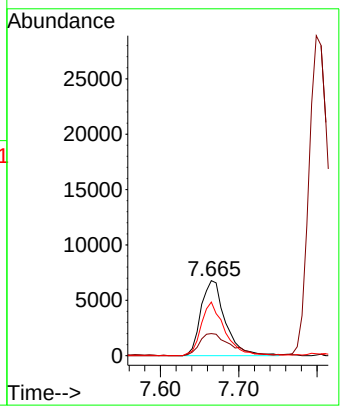




#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 88 Resp: 1460

Ion	Ratio	Lower	Upper
88	100		
43	38.7	28.7	43.1
58	68.3	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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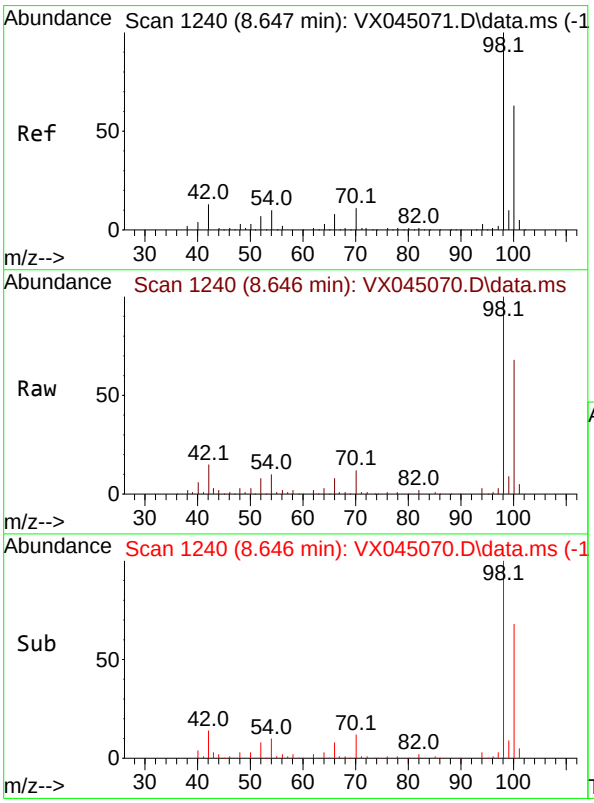
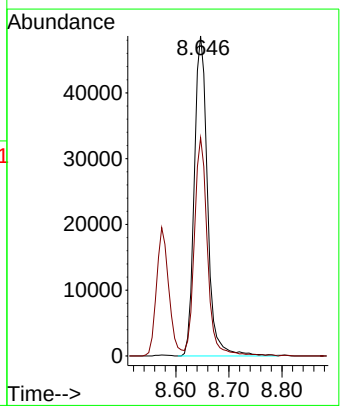
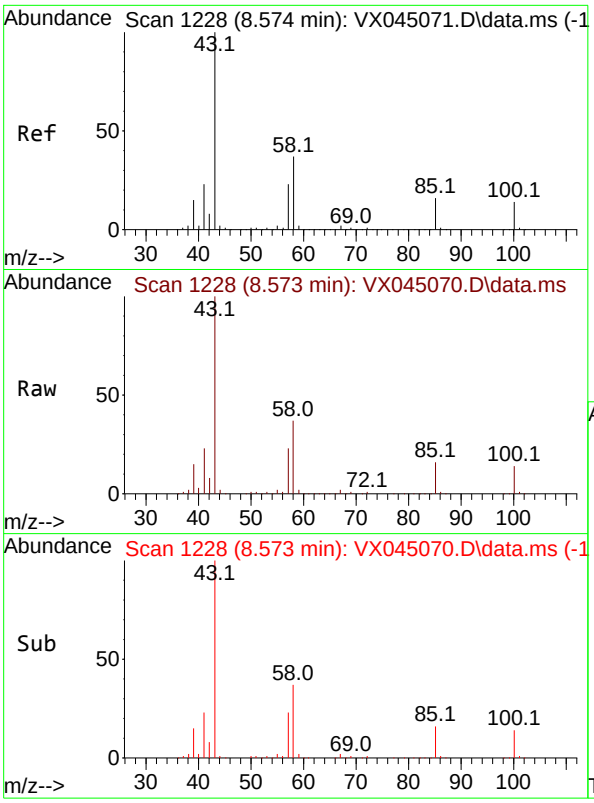


#50
Toluene-d8
Concen: 19.469 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 98 Resp: 84516

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 22961

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 02/28/2025
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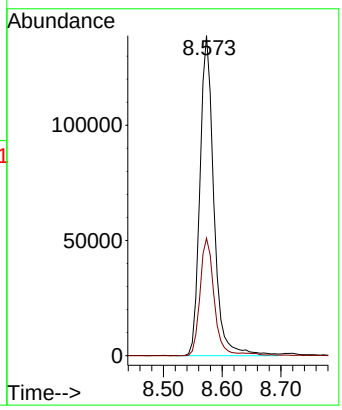
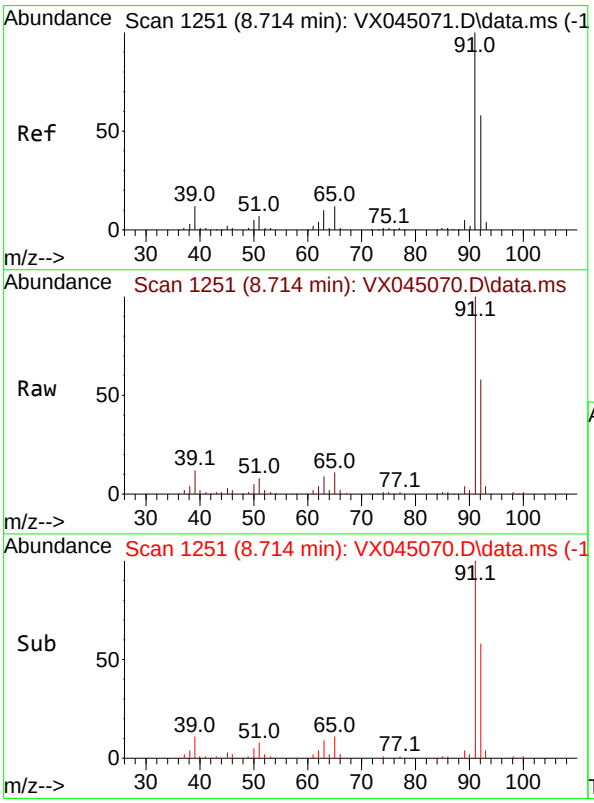
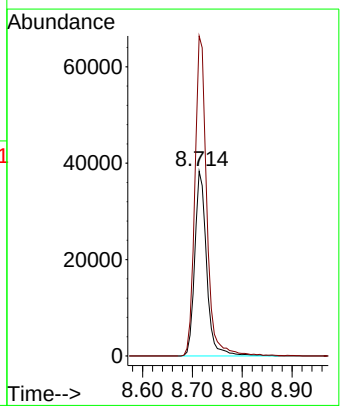


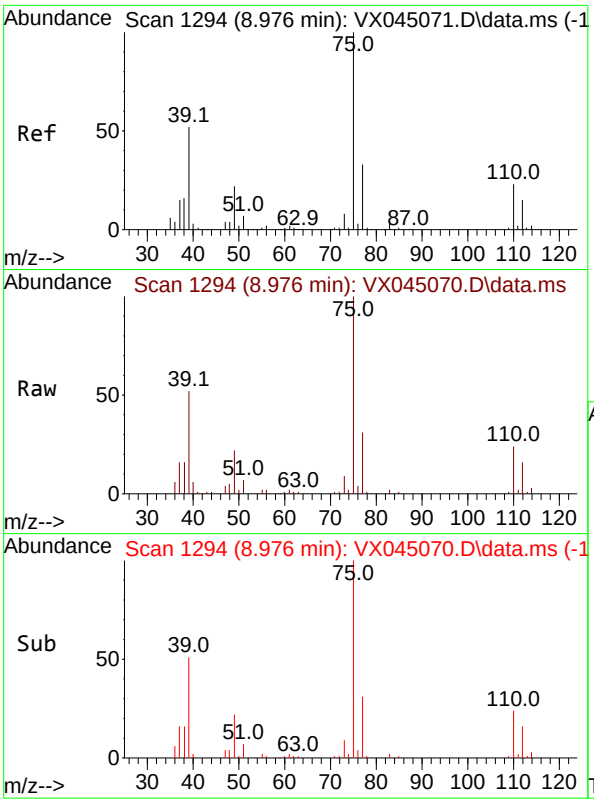


#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3

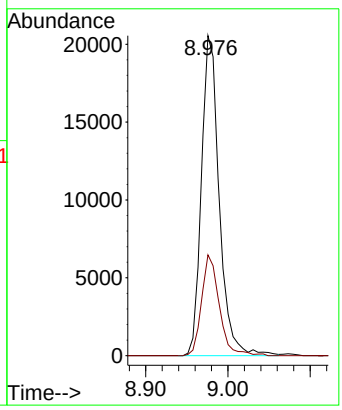




#53
t-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 3091

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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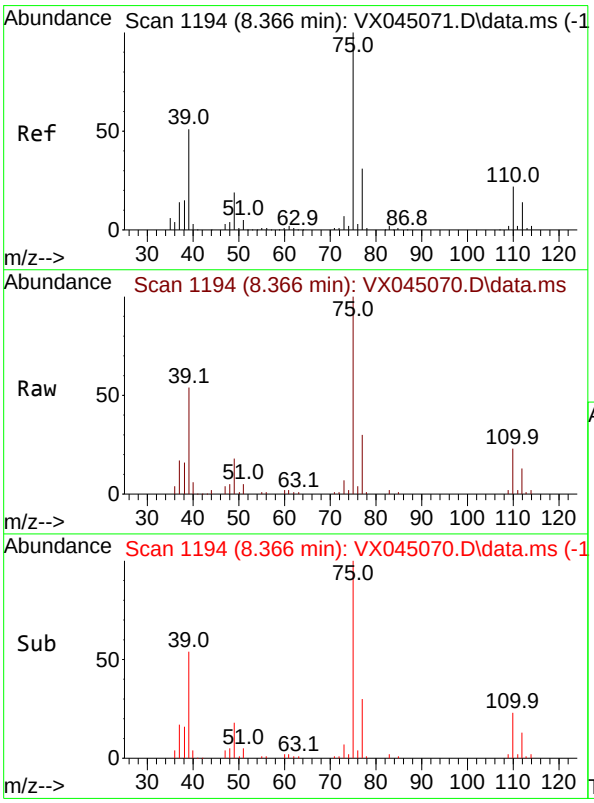
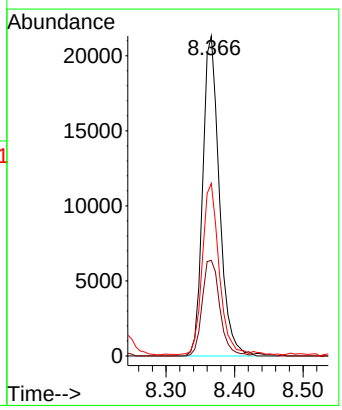
Supervised By :Mahesh Dadoda 02/28/2025

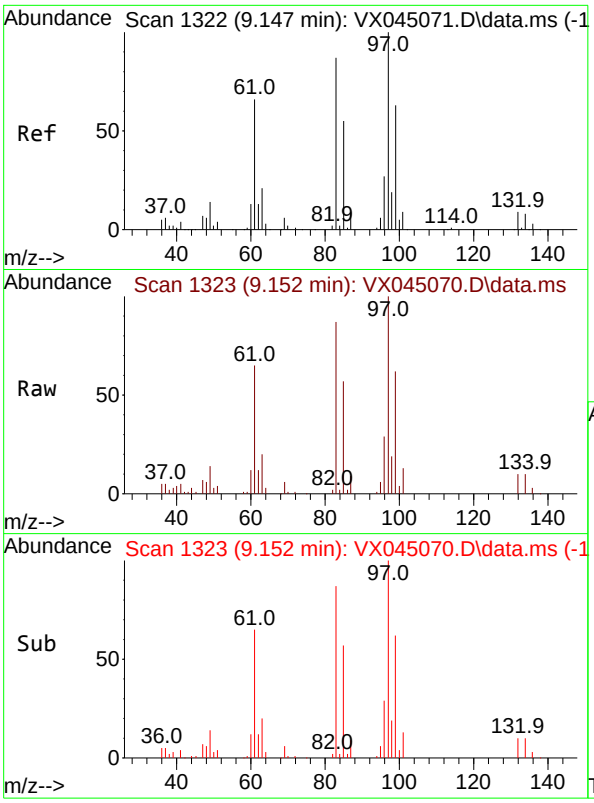


#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 36118

Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.7	37.1
39	53.5	40.7	61.1

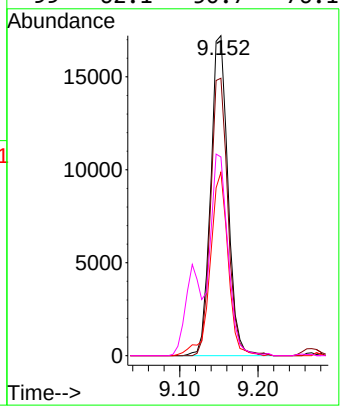




#55
1,1,2-Trichloroethane
Concen: 21.992 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 2635

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.2
85	57.3	44.1	66.1
99	62.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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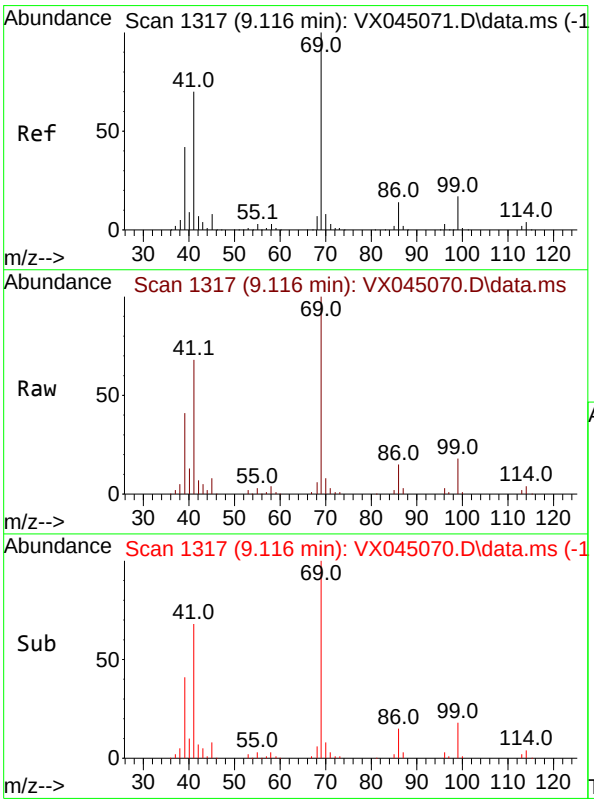
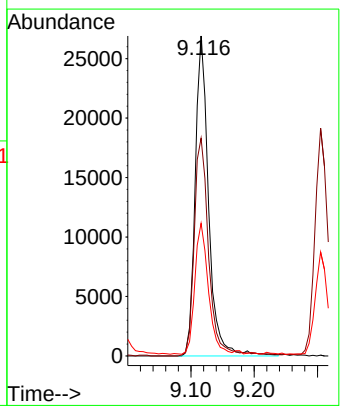
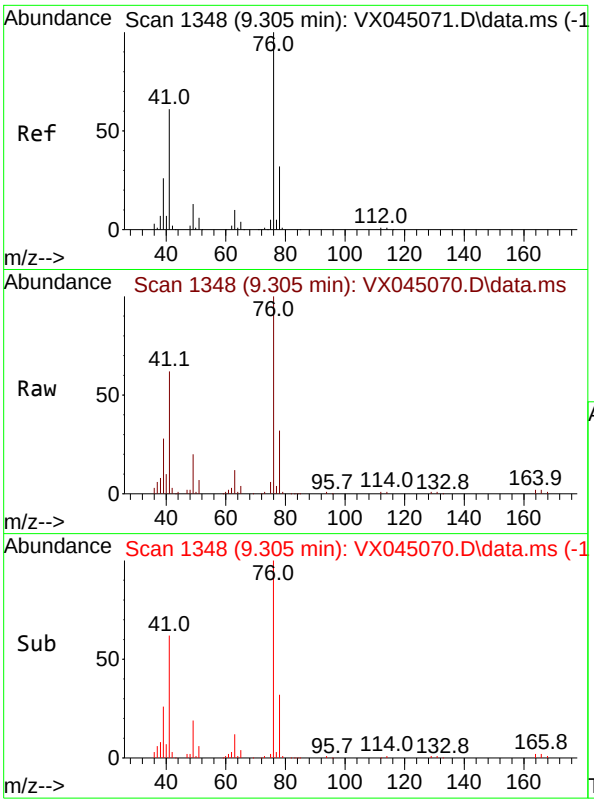


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 69 Resp: 39850

Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.0	85.4
39	40.6	34.2	51.4

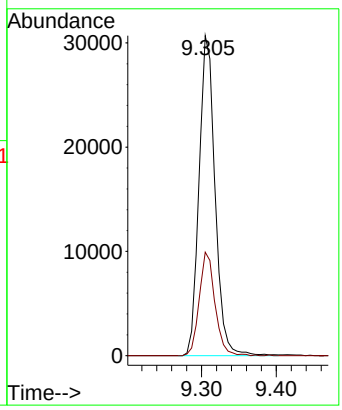




#57
1,3-Dichloropropane
Concen: 21.836 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 76 Resp: 4564

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
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ClientSampleId :
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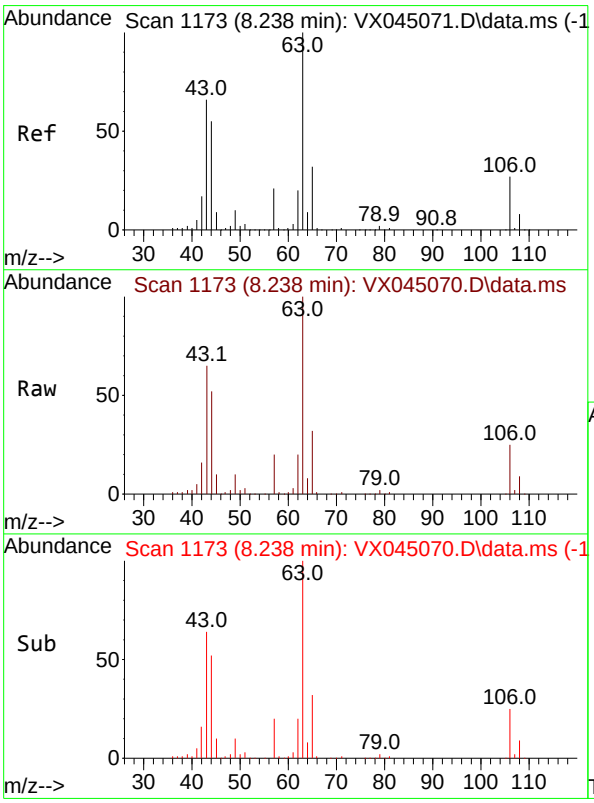
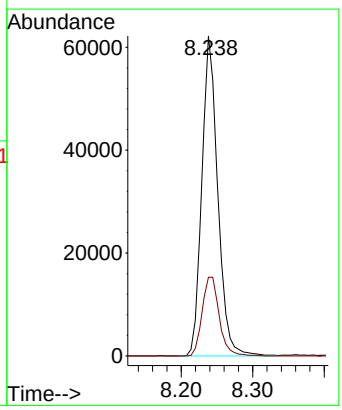
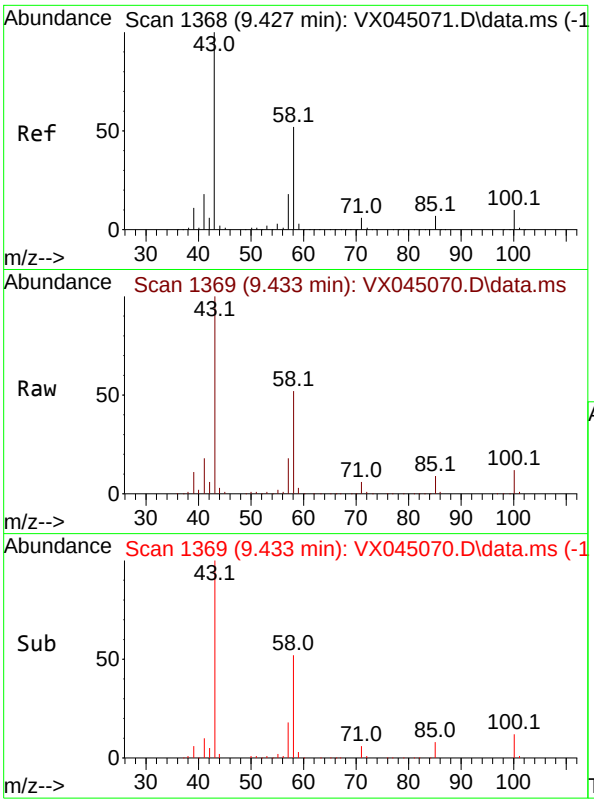


#58
2-Chloroethyl Vinyl ether
Concen: 102.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 96311

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3





#59
2-Hexanone
Concen: 126.428 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 16876

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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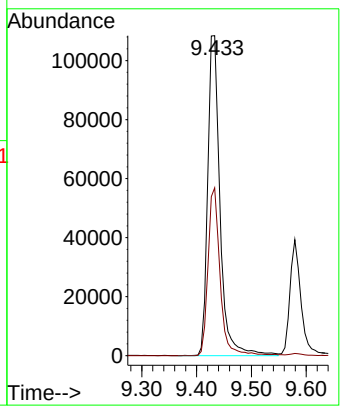
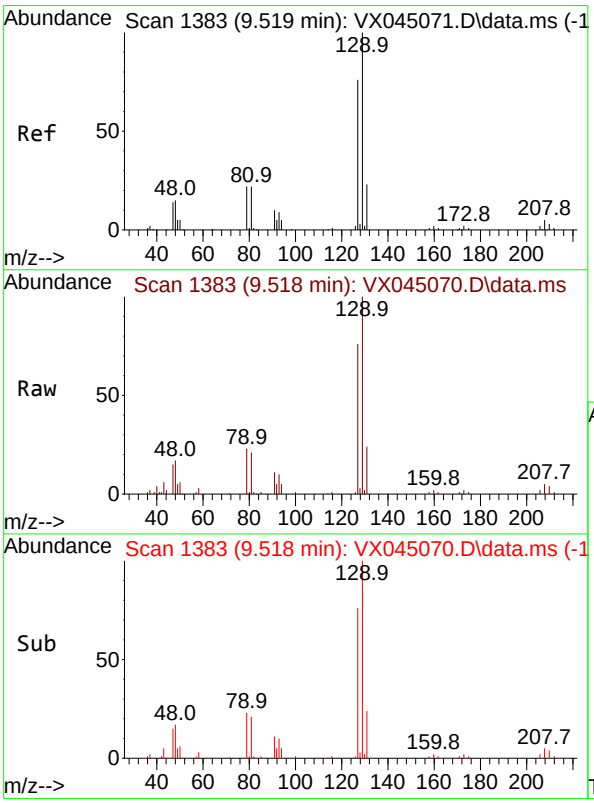
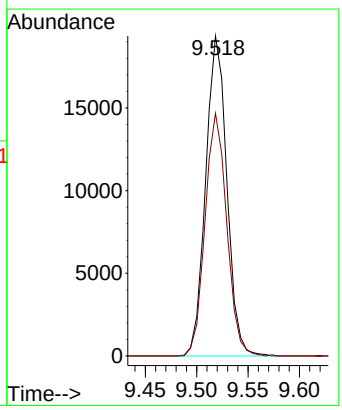


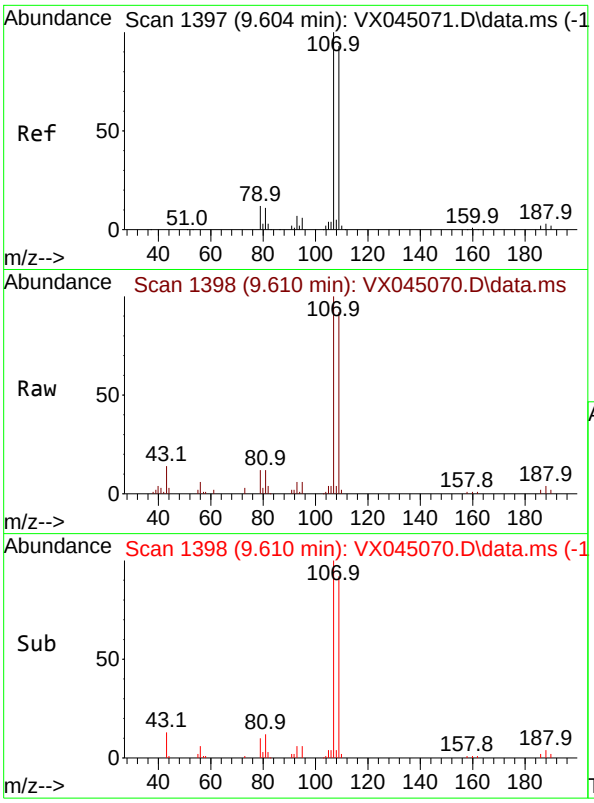


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:129 Resp: 27705

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5

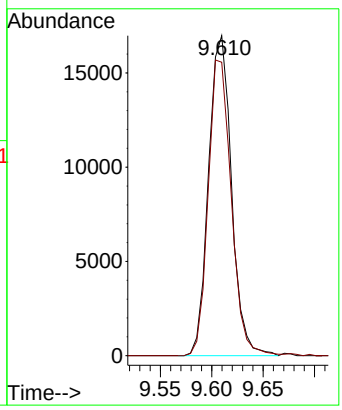




#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:107 Resp: 2631

Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1



Instrument :
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ClientSampleId :
VSTDICC020

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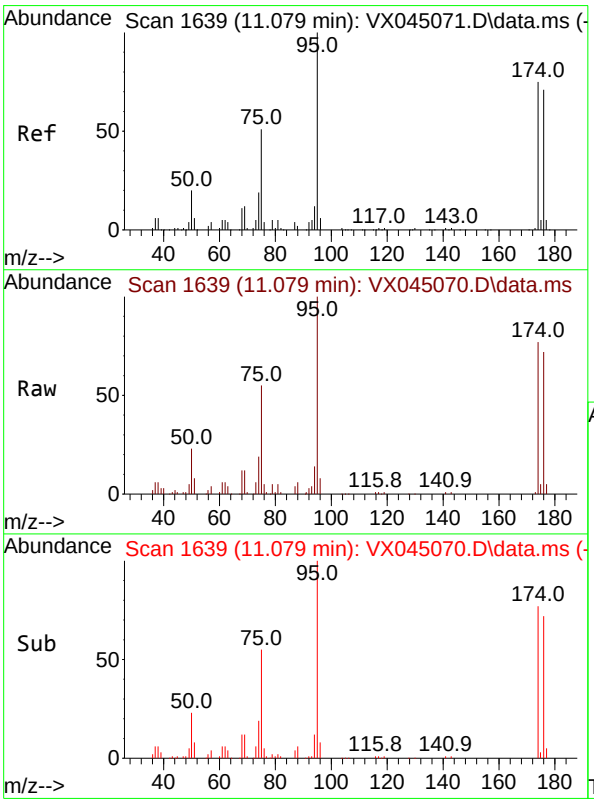
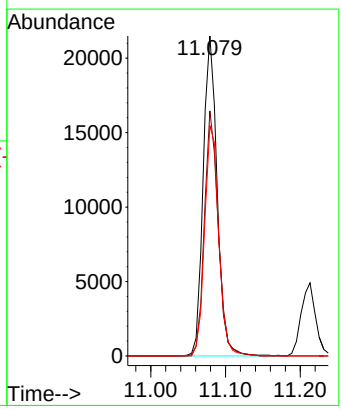
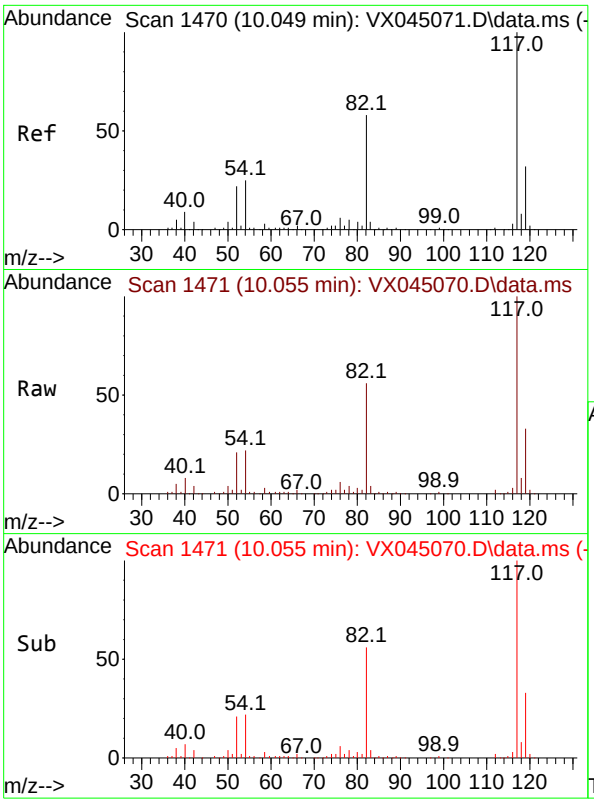


#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 95 Resp: 27856

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	148.2
176	72.8	0.0	141.4

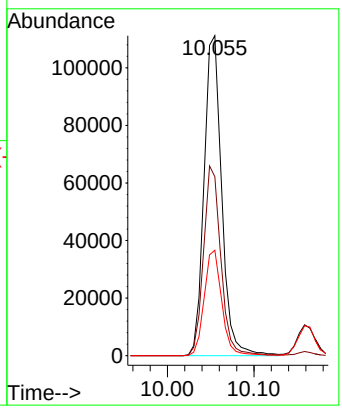




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15771

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.3	69.5
119	33.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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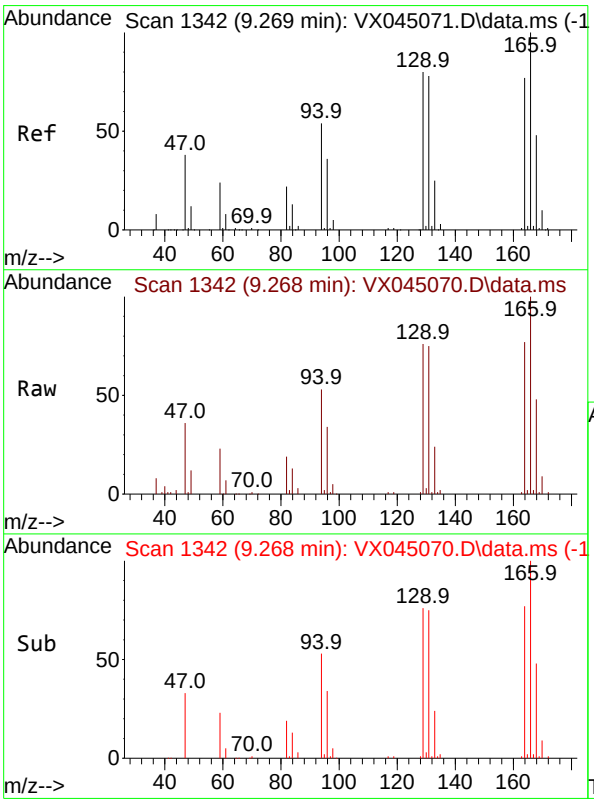
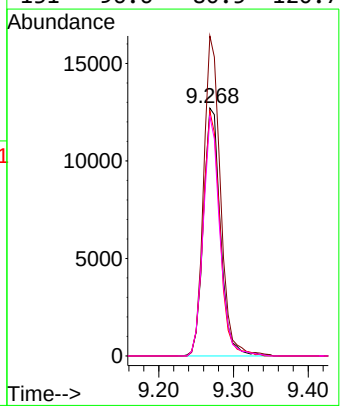
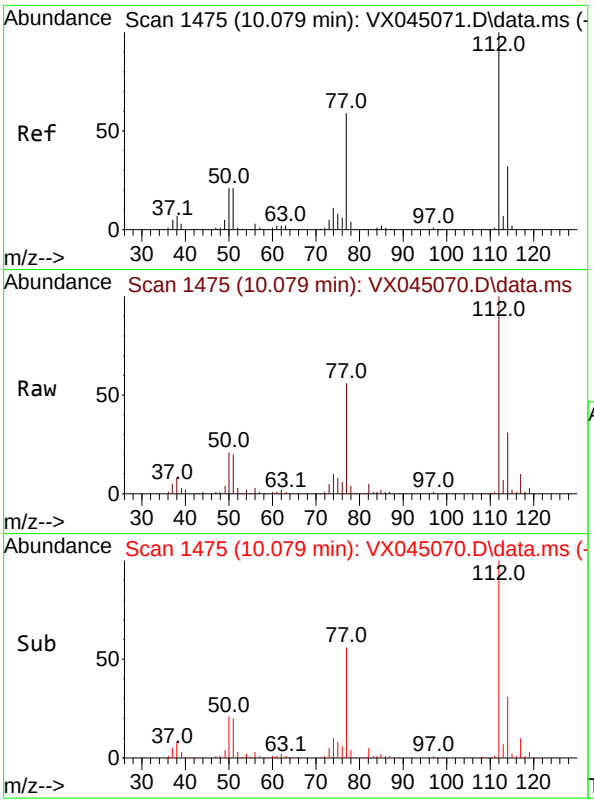


#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:164 Resp: 20140

Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	98.7	82.7	124.1
131	96.6	80.5	120.7

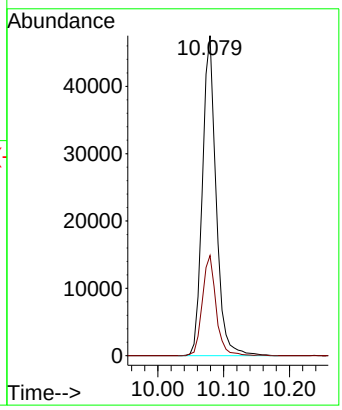




#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:112 Resp: 6877

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0



Instrument :
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ClientSampleId :
VSTDICC020

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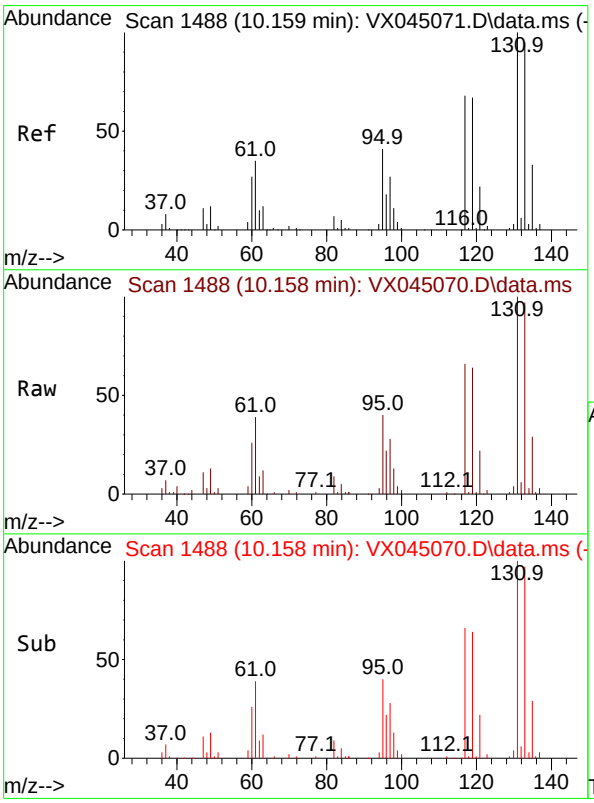
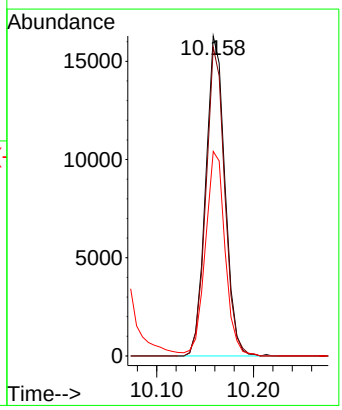
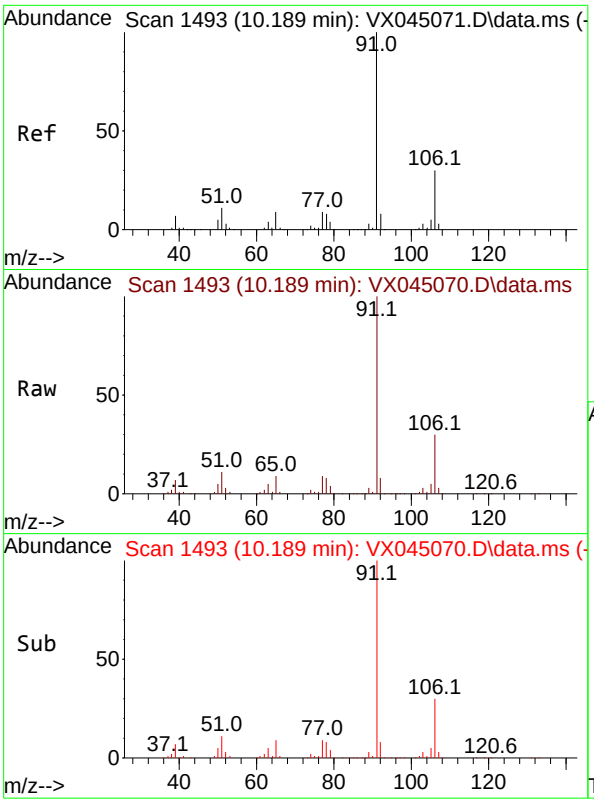


#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:131 Resp: 22508

Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.6	145.9
119	65.4	33.9	101.7





#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 11916

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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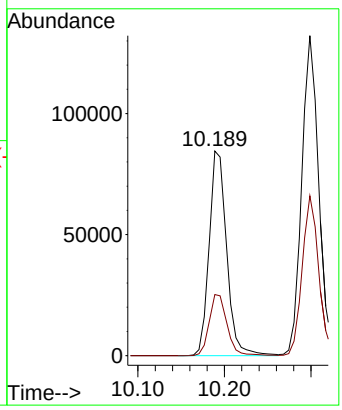
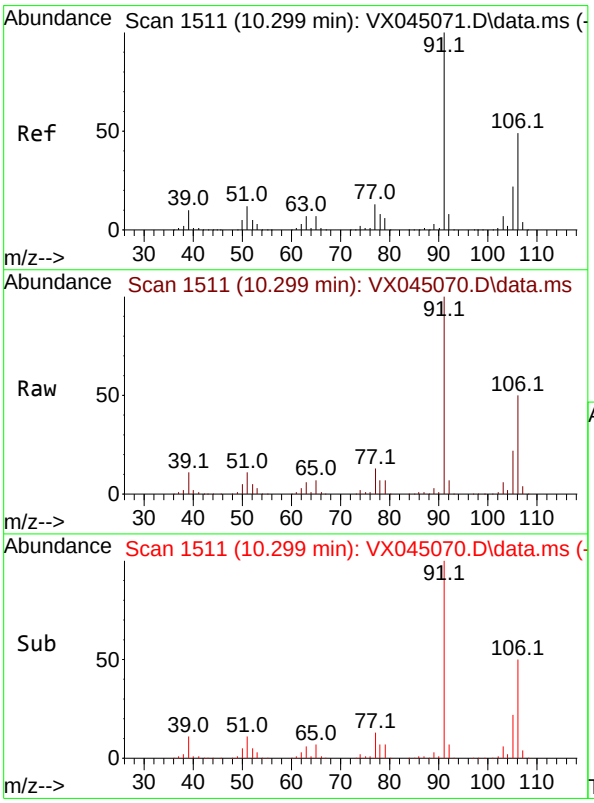
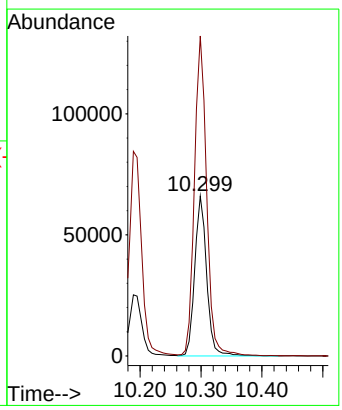


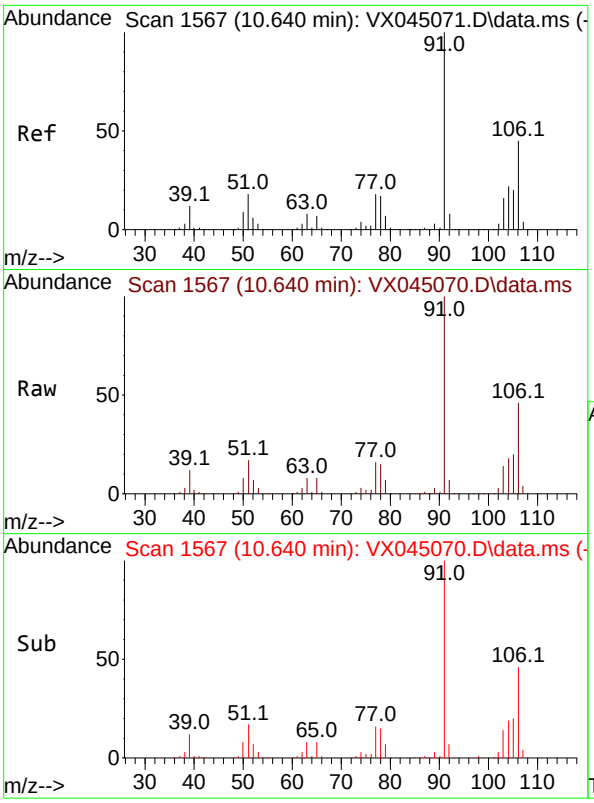


#68
m/p-Xylenes
Concen: 40.699 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 89735

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.4	248.0

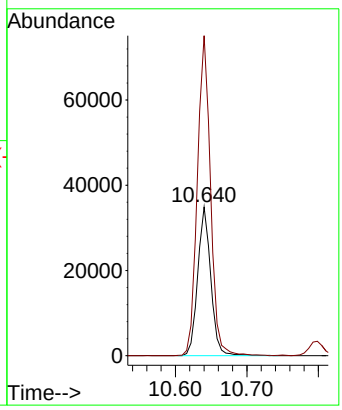




#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 4428

Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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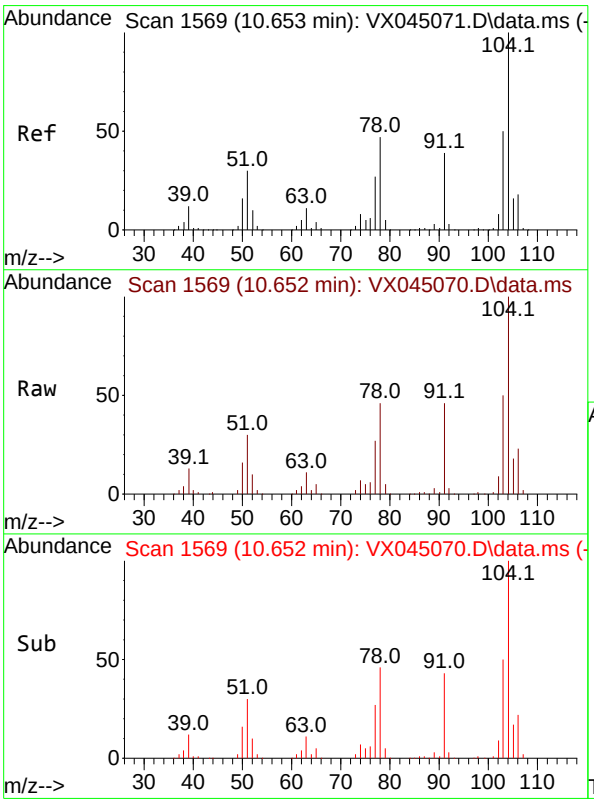
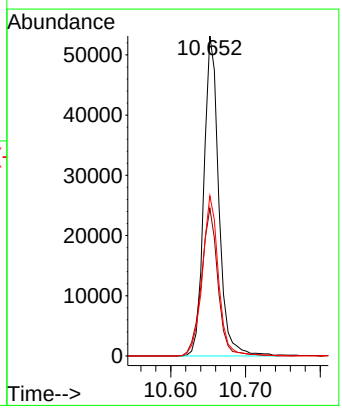
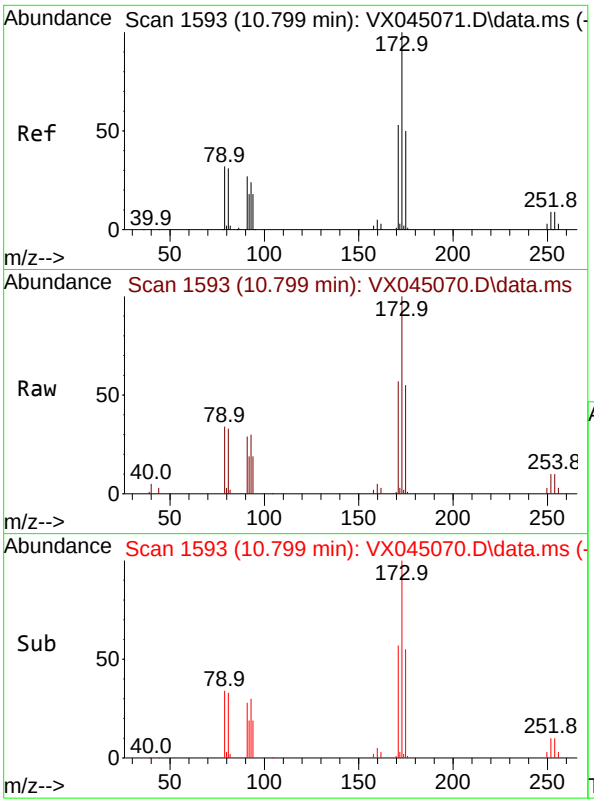


#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:104 Resp: 73832

Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.2	63.4
103	54.1	43.8	65.8

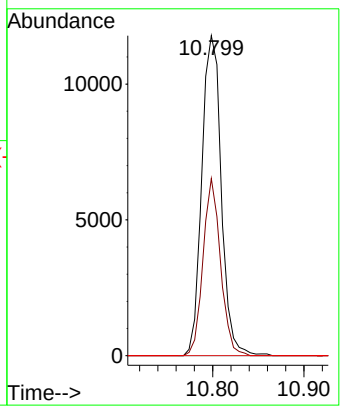




#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:173 Resp: 1740

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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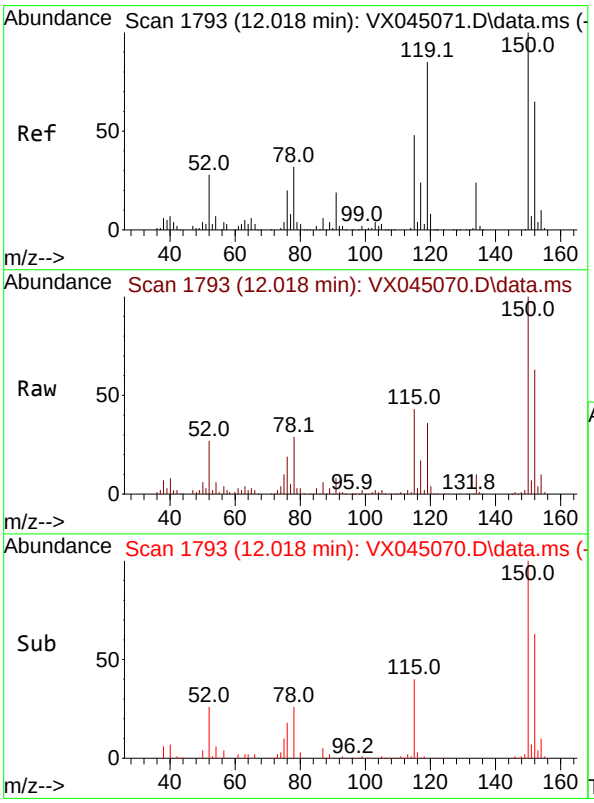
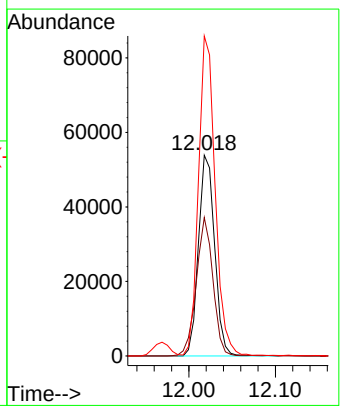
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

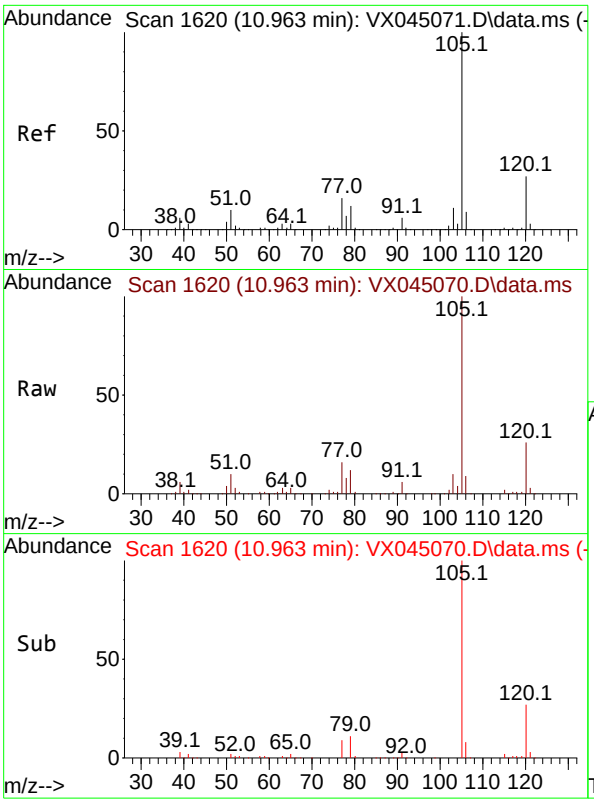


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:152 Resp: 70072

Ion	Ratio	Lower	Upper
152	100		
115	70.9	44.2	132.6
150	163.4	0.0	349.0

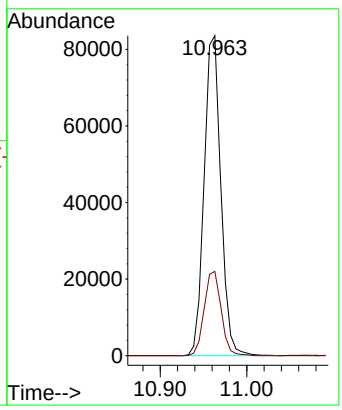




#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 11209

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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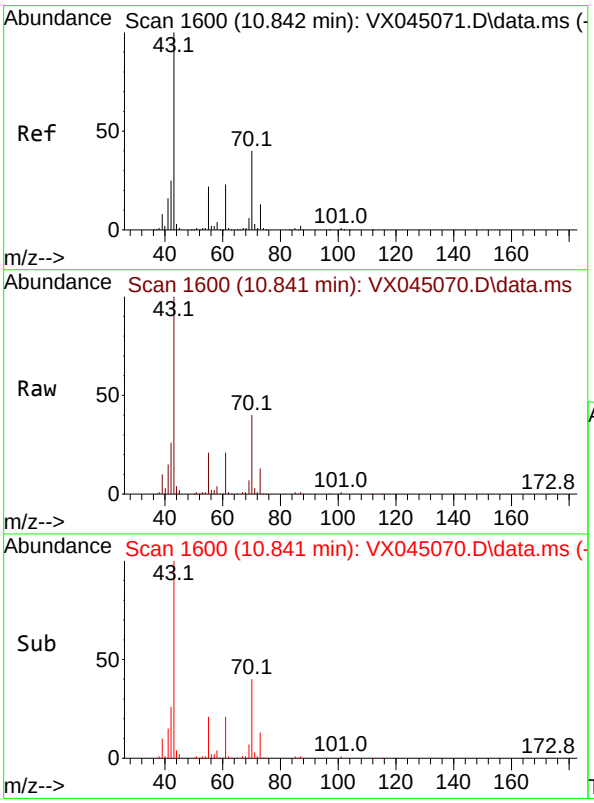
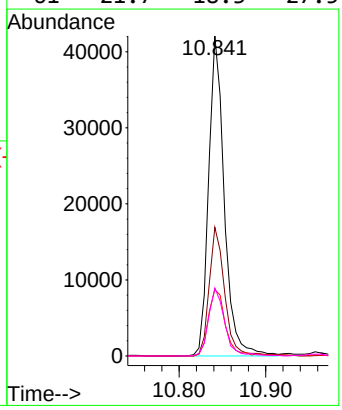
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

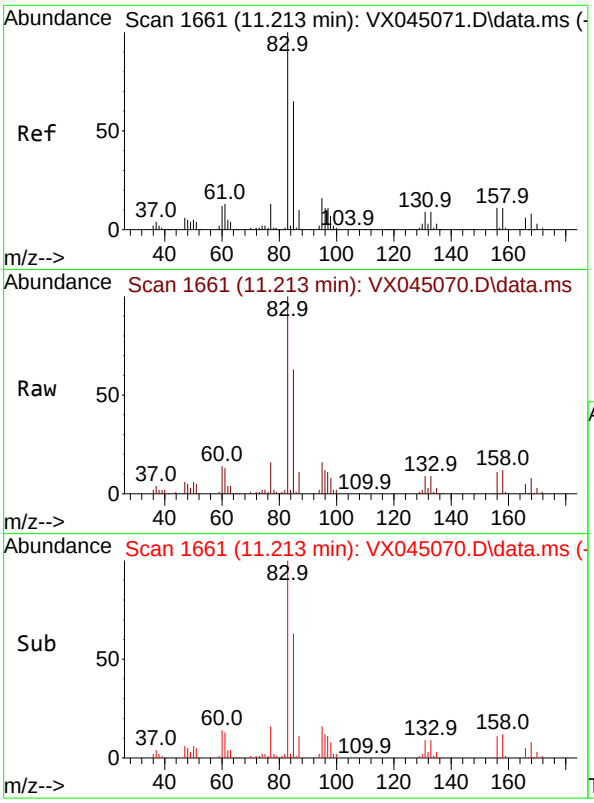


#74
N-amyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 52972

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.0	18.3	27.5
61	21.7	18.3	27.5

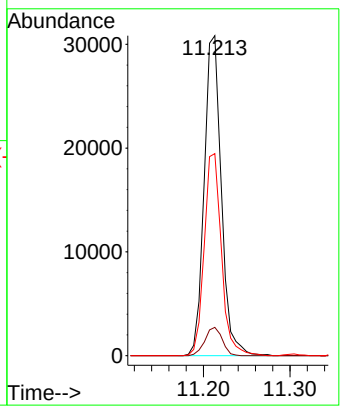




#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 4241

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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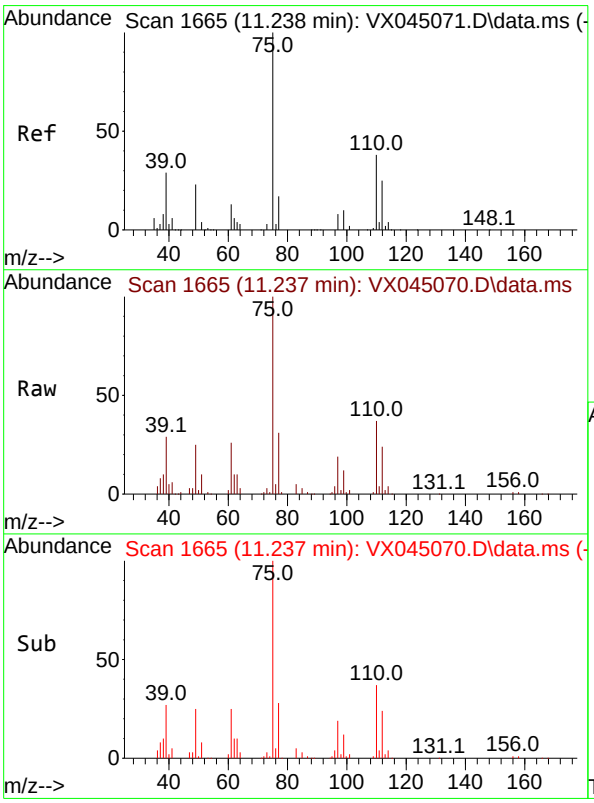
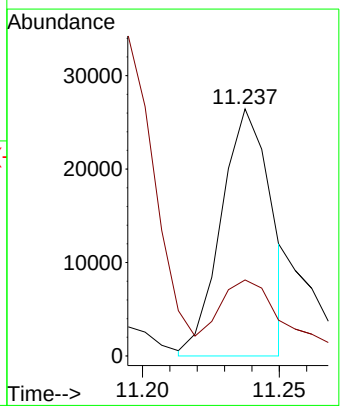
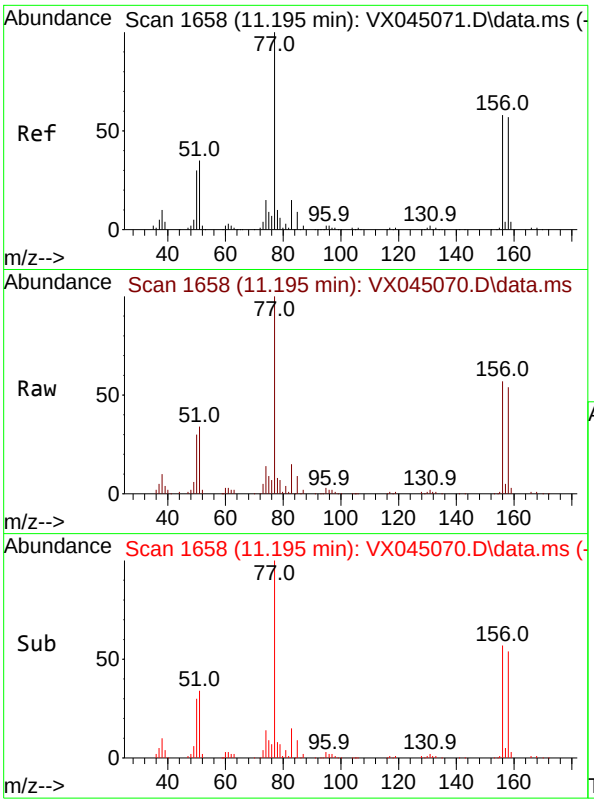


#76
1,2,3-Trichloropropane
Concen: 21.394 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 33440

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1

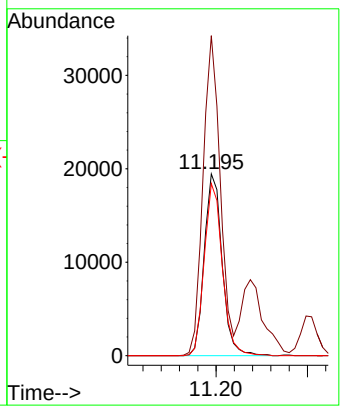




#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:156 Resp: 2631

Ion	Ratio	Lower	Upper
156	100		
77	170.2	85.8	257.4
158	95.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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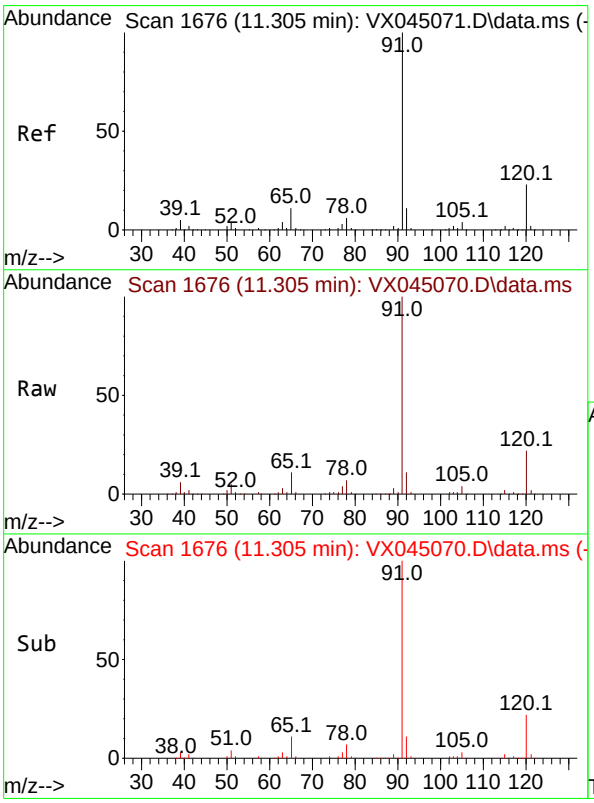
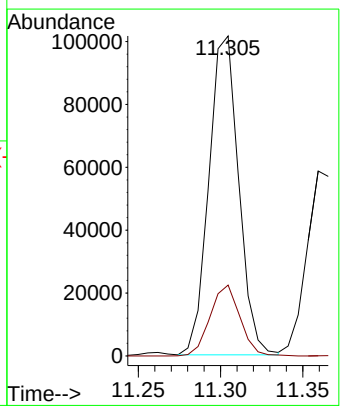
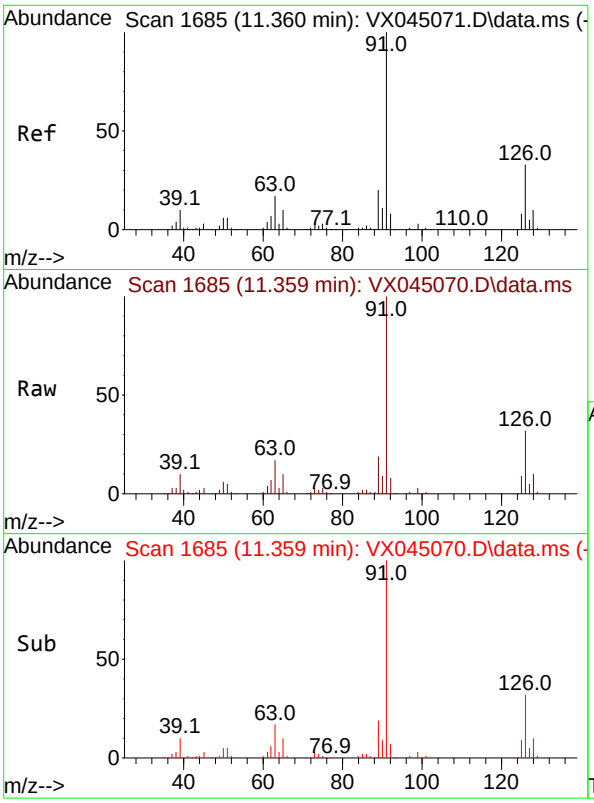


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 128284

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6





#79
2-Chlorotoluene
Concen: 19.775 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 7927

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 02/28/2025
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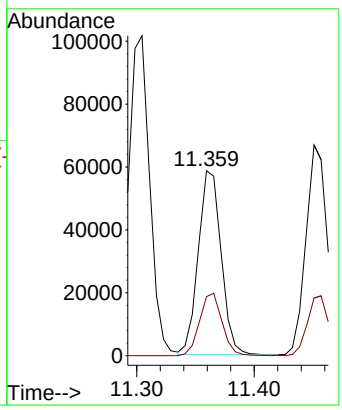
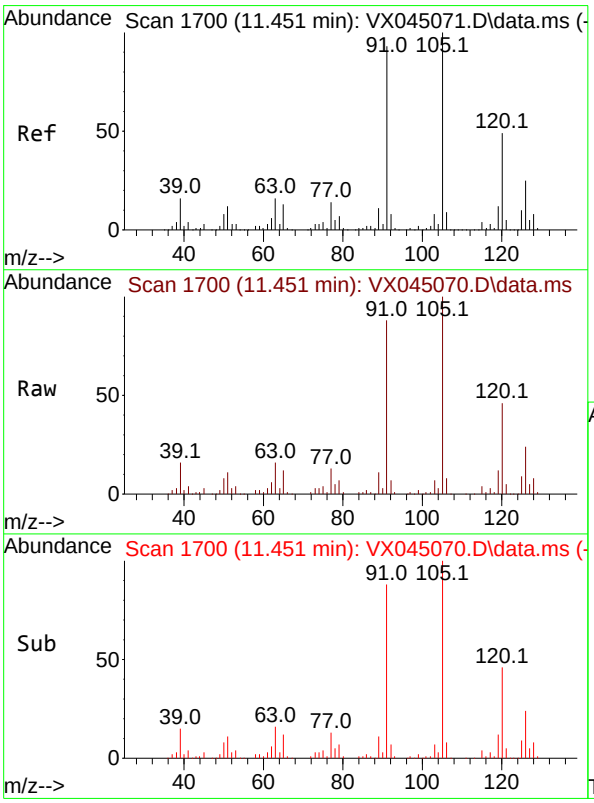
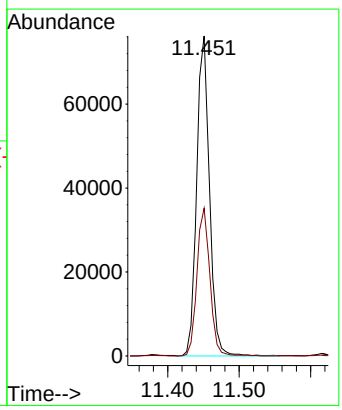


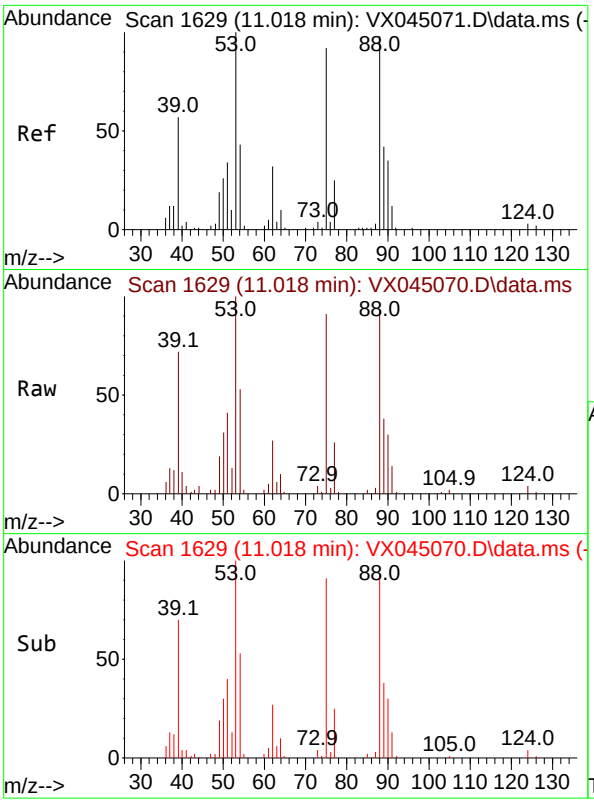


#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94545

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 15.196 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 875

Ion	Ratio	Lower	Upper
75	100		
53	115.4	88.5	132.7
89	44.3	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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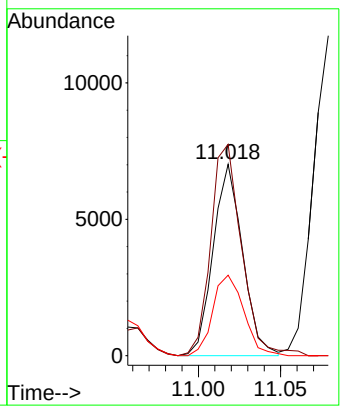
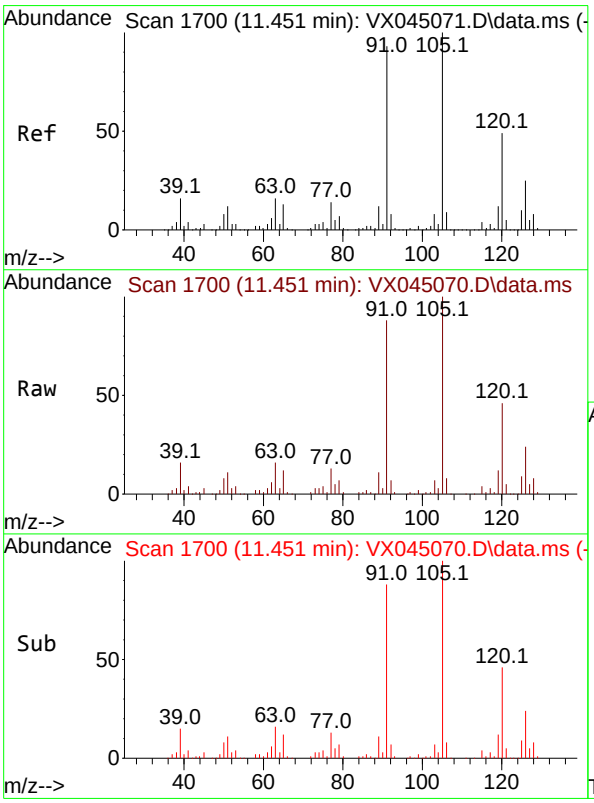
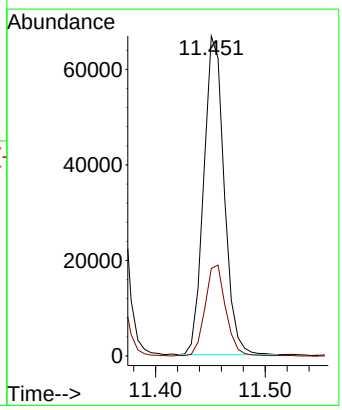


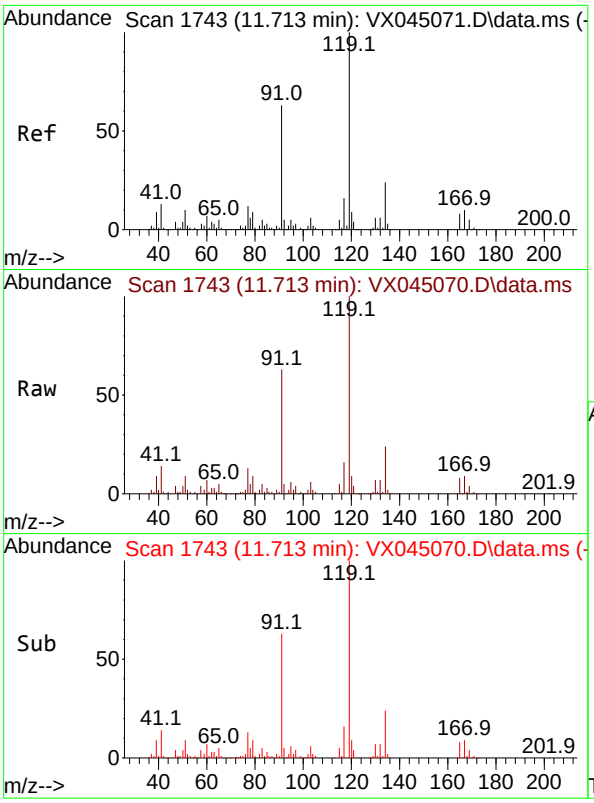


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 86281

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4

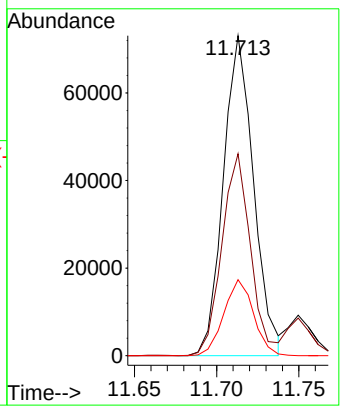




#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 9367

Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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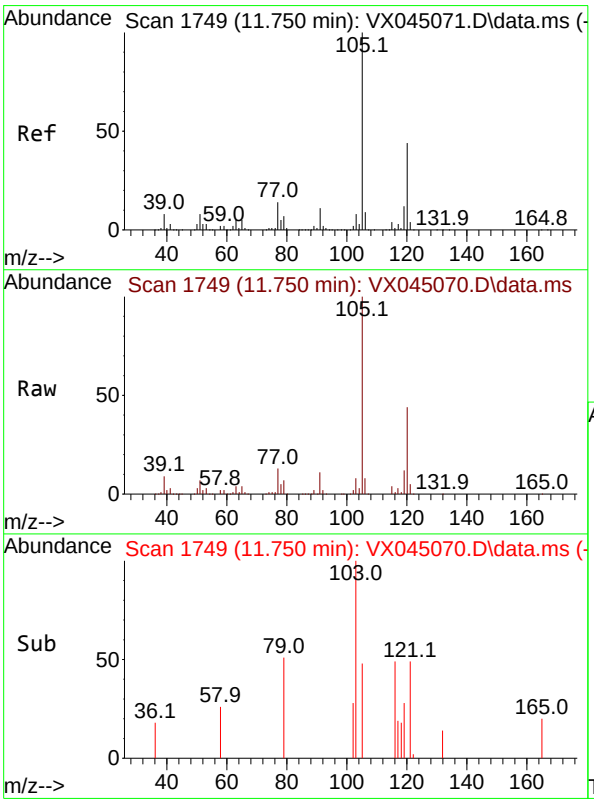
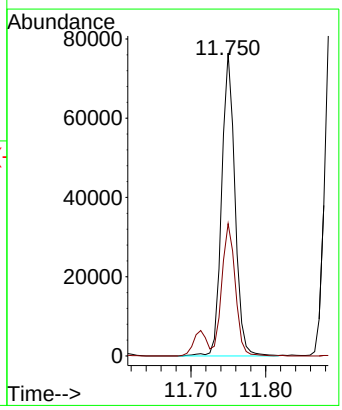
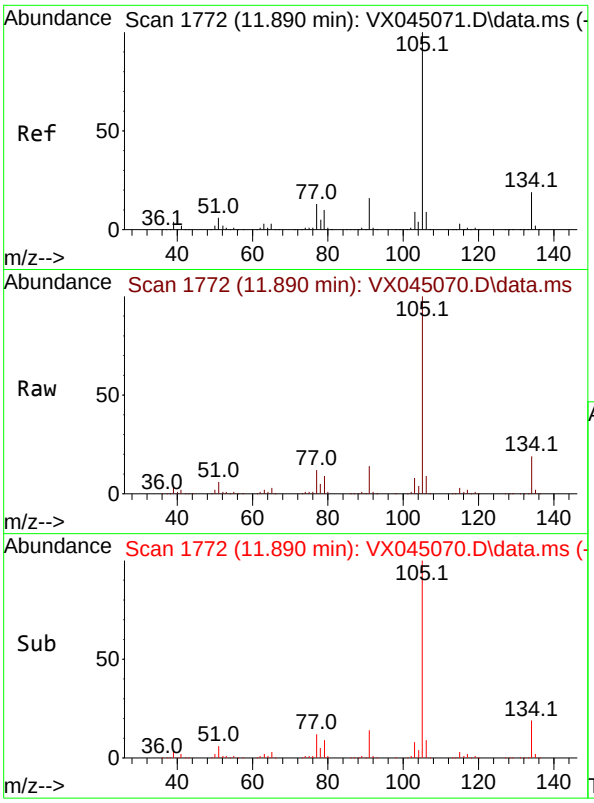


#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94734

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1





#85
sec-Butylbenzene
Concen: 20.160 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 11595

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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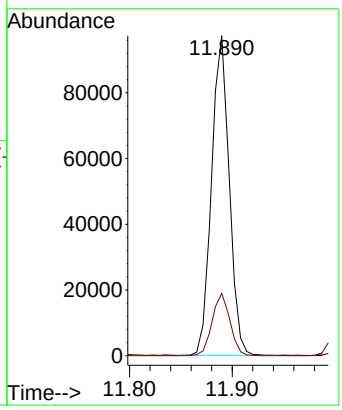
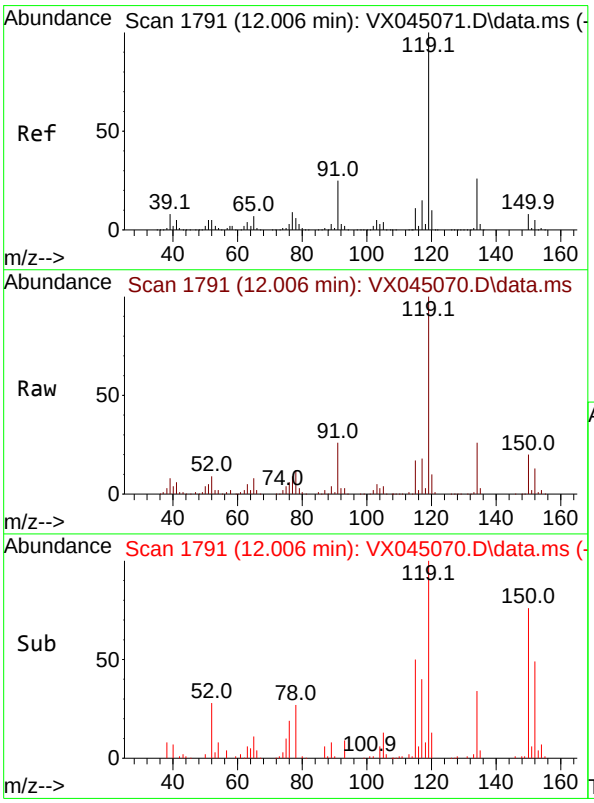
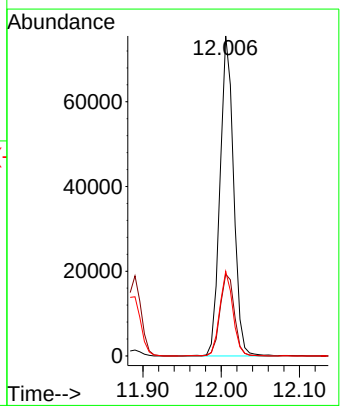


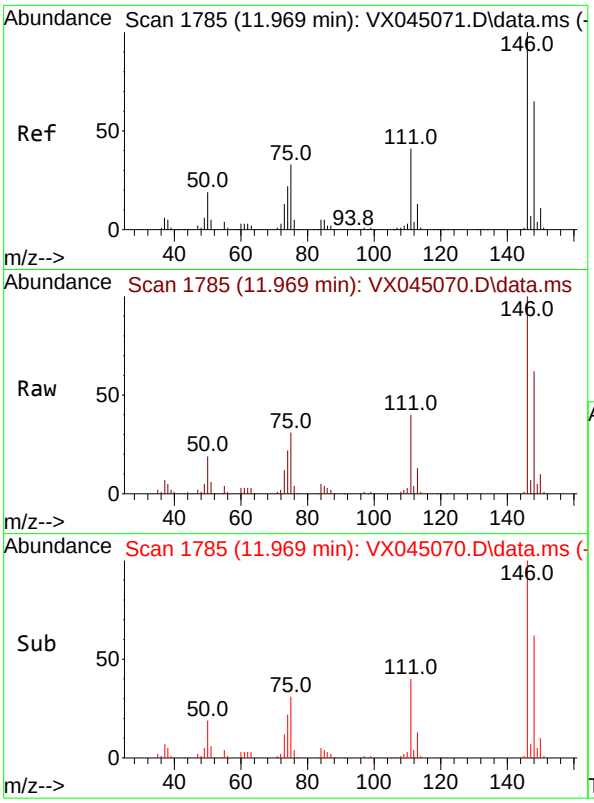


#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 91554

Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	25.6	12.7	38.0

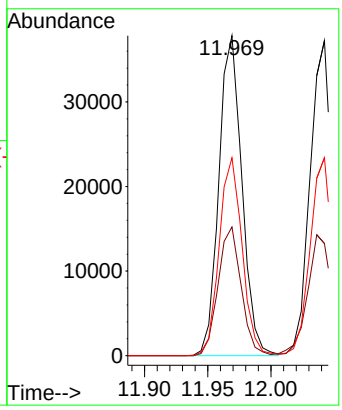




#87
1,3-Dichlorobenzene
Concen: 20.400 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4793

Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.4
148	61.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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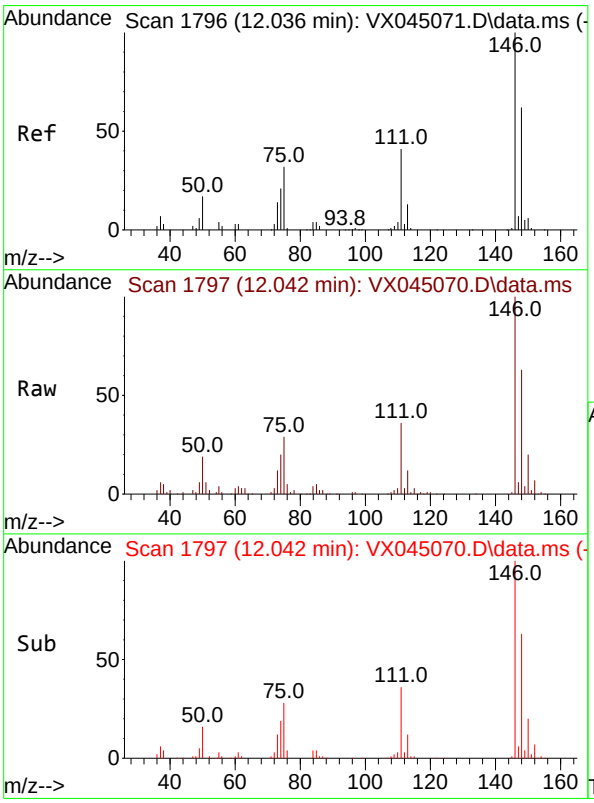
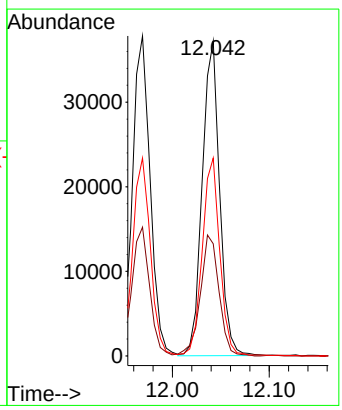
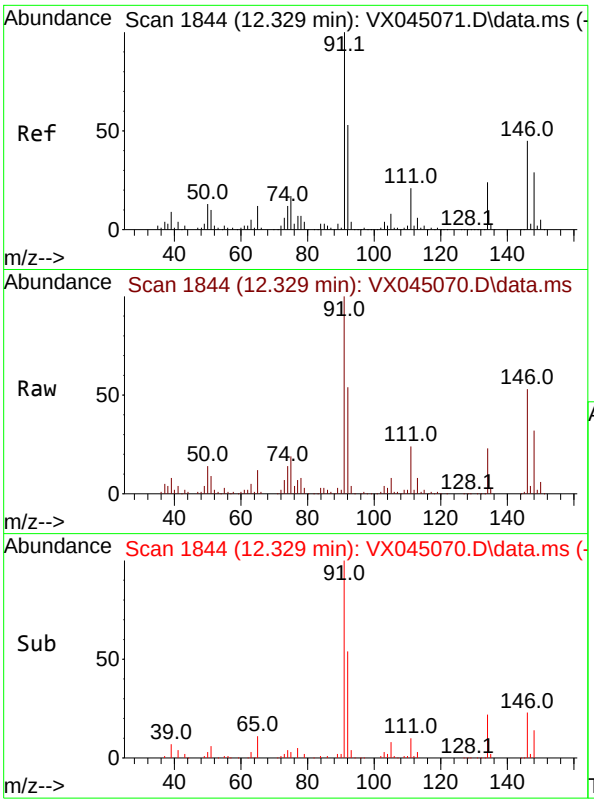


#88
1,4-Dichlorobenzene
Concen: 19.615 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 46657

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.5
148	63.8	31.9	95.9





#89
n-Butylbenzene
Concen: 19.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 7813

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	24.3	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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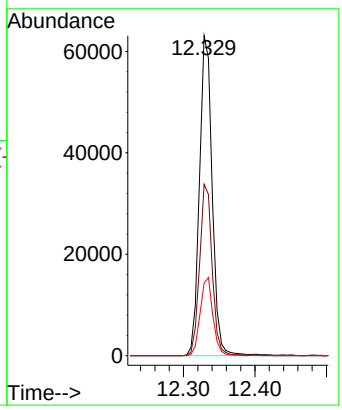
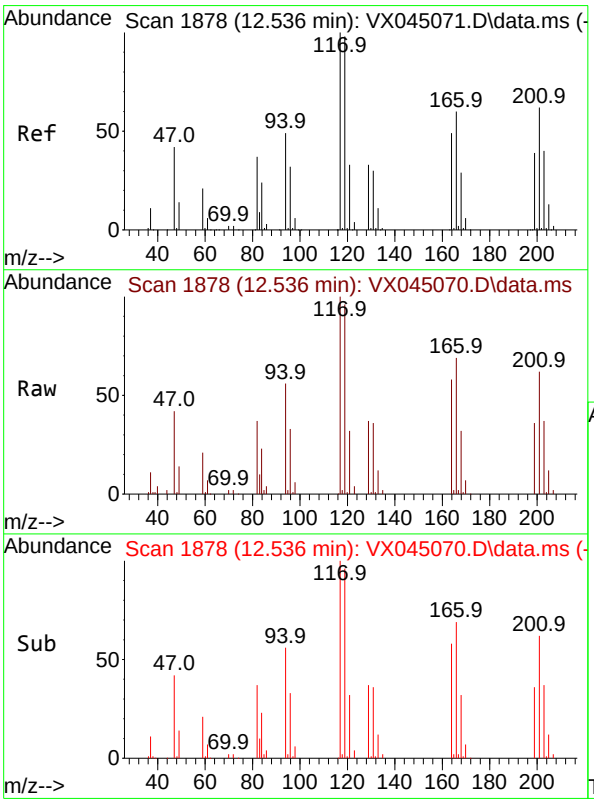
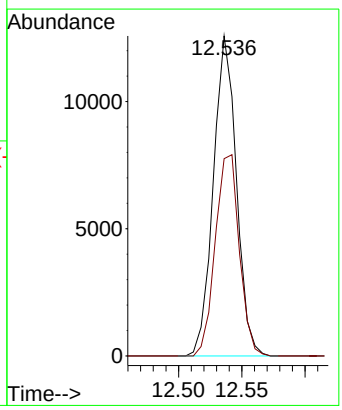


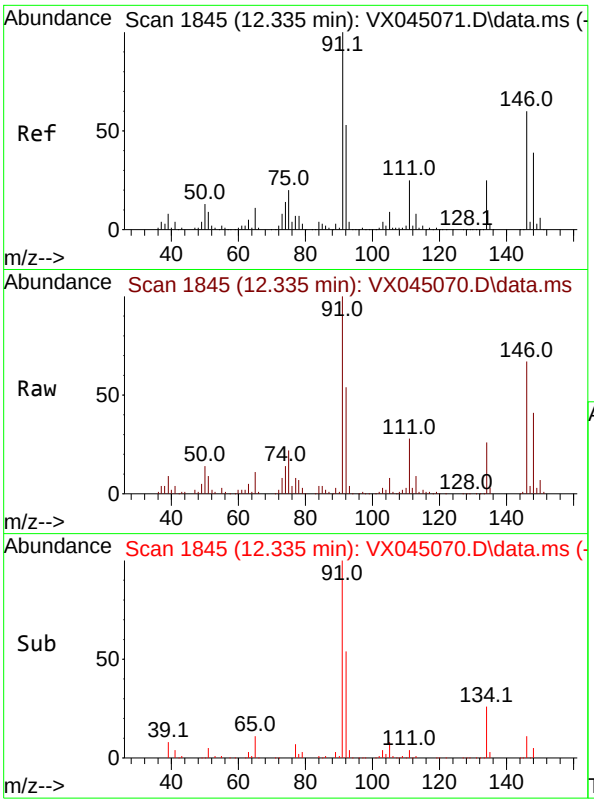


#90
Hexachloroethane
Concen: 18.483 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15919

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9

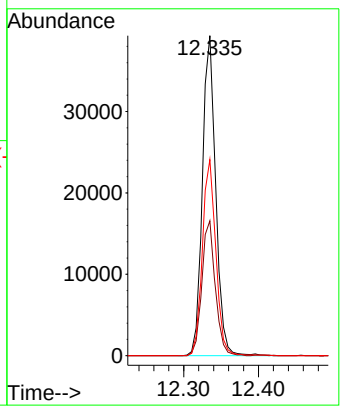




#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4863

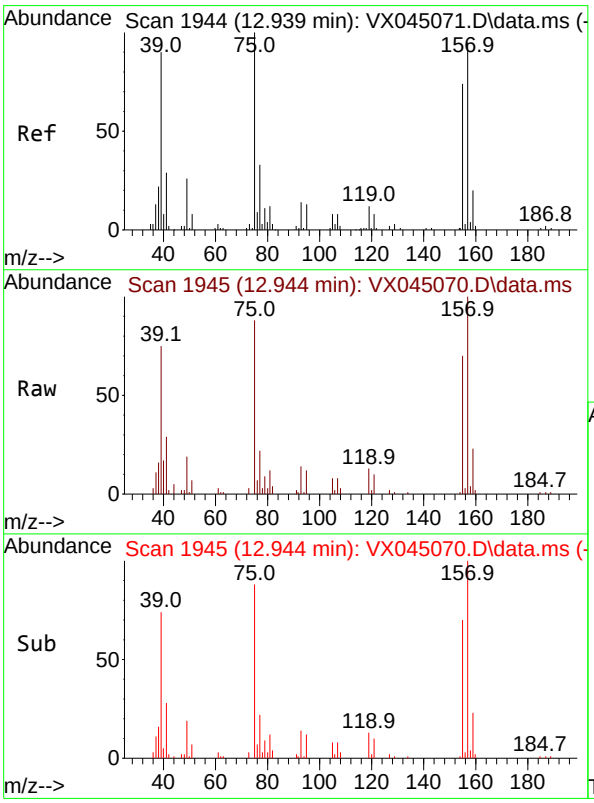
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	62.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

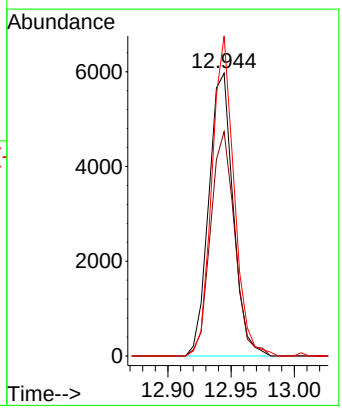
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

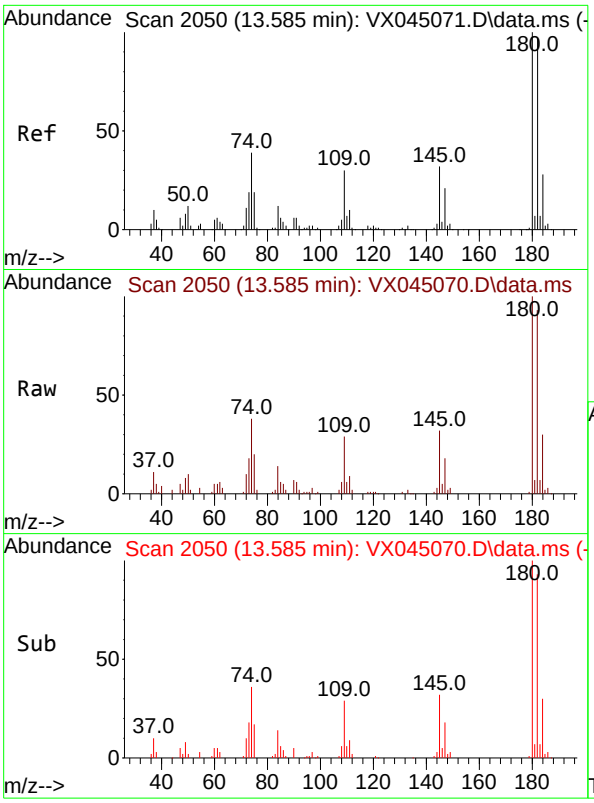


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 7987

Ion	Ratio	Lower	Upper
75	100		
155	78.7	39.6	118.7
157	103.3	51.1	153.4

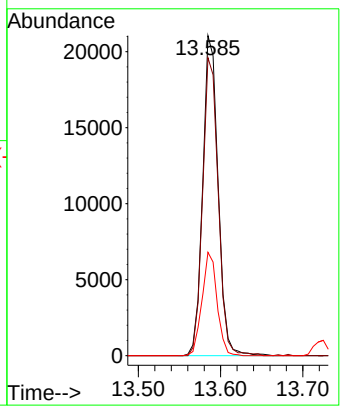




#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 2742

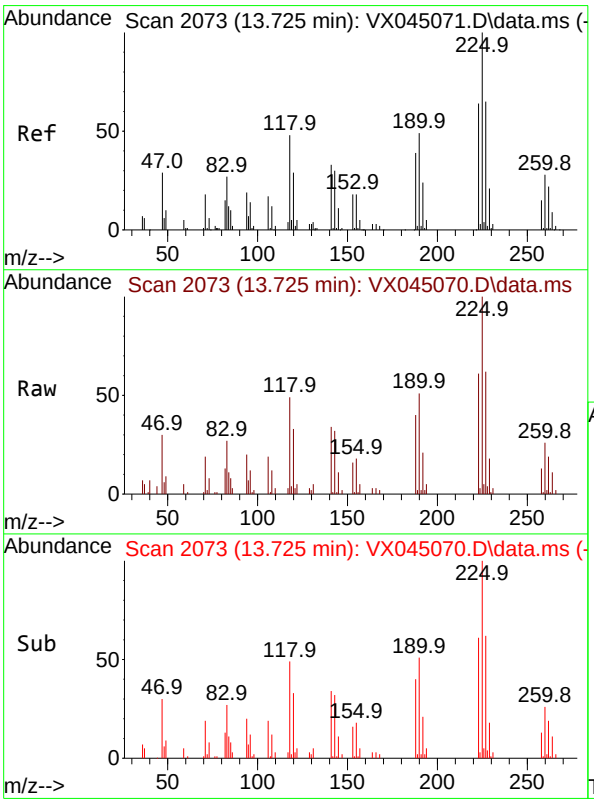
Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	31.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

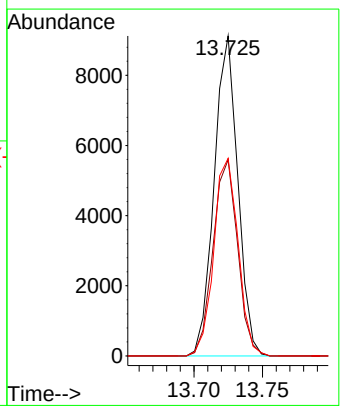
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

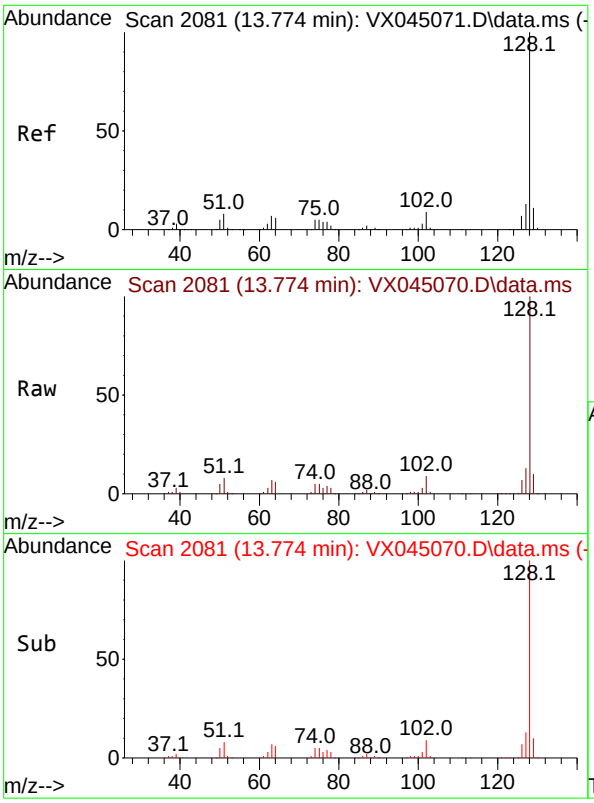


#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:225 Resp: 10934

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.7	31.4	94.0

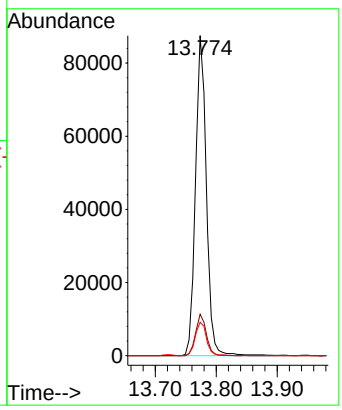




#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:128 Resp: 10835

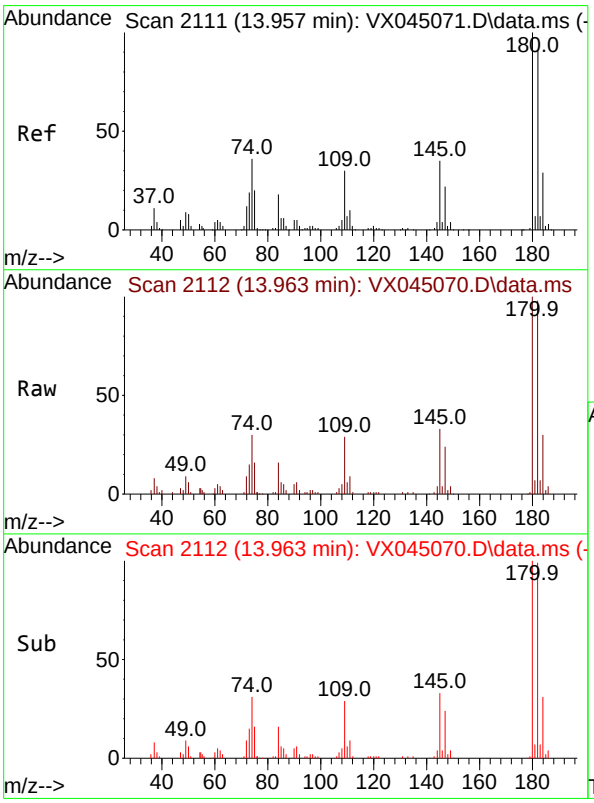
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

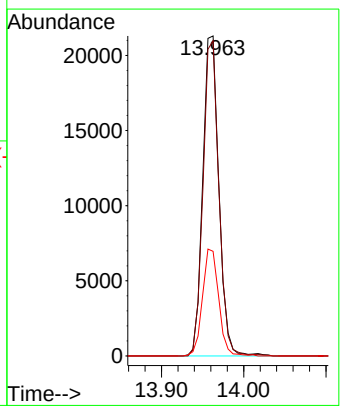
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 28937

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	33.7	17.0	50.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	103235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78159	51.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.385	113	61323	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.647	98	225493	49.449	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	74945	49.212	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64743	45.502	ug/l	100
3) Chloromethane	1.307	50	77729	44.894	ug/l	100
4) Vinyl Chloride	1.374	62	78524	46.434	ug/l	100
5) Bromomethane	1.593	94	30169	57.066	ug/l	100
6) Chloroethane	1.660	64	38461	59.750	ug/l	100
7) Trichlorofluoromethane	1.868	101	108411	50.047	ug/l	100
8) Diethyl Ether	2.136	74	40001	50.814	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61312	47.399	ug/l	100
10) Methyl Iodide	2.441	142	79357	47.854	ug/l	100
11) Tert butyl alcohol	2.983	59	69139	247.496	ug/l	100
12) 1,1-Dichloroethene	2.307	96	64327	48.434	ug/l	100
13) Acrolein	2.233	56	89603	296.189	ug/l	100
14) Allyl chloride	2.654	41	114313	47.875	ug/l	100
15) Acrylonitrile	3.062	53	211455	278.519	ug/l	100
16) Acetone	2.386	43	181429	289.130	ug/l	100
17) Carbon Disulfide	2.502	76	171353	47.419	ug/l	100
18) Methyl Acetate	2.703	43	89508	47.359	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	215043	50.642	ug/l	100
20) Methylene Chloride	2.782	84	72081	48.500	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	65093	49.832	ug/l	100
22) Diisopropyl ether	3.764	45	236563	51.816	ug/l	100
23) Vinyl Acetate	3.721	43	1018631	271.773	ug/l	100
24) 1,1-Dichloroethane	3.605	63	128235	50.270	ug/l	100
25) 2-Butanone	4.562	43	298785	295.330	ug/l	100
26) 2,2-Dichloropropane	4.471	77	61631	32.498	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	78657	49.955	ug/l	100
28) Bromochloromethane	4.898	49	62299	50.643	ug/l	100
29) Tetrahydrofuran	5.007	42	192607	287.345	ug/l	100
30) Chloroform	5.087	83	128581	51.532	ug/l	100
31) Cyclohexane	5.464	56	114333	48.836	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	105671	50.306	ug/l	100
36) 1,1-Dichloropropene	5.690	75	87338	49.861	ug/l	100
37) Ethyl Acetate	4.715	43	112892	56.641	ug/l	100
38) Carbon Tetrachloride	5.672	117	87123	50.593	ug/l	100
39) Methylcyclohexane	7.373	83	108974	48.715	ug/l	100
40) Benzene	6.031	78	278802	50.925	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63454	59.598	ug/l		100
42) 1,2-Dichloroethane	6.080	62	98340	55.428	ug/l		100
43) Isopropyl Acetate	6.342	43	173045	54.544	ug/l		100
44) Trichloroethene	7.123	130	63513	50.756	ug/l		100
45) 1,2-Dichloropropane	7.428	63	69128	50.808	ug/l		100
46) Dibromomethane	7.580	93	50143	52.757	ug/l		100
47) Bromodichloromethane	7.818	83	97729	53.153	ug/l		100
48) Methyl methacrylate	7.690	41	86231	57.256	ug/l		100
49) 1,4-Dioxane	7.659	88	35053	1095.003	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	568737	292.570	ug/l		100
52) Toluene	8.714	92	167431	51.505	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87373	48.078	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	99713	49.079	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	66379	52.724	ug/l		100
56) Ethyl methacrylate	9.116	69	106157	52.724	ug/l		100
57) 1,3-Dichloropropane	9.305	76	115488	52.594	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	264555	267.612	ug/l		100
59) 2-Hexanone	9.427	43	416984	297.362	ug/l		100
60) Dibromochloromethane	9.519	129	71569	53.284	ug/l		100
61) 1,2-Dibromoethane	9.604	107	66312	52.217	ug/l		100
64) Tetrachloroethene	9.269	164	52531	51.021	ug/l		100
65) Chlorobenzene	10.079	112	176922	50.853	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57642	51.402	ug/l		100
67) Ethyl Benzene	10.189	91	316427	51.431	ug/l		100
68) m/p-Xylenes	10.299	106	234554	103.515	ug/l		100
69) o-Xylene	10.640	106	114440	50.341	ug/l		100
70) Styrene	10.653	104	191406	52.387	ug/l		100
71) Bromoform	10.799	173	44730	53.645	ug/l	#	100
73) Isopropylbenzene	10.963	105	294694	51.167	ug/l		100
74) N-amyl acetate	10.842	43	140869	53.881	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	101089	50.945	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	81743m	51.421	ug/l		
77) Bromobenzene	11.195	156	66904	51.173	ug/l		100
78) n-propylbenzene	11.305	91	342399	51.546	ug/l		100
79) 2-Chlorotoluene	11.360	91	204484	50.154	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	241129	51.613	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24135	41.172	ug/l		100
82) 4-Chlorotoluene	11.451	91	230493	51.072	ug/l		100
83) tert-Butylbenzene	11.713	119	240510	50.895	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	240719	52.326	ug/l		100
85) sec-Butylbenzene	11.890	105	300393	51.353	ug/l		100
86) p-Isopropyltoluene	12.006	119	244031	51.964	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	118879	49.747	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	120217	49.694	ug/l		100
89) n-Butylbenzene	12.329	91	214685	52.006	ug/l		100
90) Hexachloroethane	12.536	117	43086	49.188	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	118896	50.557	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	56.123	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	71897	50.571	ug/l		100
94) Hexachlorobutadiene	13.725	225	27916	49.245	ug/l		100
95) Naphthalene	13.774	128	278086	53.700	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75482	52.406	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

ICAL Form

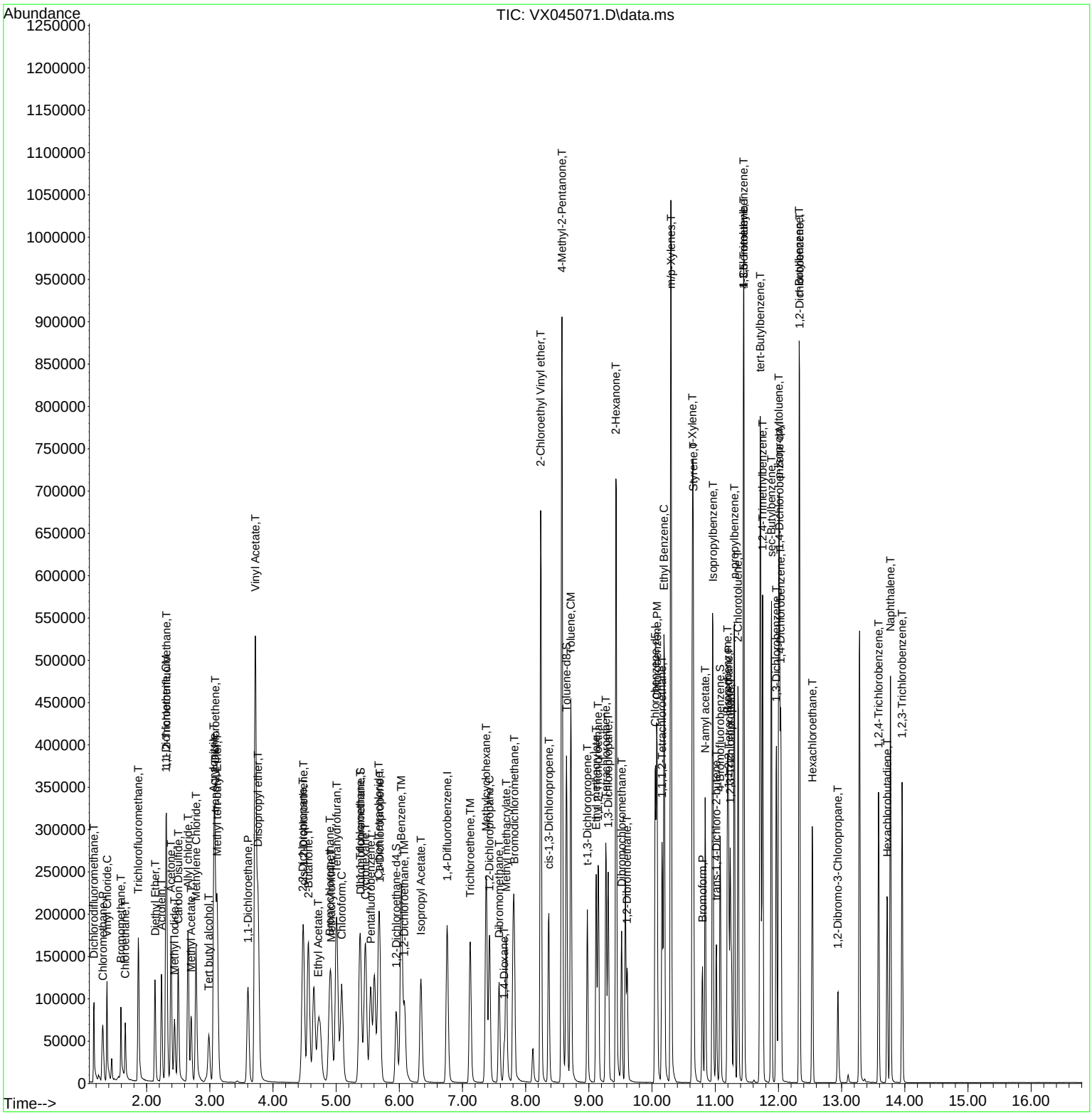
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

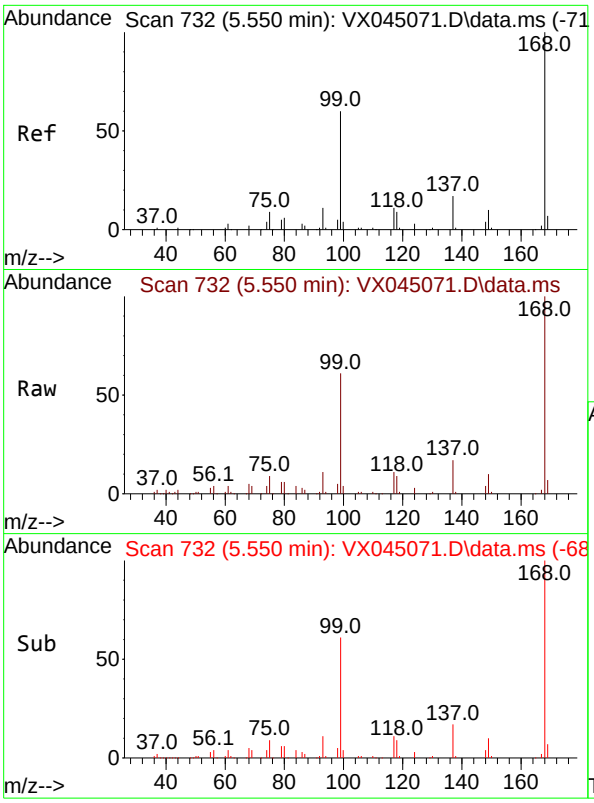
Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

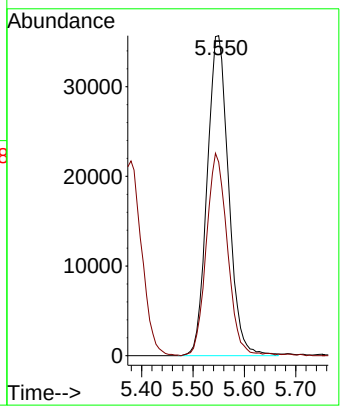




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:168 Resp: 10323

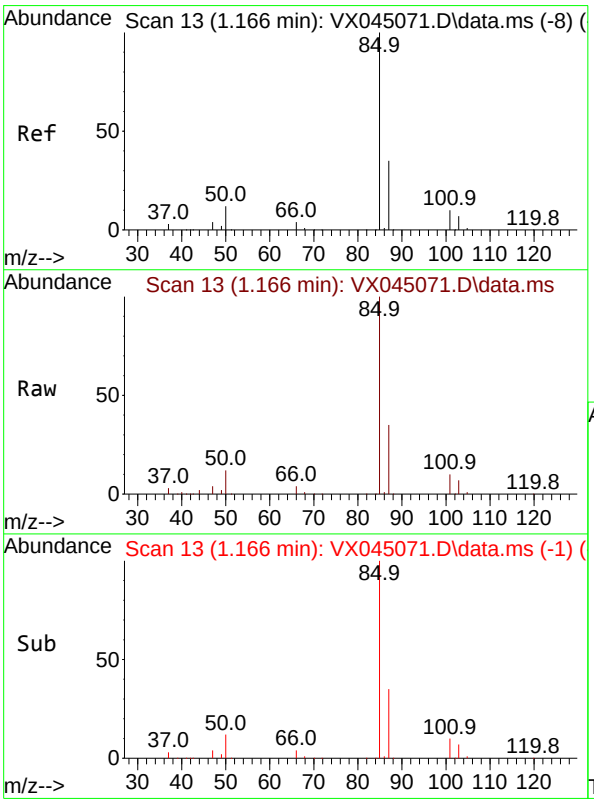
Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

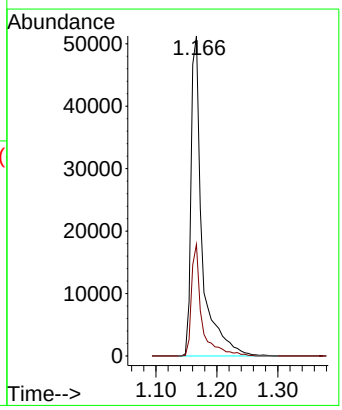
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

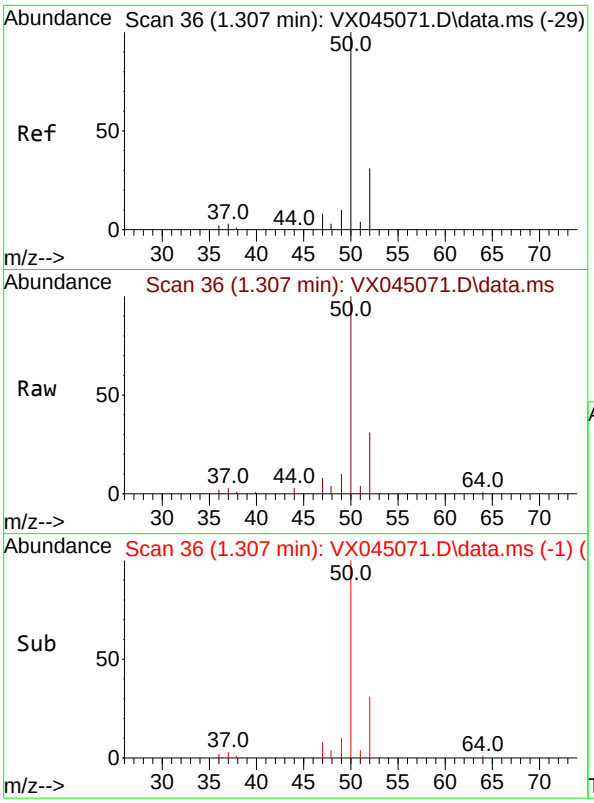


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743

Ion	Ratio	Lower	Upper
85	100		
87	34.9	17.4	52.3

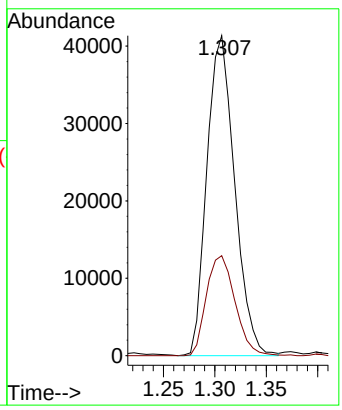




#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 50 Resp: 7772

Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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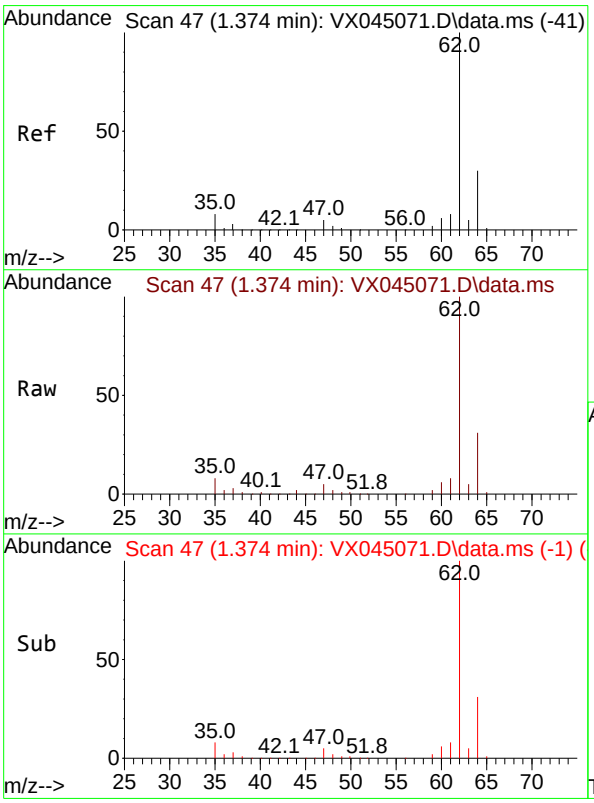
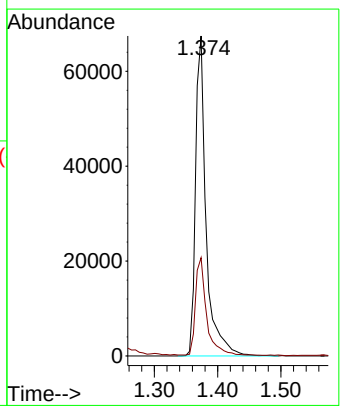
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

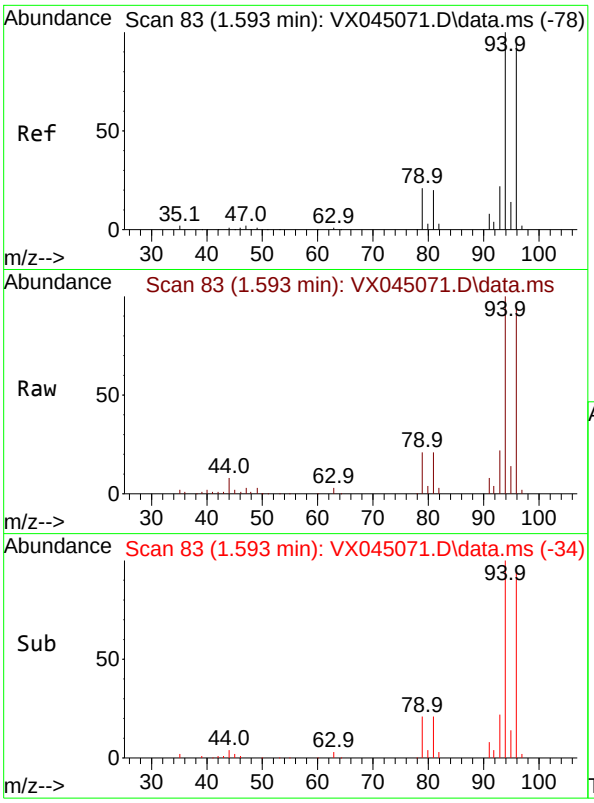


#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 78524

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5

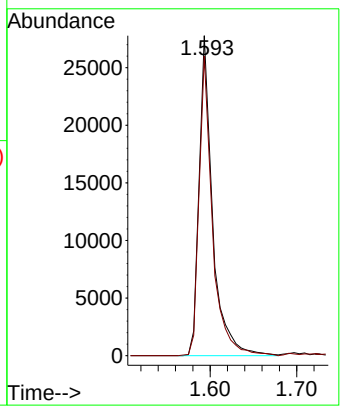




#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 94 Resp: 3016

Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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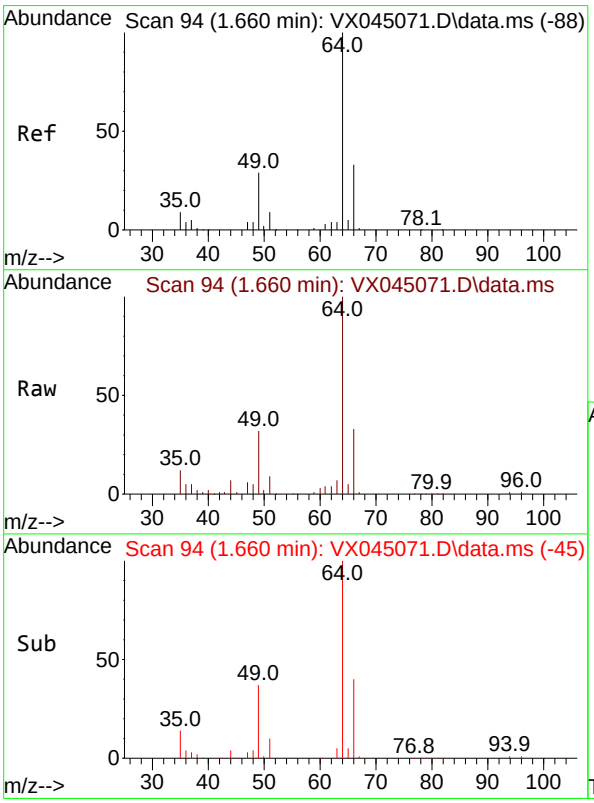
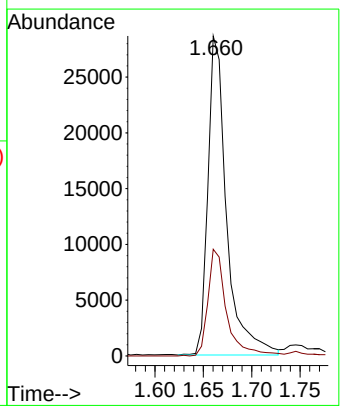
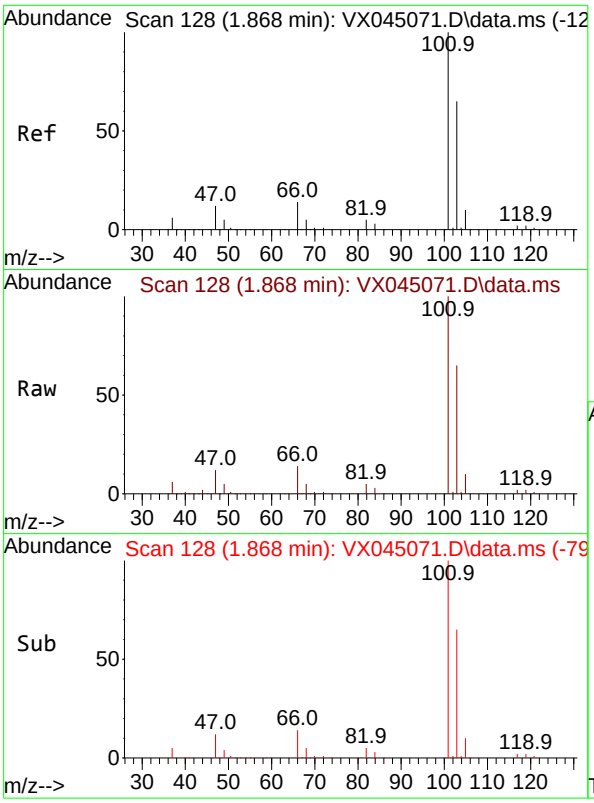


#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 64 Resp: 38461

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1





#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:101 Resp: 10841

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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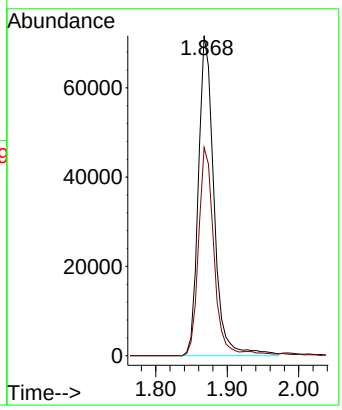
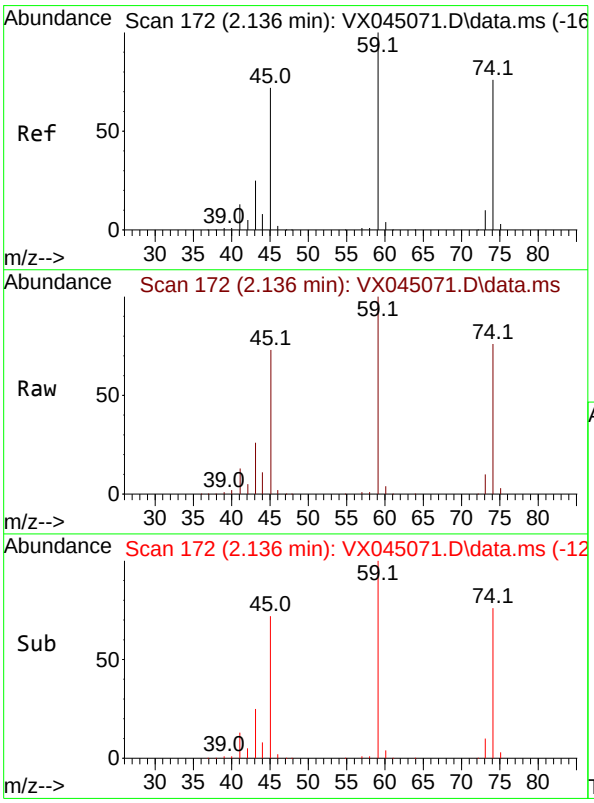
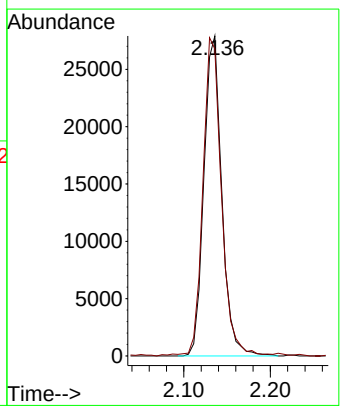


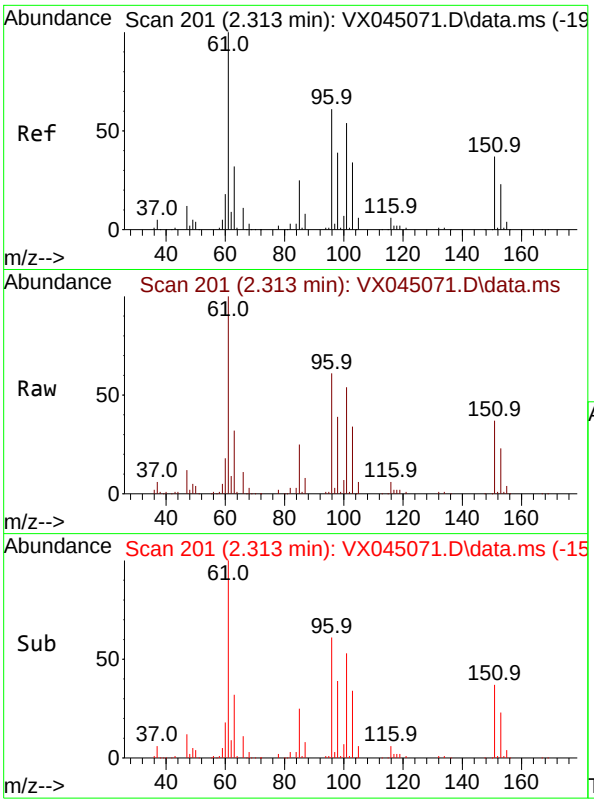


#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 74 Resp: 40001

Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.399 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:101 Resp: 6131

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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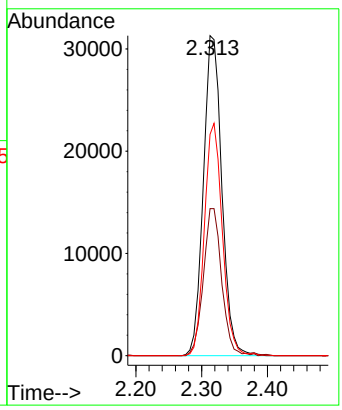
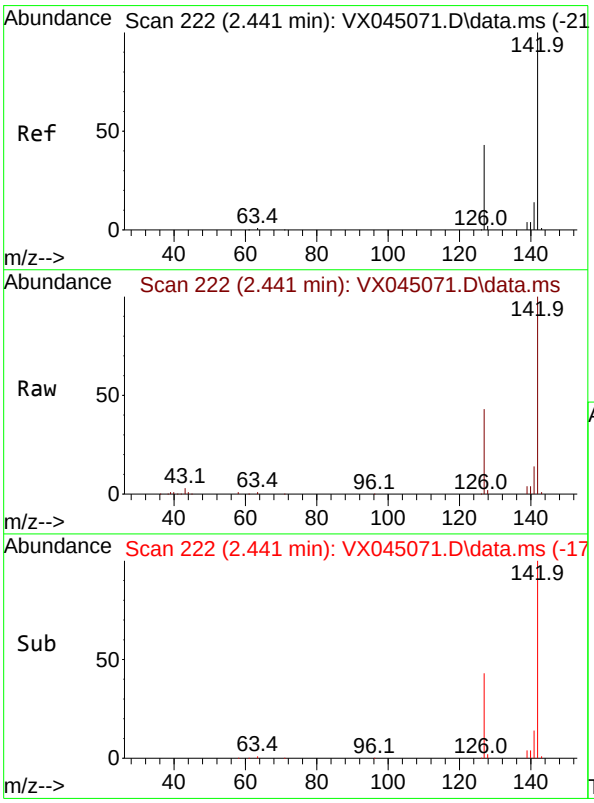
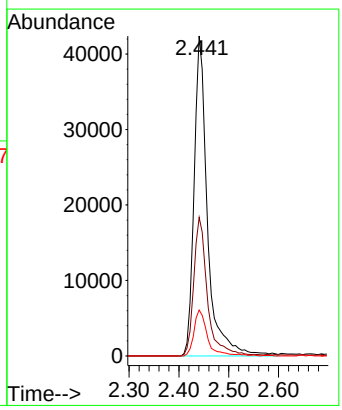


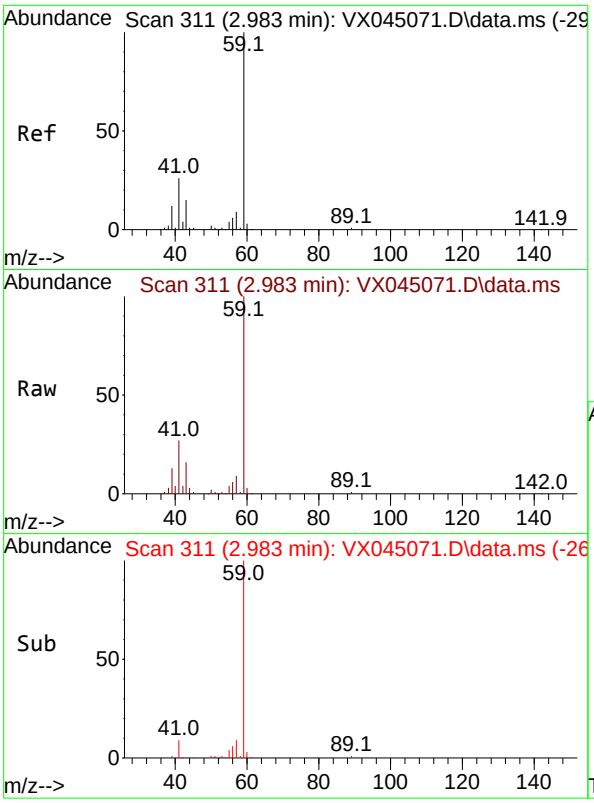


#10
Methyl Iodide
Concen: 47.854 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:142 Resp: 79357

Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.4	53.2
141	14.5	11.6	17.4

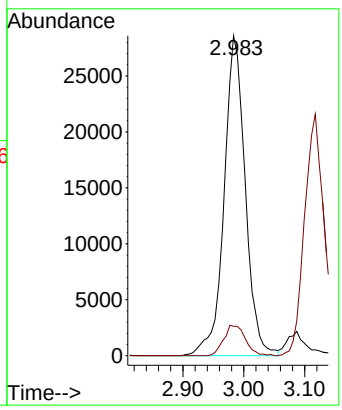




#11
Tert butyl alcohol
Concen: 247.496 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 59 Resp: 6913

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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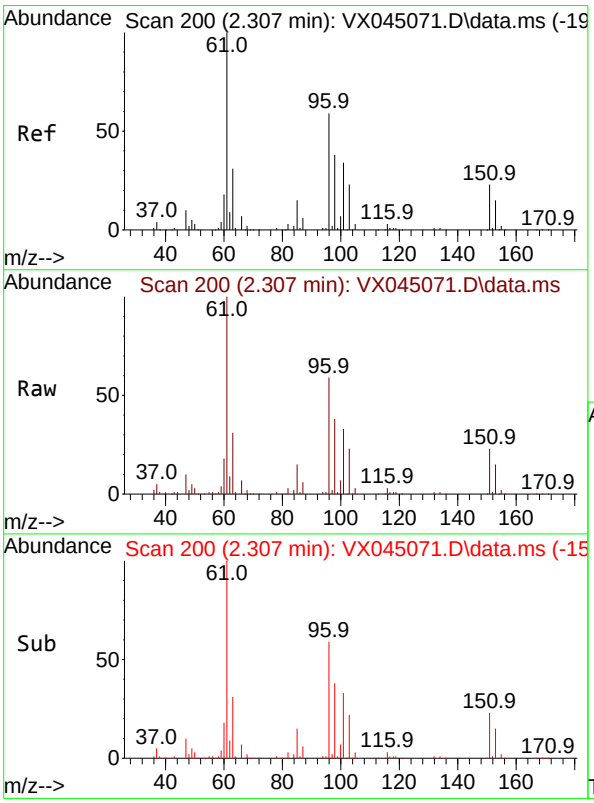
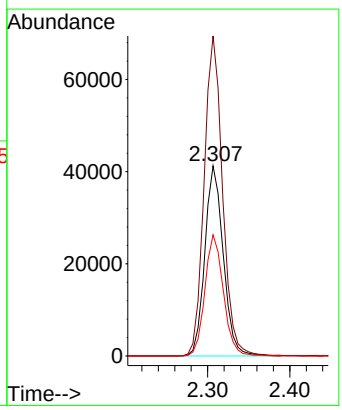
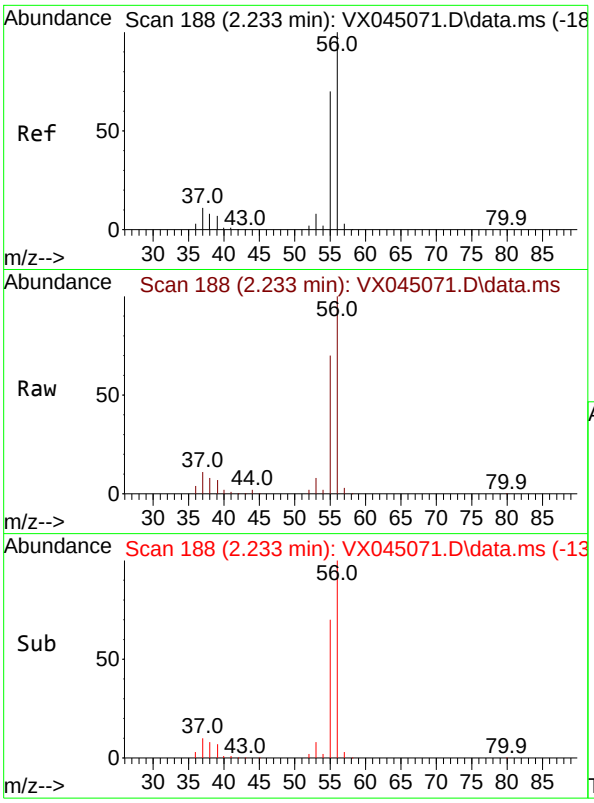


#12
1,1-Dichloroethene
Concen: 48.434 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 64327

Ion	Ratio	Lower	Upper
96	100		
61	168.3	134.6	202.0
98	63.8	51.0	76.6

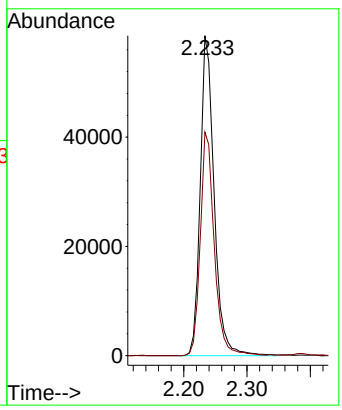




#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 8960

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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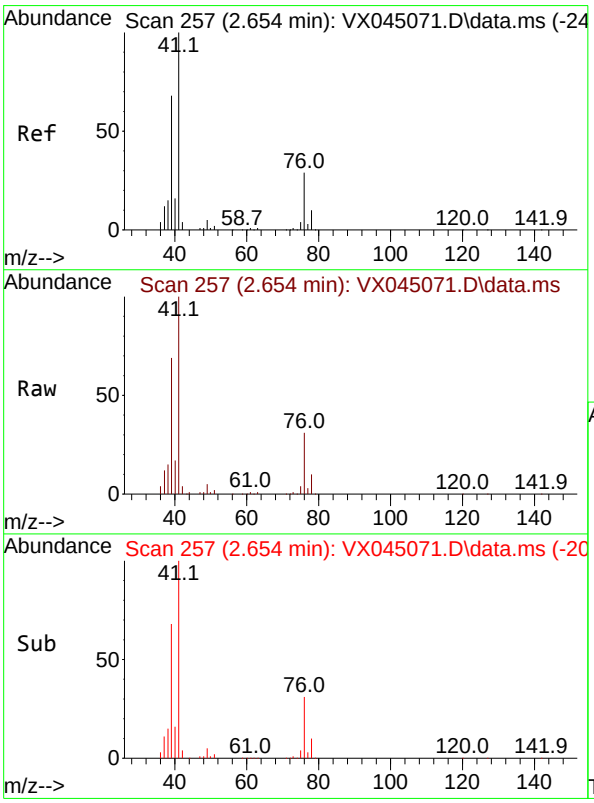
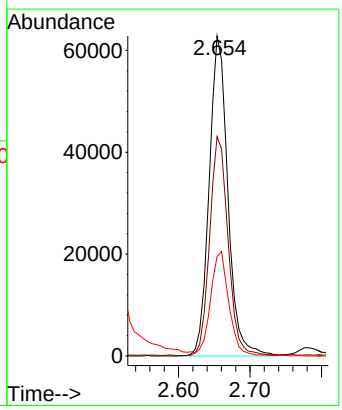
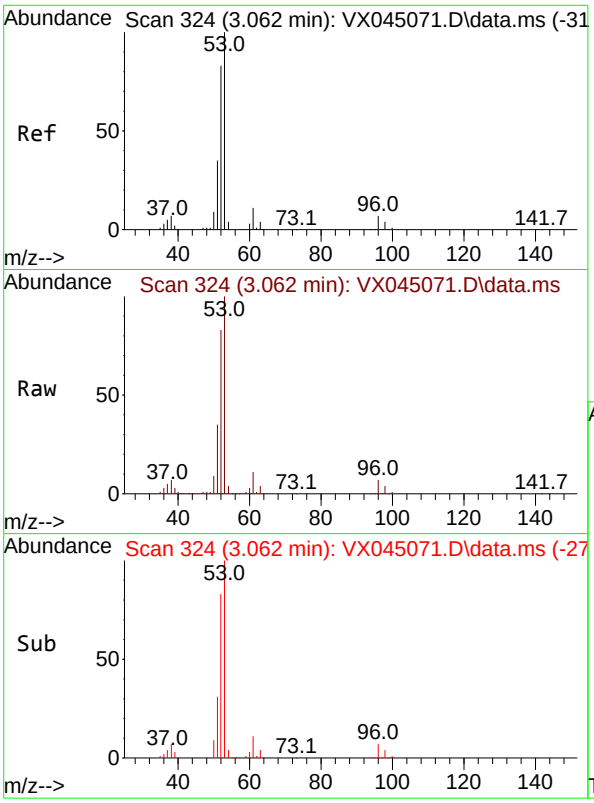


#14
Allyl chloride
Concen: 47.875 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 114313

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	31.5	25.2	37.8

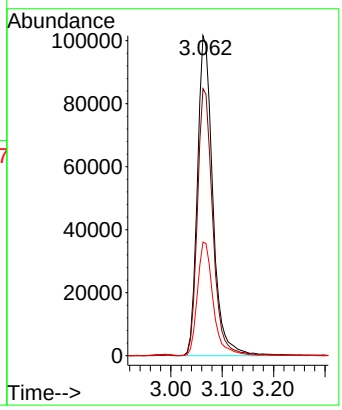




#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 53 Resp: 21145

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.2	29.0	43.4



Instrument :
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ClientSampleId :
VSTDICCC050

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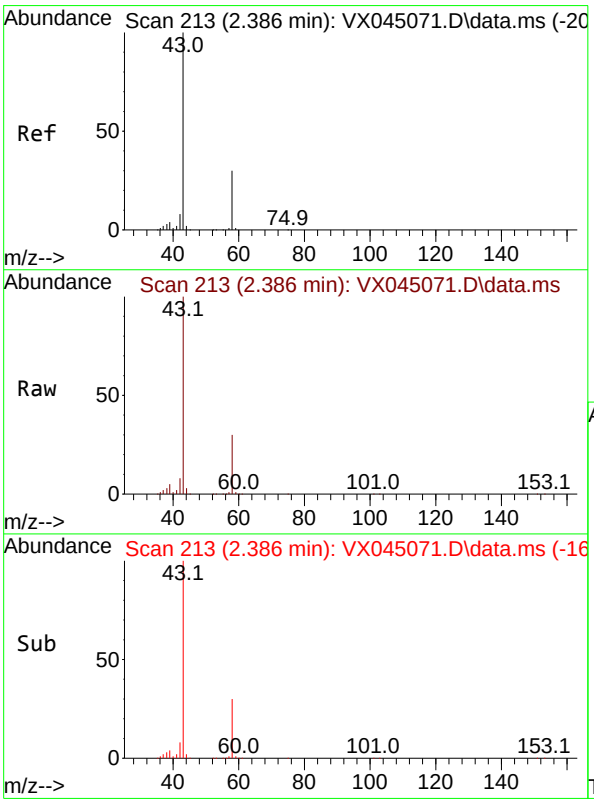
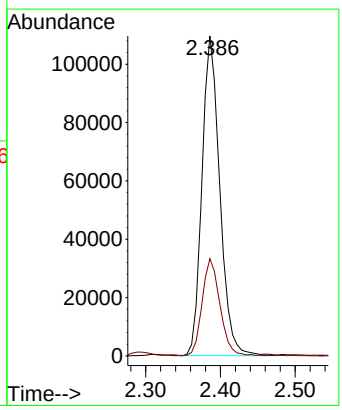
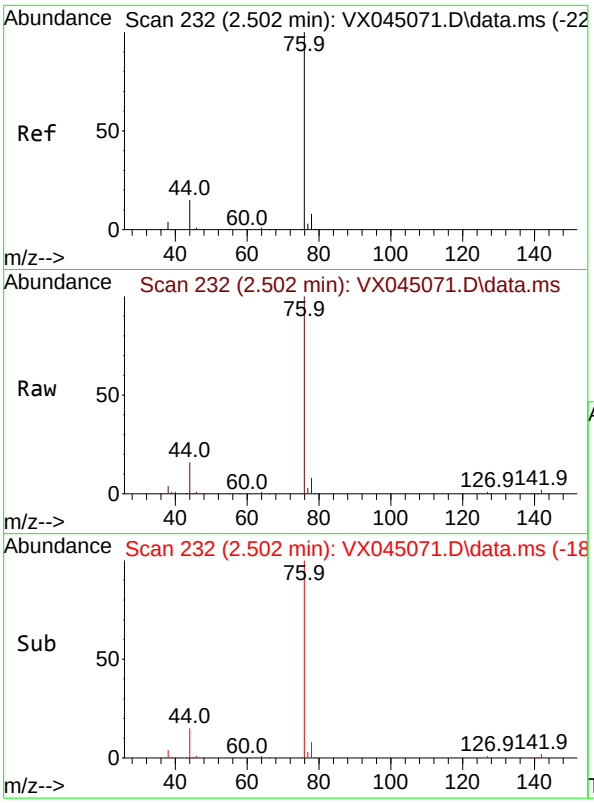


#16
Acetone
Concen: 289.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 181429

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4





#17
Carbon Disulfide
Concen: 47.419 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 76 Resp: 17135

Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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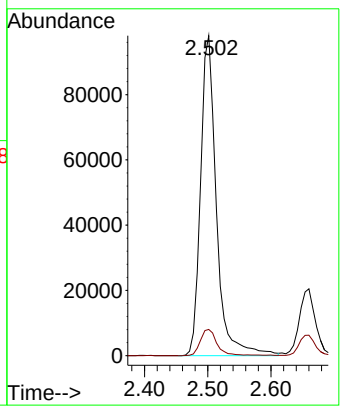
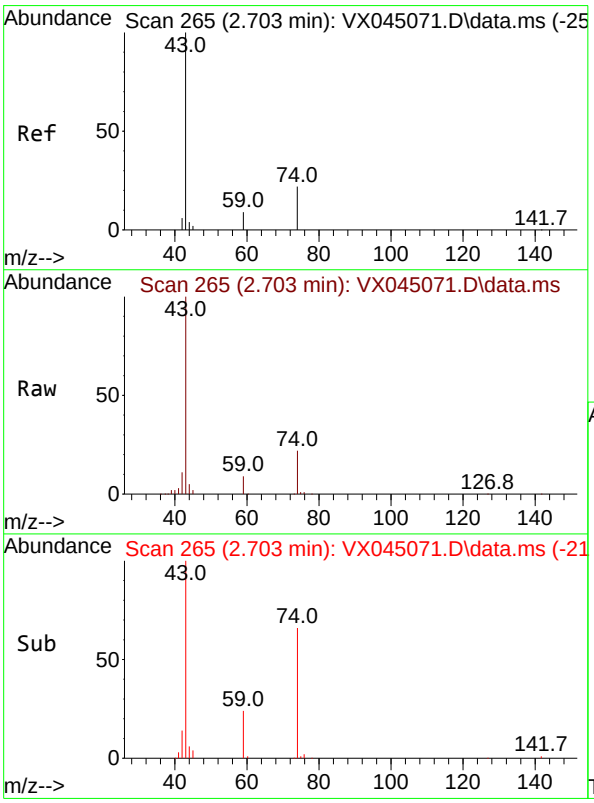
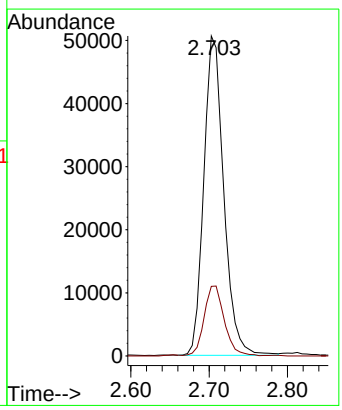


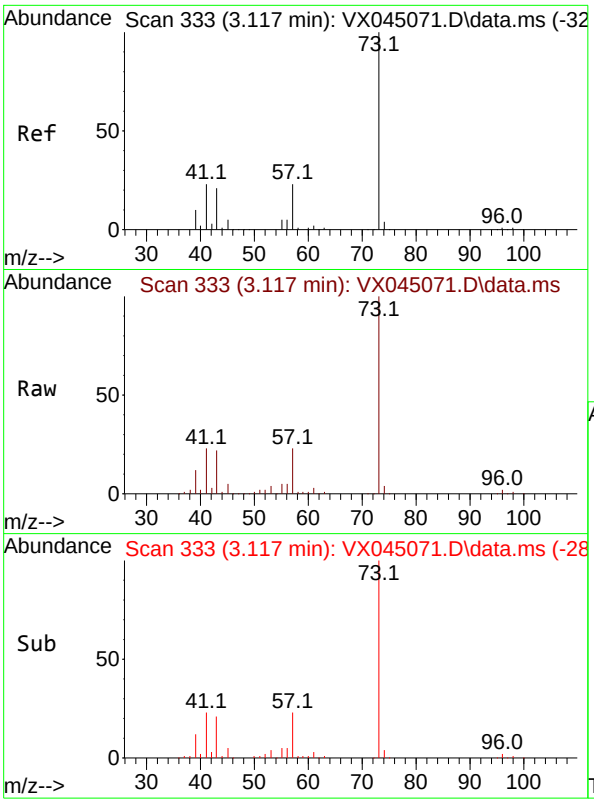


#18
Methyl Acetate
Concen: 47.359 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 89508

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

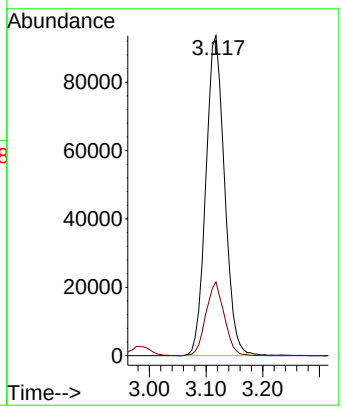




#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 73 Resp: 21504

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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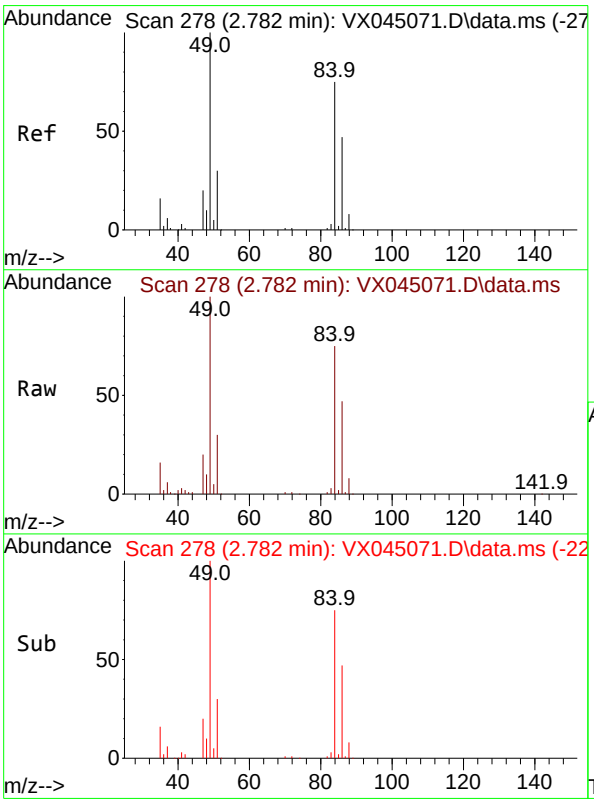
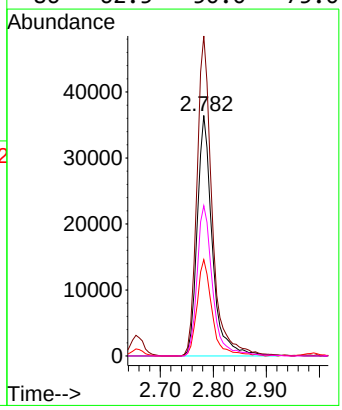
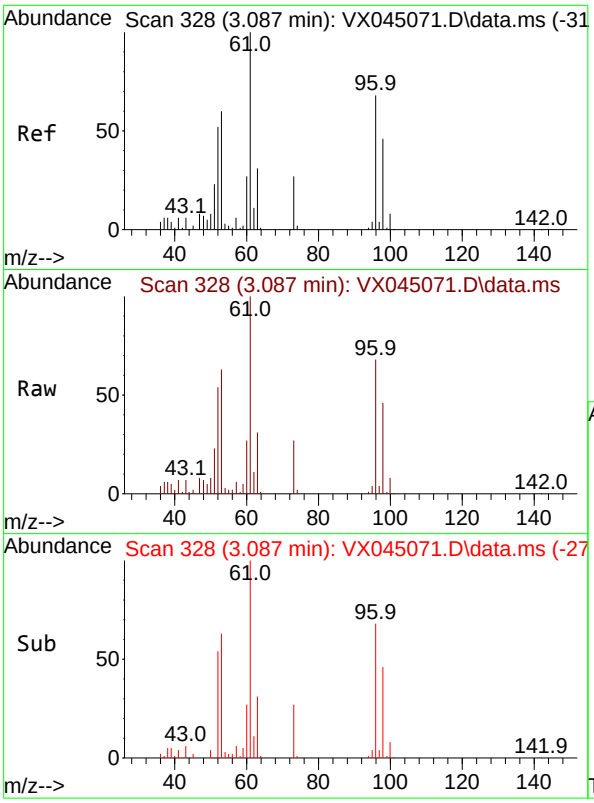


#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 84 Resp: 72081

Ion	Ratio	Lower	Upper
84	100		
49	133.1	106.5	159.7
51	40.1	32.1	48.1
86	62.5	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 49.832 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 6509

Ion	Ratio	Lower	Upper
96	100		
61	146.2	117.0	175.4
98	66.8	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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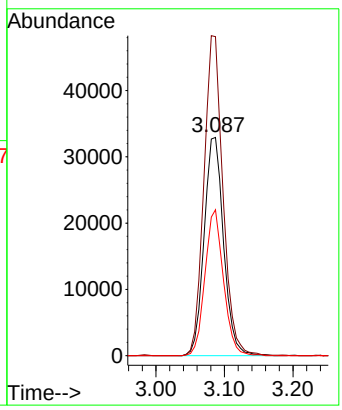
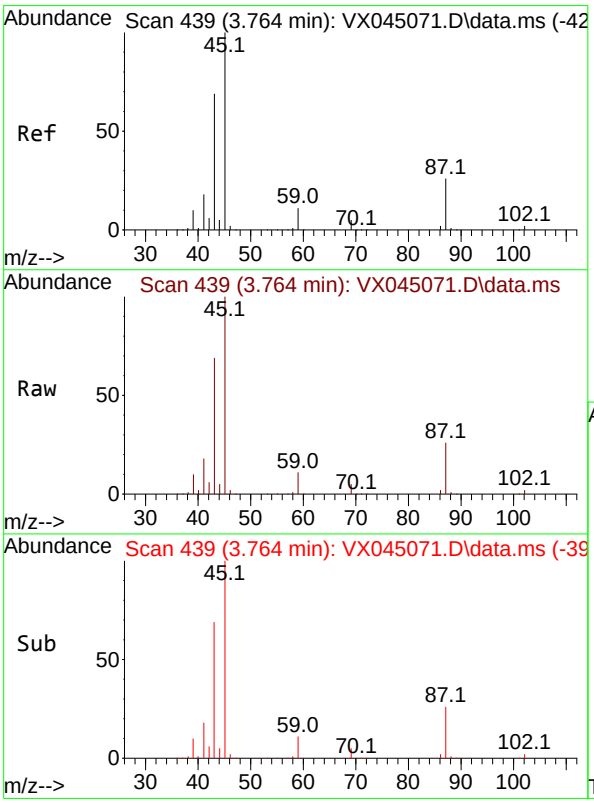
Supervised By :Mahesh Dadoda 02/28/2025

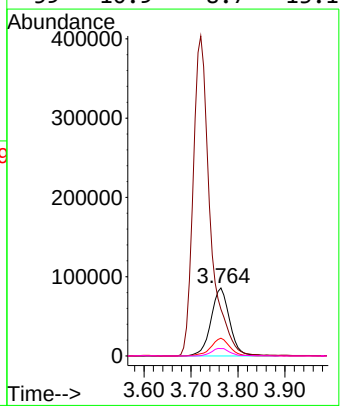


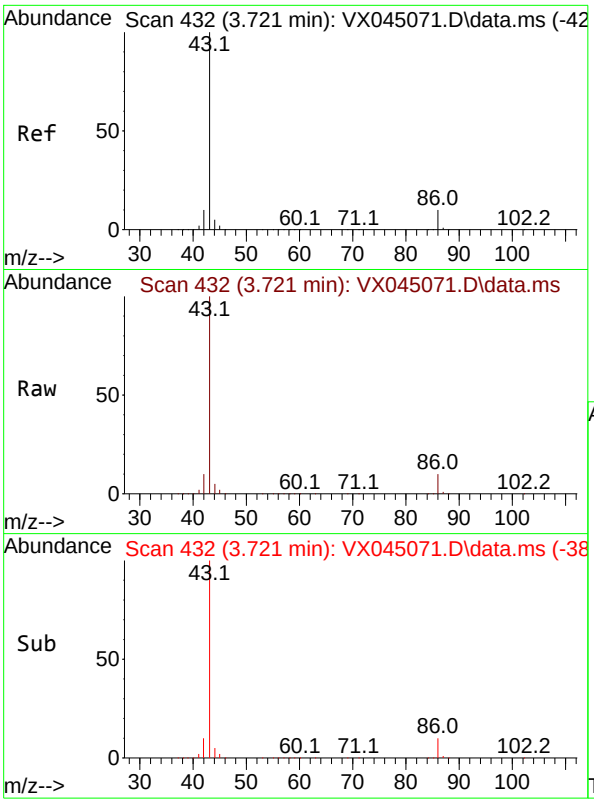


#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 45 Resp: 236563

Ion	Ratio	Lower	Upper
45	100		
43	68.6	54.9	82.3
87	26.2	21.0	31.4
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 271.773 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 101863

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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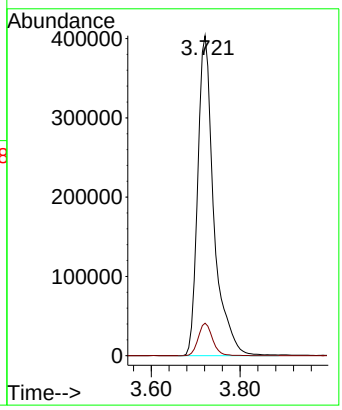
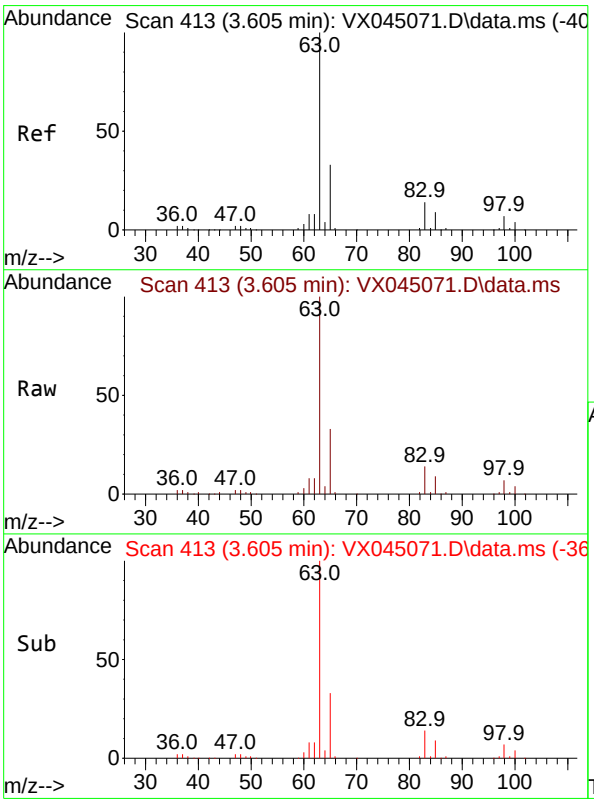
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

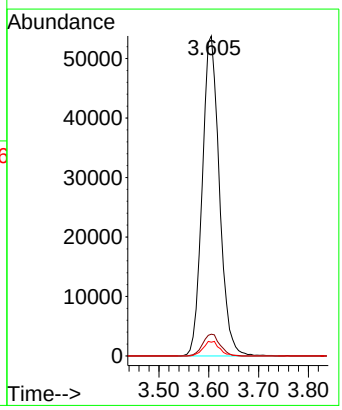


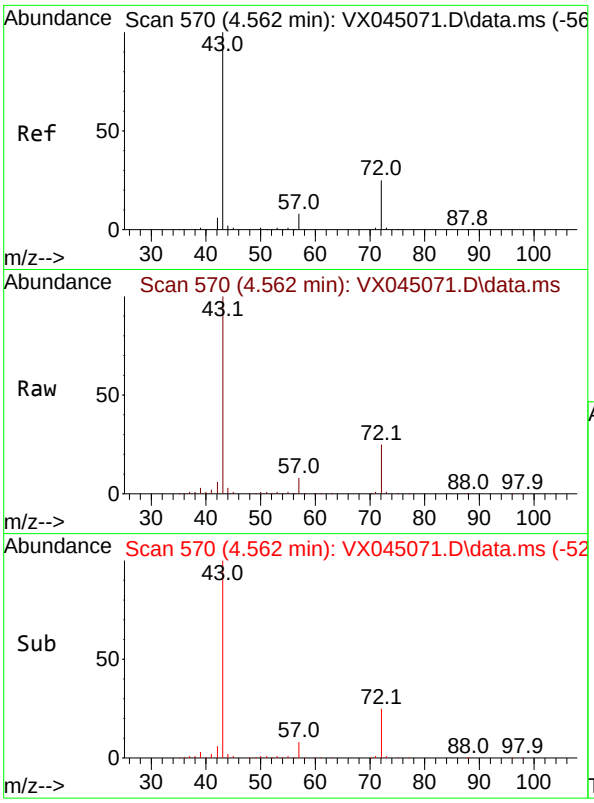


#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 128235

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.3	2.1	6.5

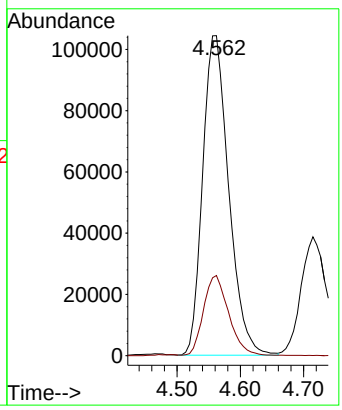




#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 29878

Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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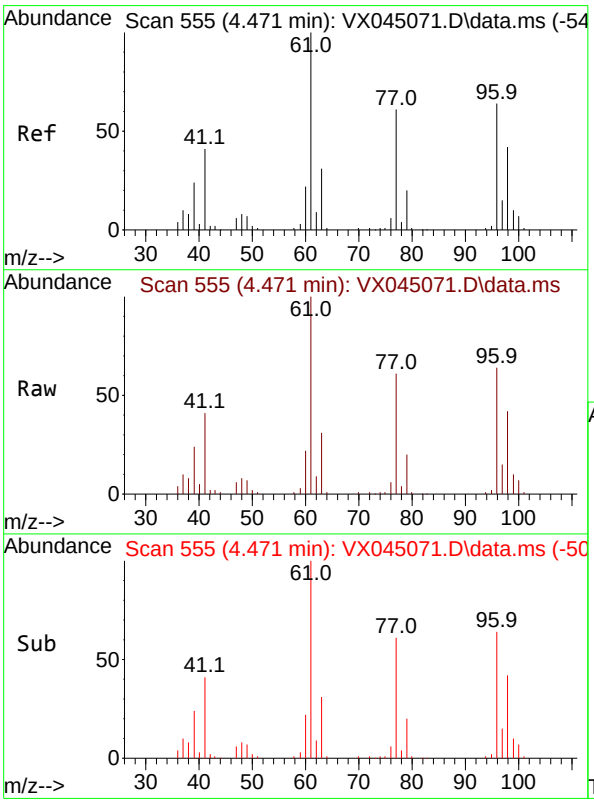
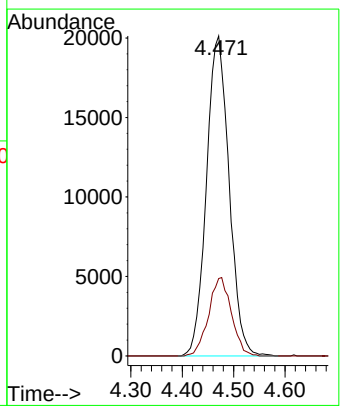
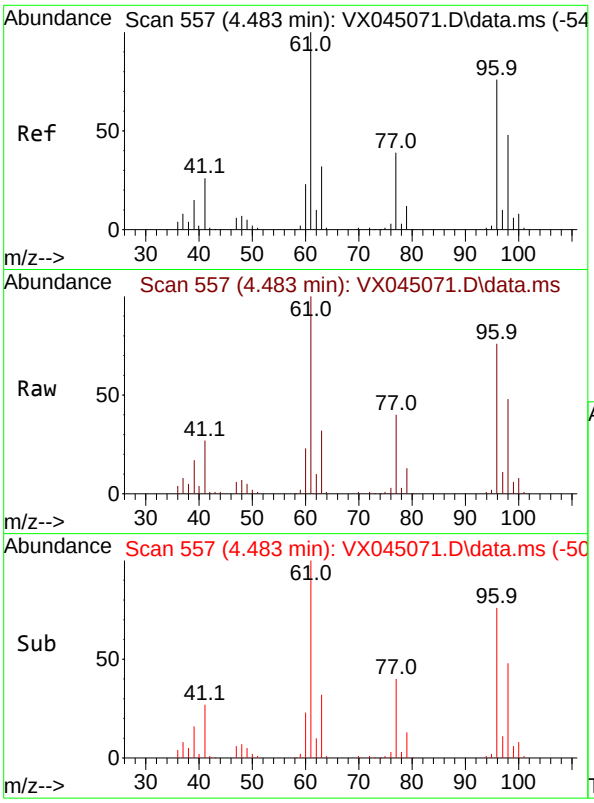


#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 77 Resp: 61631

Ion	Ratio	Lower	Upper
77	100		
97	24.7	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 49.955 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 7865

Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	283.2
98	64.0	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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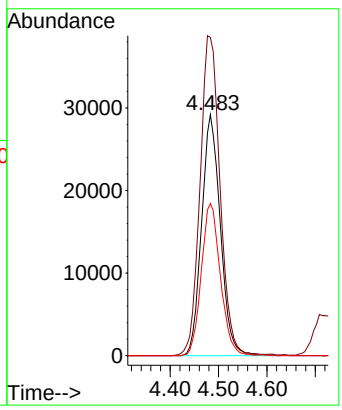
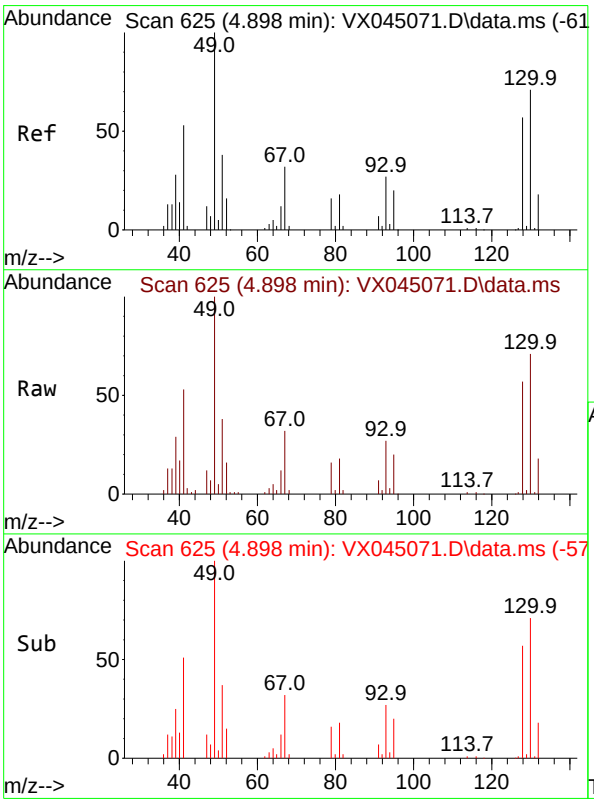
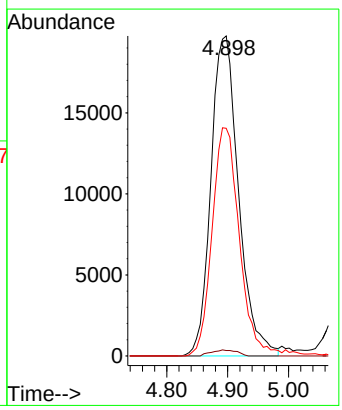


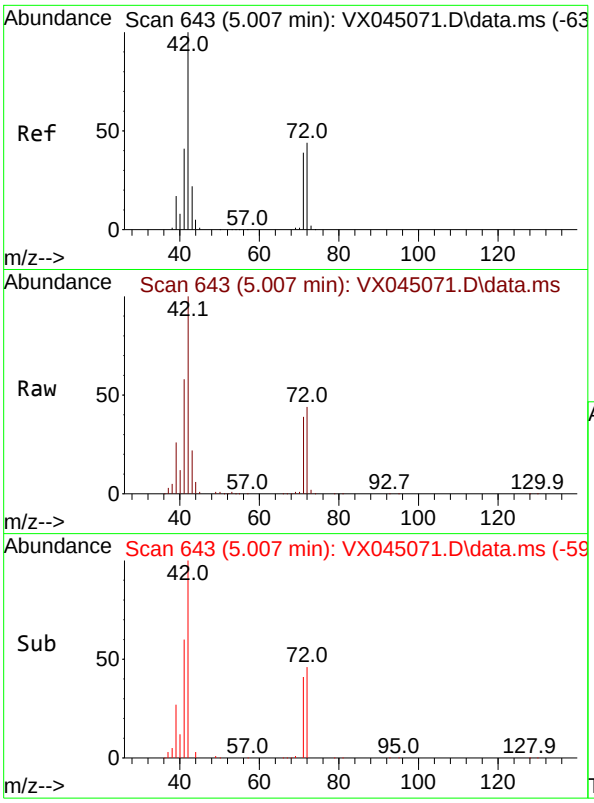


#28
Bromochloromethane
Concen: 50.643 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 49 Resp: 62299

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1

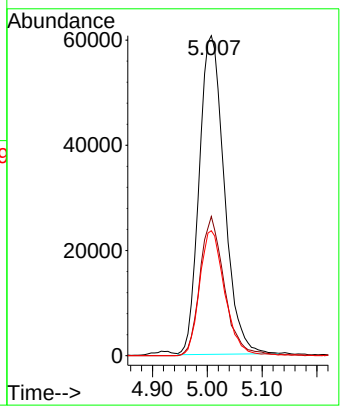




#29
Tetrahydrofuran
Concen: 287.345 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 42 Resp: 19260

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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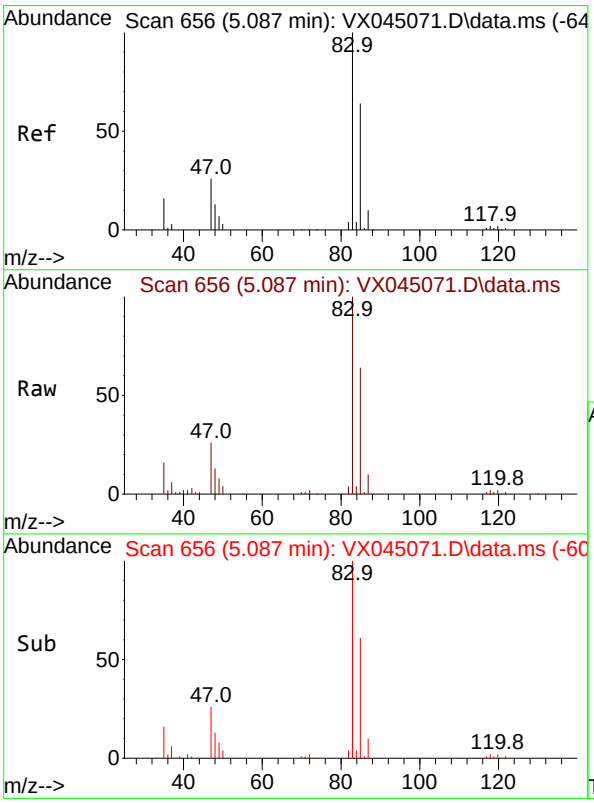
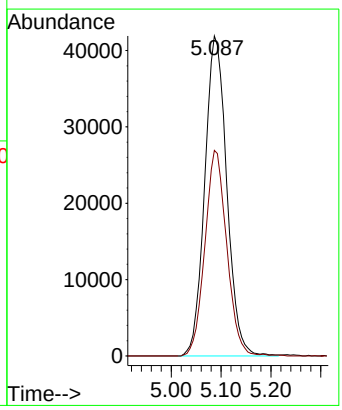
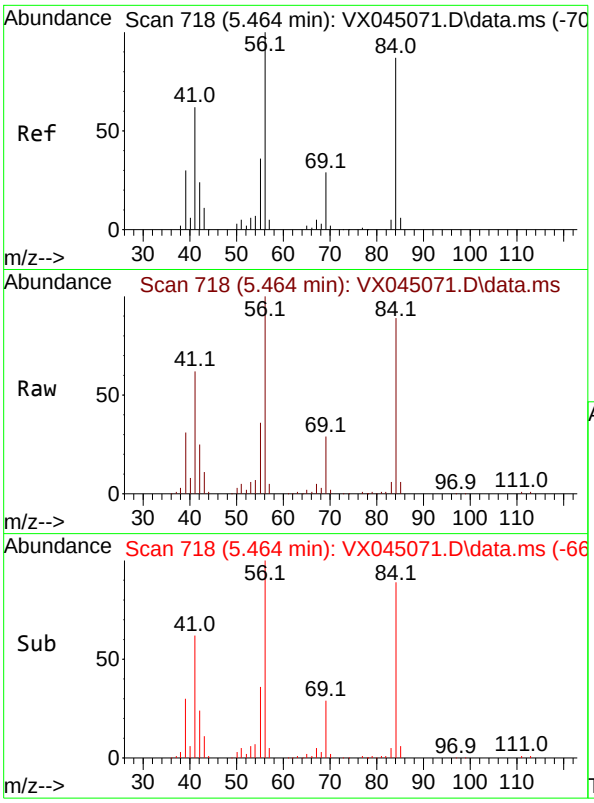


#30
Chloroform
Concen: 51.532 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 128581

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2

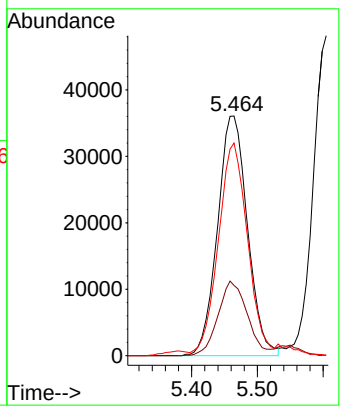




#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 11433

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	86.8	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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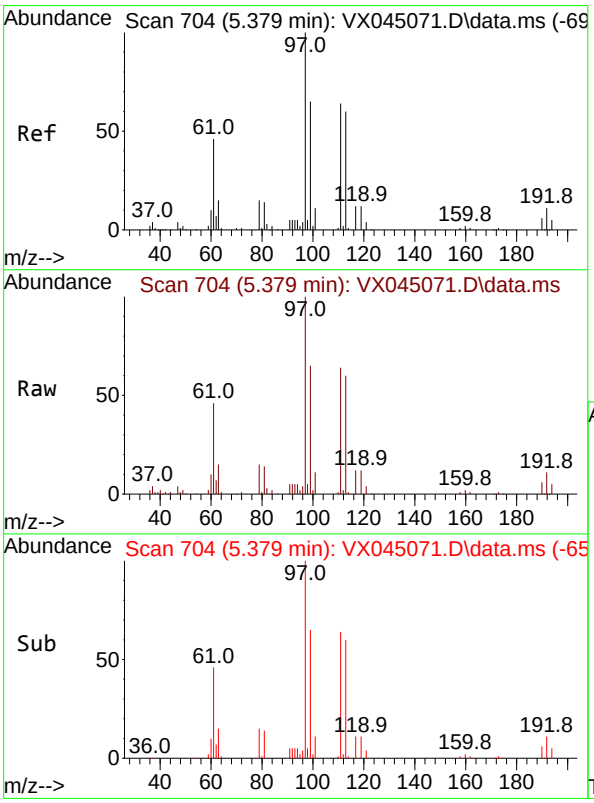
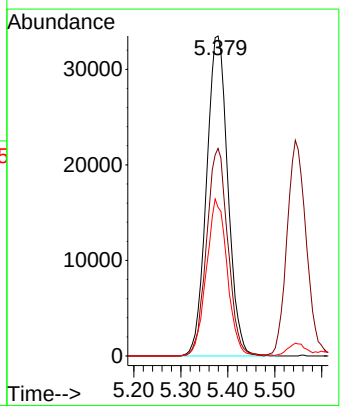
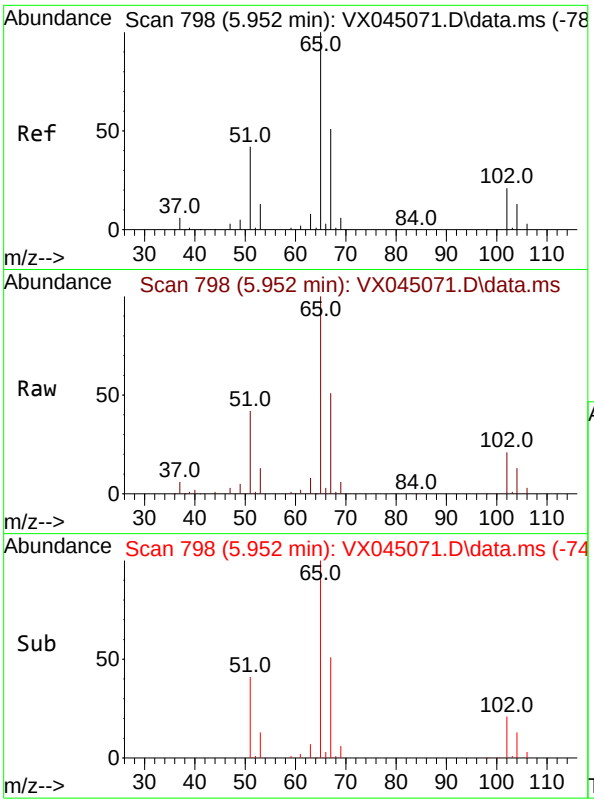


#32
1,1,1-Trichloroethane
Concen: 50.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 105671

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.0	38.4	57.6

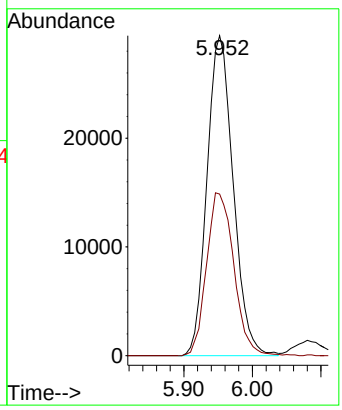




#33
1,2-Dichloroethane-d4
Concen: 51.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 65 Resp: 7815

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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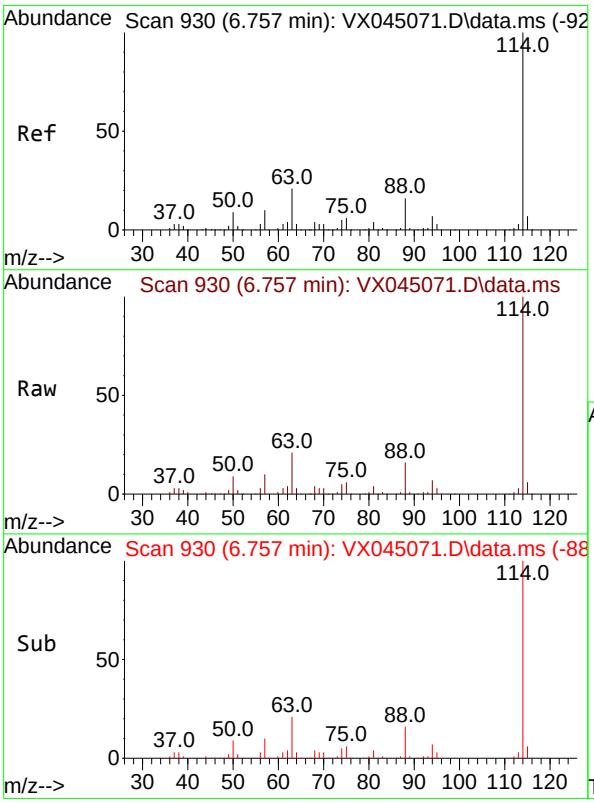
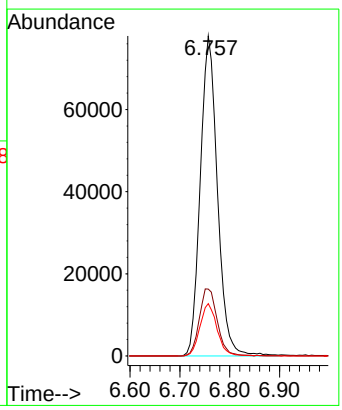
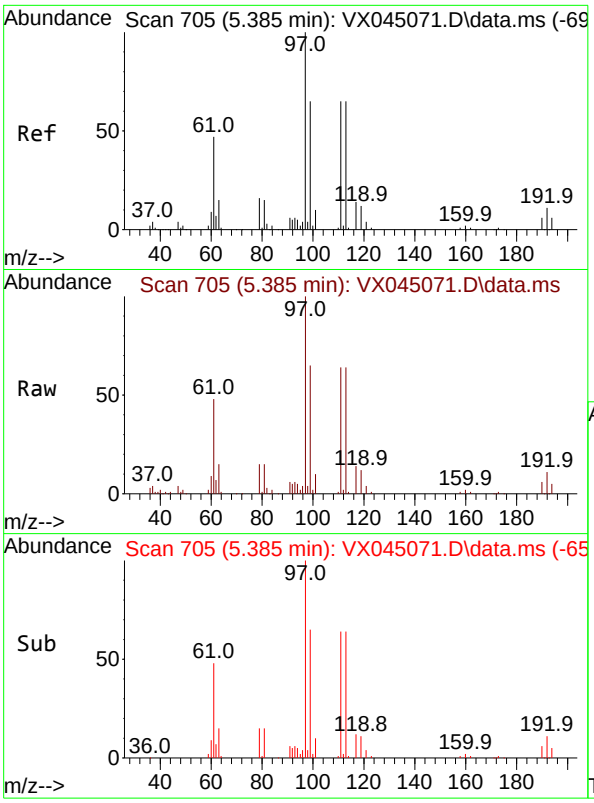


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:114 Resp: 186358

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.8
88	16.4	0.0	32.8

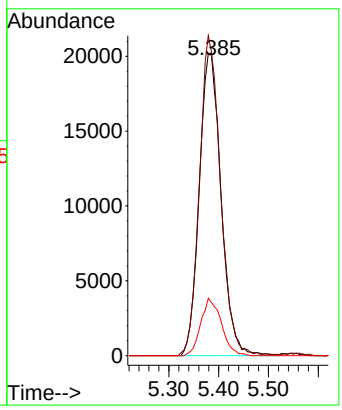




#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:113 Resp: 6132

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.9	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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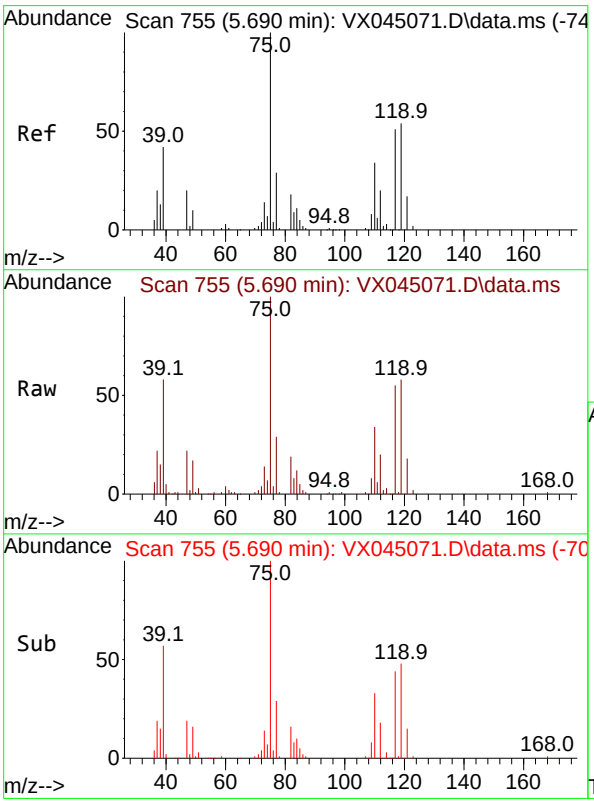
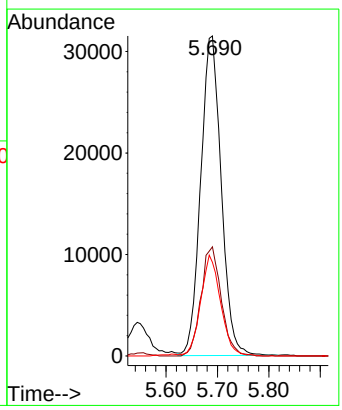
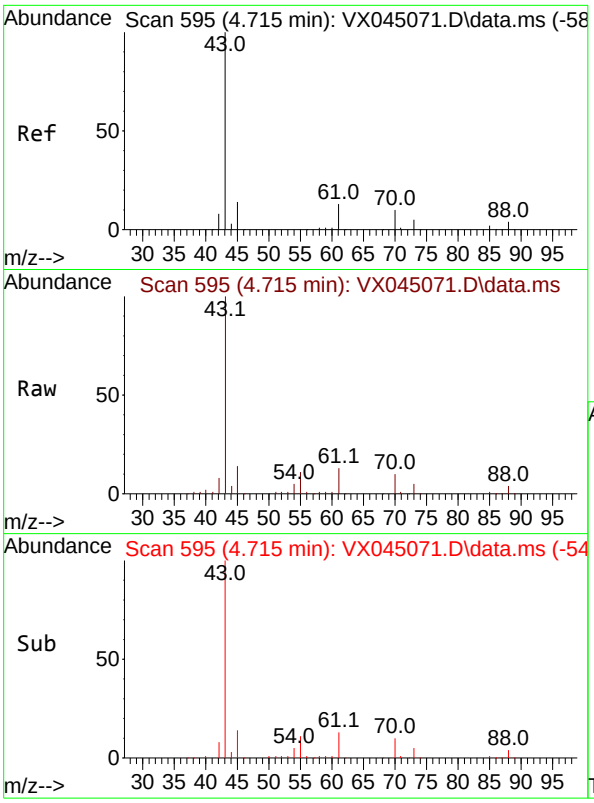


#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 87338

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.6	24.5	36.7

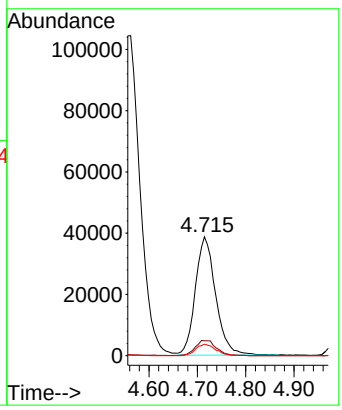




#37
Ethyl Acetate
Concen: 56.641 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 11289

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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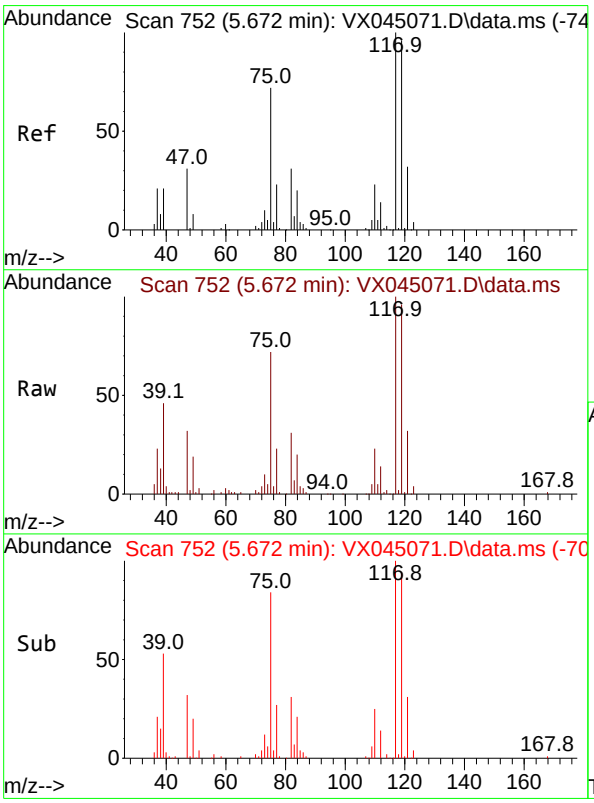
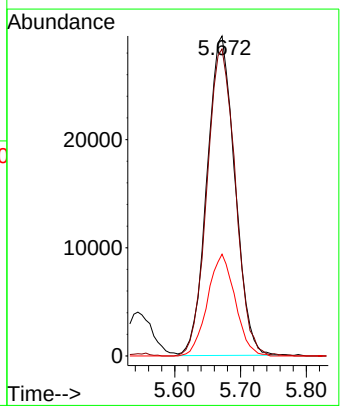
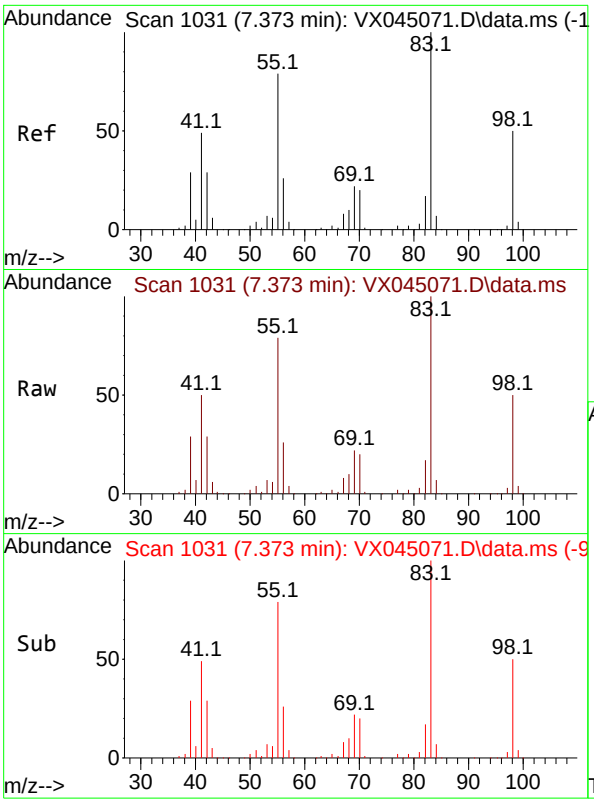


#38
Carbon Tetrachloride
Concen: 50.593 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 87123

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	31.9	25.5	38.3





#39
Methylcyclohexane
Concen: 48.715 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 10897

Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	49.6	39.7	59.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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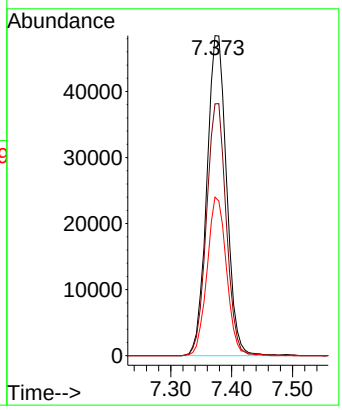
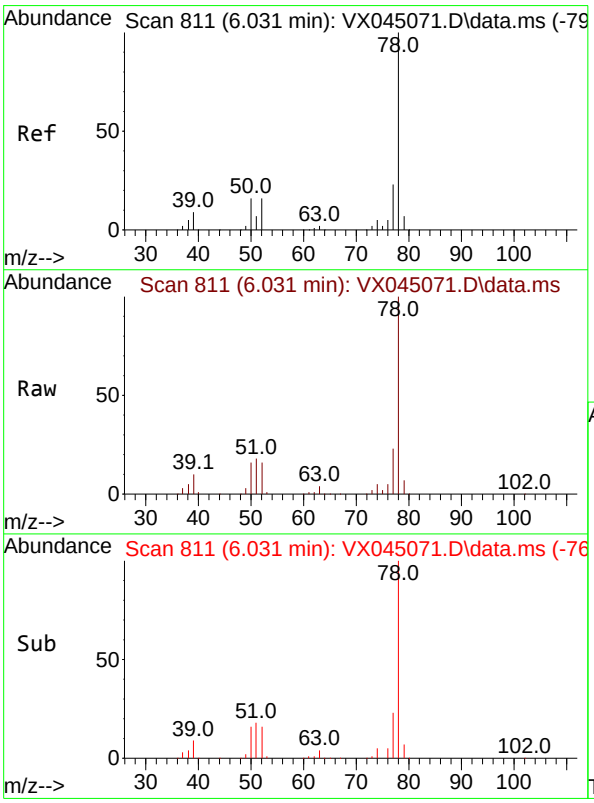
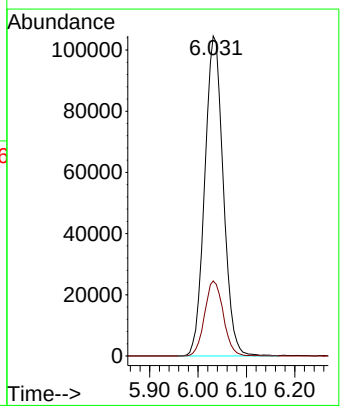


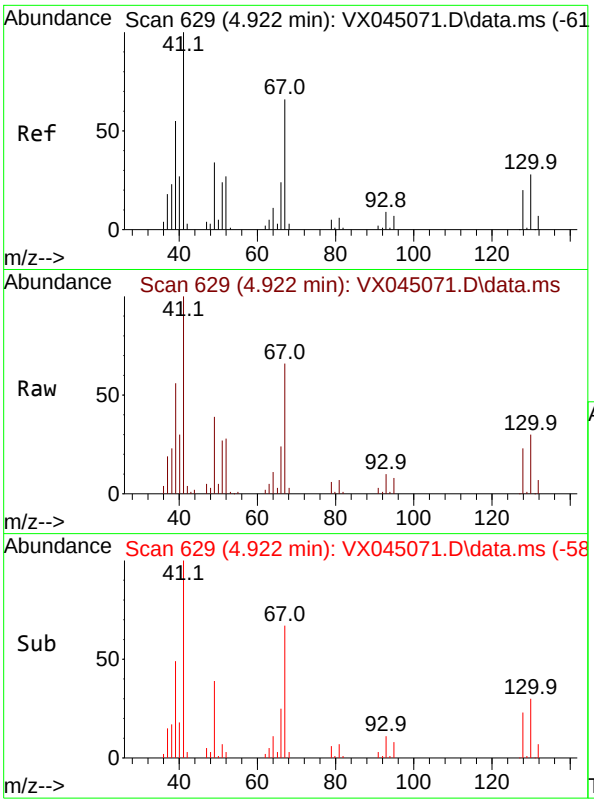


#40
Benzene
Concen: 50.925 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 78 Resp: 278802

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

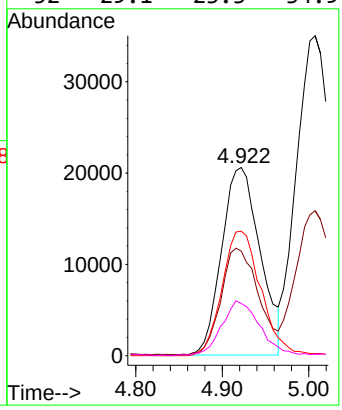




#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 6345

Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	67.4	53.9	80.9
52	29.1	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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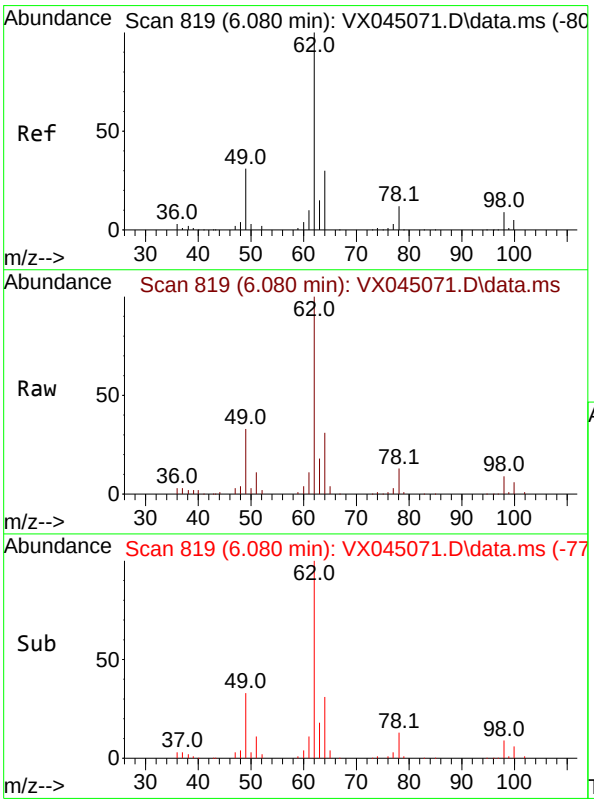
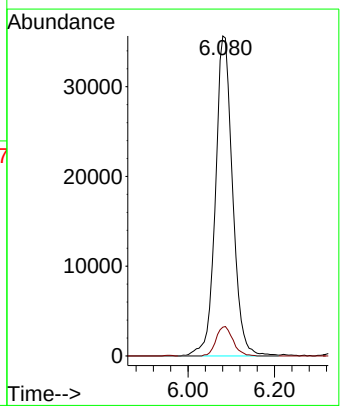
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

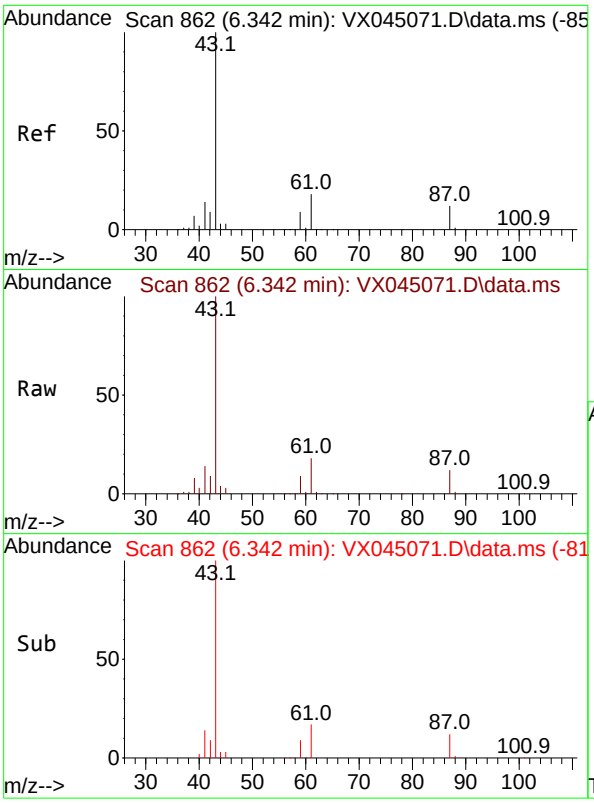


#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

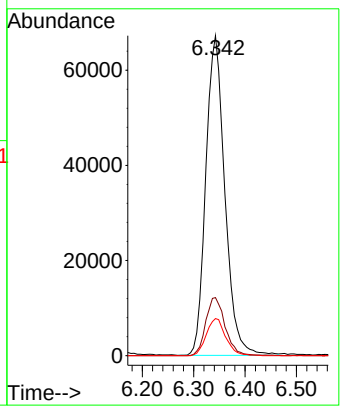




#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 17304

Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	11.8	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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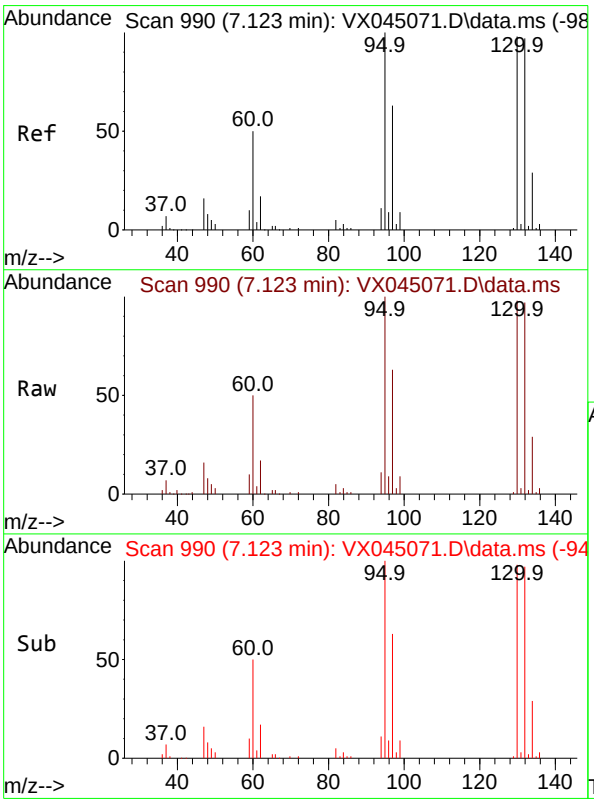
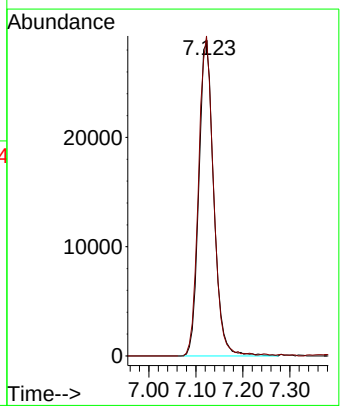
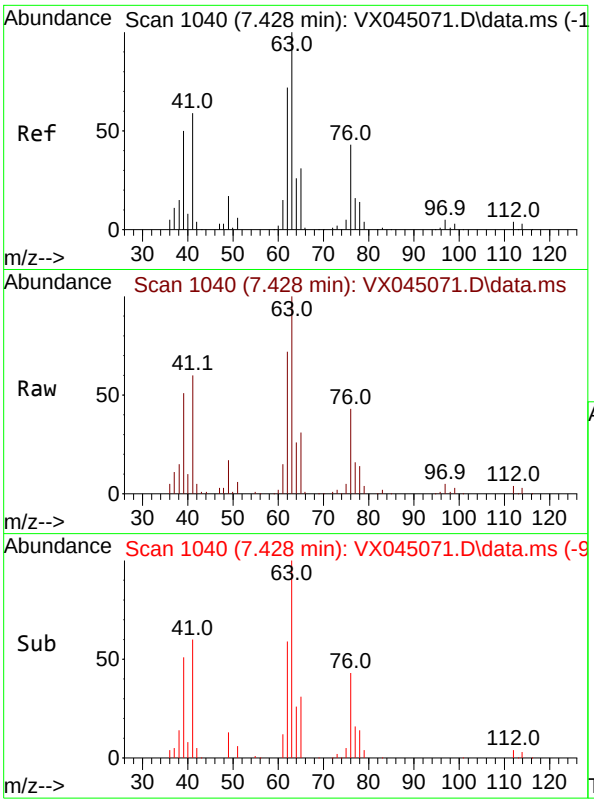


#44
Trichloroethene
Concen: 50.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:130 Resp: 63513

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0





#45
1,2-Dichloropropane
Concen: 50.808 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 6912

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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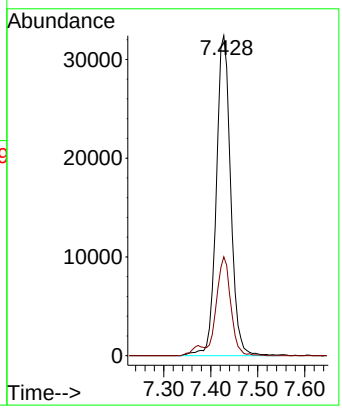
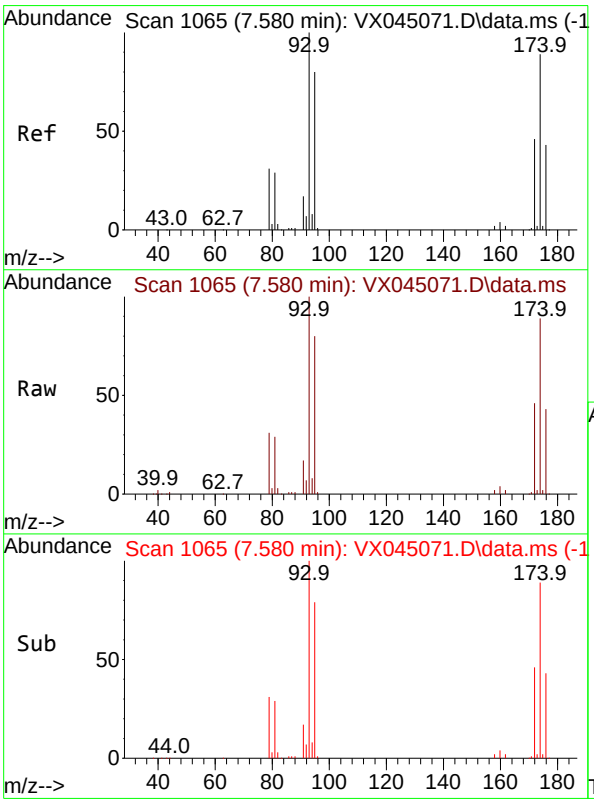
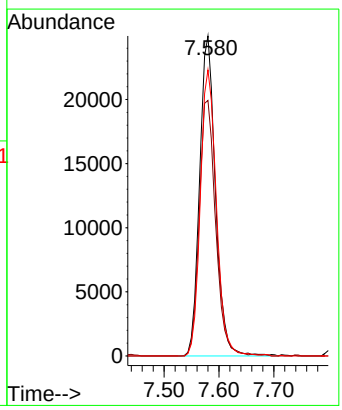


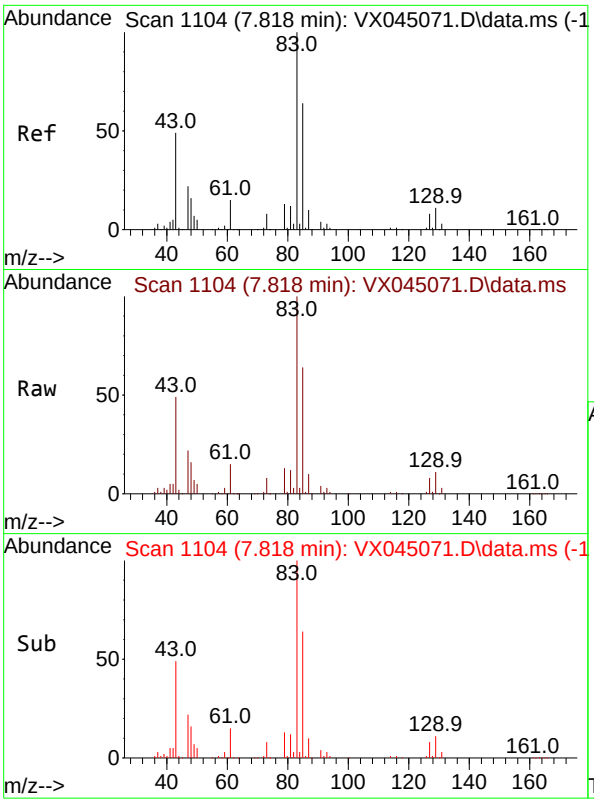


#46
Dibromomethane
Concen: 52.757 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 93 Resp: 50143

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	90.2	72.2	108.2

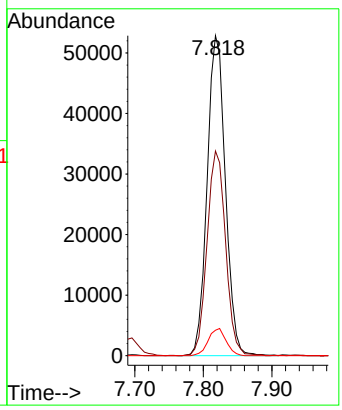




#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 9772

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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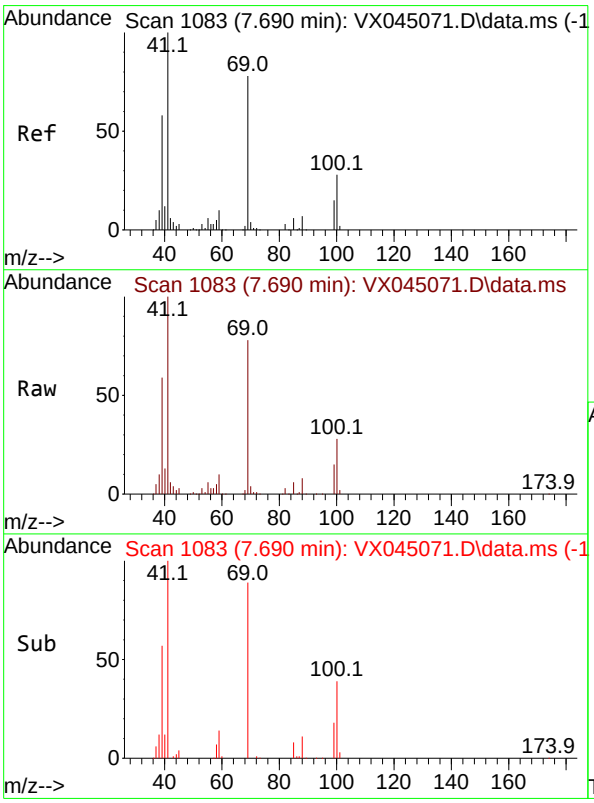
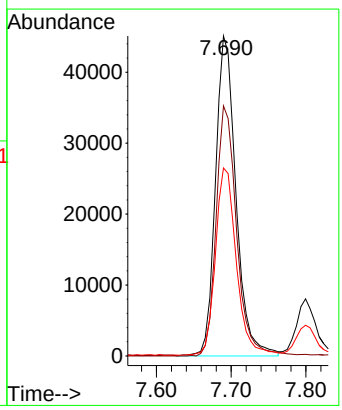
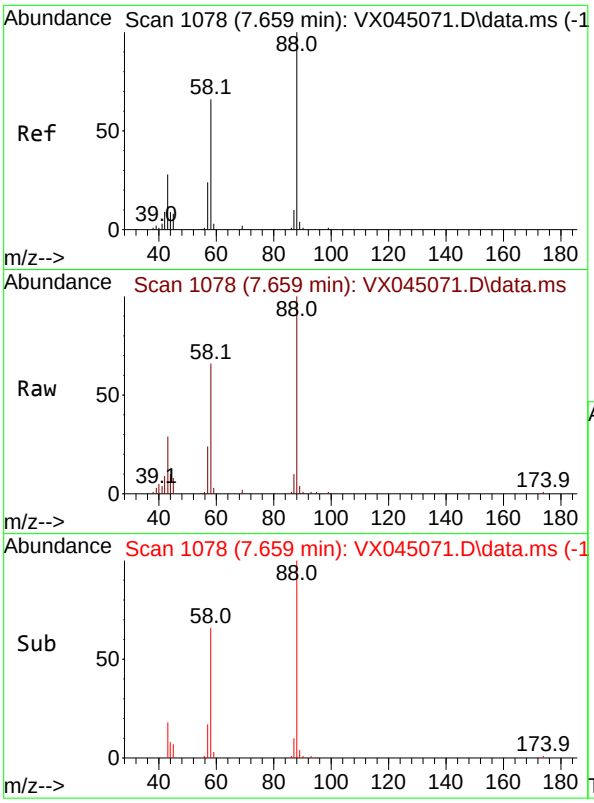


#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 86231

Ion	Ratio	Lower	Upper
41	100		
69	78.8	63.0	94.6
39	59.4	47.5	71.3

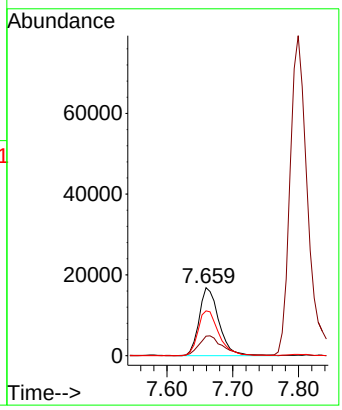




#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 88 Resp: 3505

Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.7	43.1
58	69.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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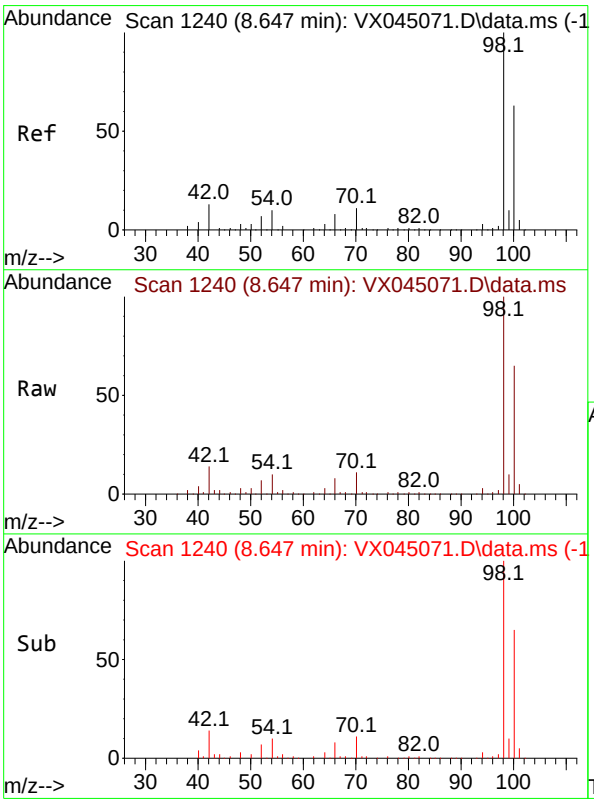
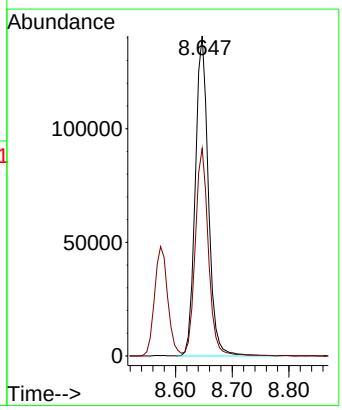
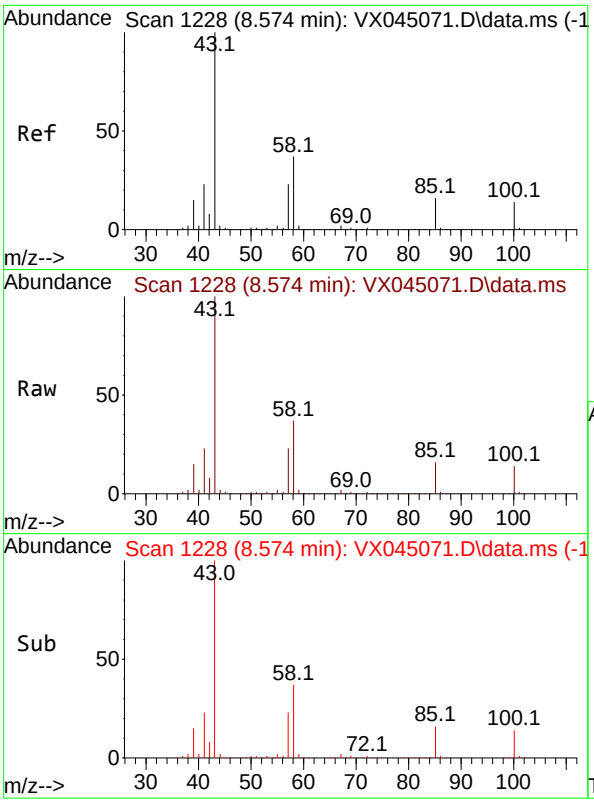


#50
Toluene-d8
Concen: 49.449 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 98 Resp: 225493

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 56873

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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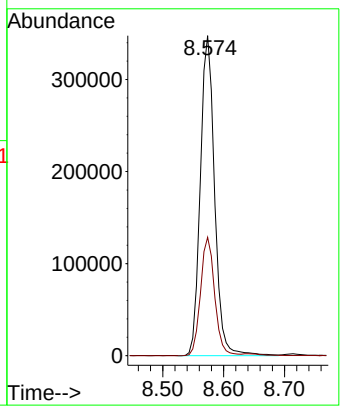
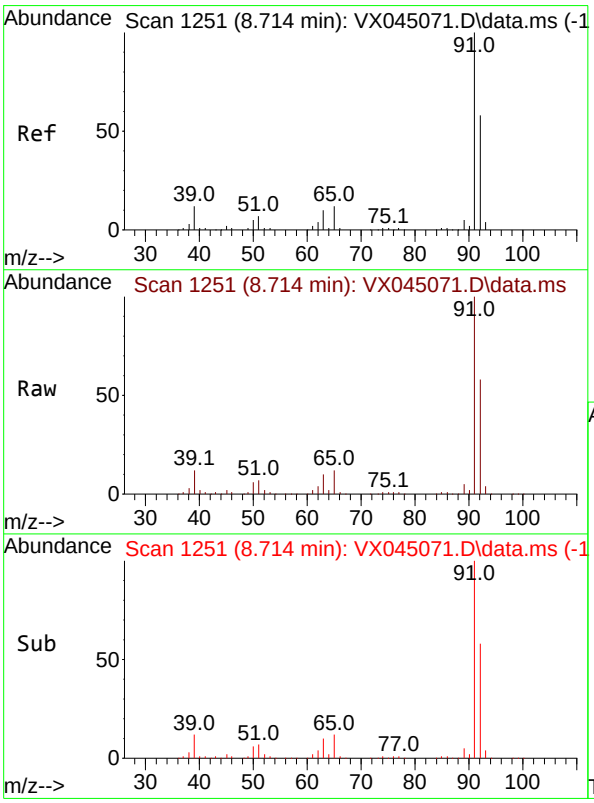
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

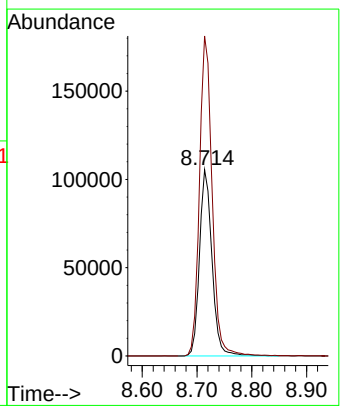


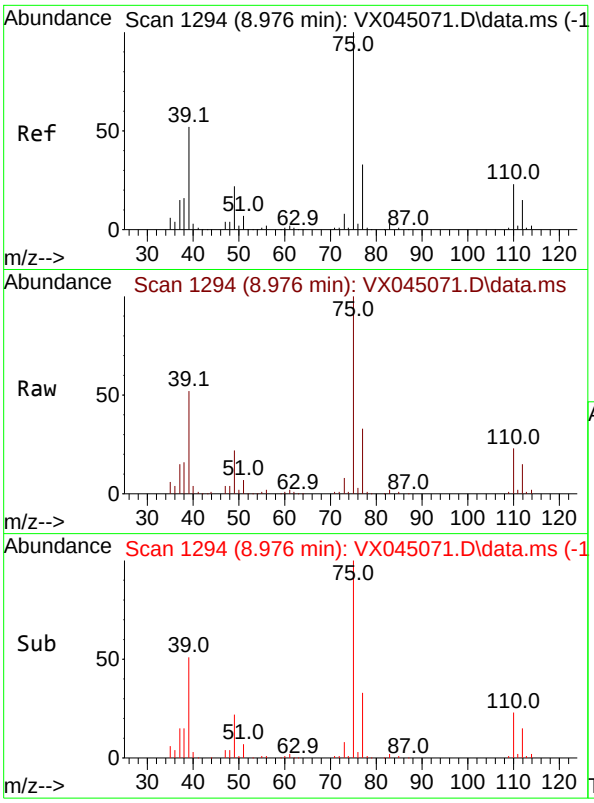


#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 92 Resp: 167431

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3

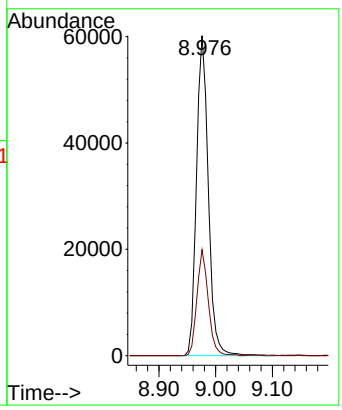




#53
t-1,3-Dichloropropene
Concen: 48.078 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 8737

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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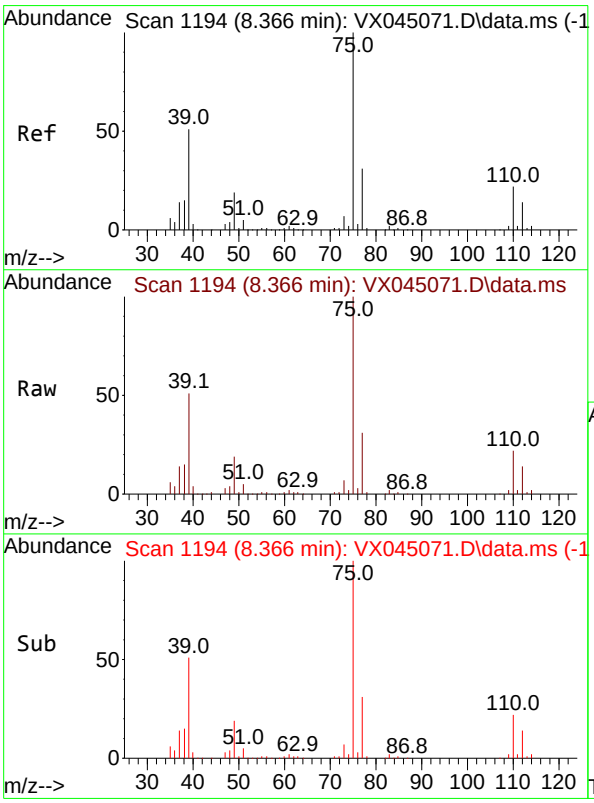
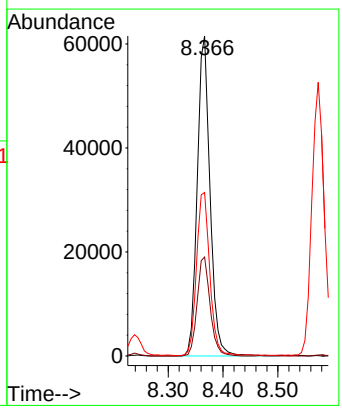
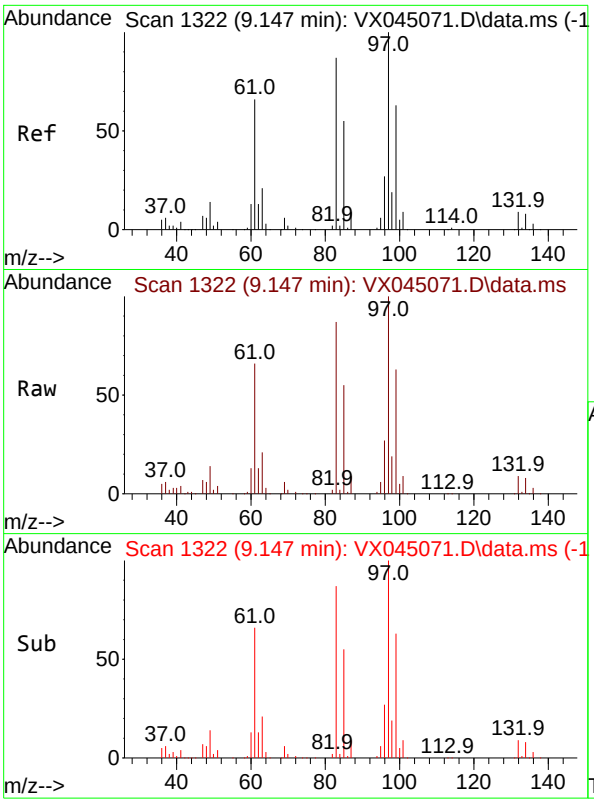


#54
cis-1,3-Dichloropropene
Concen: 49.079 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 99713

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	50.9	40.7	61.1

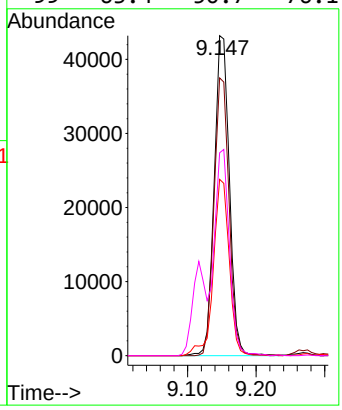




#55
1,1,2-Trichloroethane
Concen: 52.724 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 6637

Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	55.1	44.1	66.1
99	63.4	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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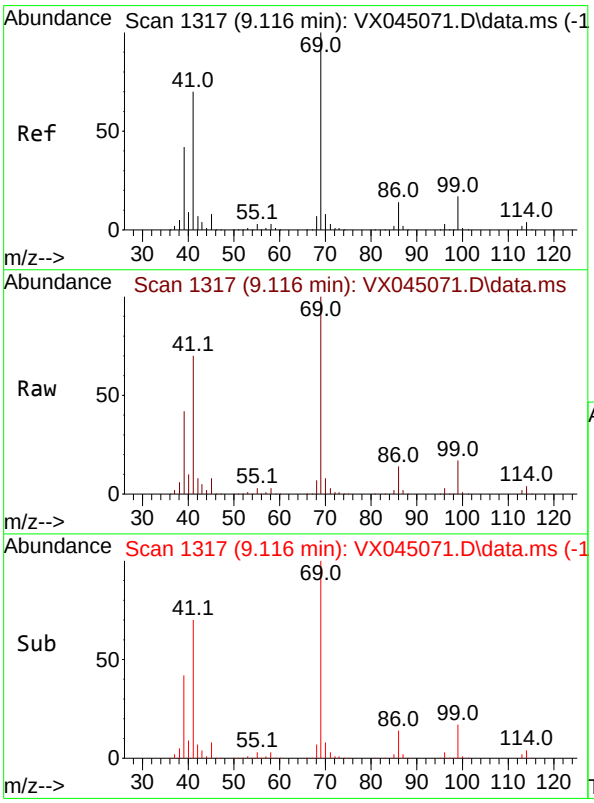
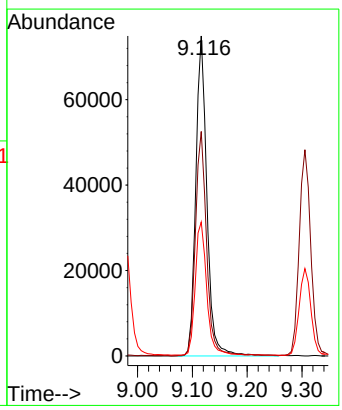
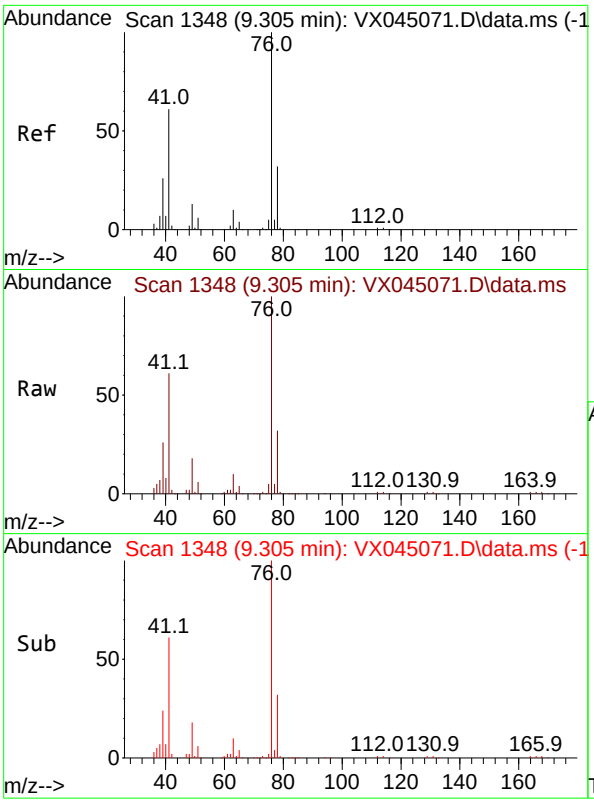


#56
Ethyl methacrylate
Concen: 52.724 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 69 Resp: 106157

Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.0	85.4
39	42.8	34.2	51.4





#57
1,3-Dichloropropane
Concen: 52.594 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 76 Resp: 11548

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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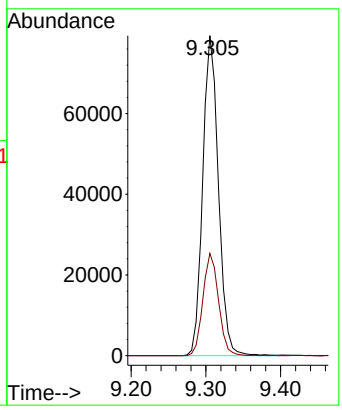
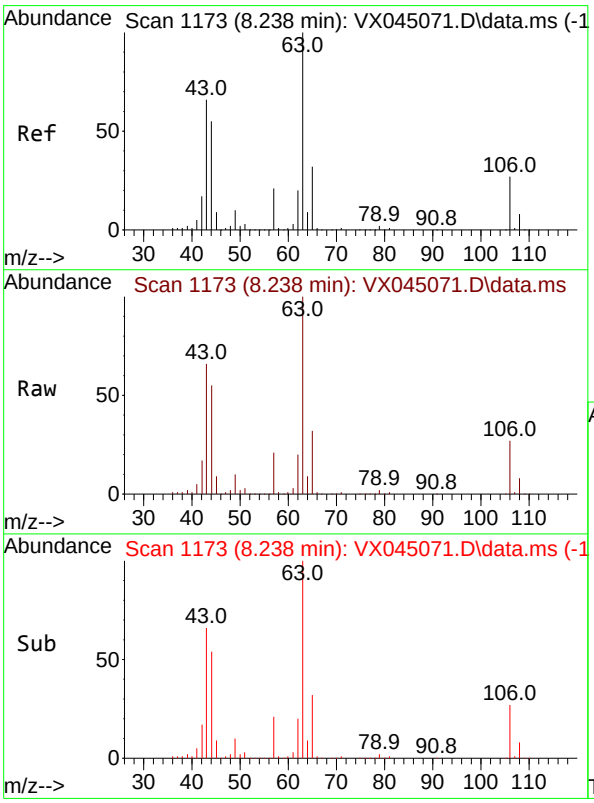
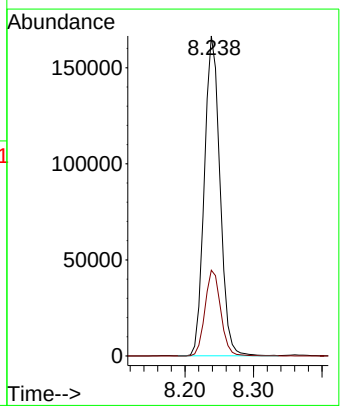


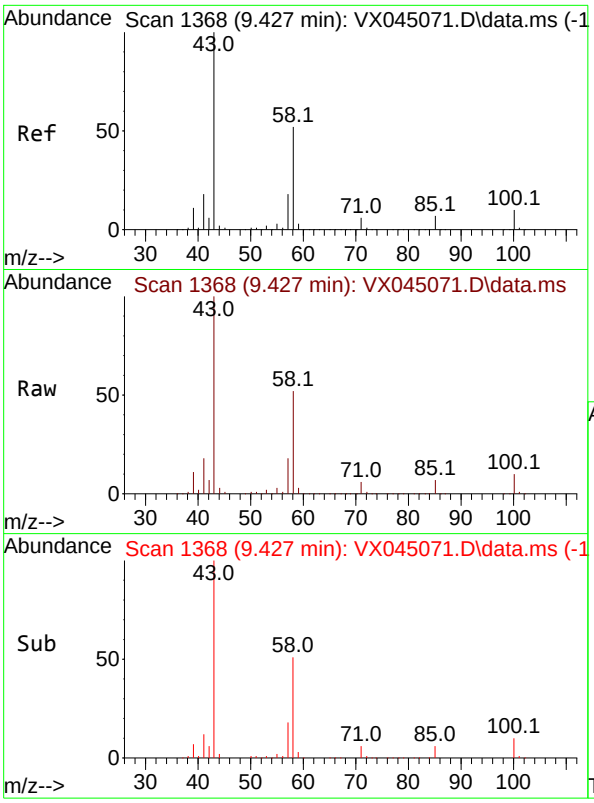


#58
2-Chloroethyl Vinyl ether
Concen: 267.612 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 264555

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3





#59
2-Hexanone
Concen: 297.362 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 41698

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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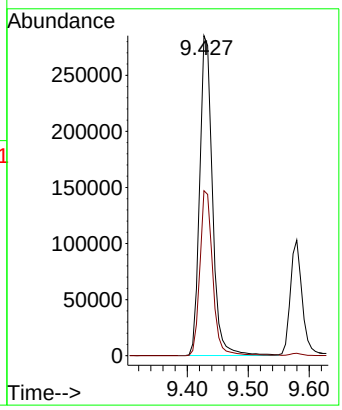
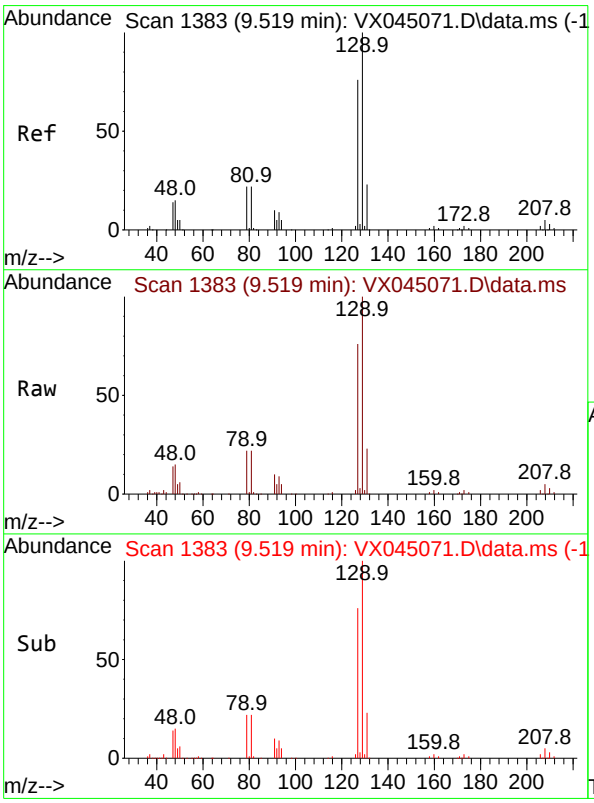
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

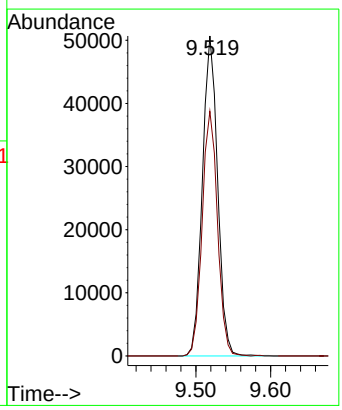


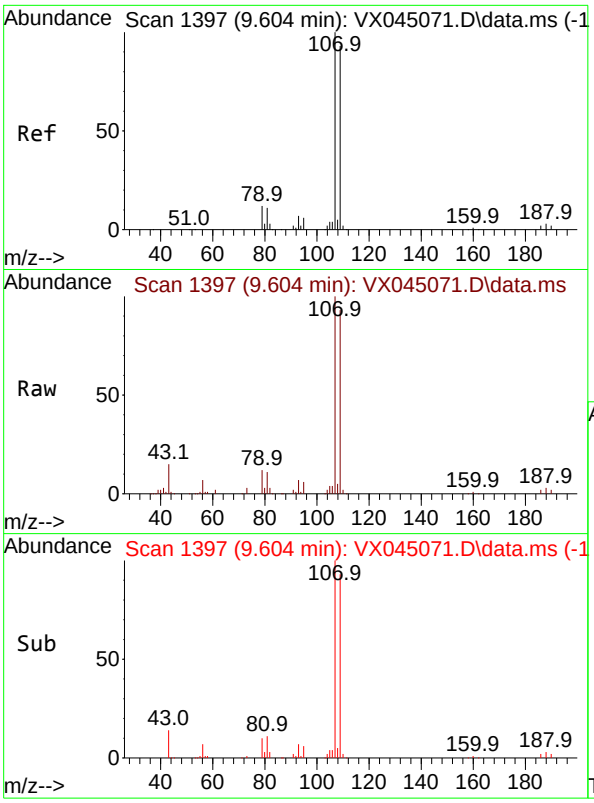


#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5

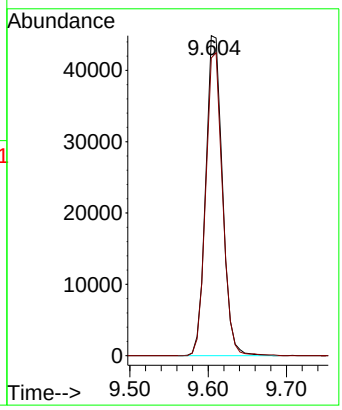




#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:107 Resp: 6631

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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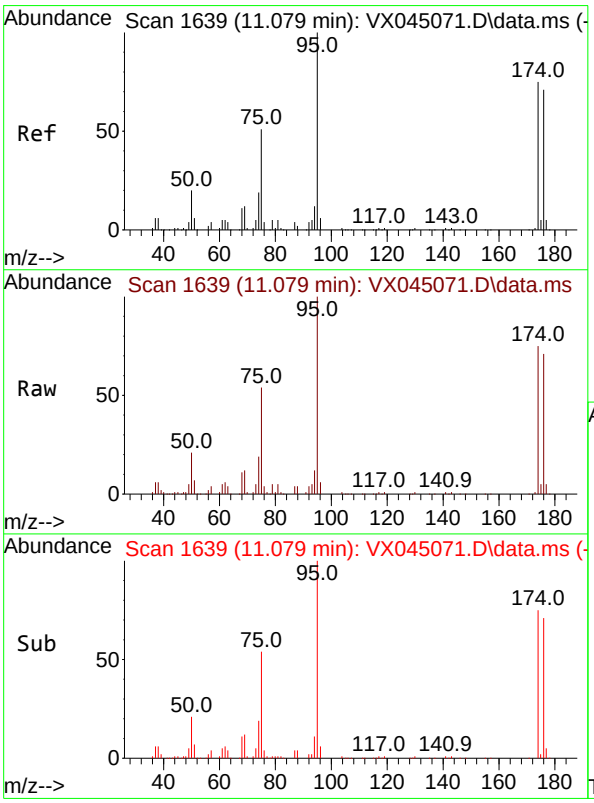
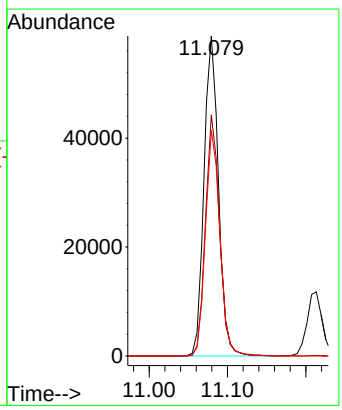
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

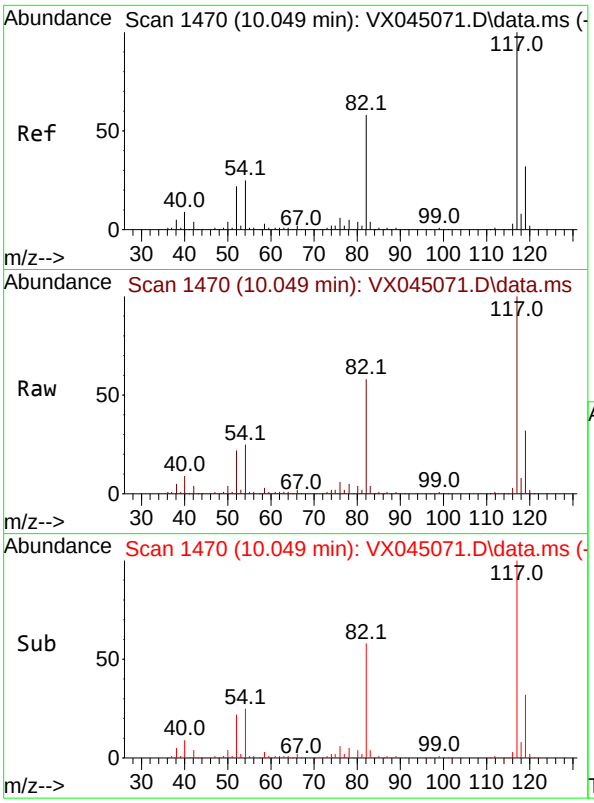


#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 95 Resp: 74945

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	148.2
176	70.7	0.0	141.4

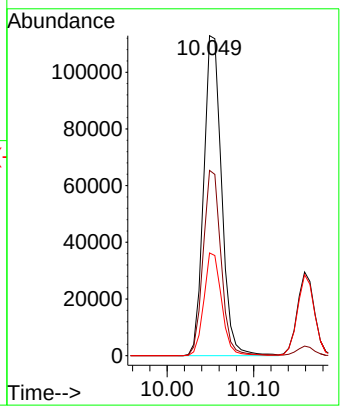




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 16207

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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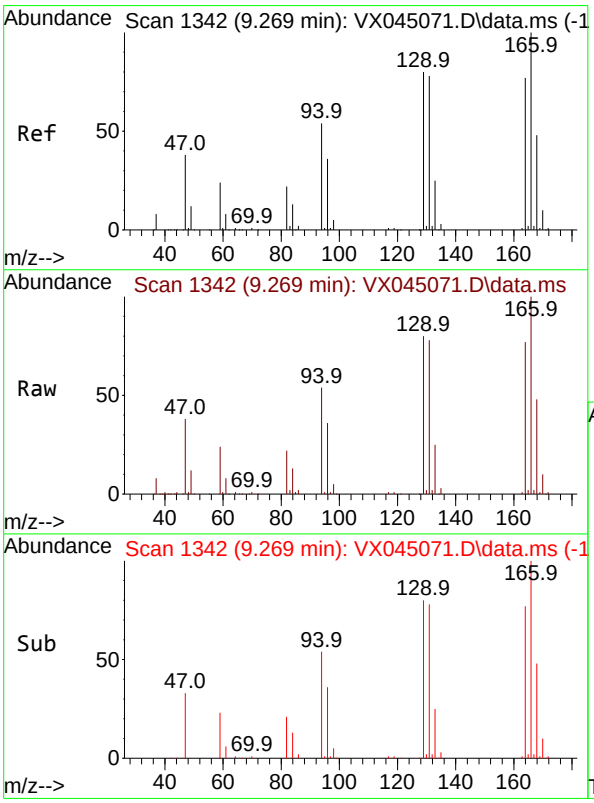
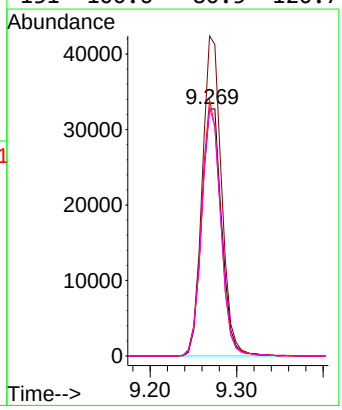
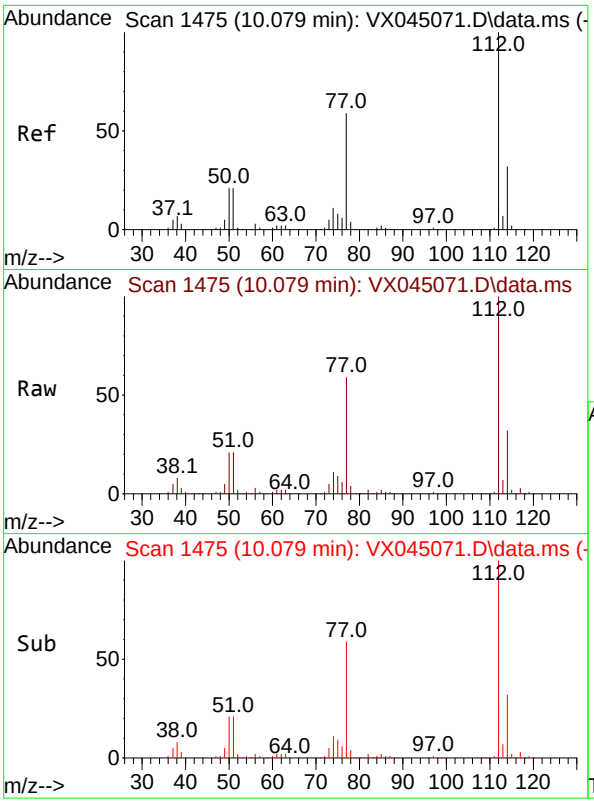


#64
Tetrachloroethene
Concen: 51.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:164 Resp: 52531

Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.6	155.4
129	103.4	82.7	124.1
131	100.6	80.5	120.7





#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:112 Resp: 17692

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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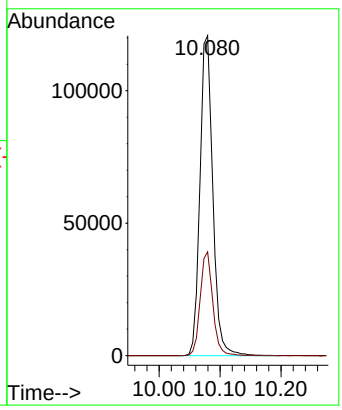
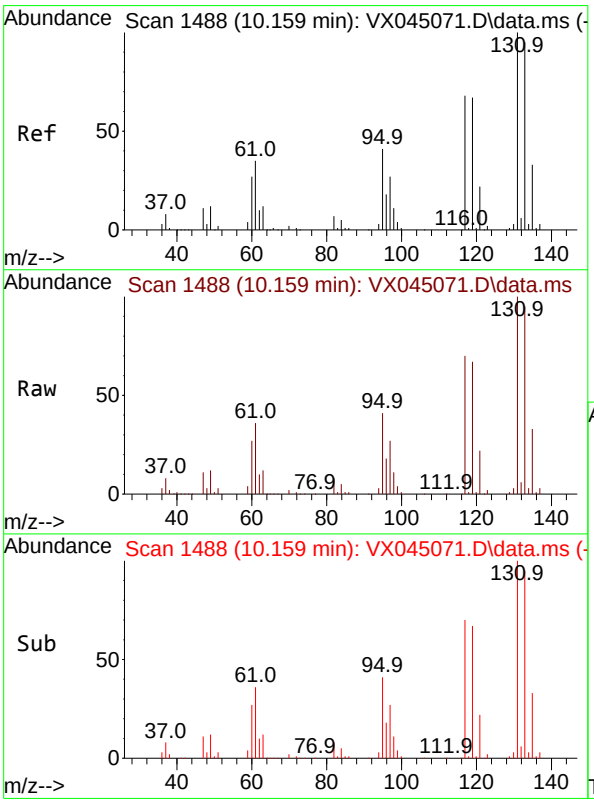
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

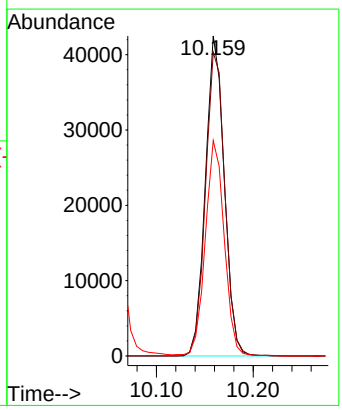


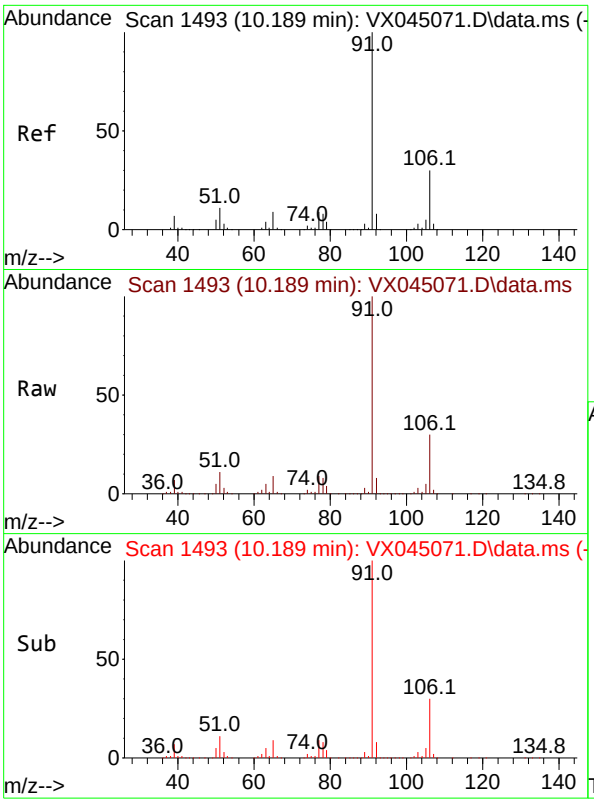


#66
1,1,1,2-Tetrachloroethane
Concen: 51.402 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:131 Resp: 57642

Ion	Ratio	Lower	Upper
131	100		
133	97.3	48.6	145.9
119	67.8	33.9	101.7





#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 31642

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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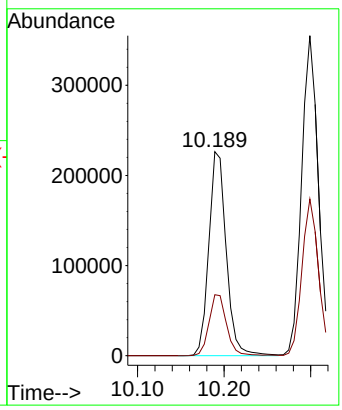
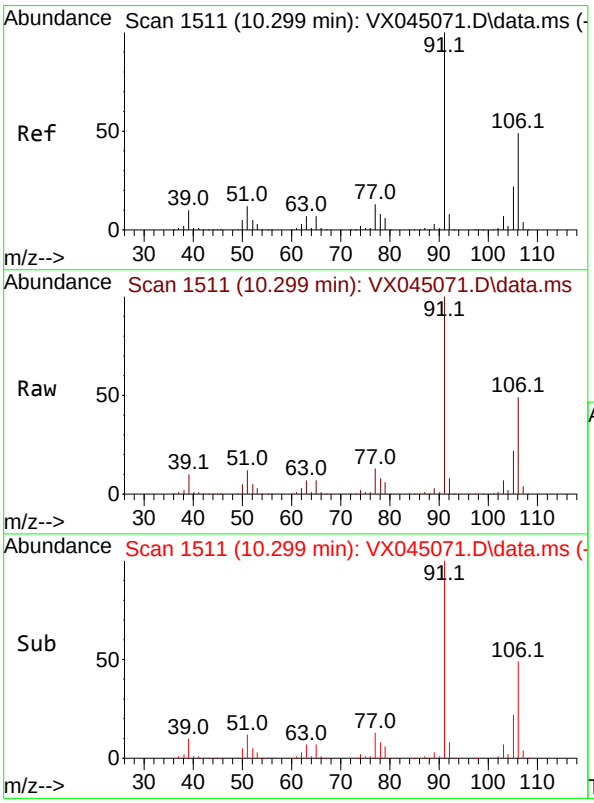
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

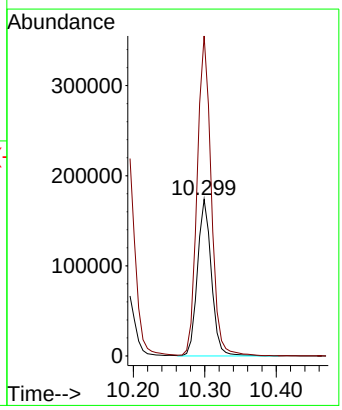


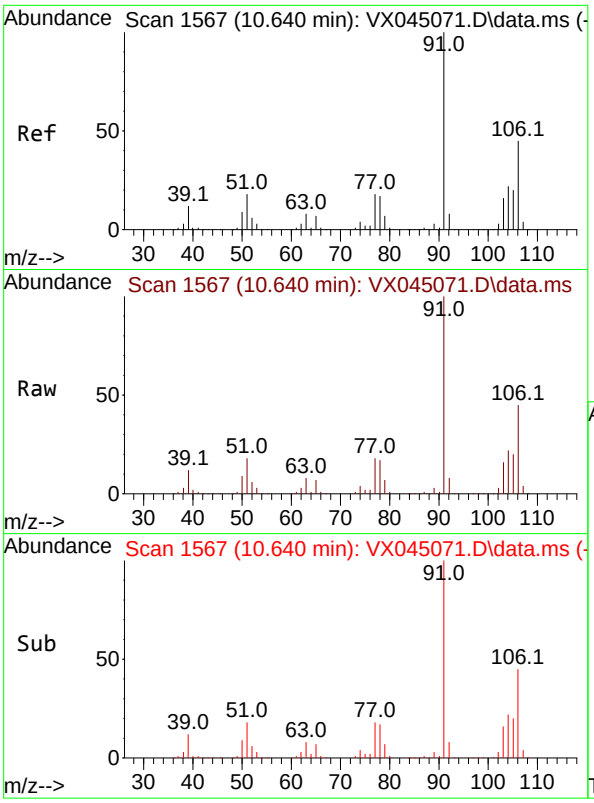


#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 234554

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.4	248.0

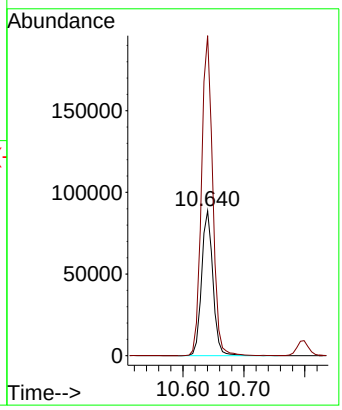




#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 11444

Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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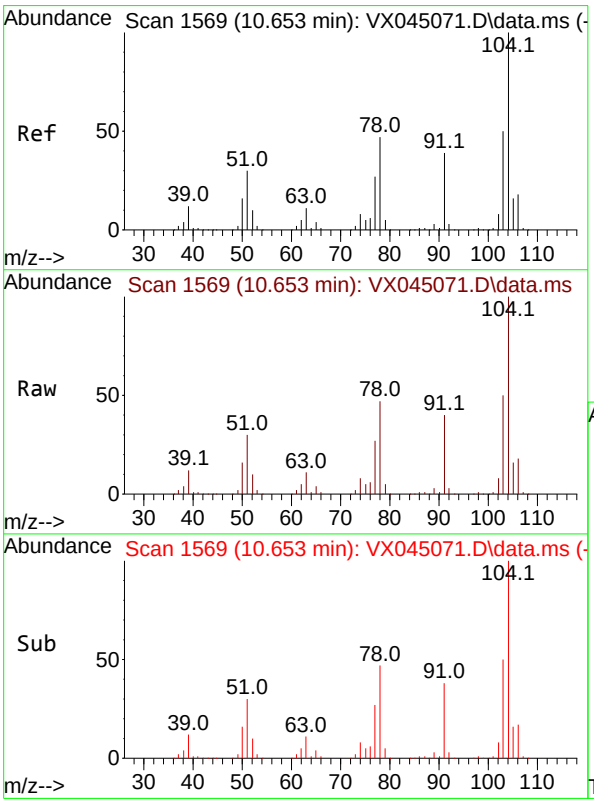
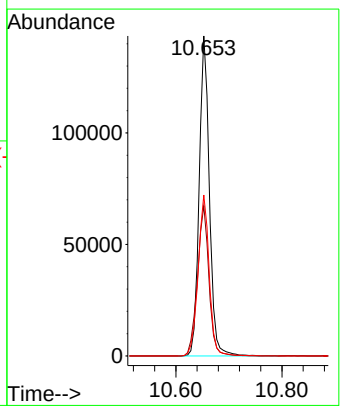
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

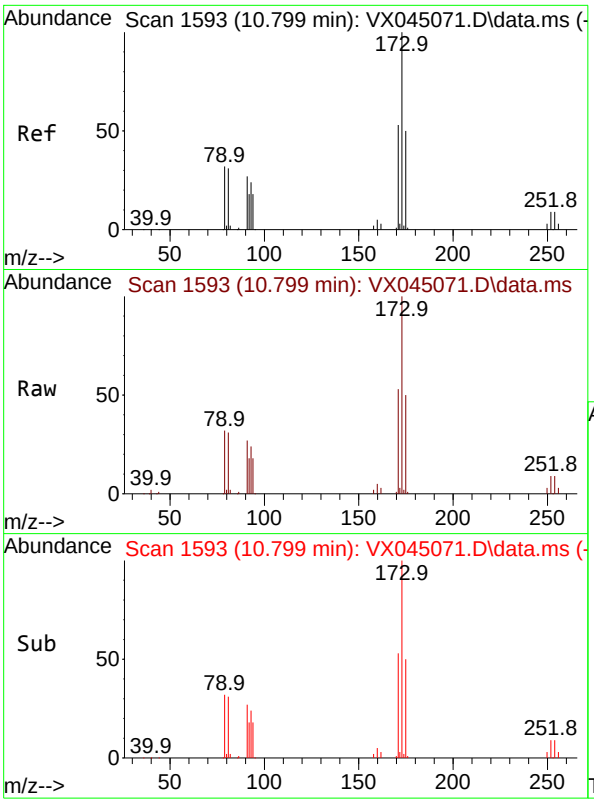


#70
Styrene
Concen: 52.387 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:104 Resp: 191406

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	54.8	43.8	65.8

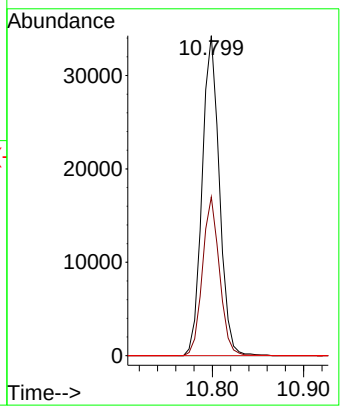




#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:173 Resp: 4473

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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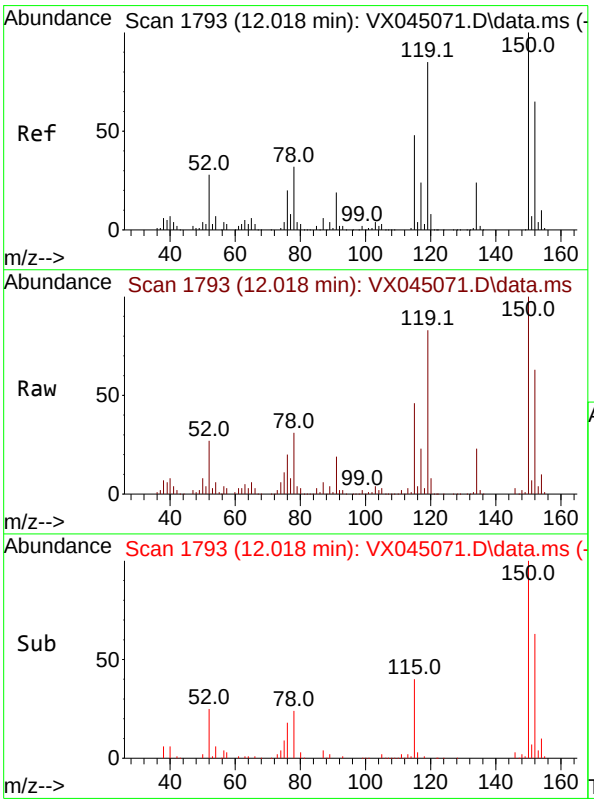
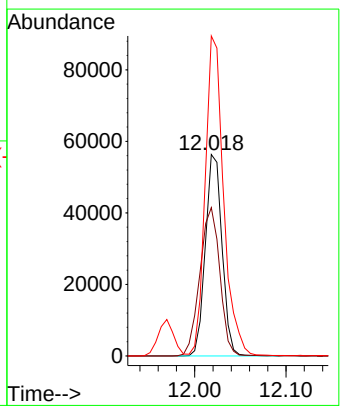
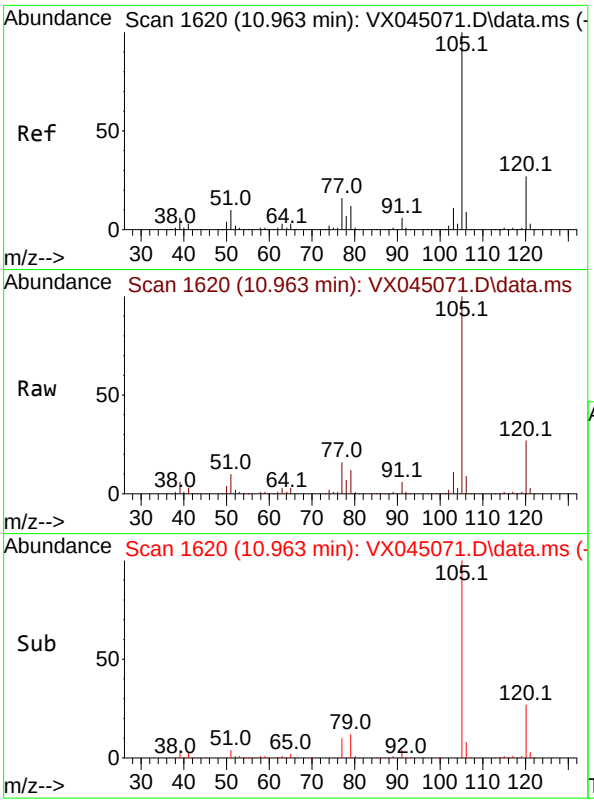


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:152 Resp: 71264

Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.2	132.6
150	174.5	0.0	349.0

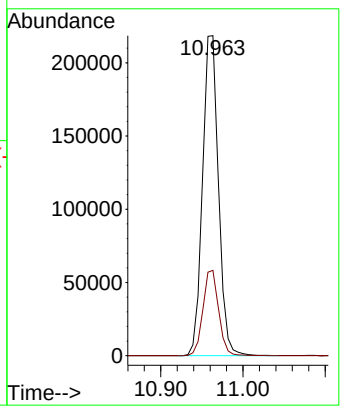




#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 29469

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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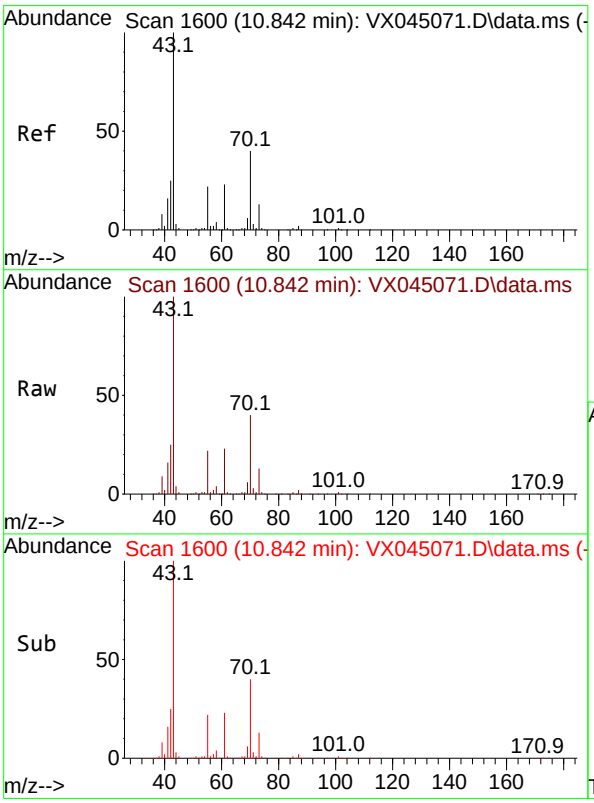
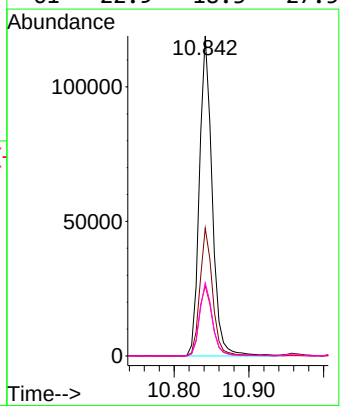
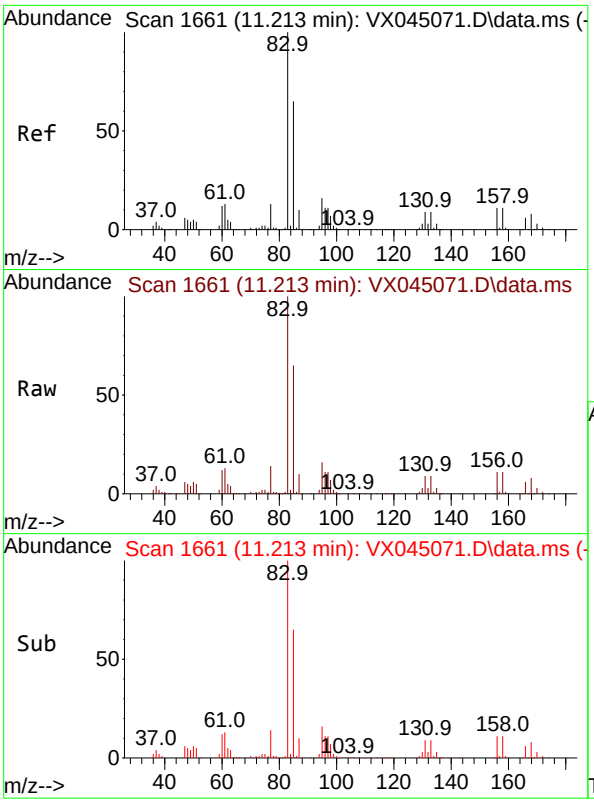


#74
N-amyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 140869

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.8	47.6
55	22.9	18.3	27.5
61	22.9	18.3	27.5

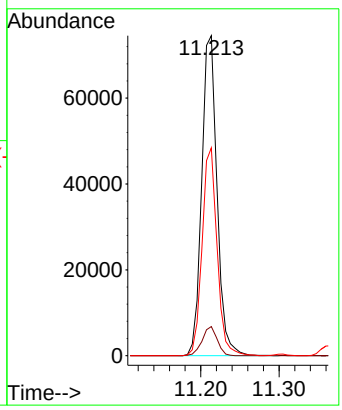




#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 10108

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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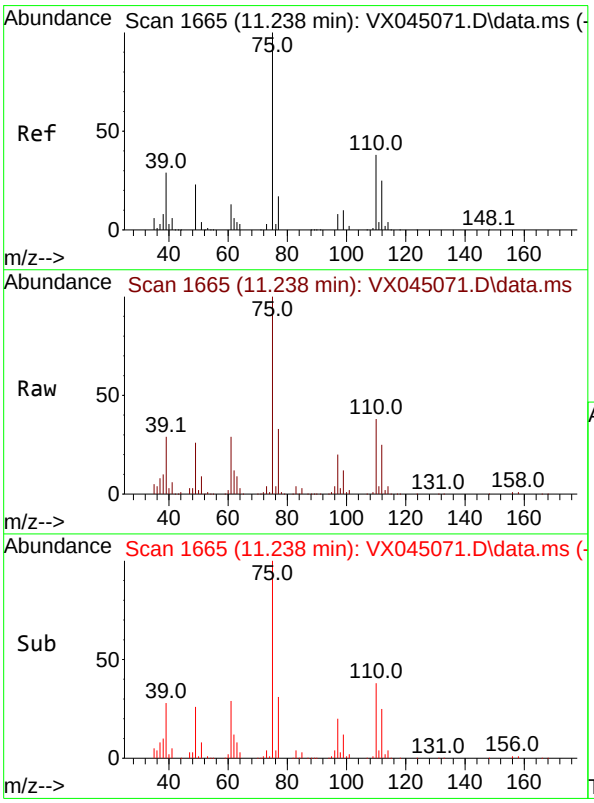
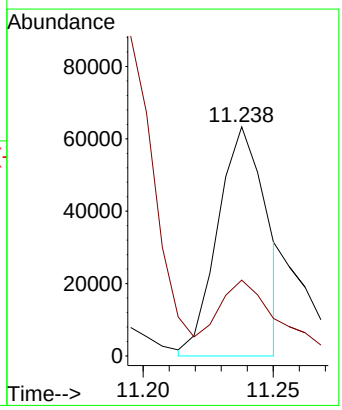
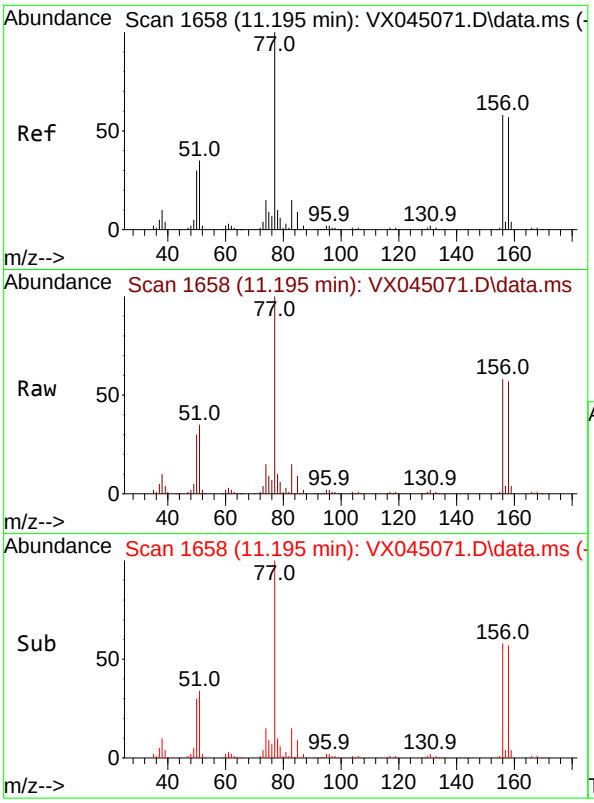


#76
1,2,3-Trichloropropane
Concen: 51.421 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 81743

Ion	Ratio	Lower	Upper
75	100		
77	41.4	20.7	62.1





#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

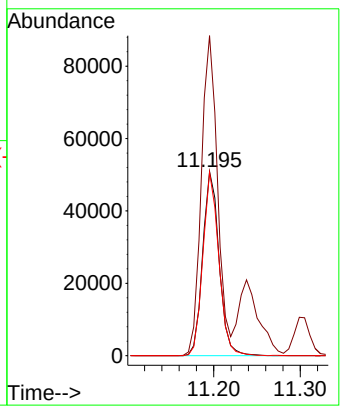
Tgt Ion:156 Resp: 6690

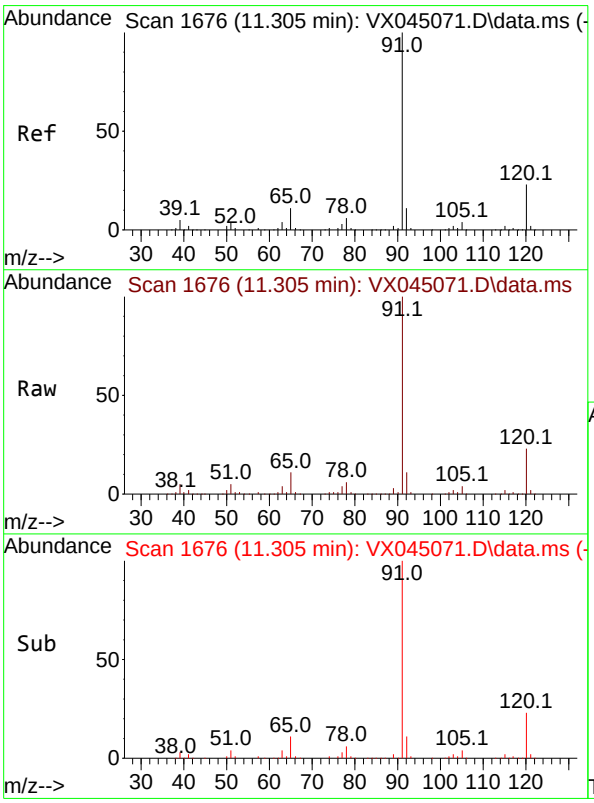
Ion	Ratio	Lower	Upper
156	100		
77	171.6	85.8	257.4
158	96.8	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

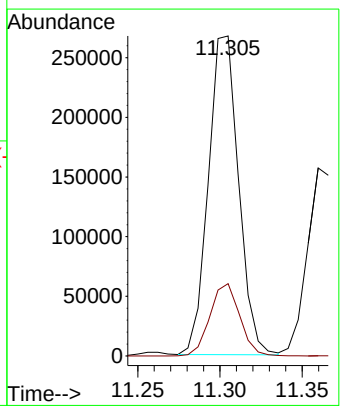


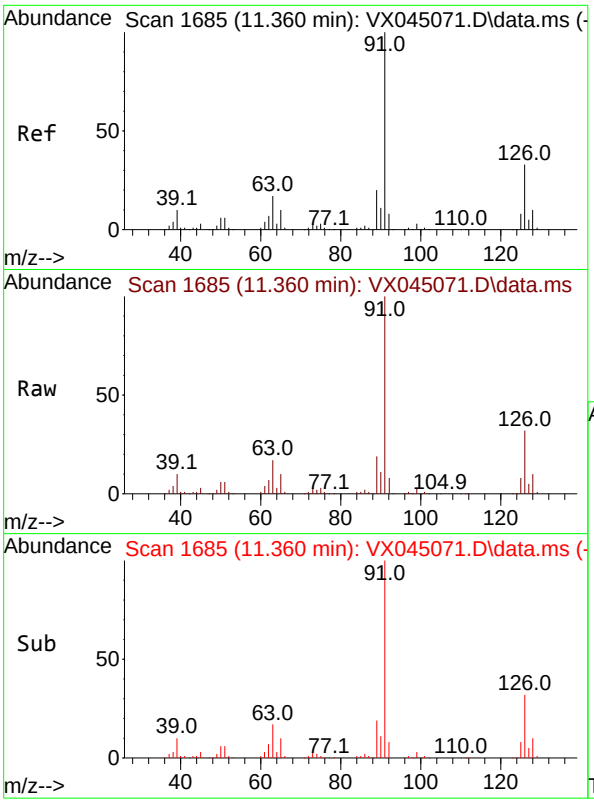


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 342399

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6





#79
2-Chlorotoluene
Concen: 50.154 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 20448

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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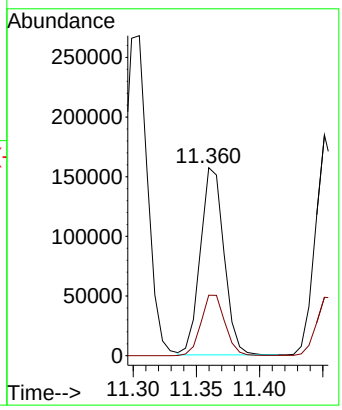
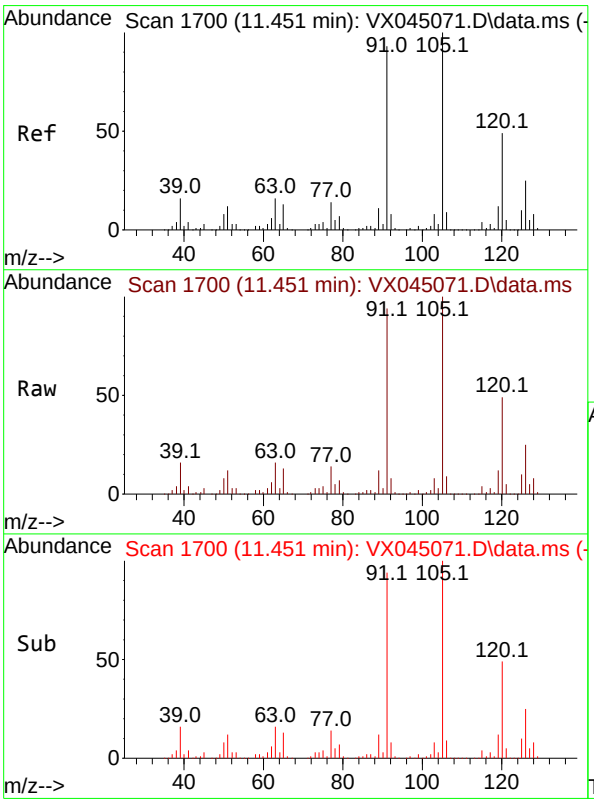
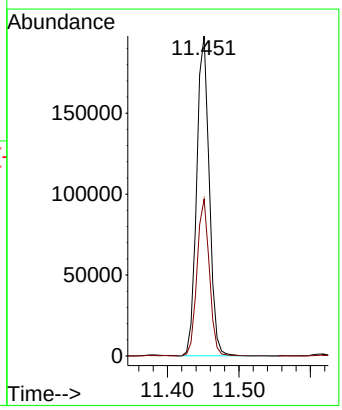


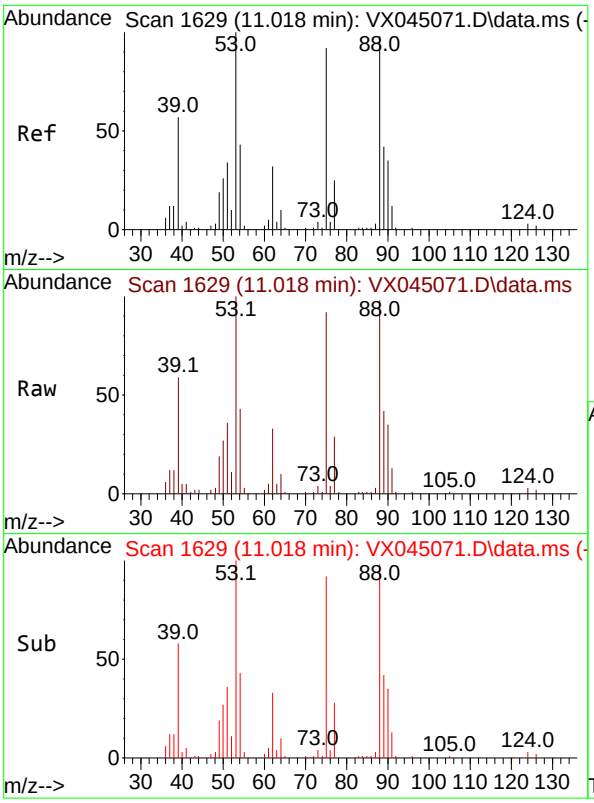


#80
1,3,5-Trimethylbenzene
Concen: 51.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 241129

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 2413

Ion	Ratio	Lower	Upper
75	100		
53	110.6	88.5	132.7
89	45.3	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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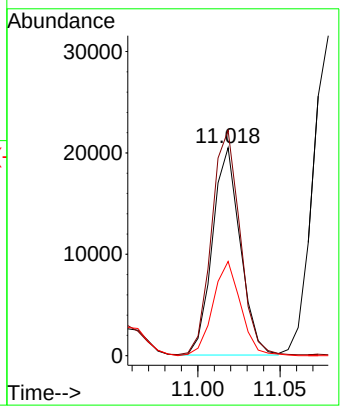
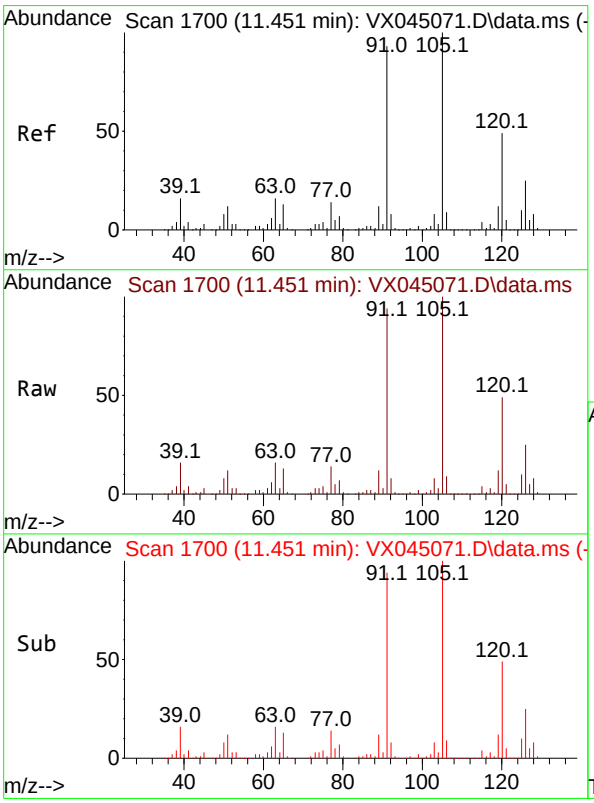
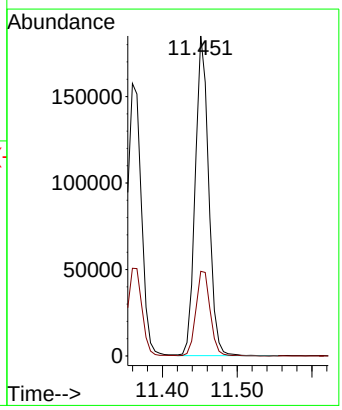


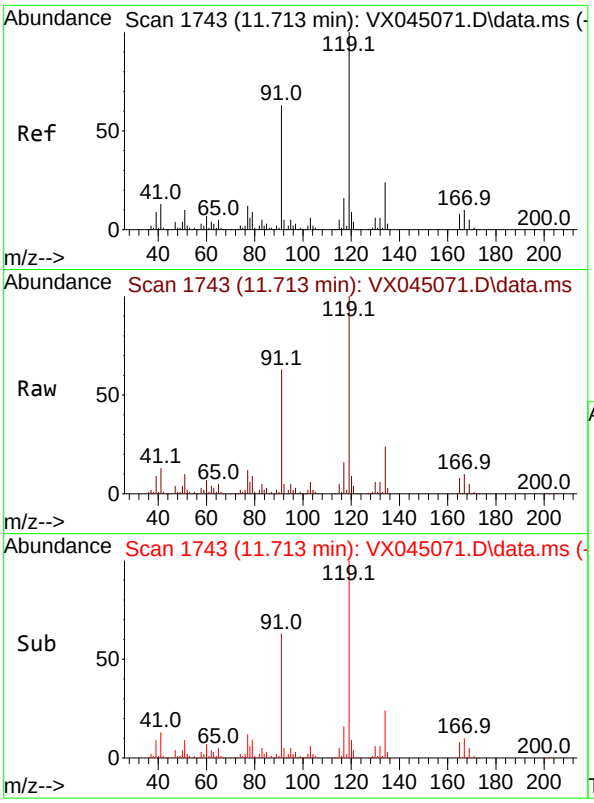


#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 230493

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

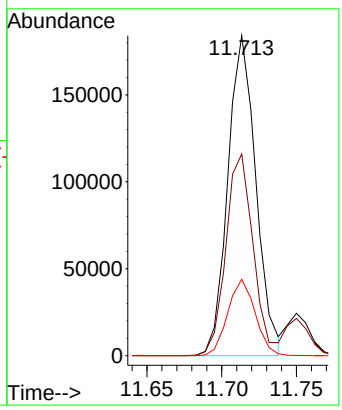




#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 24051

Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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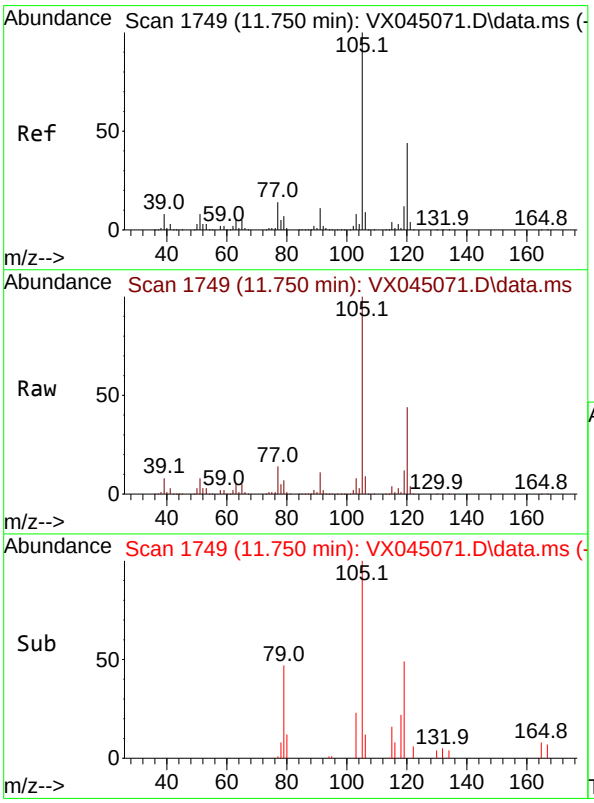
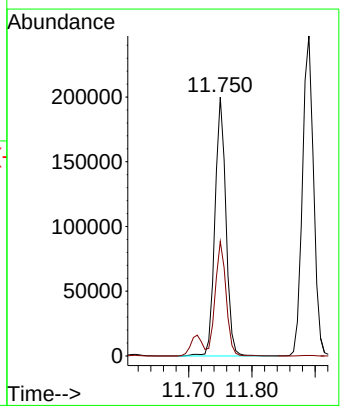
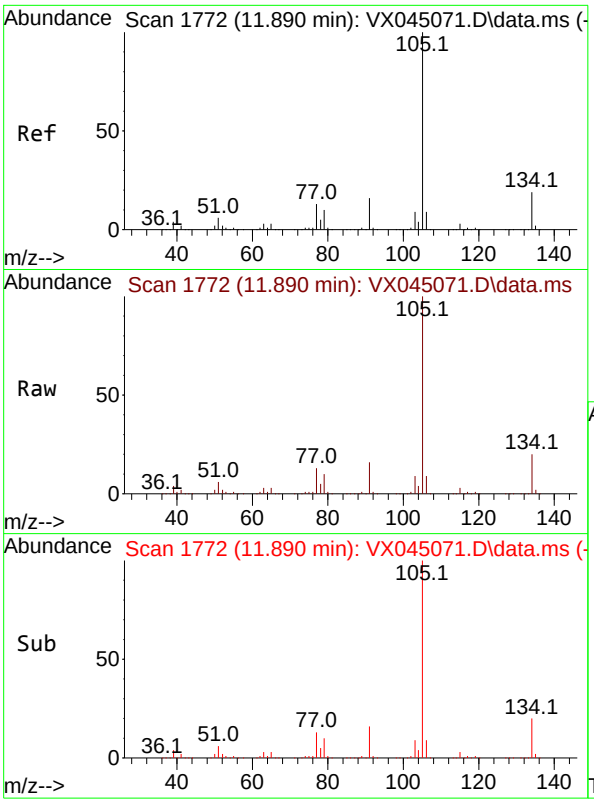


#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 240719

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1





#85
sec-Butylbenzene
Concen: 51.353 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 30039

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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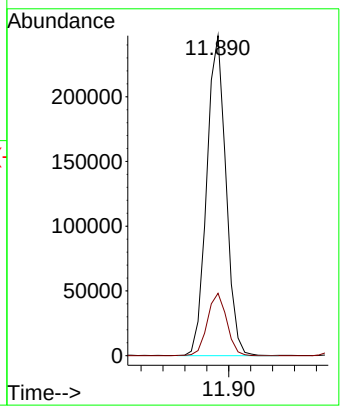
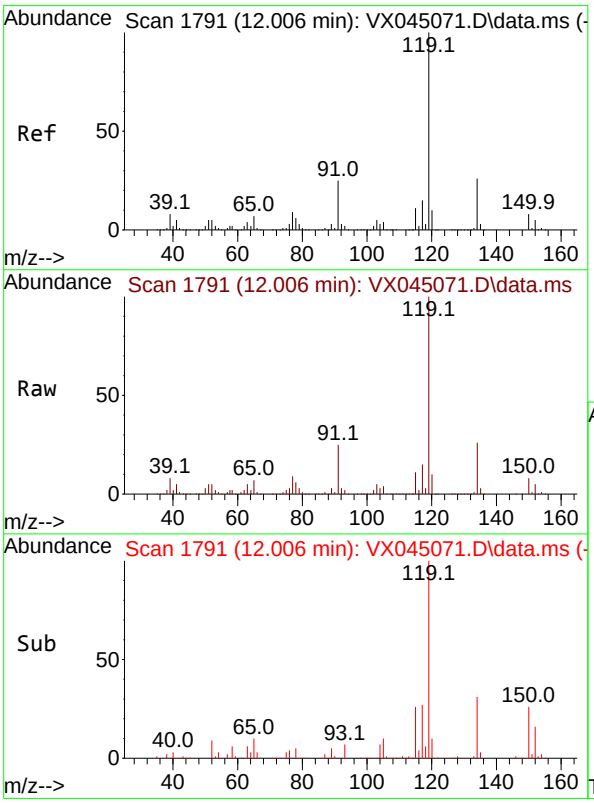
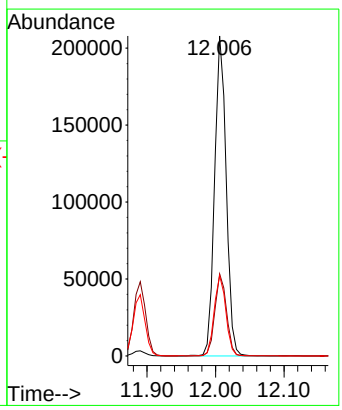


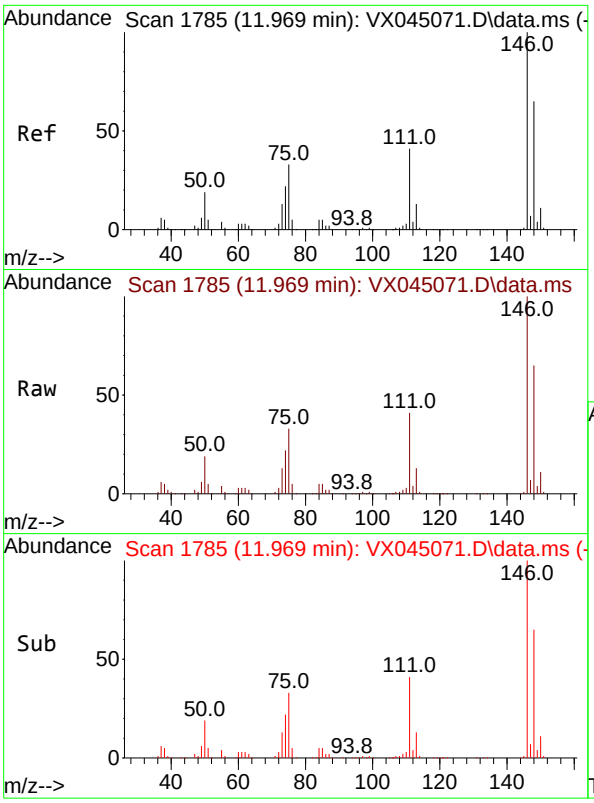


#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 244031

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.3	12.7	38.0





#87
1,3-Dichlorobenzene
Concen: 49.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

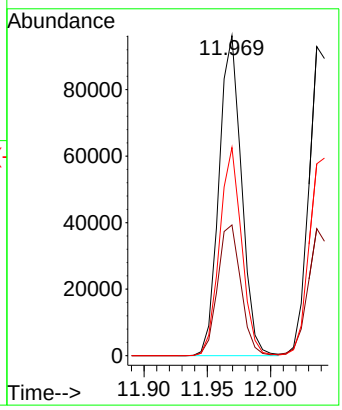
Tgt Ion:146 Resp: 11887

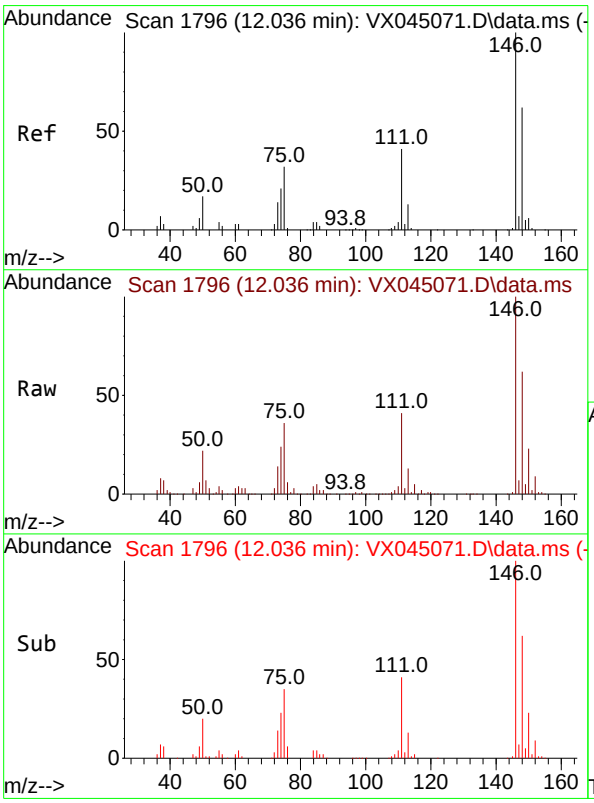
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

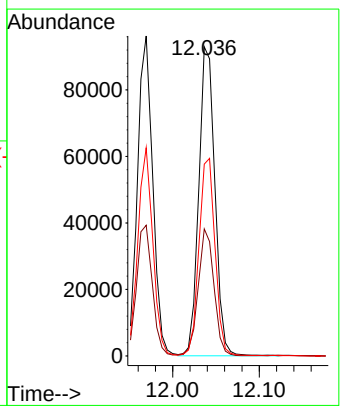


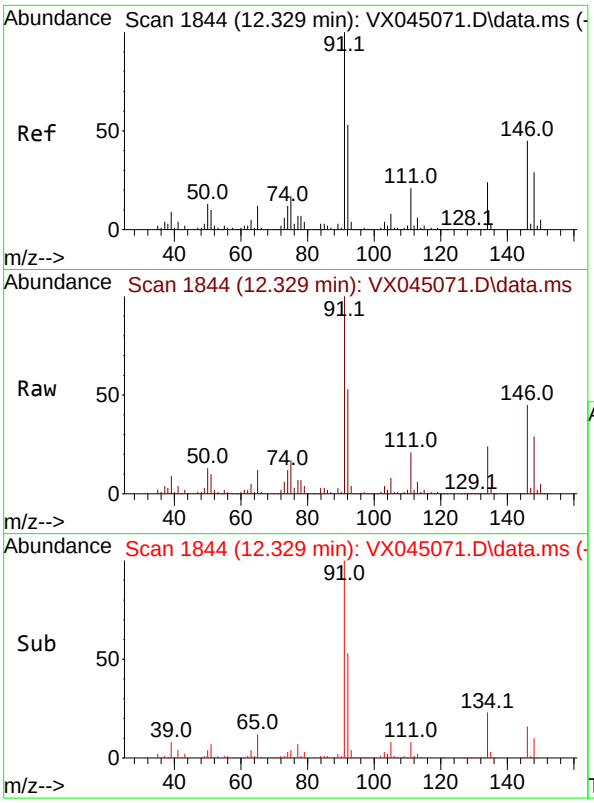


#88
1,4-Dichlorobenzene
Concen: 49.694 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 120217

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	63.9	31.9	95.9

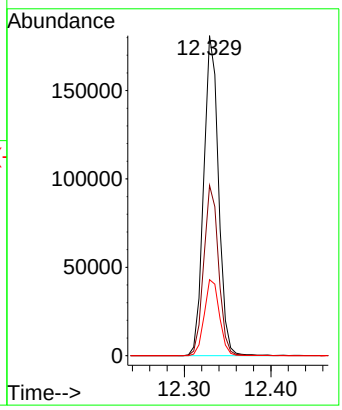




#89
n-Butylbenzene
Concen: 52.006 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 21468

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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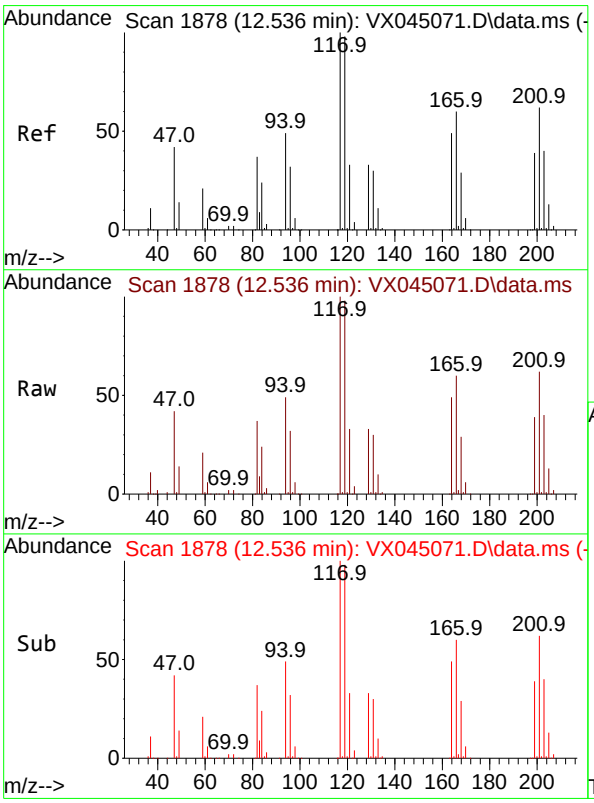
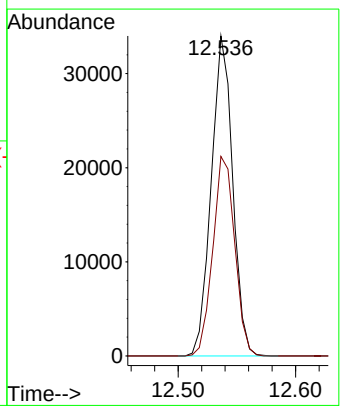
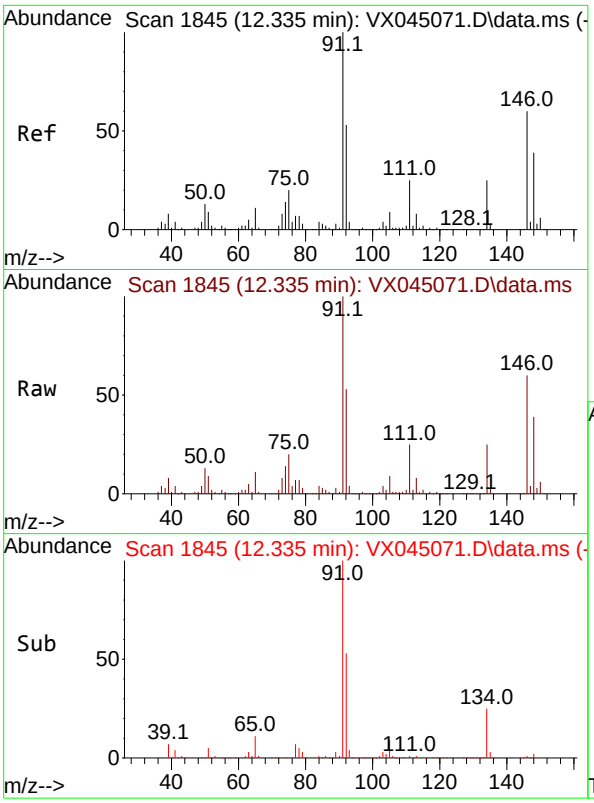


#90
Hexachloroethane
Concen: 49.188 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
201	63.9	31.9	95.9

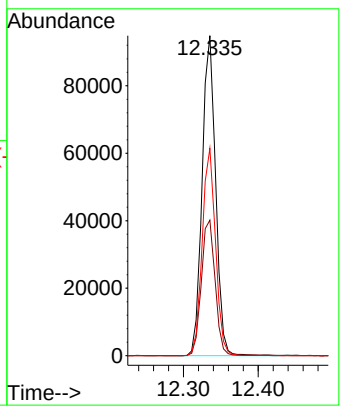




#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 11889

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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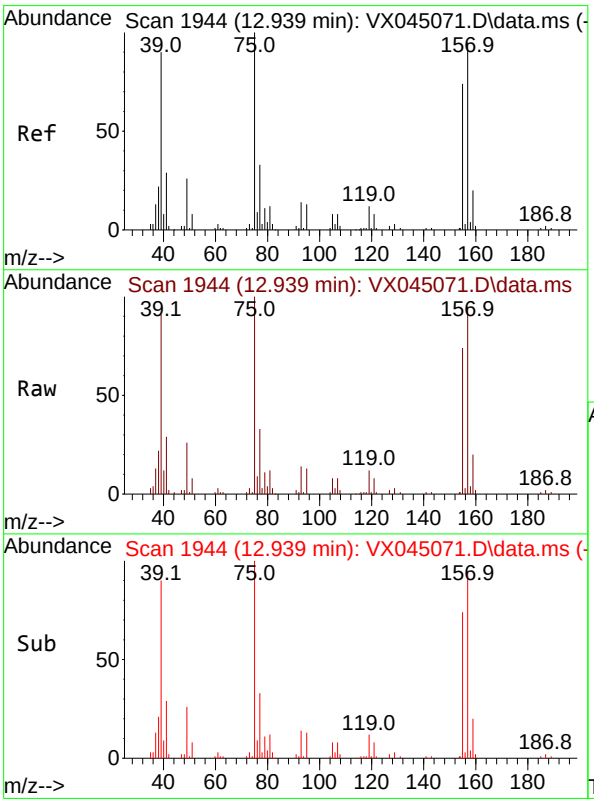
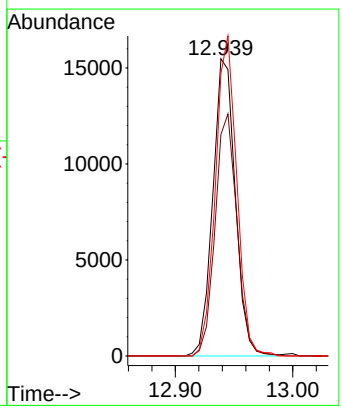
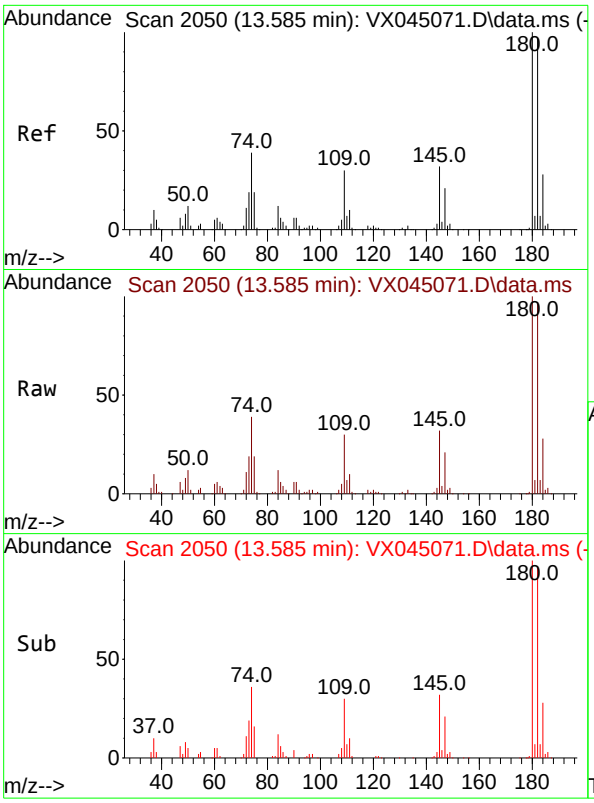


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 20610

Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.6	118.7
157	102.3	51.1	153.4





#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 7189

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.6	16.3	48.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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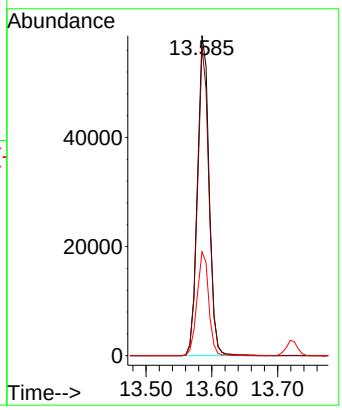
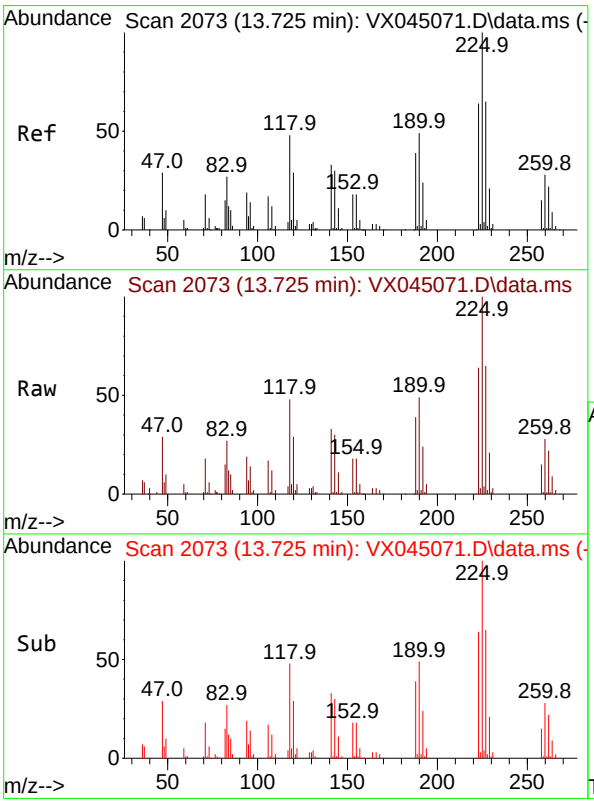
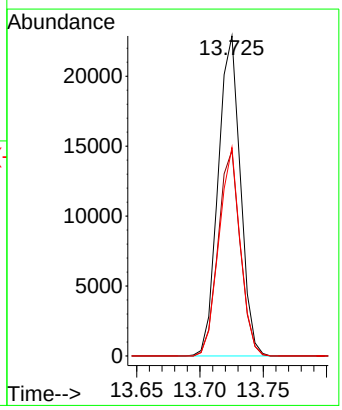


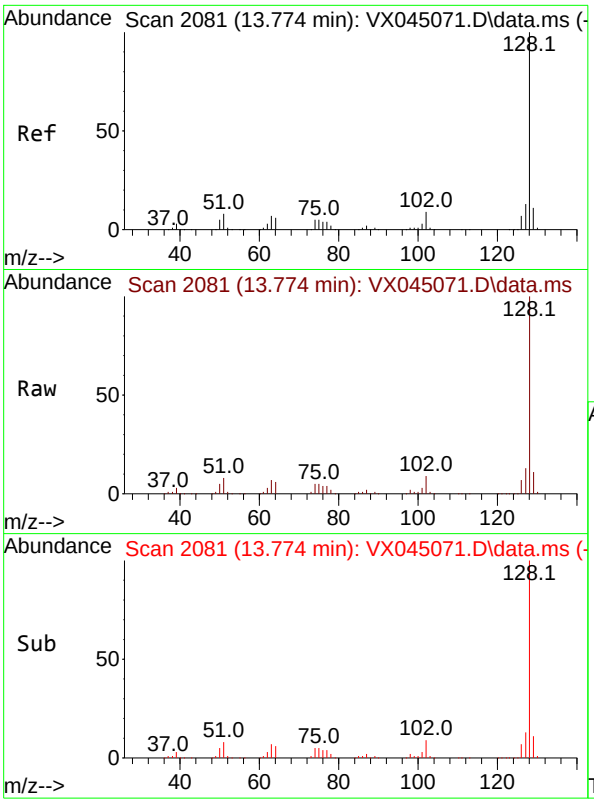


#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:225 Resp: 27916

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	62.7	31.4	94.0

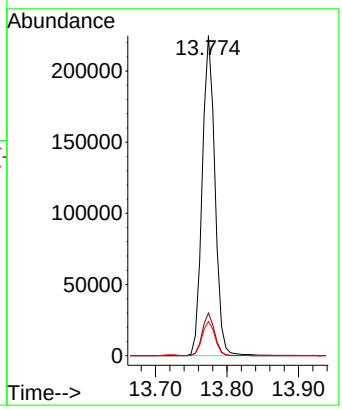




#95
Naphthalene
Concen: 53.700 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:128 Resp: 27808

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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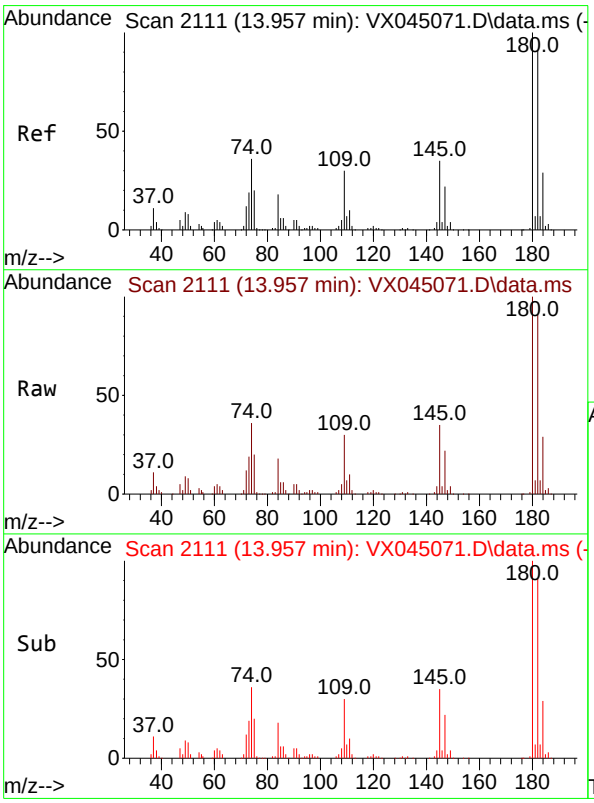
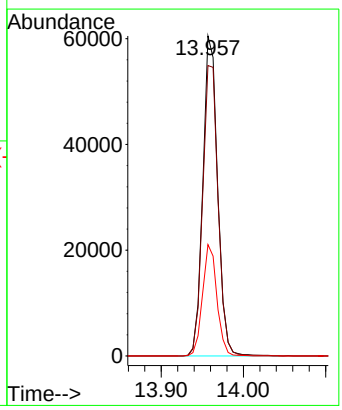
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.406 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 75482

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	33.9	17.0	50.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158452	106.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 212.020%#			
35) Dibromofluoromethane	5.385	113	123185	104.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 208.220%#			
50) Toluene-d8	8.647	98	441188	99.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.200%#			
62) 4-Bromofluorobenzene	11.079	95	148476	100.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	126718	90.869	ug/l	95
3) Chloromethane	1.306	50	145825	85.936	ug/l	98
4) Vinyl Chloride	1.373	62	154734	93.360	ug/l	96
5) Bromomethane	1.593	94	57503	110.980	ug/l	97
6) Chloroethane	1.660	64	60155	95.351	ug/l	97
7) Trichlorofluoromethane	1.861	101	198701	93.594	ug/l	99
8) Diethyl Ether	2.135	74	78263	101.441	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	120518	95.064	ug/l	98
10) Methyl Iodide	2.440	142	153466	94.425	ug/l	99
11) Tert butyl alcohol	3.001	59	135016	493.141	ug/l	98
12) 1,1-Dichloroethene	2.306	96	125436	96.366	ug/l	98
13) Acrolein	2.239	56	180411	608.485	ug/l	99
14) Allyl chloride	2.654	41	220783	94.344	ug/l	98
15) Acrylonitrile	3.068	53	391946	526.749	ug/l	100
16) Acetone	2.392	43	348698	566.991	ug/l	99
17) Carbon Disulfide	2.495	76	345572	97.574	ug/l	98
18) Methyl Acetate	2.709	43	175784	94.899	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	431413	103.661	ug/l	100
20) Methylene Chloride	2.782	84	140388	96.381	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	128232	100.164	ug/l	98
22) Diisopropyl ether	3.763	45	467534	104.489	ug/l	98
23) Vinyl Acetate	3.721	43	2035880	554.219	ug/l	99
24) 1,1-Dichloroethane	3.605	63	257023	102.805	ug/l	100
25) 2-Butanone	4.562	43	559182	563.952	ug/l	99
26) 2,2-Dichloropropane	4.470	77	124805	67.148	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	155193	100.568	ug/l	99
28) Bromochloromethane	4.897	49	113848	94.428	ug/l	98
29) Tetrahydrofuran	5.007	42	365565	556.465	ug/l	100
30) Chloroform	5.092	83	248978	101.814	ug/l	97
31) Cyclohexane	5.464	56	231082	100.711	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	211302	102.638	ug/l	99
36) 1,1-Dichloropropene	5.690	75	172295	101.258	ug/l	99
37) Ethyl Acetate	4.720	43	220327	113.796	ug/l	99
38) Carbon Tetrachloride	5.671	117	177219	105.940	ug/l	97
39) Methylcyclohexane	7.372	83	219856	101.175	ug/l	99
40) Benzene	6.031	78	541974	101.908	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	120186	116.205	ug/l		98
42) 1,2-Dichloroethane	6.086	62	189857	110.158	ug/l		99
43) Isopropyl Acetate	6.342	43	338414	109.806	ug/l		99
44) Trichloroethene	7.122	130	128124	105.402	ug/l		96
45) 1,2-Dichloropropane	7.427	63	135997	102.898	ug/l		100
46) Dibromomethane	7.580	93	97248	105.329	ug/l		99
47) Bromodichloromethane	7.817	83	191016	106.947	ug/l		97
48) Methyl methacrylate	7.695	41	165825	113.344	ug/l		99
49) 1,4-Dioxane	7.665	88	66308	2132.314	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	1048140	555.050	ug/l		99
52) Toluene	8.714	92	316349	100.178	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	177352	100.462	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	200943	101.815	ug/l		98
55) 1,1,2-Trichloroethane	9.146	97	123426	100.920	ug/l		99
56) Ethyl methacrylate	9.116	69	208782	106.744	ug/l		100
57) 1,3-Dichloropropane	9.305	76	216267	101.387	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	494551	514.987	ug/l		99
59) 2-Hexanone	9.433	43	779492	572.233	ug/l		99
60) Dibromochloromethane	9.518	129	139245	106.719	ug/l		99
61) 1,2-Dibromoethane	9.610	107	128617	104.259	ug/l		99
64) Tetrachloroethene	9.268	164	99386	103.491	ug/l		98
65) Chlorobenzene	10.079	112	332473	102.456	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	112451	107.511	ug/l		96
67) Ethyl Benzene	10.189	91	596257	103.905	ug/l		100
68) m/p-Xylenes	10.299	106	432214	204.507	ug/l		99
69) o-Xylene	10.640	106	213835	100.849	ug/l		99
70) Styrene	10.652	104	357649	104.948	ug/l		99
71) Bromoform	10.799	173	90800	116.751	ug/l	#	99
73) Isopropylbenzene	10.963	105	553533	99.138	ug/l		99
74) N-amyl acetate	10.841	43	287104	113.277	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	192217	99.923	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	156259m	101.395	ug/l		
77) Bromobenzene	11.195	156	125700	99.175	ug/l		97
78) n-propylbenzene	11.305	91	648835	100.758	ug/l		99
79) 2-Chlorotoluene	11.359	91	382703	96.825	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	445466	98.356	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	51975	91.460	ug/l		99
82) 4-Chlorotoluene	11.451	91	433881	99.168	ug/l		100
83) tert-Butylbenzene	11.713	119	454859	99.288	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	450108	100.926	ug/l		99
85) sec-Butylbenzene	11.890	105	570006	100.517	ug/l		100
86) p-Isopropyltoluene	12.006	119	465512	102.252	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	231440	99.903	ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	230663	98.355	ug/l		99
89) n-Butylbenzene	12.329	91	428209	107.000	ug/l		99
90) Hexachloroethane	12.536	117	87448	102.980	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	233125	102.254	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41402	116.296	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	148368	107.648	ug/l		99
94) Hexachlorobutadiene	13.725	225	56065	102.019	ug/l		99
95) Naphthalene	13.774	128	565250	112.593	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	152970	109.554	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

ICAL Form

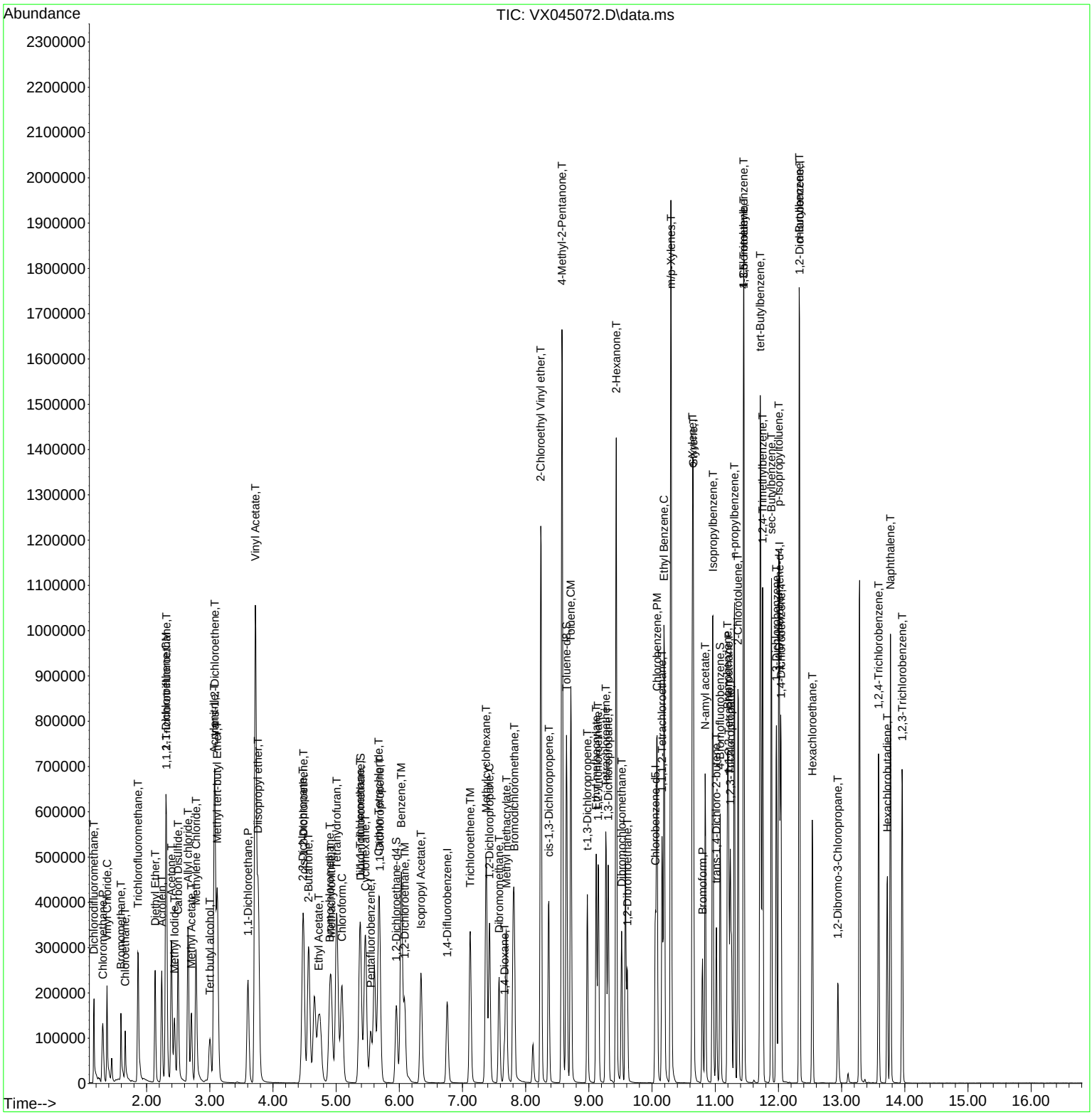
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

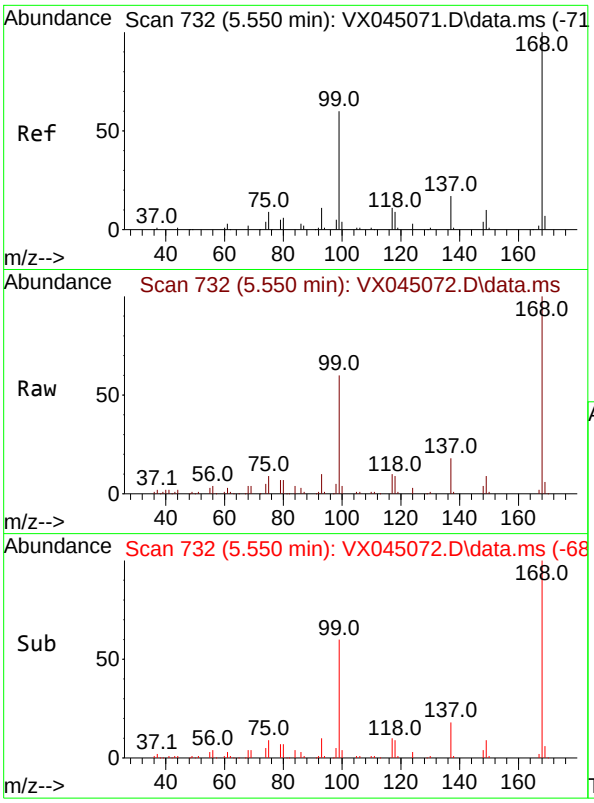
Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

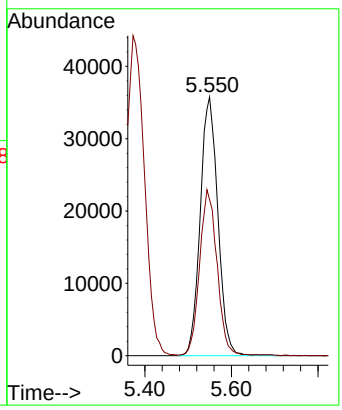




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:168 Resp: 10117

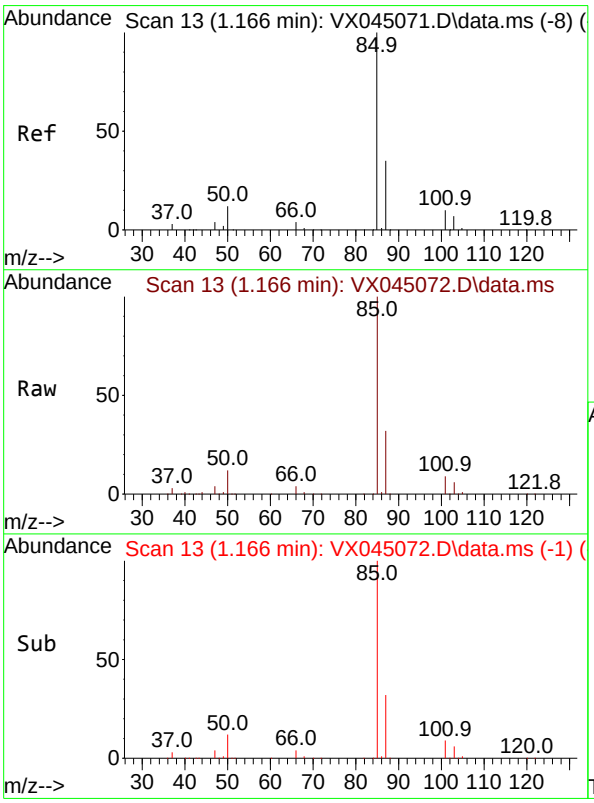
Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

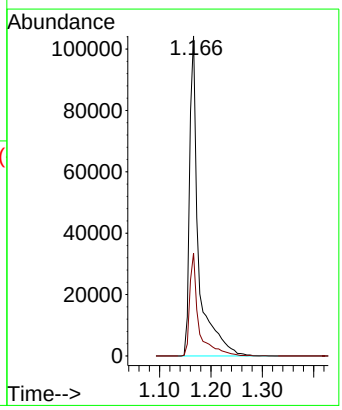
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

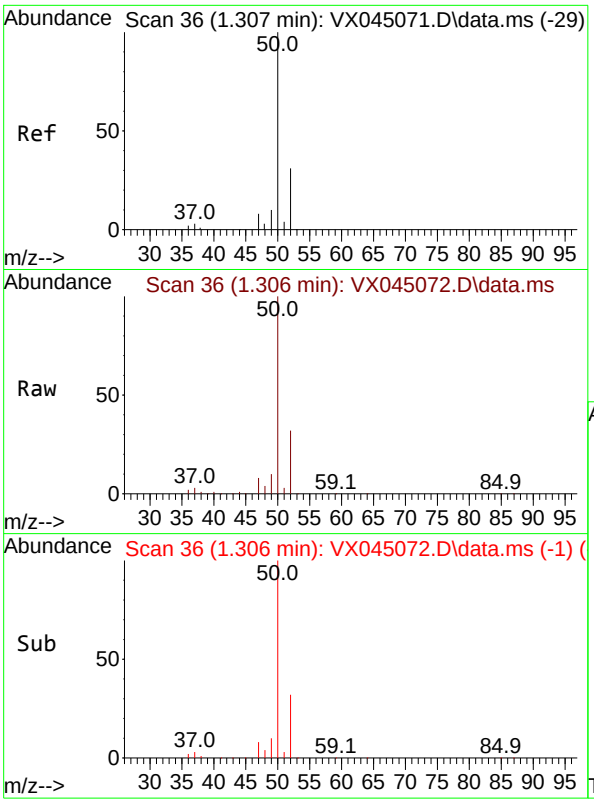


#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 85 Resp: 126718

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3

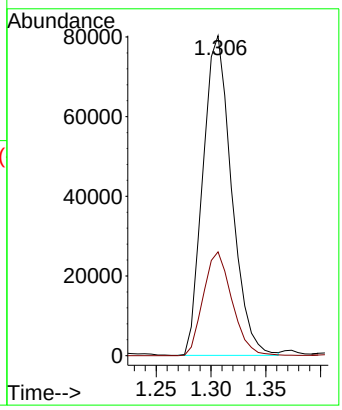




#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 50 Resp: 14582

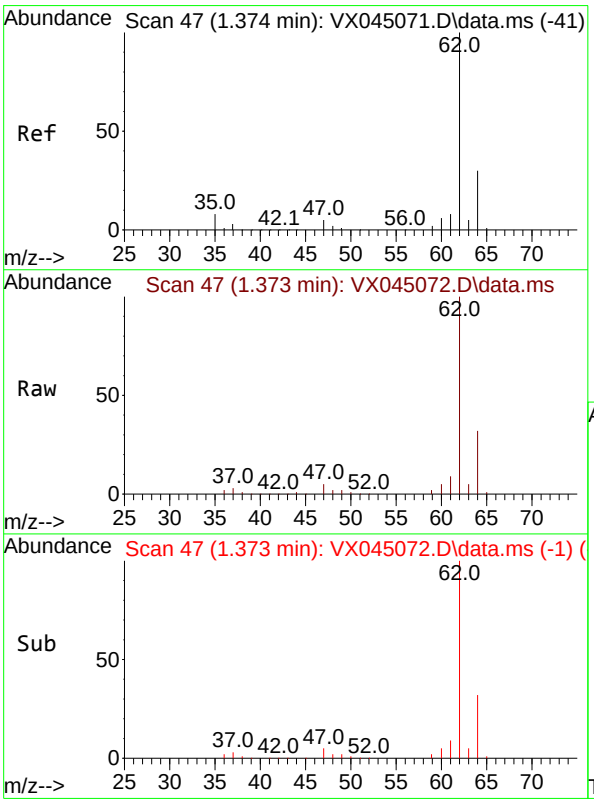
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

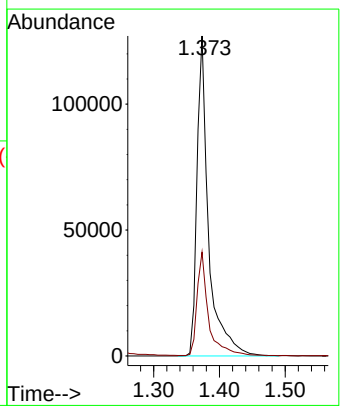
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

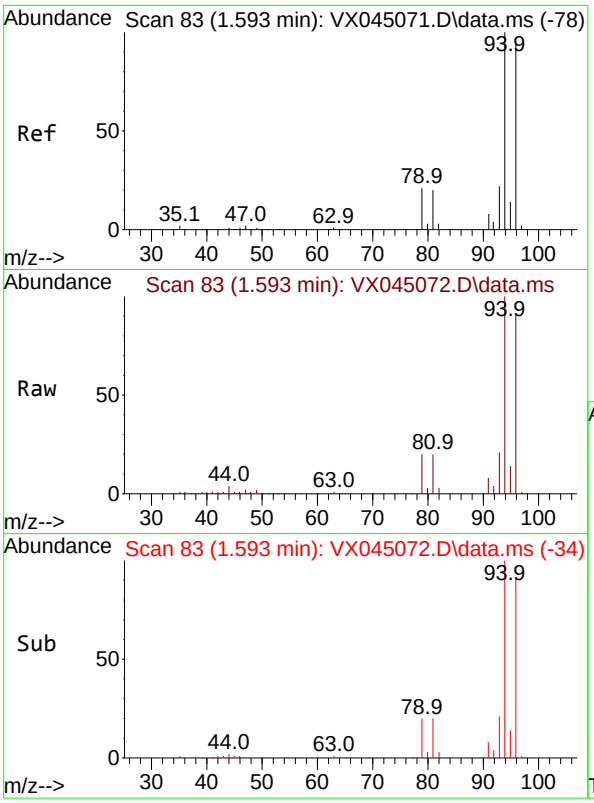


#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5

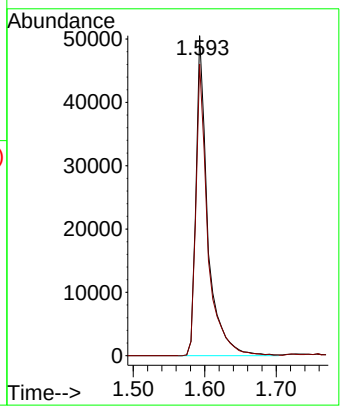




#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 94 Resp: 5750

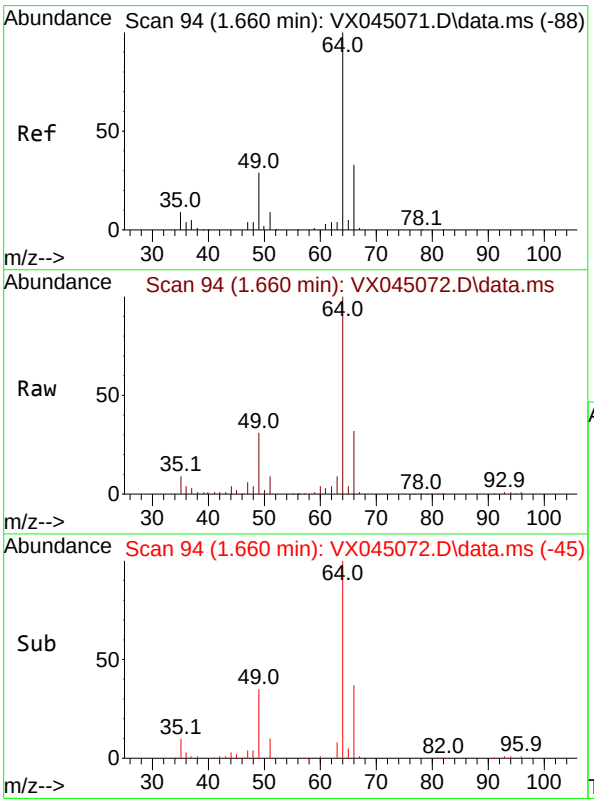
Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

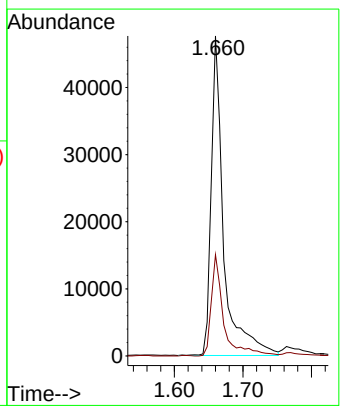
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

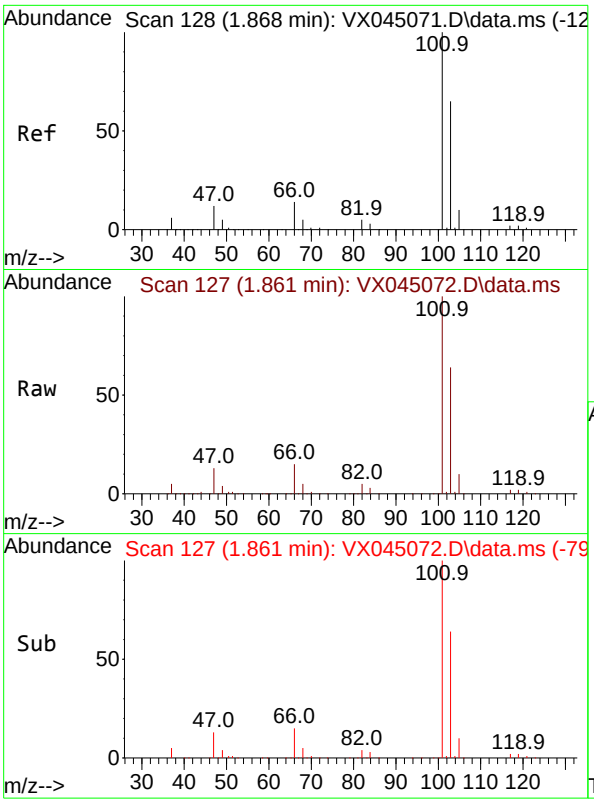


#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 64 Resp: 60155

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.7	40.1





#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

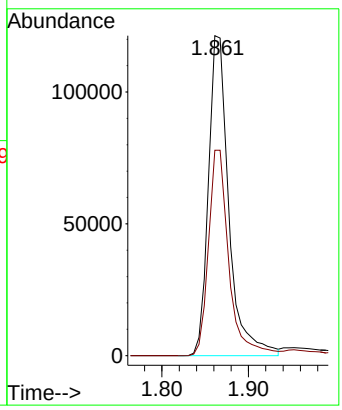
Tgt Ion:101 Resp: 19870

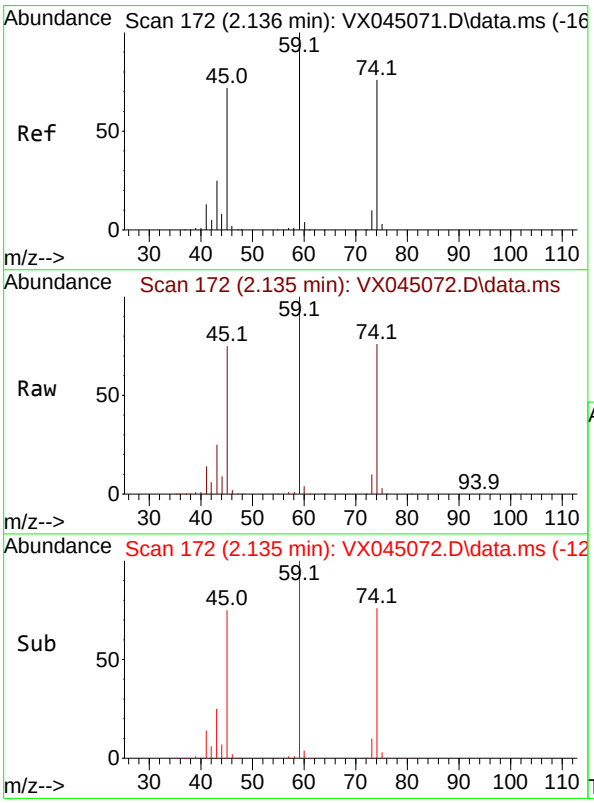
Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

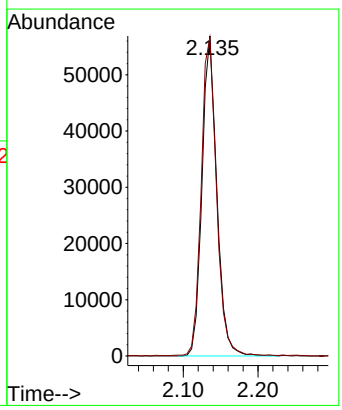


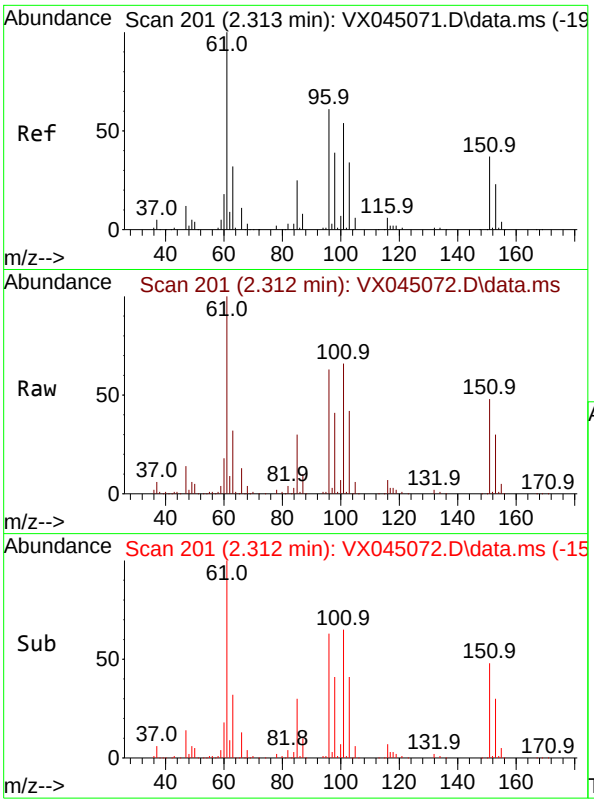


#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 74 Resp: 78263

Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 95.064 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

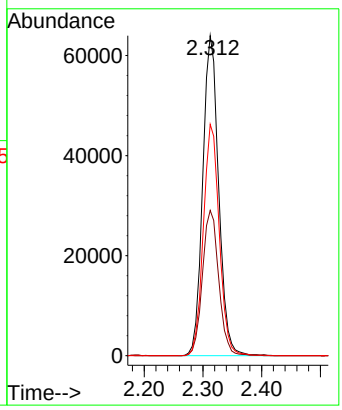
Tgt Ion:101 Resp: 12051

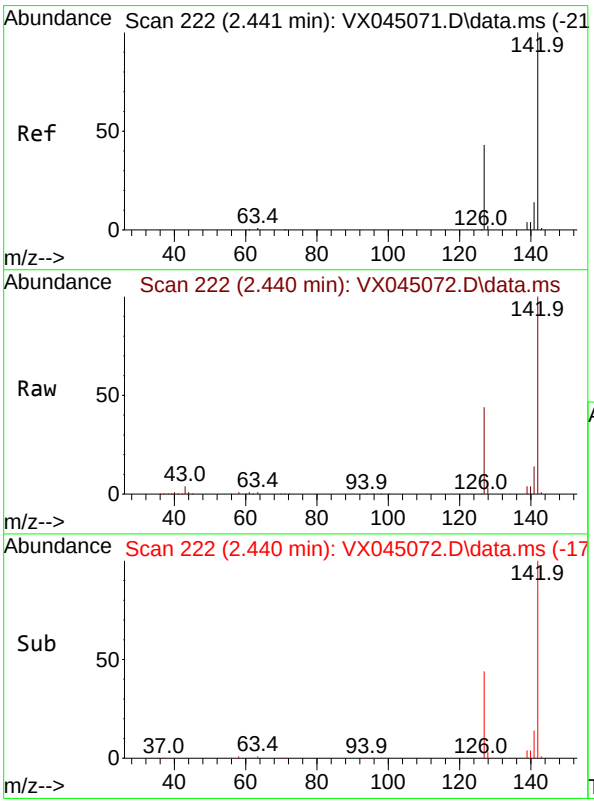
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	72.4	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

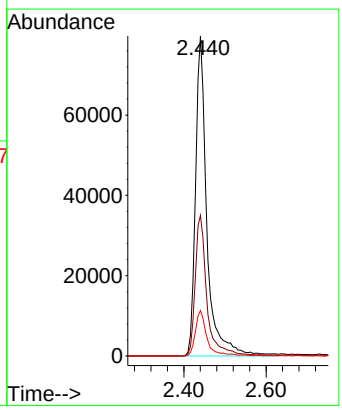


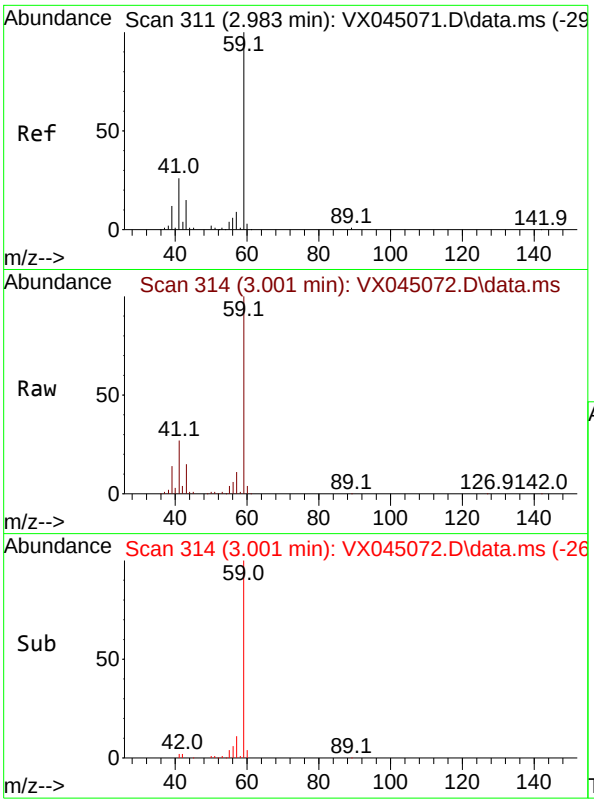


#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:142 Resp: 153466

Ion	Ratio	Lower	Upper
142	100		
127	45.0	35.4	53.2
141	14.4	11.6	17.4

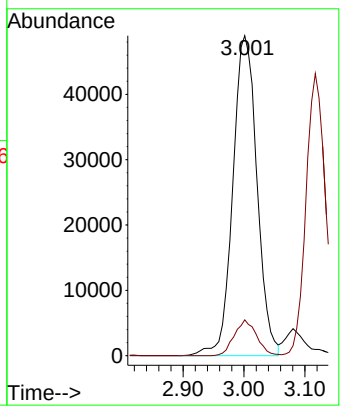




#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 59 Resp: 13501

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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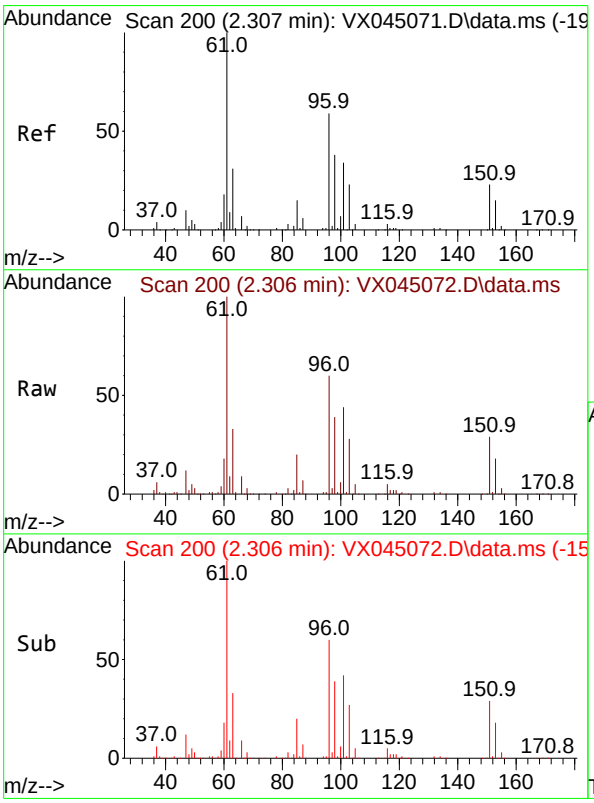
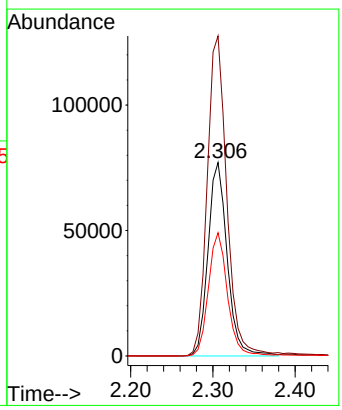
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

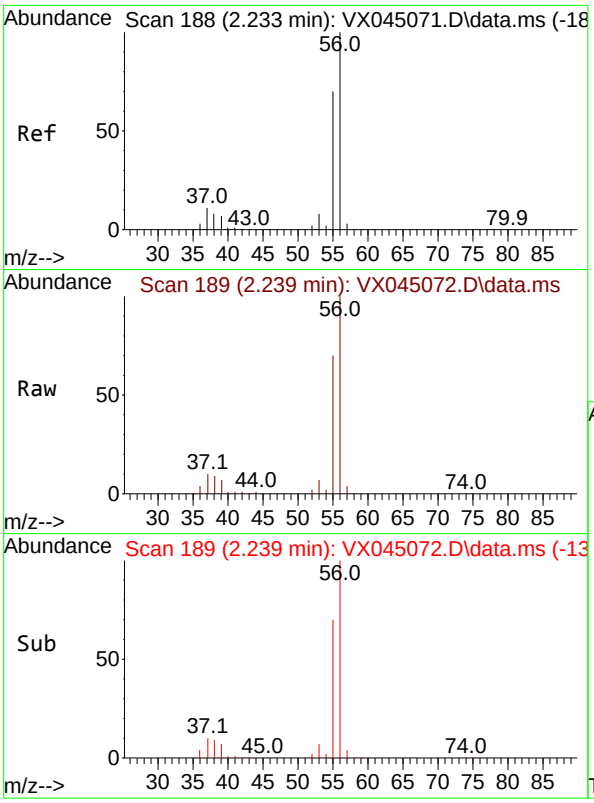


#12
1,1-Dichloroethene
Concen: 96.366 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 125436

Ion	Ratio	Lower	Upper
96	100		
61	165.4	134.6	202.0
98	63.7	51.0	76.6

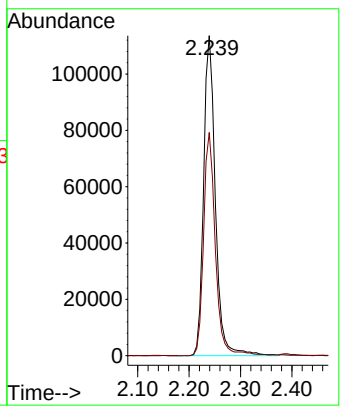




#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 56 Resp: 18041

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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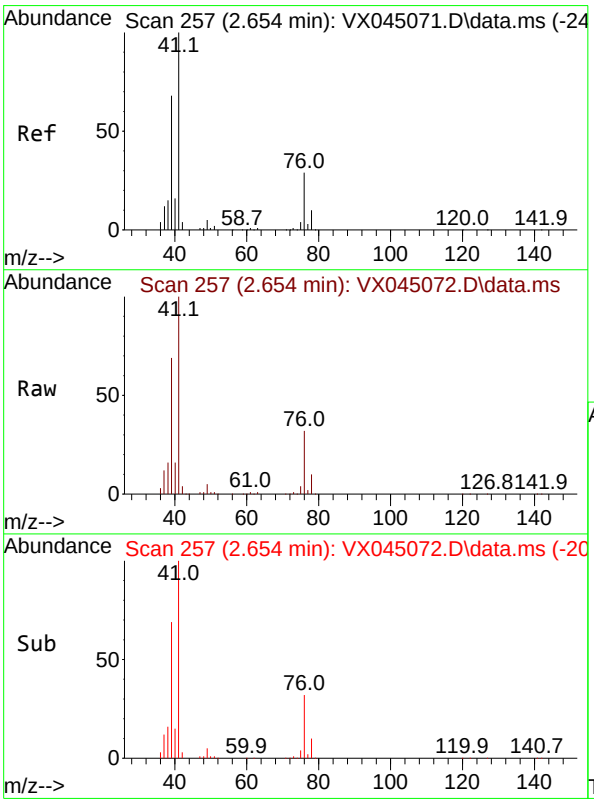
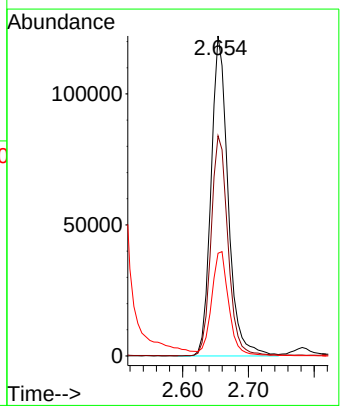
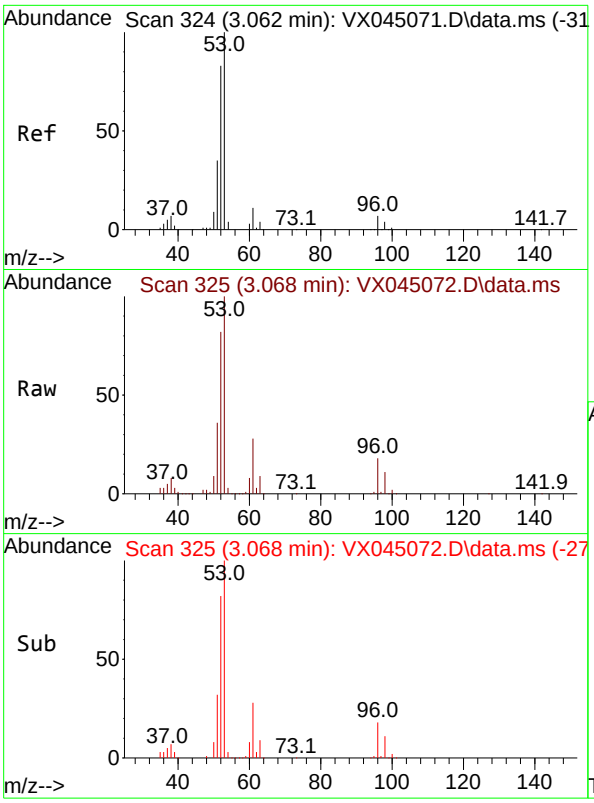


#14
Allyl chloride
Concen: 94.344 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 220783

Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.8	80.8
76	32.6	25.2	37.8

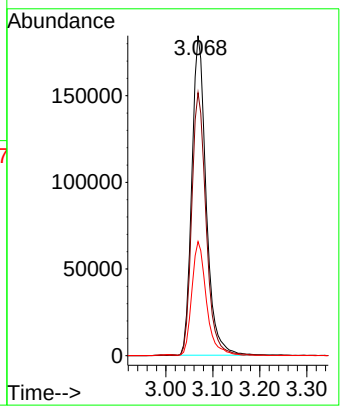




#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 53 Resp: 39194

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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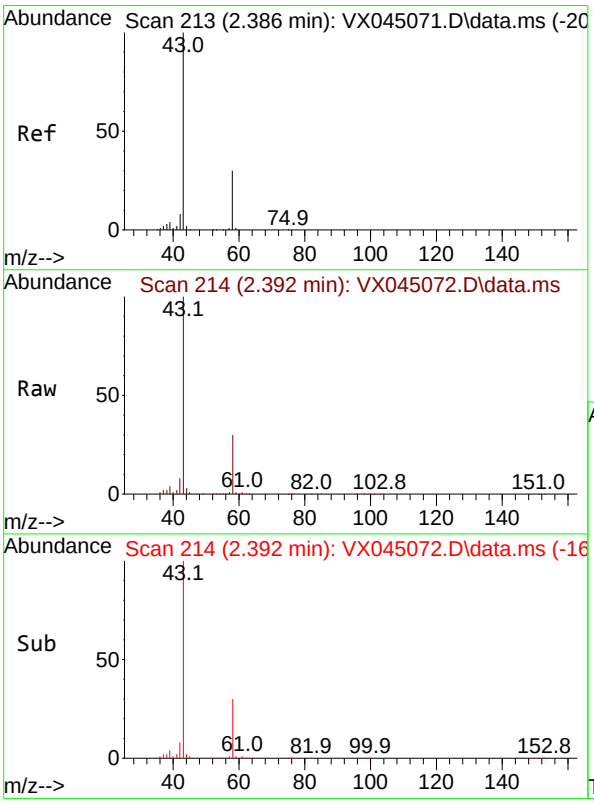
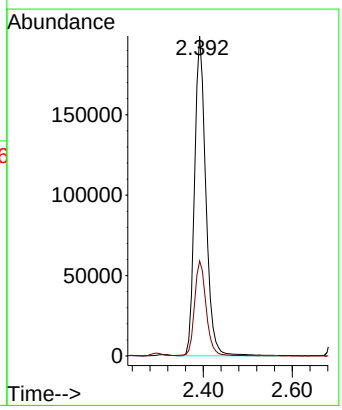
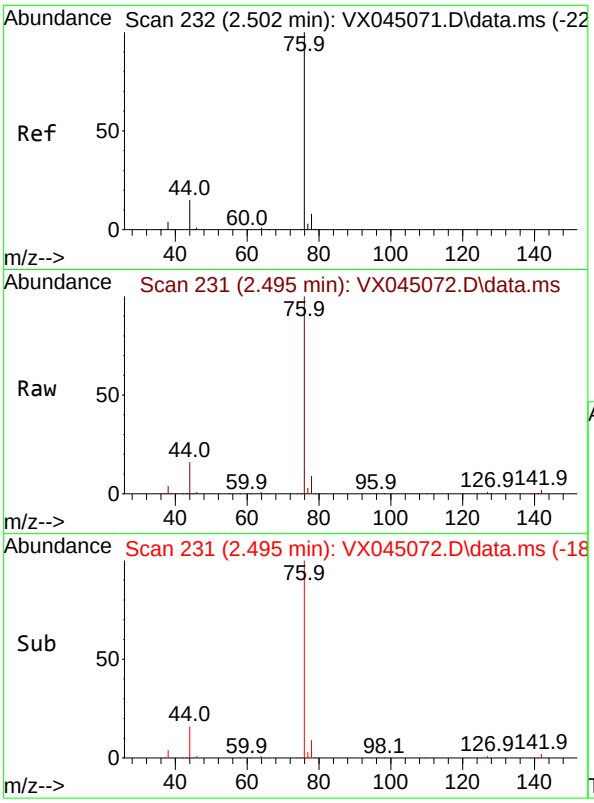


#16
Acetone
Concen: 566.991 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 348698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4





#17
Carbon Disulfide
Concen: 97.574 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 76 Resp: 34557

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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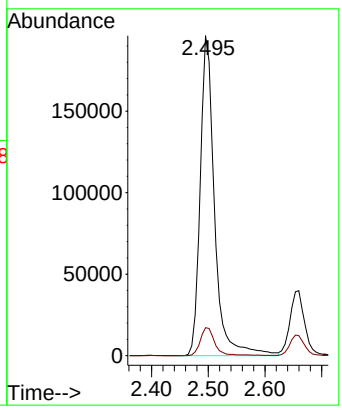
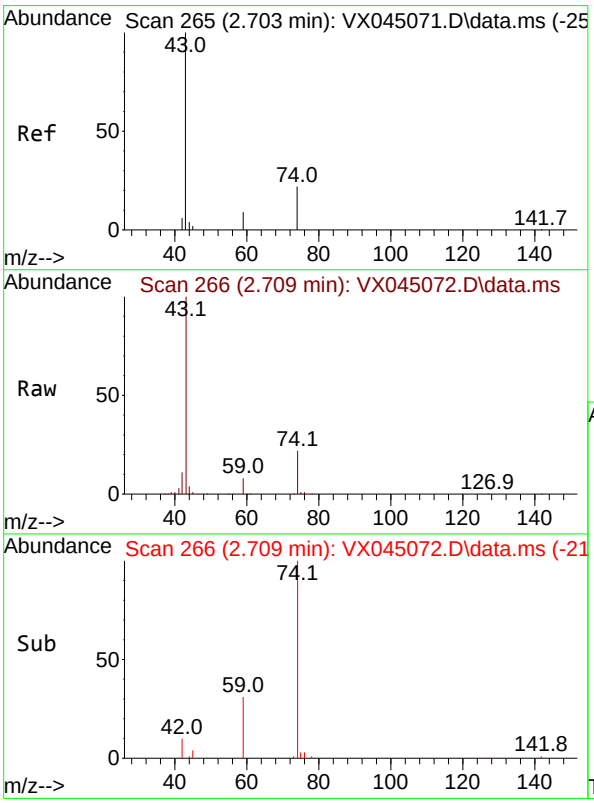
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

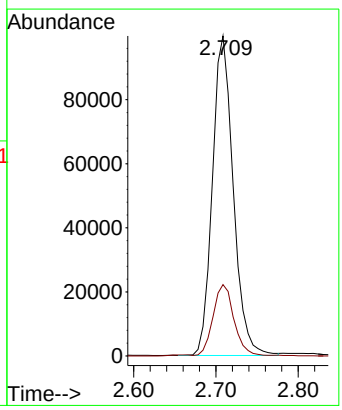


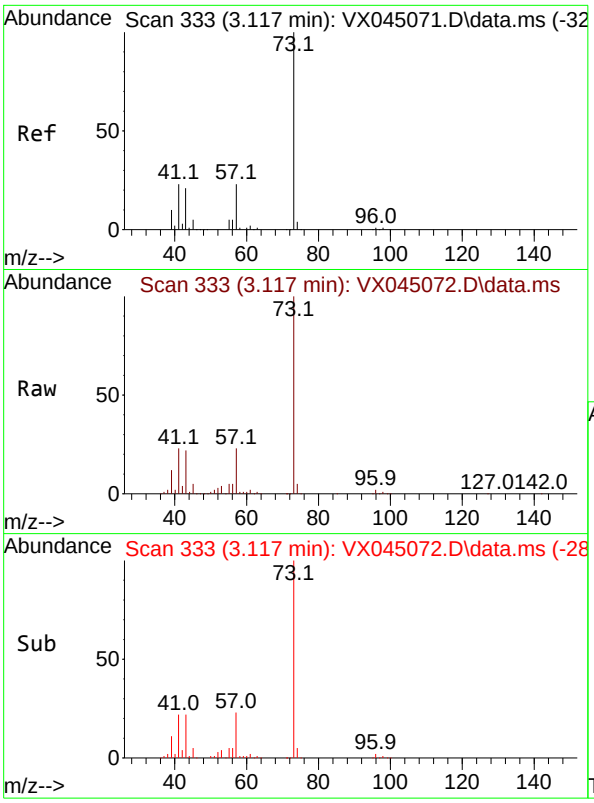


#18
Methyl Acetate
Concen: 94.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 175784

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

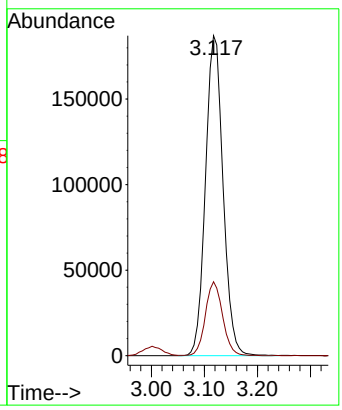




#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 73 Resp: 43141

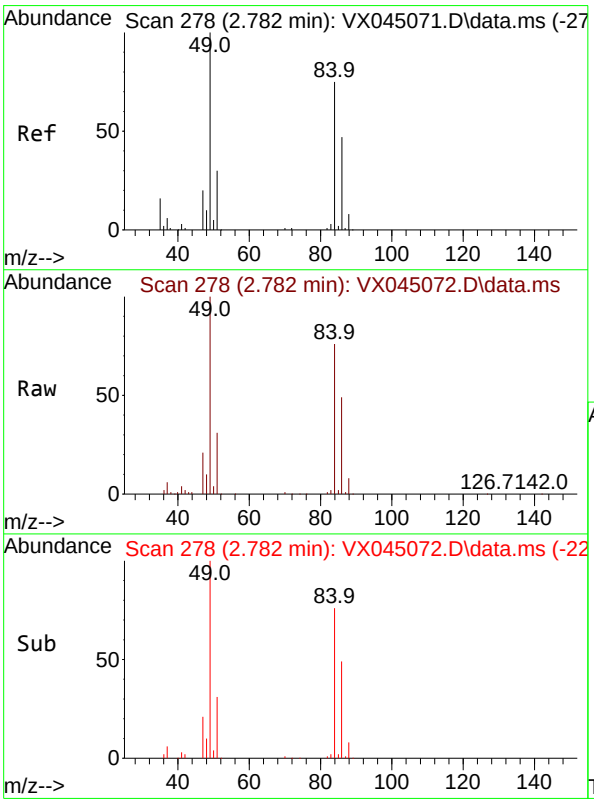
Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

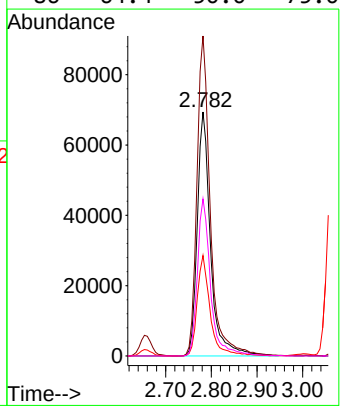
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

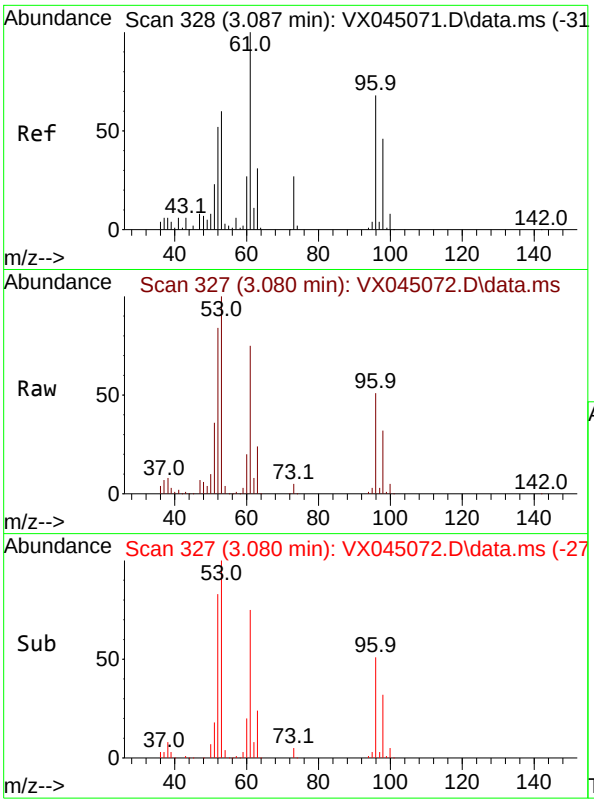


#20
Methylene Chloride
Concen: 96.381 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 84 Resp: 140388

Ion	Ratio	Lower	Upper
84	100		
49	131.2	106.5	159.7
51	41.2	32.1	48.1
86	64.4	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 12823

Ion	Ratio	Lower	Upper
96	100		
61	147.3	117.0	175.4
98	63.0	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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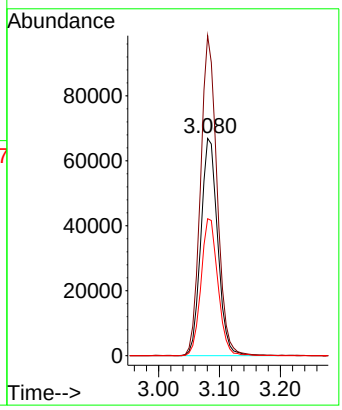
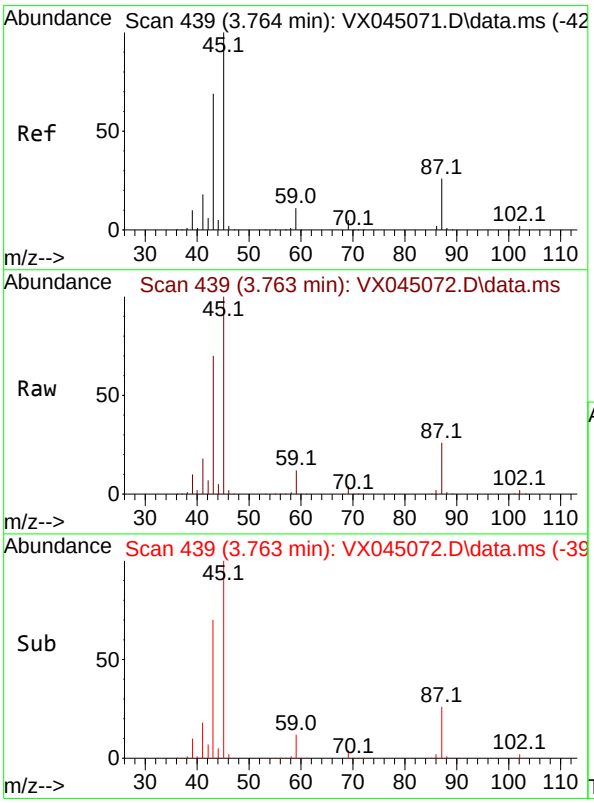
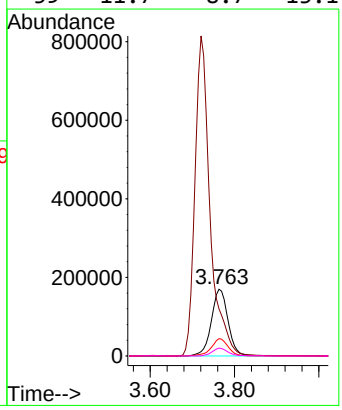


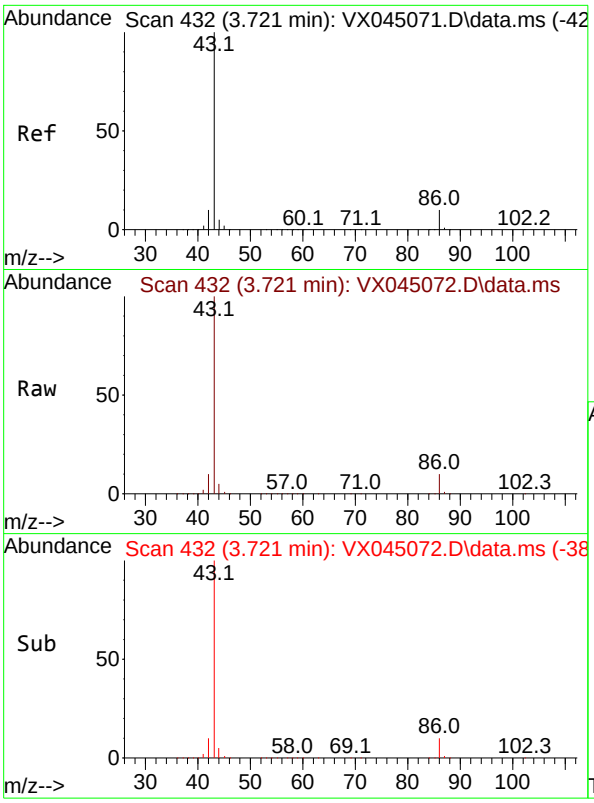


#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 45 Resp: 467534

Ion	Ratio	Lower	Upper
45	100		
43	70.4	54.9	82.3
87	26.0	21.0	31.4
59	11.7	8.7	13.1

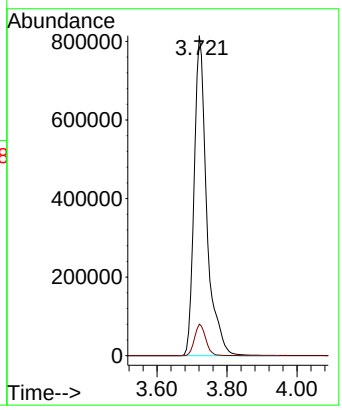




#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 203588

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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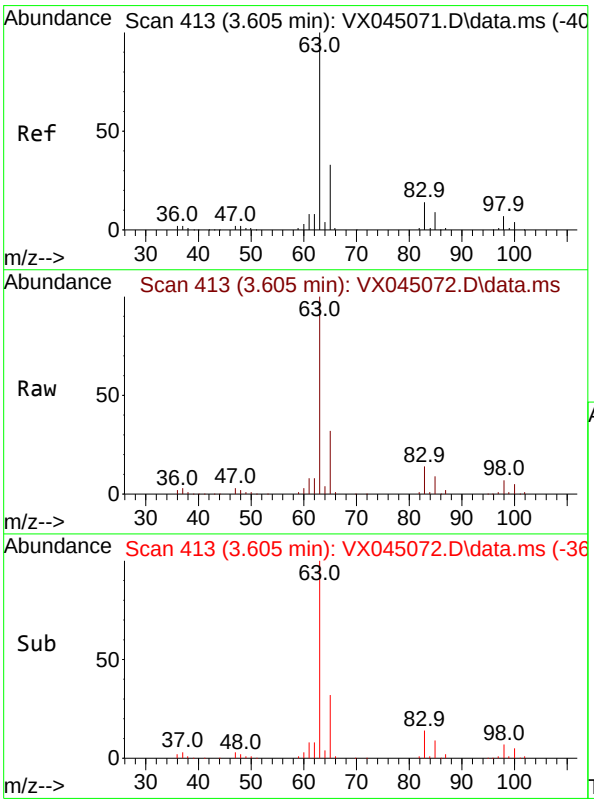
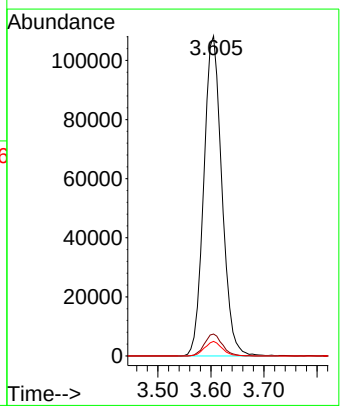
Supervised By :Mahesh Dadoda 02/28/2025

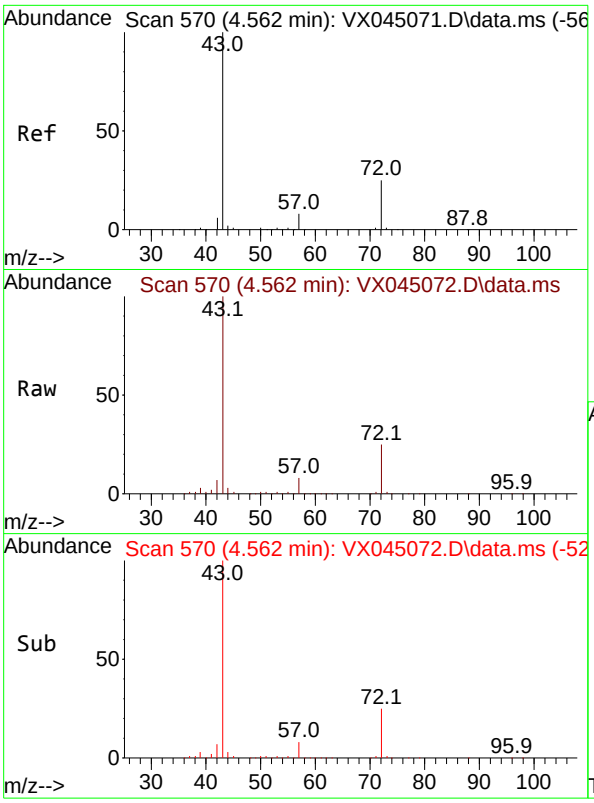


#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 257023

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.6	2.1	6.5

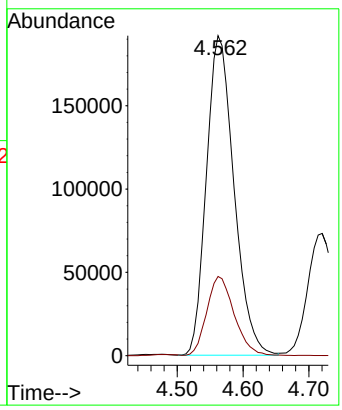




#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 55918

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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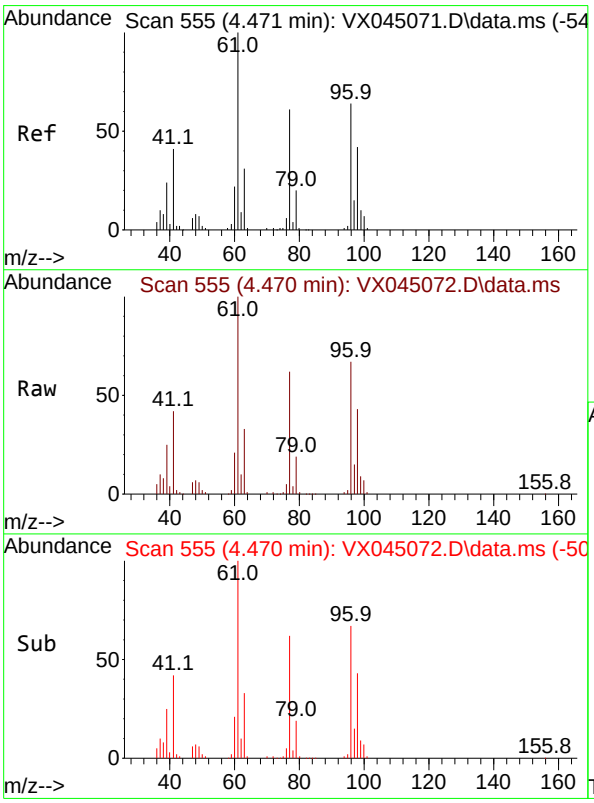
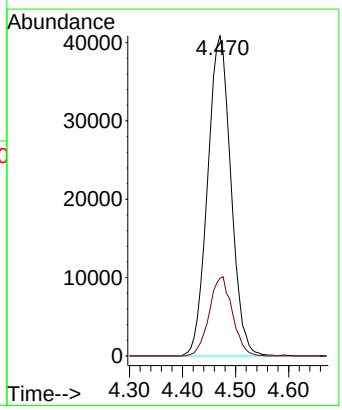
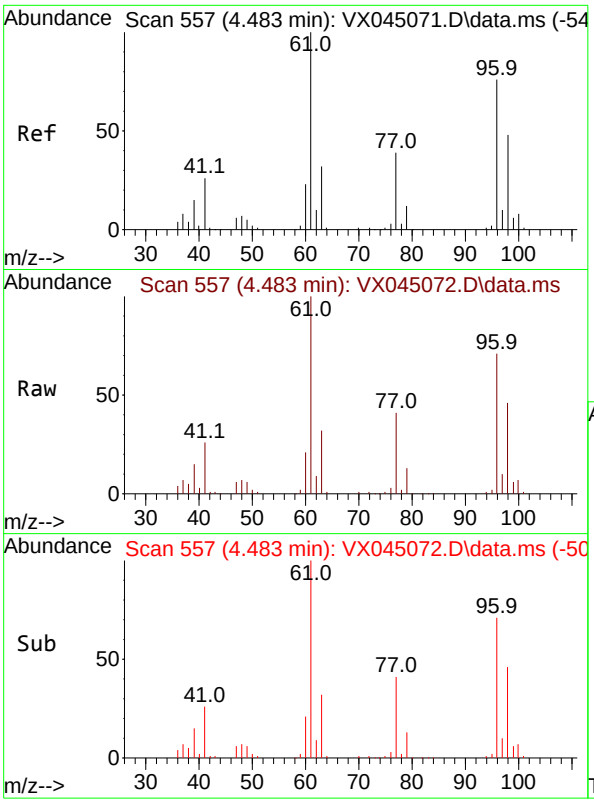


#26
2,2-Dichloropropane
Concen: 67.148 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 77 Resp: 124805

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 100.568 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

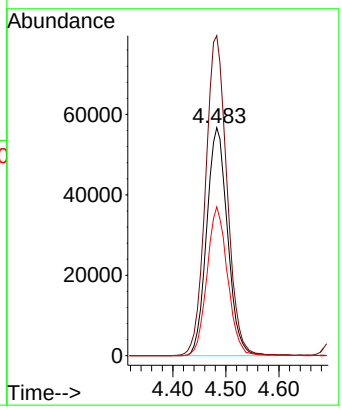
Tgt Ion: 96 Resp: 15519

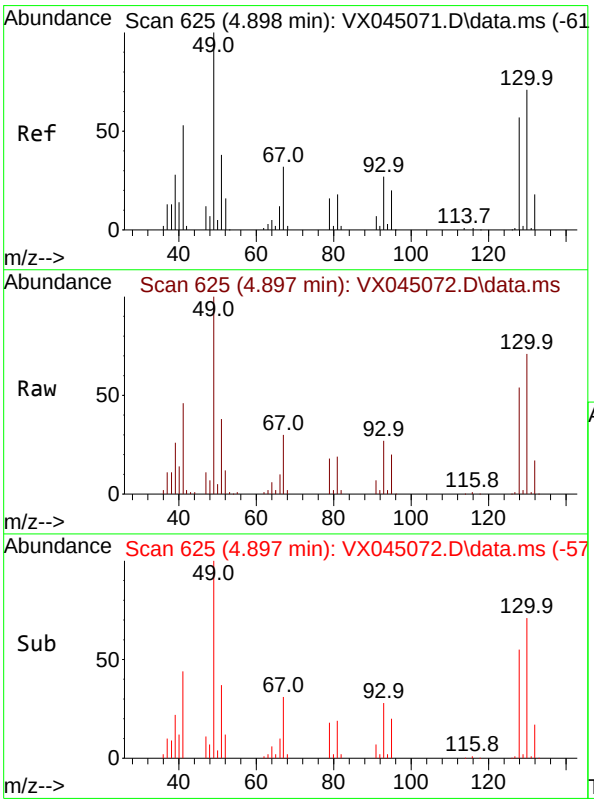
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	283.2
98	64.3	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

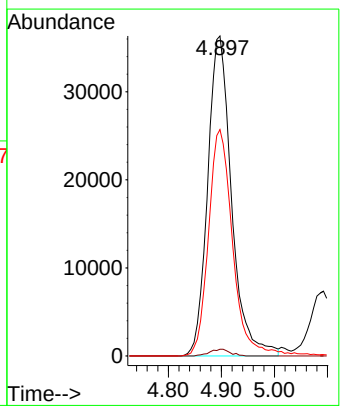


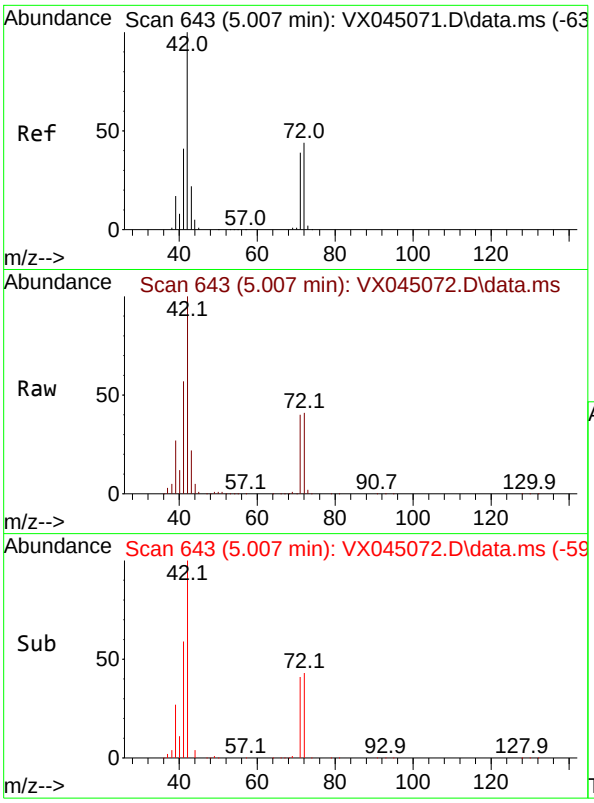


#28
Bromochloromethane
Concen: 94.428 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 49 Resp: 113848

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	72.2	56.1	84.1





#29
Tetrahydrofuran
Concen: 556.465 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 42 Resp: 36556

Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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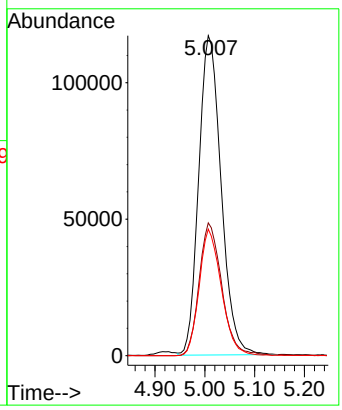
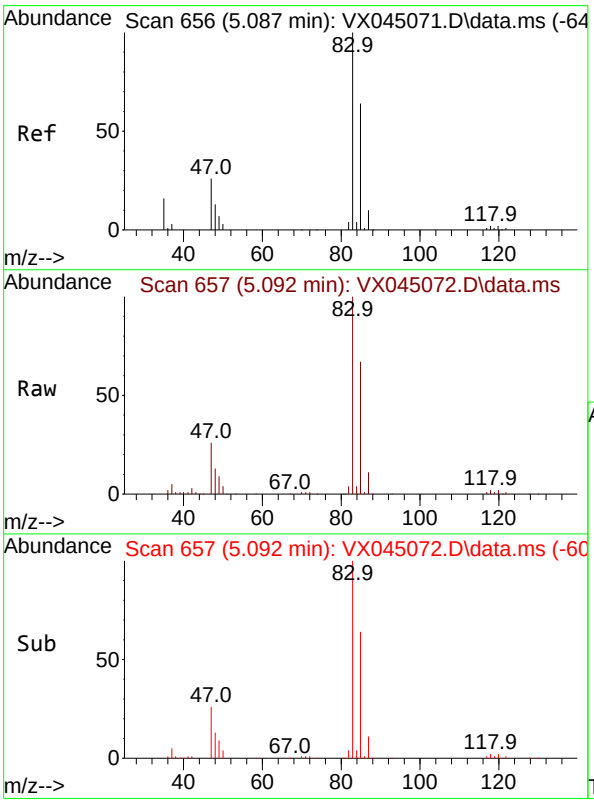
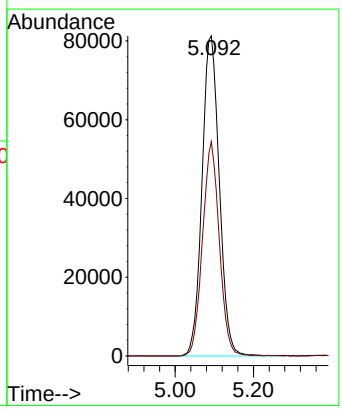


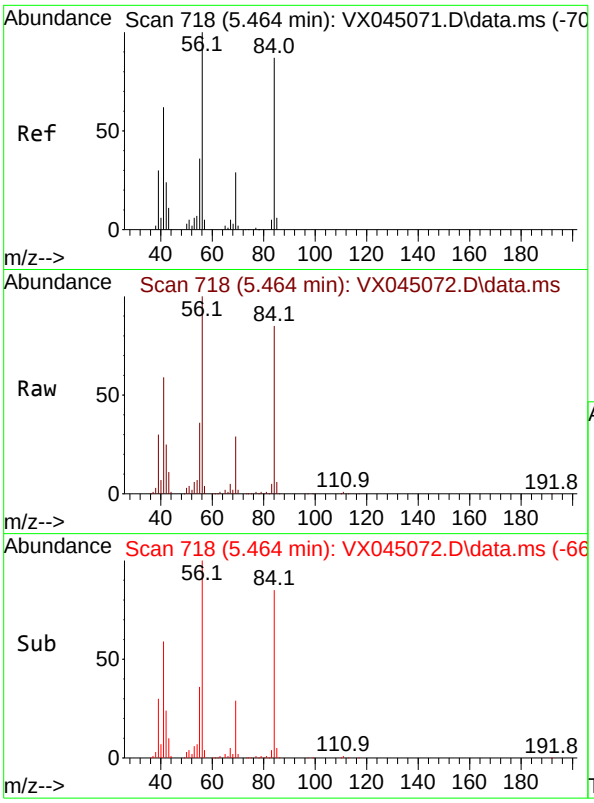


#30
Chloroform
Concen: 101.814 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 248978

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2





#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 56 Resp: 23108

Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.2
84	83.3	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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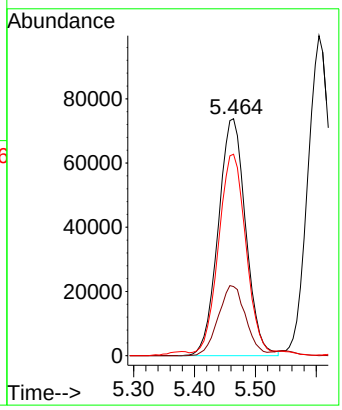
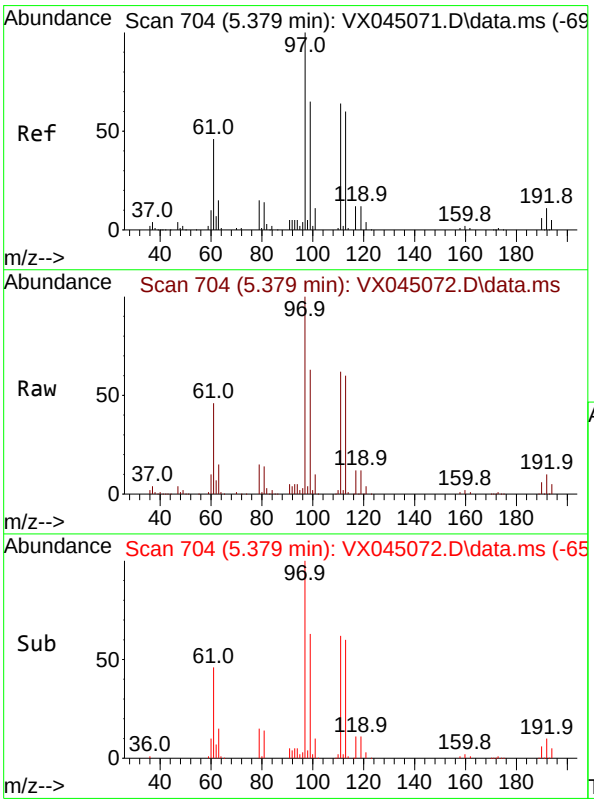
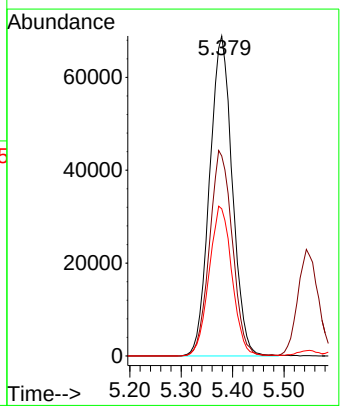


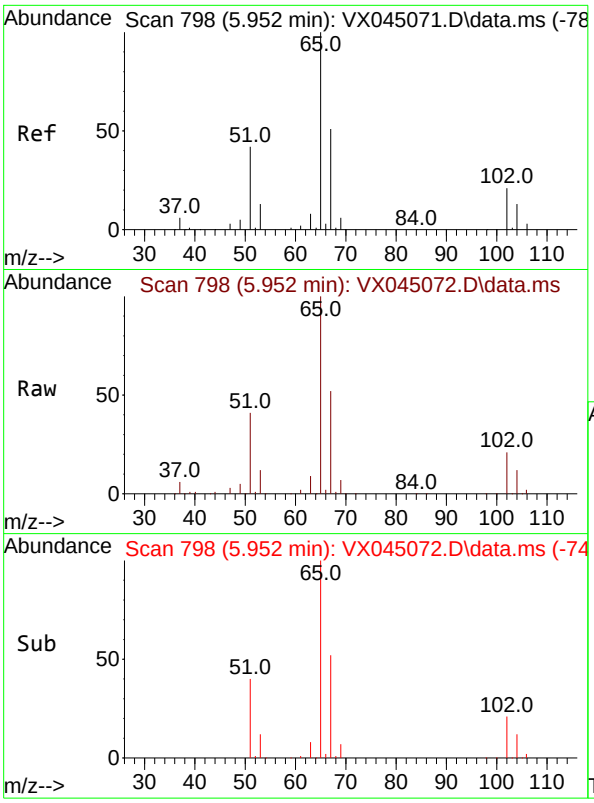


#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 97 Resp: 211302

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	47.3	38.4	57.6

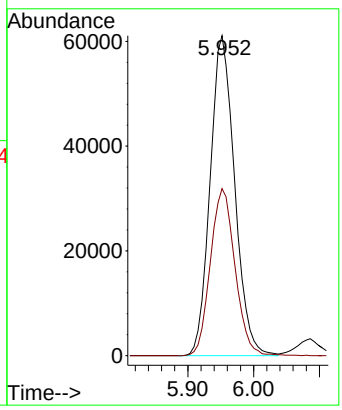




#33
1,2-Dichloroethane-d4
Concen: 106.011 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 65 Resp: 15845

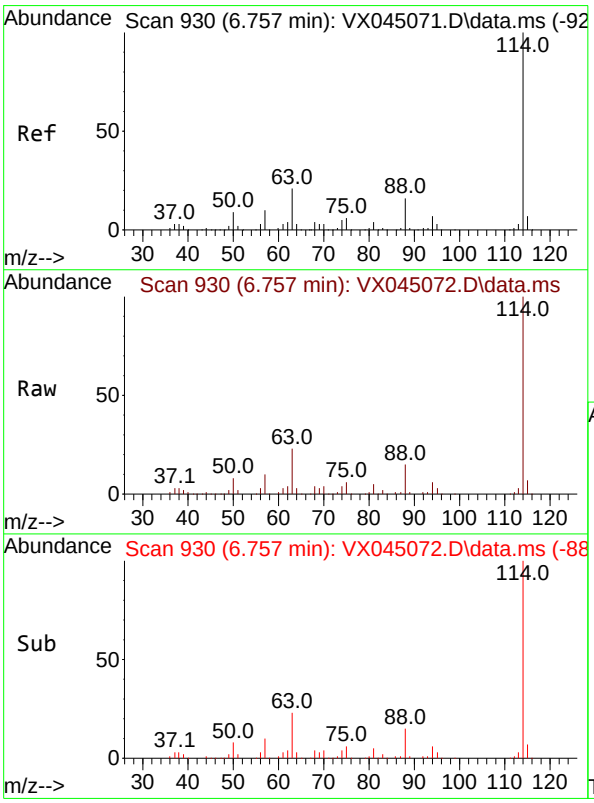
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

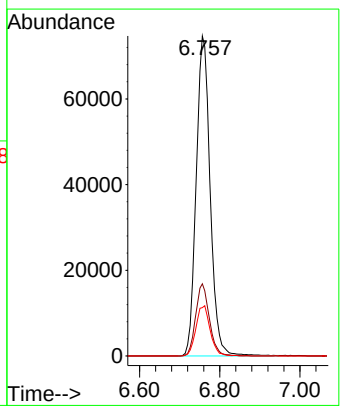
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

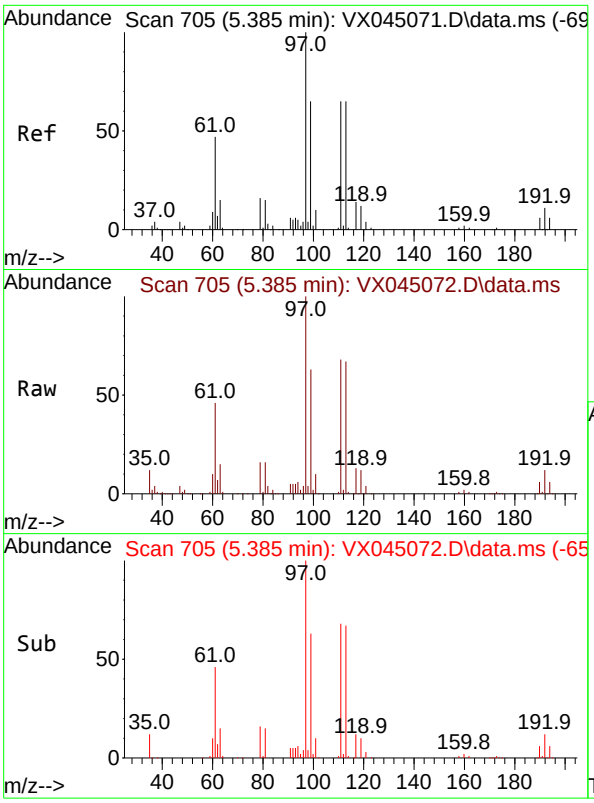


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:114 Resp: 181031

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	15.1	0.0	32.8

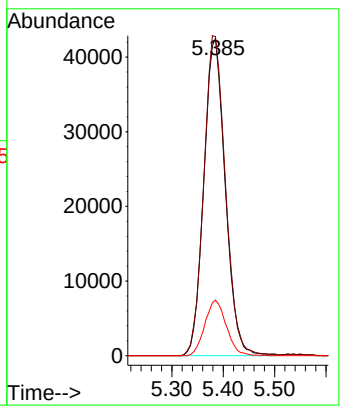




#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:113 Resp: 12318

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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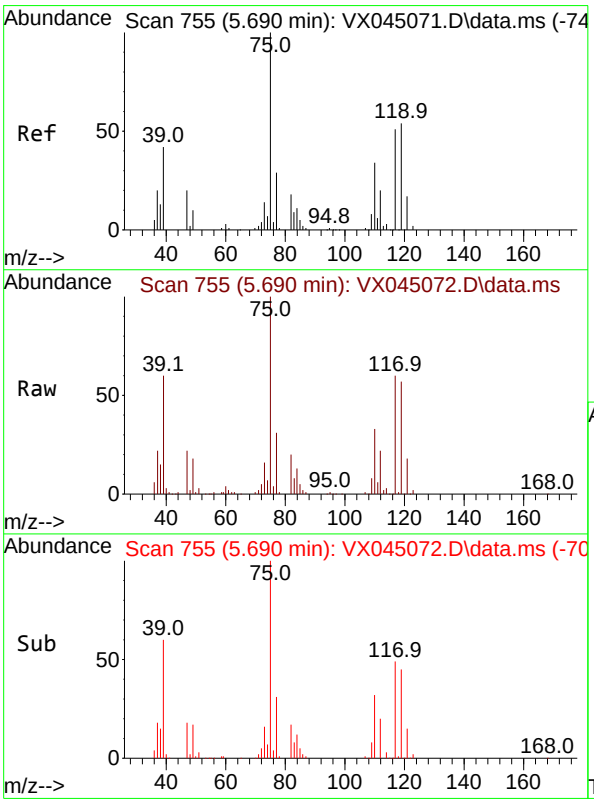
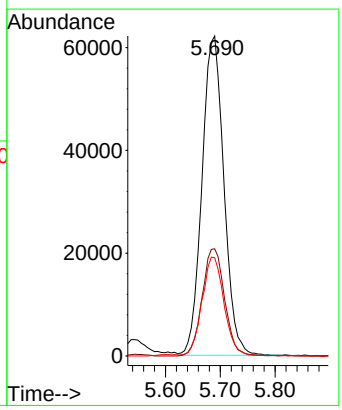
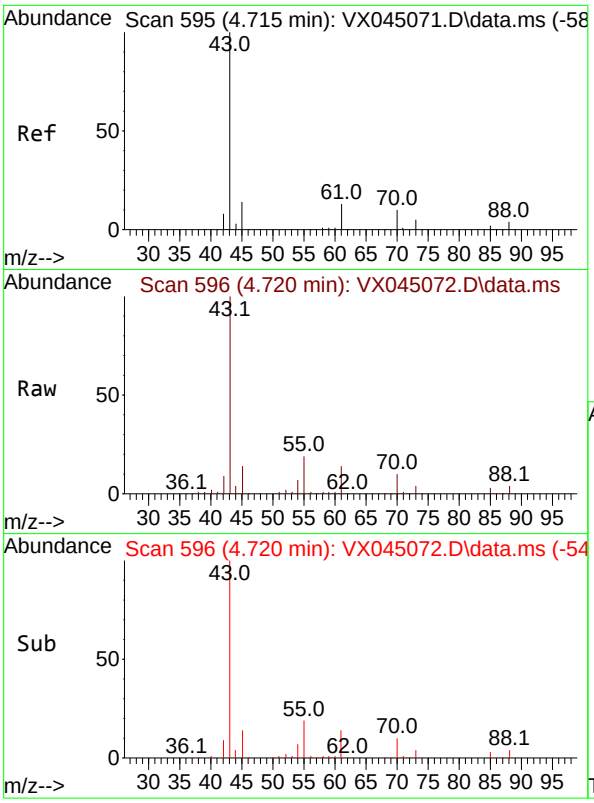


#36
1,1-Dichloropropene
Concen: 101.258 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 172295

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	31.0	24.5	36.7





#37
Ethyl Acetate
Concen: 113.796 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 22032

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.8	16.2
70	9.6	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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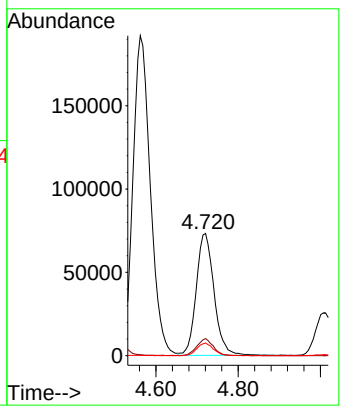
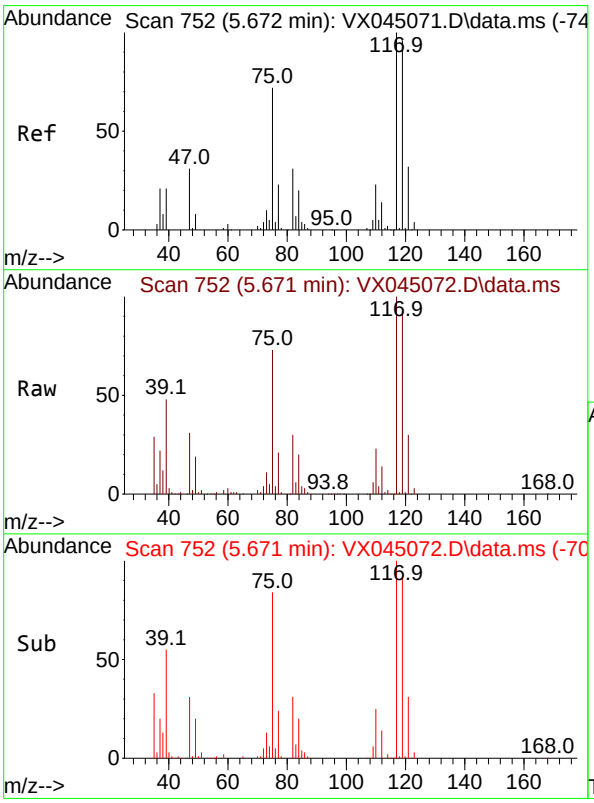
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

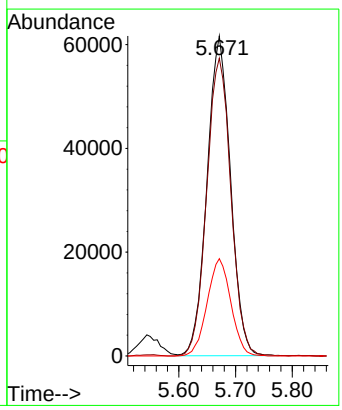


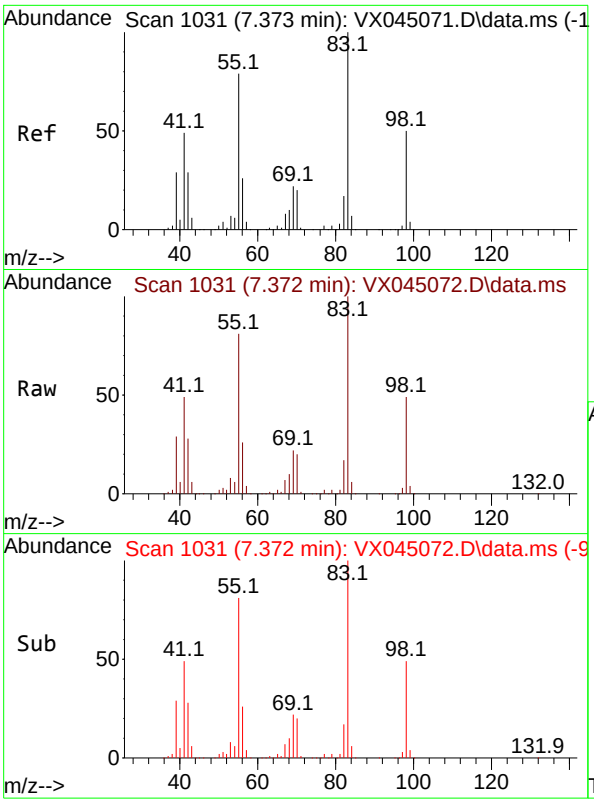


#38
Carbon Tetrachloride
Concen: 105.940 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 177219

Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.7	115.1
121	30.4	25.5	38.3





#39
Methylcyclohexane
Concen: 101.175 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

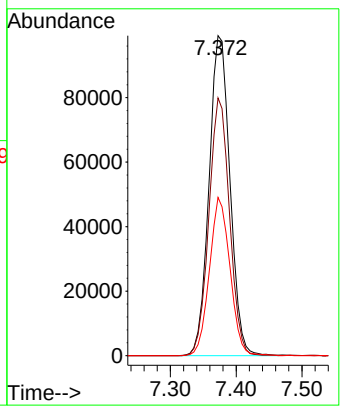
Tgt Ion: 83 Resp: 21985

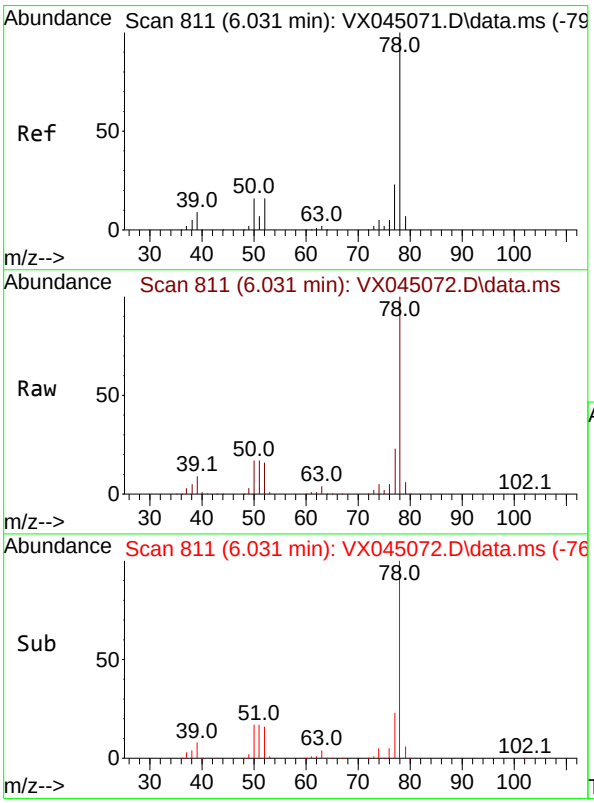
Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.0	94.4
98	49.5	39.7	59.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

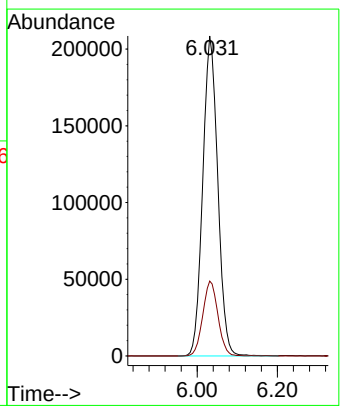


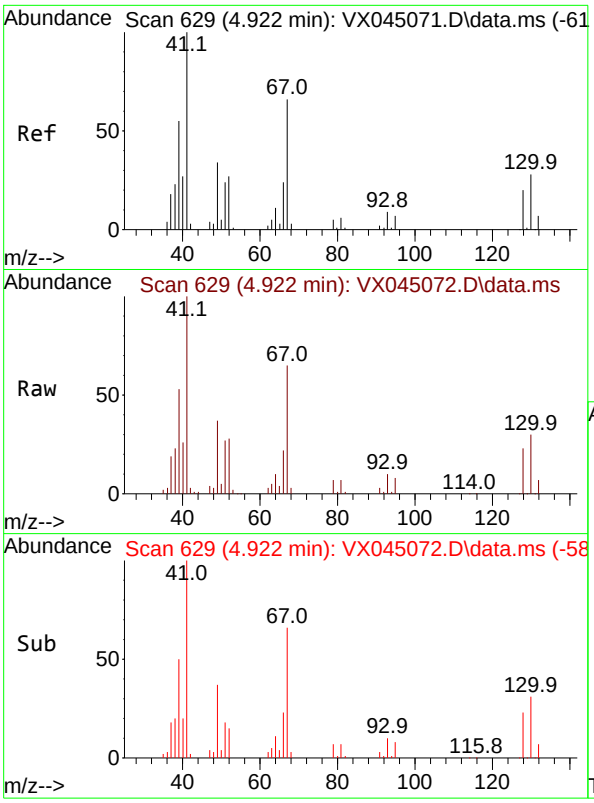


#40
Benzene
Concen: 101.908 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 78 Resp: 541974

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2

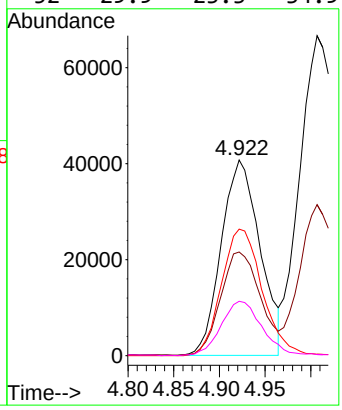




#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 12018

Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.6	67.0
67	68.3	53.9	80.9
52	29.9	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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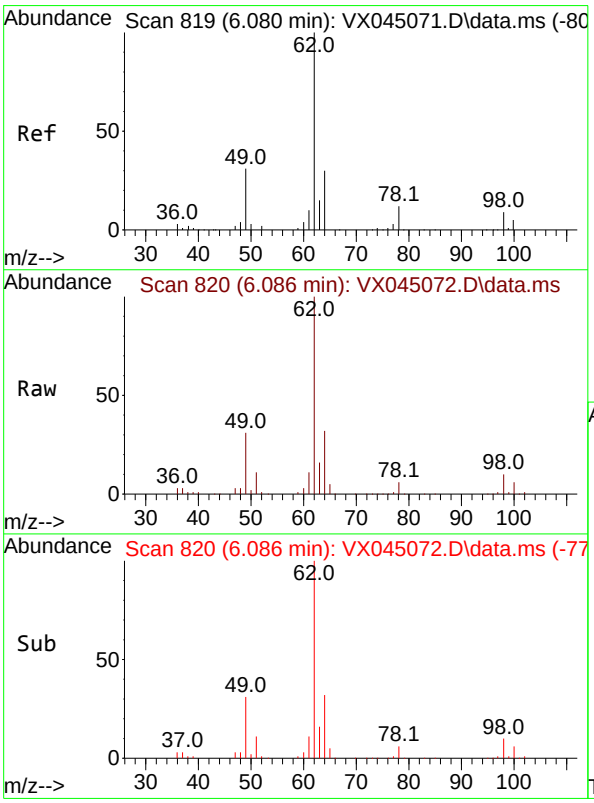
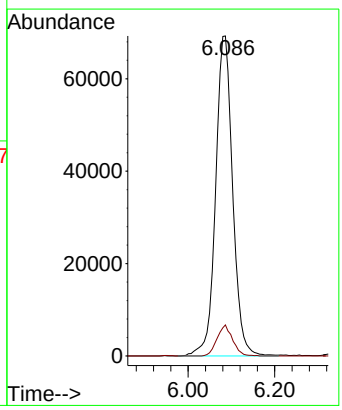
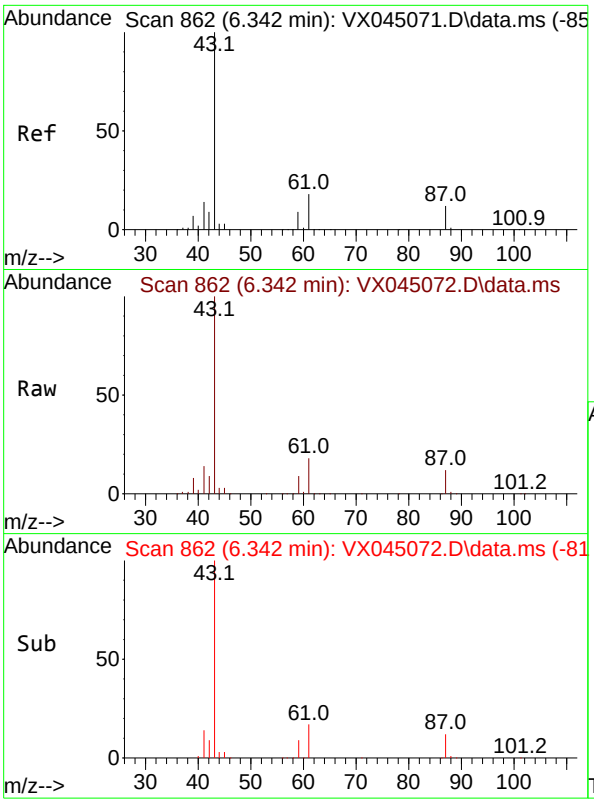


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 189857

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 109.806 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 33841

Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
87	12.3	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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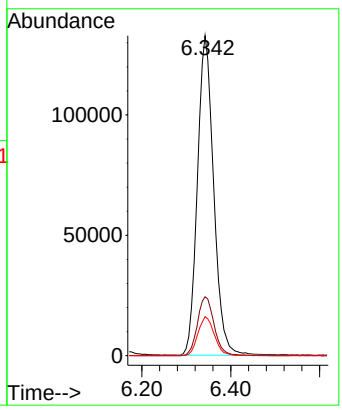
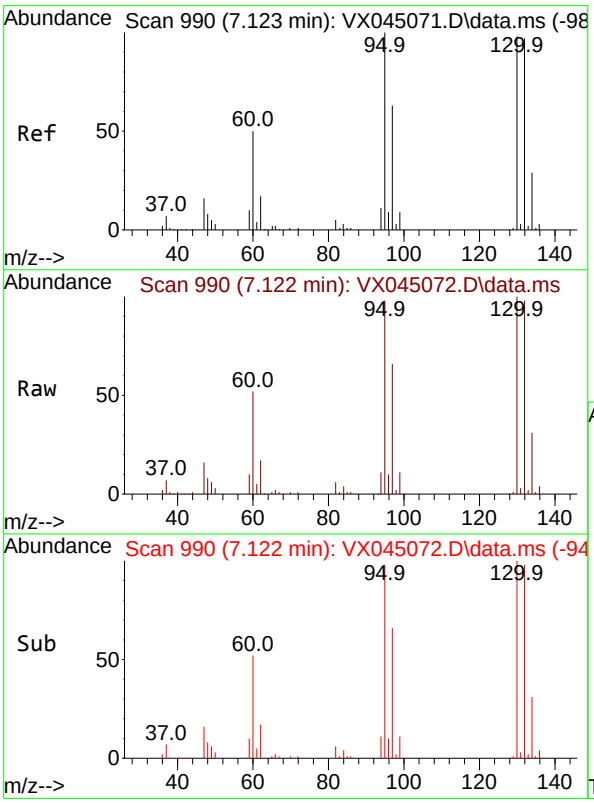
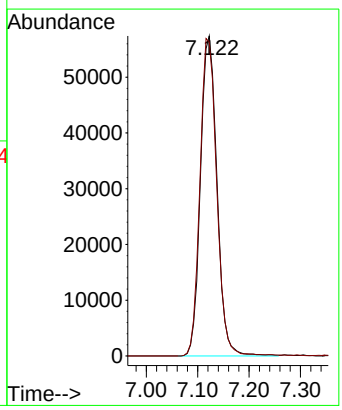


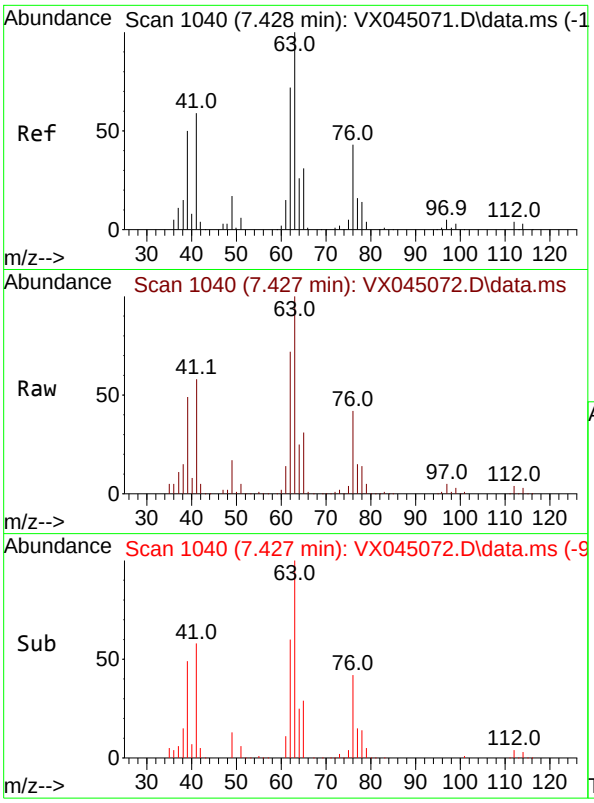


#44
Trichloroethene
Concen: 105.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:130 Resp: 128124

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.0





#45
1,2-Dichloropropane
Concen: 102.898 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

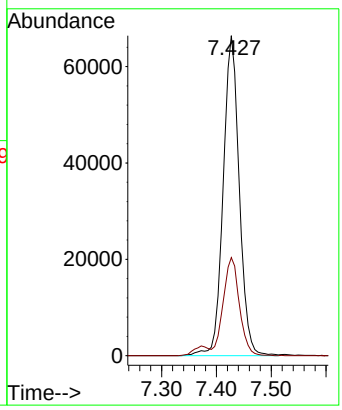
Tgt Ion: 63 Resp: 13599

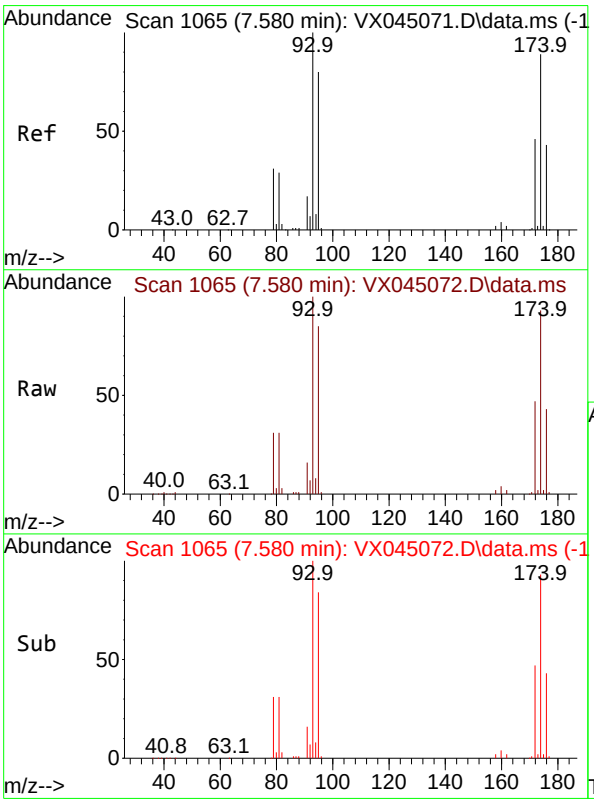
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

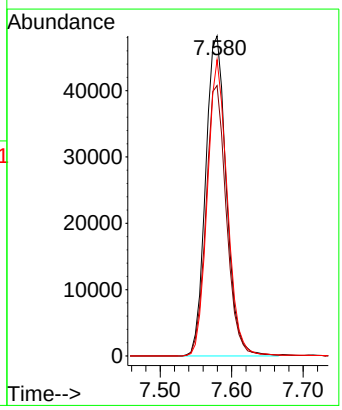


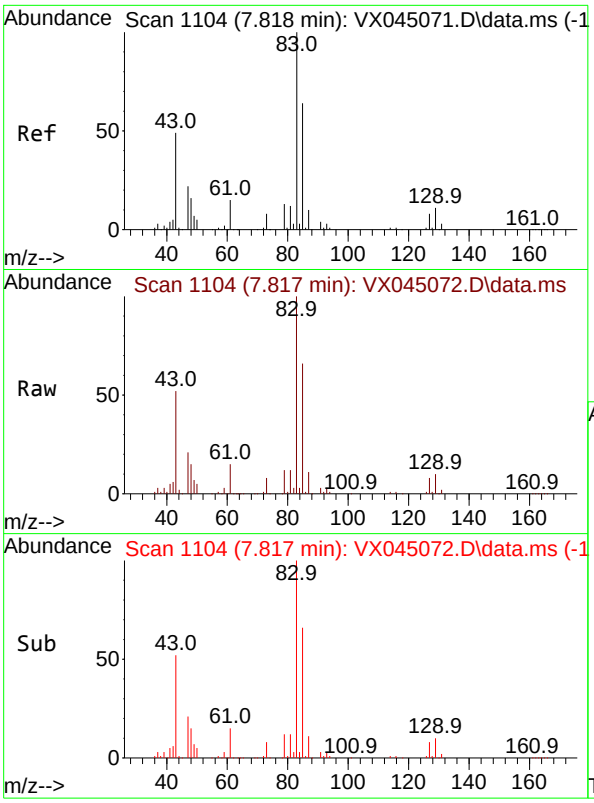


#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 93 Resp: 97248

Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.8
174	89.0	72.2	108.2

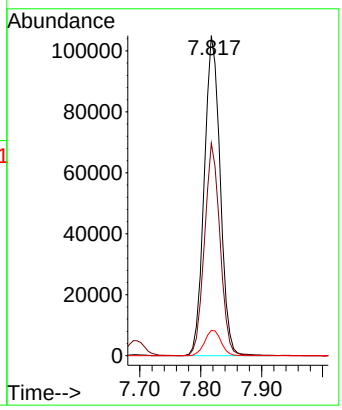




#47
Bromodichloromethane
Concen: 106.947 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 19101

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	7.9	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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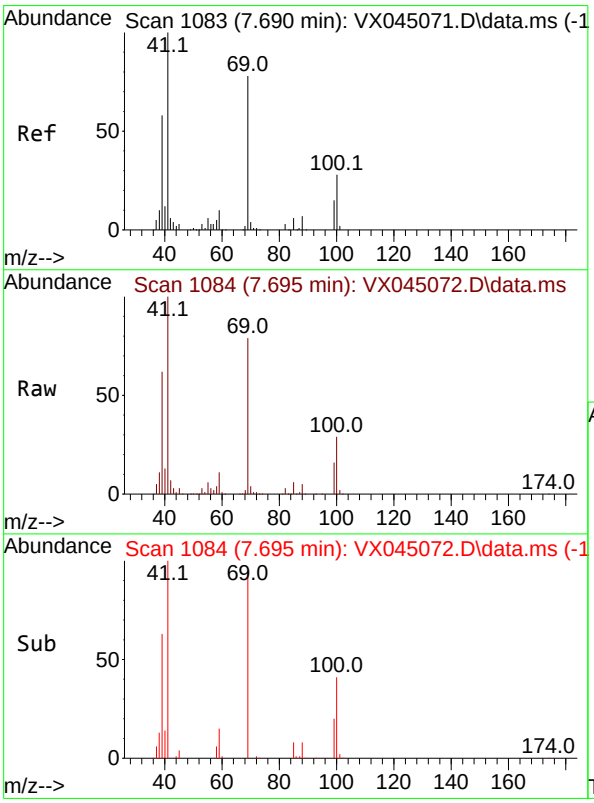
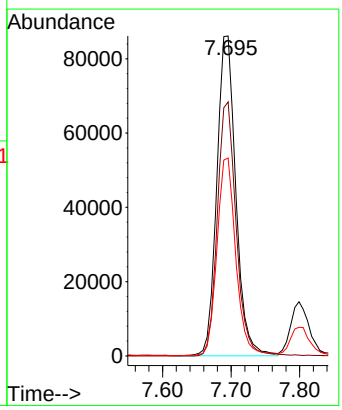
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

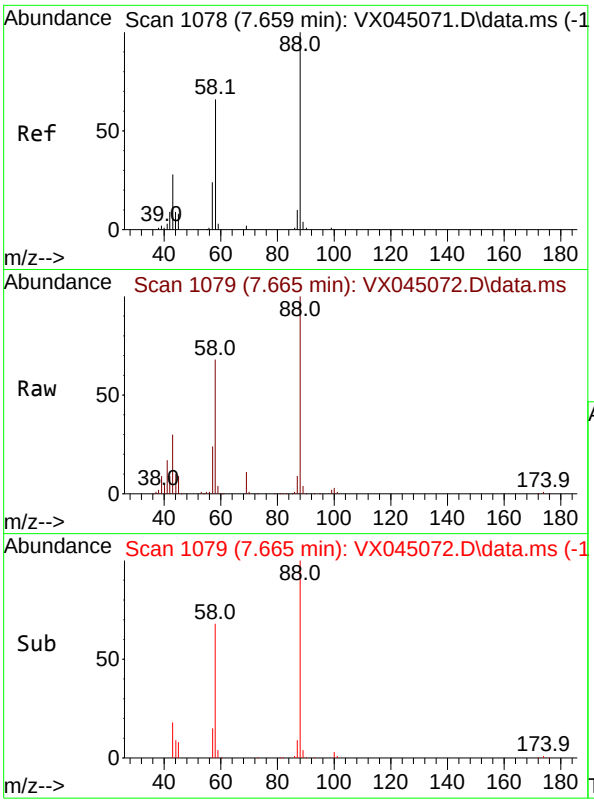


#48
Methyl methacrylate
Concen: 113.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 165825

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	60.9	47.5	71.3





#49
1,4-Dioxane
Concen: 2132.314 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 88 Resp: 6630

Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.7	43.1
58	70.5	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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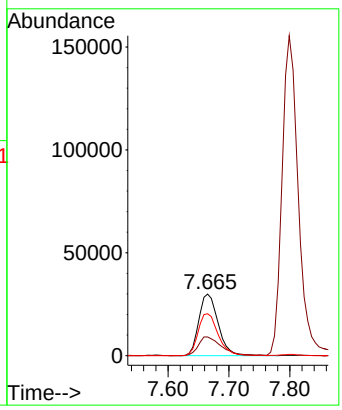
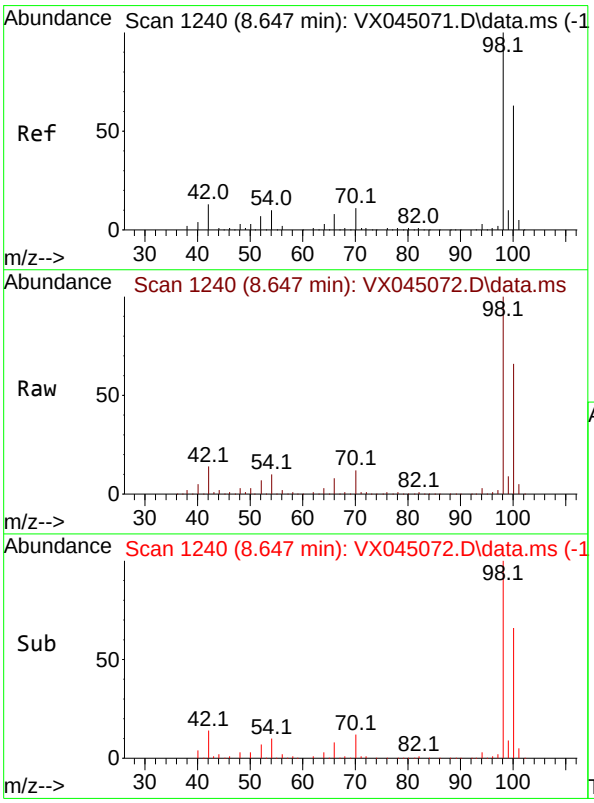
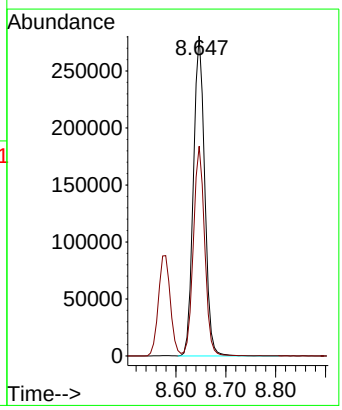


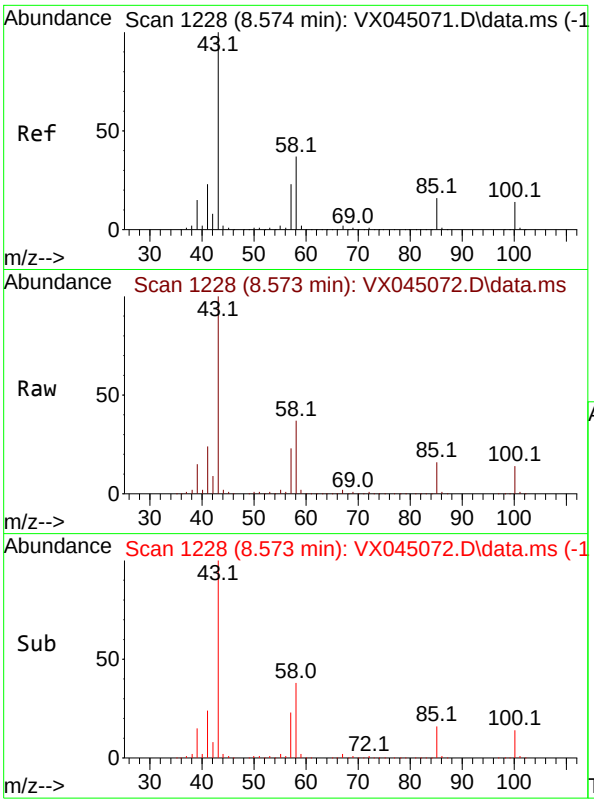


#50
Toluene-d8
Concen: 99.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 98 Resp: 441188

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0

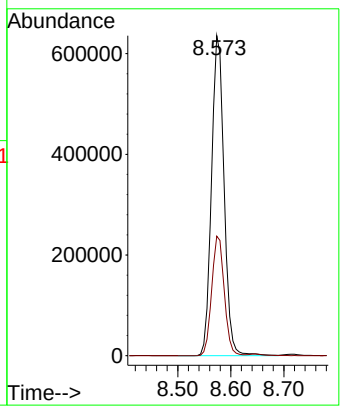




#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 104814

Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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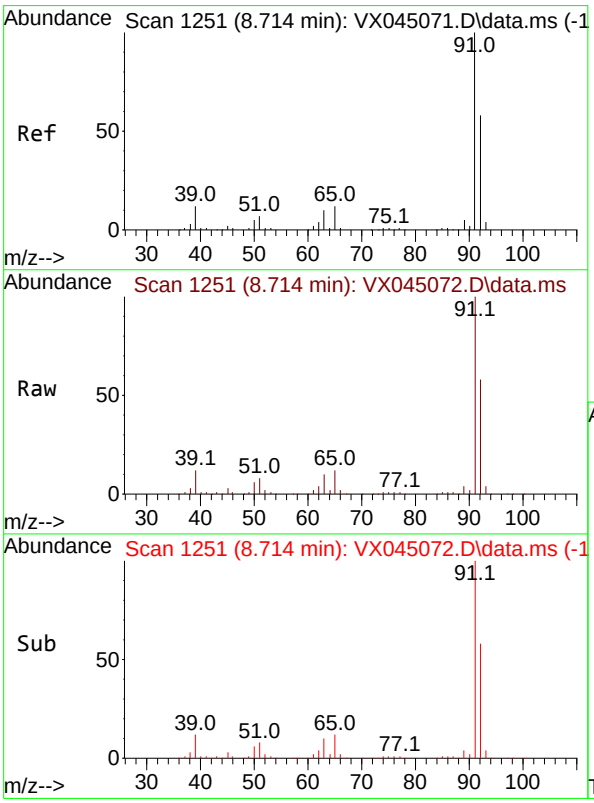
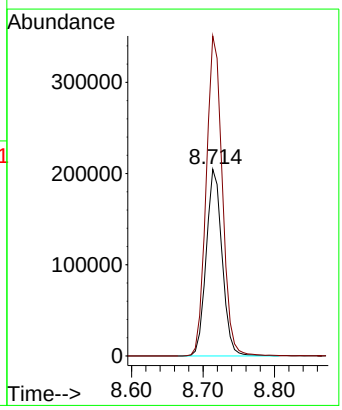
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

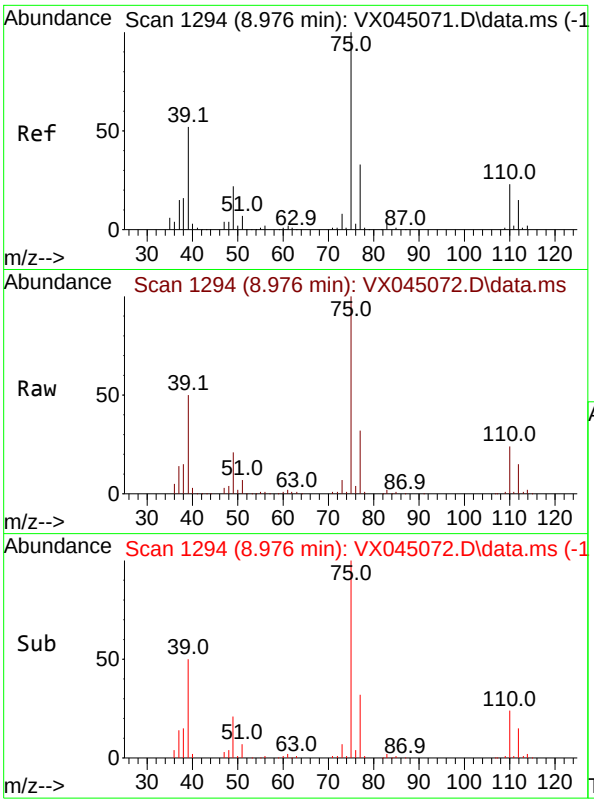


#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.9	208.3

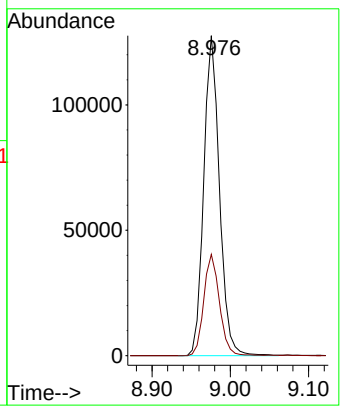




#53
t-1,3-Dichloropropene
Concen: 100.462 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 17735

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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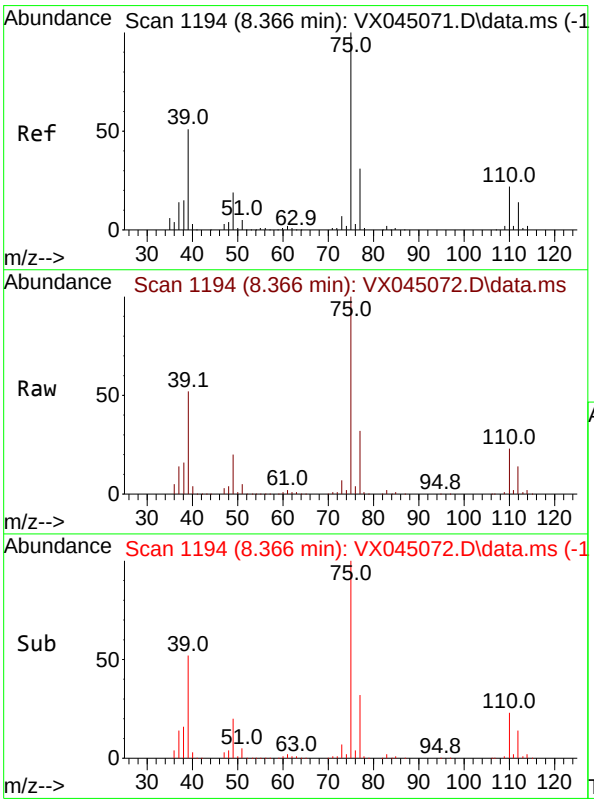
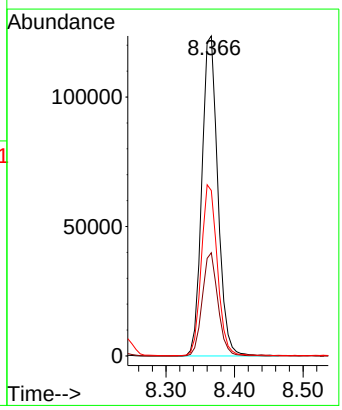
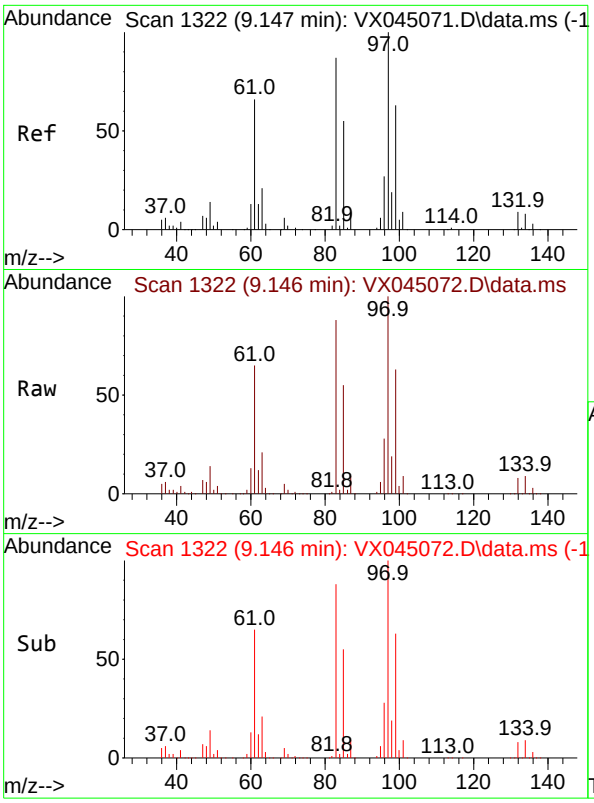


#54
cis-1,3-Dichloropropene
Concen: 101.815 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 200943

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	51.6	40.7	61.1

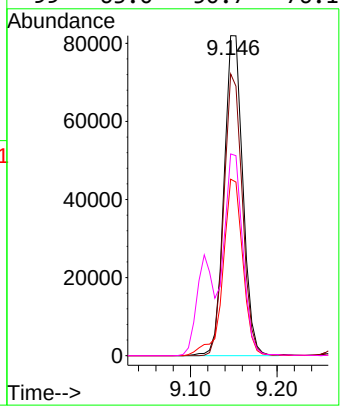




#55
1,1,2-Trichloroethane
Concen: 100.920 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 97 Resp: 12342

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.2
85	55.1	44.1	66.1
99	63.0	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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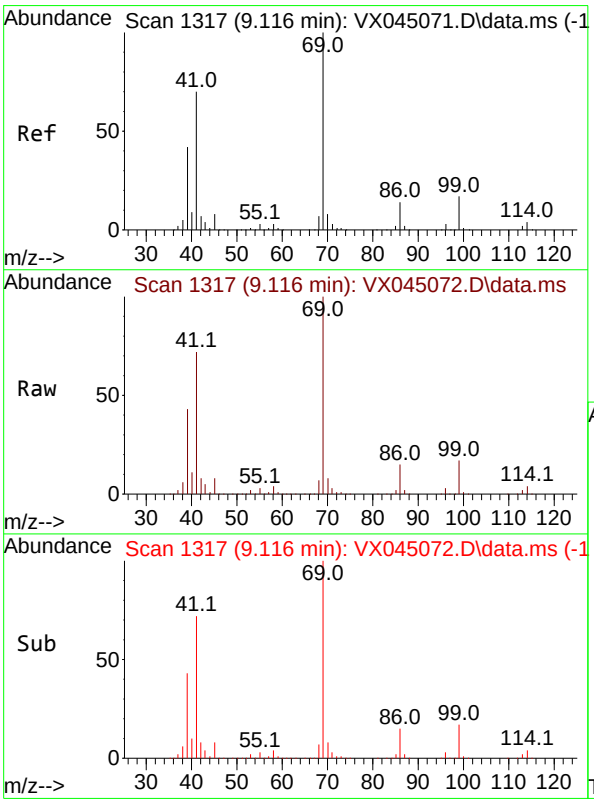
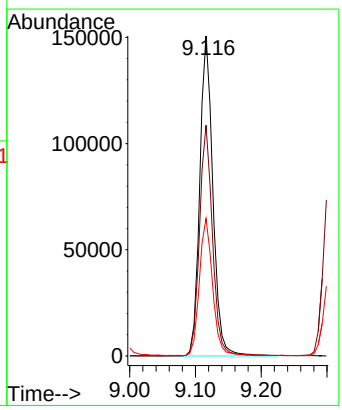
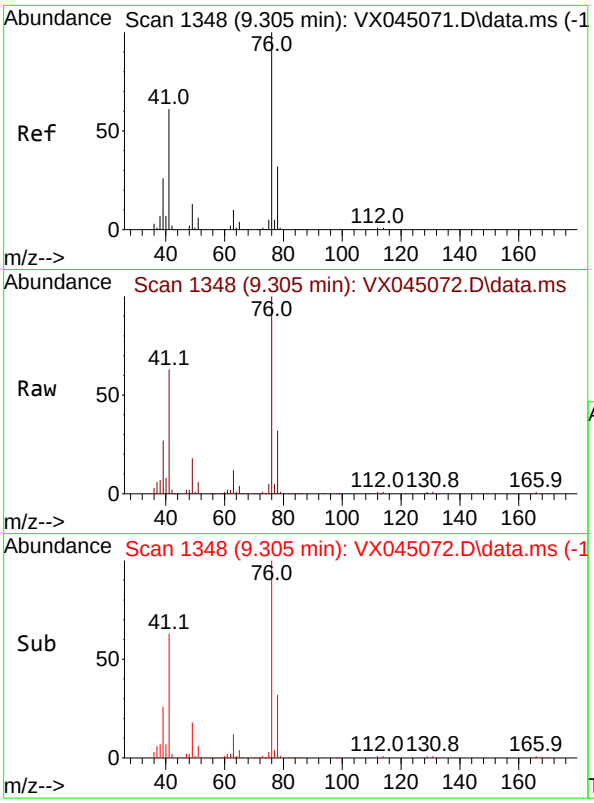


#56
Ethyl methacrylate
Concen: 106.744 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 69 Resp: 208782

Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.0	85.4
39	43.0	34.2	51.4





#57
1,3-Dichloropropane
Concen: 101.387 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 76 Resp: 21626

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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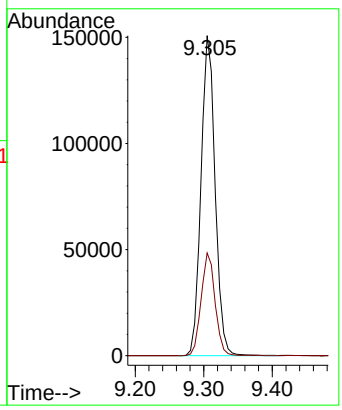
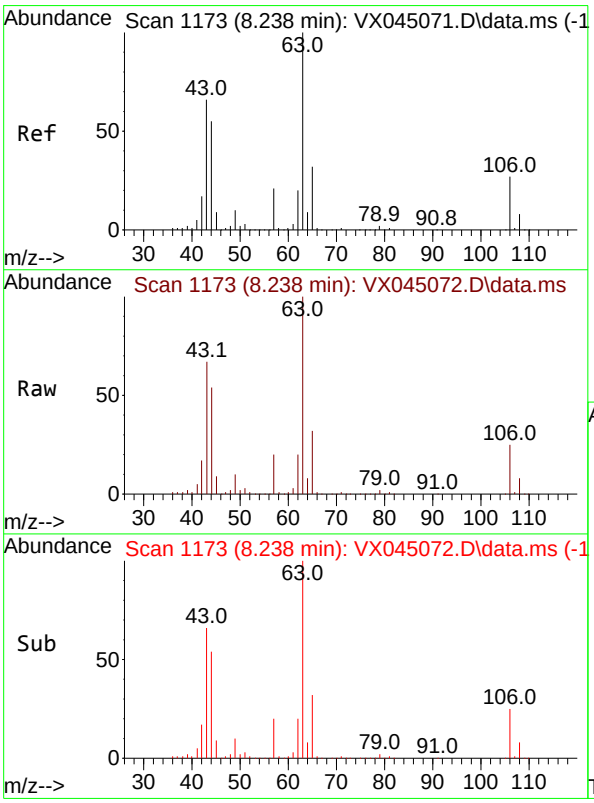
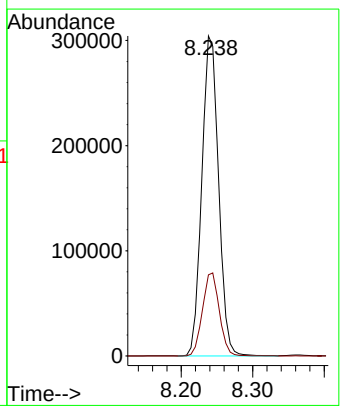


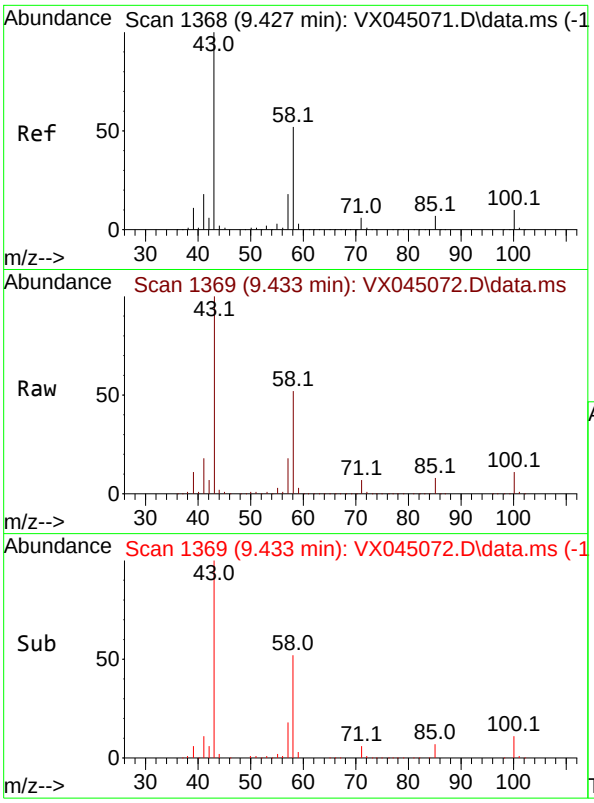


#58
2-Chloroethyl Vinyl ether
Concen: 514.987 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 494551

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3





#59
2-Hexanone
Concen: 572.233 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 77949

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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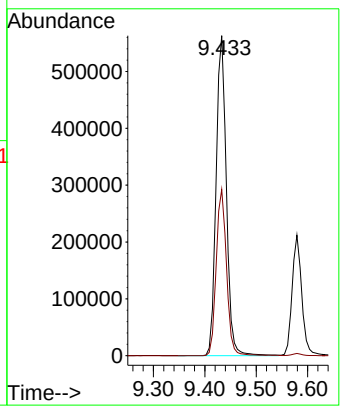
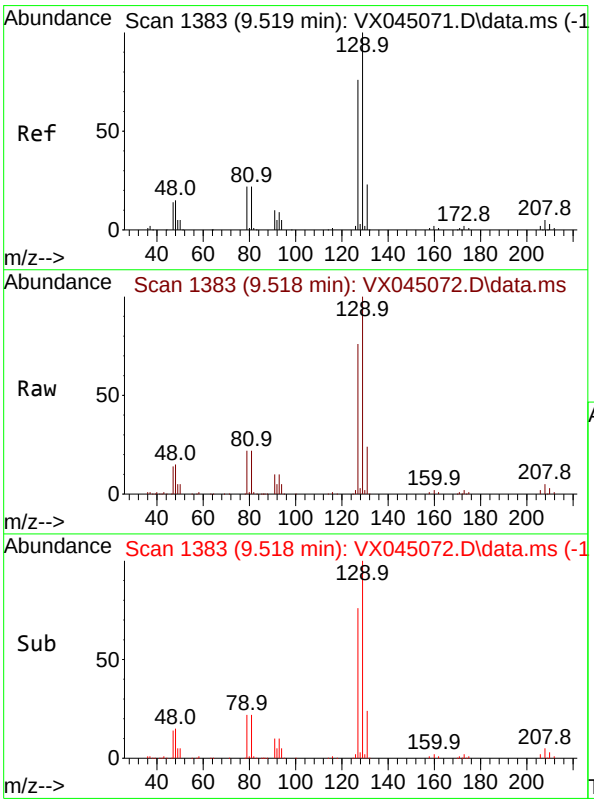
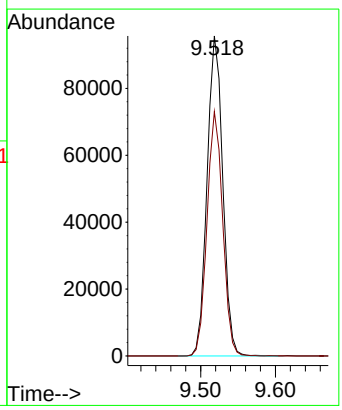


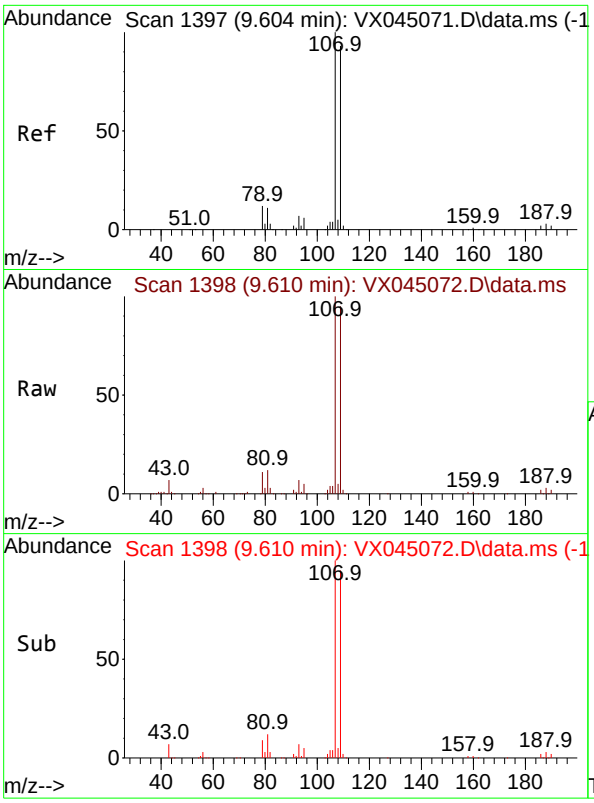


#60
Dibromochloromethane
Concen: 106.719 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:129 Resp: 139245

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5

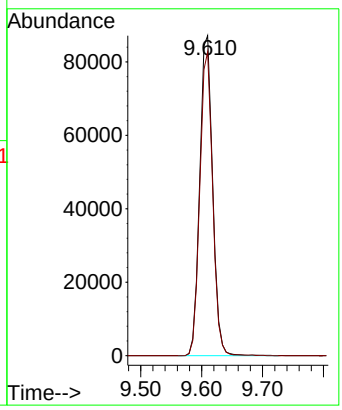




#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:107 Resp: 12861

Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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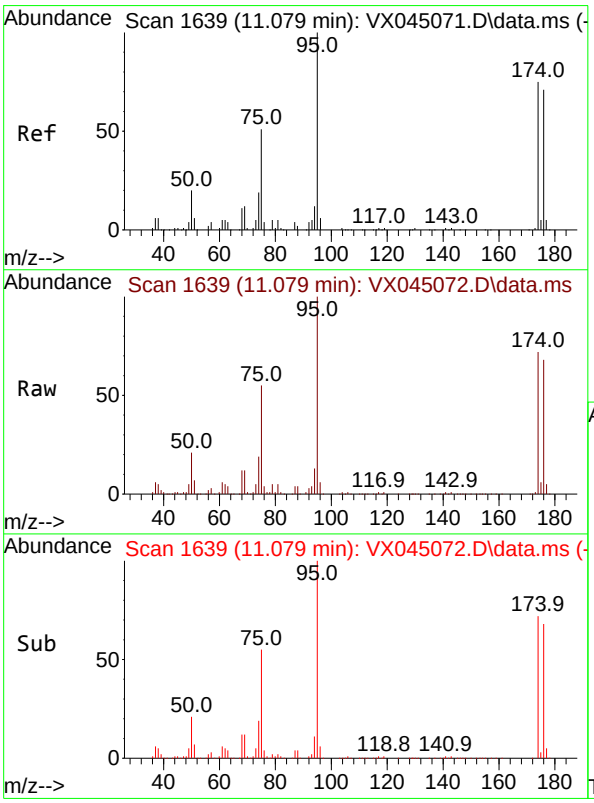
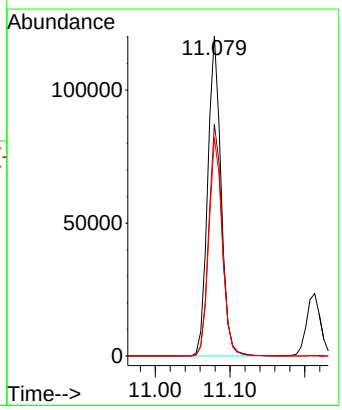
Supervised By :Mahesh Dadoda 02/28/2025

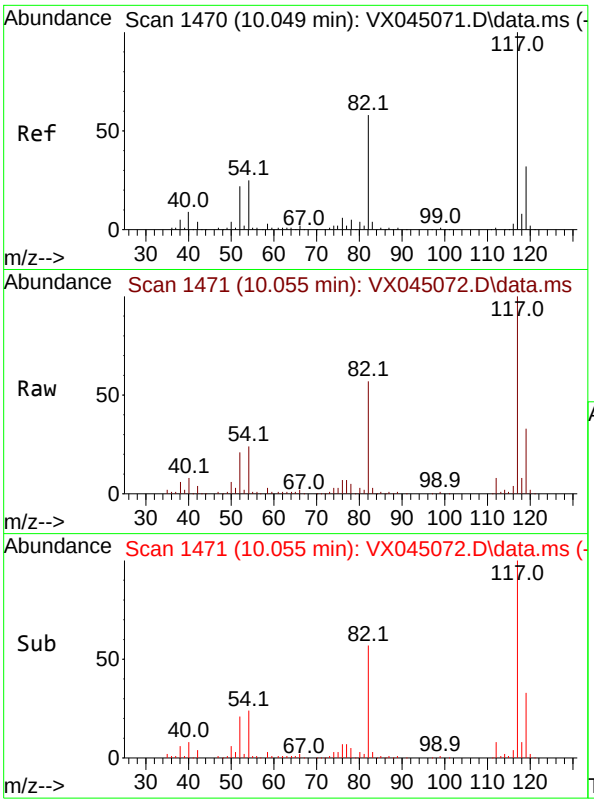


#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 95 Resp: 148476

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	69.2	0.0	141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

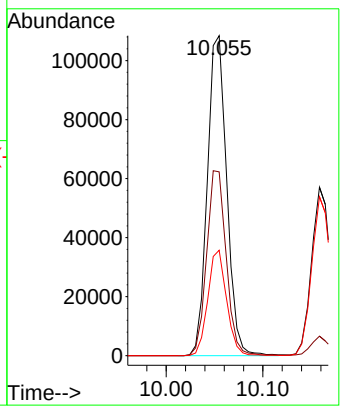
Tgt Ion:117 Resp: 15117

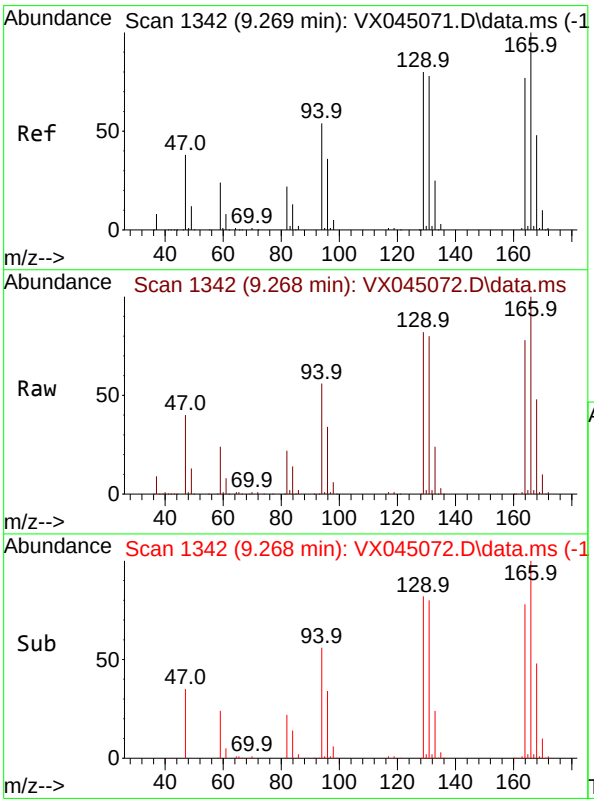
Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	33.0	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

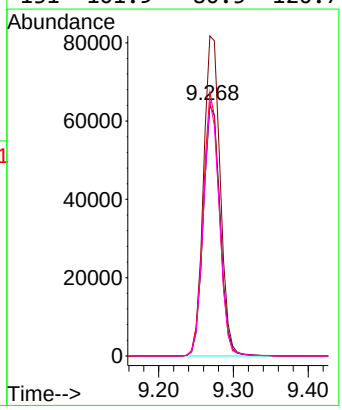


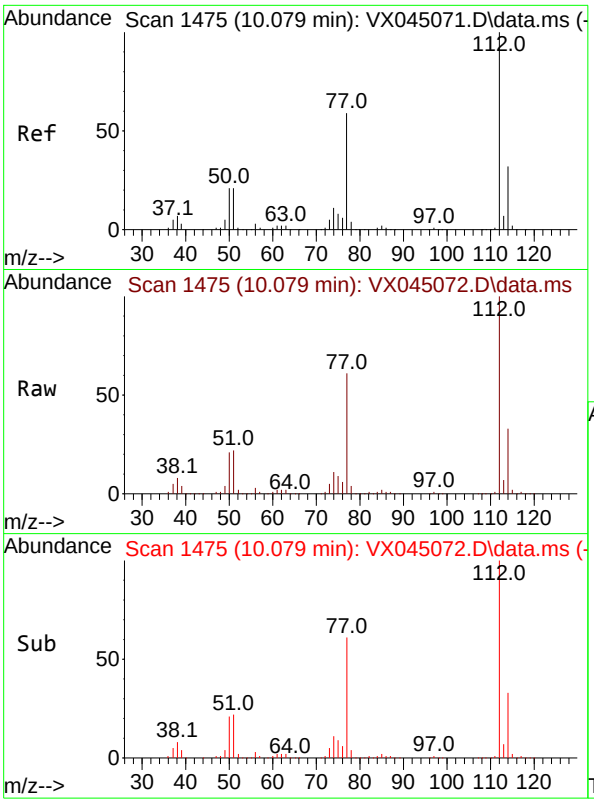


#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:164 Resp: 99386

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	105.2	82.7	124.1
131	101.9	80.5	120.7

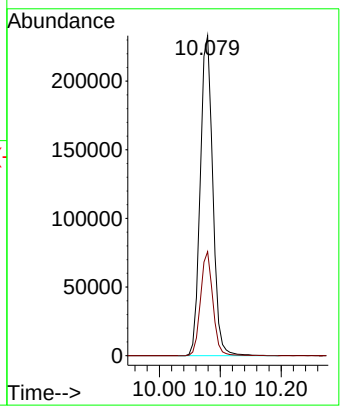




#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:112 Resp: 33247

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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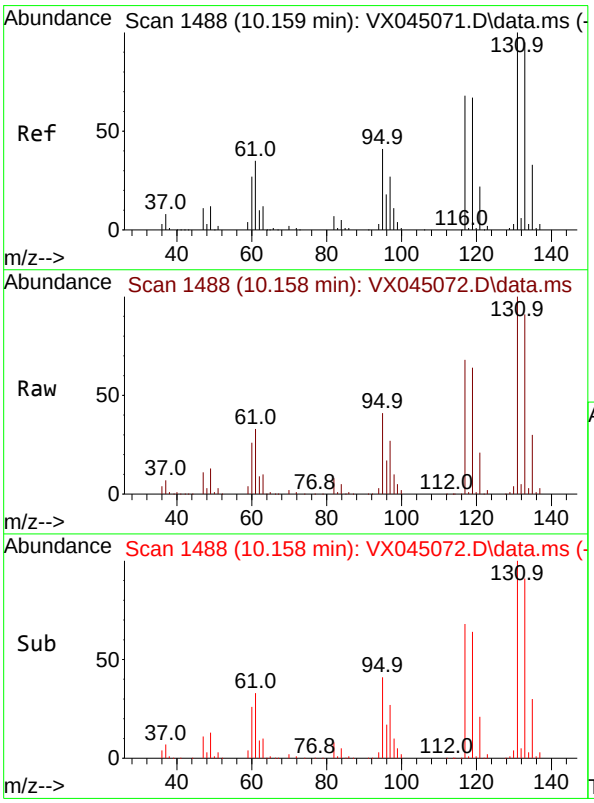
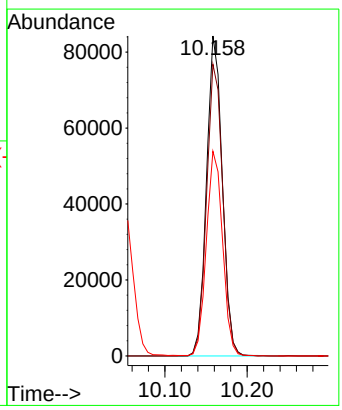
Supervised By :Mahesh Dadoda 02/28/2025

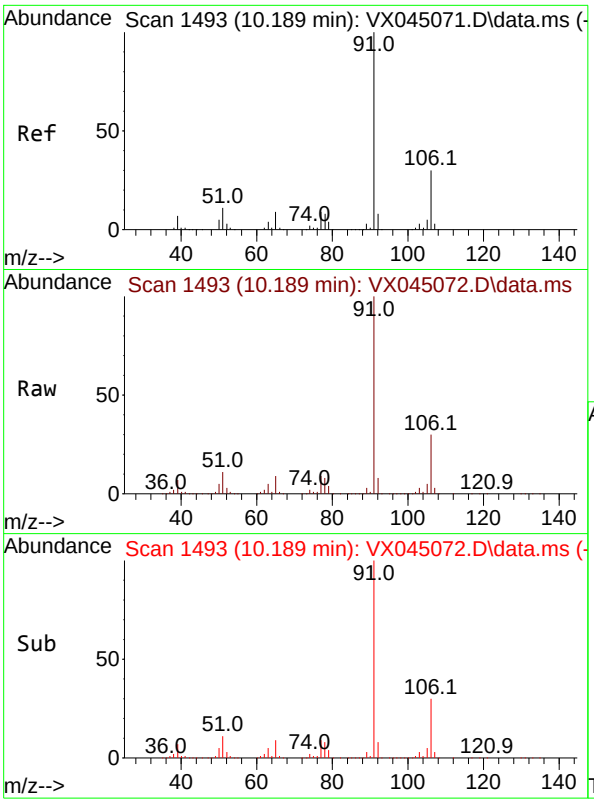


#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:131 Resp: 112451

Ion	Ratio	Lower	Upper
131	100		
133	93.1	48.6	145.9
119	65.8	33.9	101.7





#67
Ethyl Benzene
Concen: 103.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 59625

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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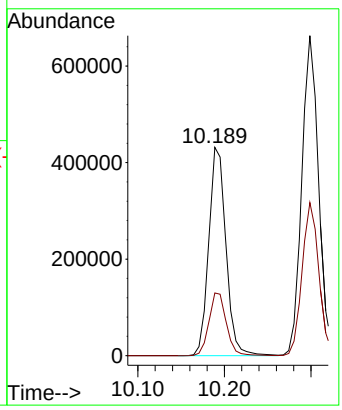
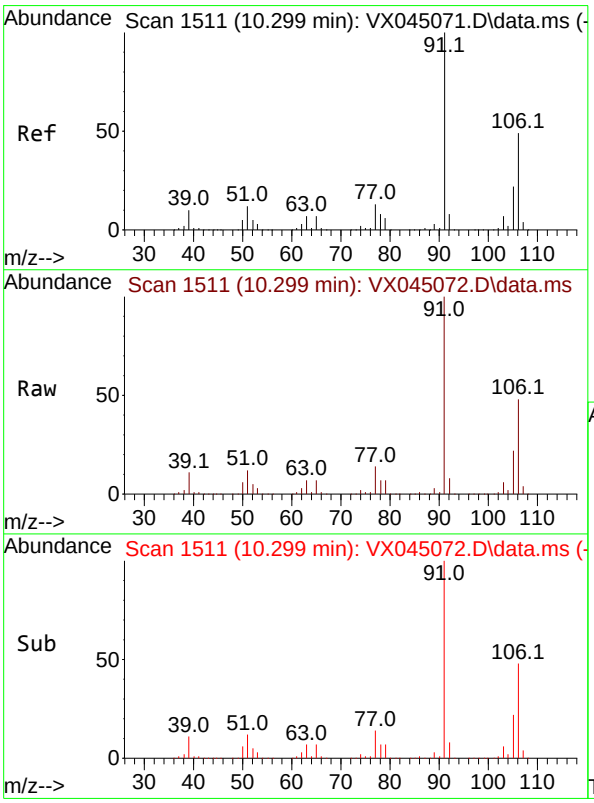
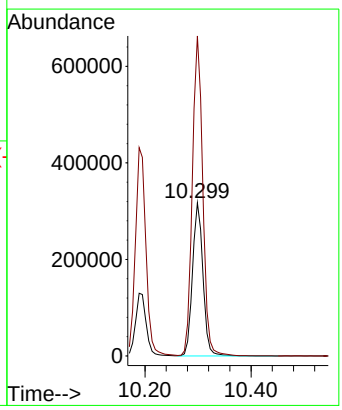


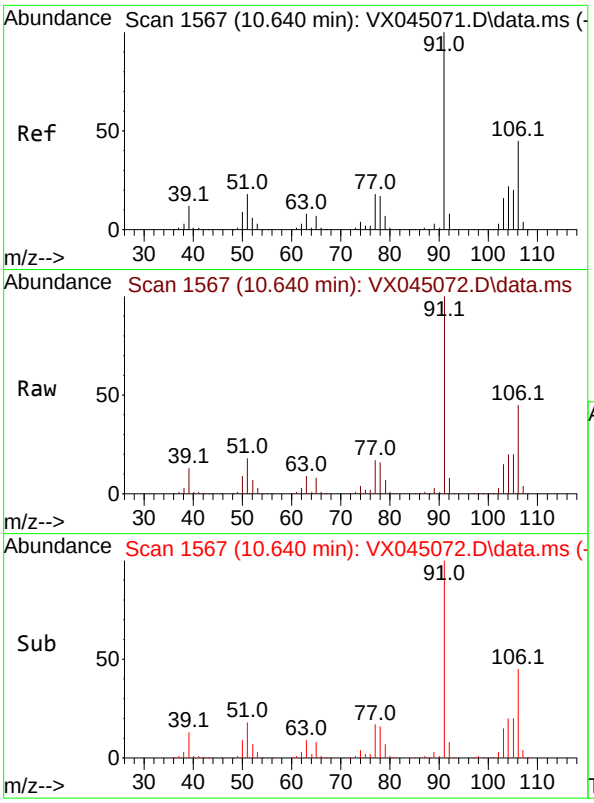


#68
m/p-Xylenes
Concen: 204.507 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 432214

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0

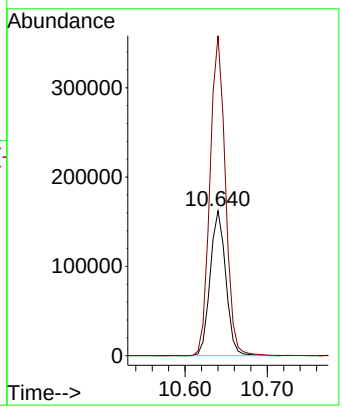




#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 21383

Ion	Ratio	Lower	Upper
106	100		
91	218.2	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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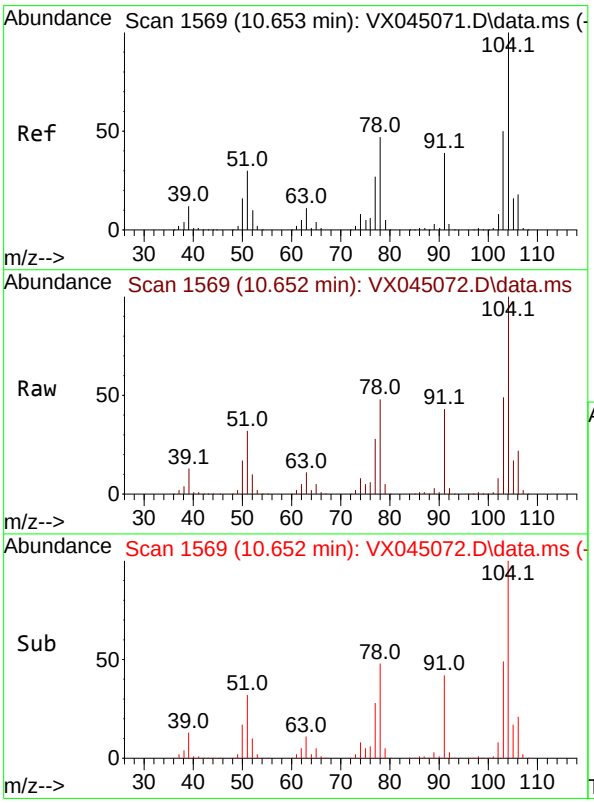
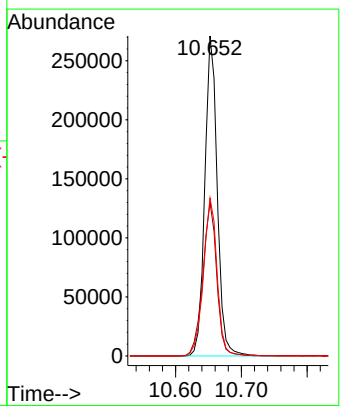
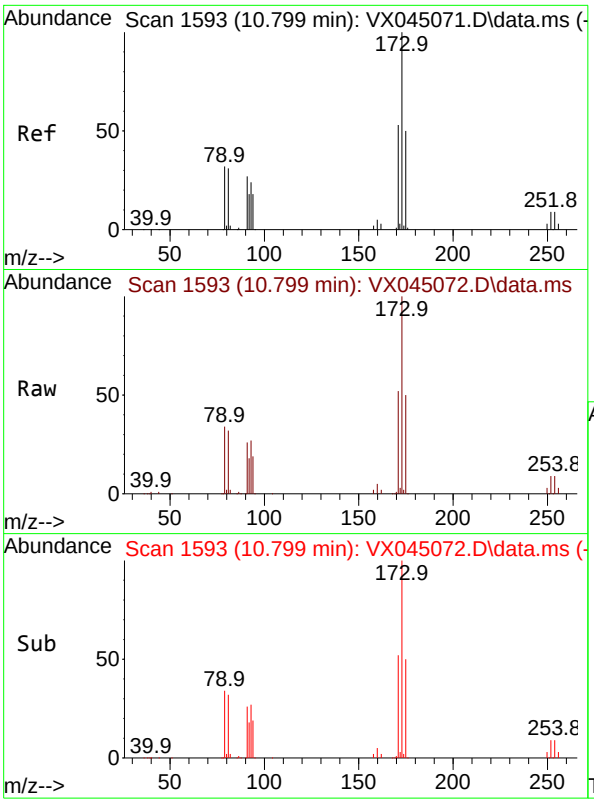


#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:104 Resp: 357649

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.2	63.4
103	54.3	43.8	65.8

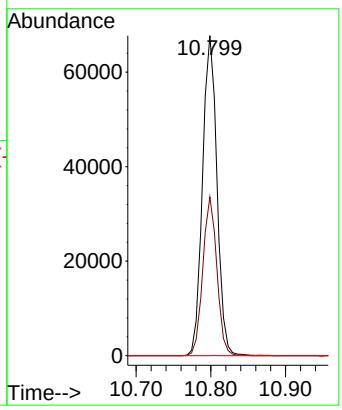




#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:173 Resp: 9080

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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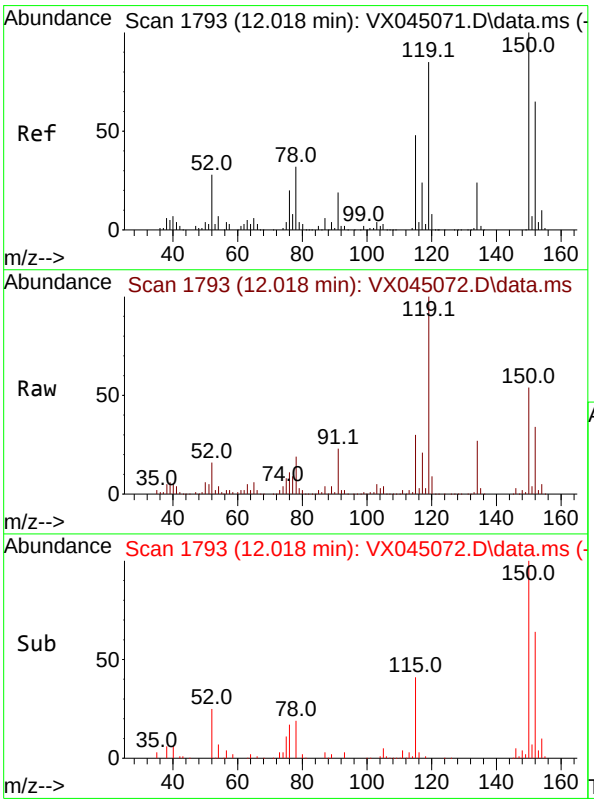
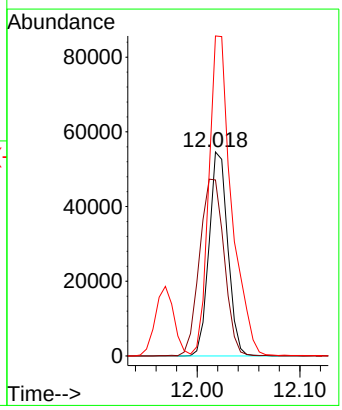
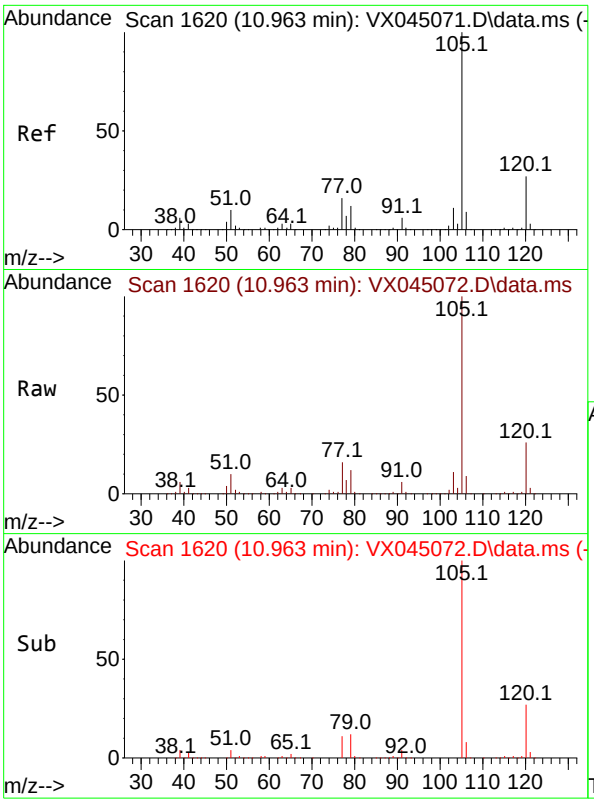


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:152 Resp: 69086

Ion	Ratio	Lower	Upper
152	100		
115	114.1	44.2	132.6
150	190.7	0.0	349.0

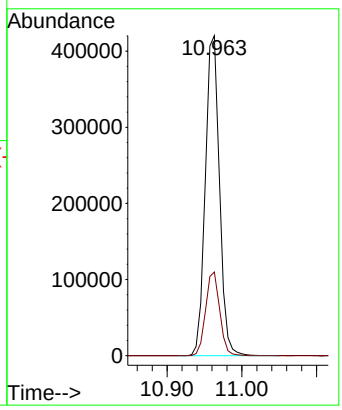




#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 55353

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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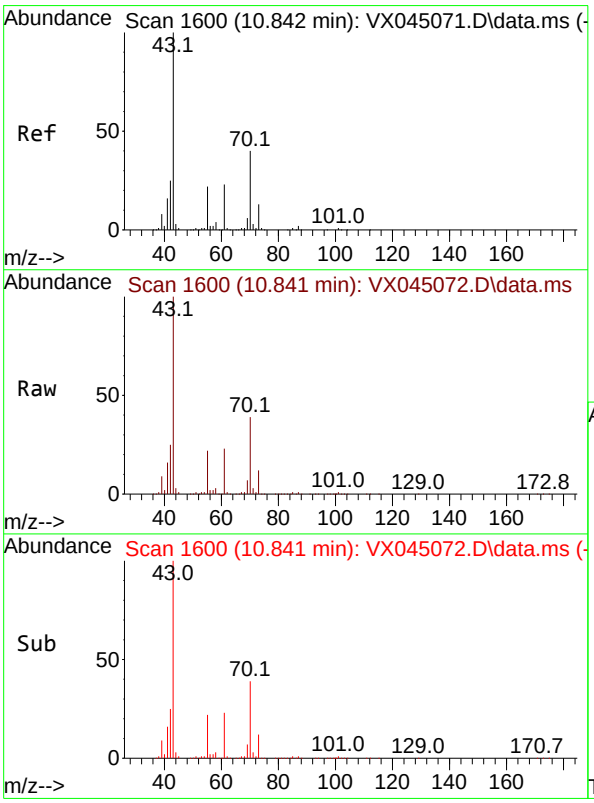
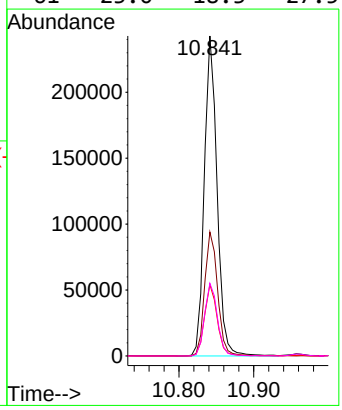
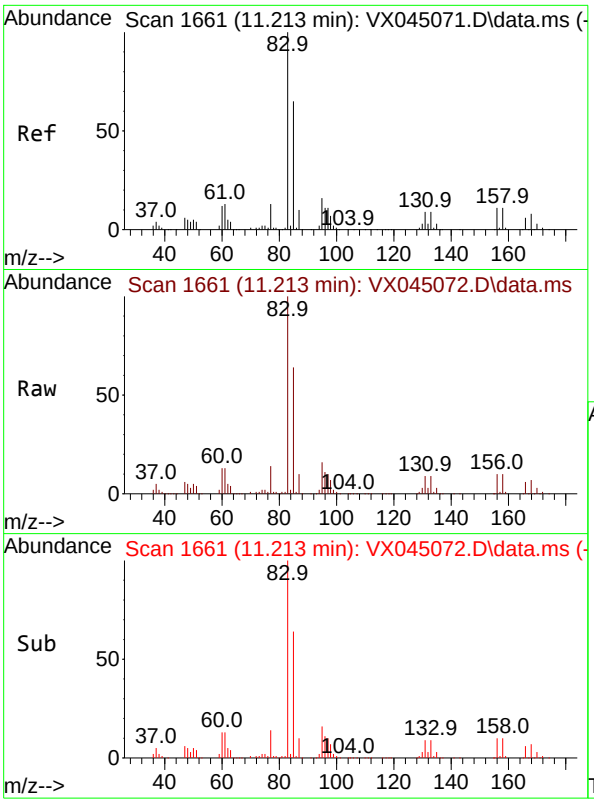


#74
N-amyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 287104

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 19221

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.7	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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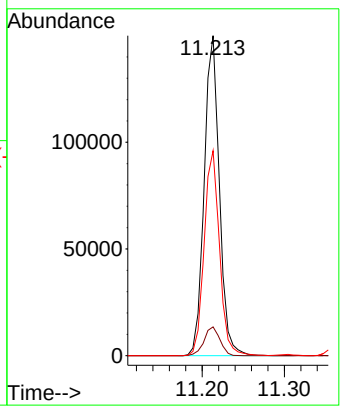
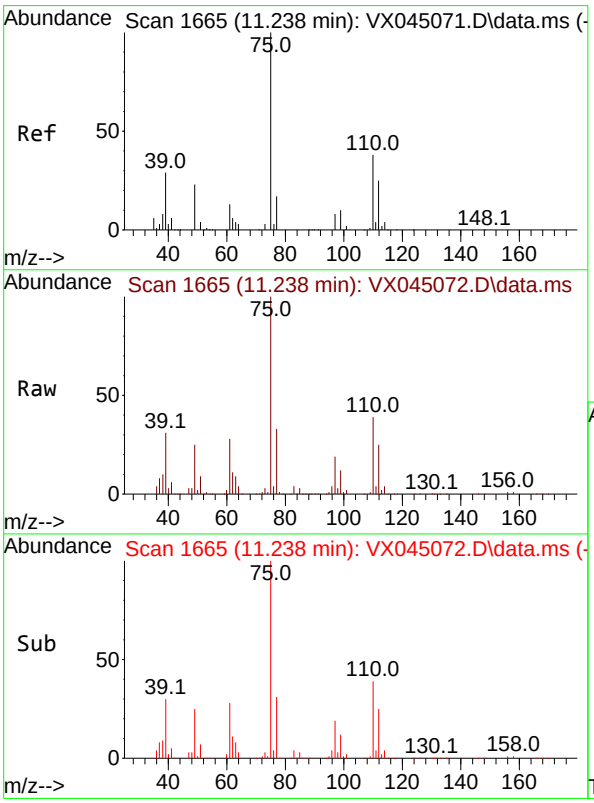
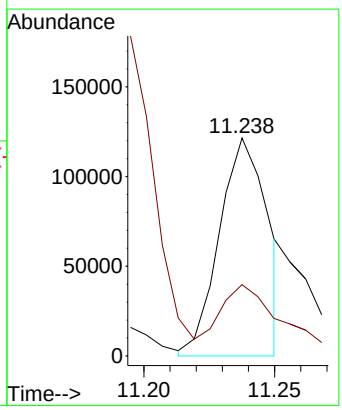


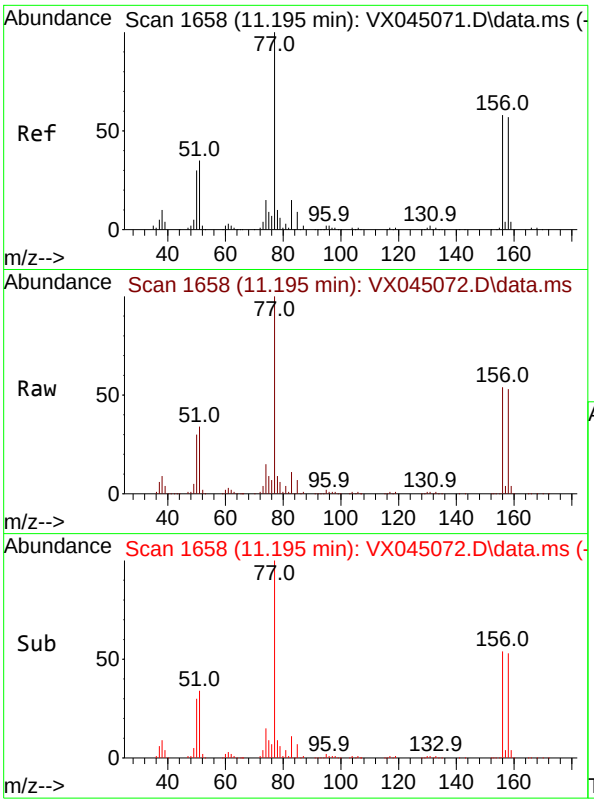


#76
1,2,3-Trichloropropane
Concen: 101.395 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 156259

Ion	Ratio	Lower	Upper
75	100		
77	42.7	20.7	62.1





#77
Bromobenzene
Concen: 99.175 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:156 Resp: 12570

Ion	Ratio	Lower	Upper
156	100		
77	177.3	85.8	257.4
158	95.9	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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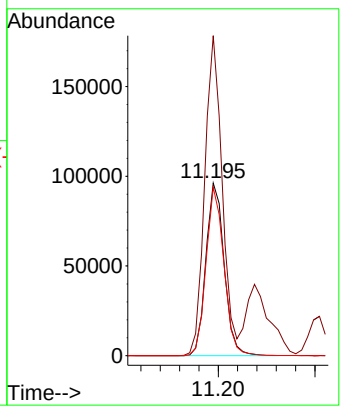
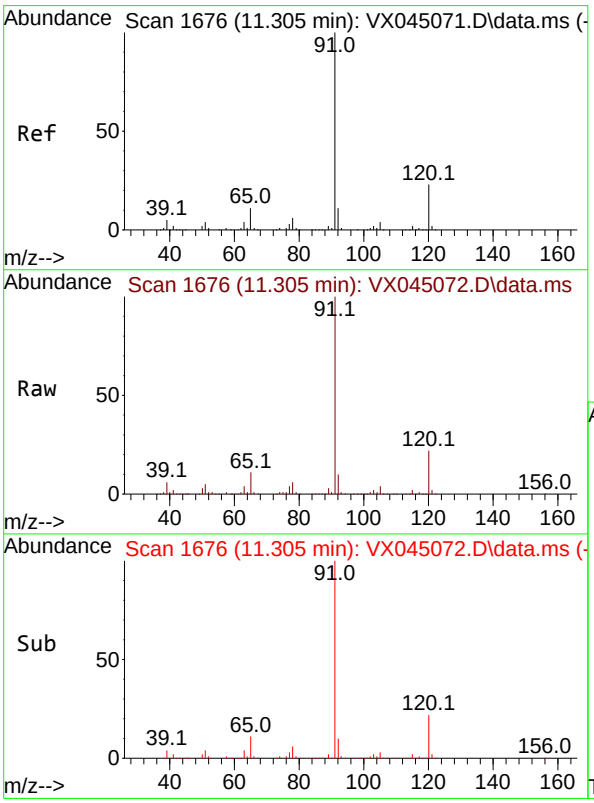
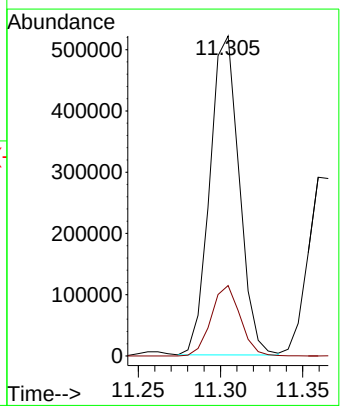


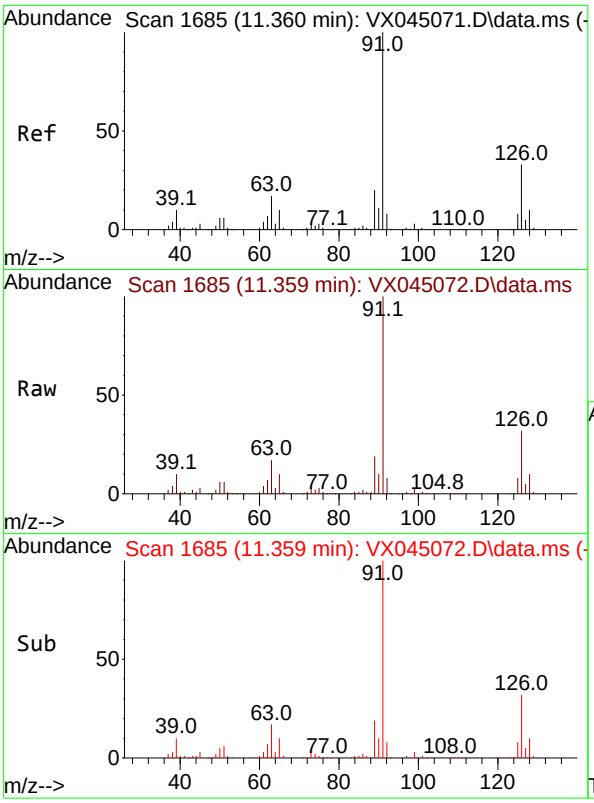


#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 648835

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6





#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 38270

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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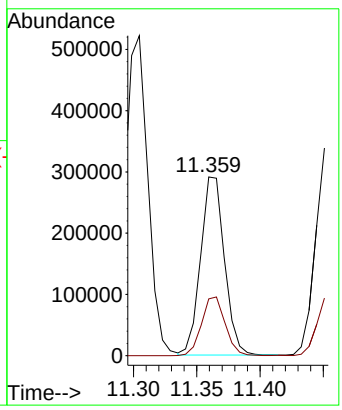
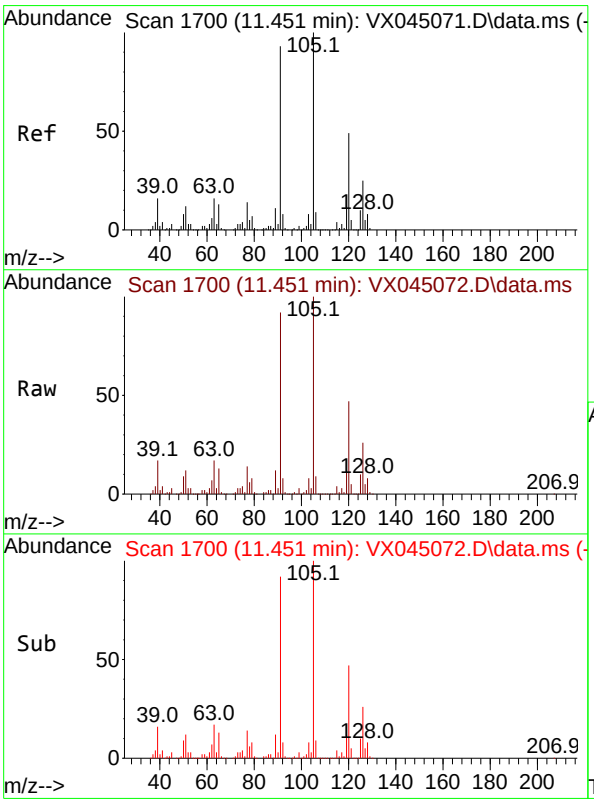
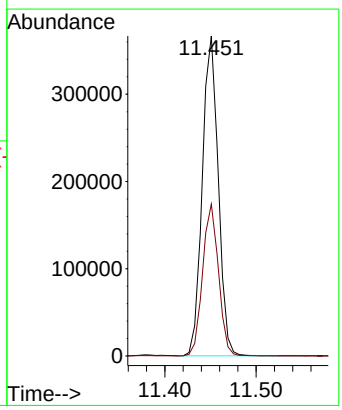


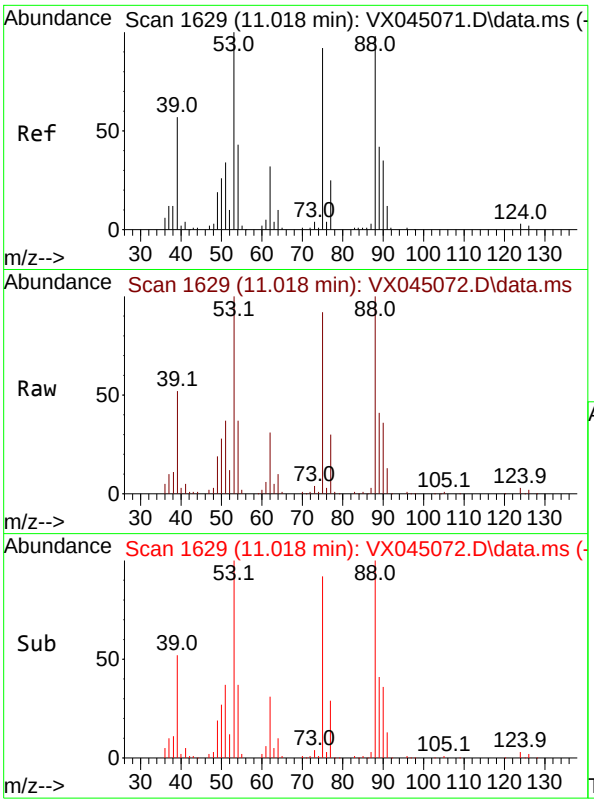


#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 445466

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 5197

Ion	Ratio	Lower	Upper
75	100		
53	109.9	88.5	132.7
89	45.7	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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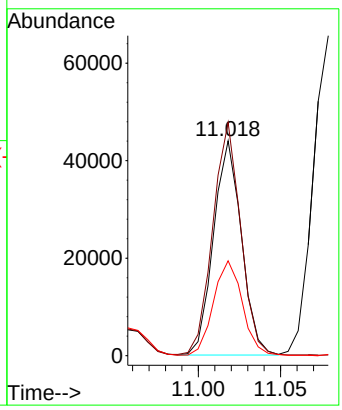
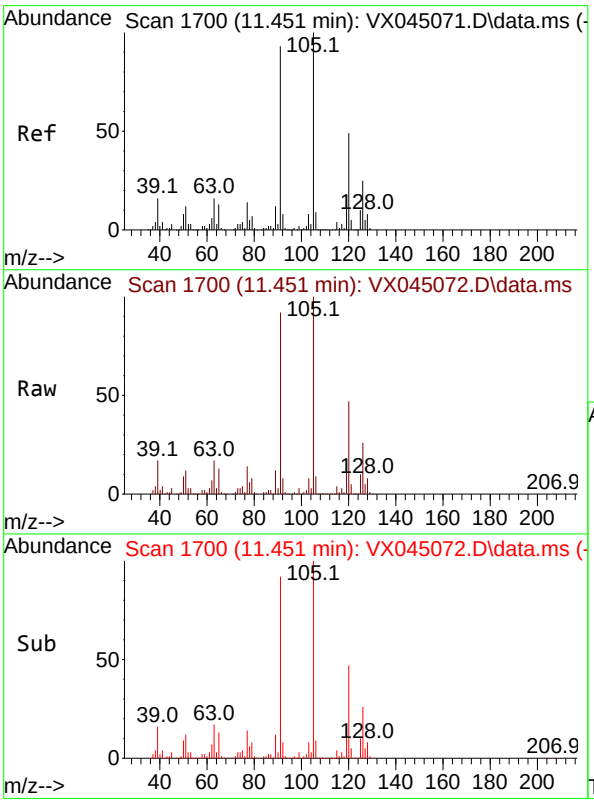
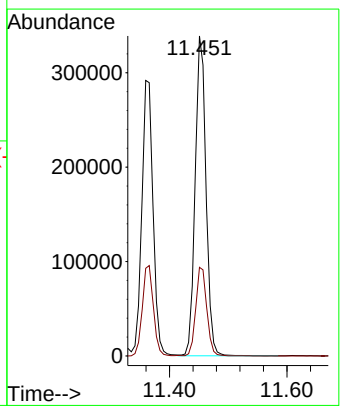


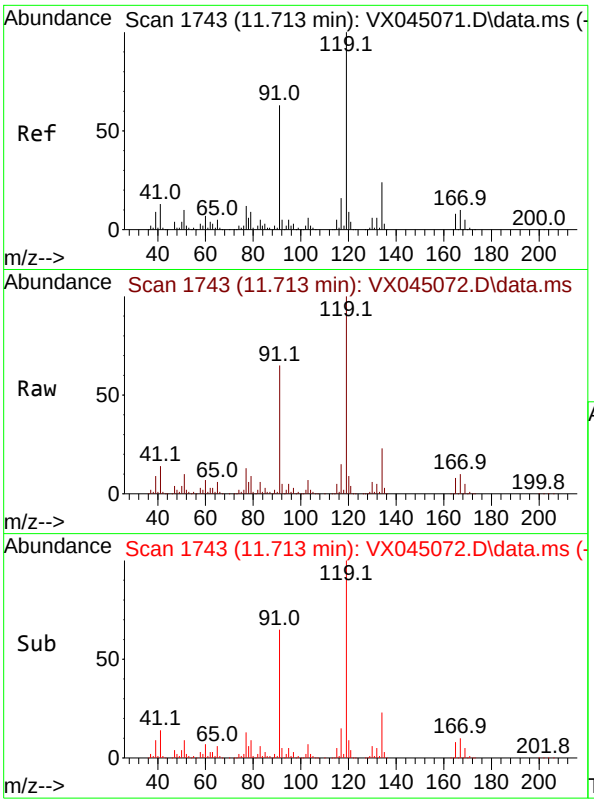


#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 433881

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4

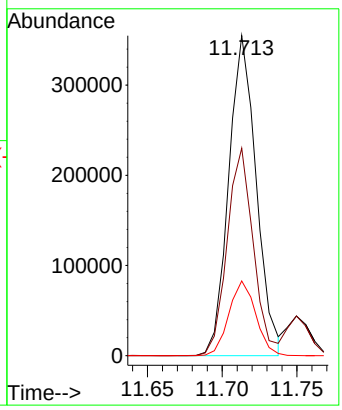




#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 45485

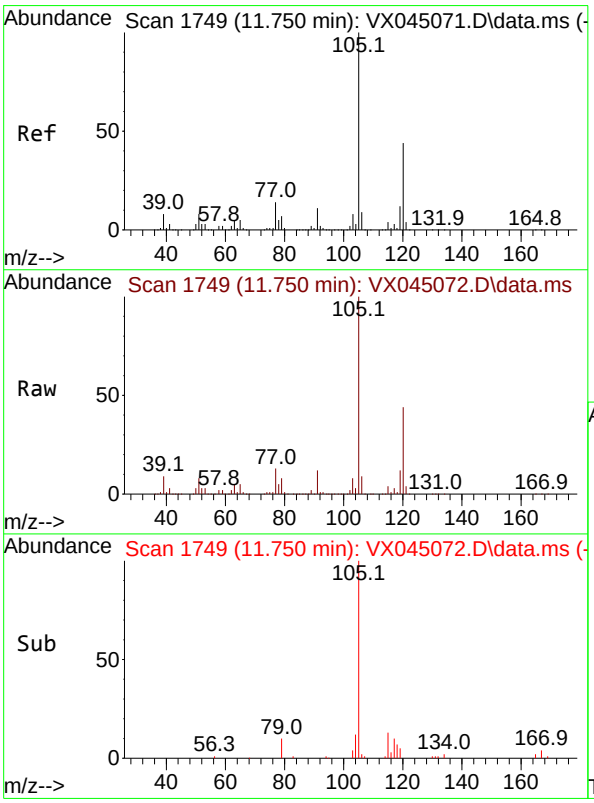
Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.7	92.1
134	22.8	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

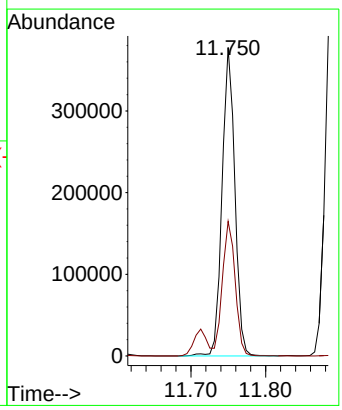
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

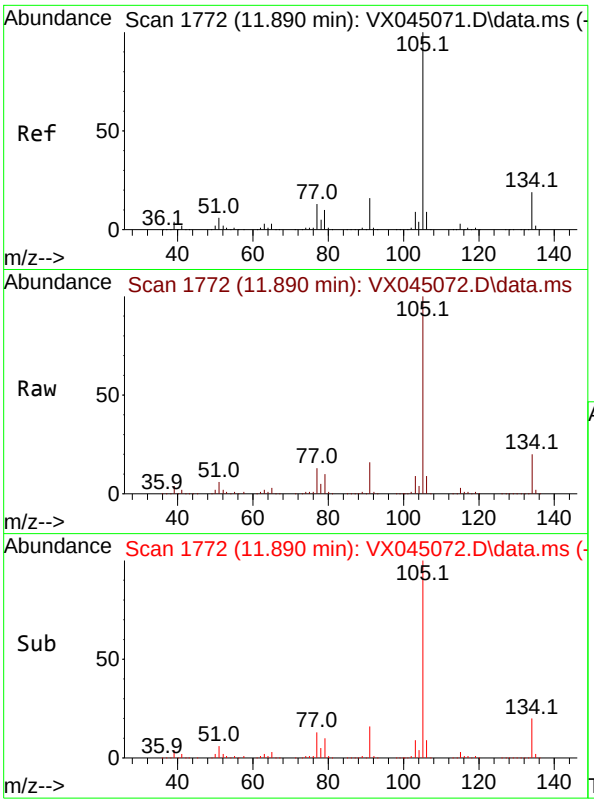


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 450108

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1

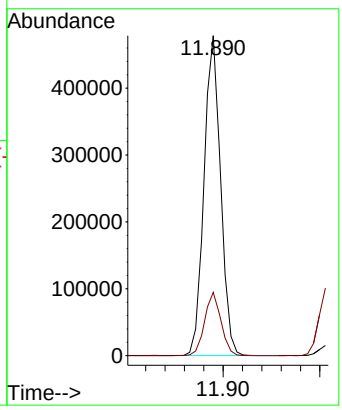




#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 57000

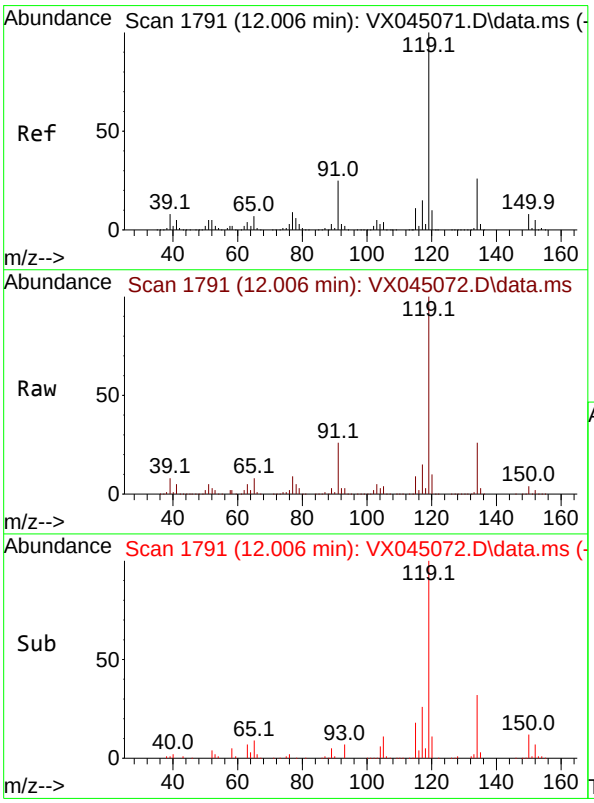
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

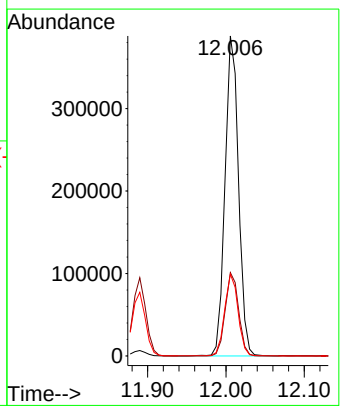
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

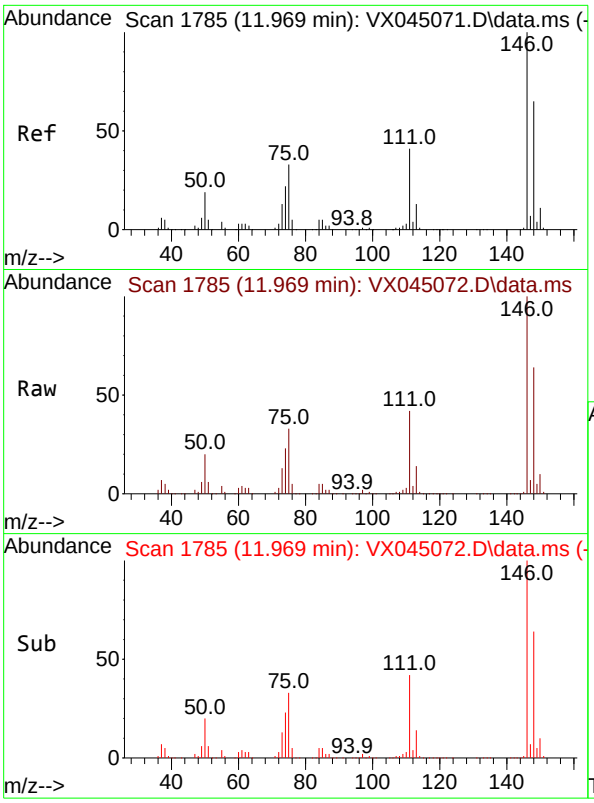


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 465512

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.3	12.7	38.0





#87
1,3-Dichlorobenzene
Concen: 99.903 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

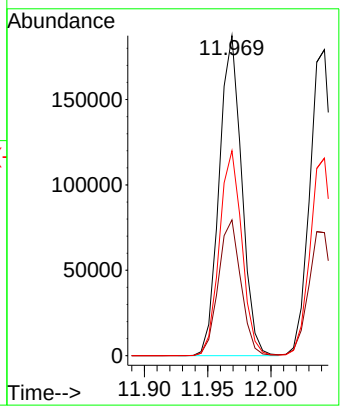
Tgt Ion:146 Resp: 23144

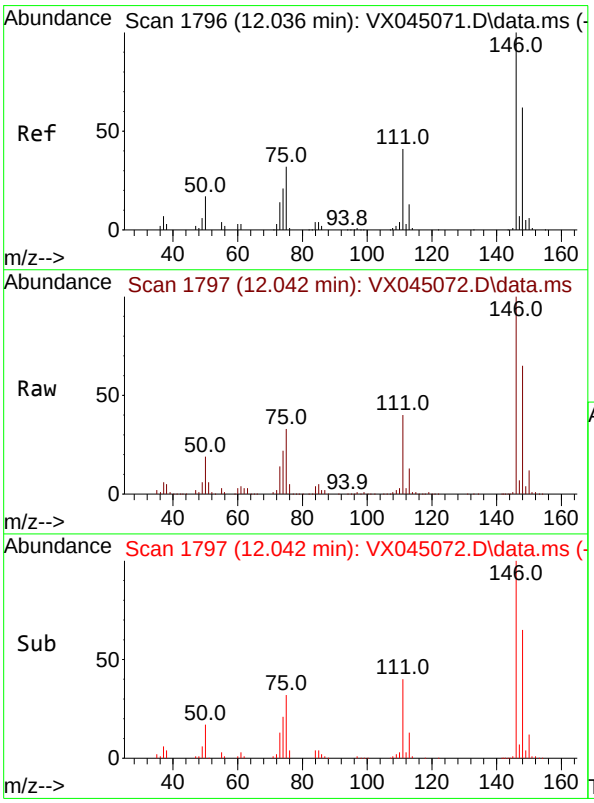
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.1	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

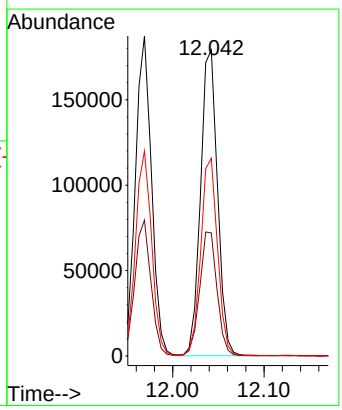


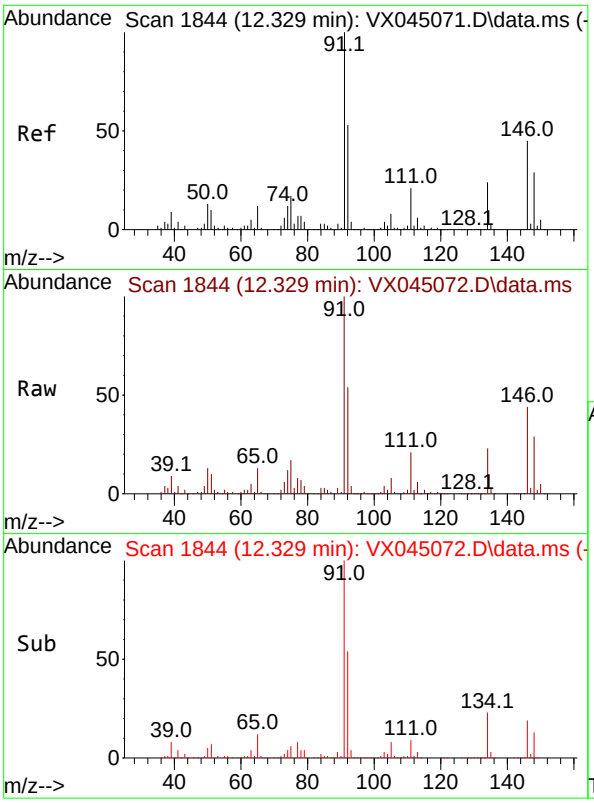


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 230663

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.5
148	63.9	31.9	95.9

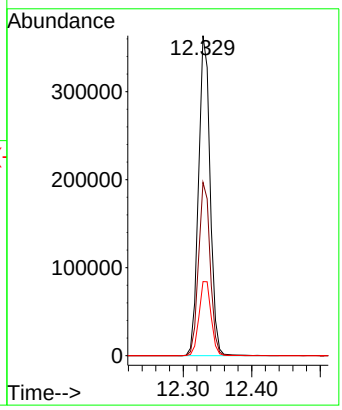




#89
n-Butylbenzene
Concen: 107.000 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 42820

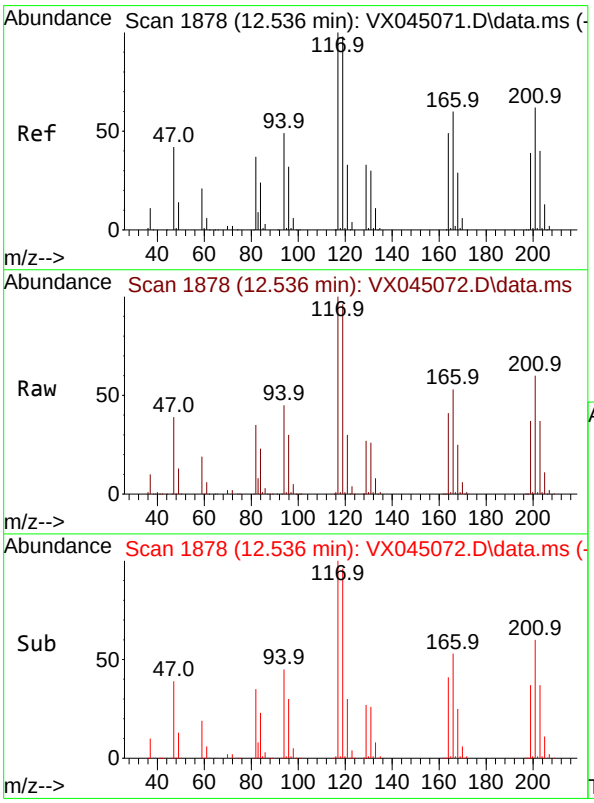
Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	24.2	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

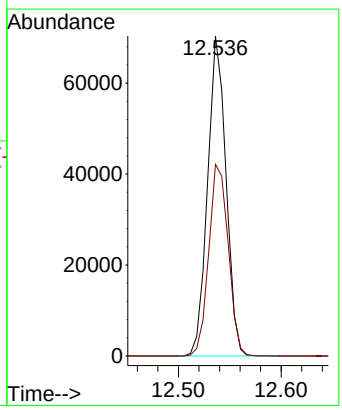
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

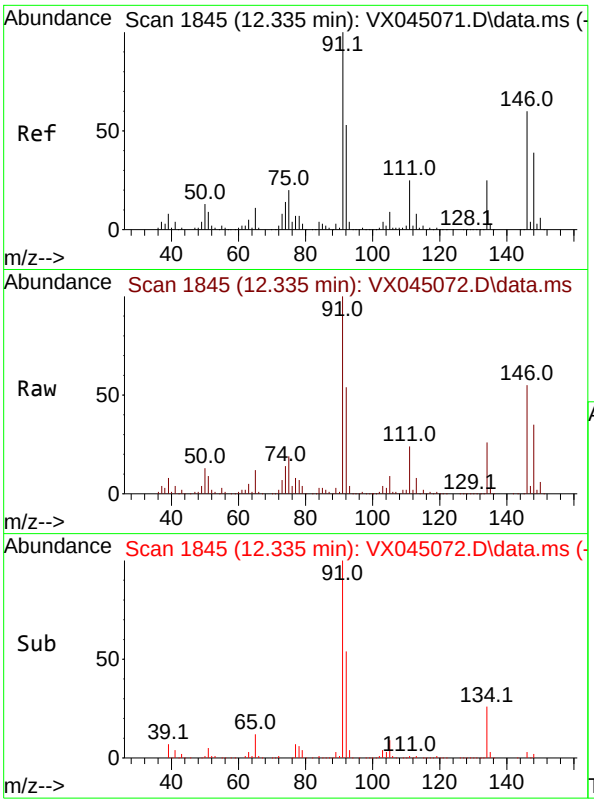


#90
Hexachloroethane
Concen: 102.980 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 87448

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9

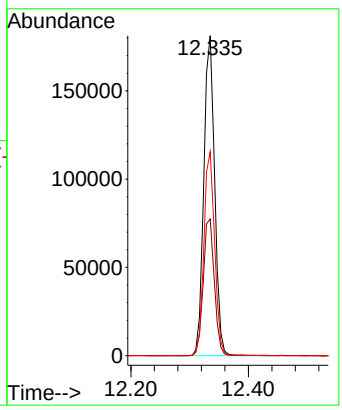




#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 23312

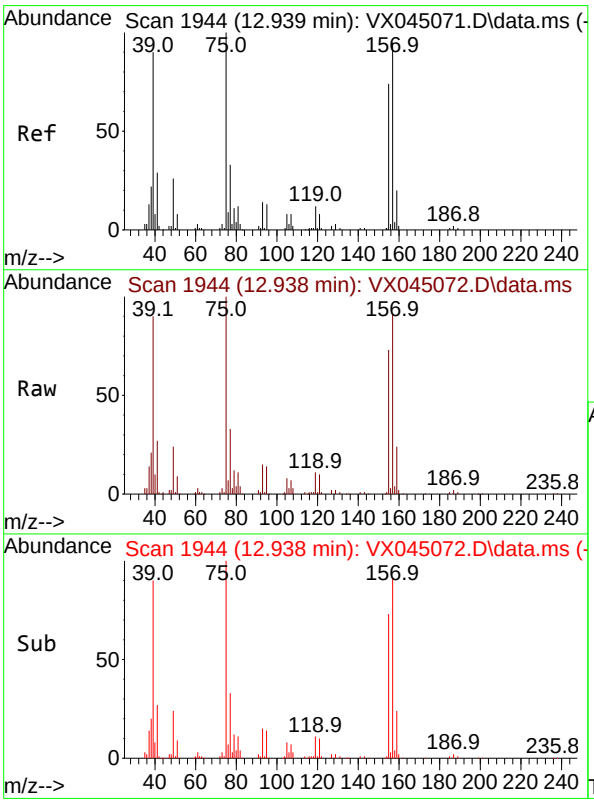
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

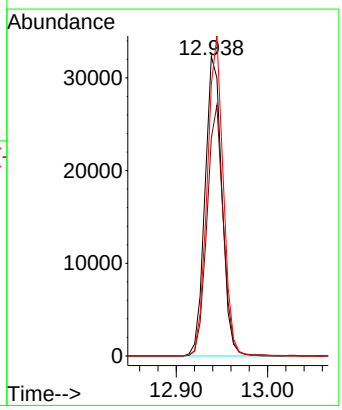
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

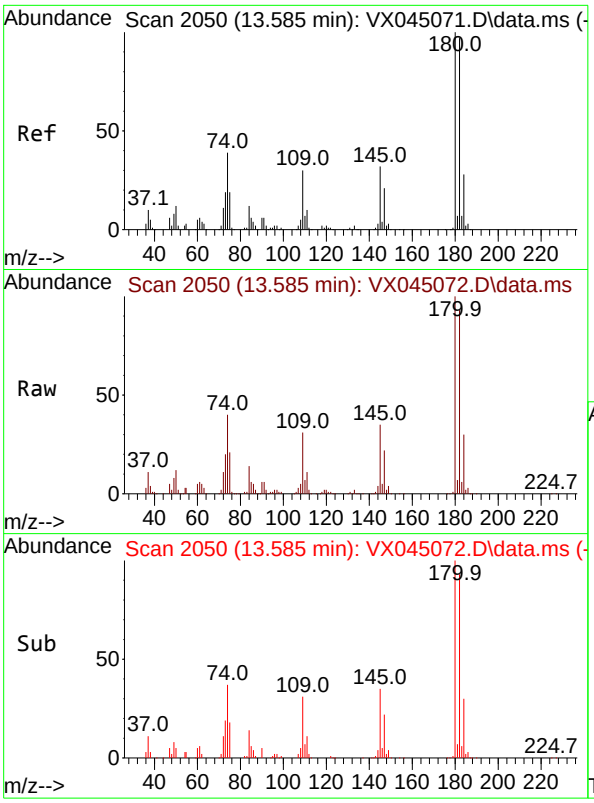


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 41402

Ion	Ratio	Lower	Upper
75	100		
155	80.6	39.6	118.7
157	101.8	51.1	153.4

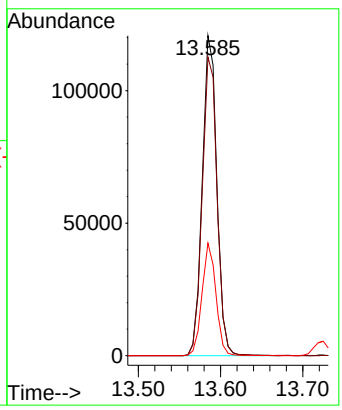




#93
1,2,4-Trichlorobenzene
Concen: 107.648 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 14836

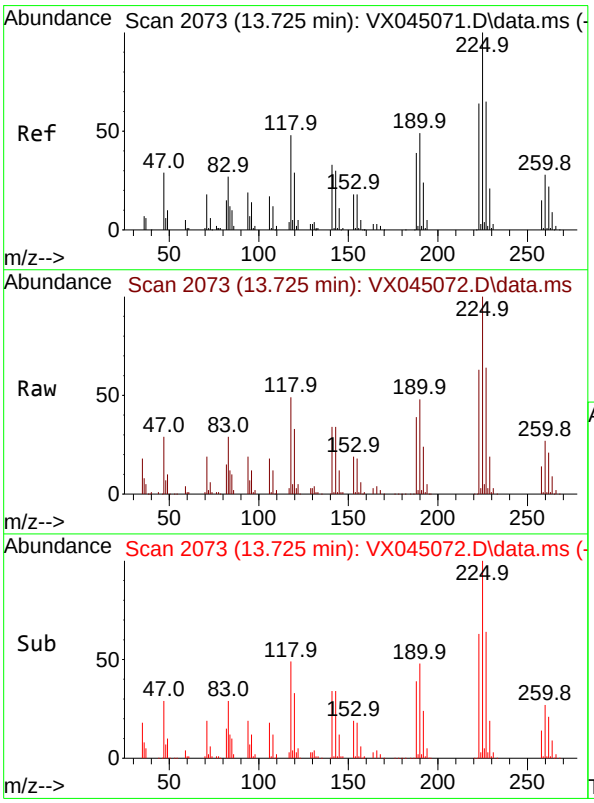
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

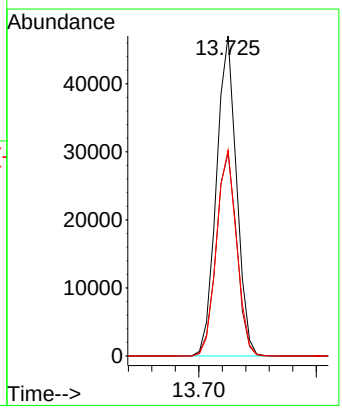
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

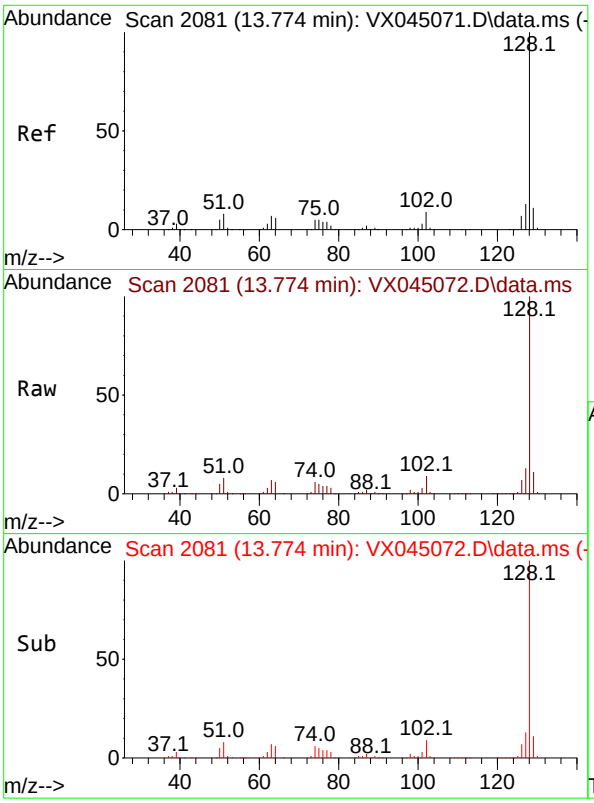


#94
Hexachlorobutadiene
Concen: 102.019 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:225 Resp: 56065

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.7
227	64.4	31.4	94.0

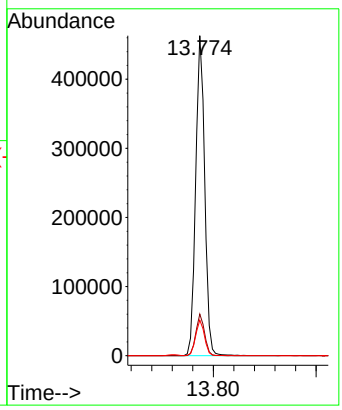




#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:128 Resp: 56525

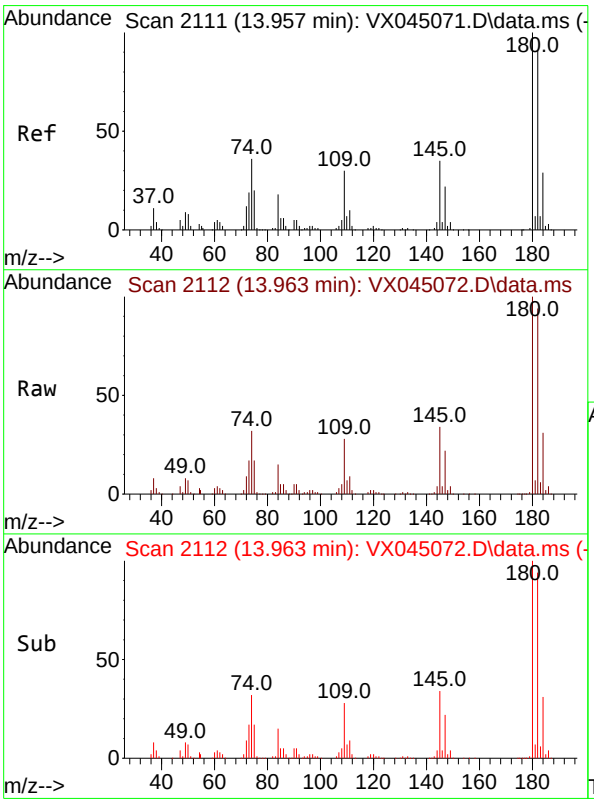
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

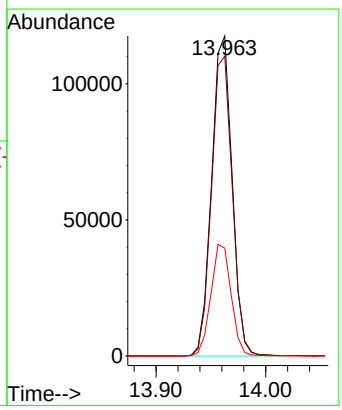
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 109.554 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 152970

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	34.5	17.0	50.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	95754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	176991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67685	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	234624	165.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 331.740%#			
35) Dibromofluoromethane	5.379	113	179722	155.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 310.720%#			
50) Toluene-d8	8.647	98	638979	147.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.080%#			
62) 4-Bromofluorobenzene	11.079	95	223346	154.420	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 308.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	174297	132.067	ug/l	96
3) Chloromethane	1.307	50	213704	133.072	ug/l	97
4) Vinyl Chloride	1.374	62	217672	138.774	ug/l	97
5) Bromomethane	1.593	94	83547	170.379	ug/l	98
6) Chloroethane	1.660	64	82101	137.509	ug/l	95
7) Trichlorofluoromethane	1.861	101	272235	135.494	ug/l	98
8) Diethyl Ether	2.136	74	110005	150.660	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	161825	134.877	ug/l	99
10) Methyl Iodide	2.441	142	212355	138.059	ug/l	99
11) Tert butyl alcohol	3.014	59	195415	754.176	ug/l	97
12) 1,1-Dichloroethene	2.300	96	173271	140.655	ug/l	96
13) Acrolein	2.239	56	263999	940.846	ug/l	98
14) Allyl chloride	2.654	41	308018	139.077	ug/l	98
15) Acrylonitrile	3.069	53	573208	813.990	ug/l	99
16) Acetone	2.392	43	511828	879.387	ug/l	100
17) Carbon Disulfide	2.495	76	487720	145.511	ug/l	98
18) Methyl Acetate	2.709	43	258303	147.347	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	619778	157.358	ug/l	99
20) Methylene Chloride	2.782	84	202913	147.198	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	176924	146.027	ug/l	98
22) Diisopropyl ether	3.764	45	662828	156.526	ug/l	98
23) Vinyl Acetate	3.721	43	2943150	846.586	ug/l	99
24) 1,1-Dichloroethane	3.605	63	363081	153.453	ug/l	99
25) 2-Butanone	4.568	43	818497	872.239	ug/l	99
26) 2,2-Dichloropropane	4.465	77	179826	102.231	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	220826	151.205	ug/l	98
28) Bromochloromethane	4.891	49	171273	150.105	ug/l	100
29) Tetrahydrofuran	5.007	42	528574	850.174	ug/l	99
30) Chloroform	5.093	83	351934	152.067	ug/l	97
31) Cyclohexane	5.458	56	302215	139.174	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	294434	151.120	ug/l	100
36) 1,1-Dichloropropene	5.684	75	241405	145.112	ug/l	100
37) Ethyl Acetate	4.721	43	316250	167.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	245917	150.363	ug/l	99
39) Methylcyclohexane	7.373	83	292216	137.544	ug/l	97
40) Benzene	6.031	78	755854	145.368	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	175023	173.088	ug/l		99
42) 1,2-Dichloroethane	6.080	62	276129	163.872	ug/l		99
43) Isopropyl Acetate	6.342	43	511643	169.804	ug/l		99
44) Trichloroethene	7.123	130	178483	150.181	ug/l		97
45) 1,2-Dichloropropane	7.428	63	198135	153.334	ug/l		100
46) Dibromomethane	7.580	93	142119	157.443	ug/l		99
47) Bromodichloromethane	7.818	83	280255	160.492	ug/l		99
48) Methyl methacrylate	7.696	41	252275	176.370	ug/l		99
49) 1,4-Dioxane	7.665	88	96268	3166.423	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1536157	832.051	ug/l		99
52) Toluene	8.714	92	448664	145.321	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	266444	154.373	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	293521	152.117	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	178217	149.046	ug/l		98
56) Ethyl methacrylate	9.116	69	310992	162.631	ug/l		98
57) 1,3-Dichloropropane	9.305	76	312196	149.699	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	717328	764.019	ug/l		99
59) 2-Hexanone	9.433	43	1156653	868.492	ug/l		100
60) Dibromochloromethane	9.519	129	201906	158.276	ug/l		99
61) 1,2-Dibromoethane	9.610	107	185828	154.074	ug/l		100
64) Tetrachloroethene	9.269	164	139536	145.906	ug/l		94
65) Chlorobenzene	10.079	112	472117	146.096	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	163370	156.845	ug/l		97
67) Ethyl Benzene	10.189	91	852575	149.191	ug/l		99
68) m/p-Xylenes	10.299	106	607523	288.655	ug/l		97
69) o-Xylene	10.640	106	302495	143.259	ug/l		99
70) Styrene	10.653	104	512379	150.979	ug/l		99
71) Bromoform	10.799	173	135388	174.808	ug/l	#	99
73) Isopropylbenzene	10.963	105	780706	142.719	ug/l		99
74) N-amyl acetate	10.842	43	429686	173.042	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	283558	150.458	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	229435m	151.960	ug/l		
77) Bromobenzene	11.195	156	180997	145.760	ug/l		96
78) n-propylbenzene	11.305	91	923593	146.395	ug/l		99
79) 2-Chlorotoluene	11.366	91	548695	141.695	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	635832	143.293	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	82267	147.761	ug/l		98
82) 4-Chlorotoluene	11.451	91	627816	146.464	ug/l		99
83) tert-Butylbenzene	11.713	119	641713	142.974	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	647248	148.135	ug/l		100
85) sec-Butylbenzene	11.890	105	807713	145.383	ug/l		100
86) p-Isopropyltoluene	12.006	119	664916	149.075	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	334751	147.488	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	333594	145.189	ug/l		99
89) n-Butylbenzene	12.329	91	620757	158.324	ug/l		99
90) Hexachloroethane	12.536	117	128582	154.554	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	329318	147.436	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64958	186.240	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	219313	162.416	ug/l		99
94) Hexachlorobutadiene	13.725	225	80241	149.034	ug/l		99
95) Naphthalene	13.774	128	828949	168.538	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	222608	162.727	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
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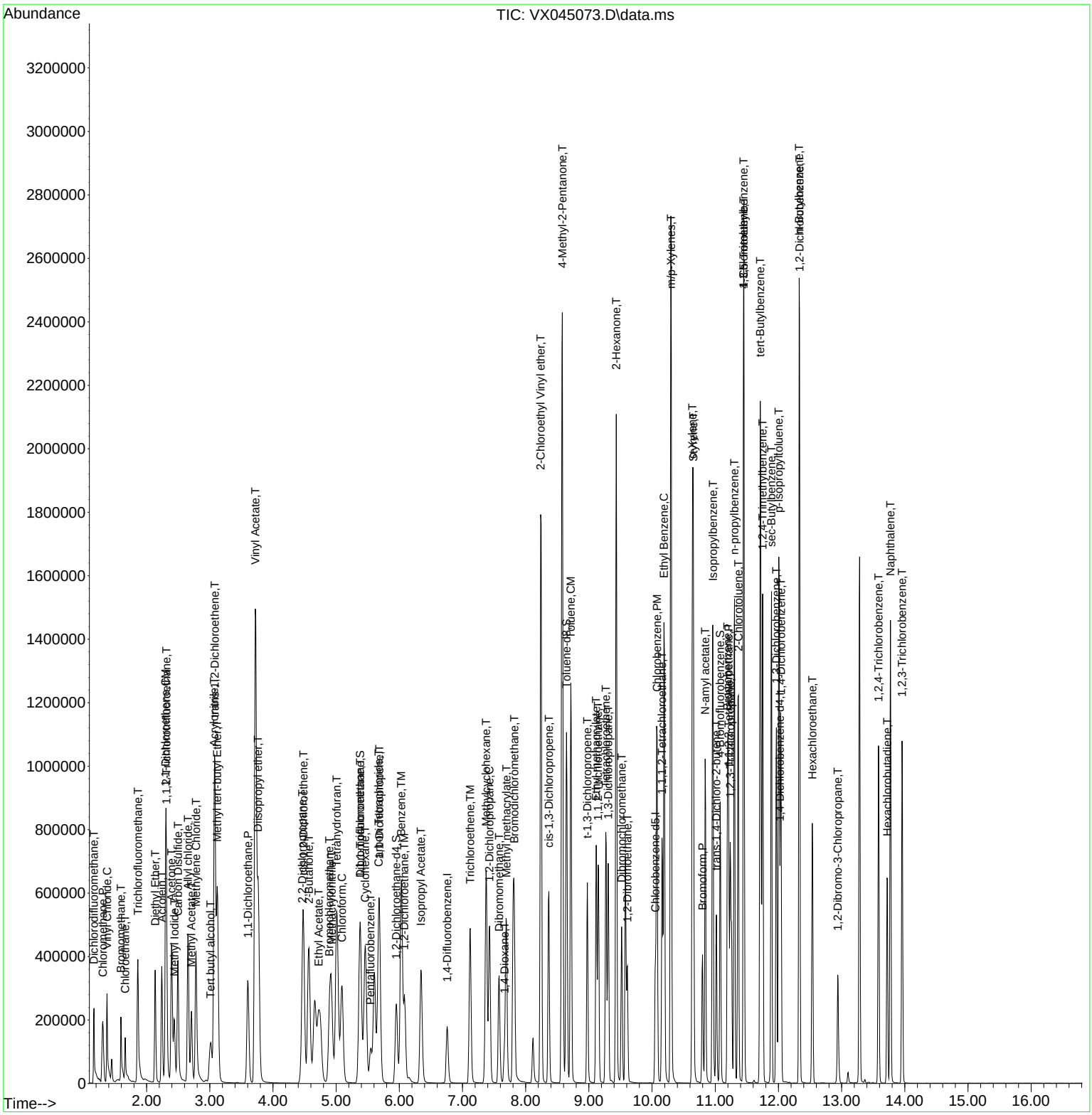
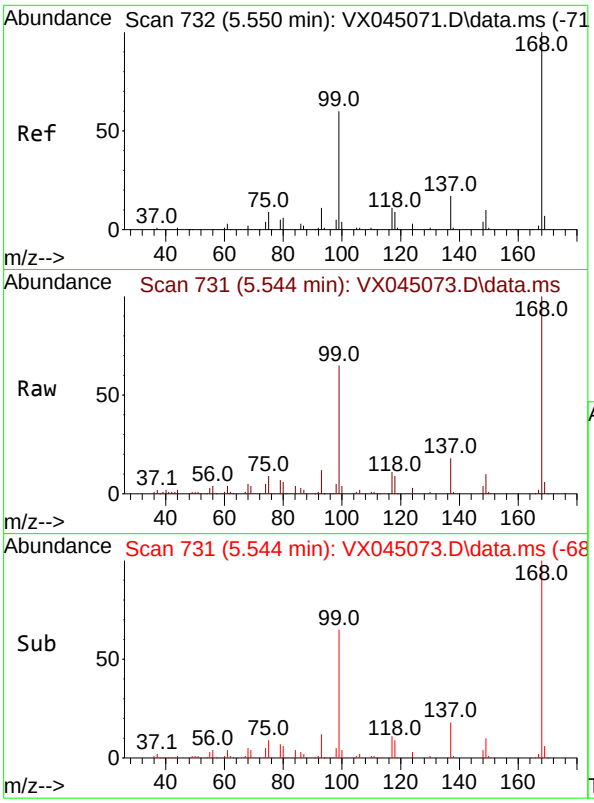
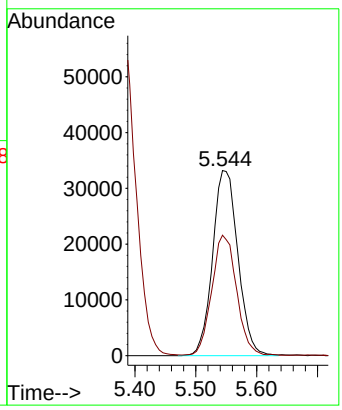




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:168 Resp: 9575

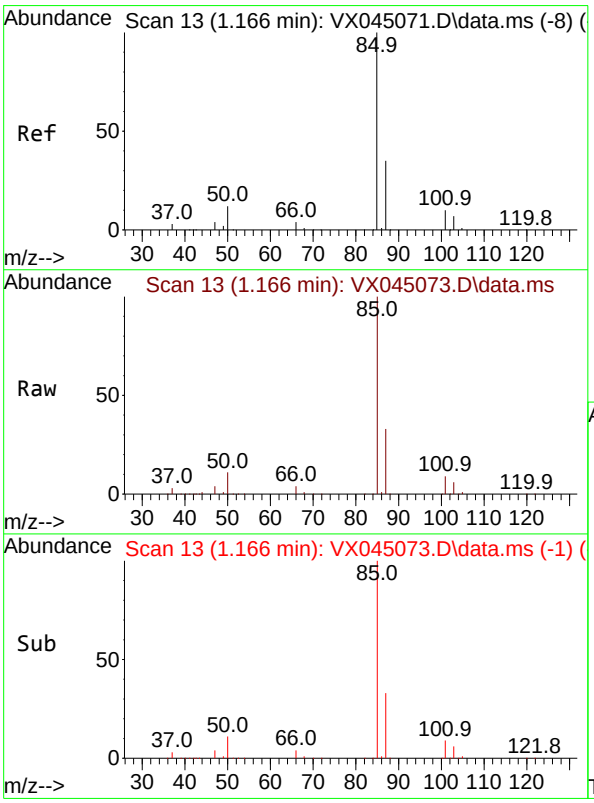
Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

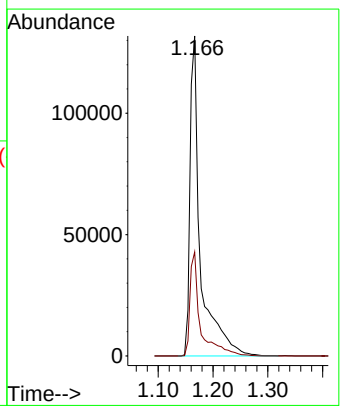
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

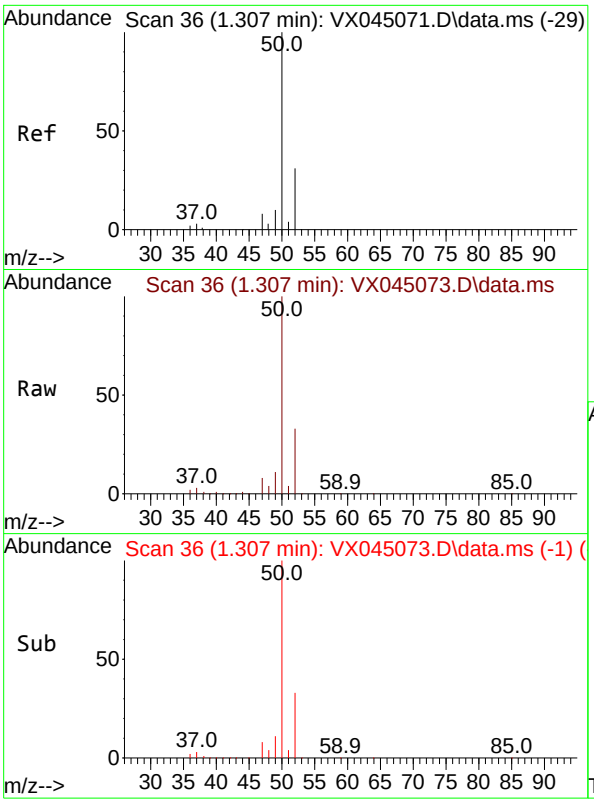


#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 85 Resp: 174297

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3

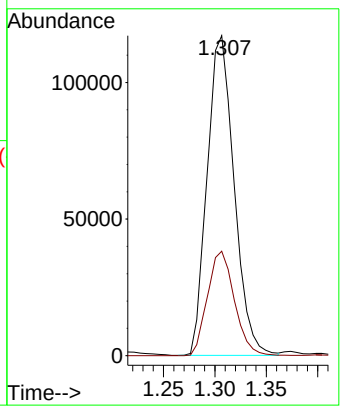




#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 50 Resp: 21370

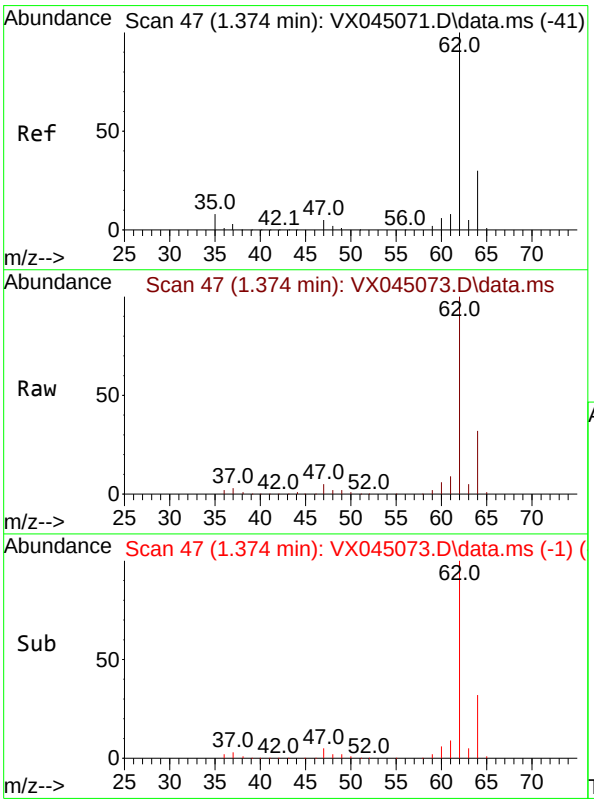
Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

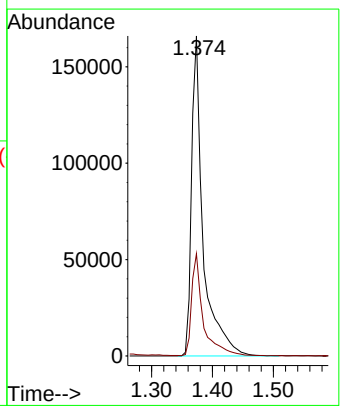
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

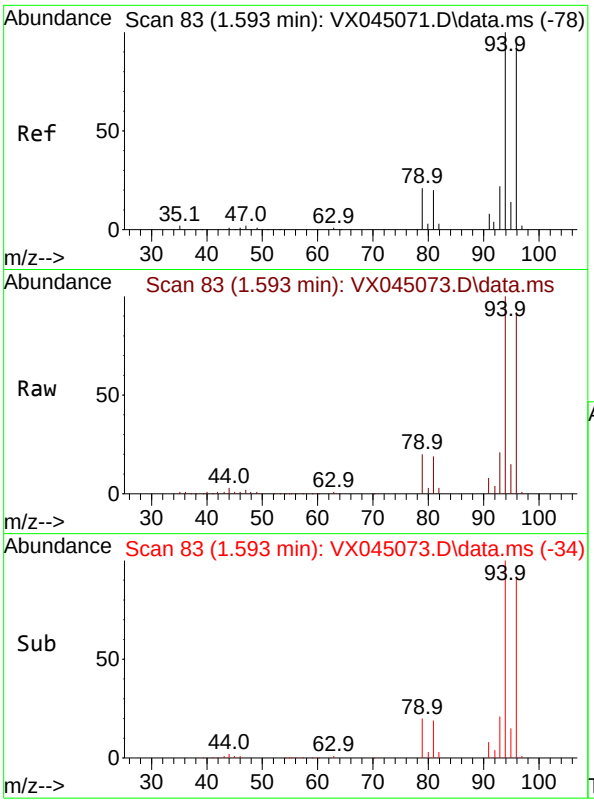


#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 217672

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.3	36.5





#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

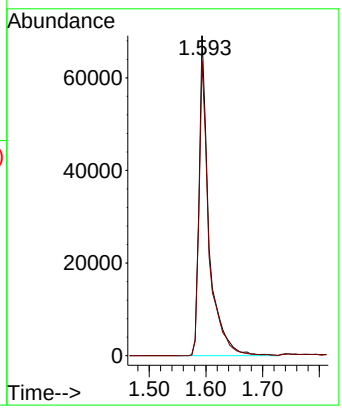
Tgt Ion: 94 Resp: 8354

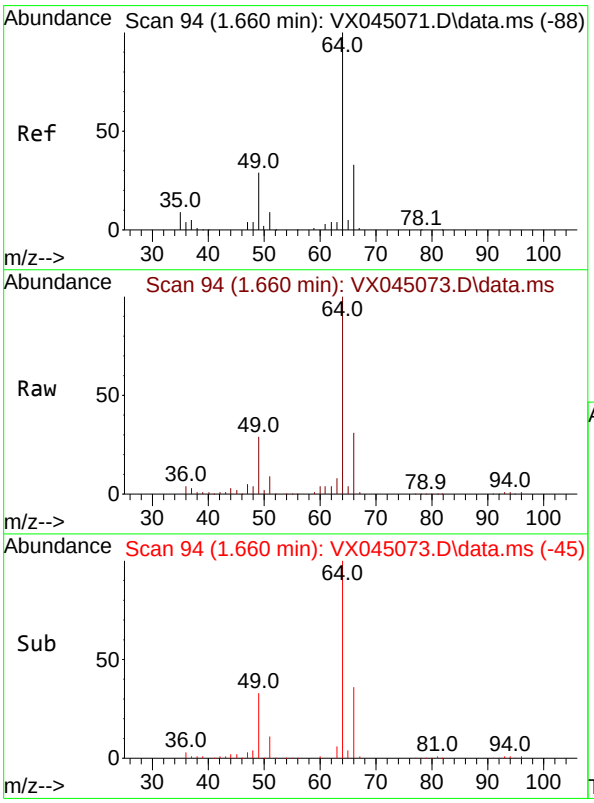
Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.0	112.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

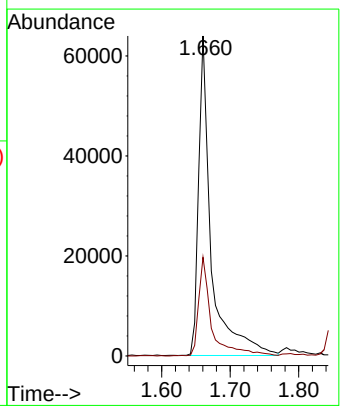


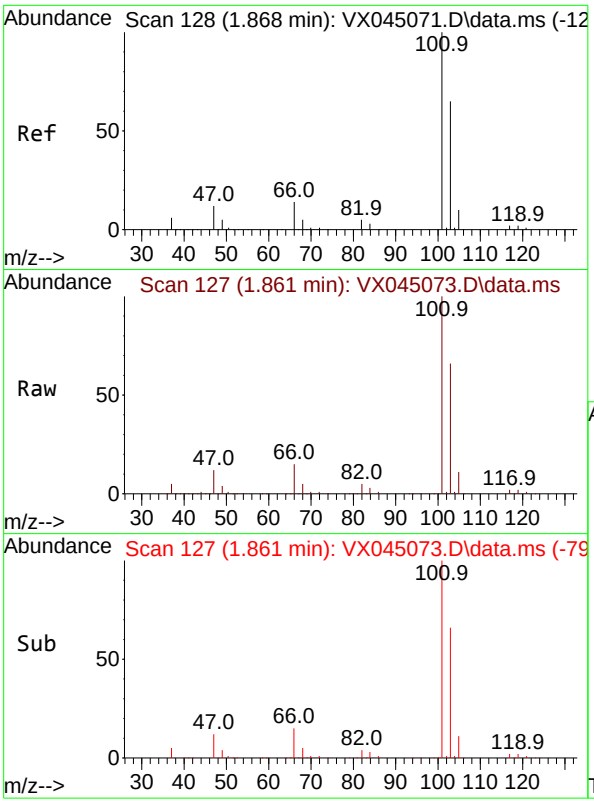


#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 64 Resp: 82101

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.7	40.1

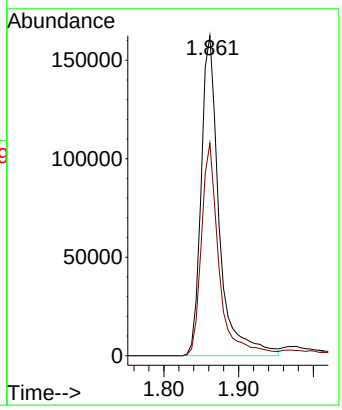




#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:101 Resp: 27223

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
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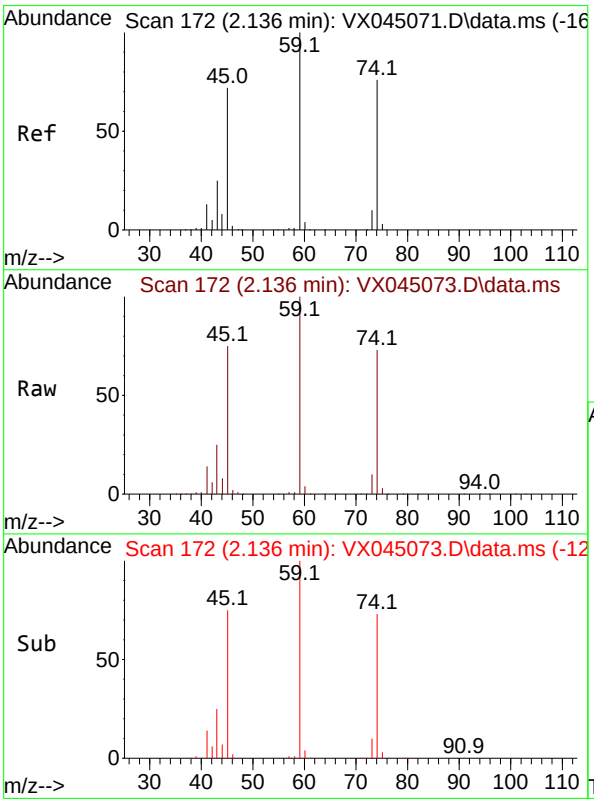
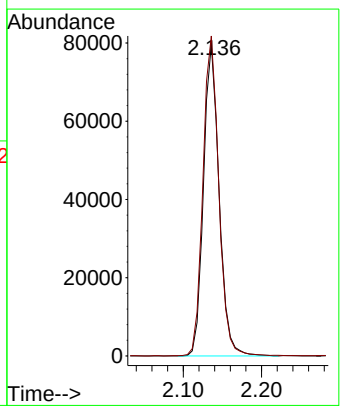
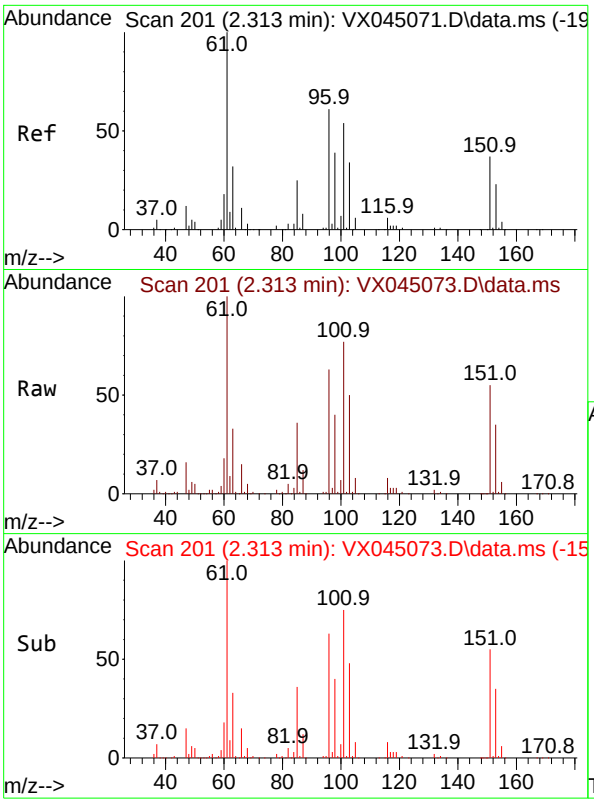


#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 74 Resp: 110005

Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.877 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:101 Resp: 16182

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	70.8	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
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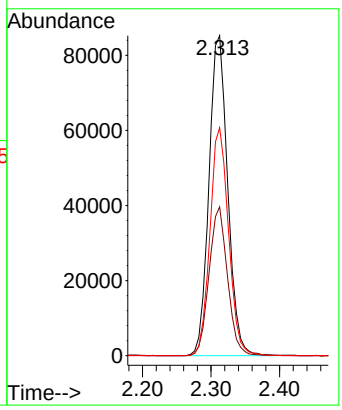
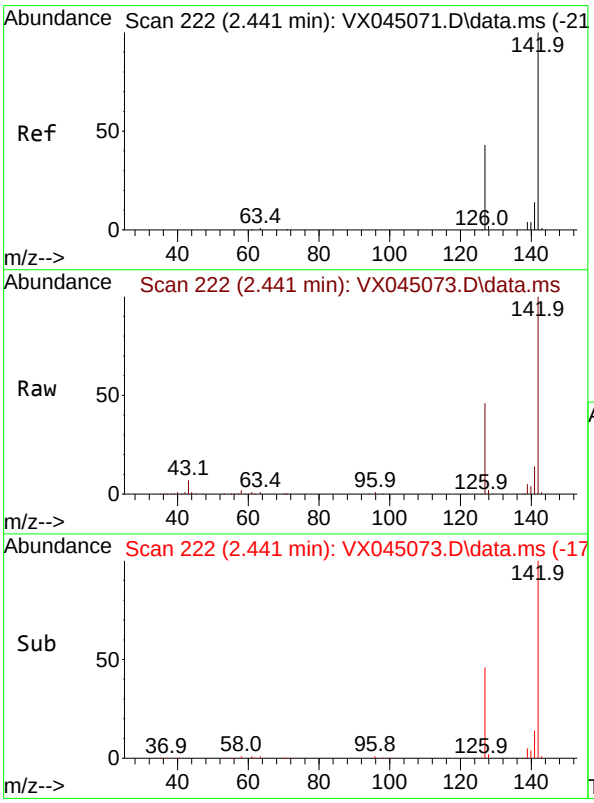
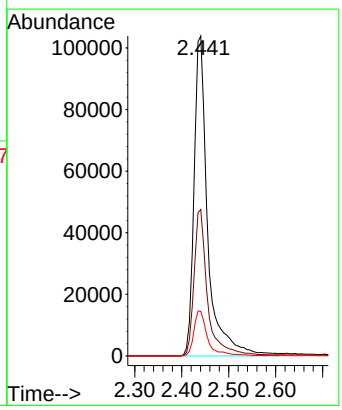


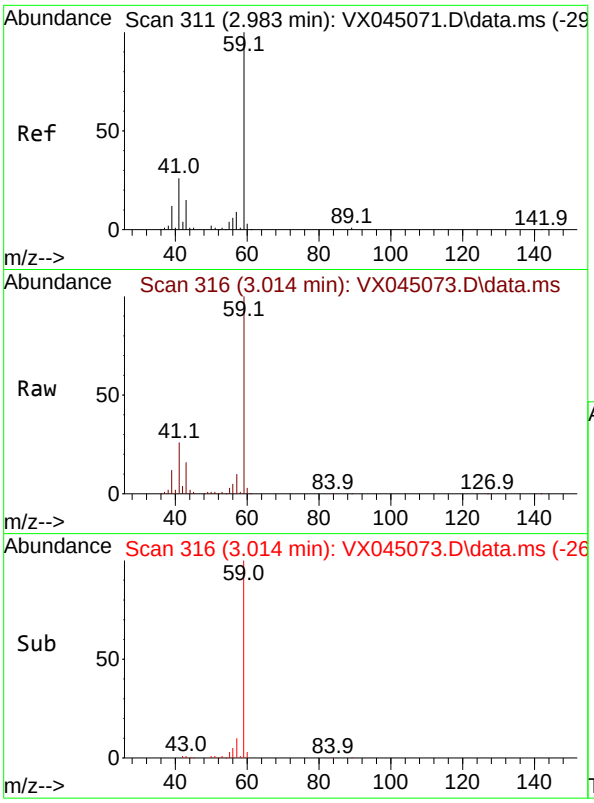


#10
Methyl Iodide
Concen: 138.059 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:142 Resp: 212355

Ion	Ratio	Lower	Upper
142	100		
127	45.2	35.4	53.2
141	14.3	11.6	17.4





#11
Tert butyl alcohol
Concen: 754.176 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.030 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 59 Resp: 19541

Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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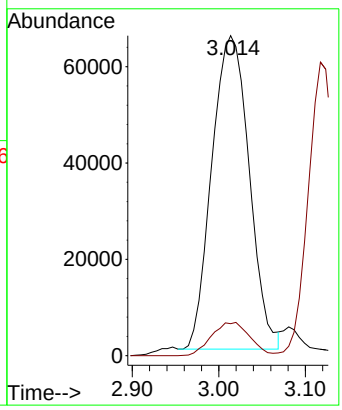
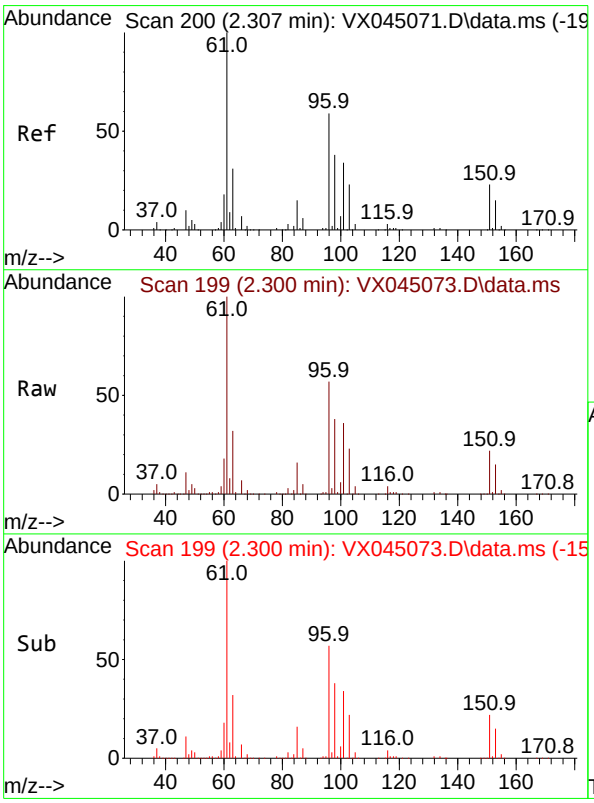
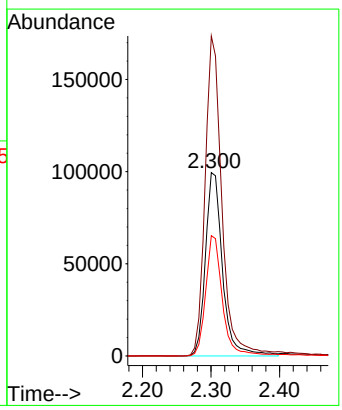


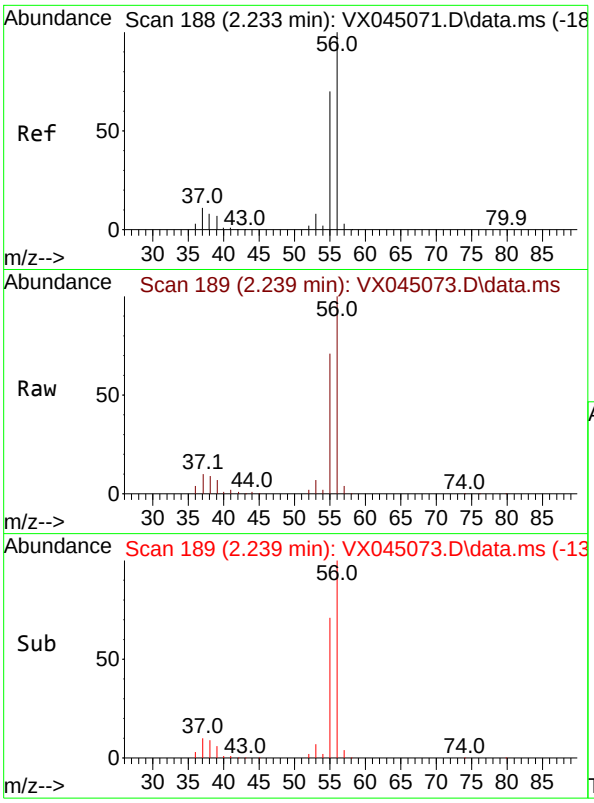


#12
1,1-Dichloroethene
Concen: 140.655 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 173271

Ion	Ratio	Lower	Upper
96	100		
61	174.5	134.6	202.0
98	65.6	51.0	76.6

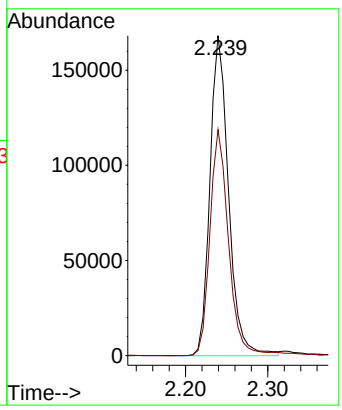




#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 56 Resp: 26399

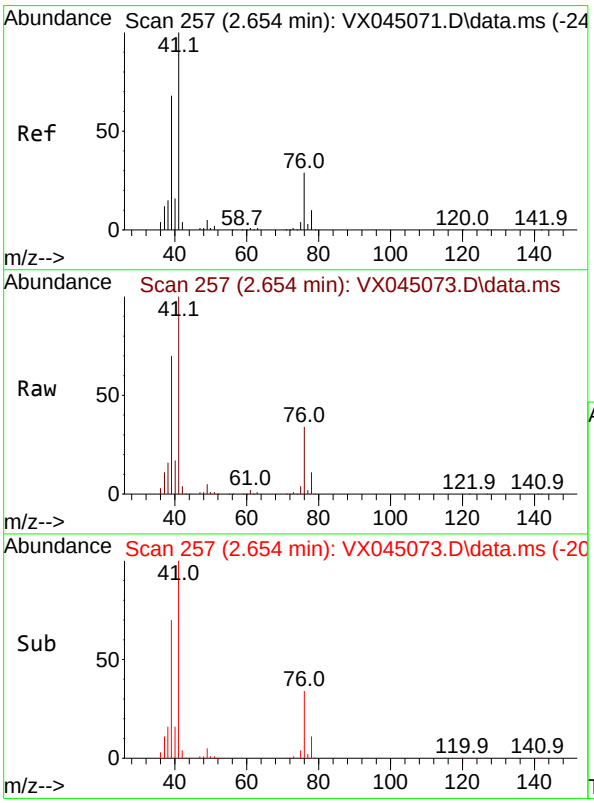
Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

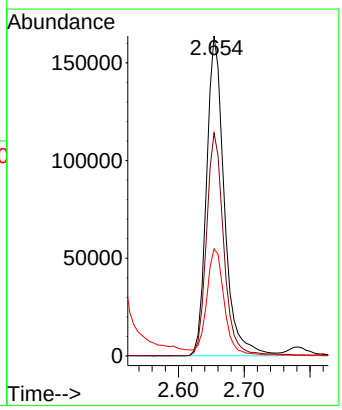
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

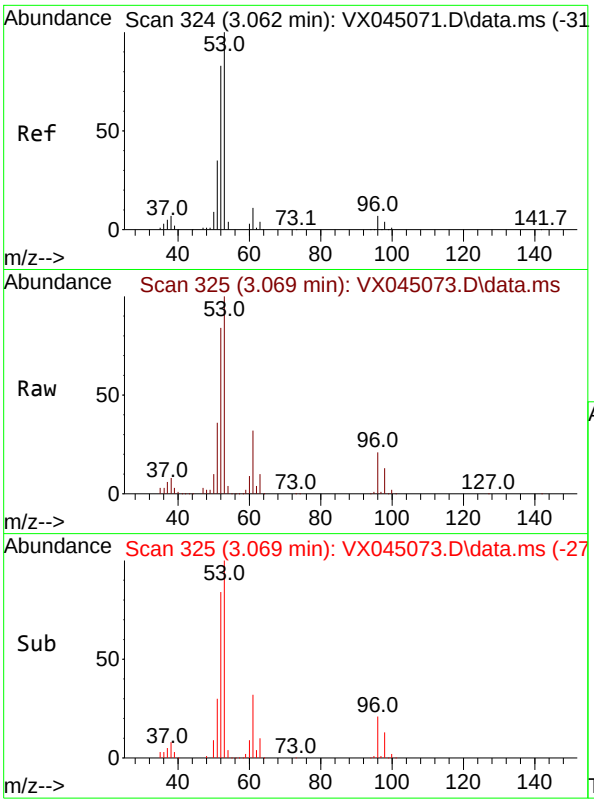


#14
Allyl chloride
Concen: 139.077 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 308018

Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.8	80.8
76	33.8	25.2	37.8

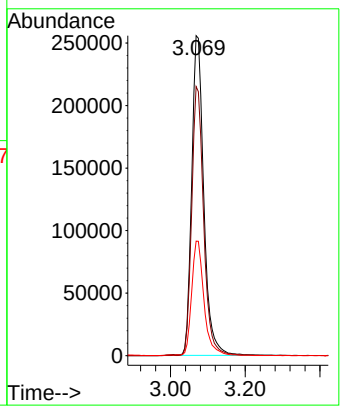




#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 53 Resp: 57320

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	37.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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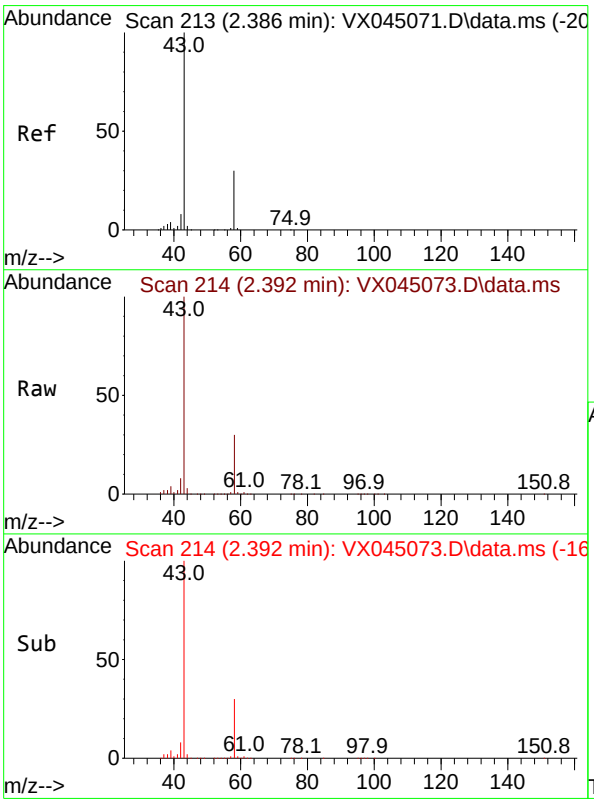
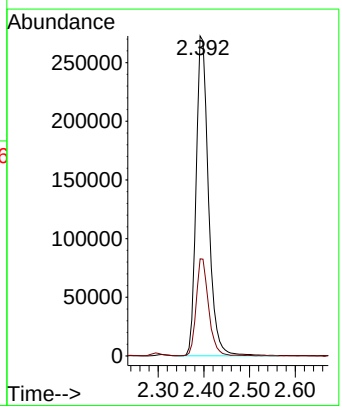
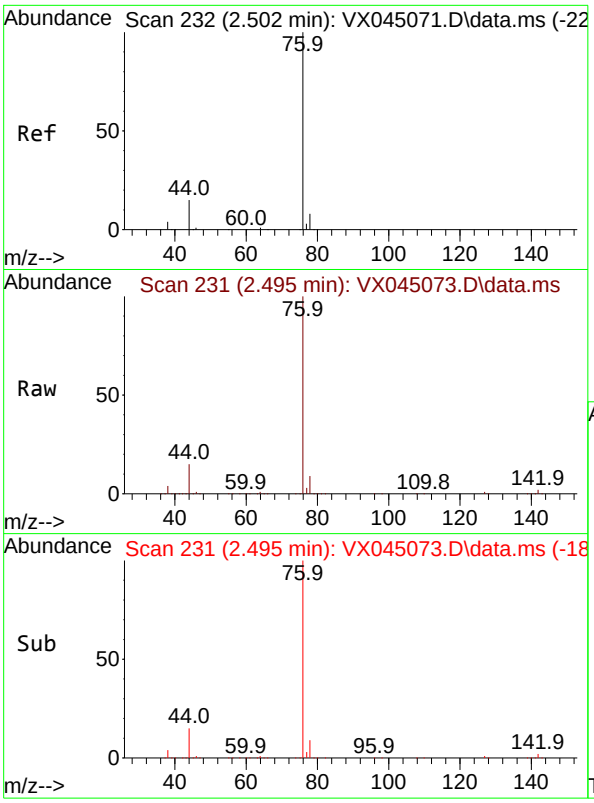


#16
Acetone
Concen: 879.387 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 511828

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4

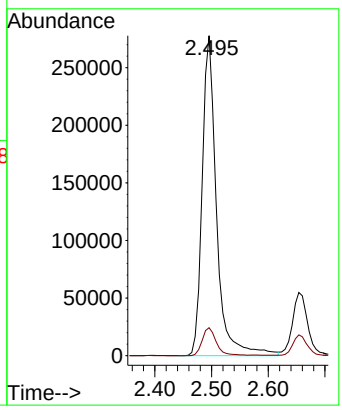




#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 48772

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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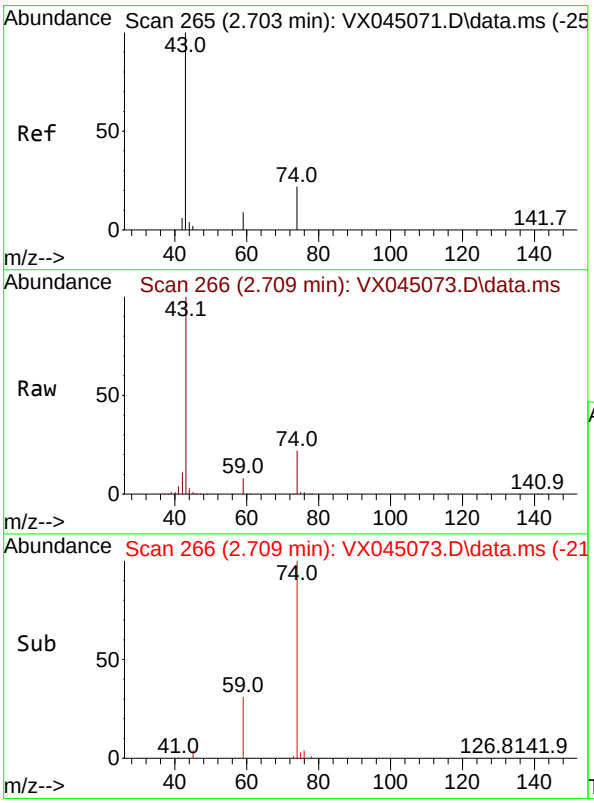
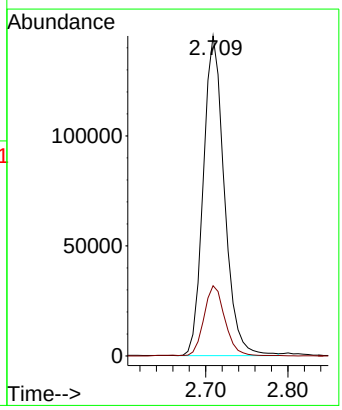
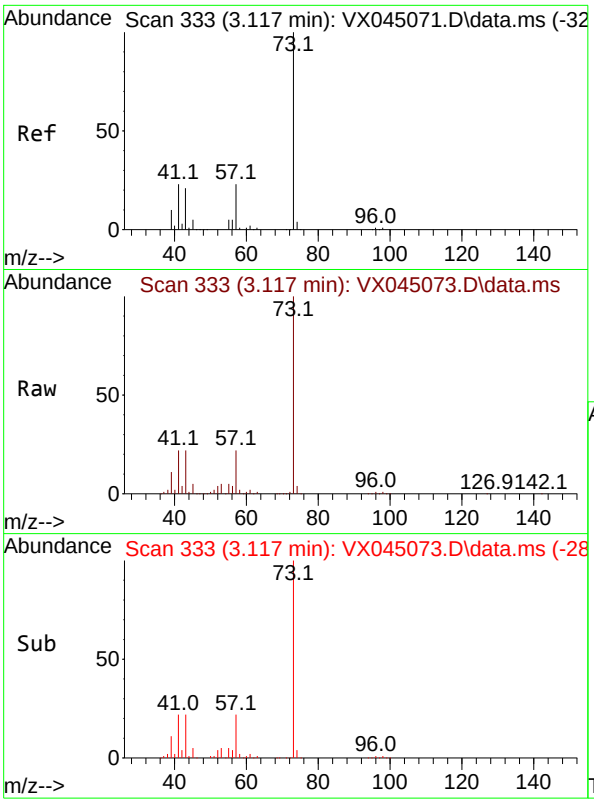


#18
Methyl Acetate
Concen: 147.347 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 258303

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 73 Resp: 61977

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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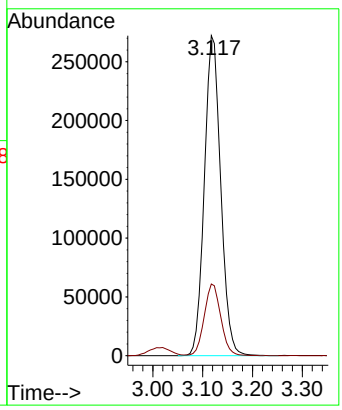
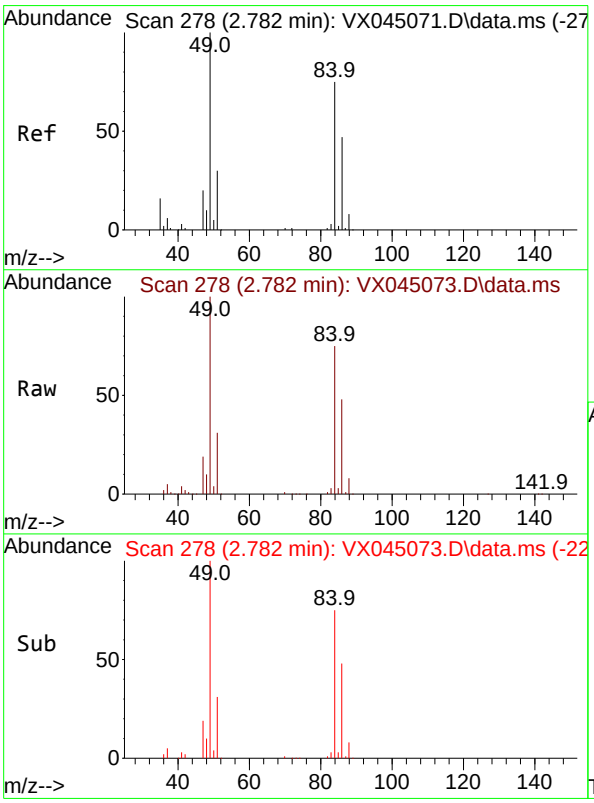
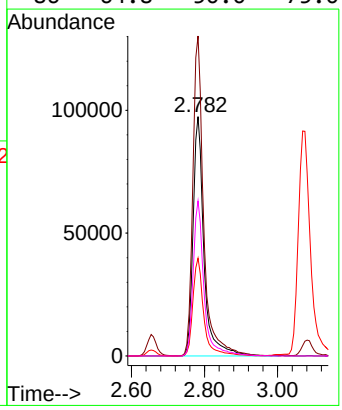


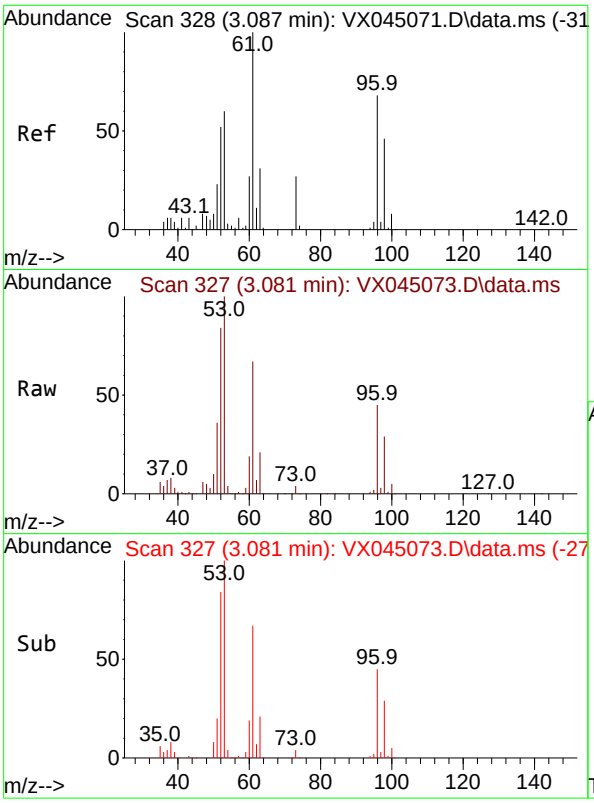


#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 84 Resp: 202913

Ion	Ratio	Lower	Upper
84	100		
49	133.6	106.5	159.7
51	40.9	32.1	48.1
86	64.8	50.0	75.0

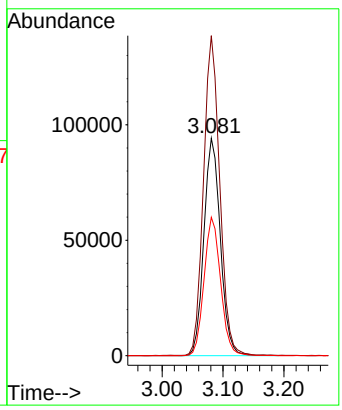




#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 17692

Ion	Ratio	Lower	Upper
96	100		
61	147.0	117.0	175.4
98	63.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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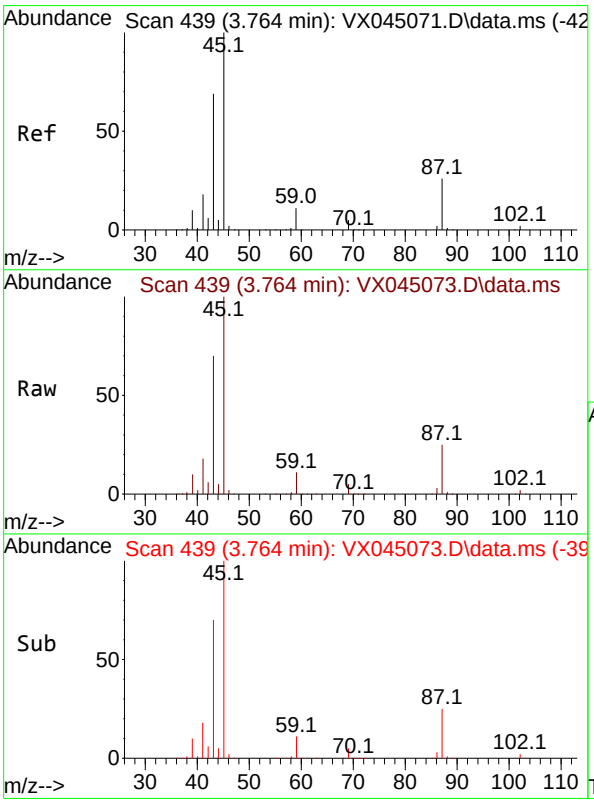
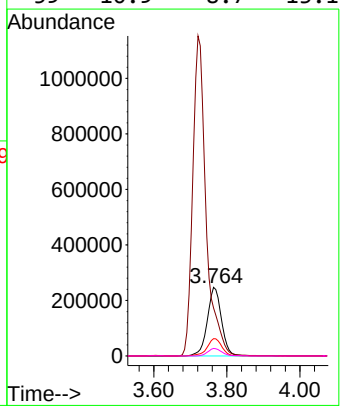
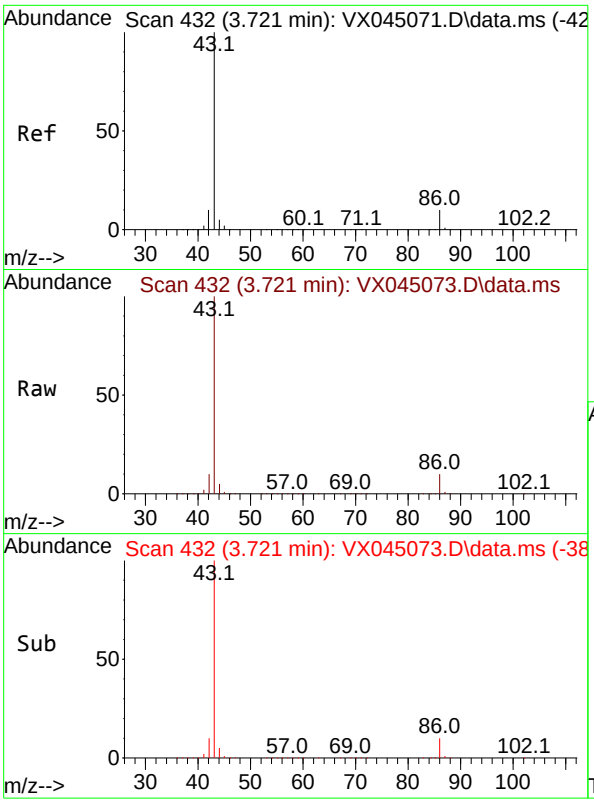


#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 45 Resp: 662828

Ion	Ratio	Lower	Upper
45	100		
43	70.0	54.9	82.3
87	25.2	21.0	31.4
59	10.9	8.7	13.1

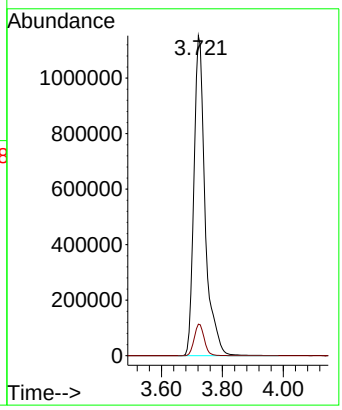




#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 294315

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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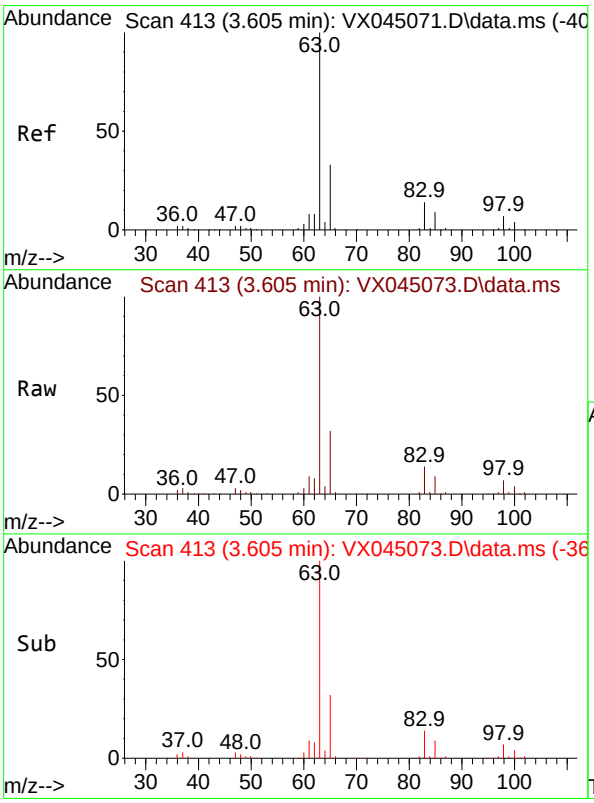
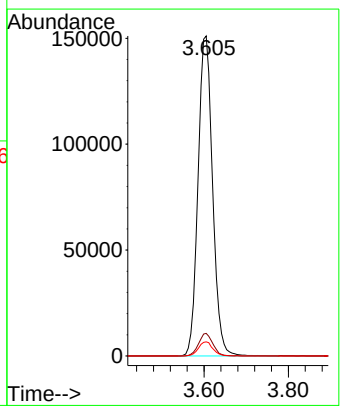
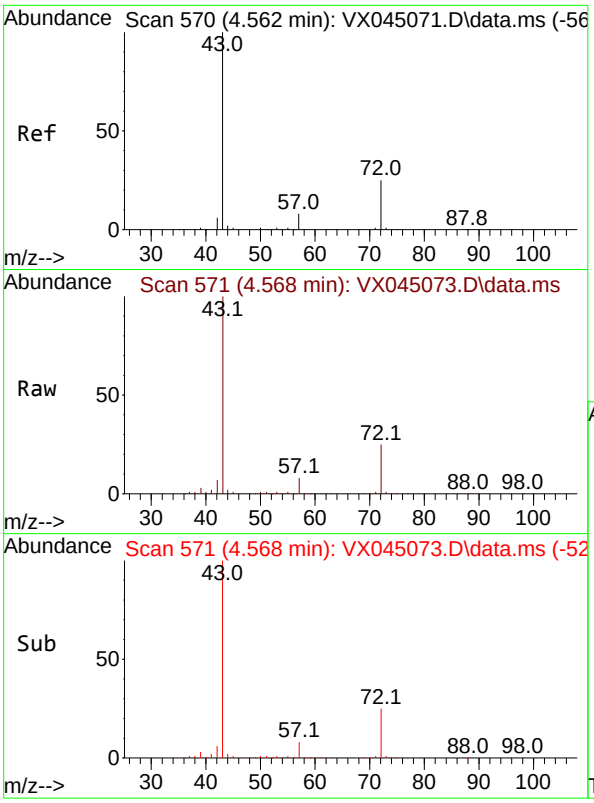


#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 363081

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	4.4	2.1	6.5

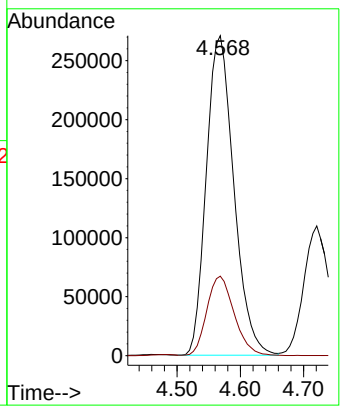




#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 81849

Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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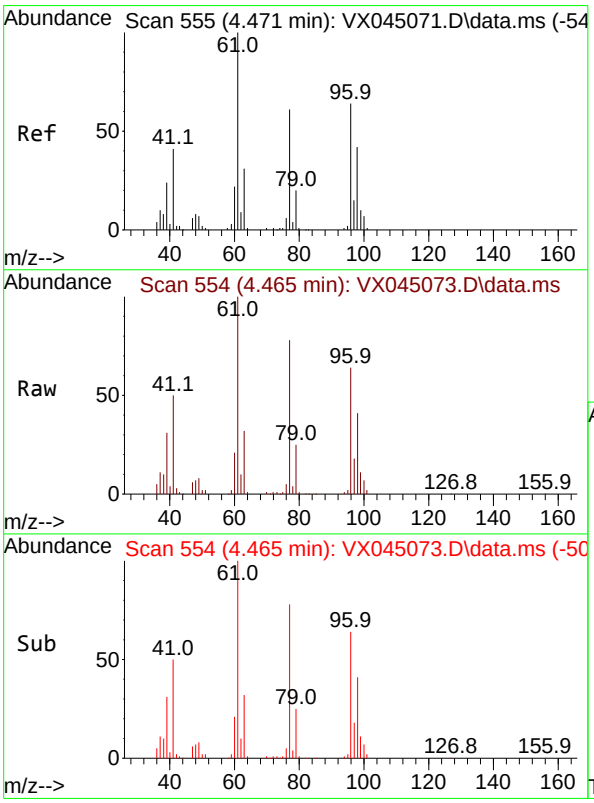
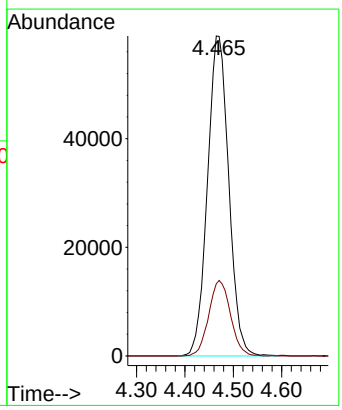
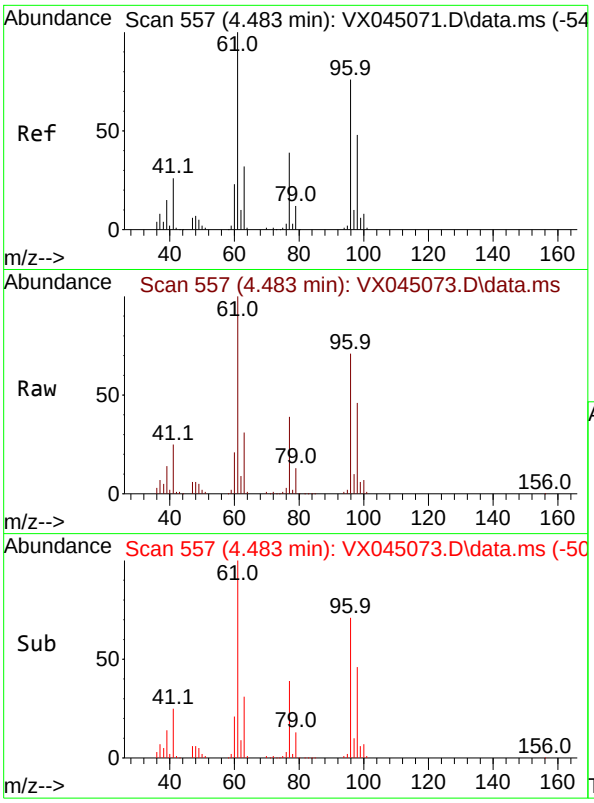


#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.0

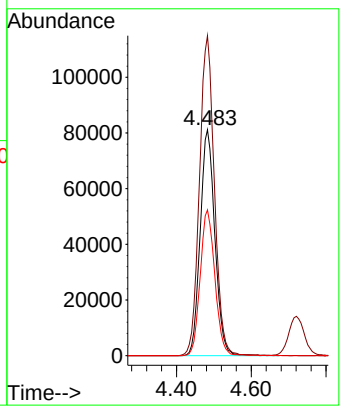




#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 22082

Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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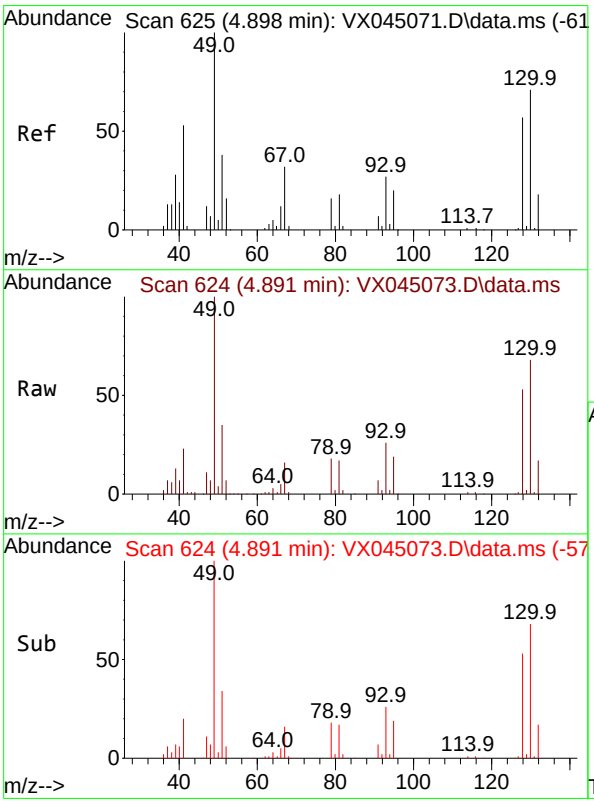
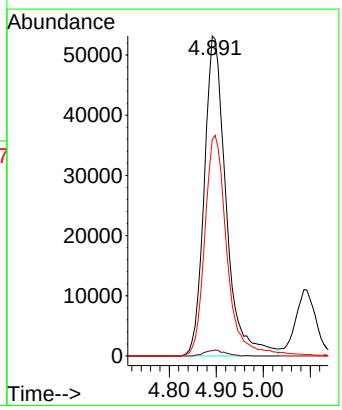
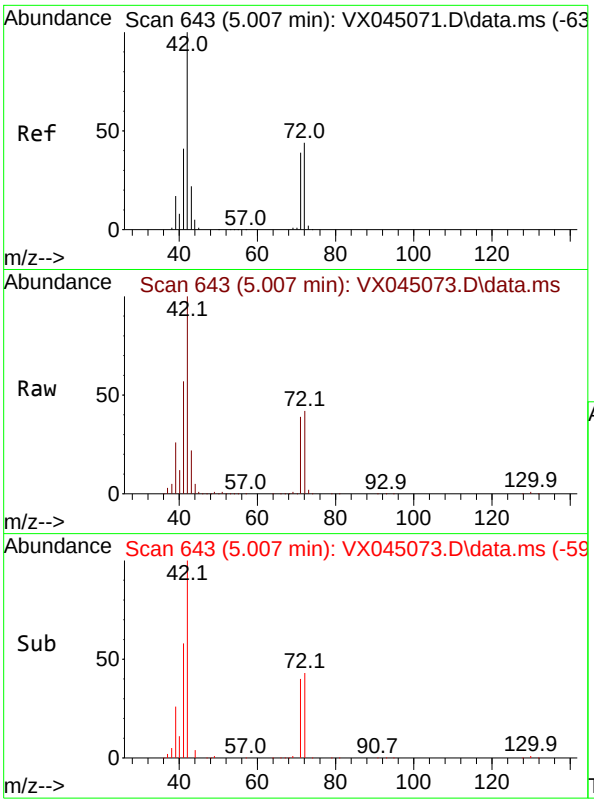


#28
Bromochloromethane
Concen: 150.105 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 49 Resp: 171273

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.3	56.1	84.1





#29
Tetrahydrofuran
Concen: 850.174 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 42 Resp: 52857

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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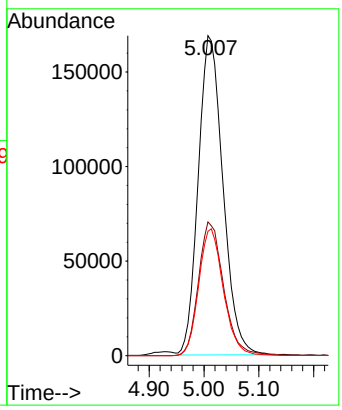
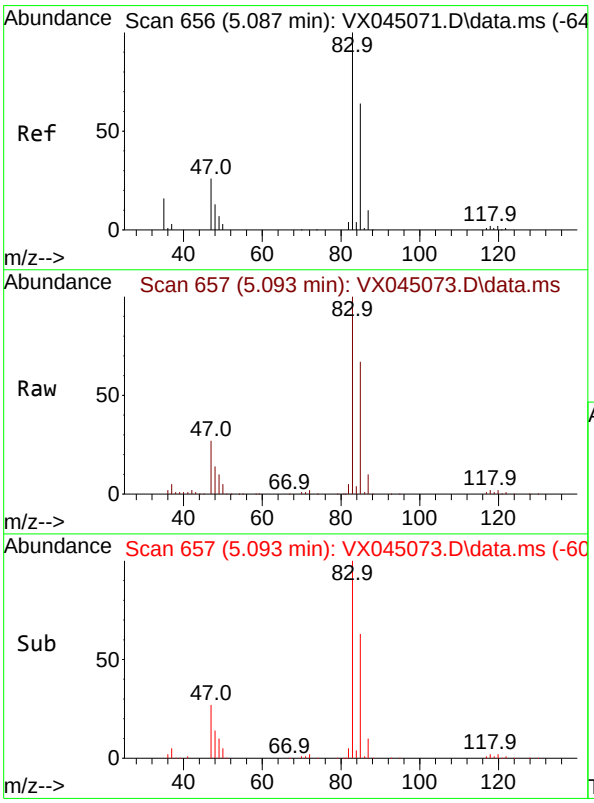
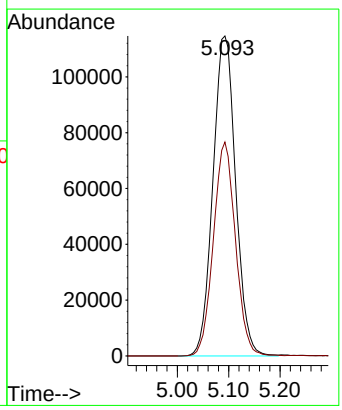


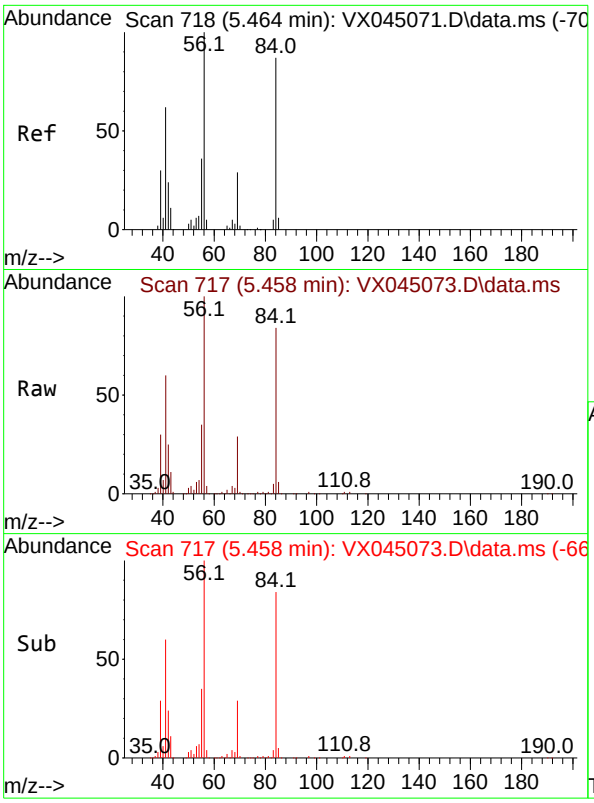


#30
Chloroform
Concen: 152.067 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 351934

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2





#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 56 Resp: 30221

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	82.2	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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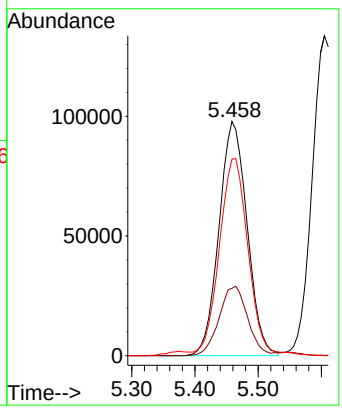
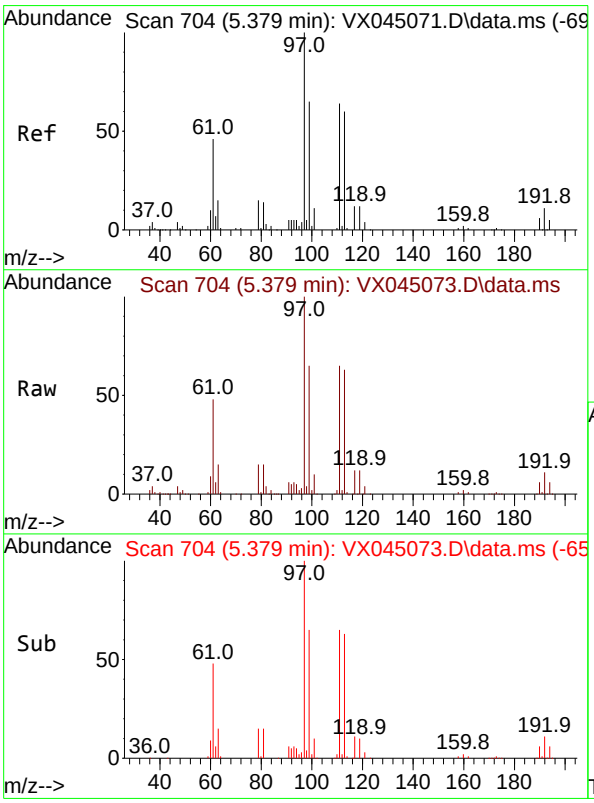
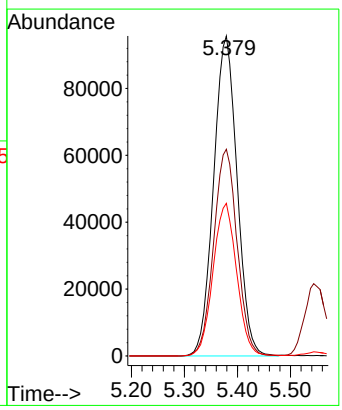


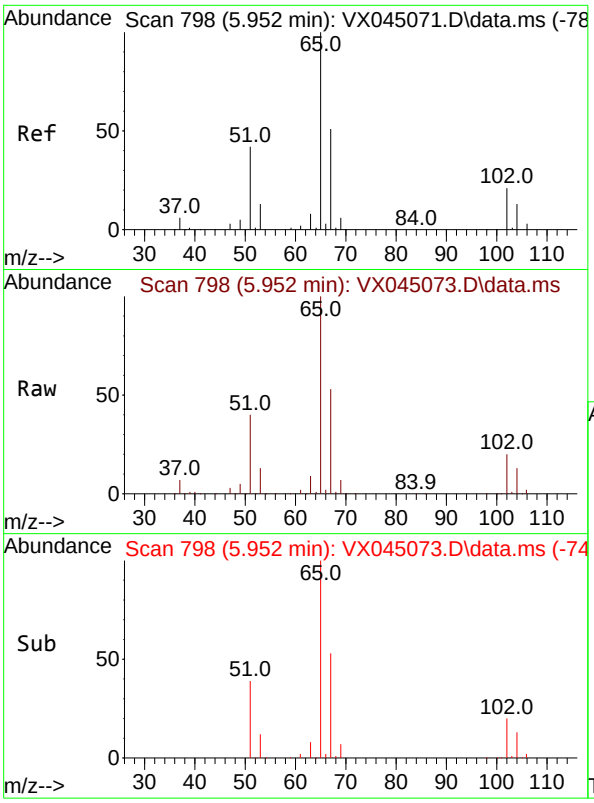


#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 294434

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	48.1	38.4	57.6

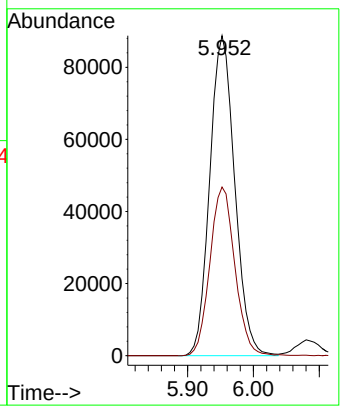




#33
1,2-Dichloroethane-d4
Concen: 165.865 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 65 Resp: 23462

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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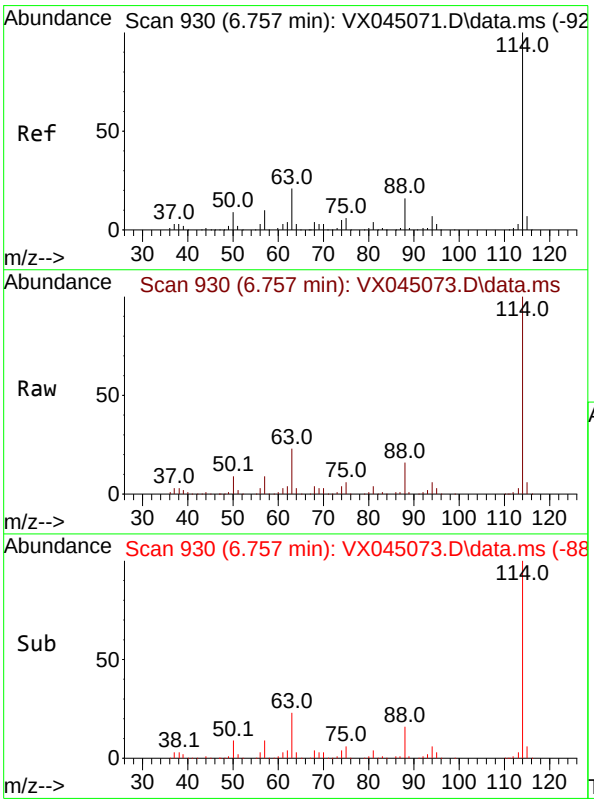
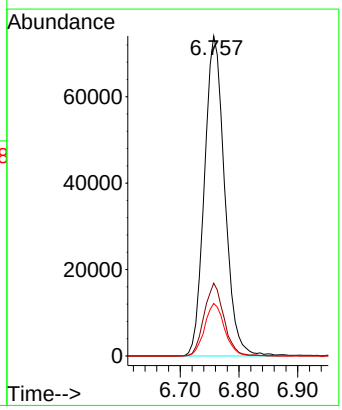
Supervised By :Mahesh Dadoda 02/28/2025

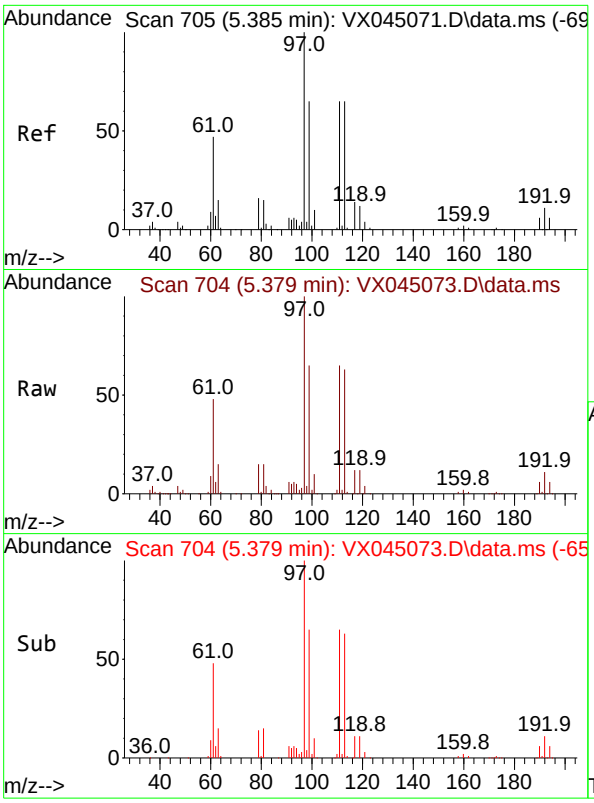


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:114 Resp: 176991

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	16.4	0.0	32.8

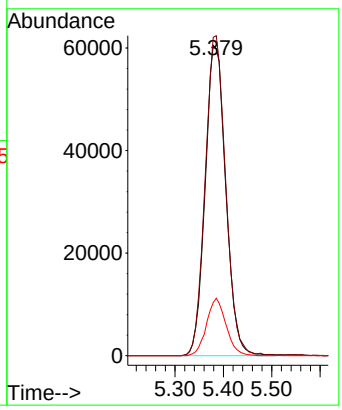




#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:113 Resp: 17972

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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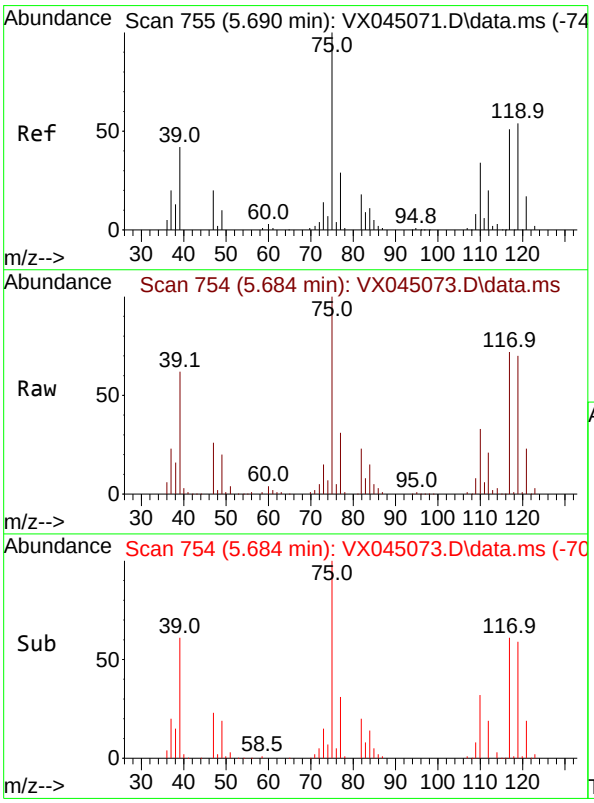
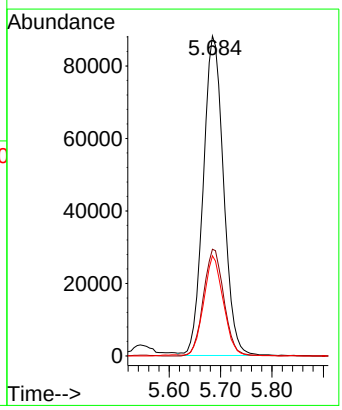
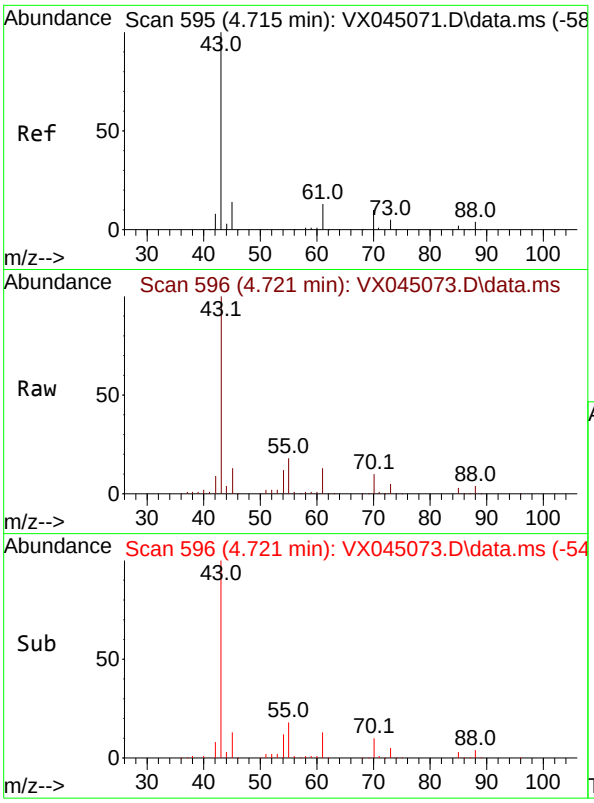


#36
1,1-Dichloropropene
Concen: 145.112 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 241405

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.5	24.5	36.7

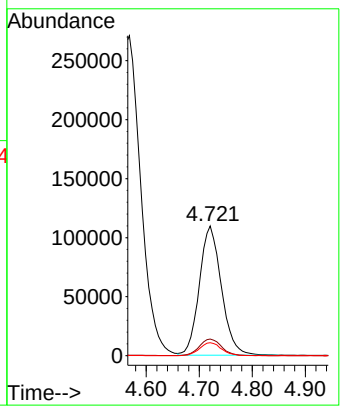




#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 31625

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.1	7.7	11.5



Instrument :
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ClientSampleId :
VSTDICC150

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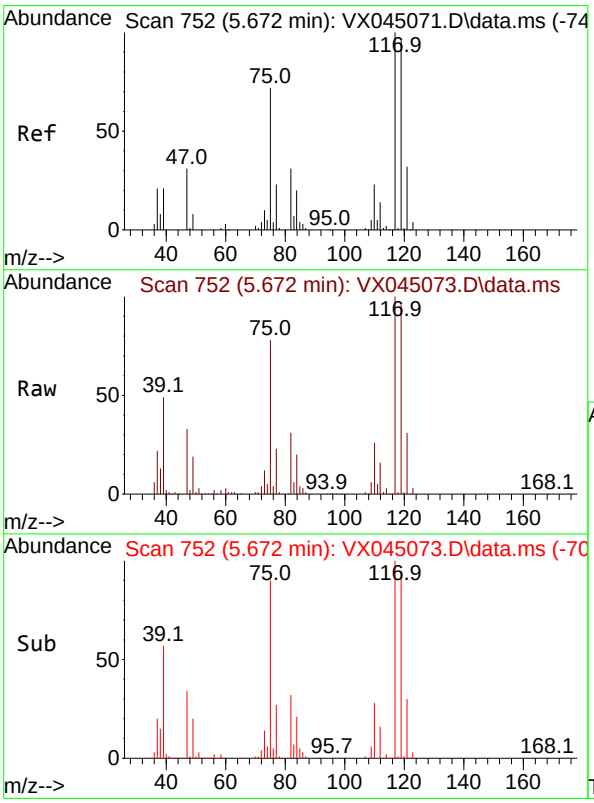
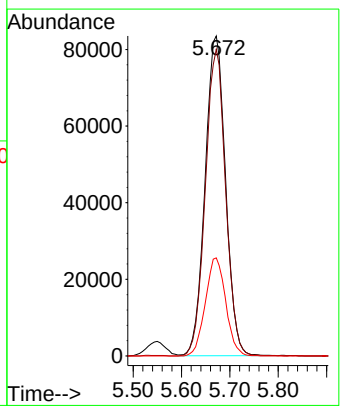
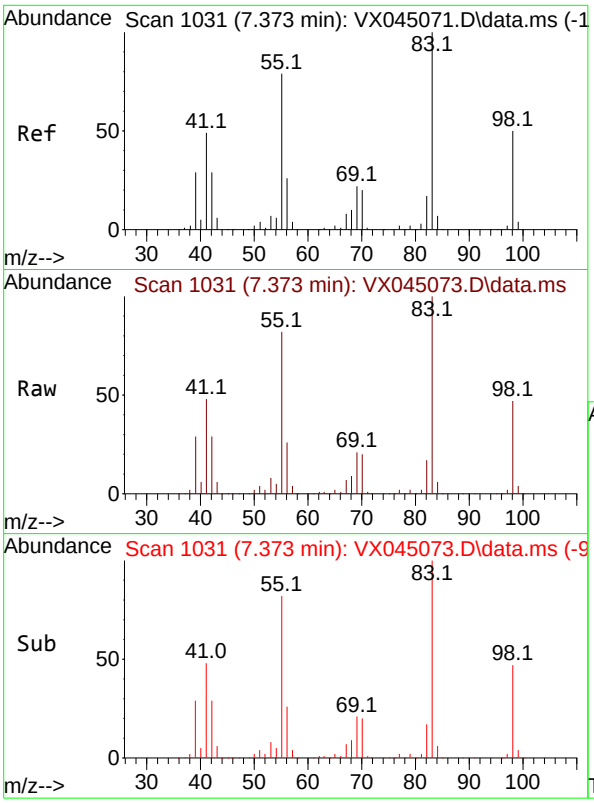


#38
Carbon Tetrachloride
Concen: 150.363 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 245917

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	30.7	25.5	38.3





#39
Methylcyclohexane
Concen: 137.544 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 29221

Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.0	94.4
98	47.4	39.7	59.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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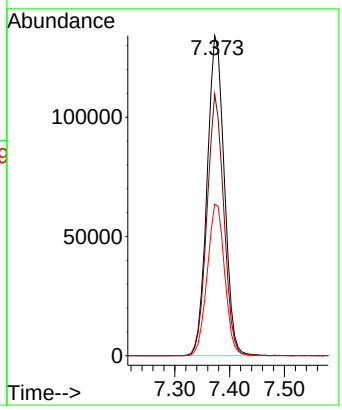
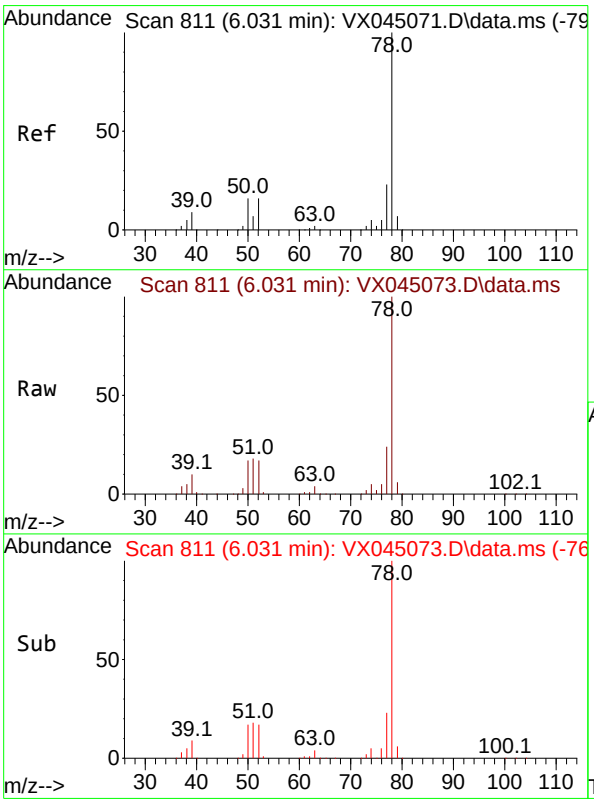
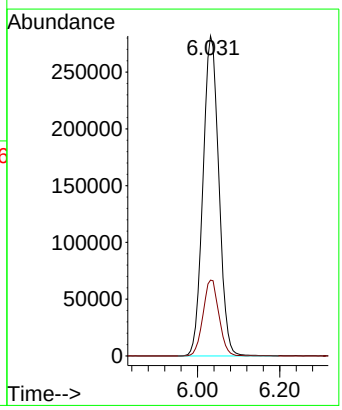


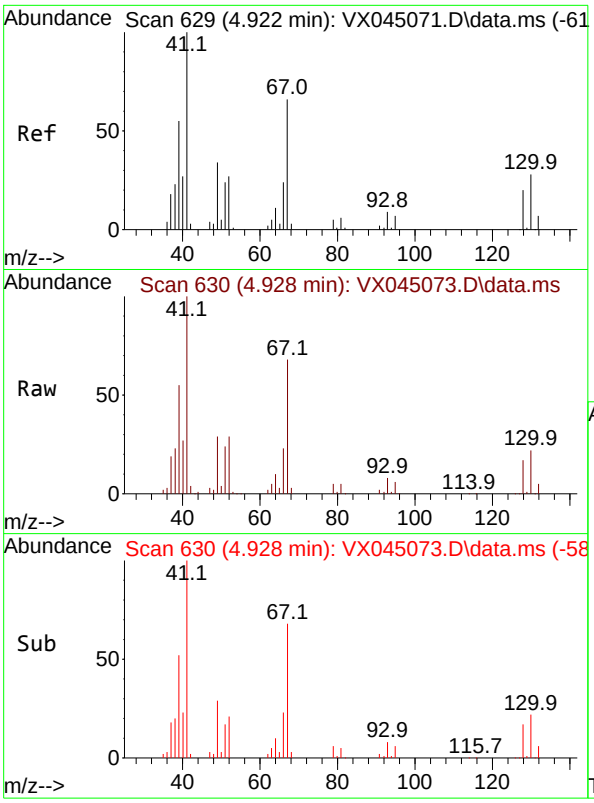


#40
Benzene
Concen: 145.368 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 78 Resp: 755854

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

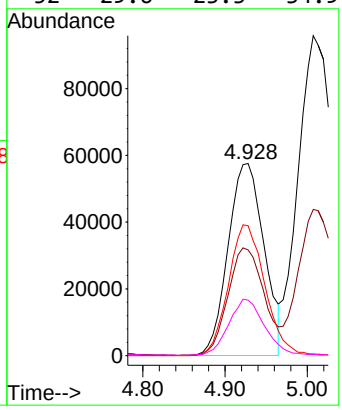




#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 17502

Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	67.0
67	69.5	53.9	80.9
52	29.6	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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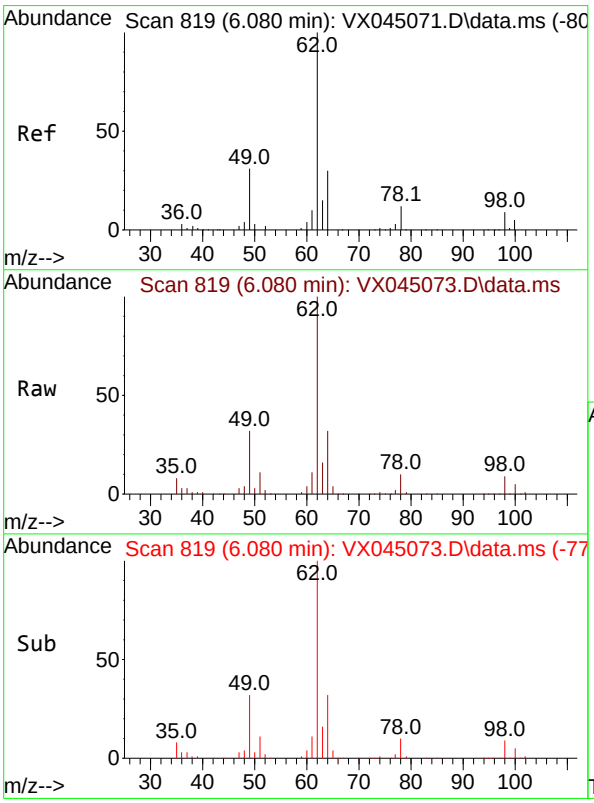
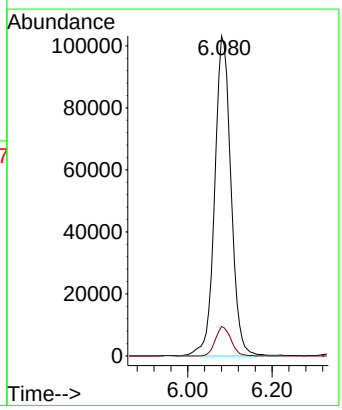
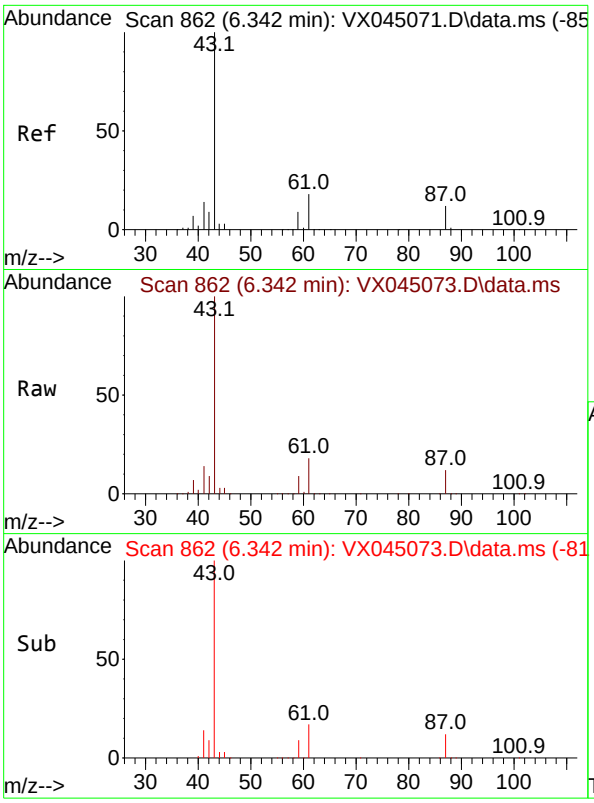


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2

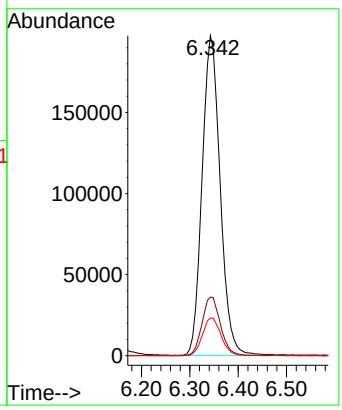




#43
Isopropyl Acetate
Concen: 169.804 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 51164

Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.1	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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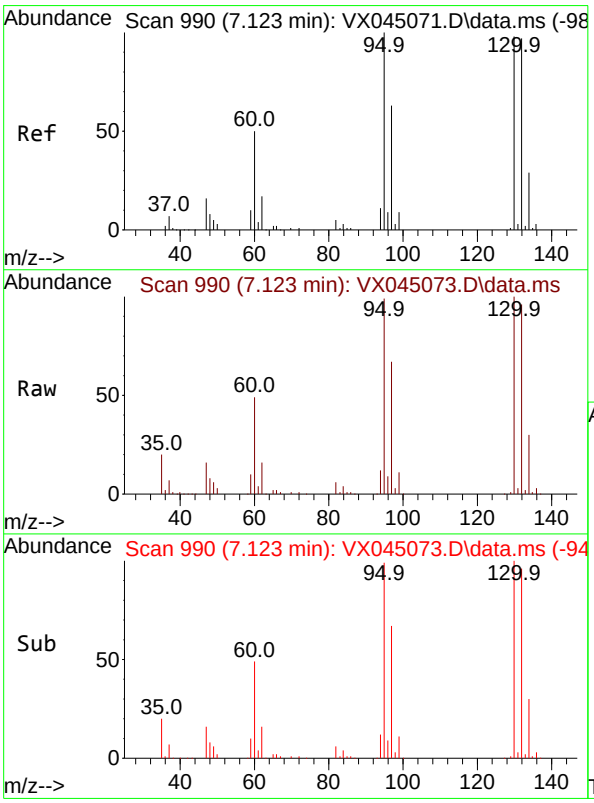
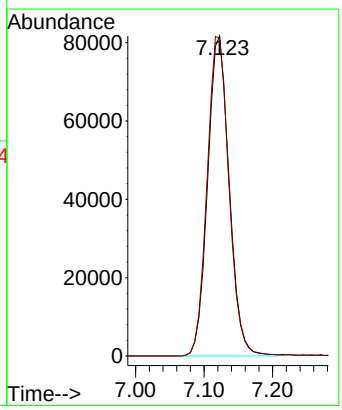
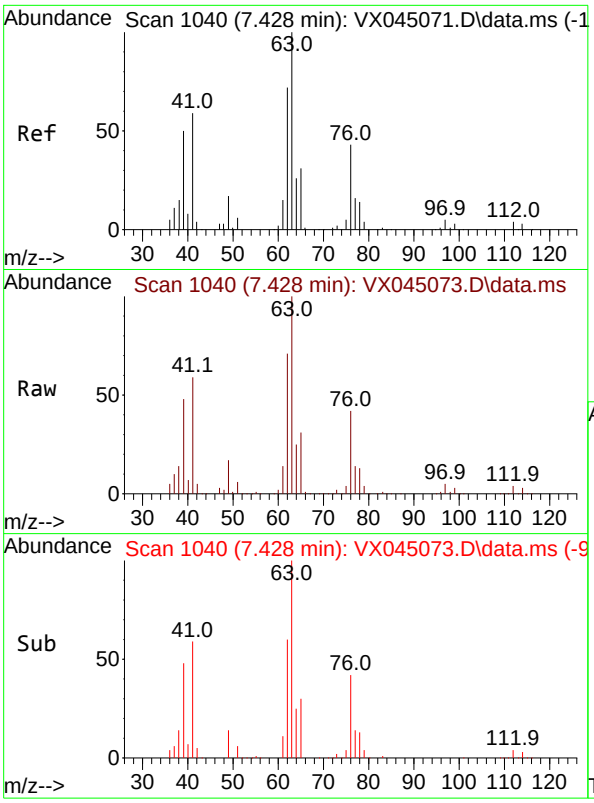


#44
Trichloroethene
Concen: 150.181 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:130 Resp: 178483

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0





#45
1,2-Dichloropropane
Concen: 153.334 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 19813

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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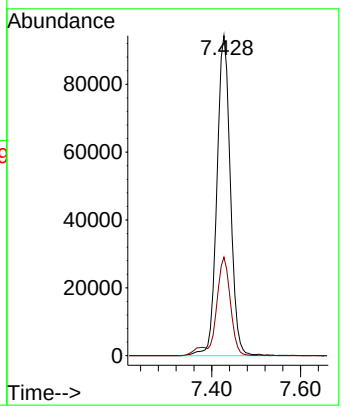
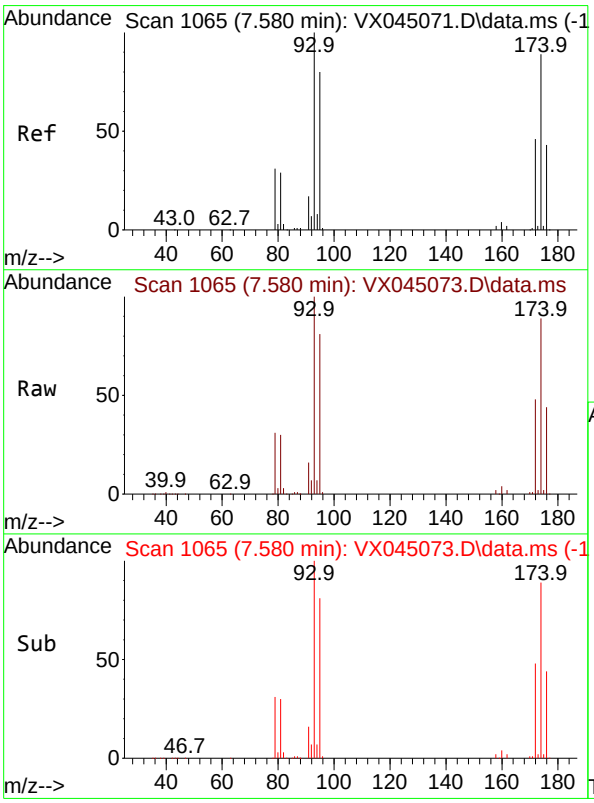
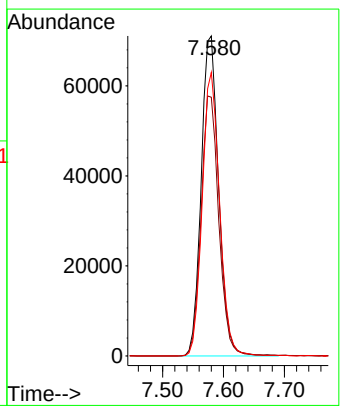


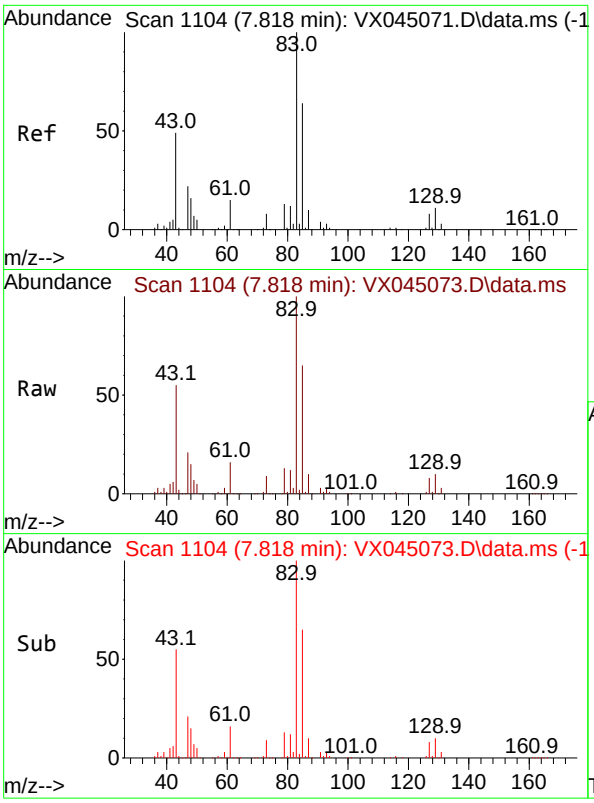


#46
Dibromomethane
Concen: 157.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 93 Resp: 142119

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	88.2	72.2	108.2

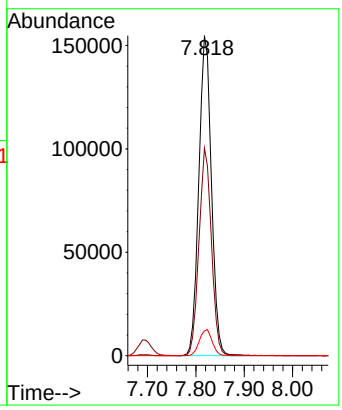




#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 28025

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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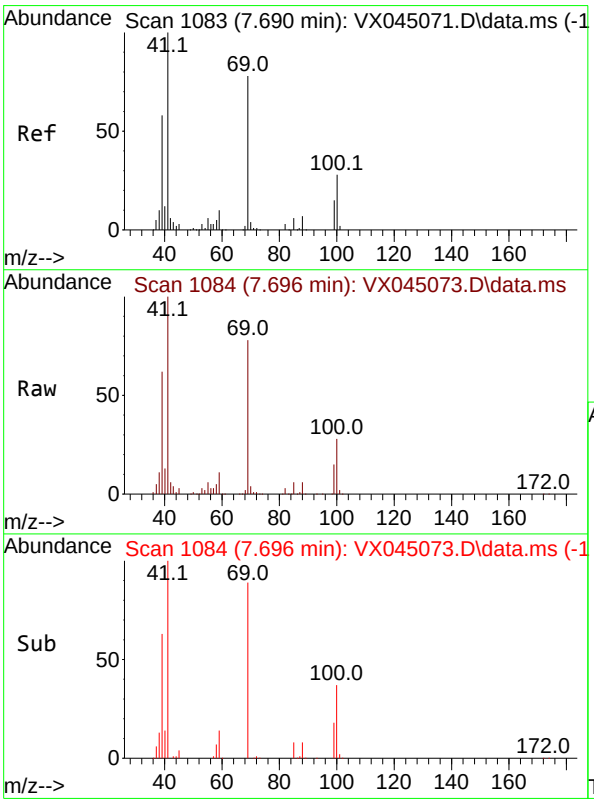
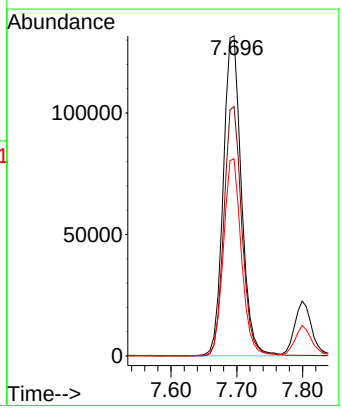
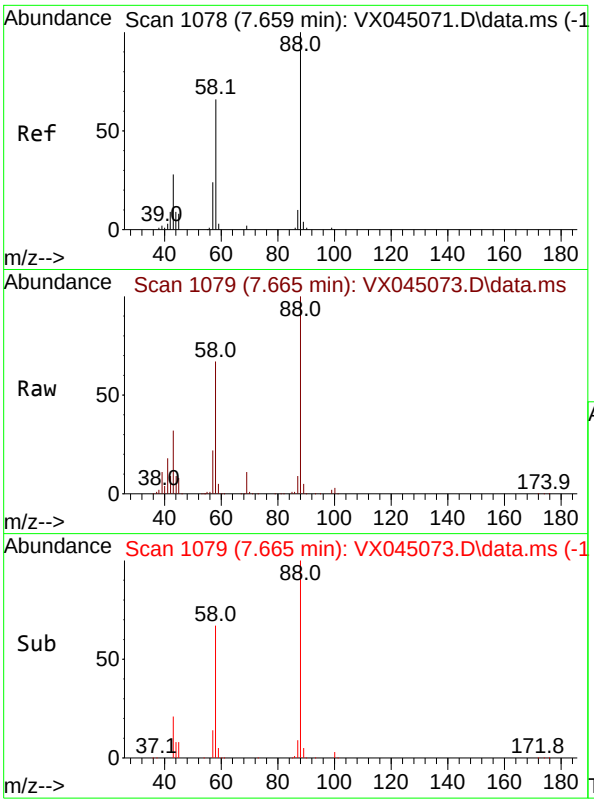


#48
Methyl methacrylate
Concen: 176.370 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 252275

Ion	Ratio	Lower	Upper
41	100		
69	78.1	63.0	94.6
39	61.1	47.5	71.3

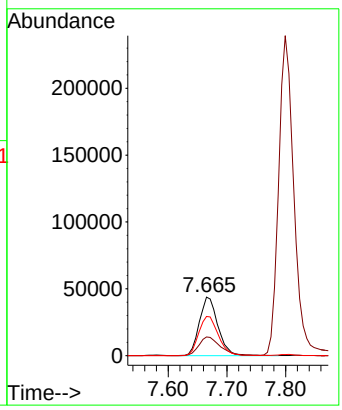




#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 88 Resp: 9626

Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.7	43.1
58	70.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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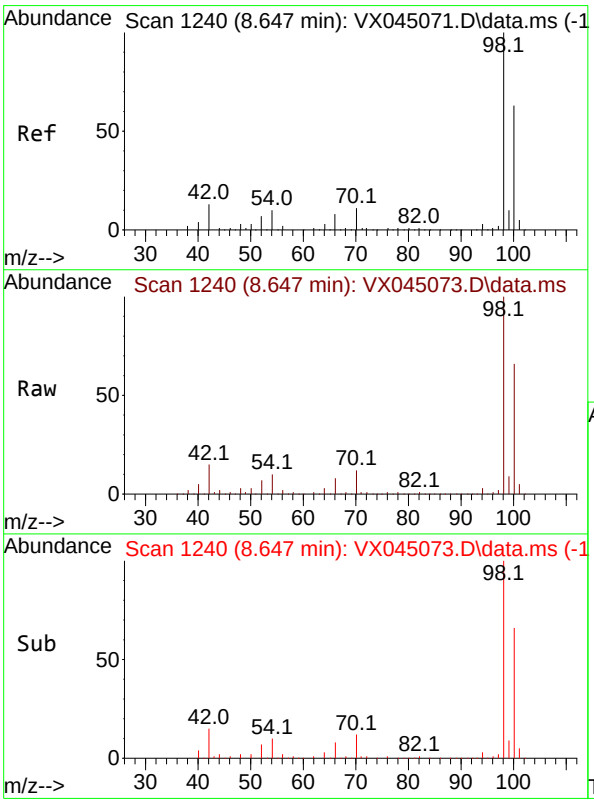
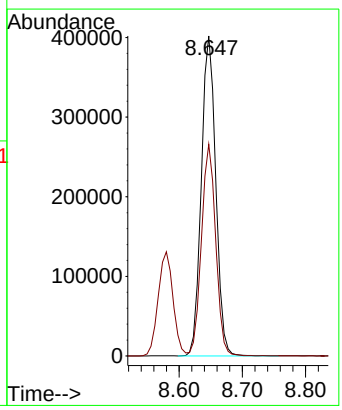
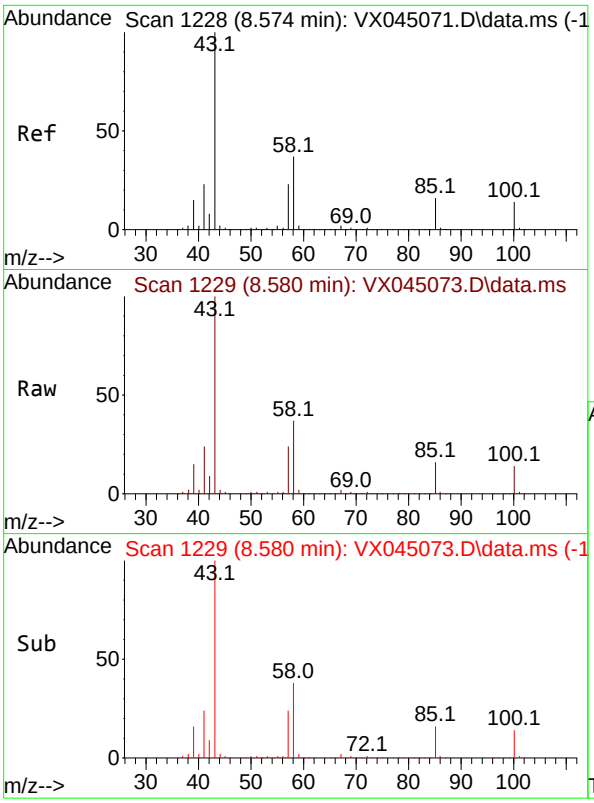


#50
Toluene-d8
Concen: 147.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 98 Resp: 638979

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0

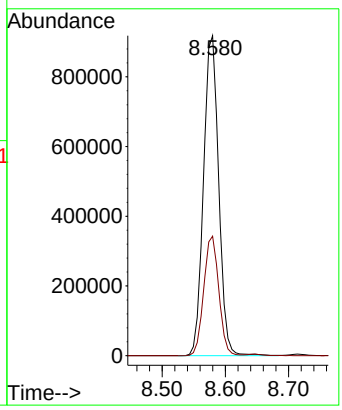




#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 153615

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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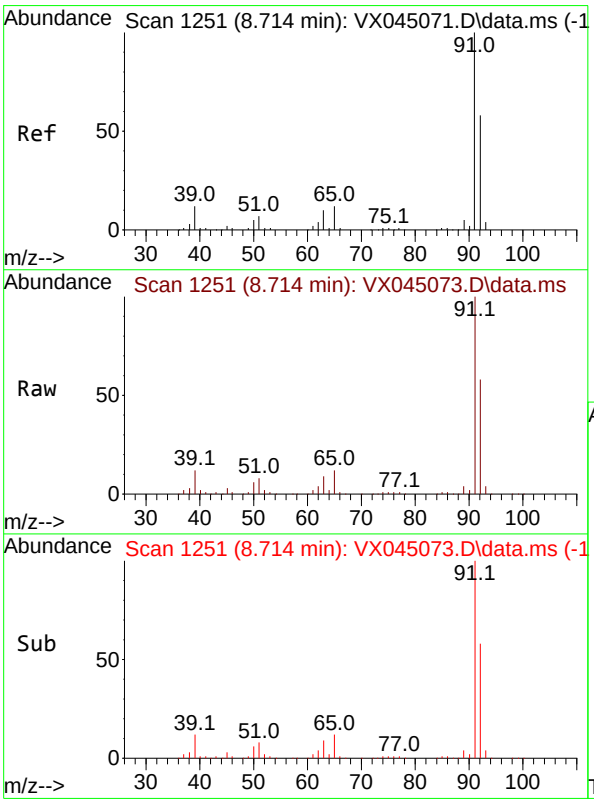
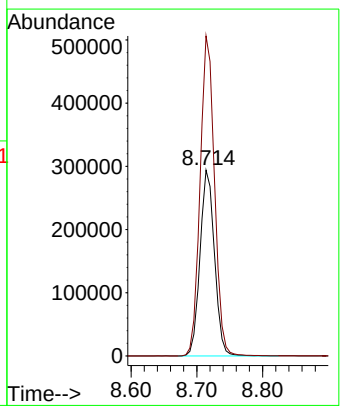
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

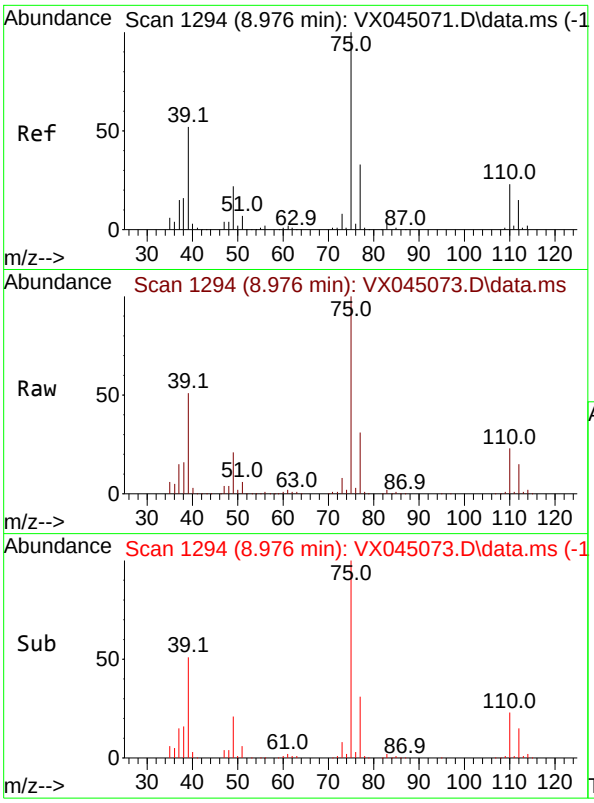


#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3

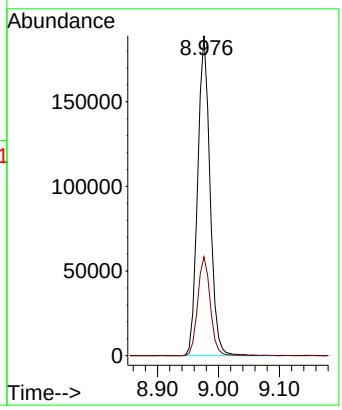




#53
t-1,3-Dichloropropene
Concen: 154.373 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 26644

Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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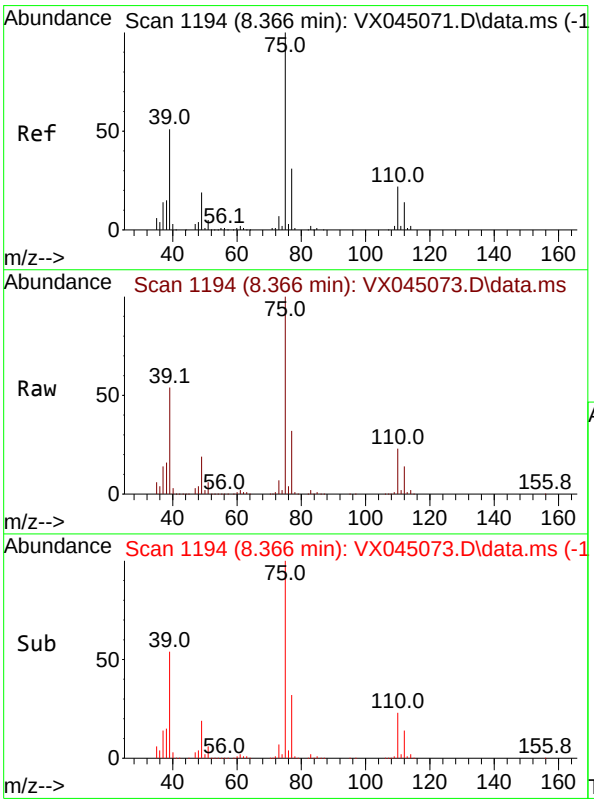
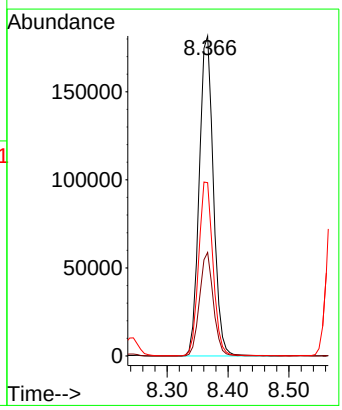
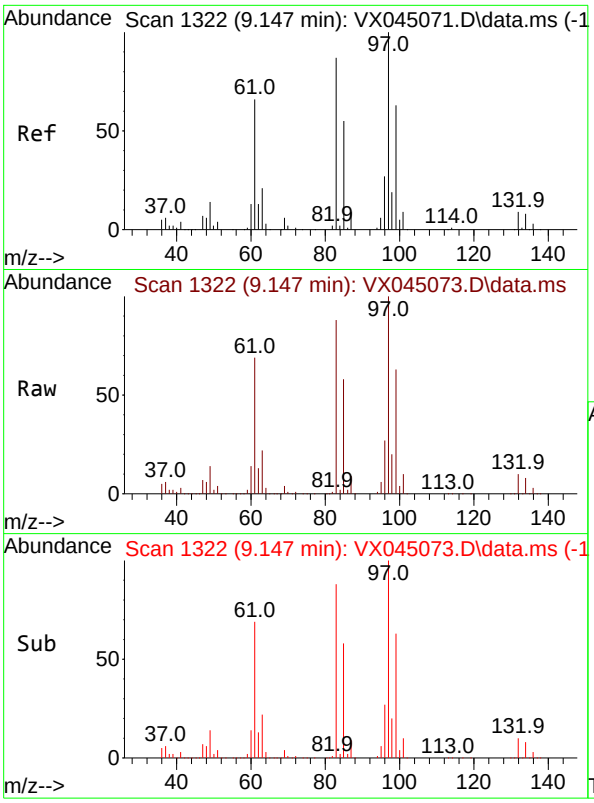


#54
cis-1,3-Dichloropropene
Concen: 152.117 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 293521

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	54.0	40.7	61.1

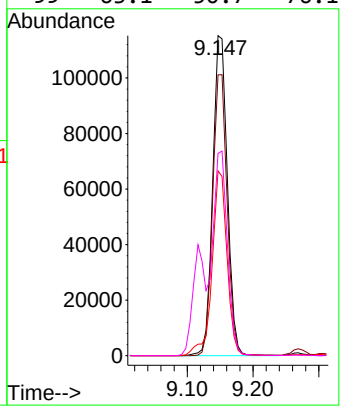




#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 17821

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	57.8	44.1	66.1
99	63.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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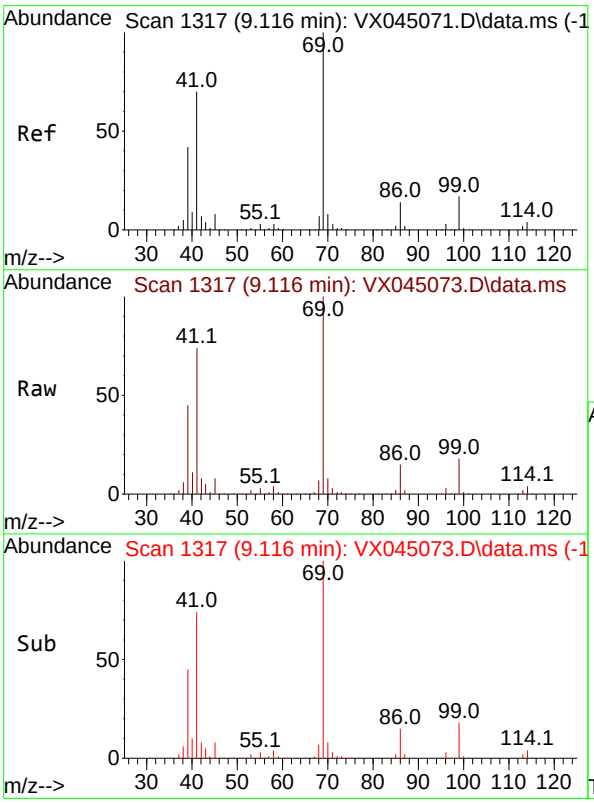
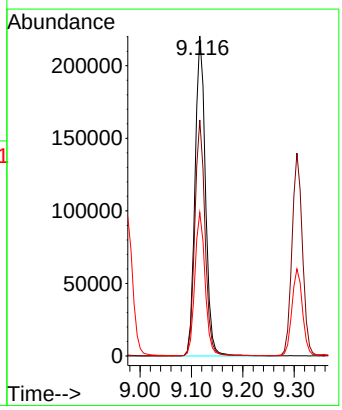
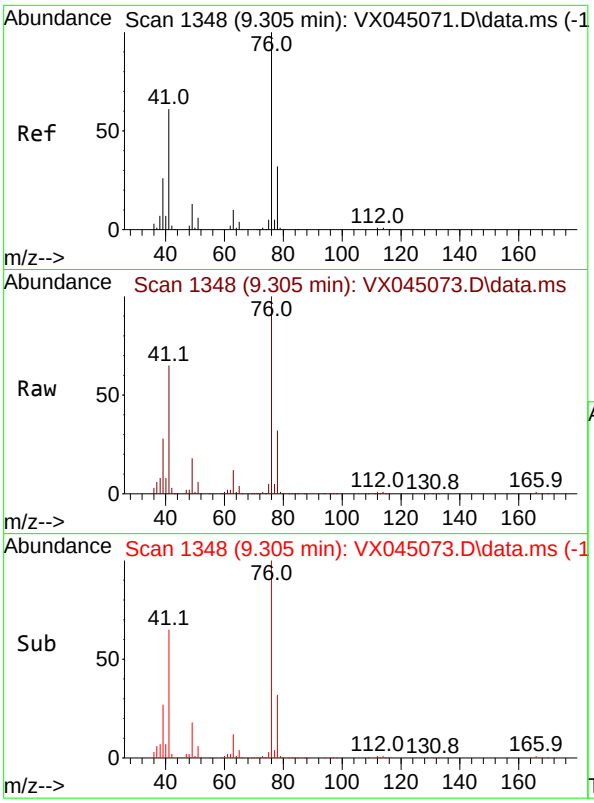


#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 69 Resp: 310992

Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.0	85.4
39	44.2	34.2	51.4

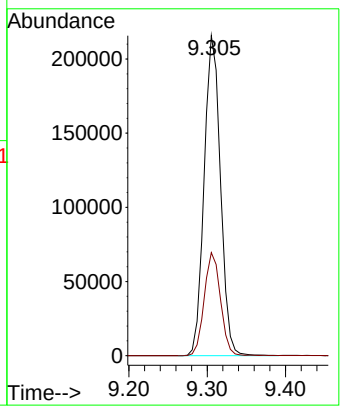




#57
1,3-Dichloropropane
Concen: 149.699 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 31219

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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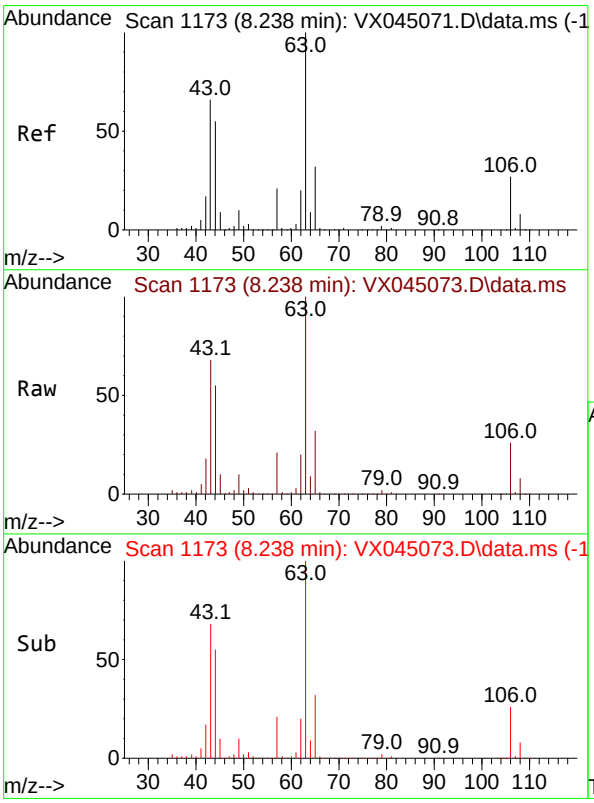
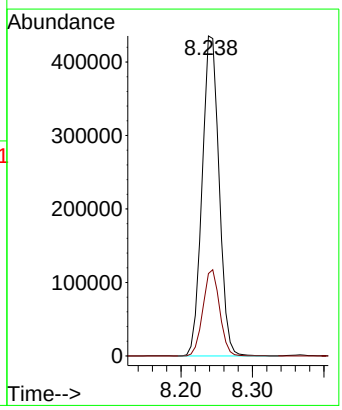
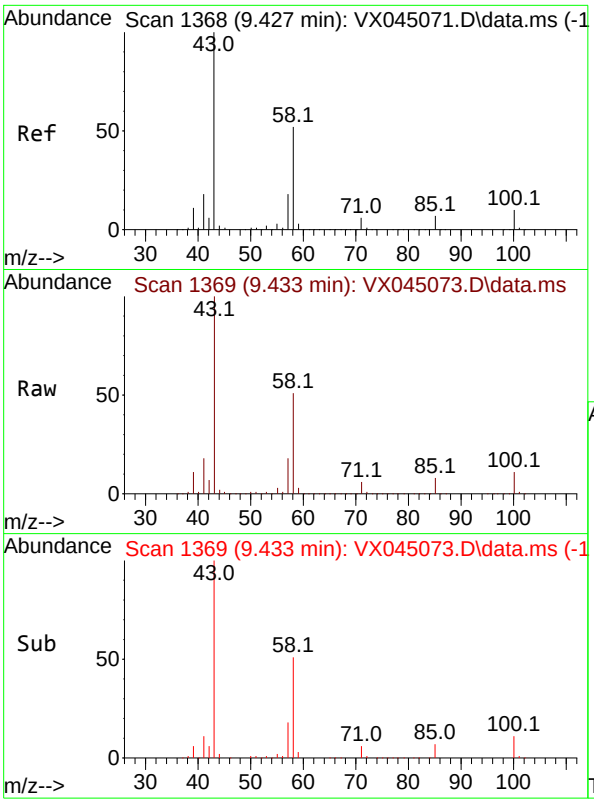


#58
2-Chloroethyl Vinyl ether
Concen: 764.019 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 717328

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3





#59
2-Hexanone
Concen: 868.492 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 115665

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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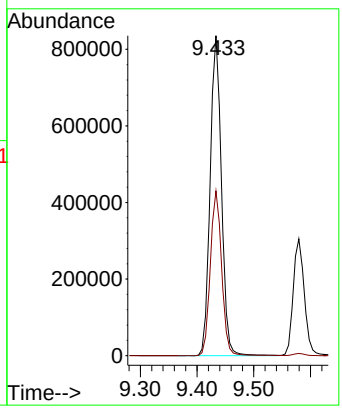
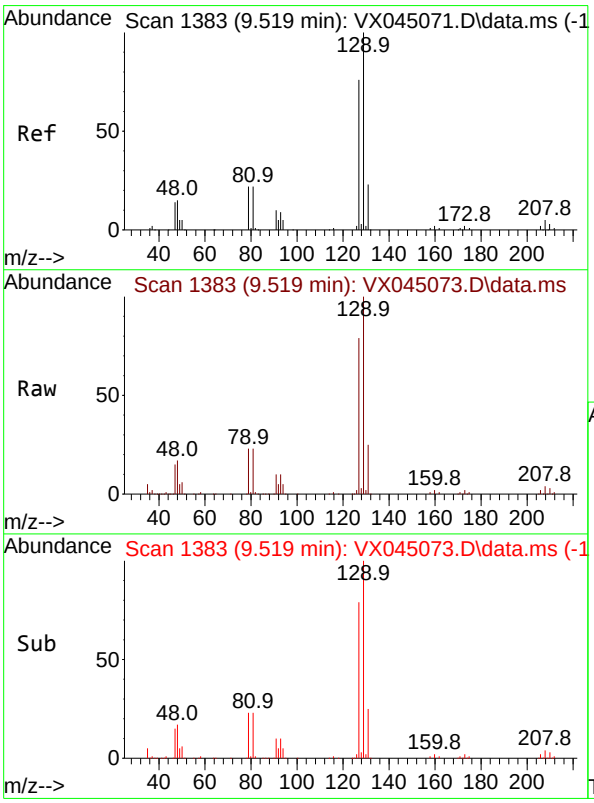
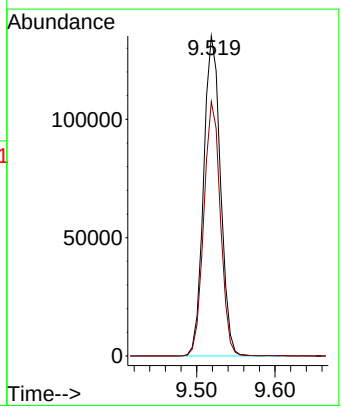


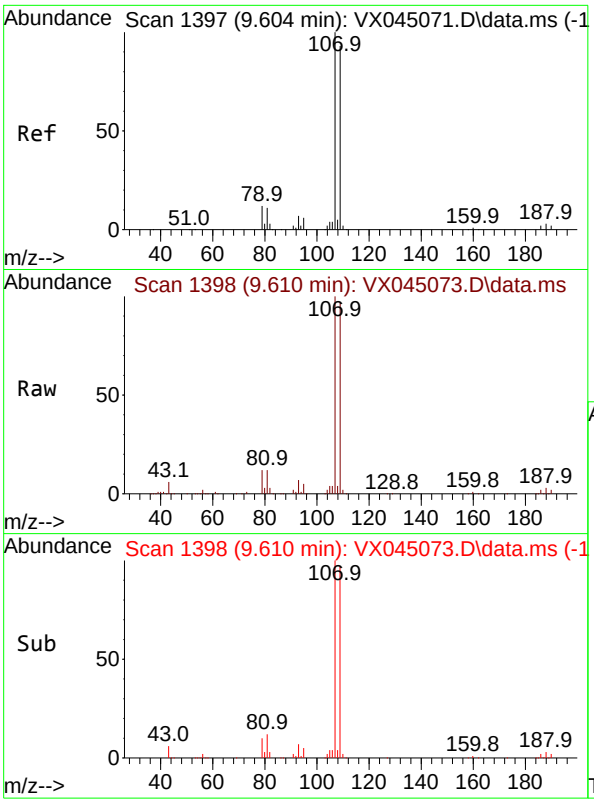


#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:129 Resp: 201906

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5





#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:107 Resp: 18582

Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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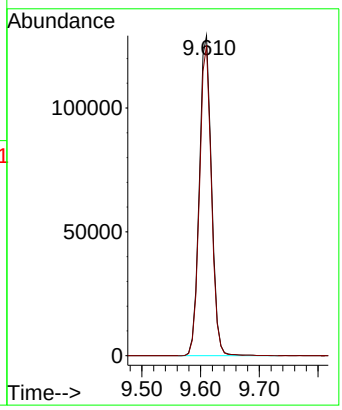
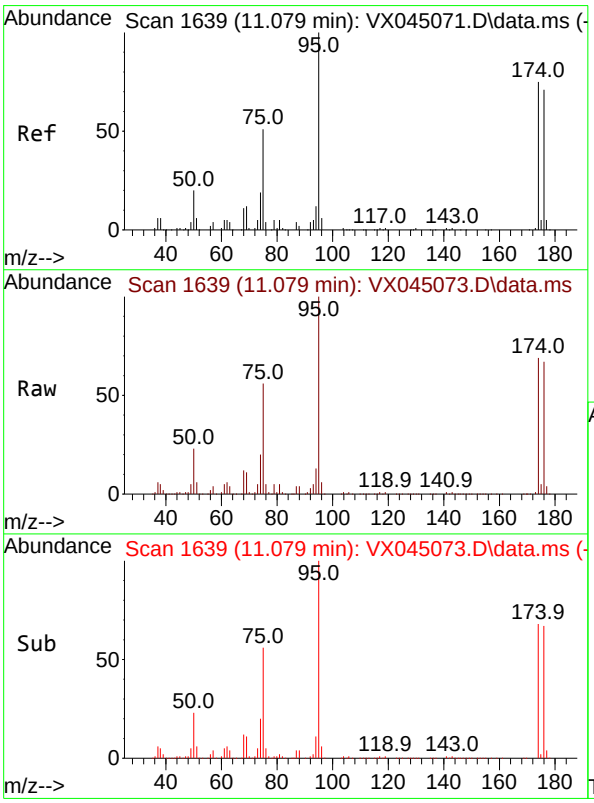
Supervised By :Mahesh Dadoda 02/28/2025

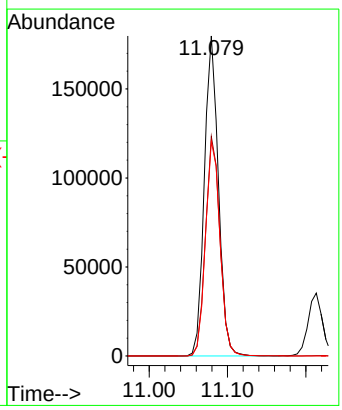


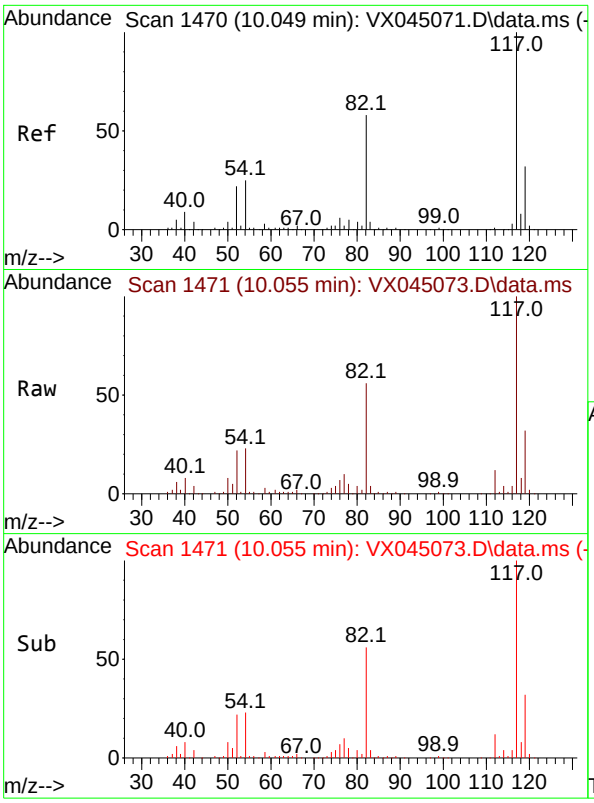


#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 95 Resp: 223346

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	148.2
176	69.4	0.0	141.4

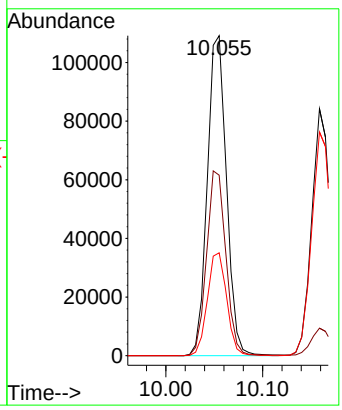




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 15054

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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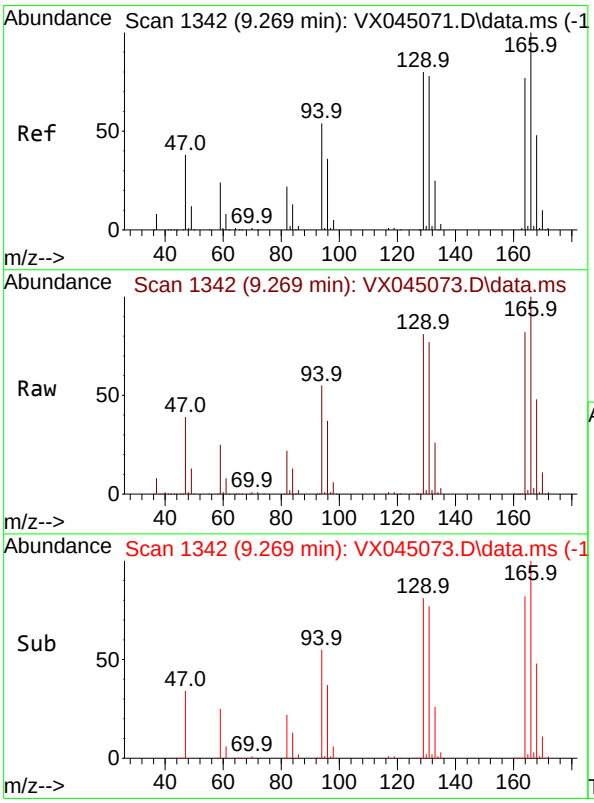
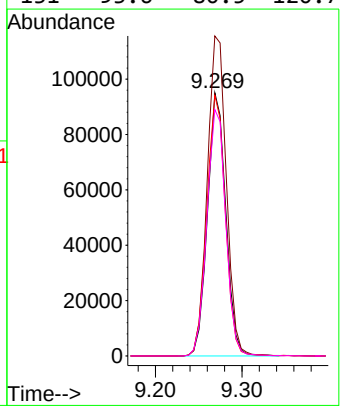
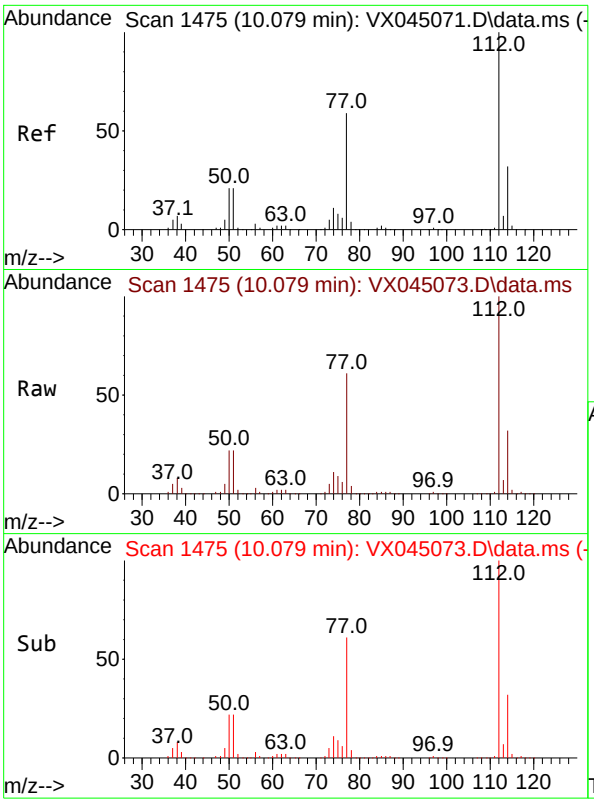


#64
Tetrachloroethene
Concen: 145.906 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:164 Resp: 139536

Ion	Ratio	Lower	Upper
164	100		
166	121.6	103.6	155.4
129	99.0	82.7	124.1
131	93.6	80.5	120.7

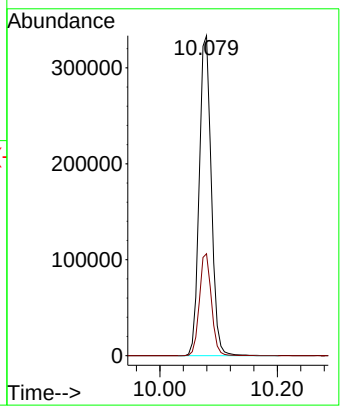




#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:112 Resp: 47211

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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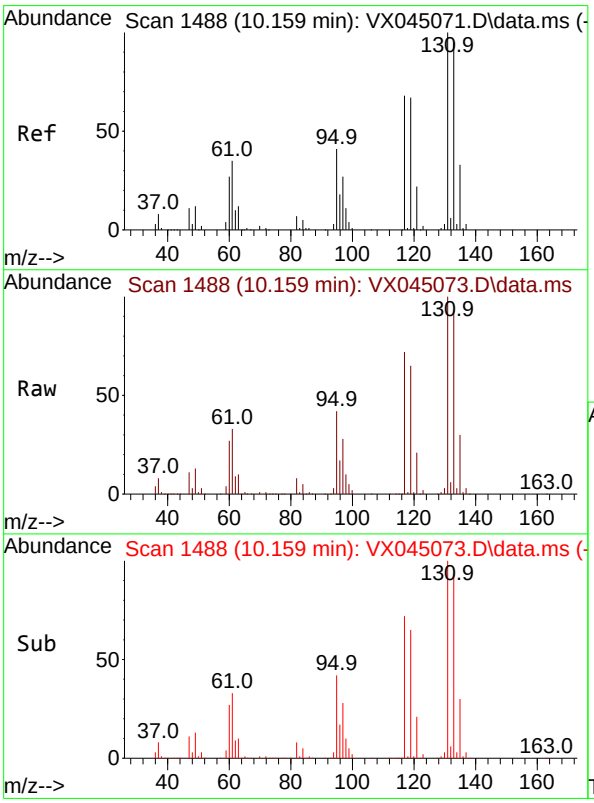
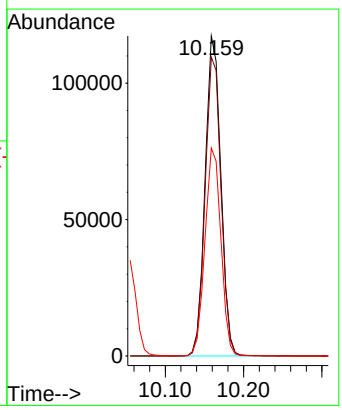
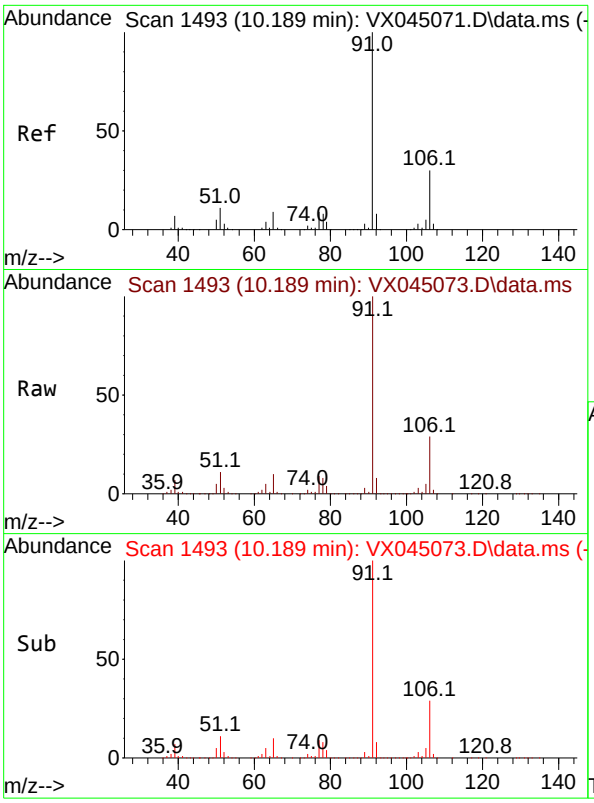


#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:131 Resp: 163370

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.6	145.9
119	66.0	33.9	101.7





#67
Ethyl Benzene
Concen: 149.191 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 85257

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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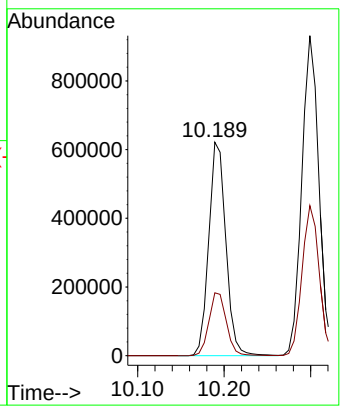
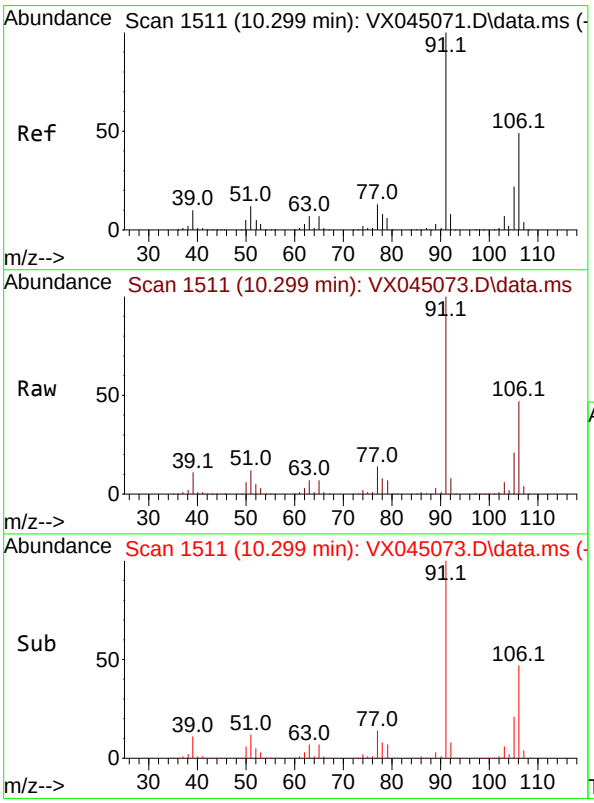
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

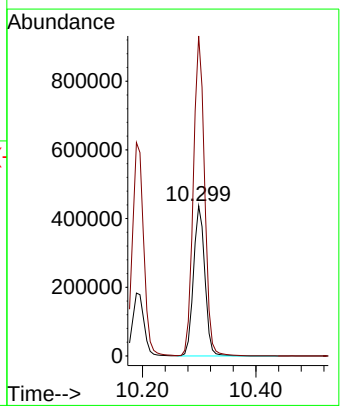


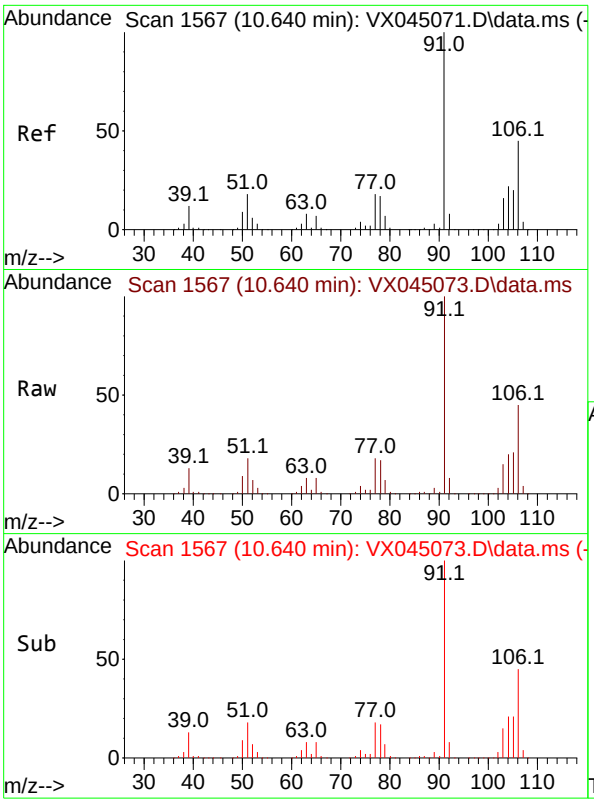


#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0

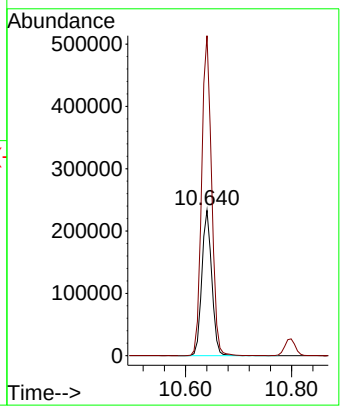




#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 30249

Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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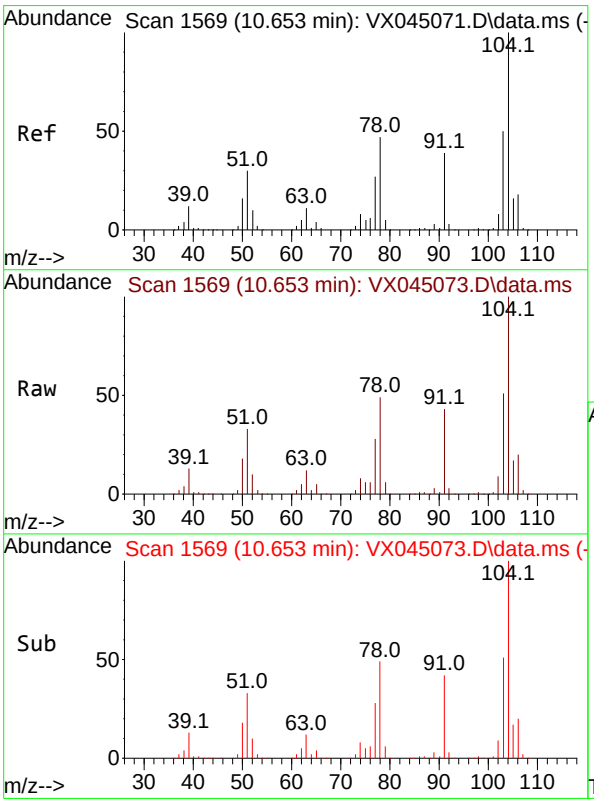
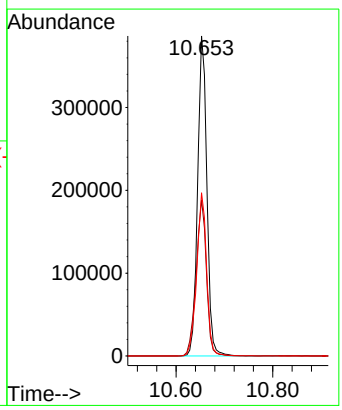
Supervised By :Mahesh Dadoda 02/28/2025

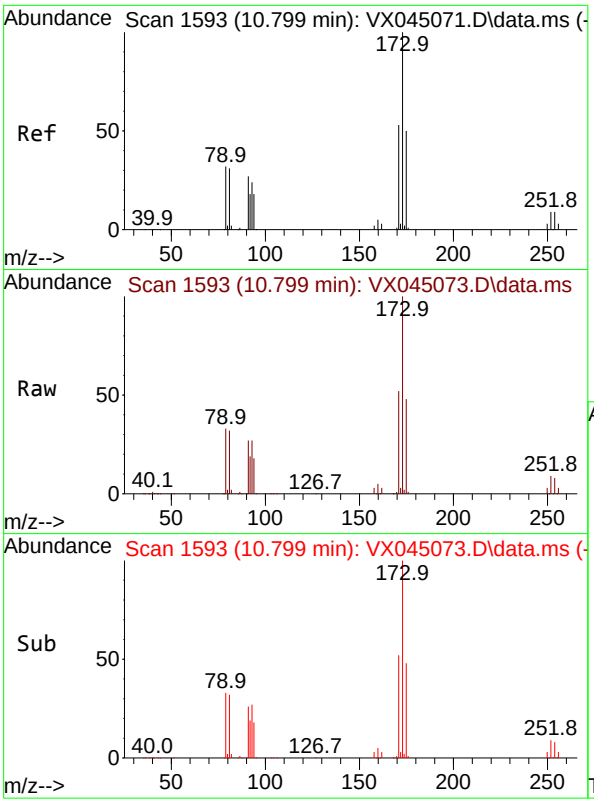


#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:104 Resp: 512379

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	54.8	43.8	65.8

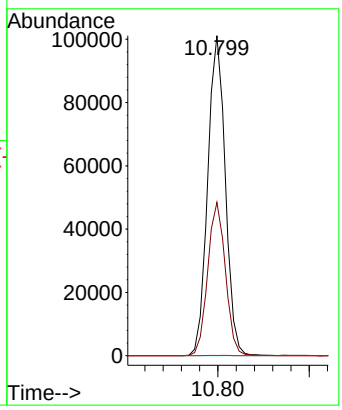




#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:173 Resp: 13538

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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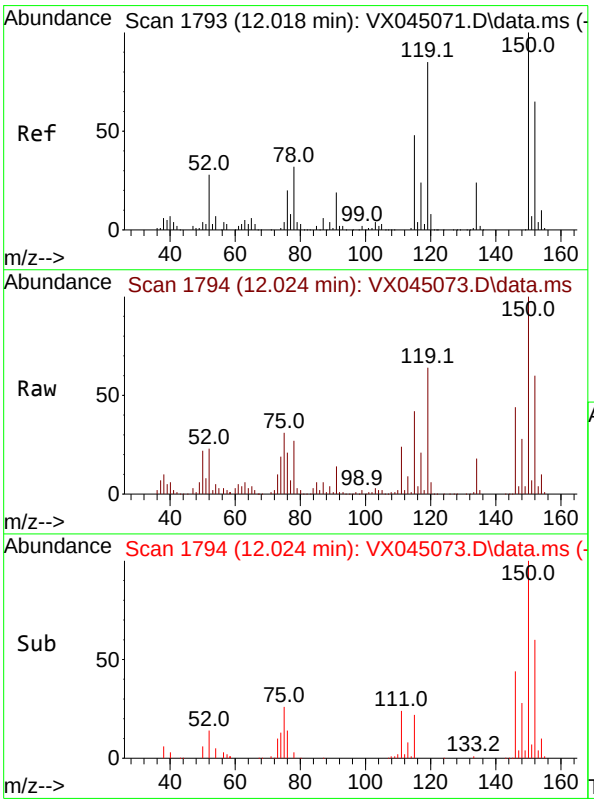
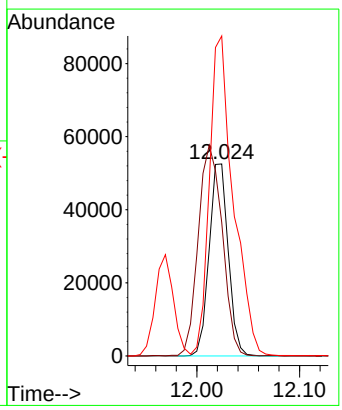
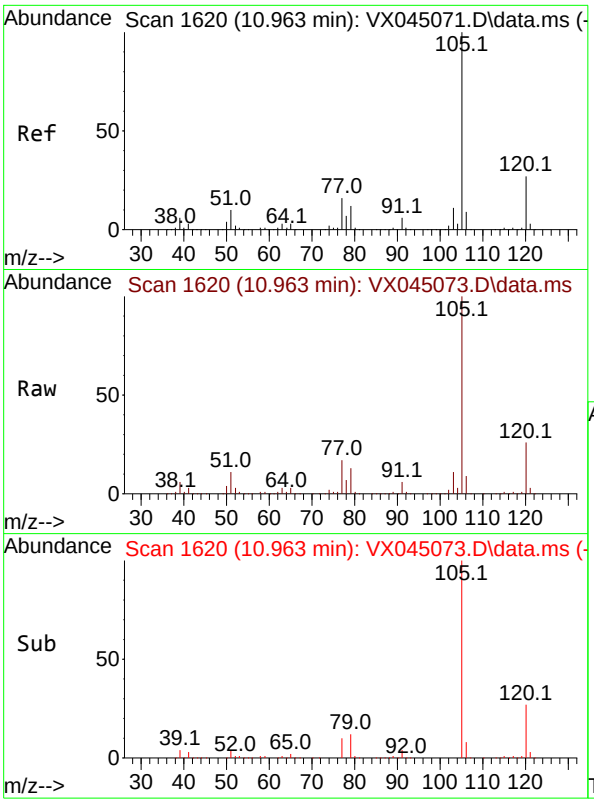


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:152 Resp: 67685

Ion	Ratio	Lower	Upper
152	100		
115	138.4	44.2	132.6#
150	208.8	0.0	349.0

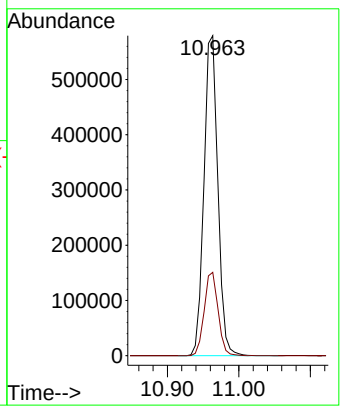




#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 78070

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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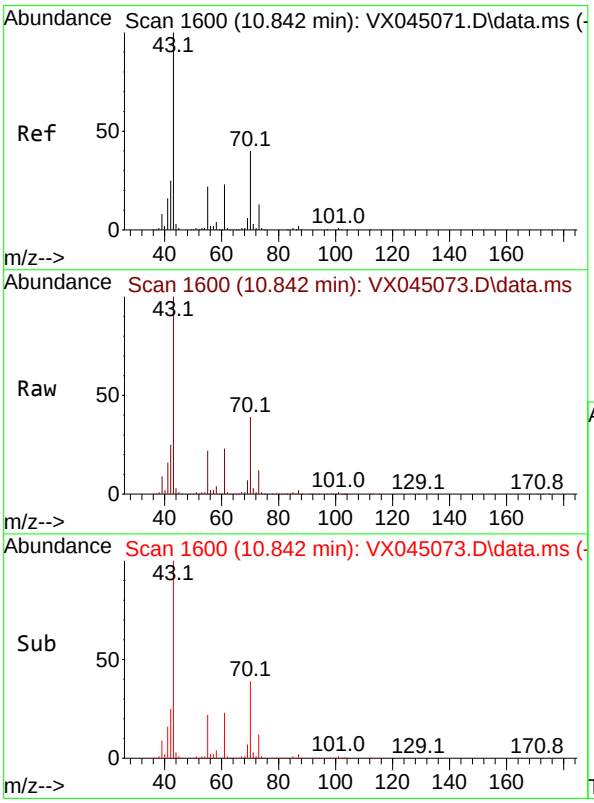
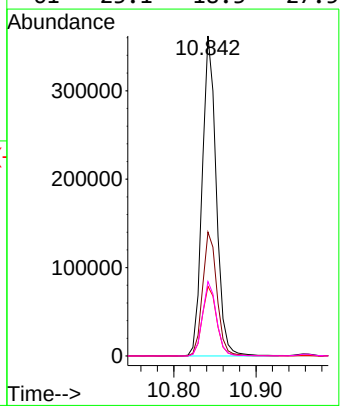
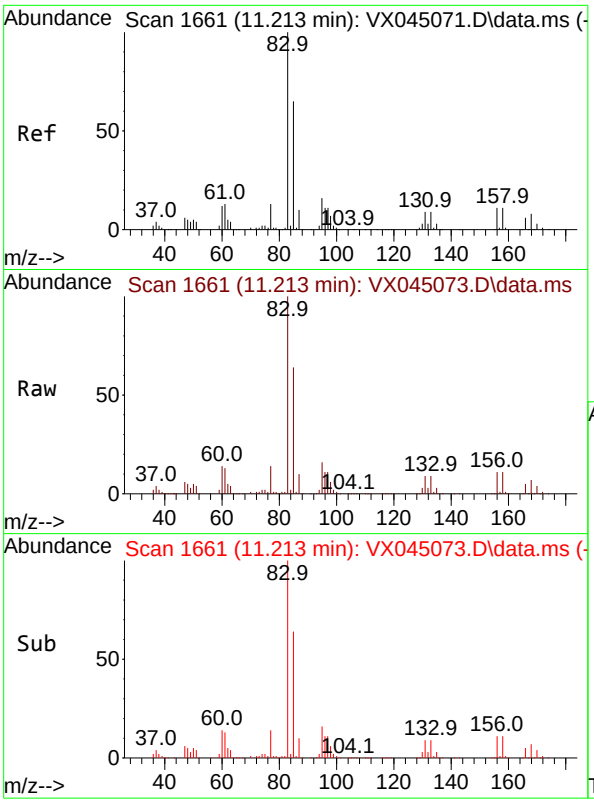


#74
N-amyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 429686

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.5	18.3	27.5
61	23.1	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 150.458 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 28355

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.8	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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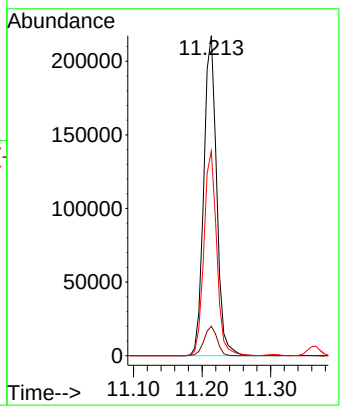
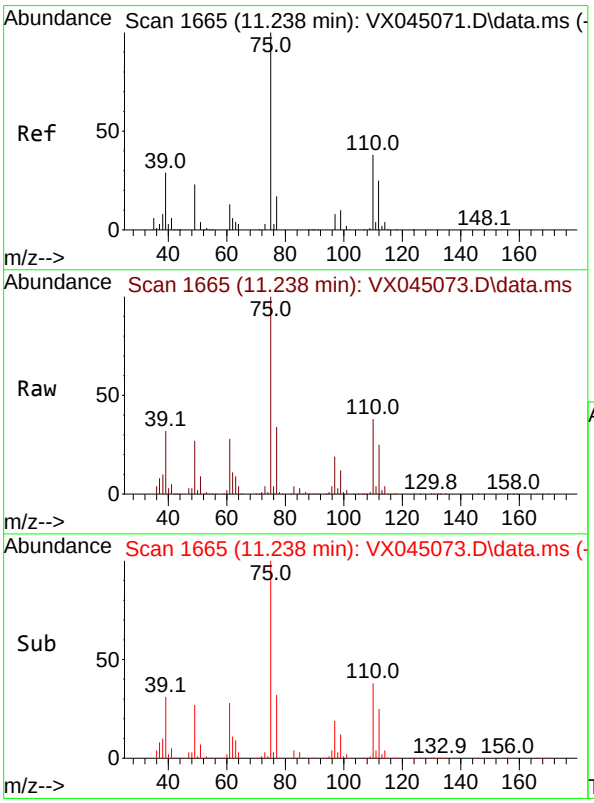
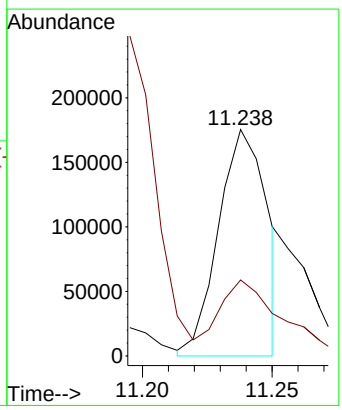


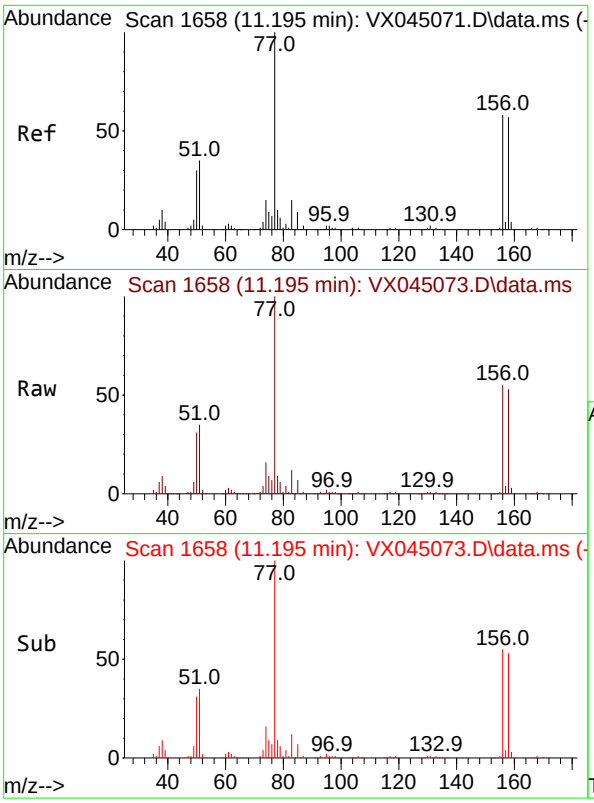


#76
1,2,3-Trichloropropane
Concen: 151.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 229435

Ion	Ratio	Lower	Upper
75	100		
77	43.2	20.7	62.1





#77
Bromobenzene
Concen: 145.760 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:156 Resp: 18099

Ion	Ratio	Lower	Upper
156	100		
77	179.4	85.8	257.4
158	97.1	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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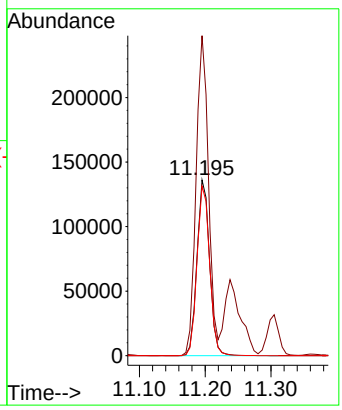
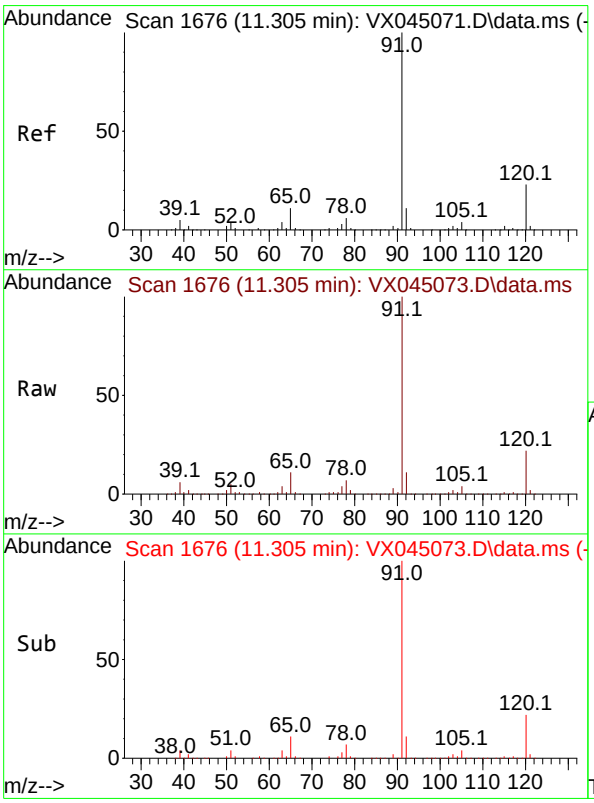
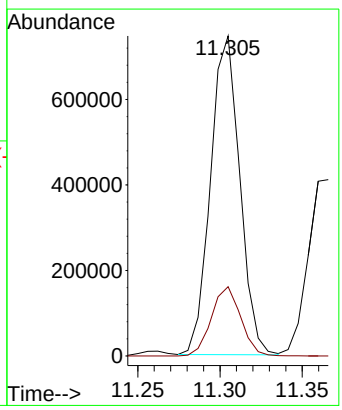


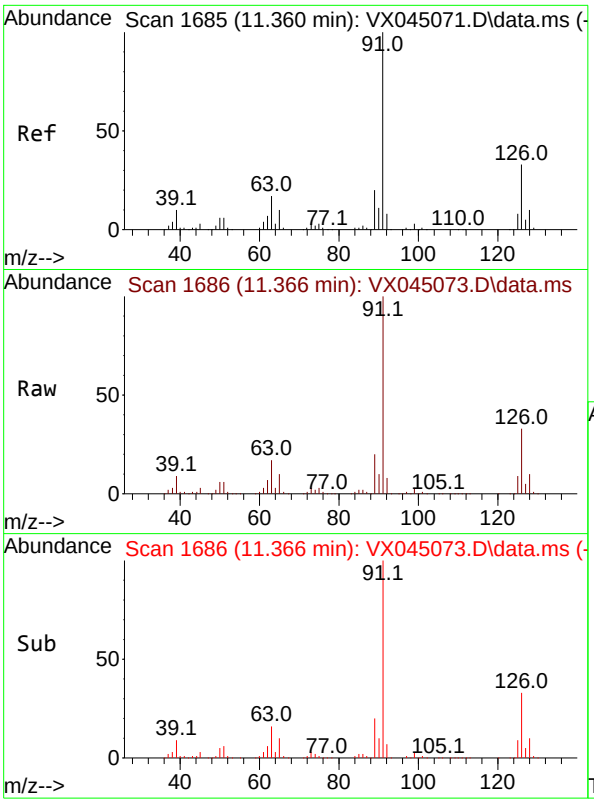


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 923593

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6





#79
2-Chlorotoluene
Concen: 141.695 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 54869

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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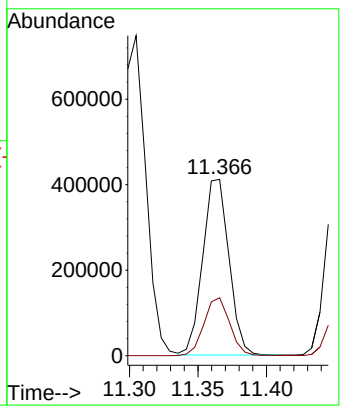
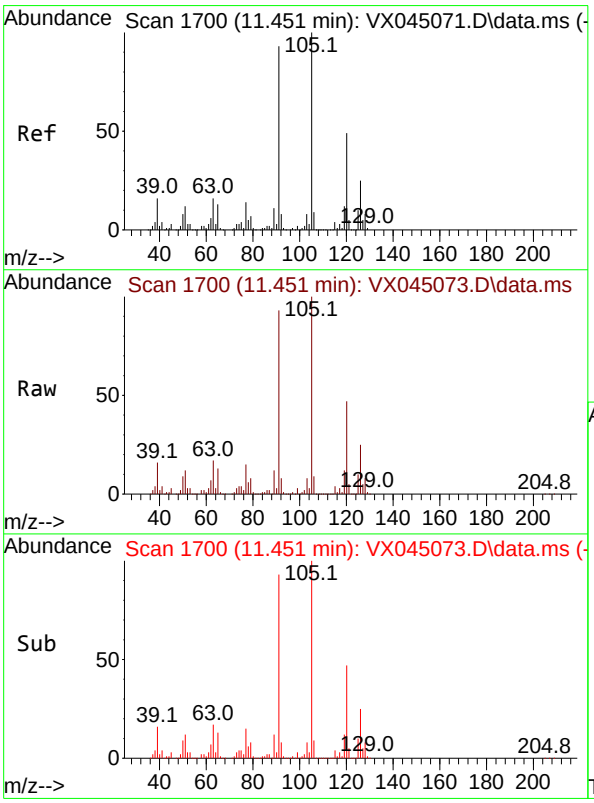
Supervised By :Mahesh Dadoda 02/28/2025

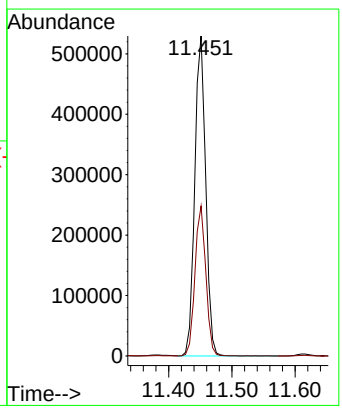


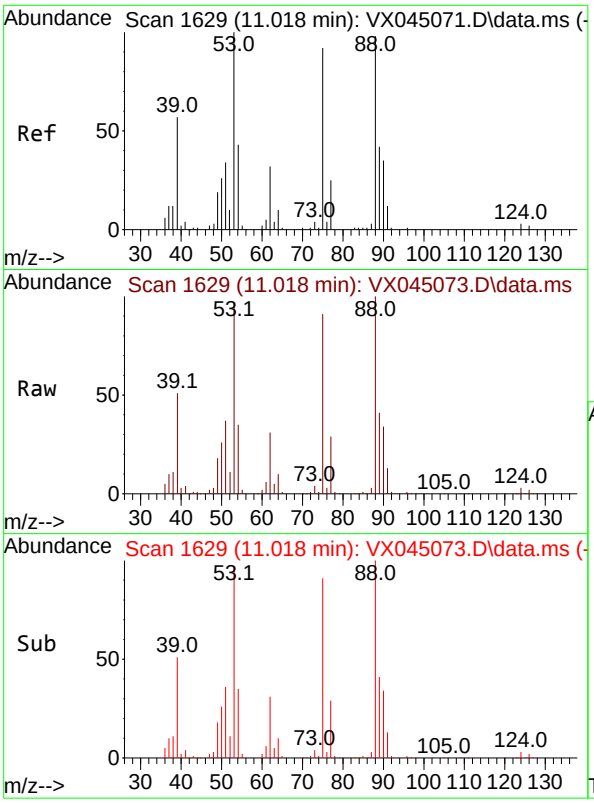


#80
1,3,5-Trimethylbenzene
Concen: 143.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 635832

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 8226

Ion	Ratio	Lower	Upper
75	100		
53	107.7	88.5	132.7
89	45.2	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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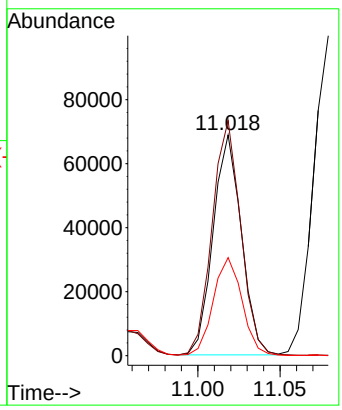
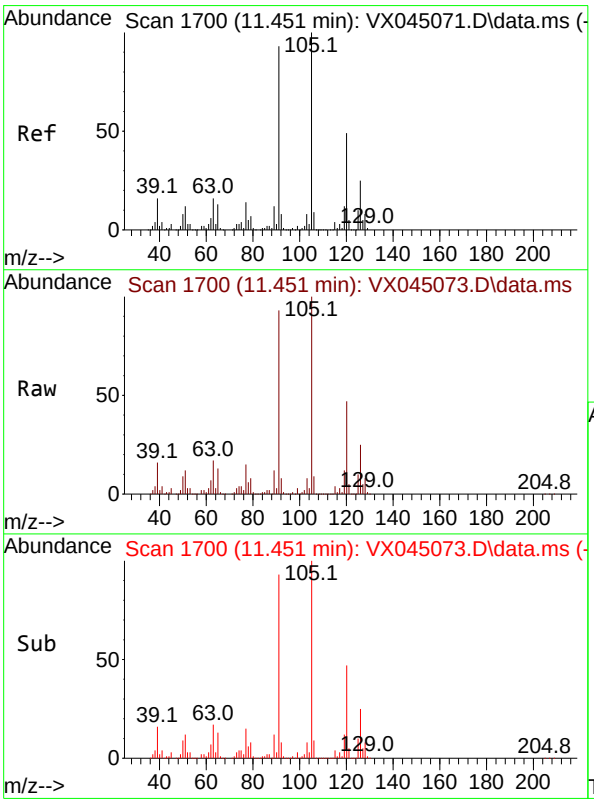
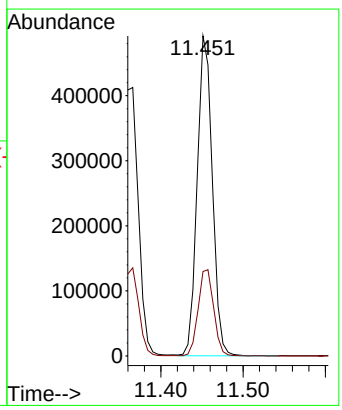


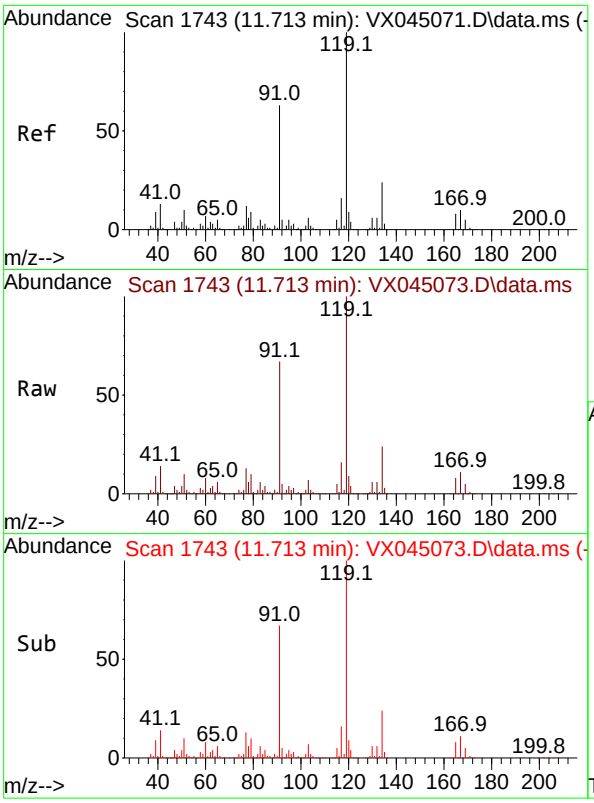


#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

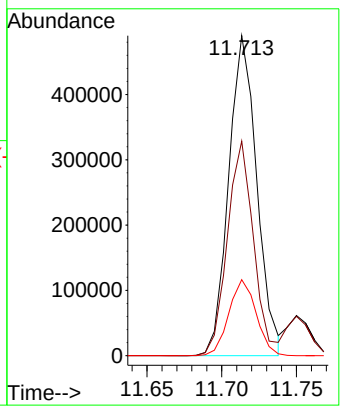




#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 64171

Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	23.0	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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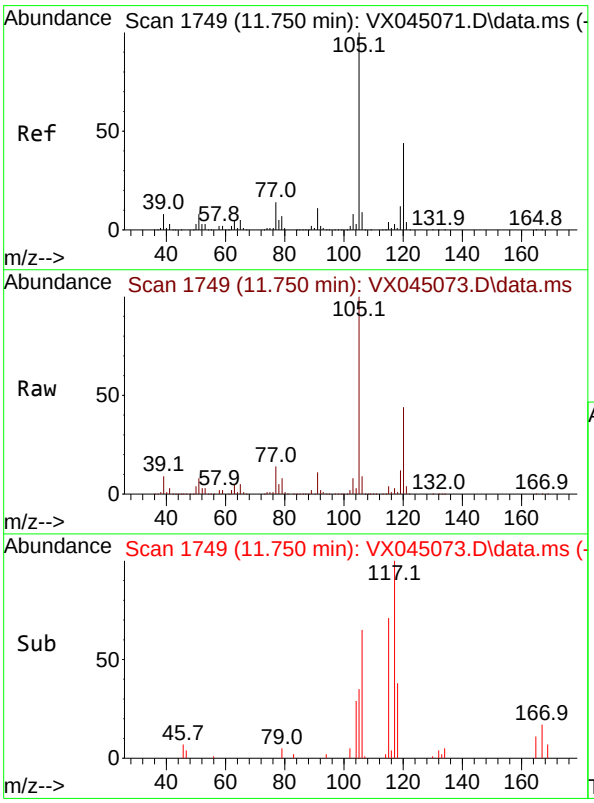
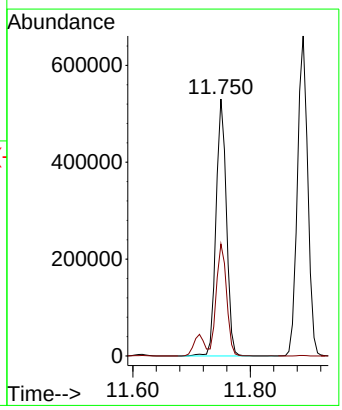
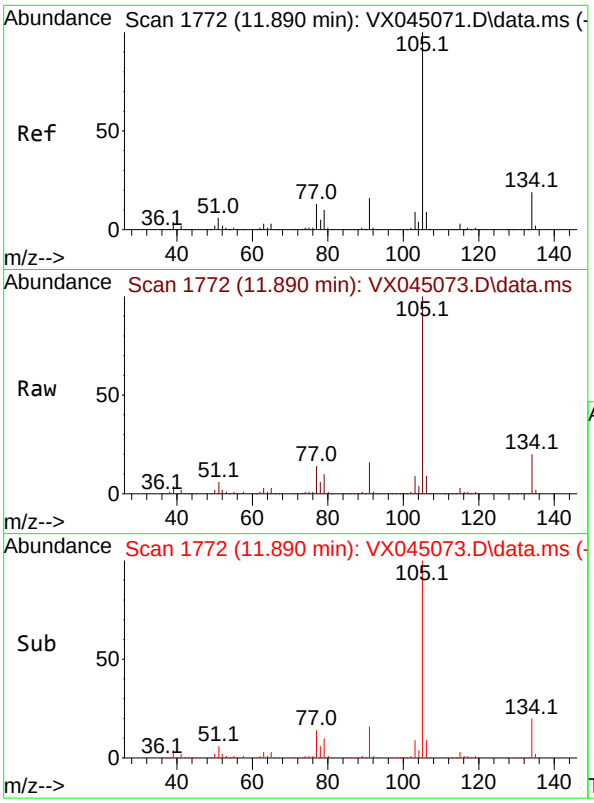


#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 647248

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1

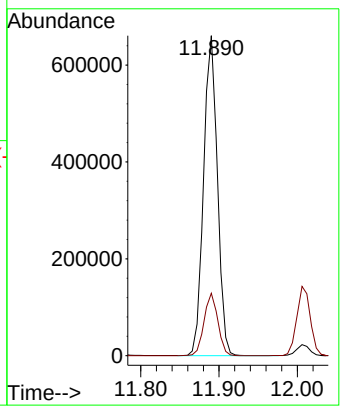




#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 80771

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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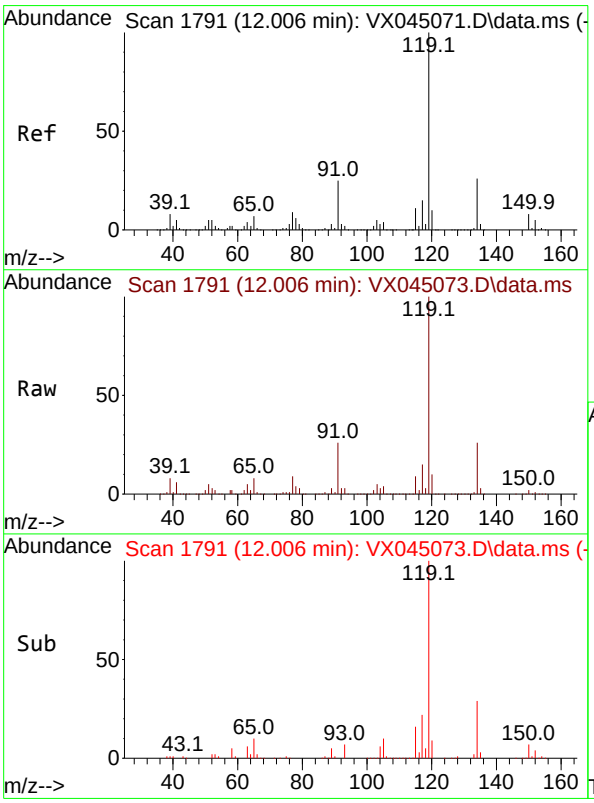
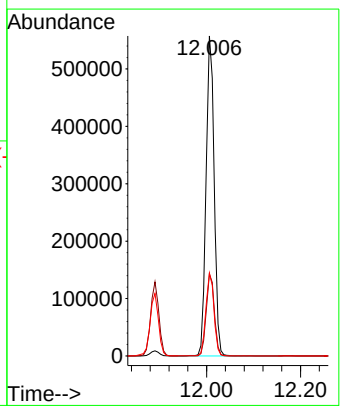
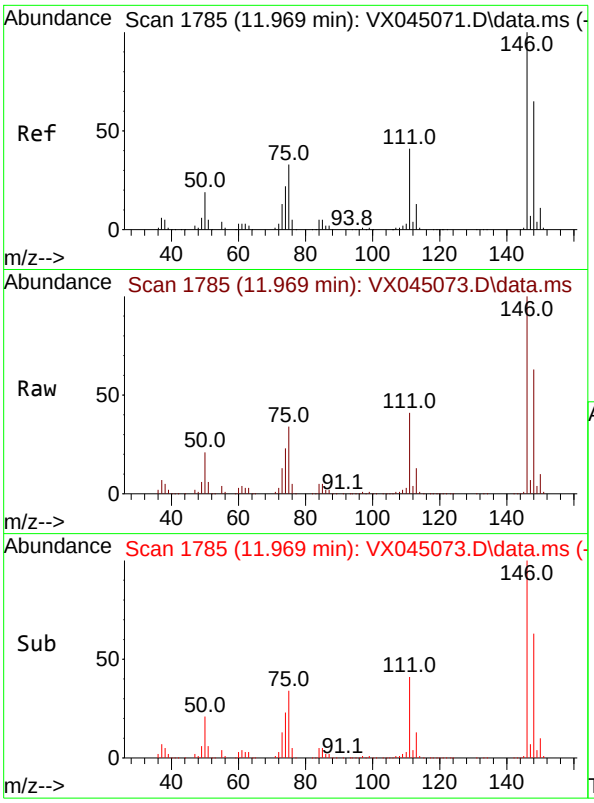


#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 664916

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.8	12.7	38.0

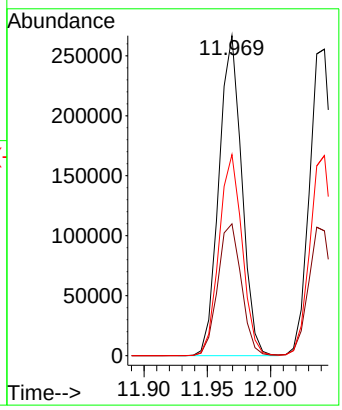




#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 33475

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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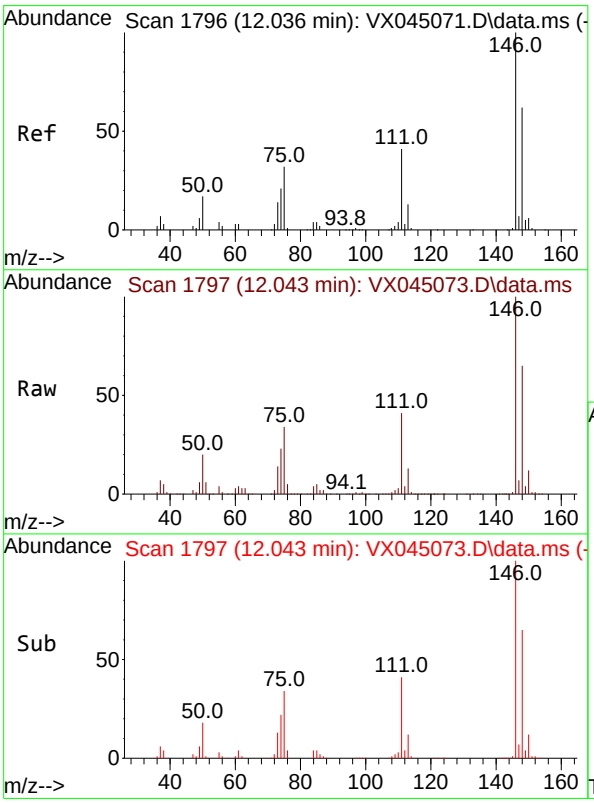
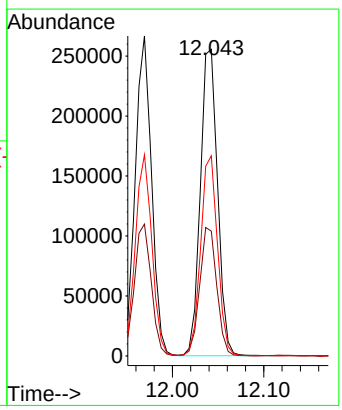
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

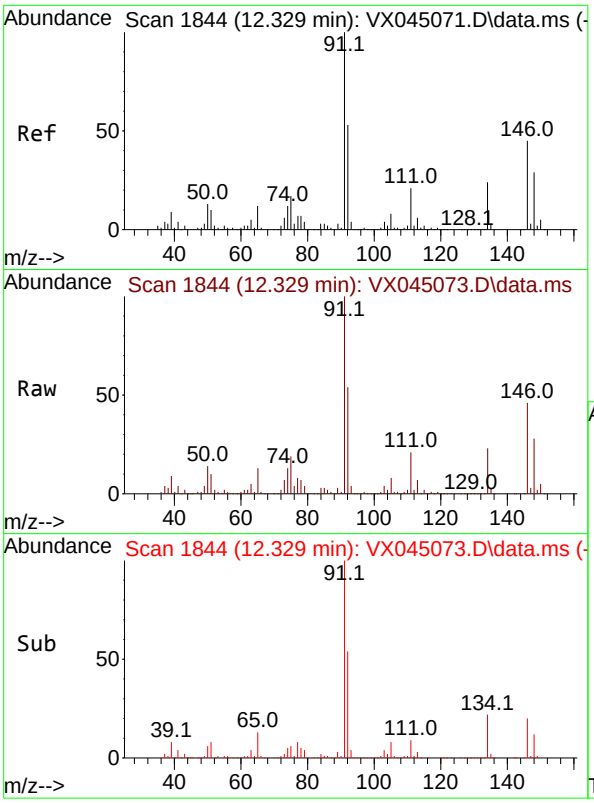


#88
1,4-Dichlorobenzene
Concen: 145.189 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 333594

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.2	60.5
148	64.0	31.9	95.9

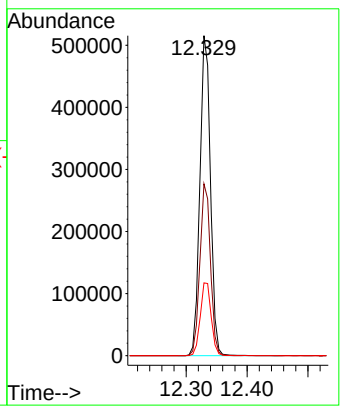




#89
n-Butylbenzene
Concen: 158.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 62075

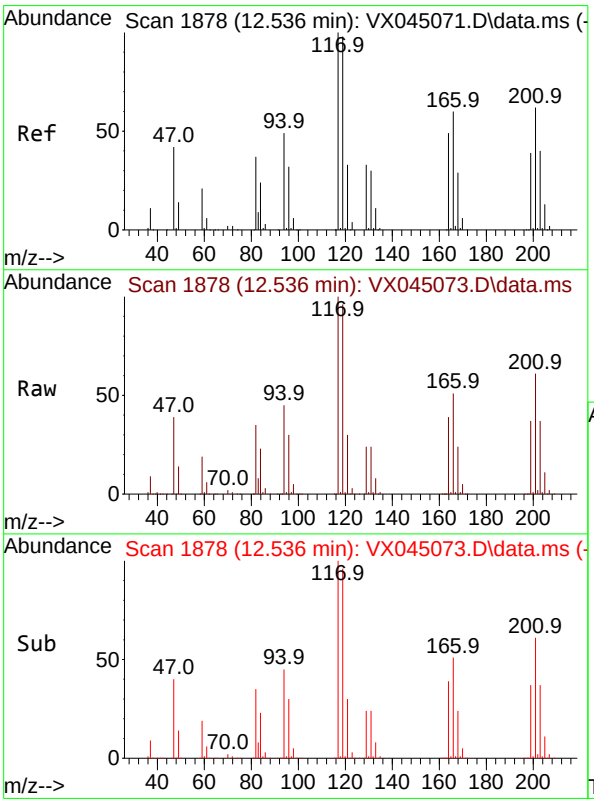
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	23.6	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

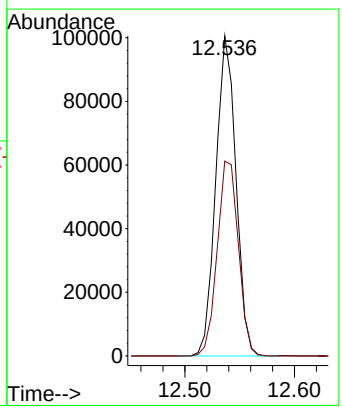
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

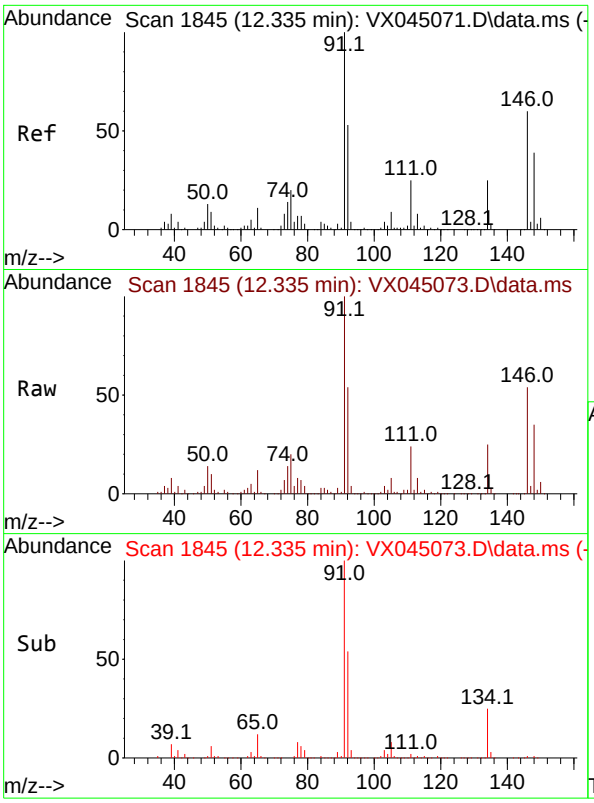


#90
Hexachloroethane
Concen: 154.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 128582

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.9	95.9

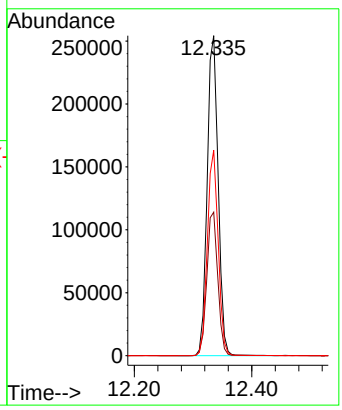




#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 32931

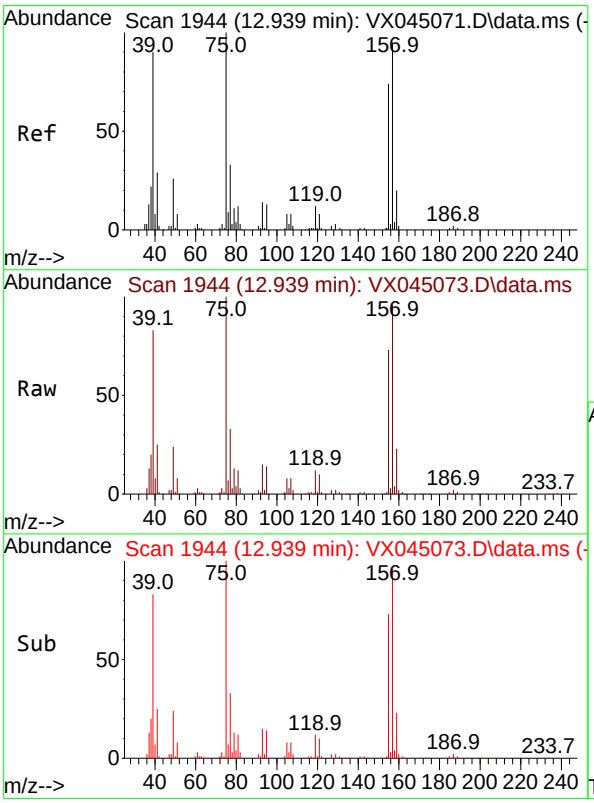
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

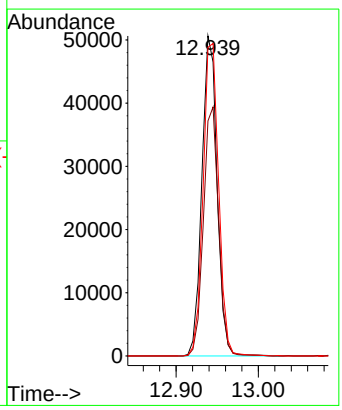
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

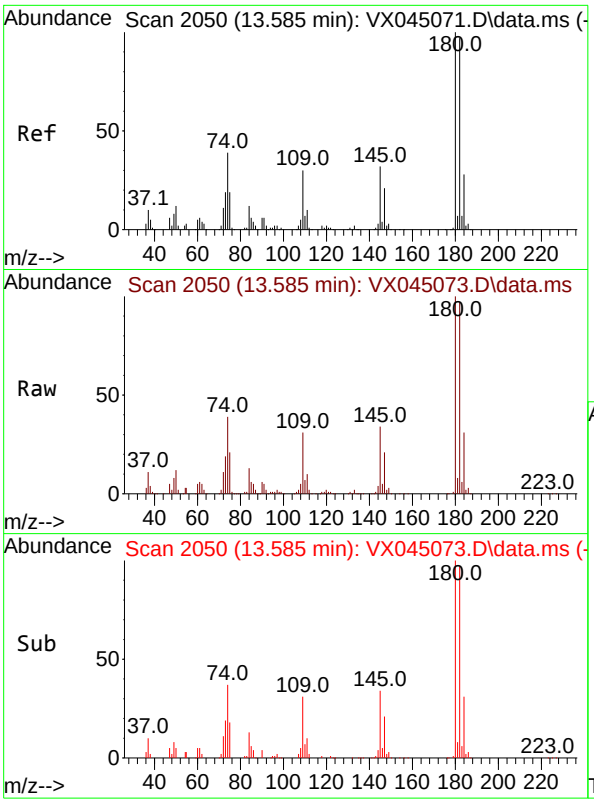


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 64958

Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.6	118.7
157	100.1	51.1	153.4

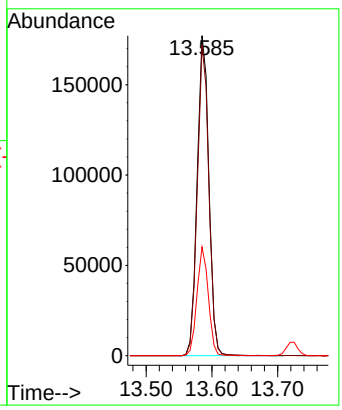




#93
1,2,4-Trichlorobenzene
Concen: 162.416 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 21931

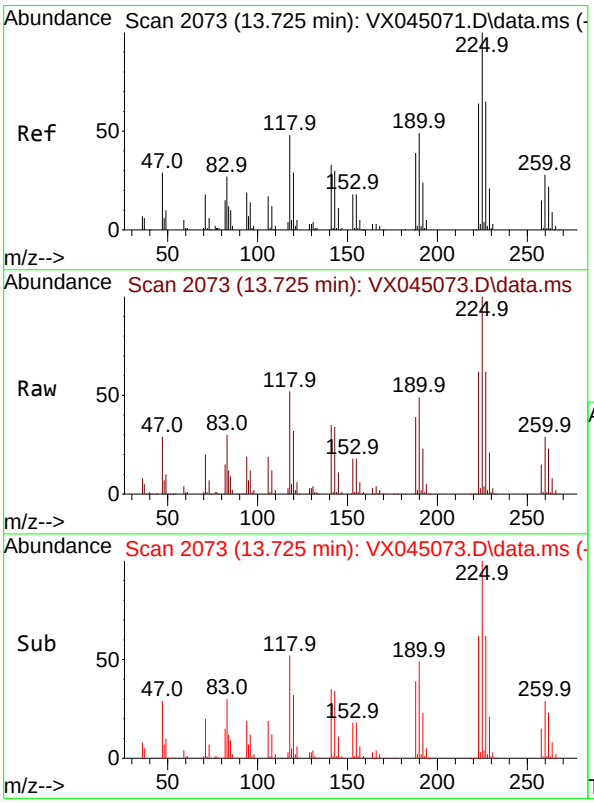
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.9	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

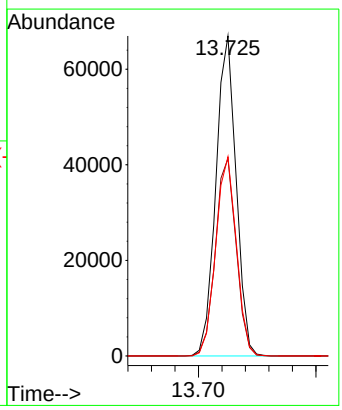
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

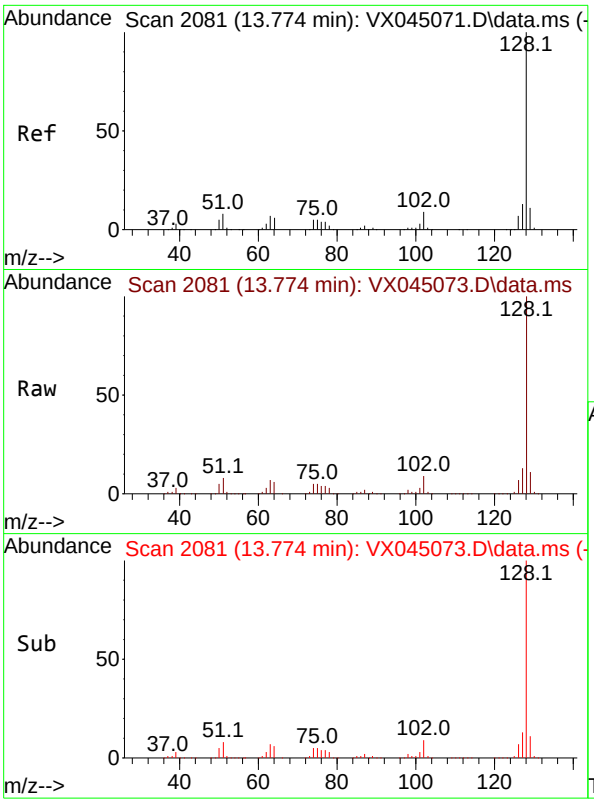


#94
Hexachlorobutadiene
Concen: 149.034 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:225 Resp: 80241

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	63.4	31.4	94.0

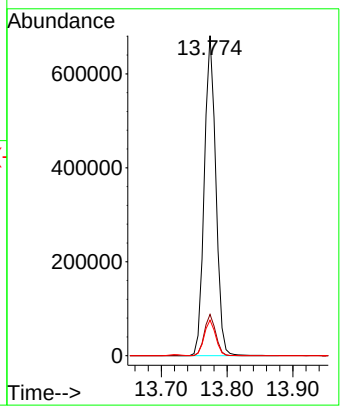




#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:128 Resp: 828949

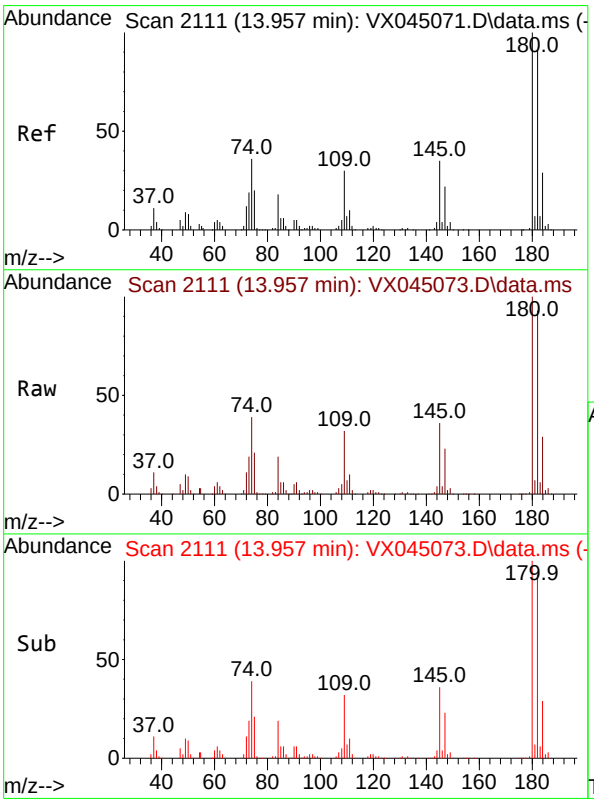
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

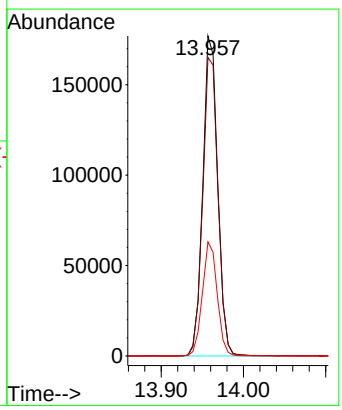
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 162.727 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 222608

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	35.5	17.0	50.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81288	50.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.600%			
35) Dibromofluoromethane	5.385	113	62880	50.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.647	98	225823	50.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.720%			
62) 4-Bromofluorobenzene	11.079	95	73162	49.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61303	47.933	ug/l	95
3) Chloromethane	1.306	50	76216	48.696	ug/l	94
4) Vinyl Chloride	1.373	62	76901	49.529	ug/l	97
5) Bromomethane	1.593	94	28193	46.190	ug/l	97
6) Chloroethane	1.660	64	30042	41.948	ug/l	99
7) Trichlorofluoromethane	1.867	101	101886	49.569	ug/l	98
8) Diethyl Ether	2.136	74	39113	48.651	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	59477	50.367	ug/l	100
10) Methyl Iodide	2.440	142	74585	50.541	ug/l	98
11) Tert butyl alcohol	2.989	59	73034	238.577	ug/l	98
12) 1,1-Dichloroethene	2.306	96	61885	49.568	ug/l	98
13) Acrolein	2.239	56	95989	271.255	ug/l	99
14) Allyl chloride	2.654	41	114875	51.691	ug/l	98
15) Acrylonitrile	3.068	53	209607	255.479	ug/l	99
16) Acetone	2.392	43	182119	242.877	ug/l	100
17) Carbon Disulfide	2.501	76	166105	49.952	ug/l	97
18) Methyl Acetate	2.709	43	90756	50.312	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	222475	53.114	ug/l	99
20) Methylene Chloride	2.782	84	73731	49.639	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	63117	51.172	ug/l	98
22) Diisopropyl ether	3.763	45	243860	53.955	ug/l	97
23) Vinyl Acetate	3.721	43	1064817	282.313	ug/l	100
24) 1,1-Dichloroethane	3.605	63	129666	51.190	ug/l	100
25) 2-Butanone	4.562	43	298021	264.040	ug/l	98
26) 2,2-Dichloropropane	4.471	77	58694	49.401	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	78576	51.606	ug/l	100
28) Bromochloromethane	4.891	49	60849	50.399	ug/l	100
29) Tetrahydrofuran	5.007	42	195768	258.277	ug/l	99
30) Chloroform	5.086	83	126437	50.236	ug/l	98
31) Cyclohexane	5.464	56	110288	50.158	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	103546	50.939	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82722	48.770	ug/l	99
37) Ethyl Acetate	4.714	43	112768	51.596	ug/l	99
38) Carbon Tetrachloride	5.672	117	85110	49.425	ug/l	99
39) Methylcyclohexane	7.372	83	103996	51.169	ug/l	98
40) Benzene	6.031	78	274206	51.195	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63051	53.352	ug/l		99
42) 1,2-Dichloroethane	6.080	62	97821	50.718	ug/l		100
43) Isopropyl Acetate	6.342	43	175982	54.452	ug/l		100
44) Trichloroethene	7.122	130	61530	48.924	ug/l		99
45) 1,2-Dichloropropane	7.427	63	70350	51.086	ug/l		97
46) Dibromomethane	7.580	93	50284	51.661	ug/l		99
47) Bromodichloromethane	7.817	83	97236	50.930	ug/l		99
48) Methyl methacrylate	7.689	41	87582	54.016	ug/l		100
49) 1,4-Dioxane	7.665	88	35878	1049.007	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	564197	259.995	ug/l		99
52) Toluene	8.714	92	160331	51.020	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86584	54.247	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	98146	52.732	ug/l		95
55) 1,1,2-Trichloroethane	9.146	97	64985	50.232	ug/l		99
56) Ethyl methacrylate	9.116	69	106405	54.109	ug/l		100
57) 1,3-Dichloropropane	9.305	76	114880	51.312	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	264335	275.557	ug/l		99
59) 2-Hexanone	9.427	43	416731	265.049	ug/l		99
60) Dibromochloromethane	9.518	129	69492	51.374	ug/l		98
61) 1,2-Dibromoethane	9.610	107	66501	51.492	ug/l		99
64) Tetrachloroethene	9.268	164	50659	50.126	ug/l		96
65) Chlorobenzene	10.079	112	168885	50.580	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56822	51.102	ug/l		98
67) Ethyl Benzene	10.189	91	300324	51.621	ug/l		100
68) m/p-Xylenes	10.299	106	220335	103.454	ug/l		99
69) o-Xylene	10.640	106	108836	50.668	ug/l		100
70) Styrene	10.652	104	181349	52.177	ug/l		100
71) Bromoform	10.799	173	44135	52.636	ug/l	#	100
73) Isopropylbenzene	10.957	105	279278	51.589	ug/l		99
74) N-amyl acetate	10.841	43	144412	56.851	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	100800	50.741	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	80618m	49.940	ug/l		
77) Bromobenzene	11.195	156	64324	50.360	ug/l		100
78) n-propylbenzene	11.305	91	319235	52.203	ug/l		99
79) 2-Chlorotoluene	11.360	91	192150	49.338	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	225622	51.544	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	23943	50.757	ug/l		99
82) 4-Chlorotoluene	11.451	91	216511	51.009	ug/l		100
83) tert-Butylbenzene	11.713	119	227357	50.552	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	228729	51.932	ug/l		100
85) sec-Butylbenzene	11.890	105	283931	52.703	ug/l		100
86) p-Isopropyltoluene	12.006	119	229894	52.803	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	114778	50.372	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115486	50.097	ug/l		99
89) n-Butylbenzene	12.329	91	204972	54.662	ug/l		99
90) Hexachloroethane	12.536	117	40844	51.866	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	116343	50.899	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20589	53.199	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	71368	54.834	ug/l		98
94) Hexachlorobutadiene	13.725	225	26697	50.032	ug/l		99
95) Naphthalene	13.774	128	275844	55.163	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	74211	54.049	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

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

ICAL Form

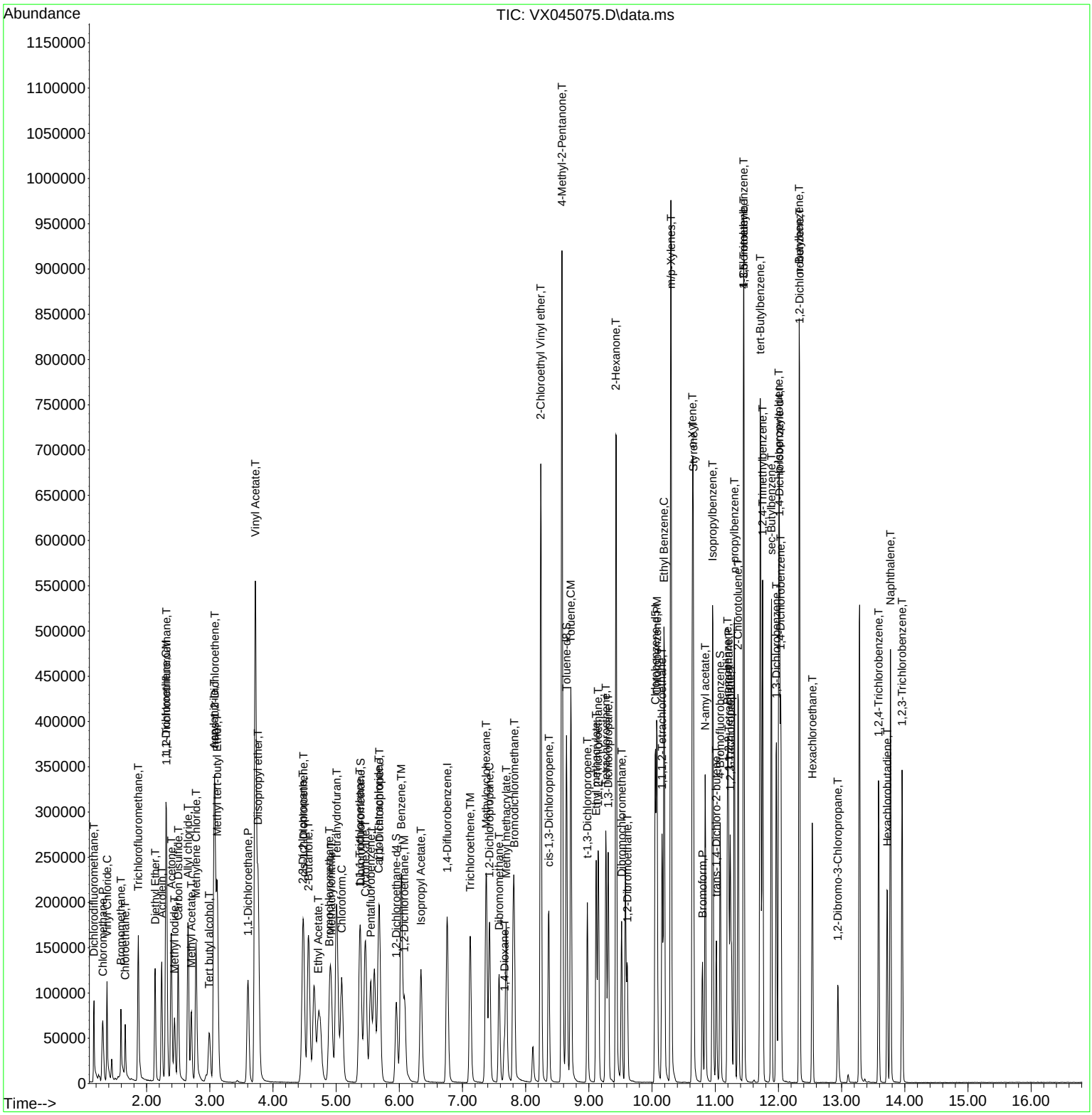
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

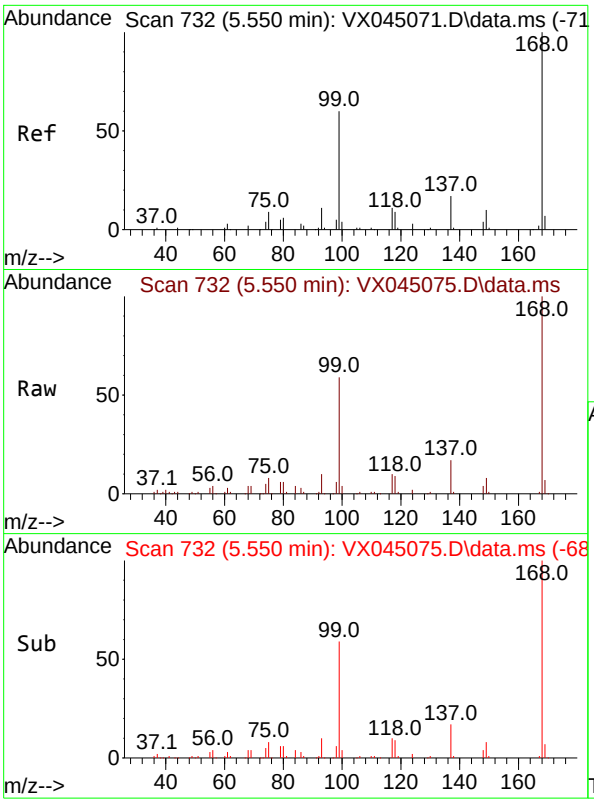
Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

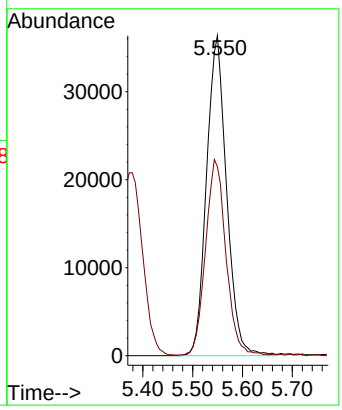




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:168 Resp: 10160

Ion	Ratio	Lower	Upper
168	100		
99	58.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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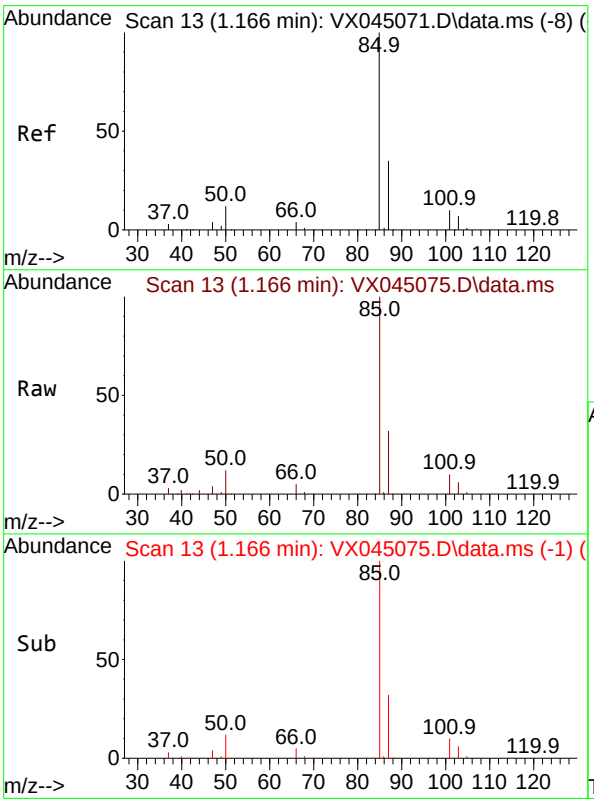
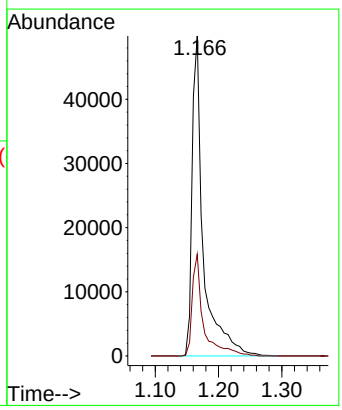
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

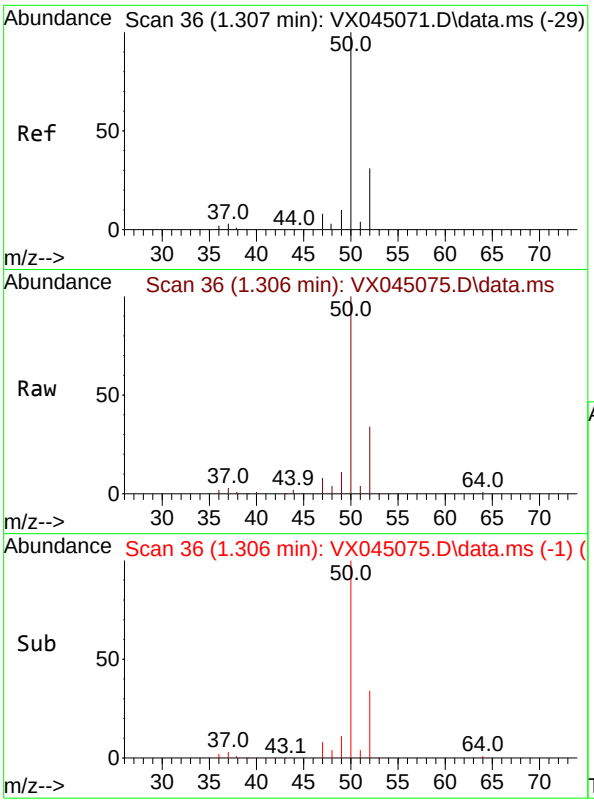


#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 85 Resp: 61303

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3





#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 3(
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 50 Resp: 7621(

Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
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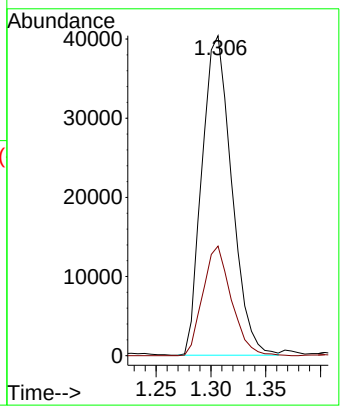
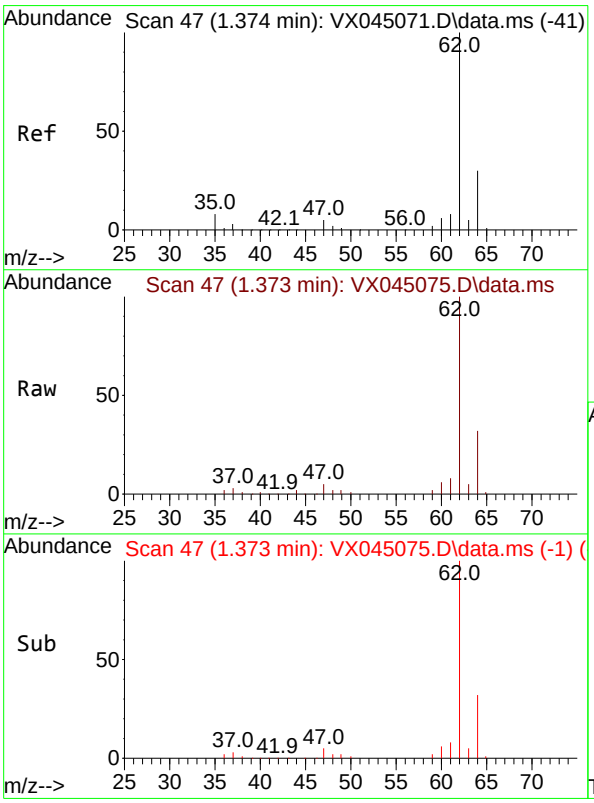
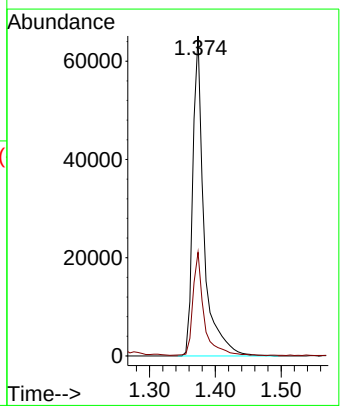


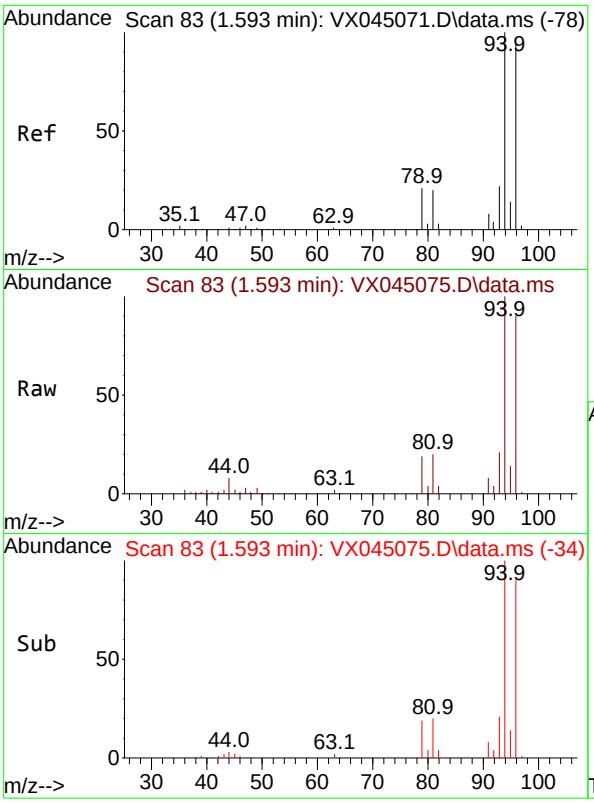


#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 76901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5

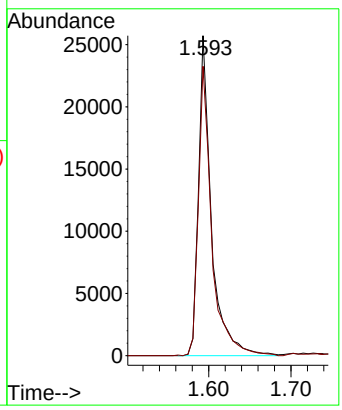




#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 94 Resp: 2819

Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.0	112.4



Instrument :
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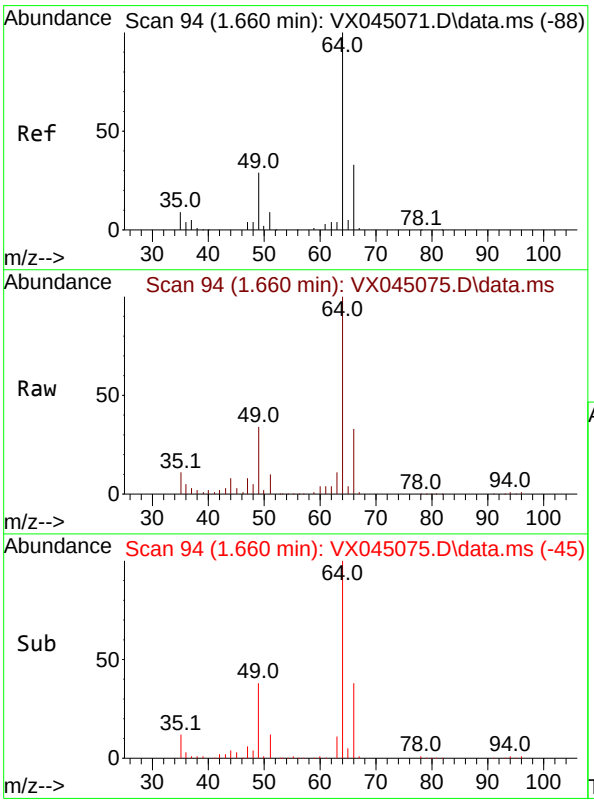
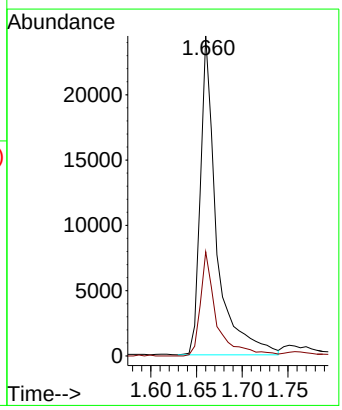
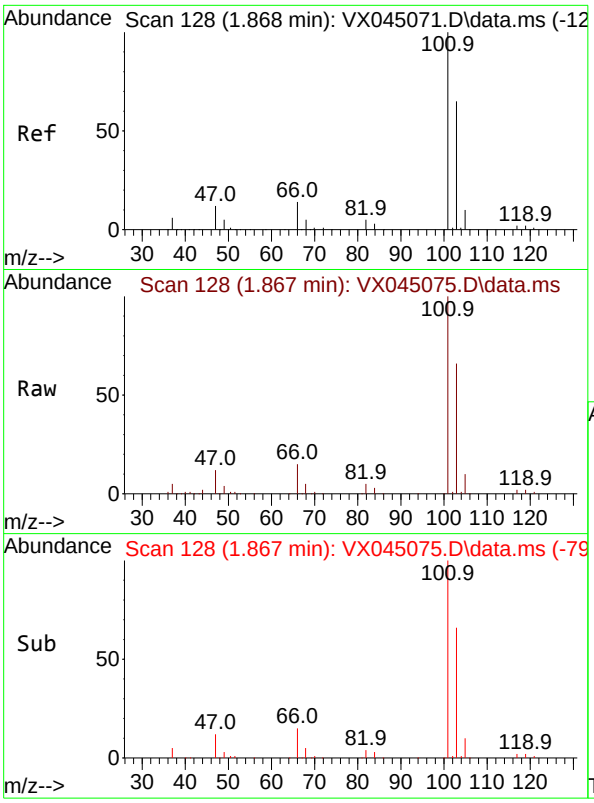


#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 64 Resp: 30042

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1

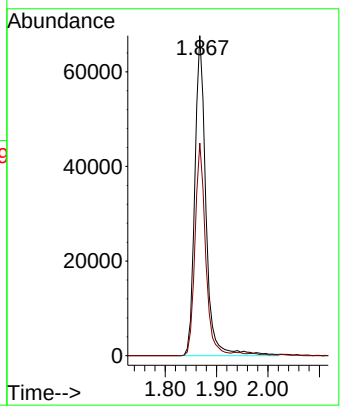




#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:101 Resp: 10188

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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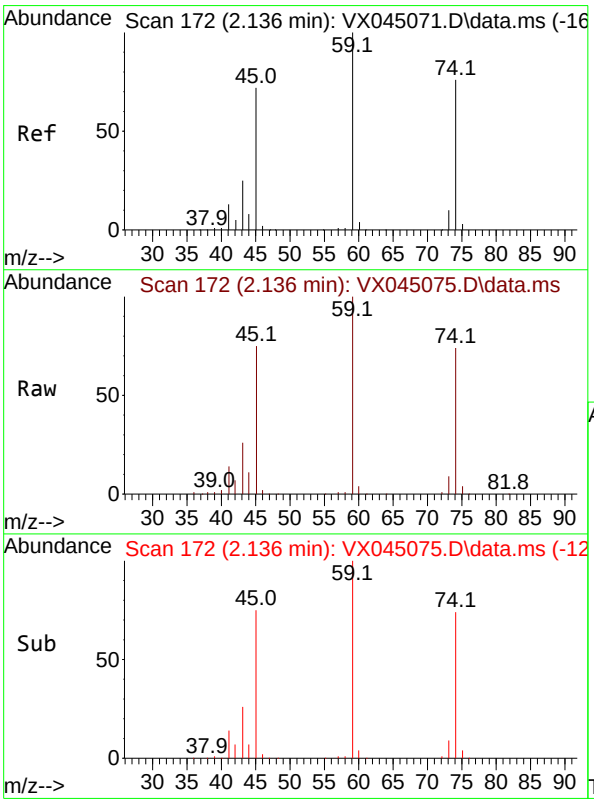
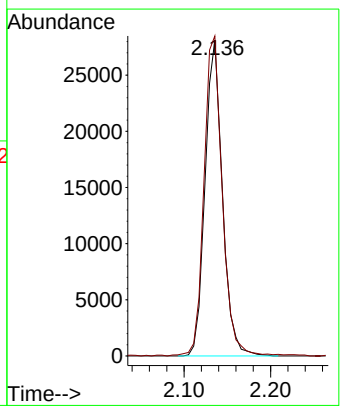
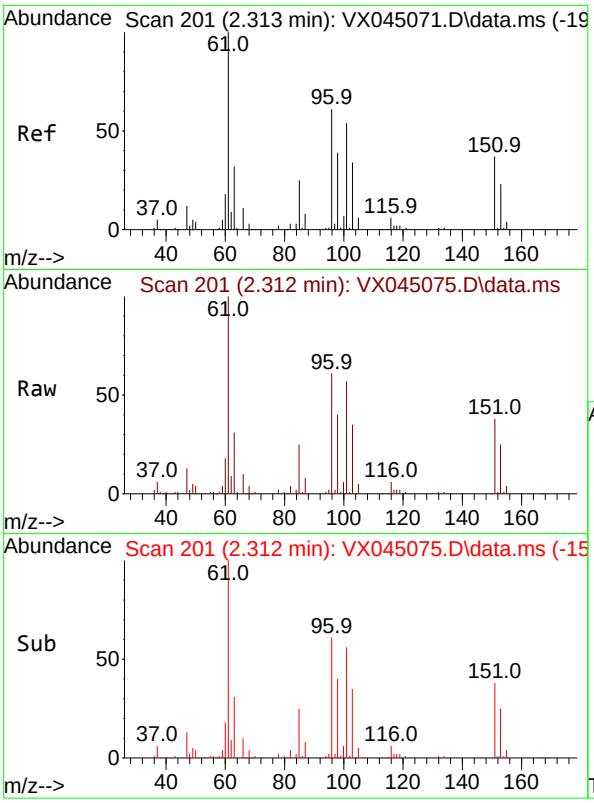


#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 74 Resp: 39113

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.367 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:101 Resp: 5947

Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.2	54.4
151	70.2	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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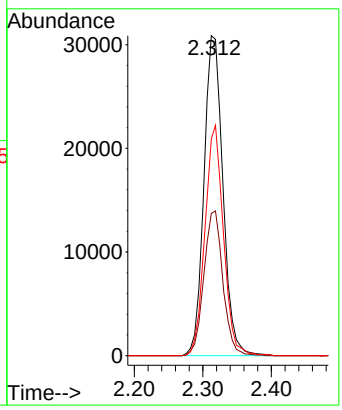
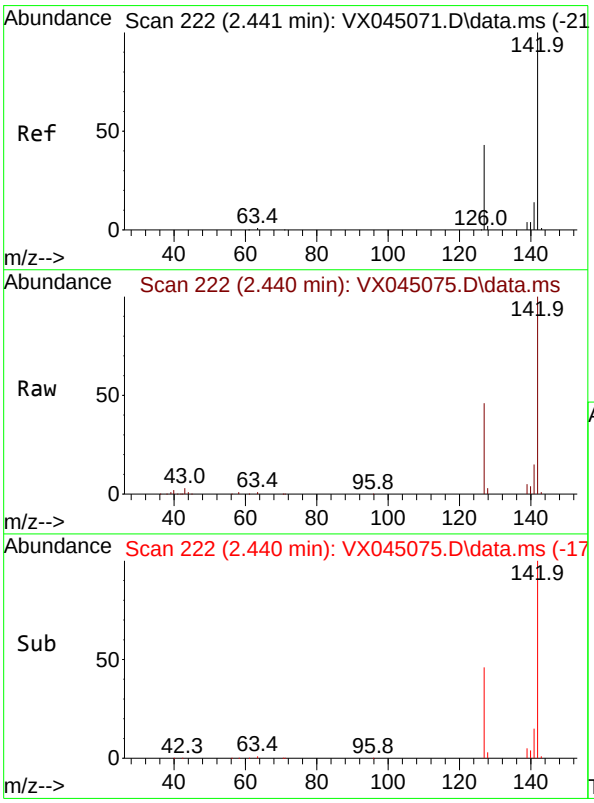
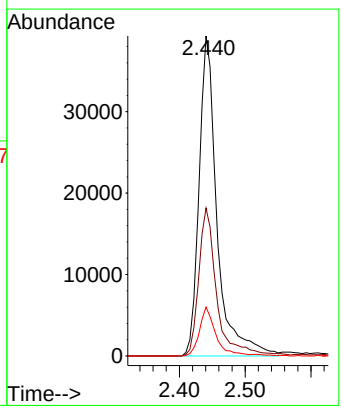


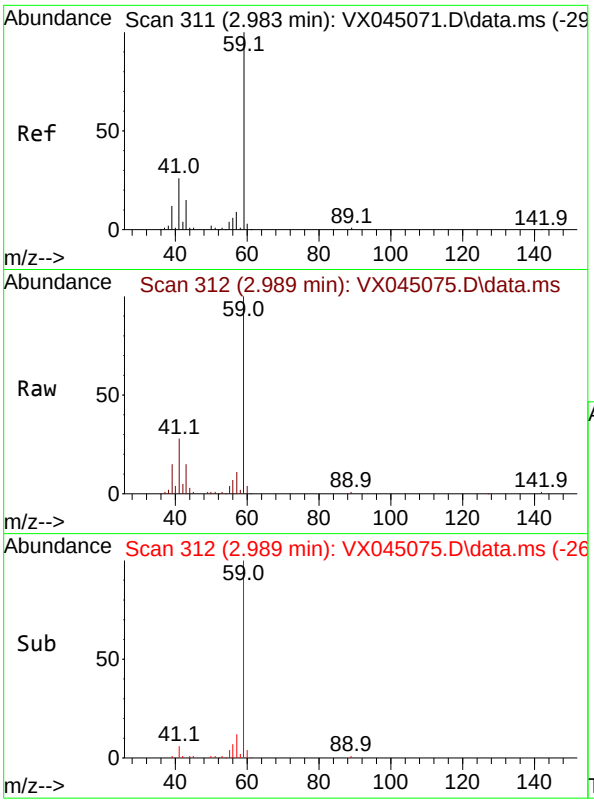


#10
Methyl Iodide
Concen: 50.541 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:142 Resp: 74585

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	14.3	11.6	17.4

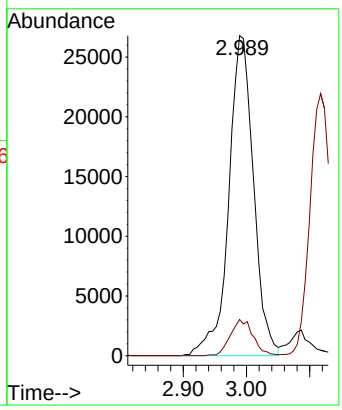




#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 59 Resp: 7303

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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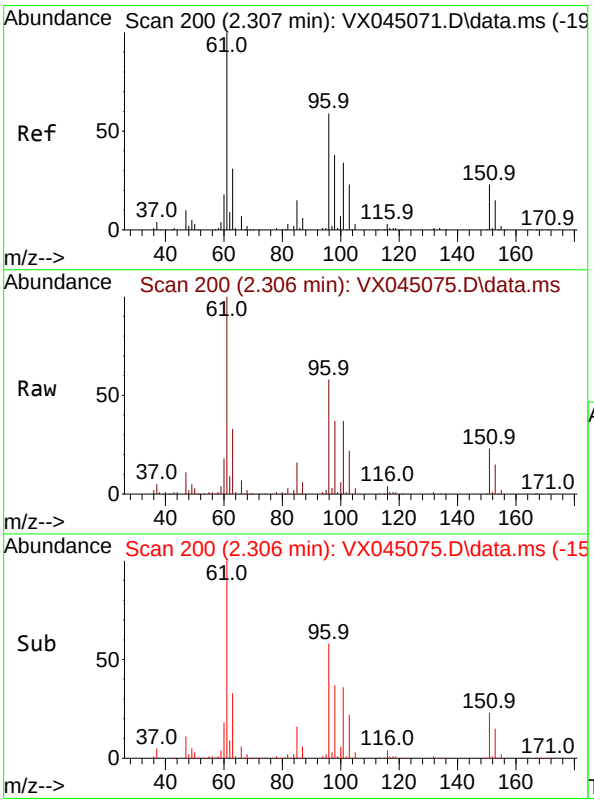
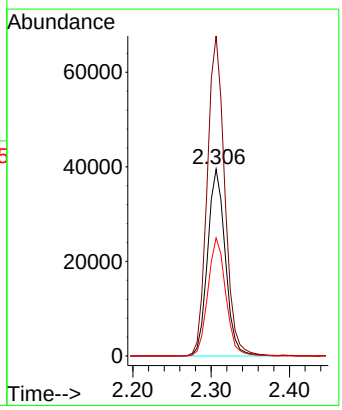
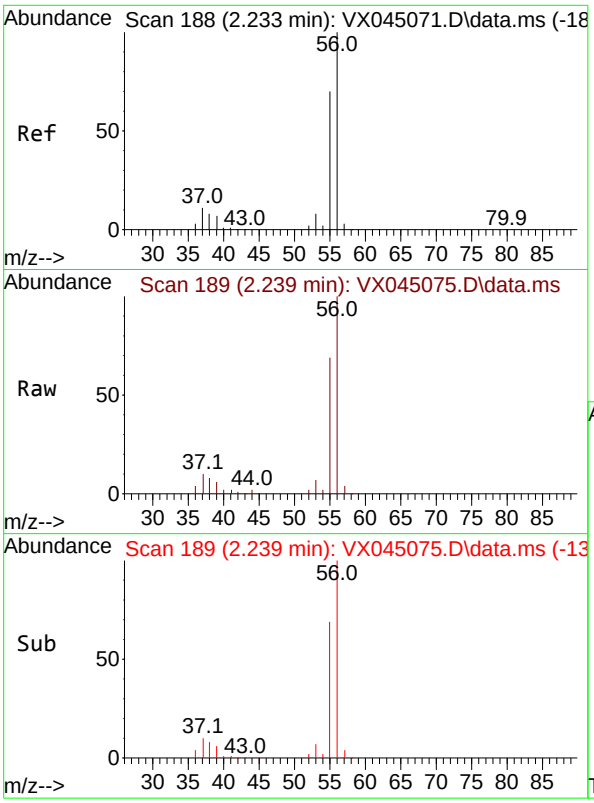


#12
1,1-Dichloroethene
Concen: 49.568 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 61885

Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.6	202.0
98	63.2	51.0	76.6

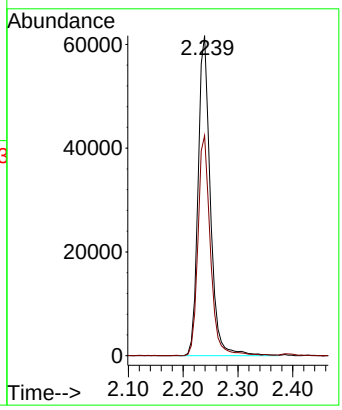




#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 9598

Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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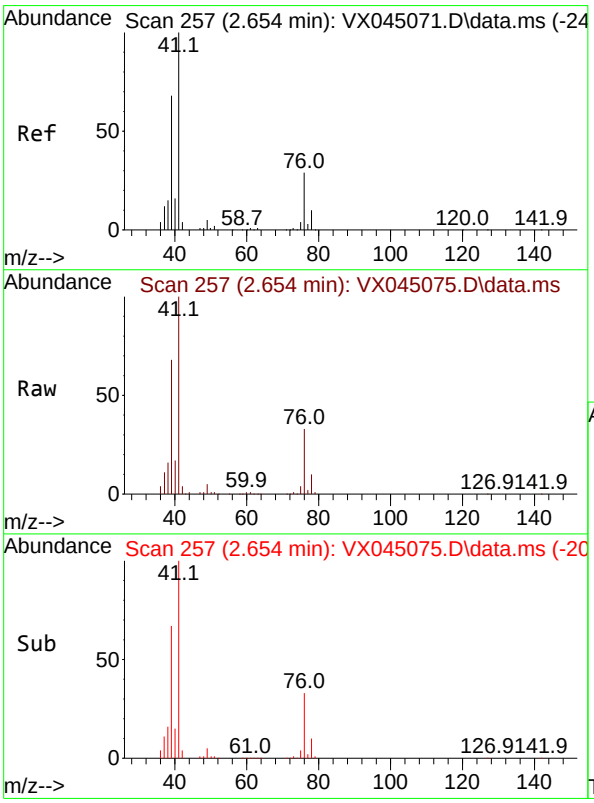
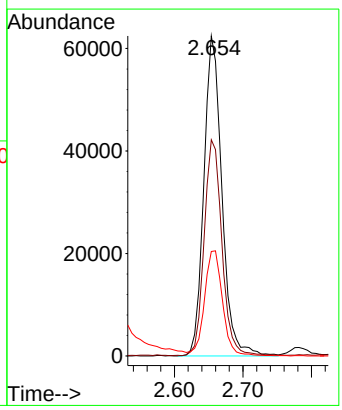
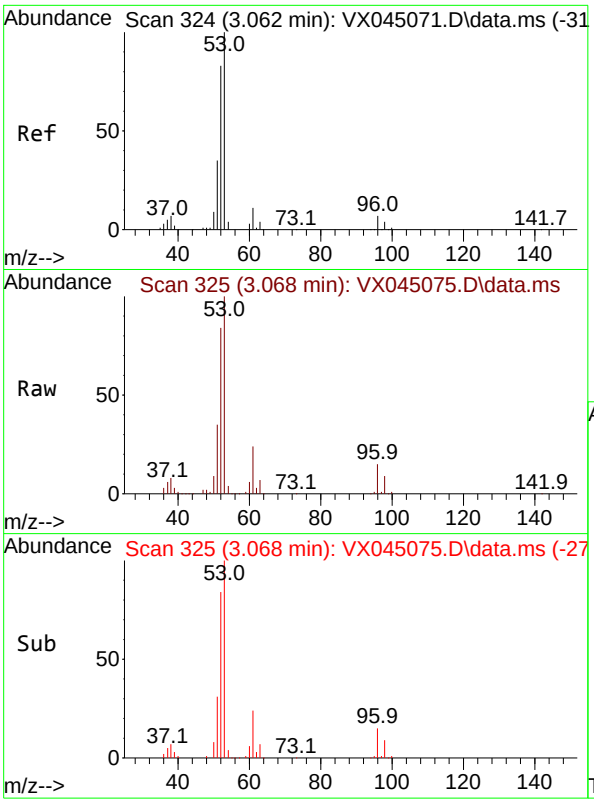


#14
Allyl chloride
Concen: 51.691 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 114875

Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.8	80.8
76	33.0	25.2	37.8

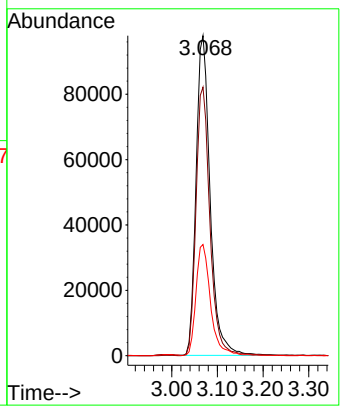




#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 53 Resp: 20960

Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	35.8	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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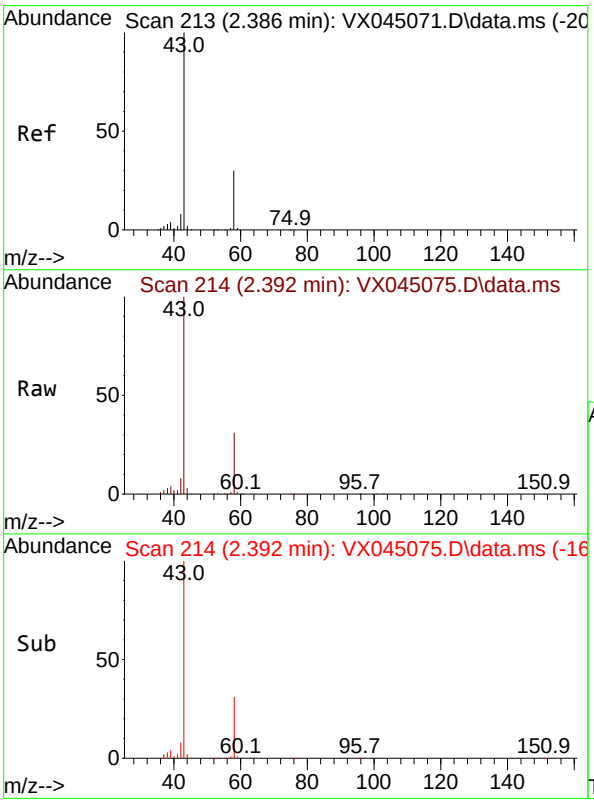
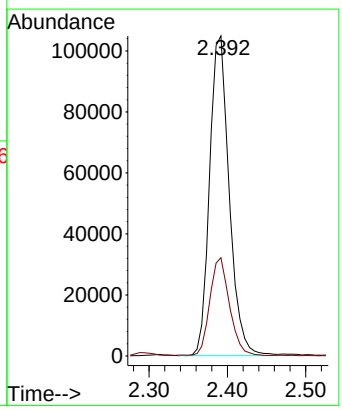
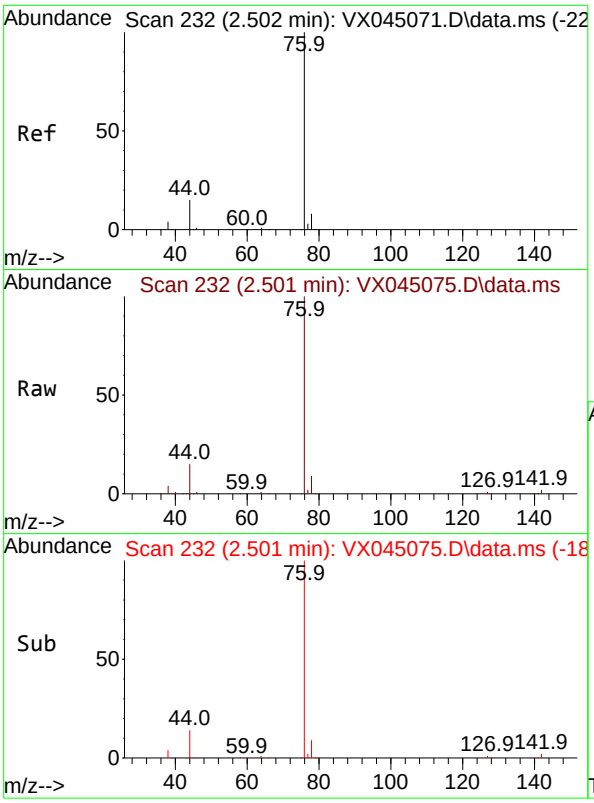


#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 182119

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4





#17
Carbon Disulfide
Concen: 49.952 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 76 Resp: 16610

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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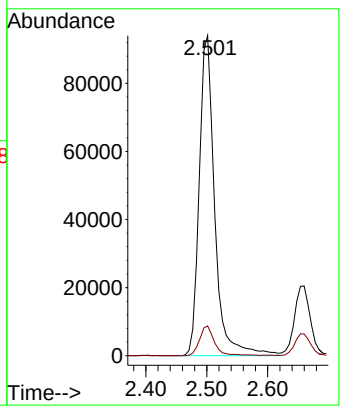
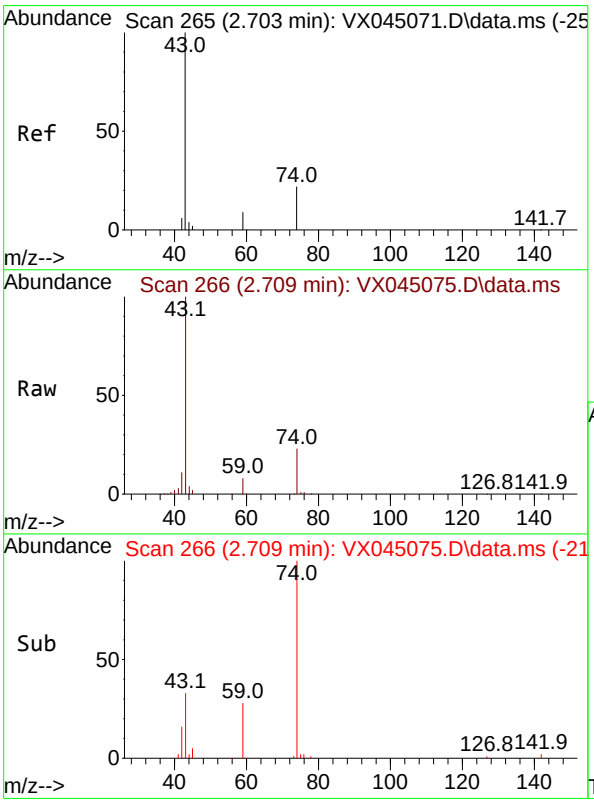
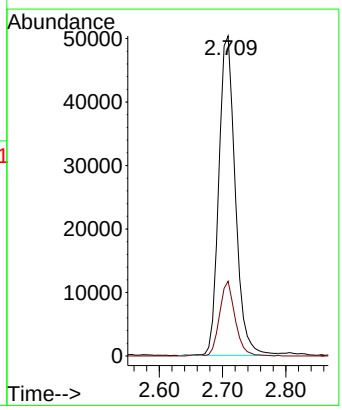


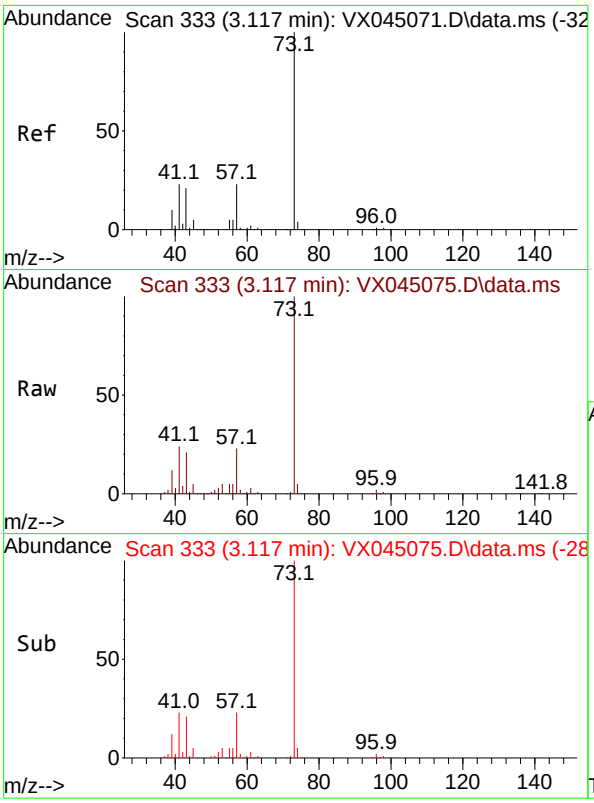


#18
Methyl Acetate
Concen: 50.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2

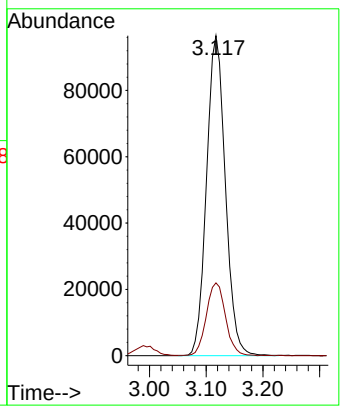




#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 73 Resp: 22247

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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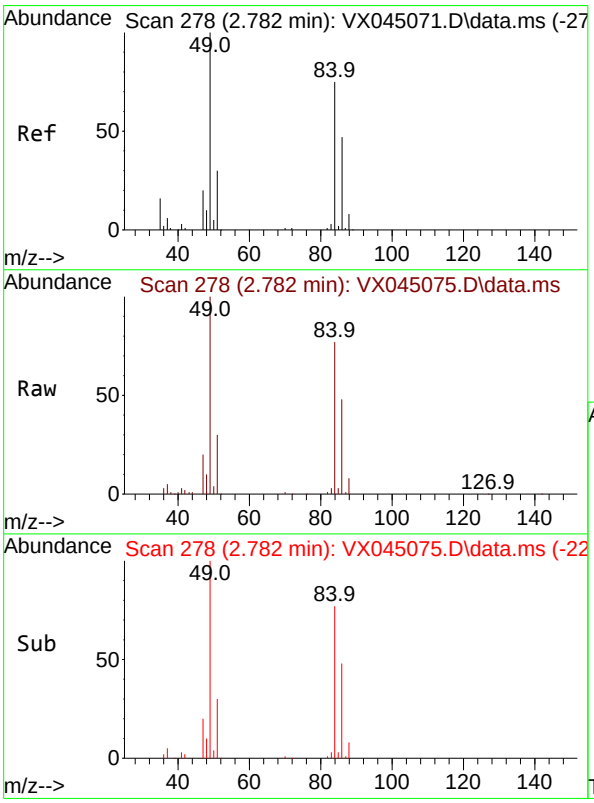
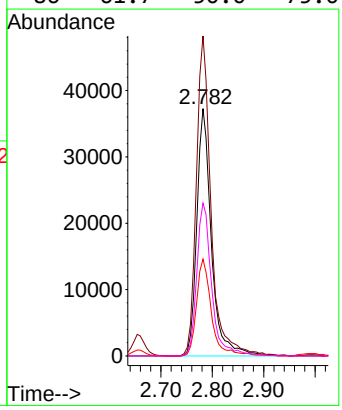
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

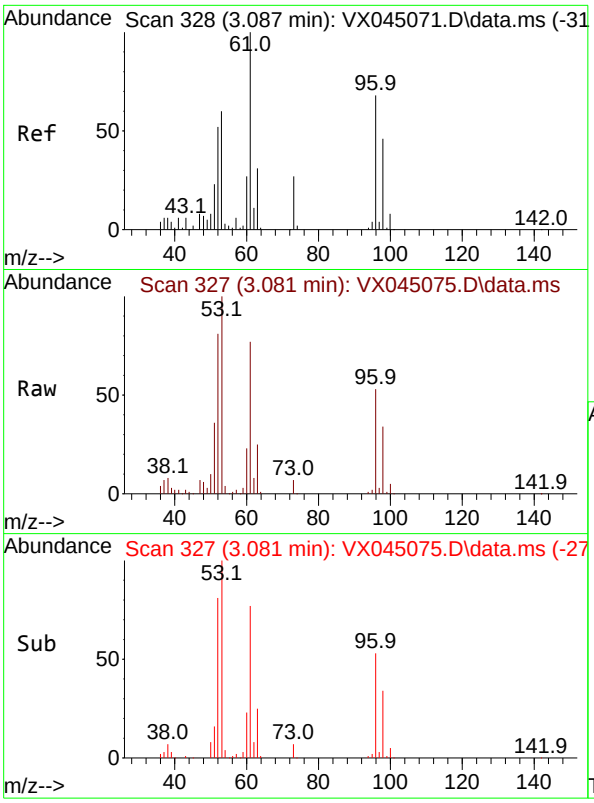


#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 84 Resp: 73731

Ion	Ratio	Lower	Upper
84	100		
49	129.3	106.5	159.7
51	39.1	32.1	48.1
86	61.7	50.0	75.0

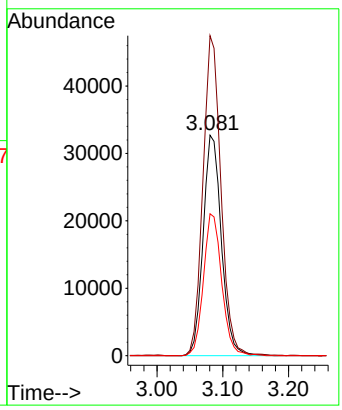




#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 6311

Ion	Ratio	Lower	Upper
96	100		
61	145.2	117.0	175.4
98	64.4	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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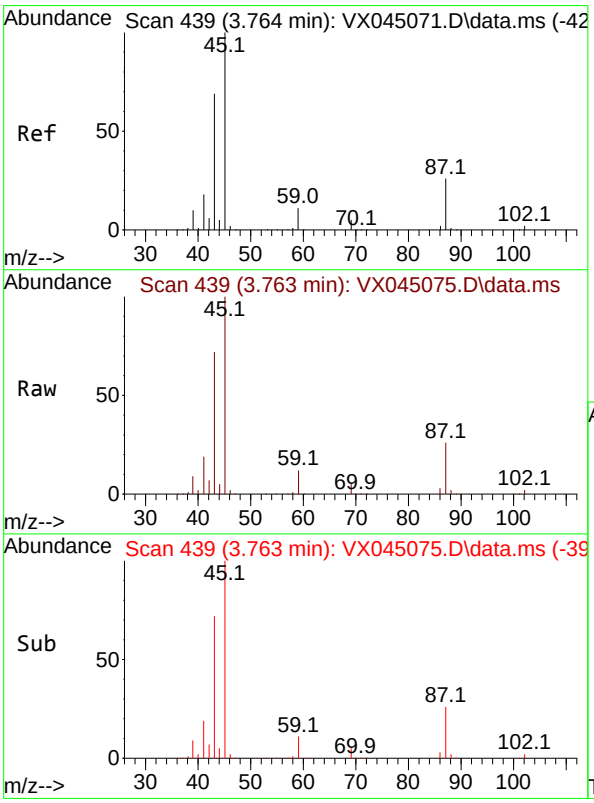
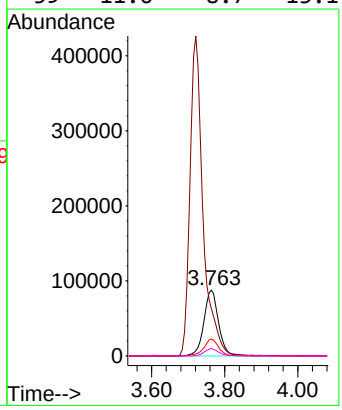
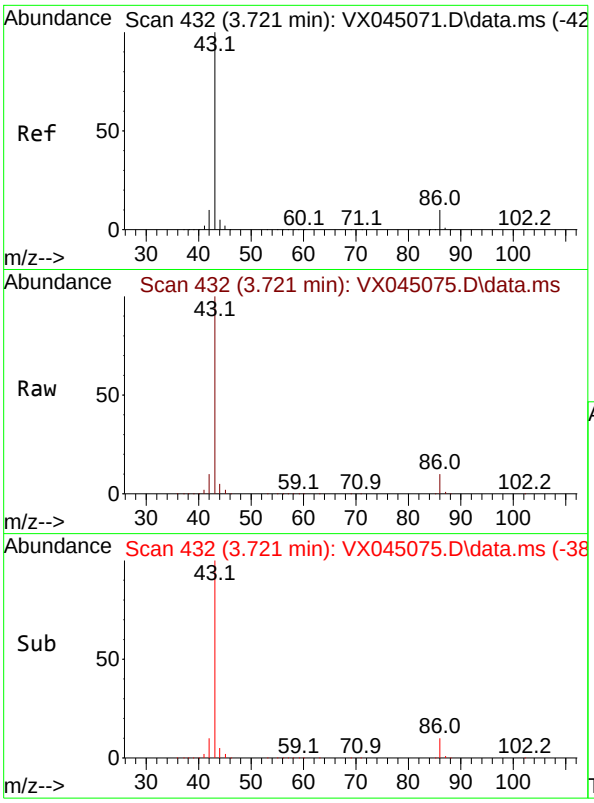


#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 45 Resp: 243860

Ion	Ratio	Lower	Upper
45	100		
43	71.9	54.9	82.3
87	25.8	21.0	31.4
59	11.6	8.7	13.1





#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 106481

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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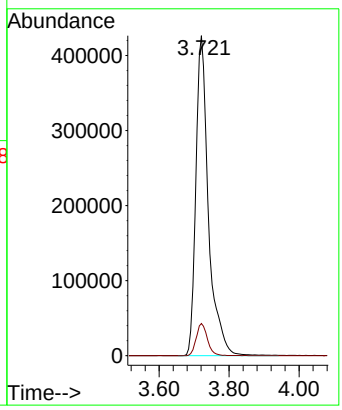
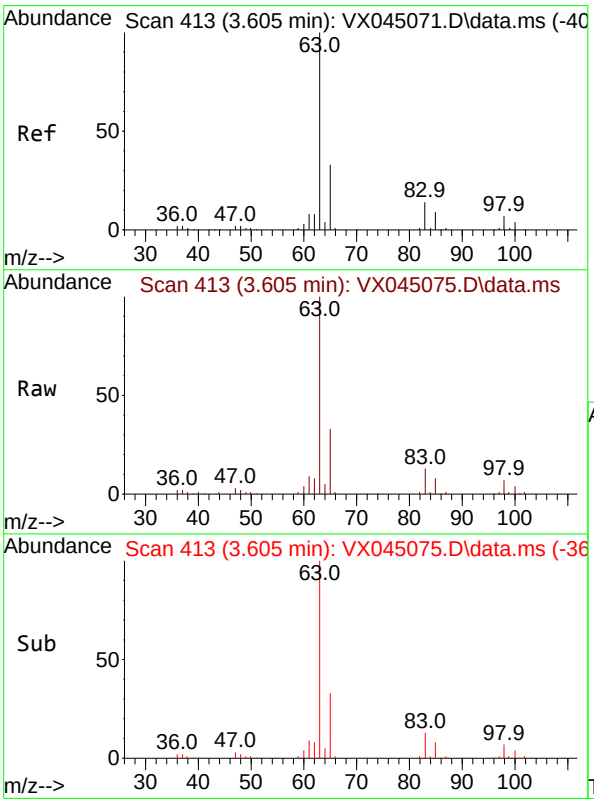
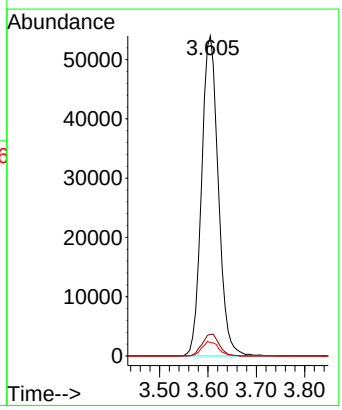


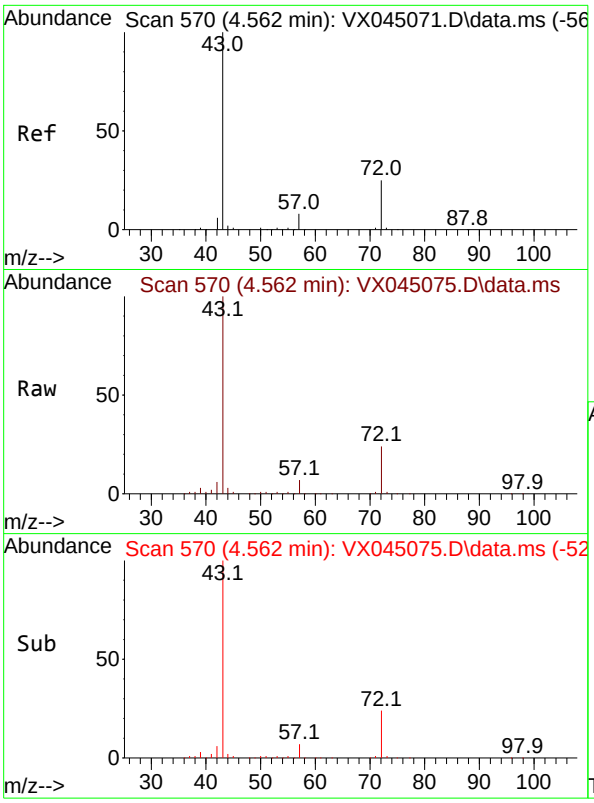


#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 129666

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.1	2.1	6.5

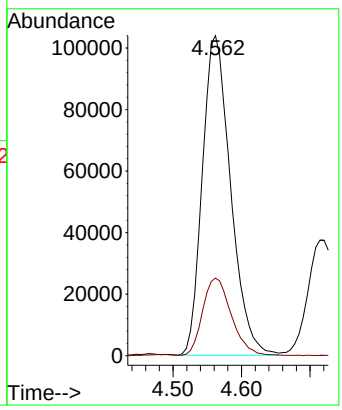




#25
2-Butanone
Concen: 264.040 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 29802

Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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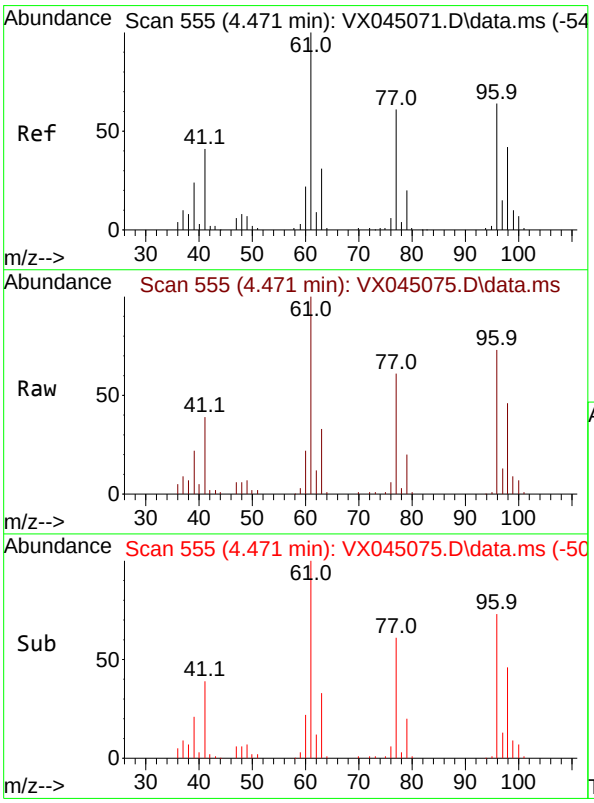
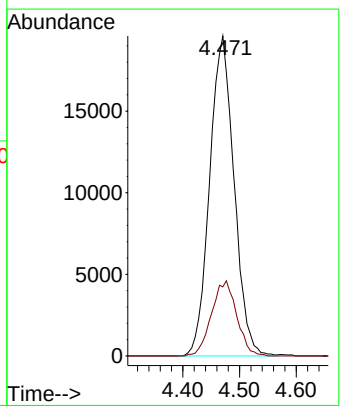
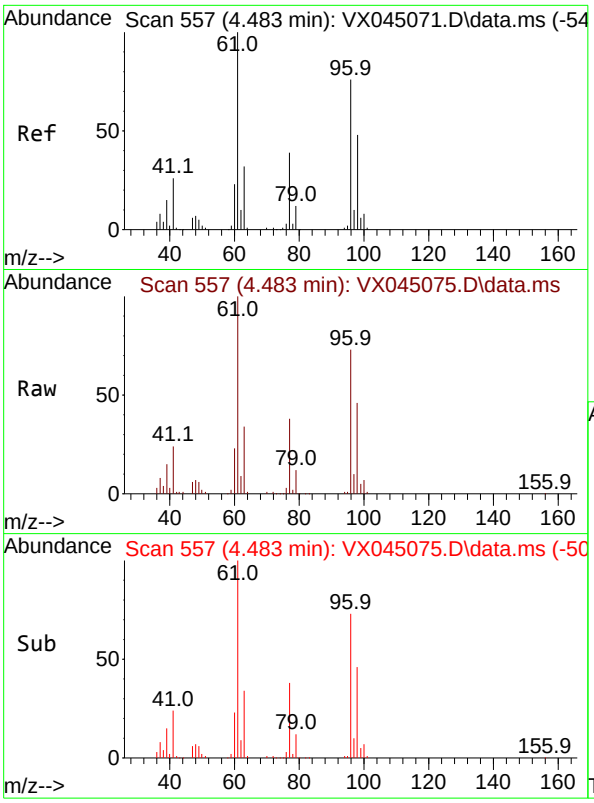


#26
2,2-Dichloropropane
Concen: 49.401 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 77 Resp: 58694

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0

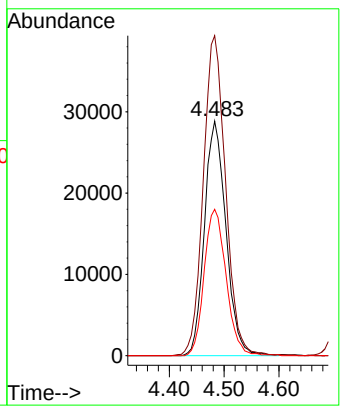




#27
cis-1,2-Dichloroethene
Concen: 51.606 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 7857

Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.2
98	63.8	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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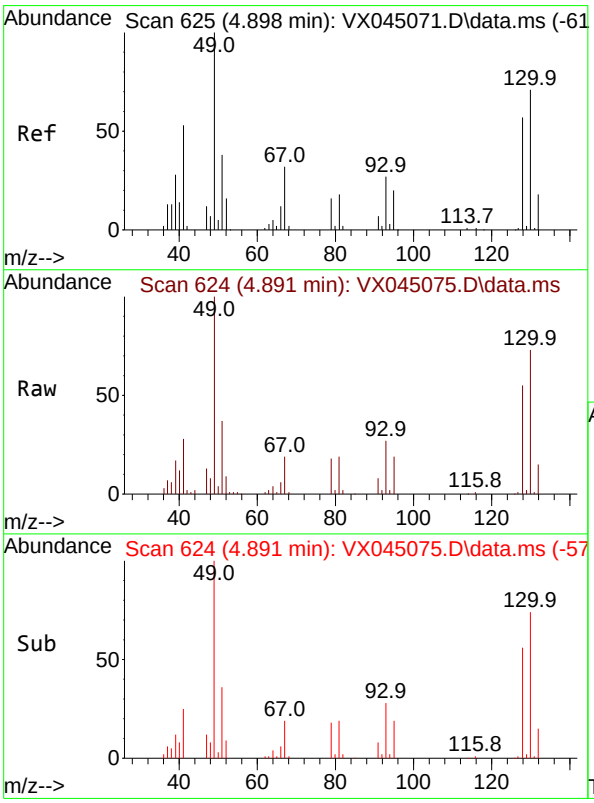
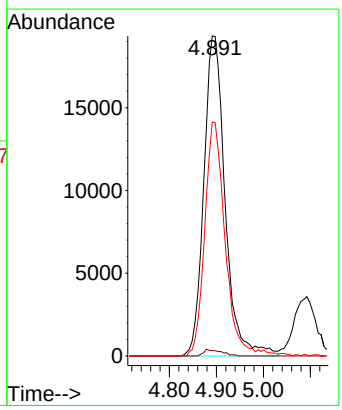
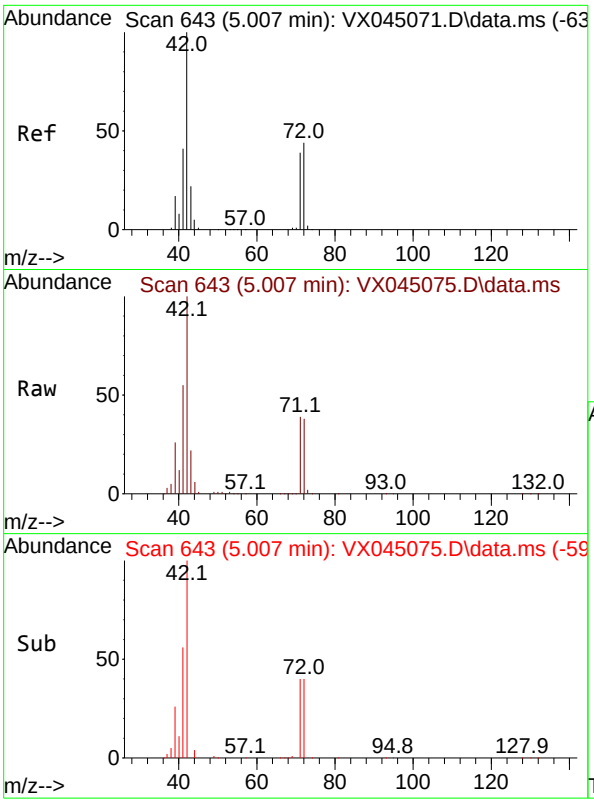


#28
Bromochloromethane
Concen: 50.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 49 Resp: 60849

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.0	56.1	84.1





#29
Tetrahydrofuran
Concen: 258.277 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 42 Resp: 19576

Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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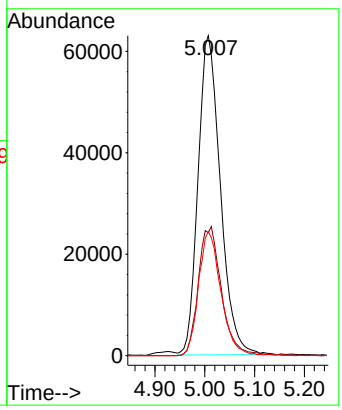
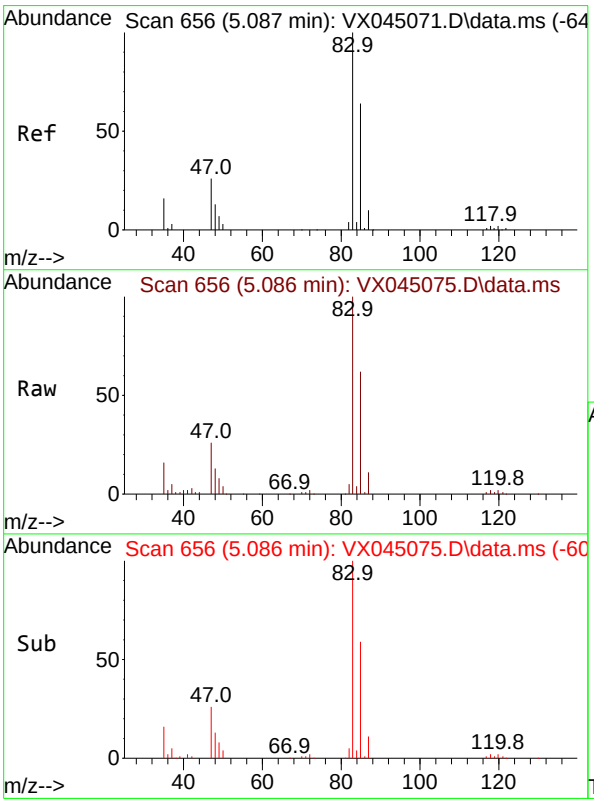
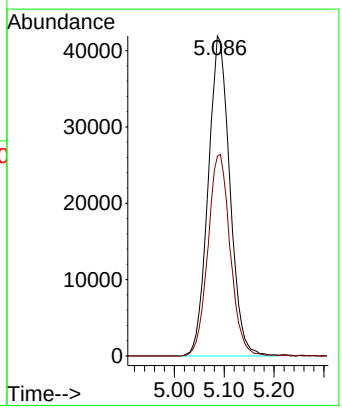


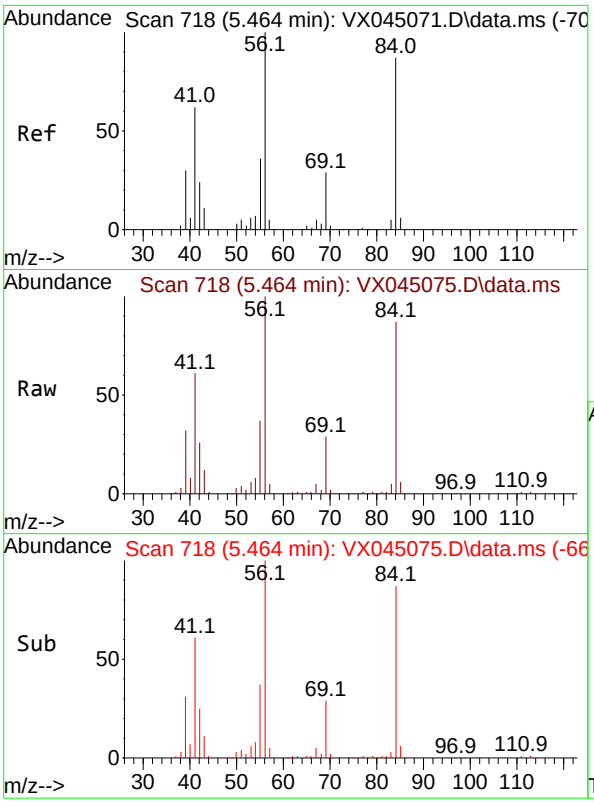


#30
Chloroform
Concen: 50.236 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 126437

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2

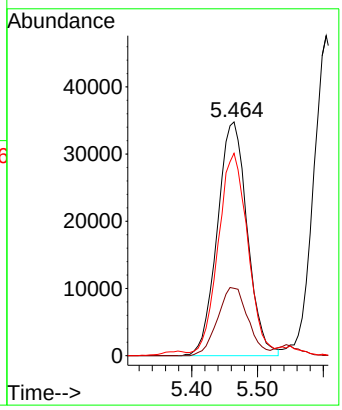




#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 11028

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	84.6	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
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Manual Integrations
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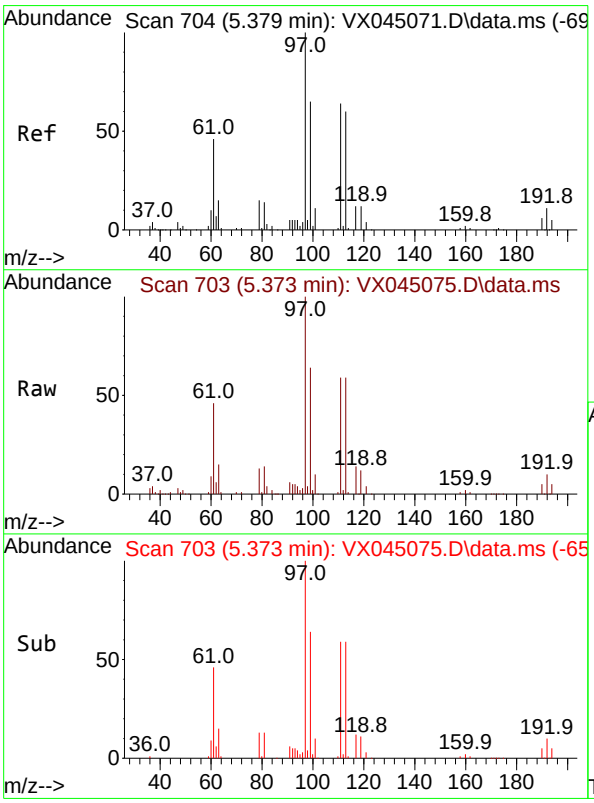
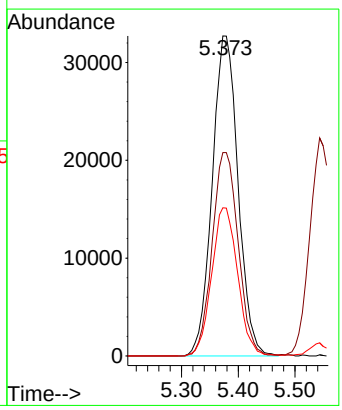
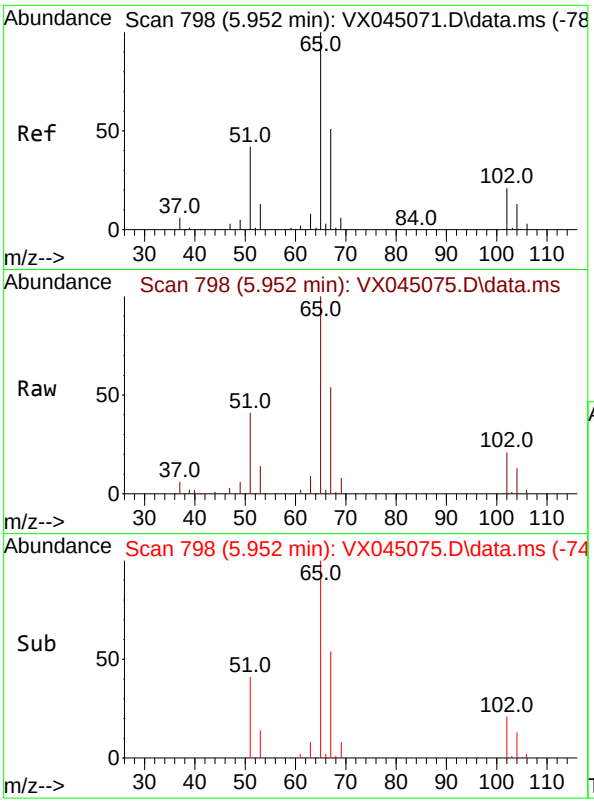


#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 103546

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.7	38.4	57.6

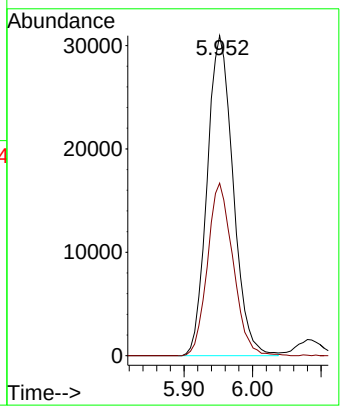




#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 65 Resp: 8128

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
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ClientSampleId :
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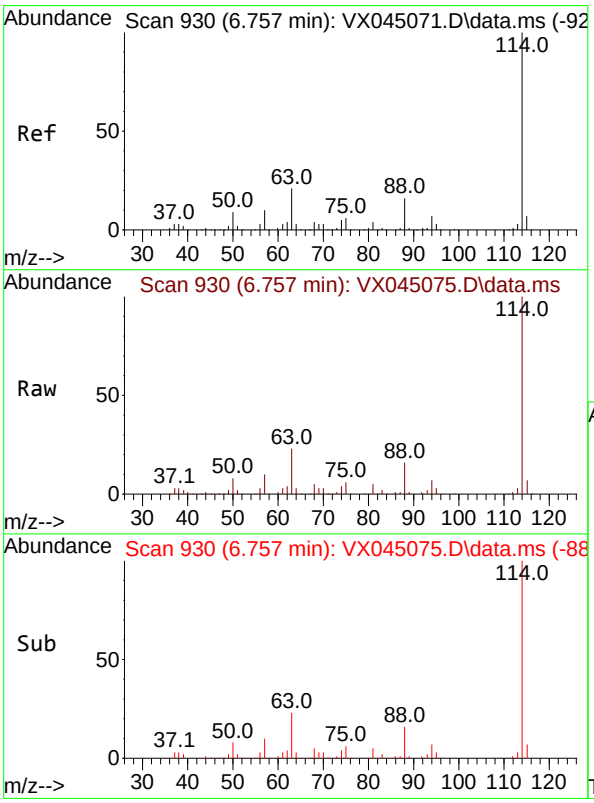
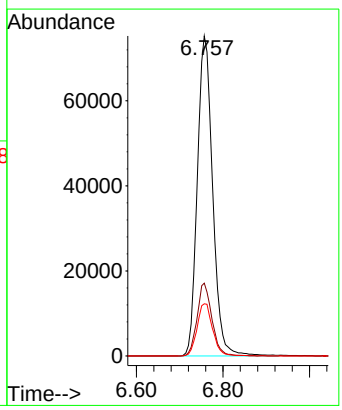
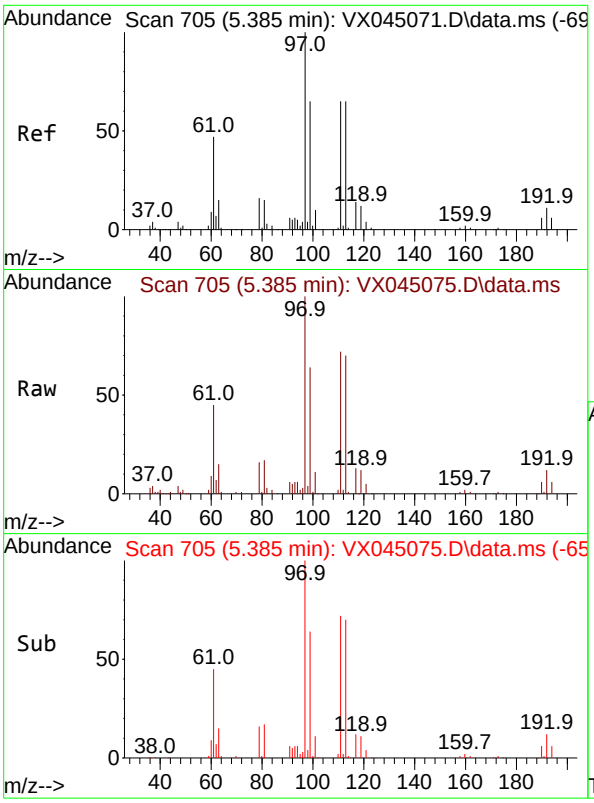


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:114 Resp: 184964

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	16.3	0.0	32.8

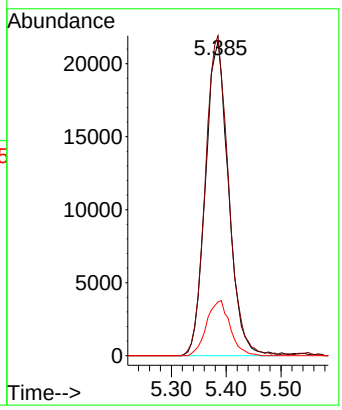




#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:113 Resp: 6288

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
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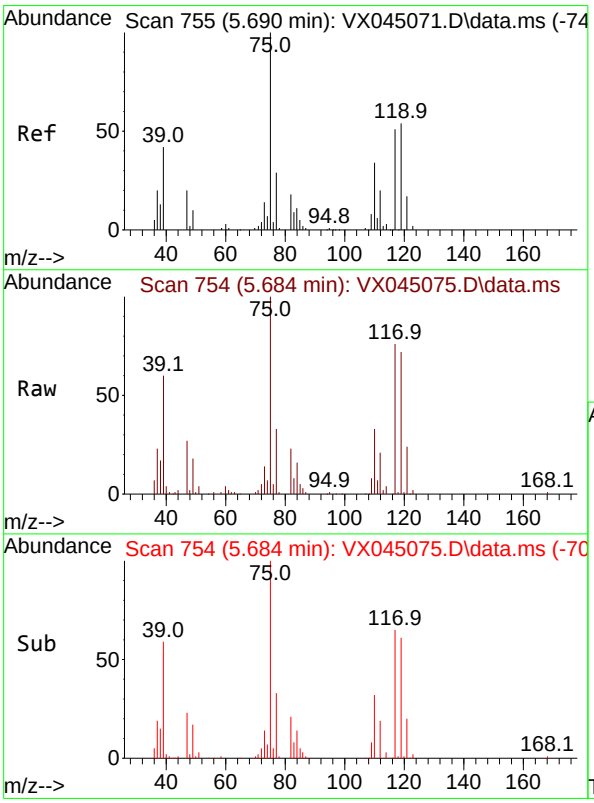
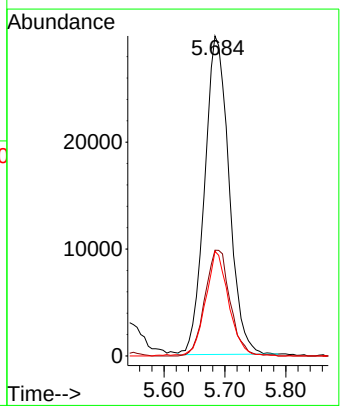
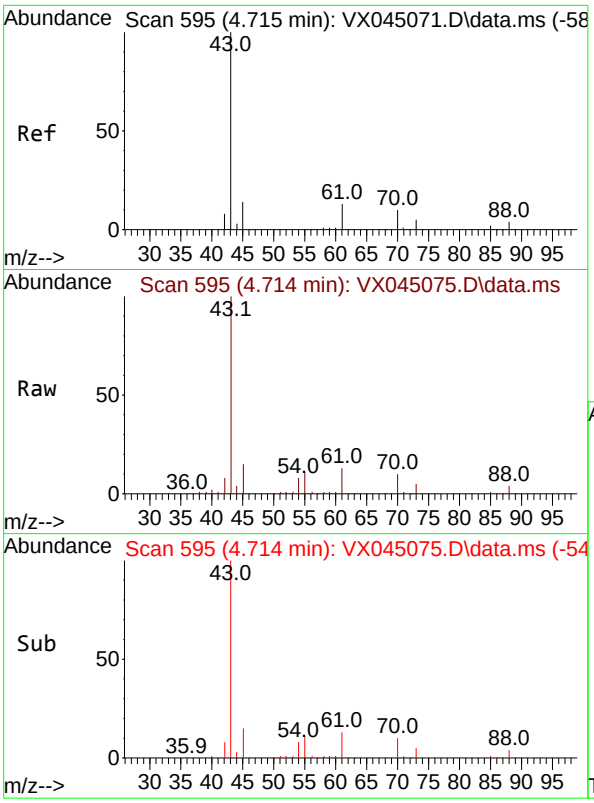


#36
1,1-Dichloropropene
Concen: 48.770 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 82722

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	31.2	24.5	36.7

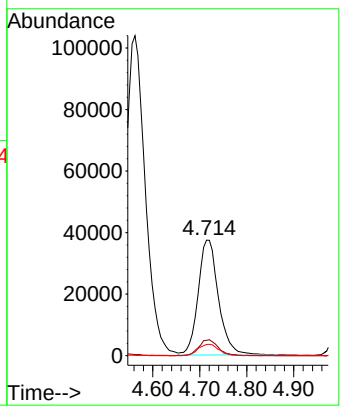




#37
Ethyl Acetate
Concen: 51.596 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 11276

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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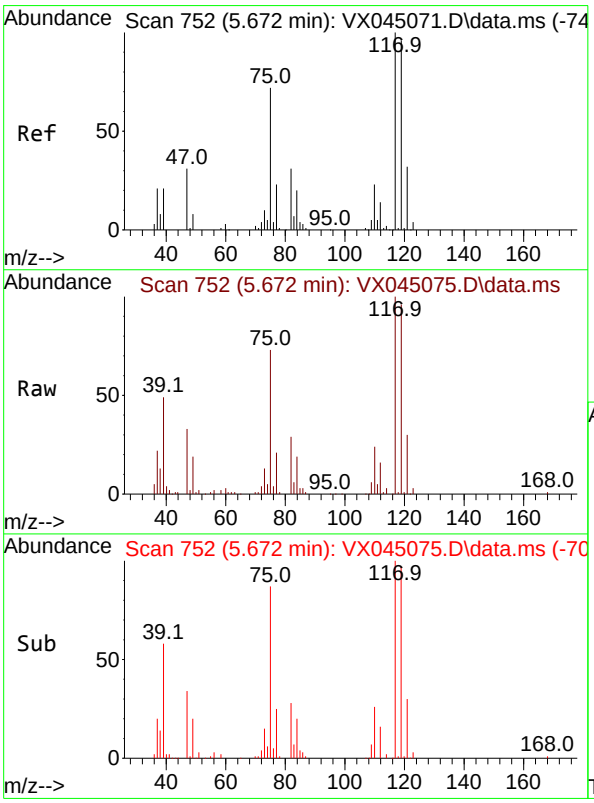
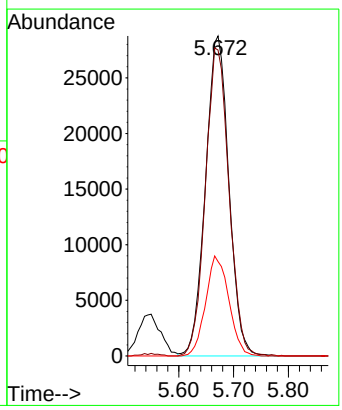
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

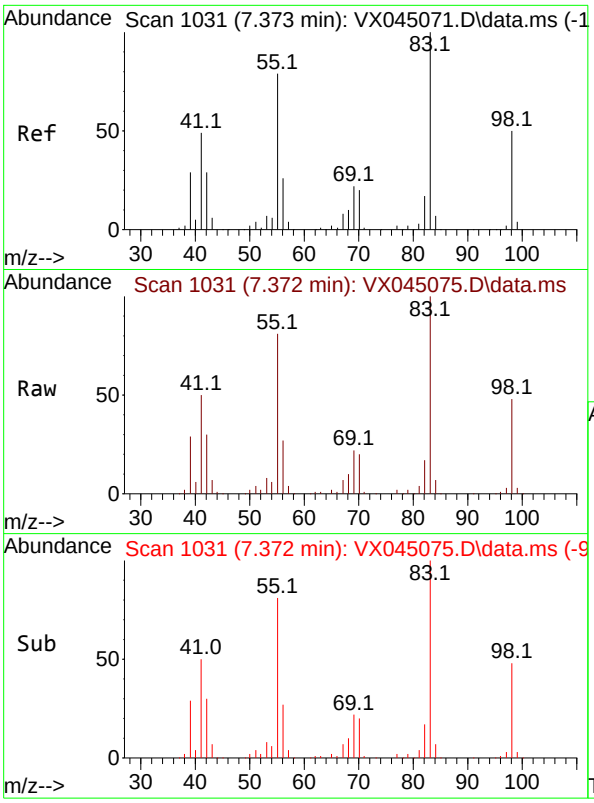


#38
Carbon Tetrachloride
Concen: 49.425 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 85110

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
121	29.5	25.5	38.3

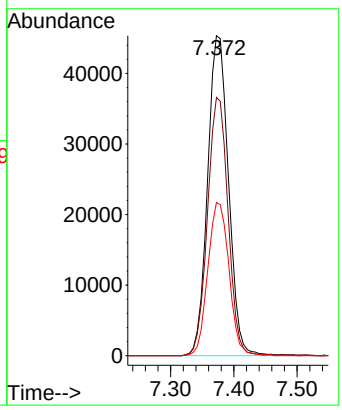




#39
Methylcyclohexane
Concen: 51.169 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10399

Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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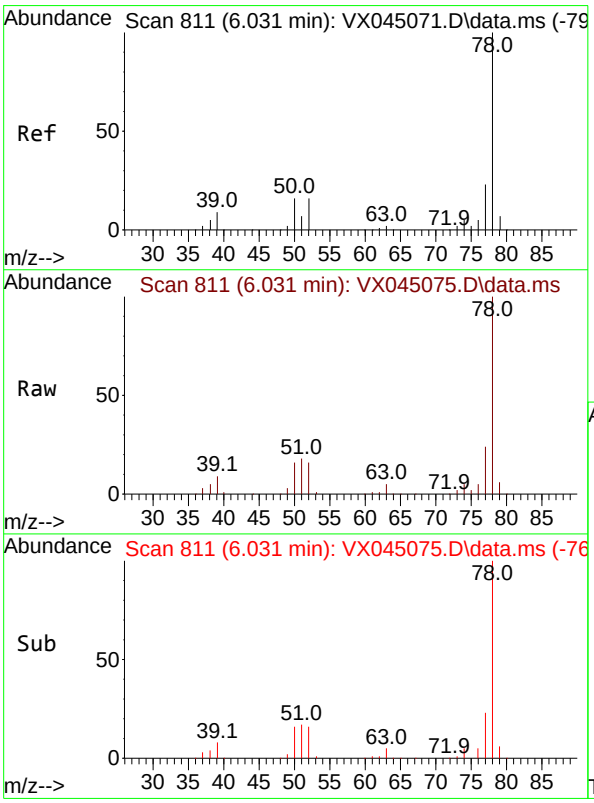
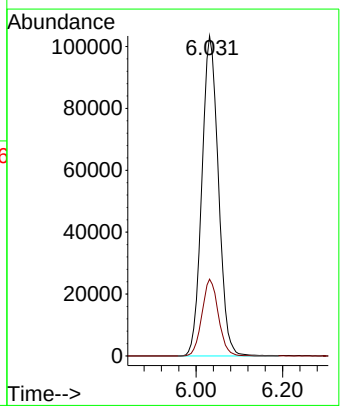
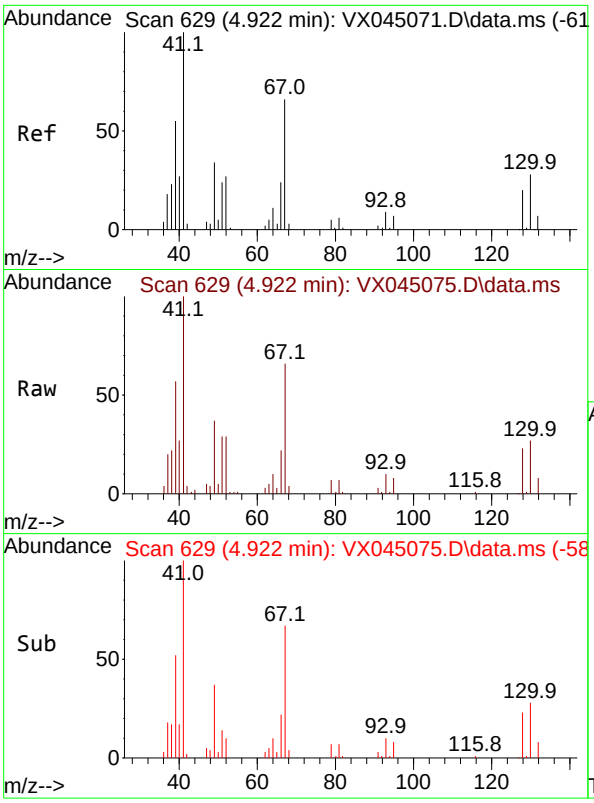


#40
Benzene
Concen: 51.195 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 78 Resp: 274206

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

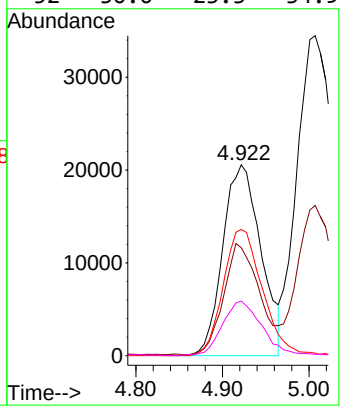




#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 6305

Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.6	67.0
67	68.1	53.9	80.9
52	30.0	23.3	34.9



Instrument :
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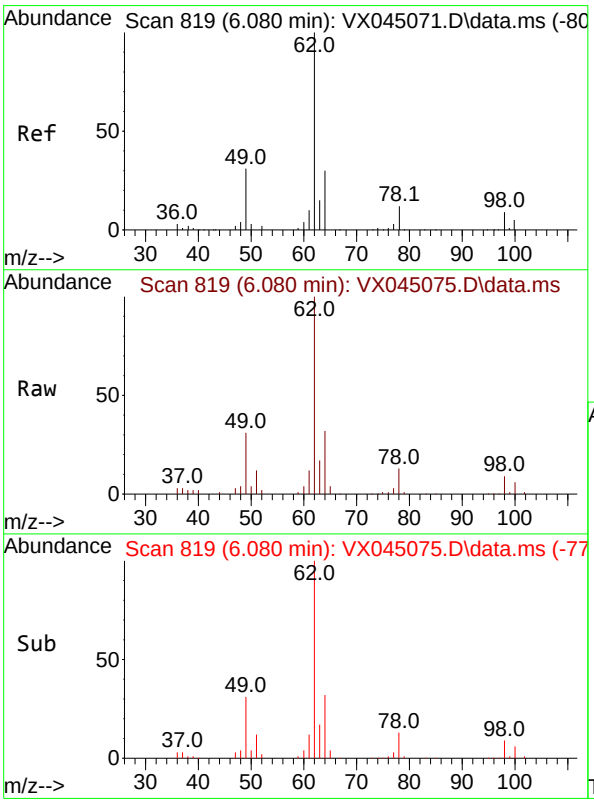
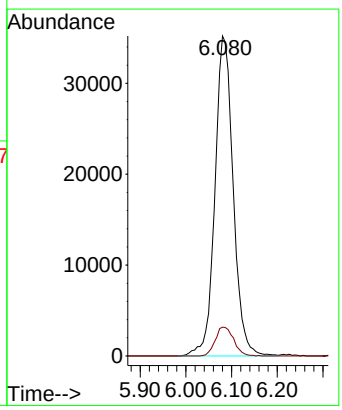
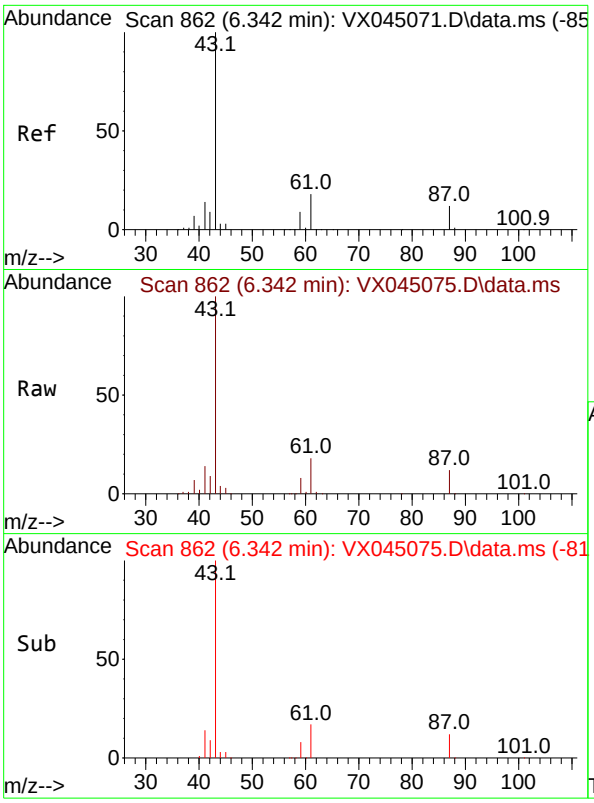


#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 97821

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43
Isopropyl Acetate
Concen: 54.452 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 17598

Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.8	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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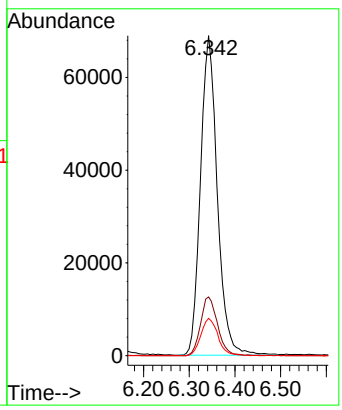
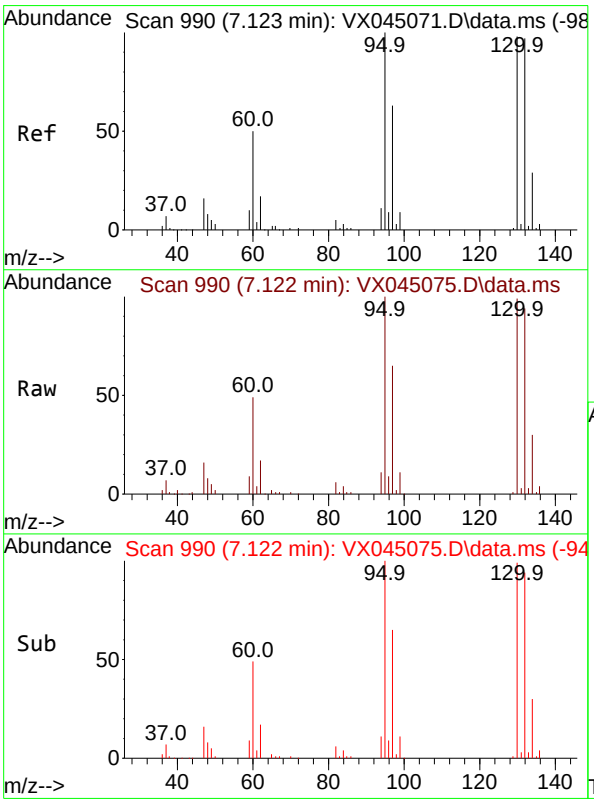
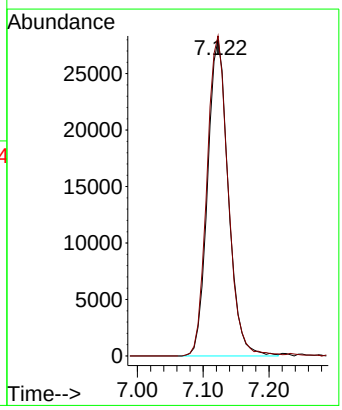


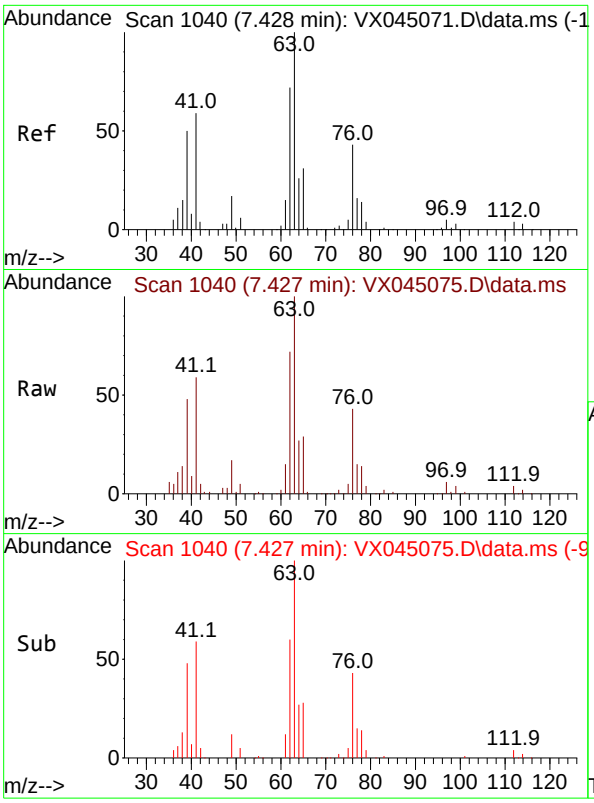


#44
Trichloroethene
Concen: 48.924 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:130 Resp: 61530

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0





#45
1,2-Dichloropropane
Concen: 51.086 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 7035

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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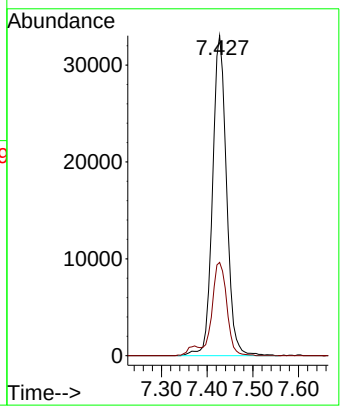
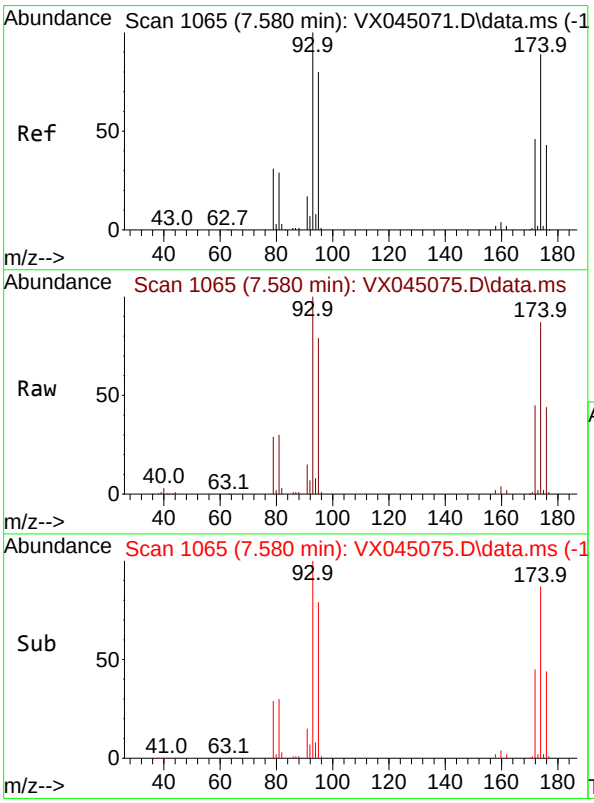
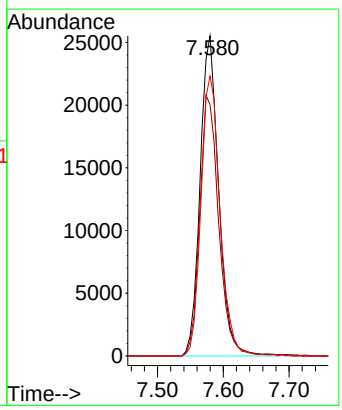


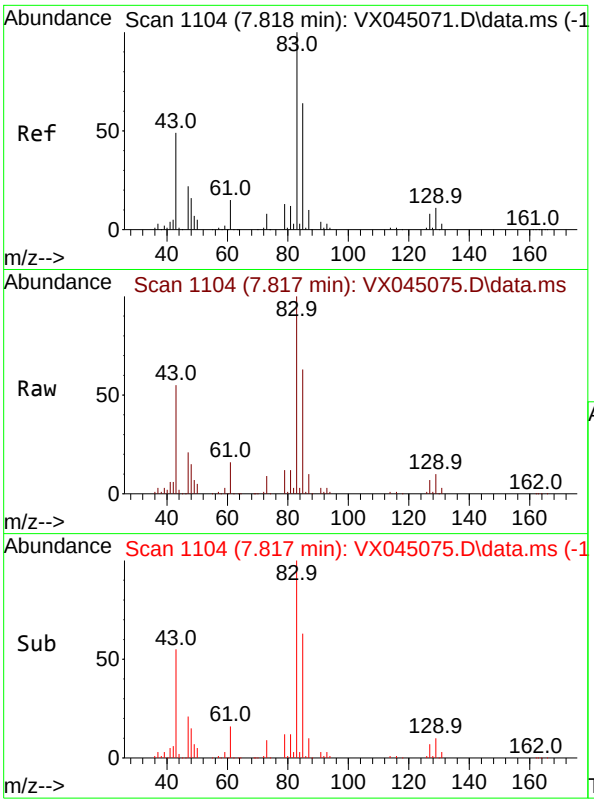


#46
Dibromomethane
Concen: 51.661 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 93 Resp: 50284

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.8	98.8
174	89.4	72.2	108.2

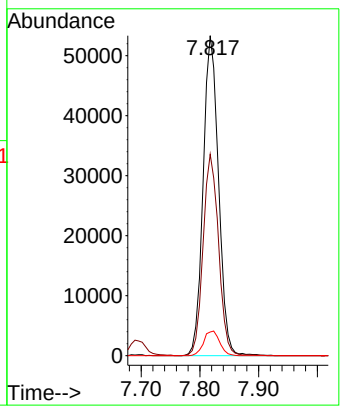




#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 9723

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.4	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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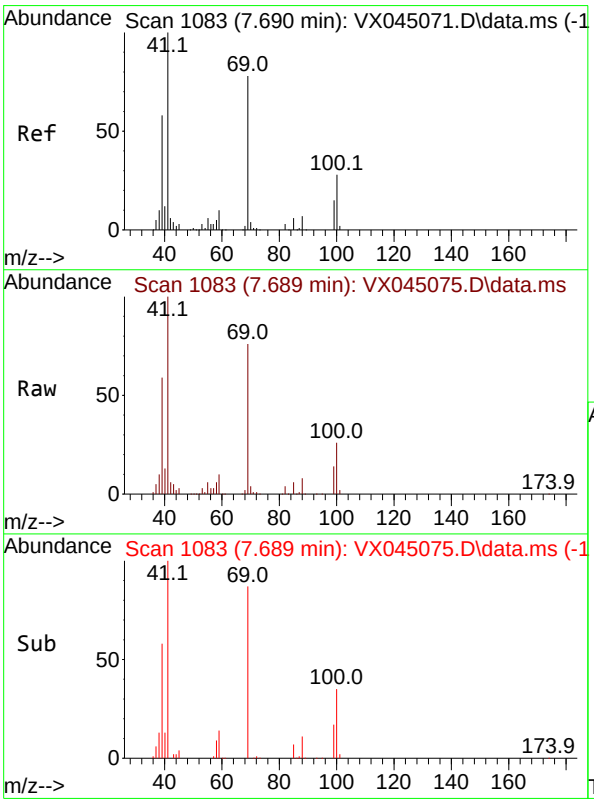
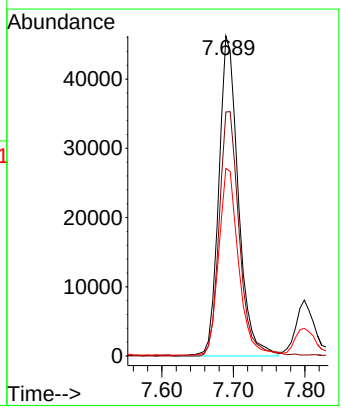
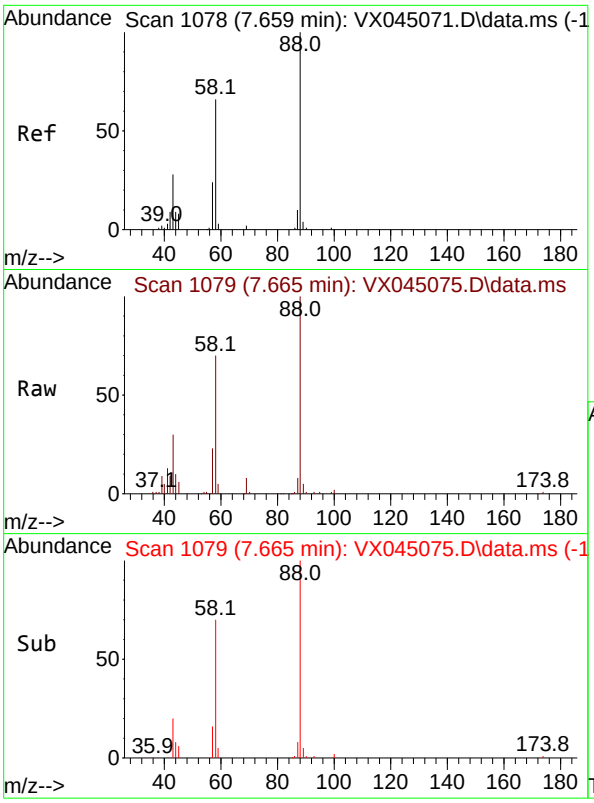


#48
Methyl methacrylate
Concen: 54.016 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 87582

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	59.4	47.5	71.3





#49
1,4-Dioxane
Concen: 1049.007 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 88 Resp: 3587

Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.7	43.1
58	70.8	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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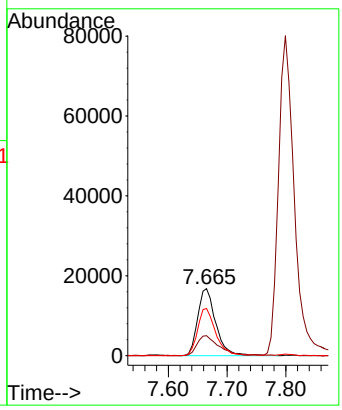
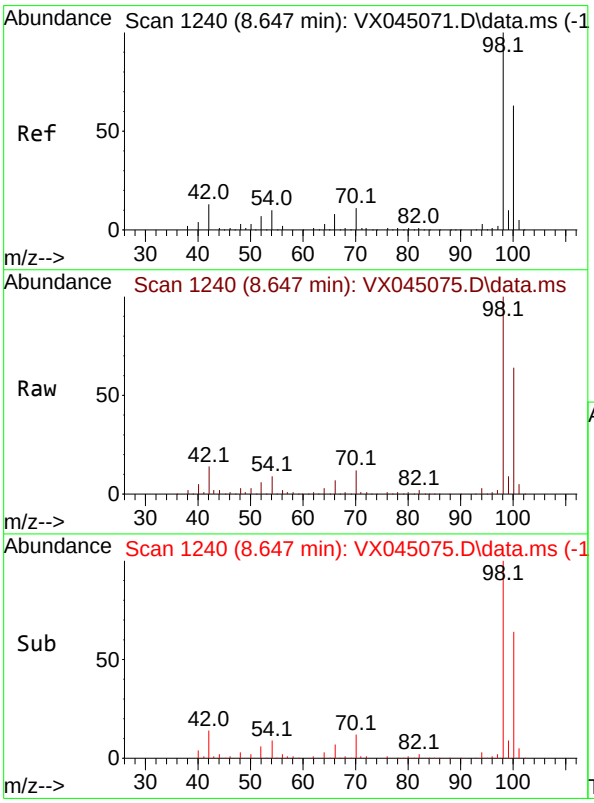
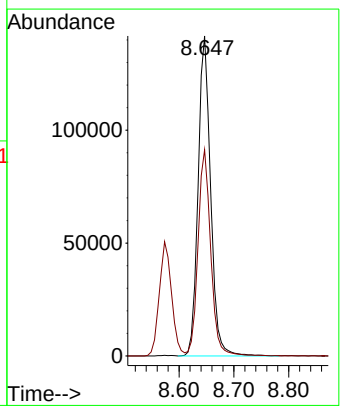


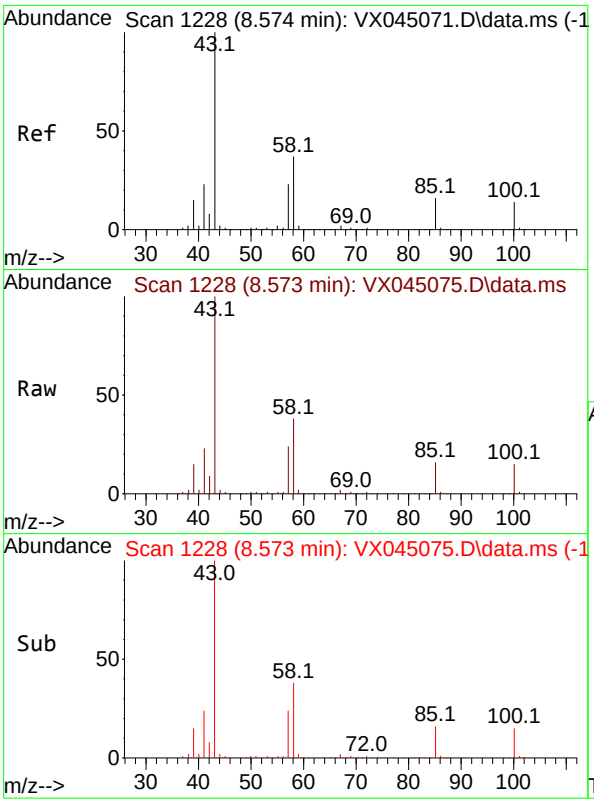


#50
Toluene-d8
Concen: 50.364 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 98 Resp: 225823

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 56419

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8

Instrument :
MSVOA_X
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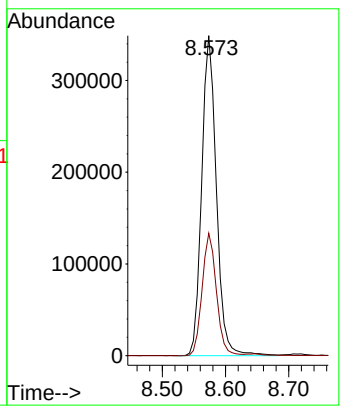
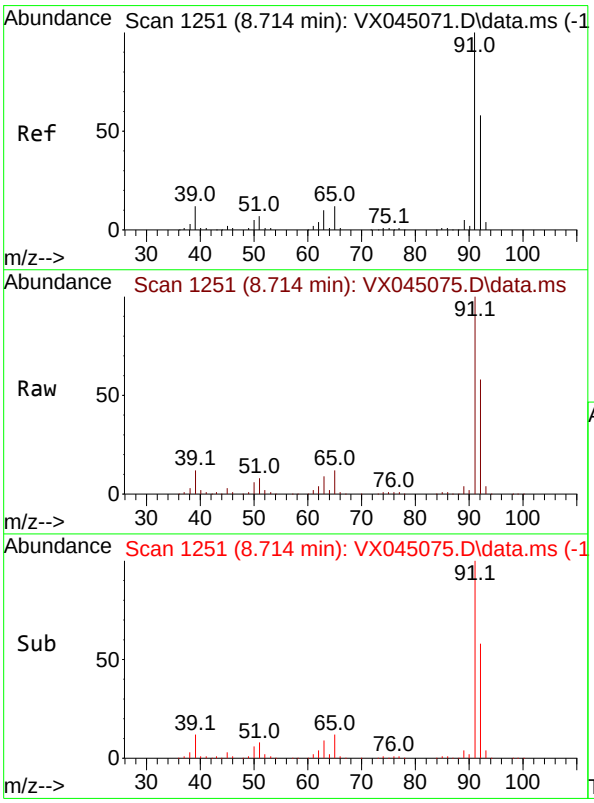
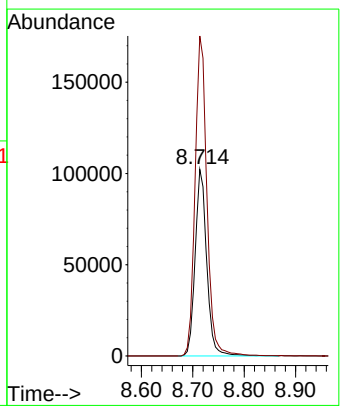


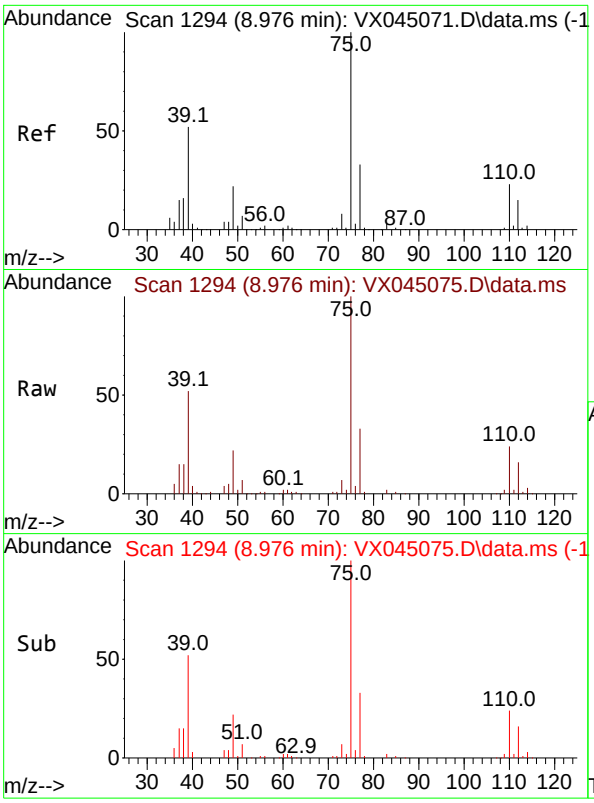


#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.9	208.3

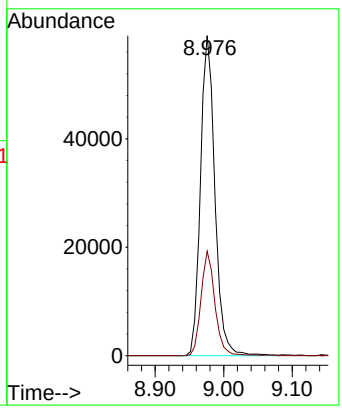




#53
t-1,3-Dichloropropene
Concen: 54.247 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 8658

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7



Instrument :
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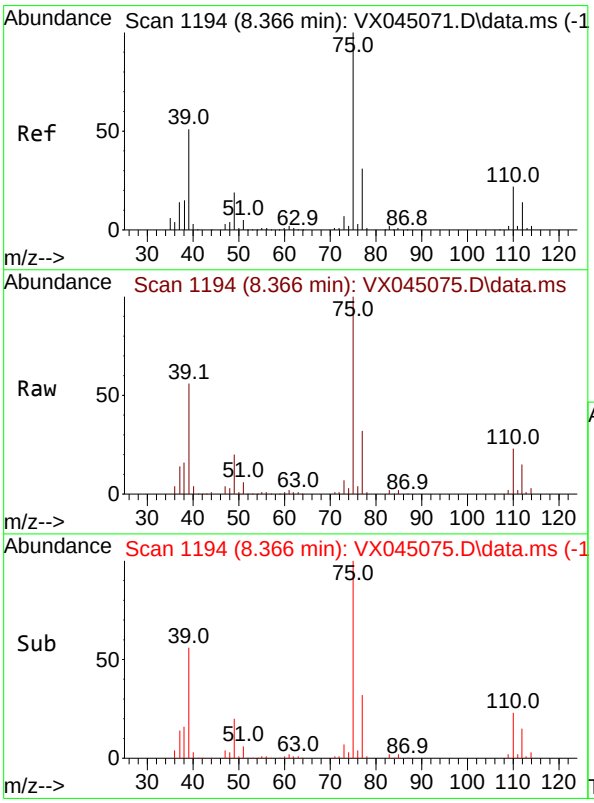
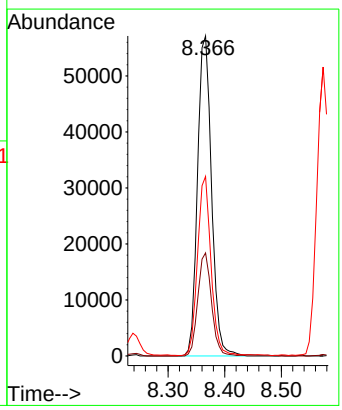
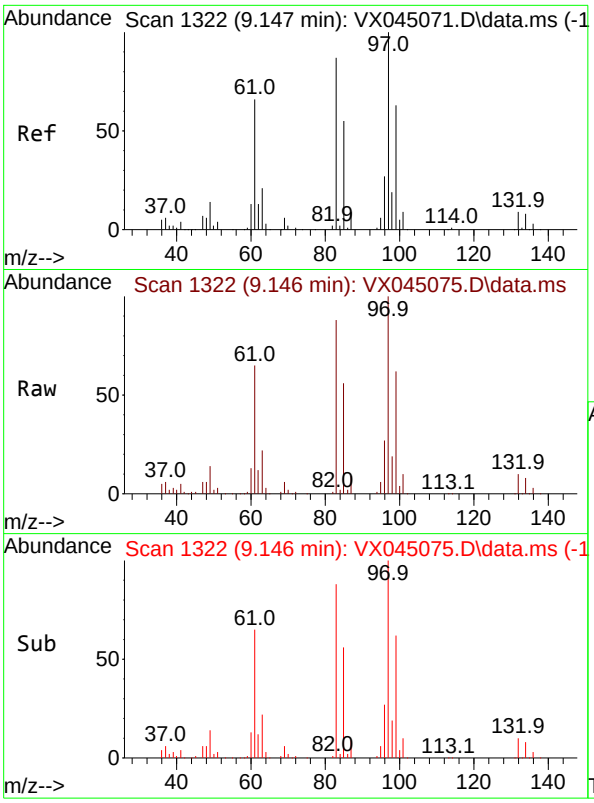


#54
cis-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 98146

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	56.0	40.7	61.1

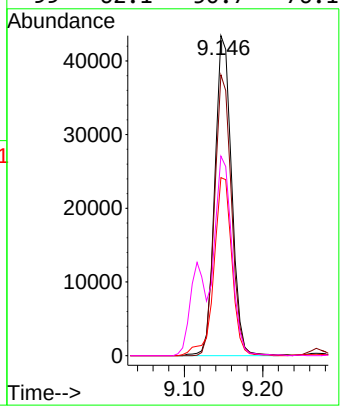




#55
1,1,2-Trichloroethane
Concen: 50.232 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 6498

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	55.6	44.1	66.1
99	62.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
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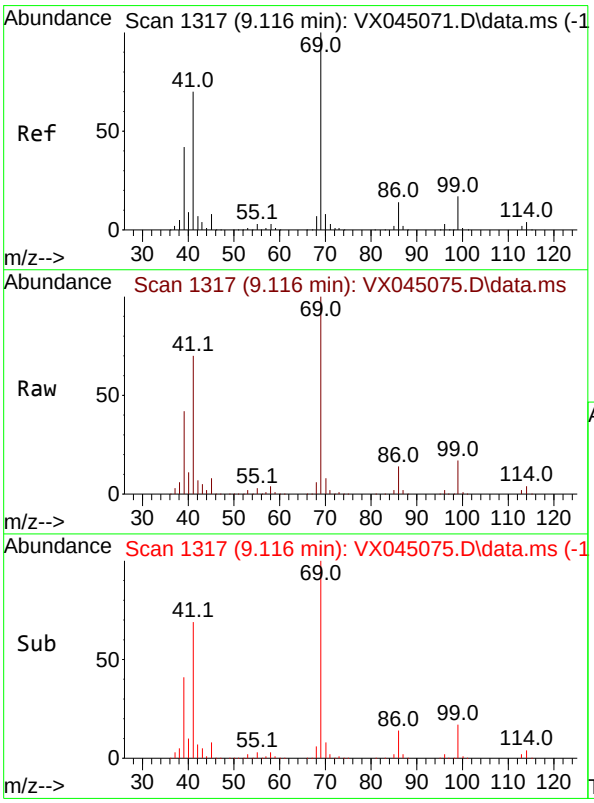
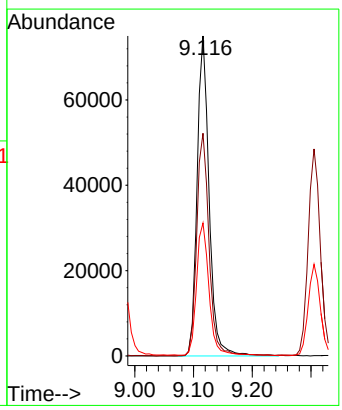
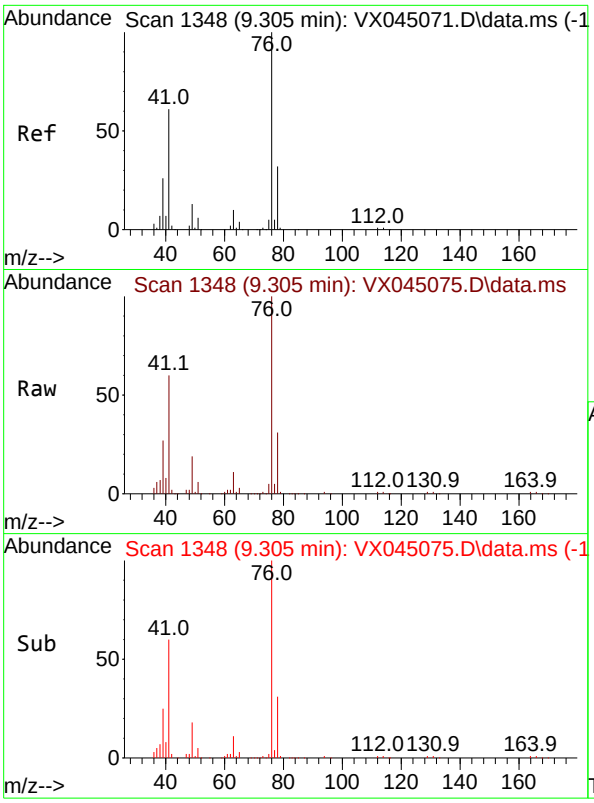


#56
Ethyl methacrylate
Concen: 54.109 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 69 Resp: 106405

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	43.2	34.2	51.4





#57
1,3-Dichloropropane
Concen: 51.312 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

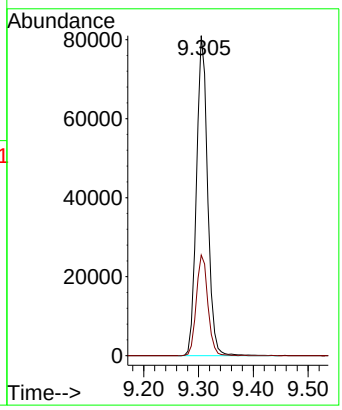
Tgt Ion: 76 Resp: 11488

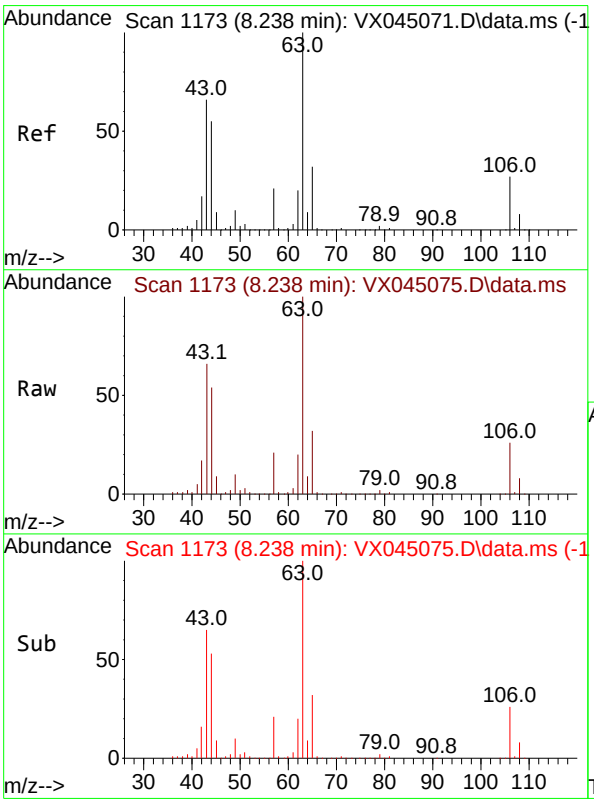
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

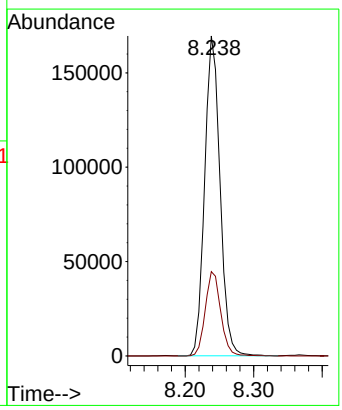


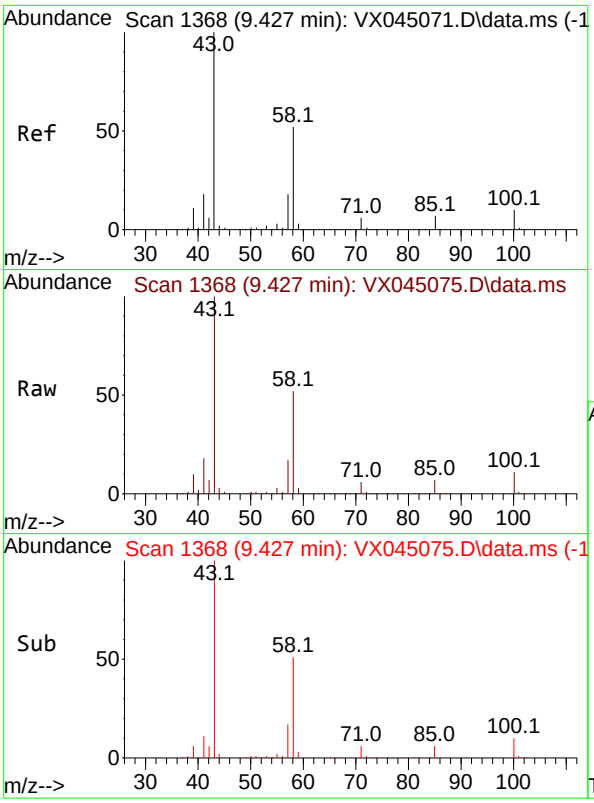


#58
2-Chloroethyl Vinyl ether
Concen: 275.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 264335

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3





#59
2-Hexanone
Concen: 265.049 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 41673

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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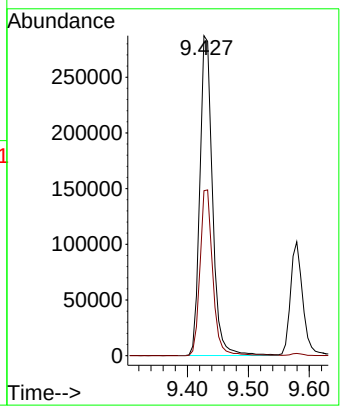
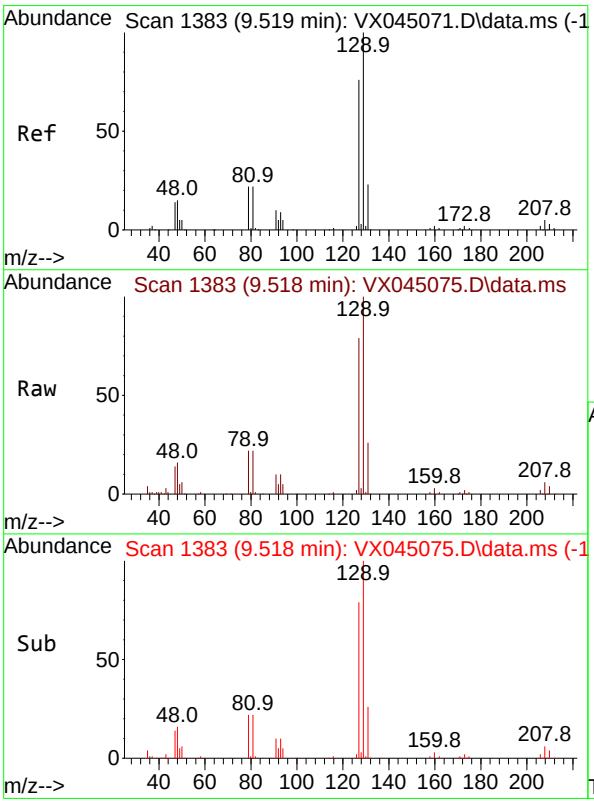
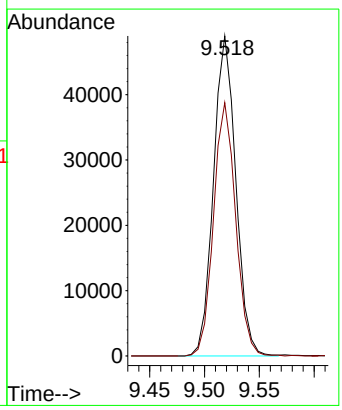


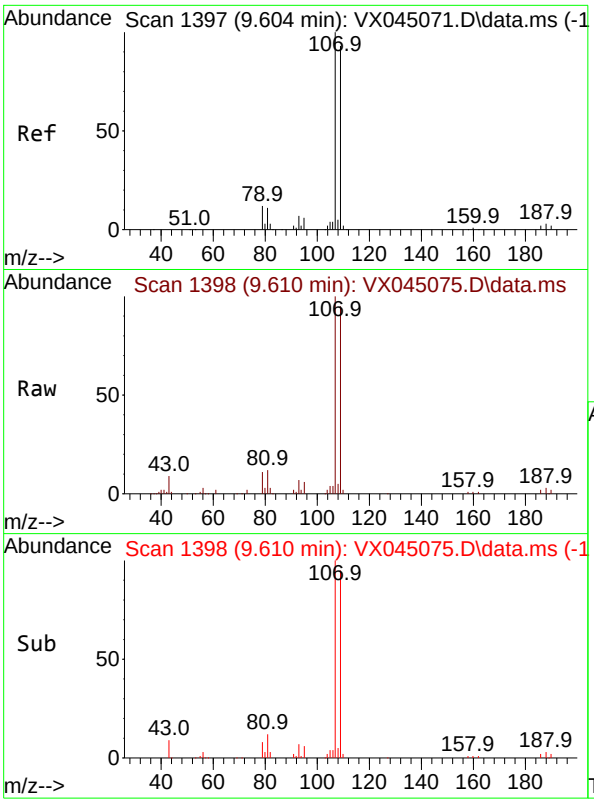


#60
Dibromochloromethane
Concen: 51.374 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:129 Resp: 69492

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5





#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:107 Resp: 6650

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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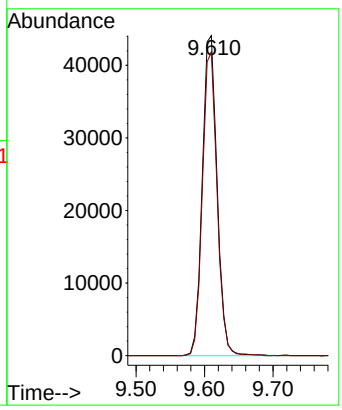
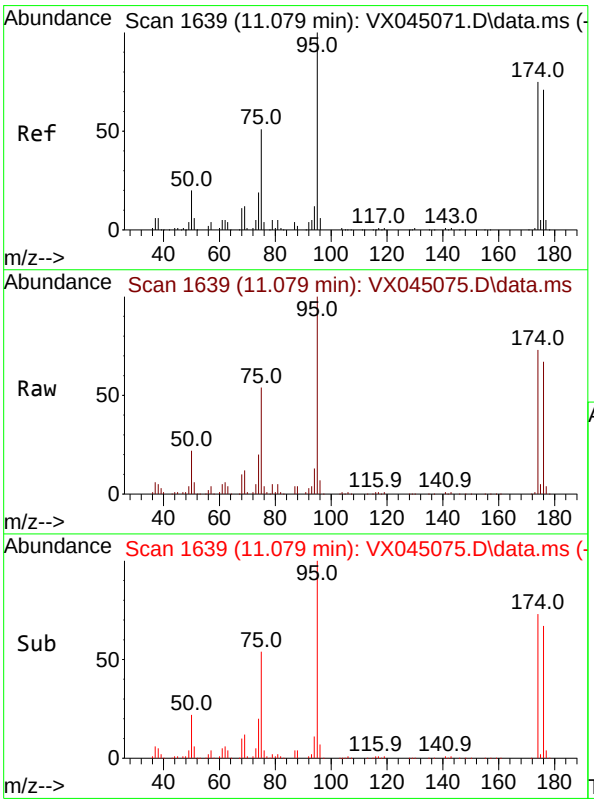
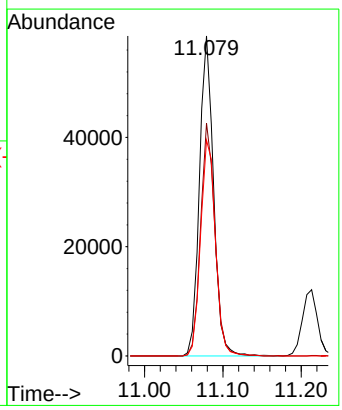


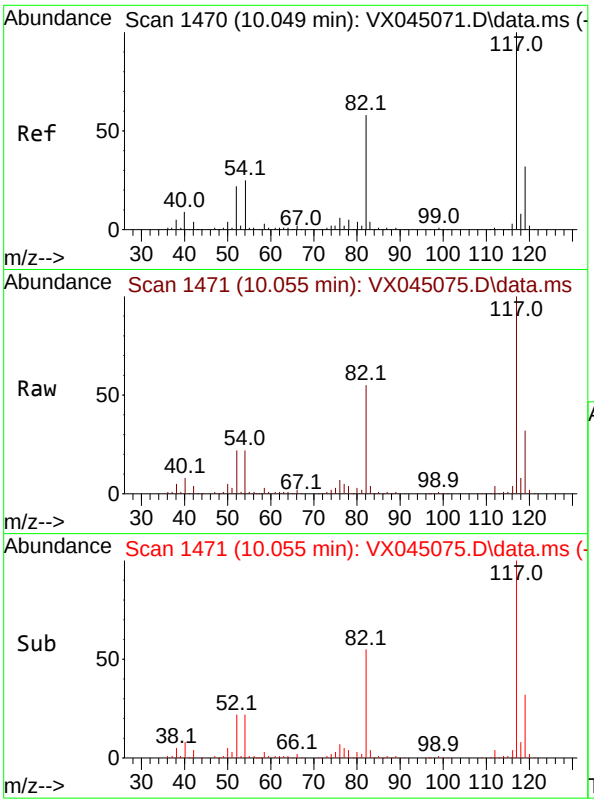


#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 95 Resp: 73162

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.2
176	71.3	0.0	141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 15779

Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.3	69.5
119	31.9	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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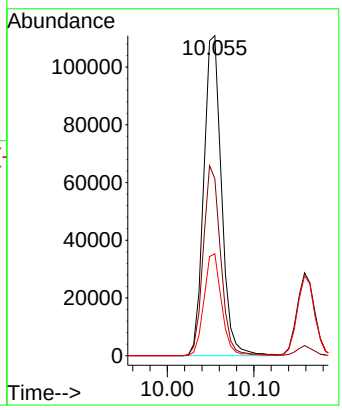
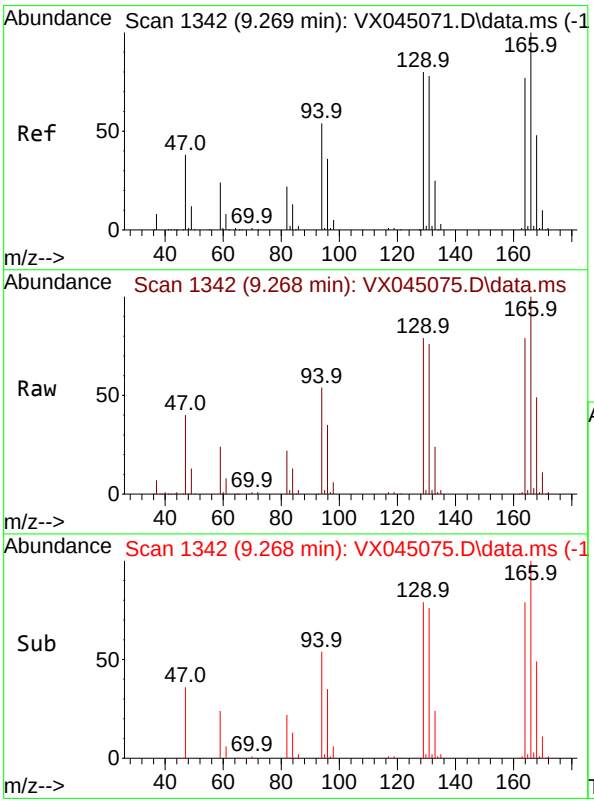
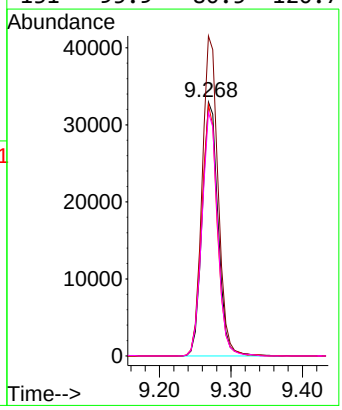


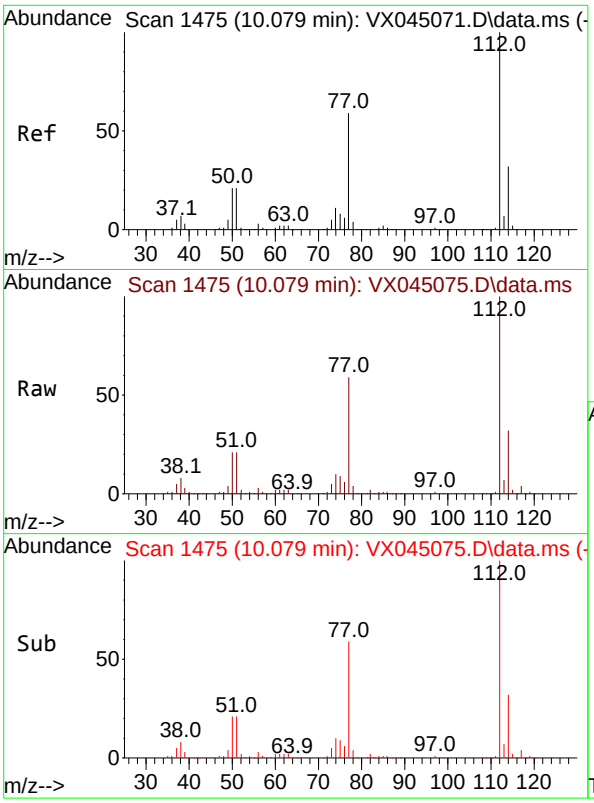


#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:164 Resp: 50659

Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.6	155.4
129	99.0	82.7	124.1
131	95.9	80.5	120.7

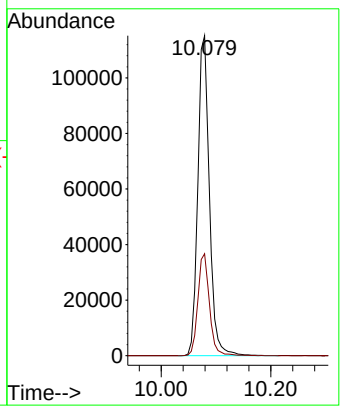




#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:112 Resp: 16888

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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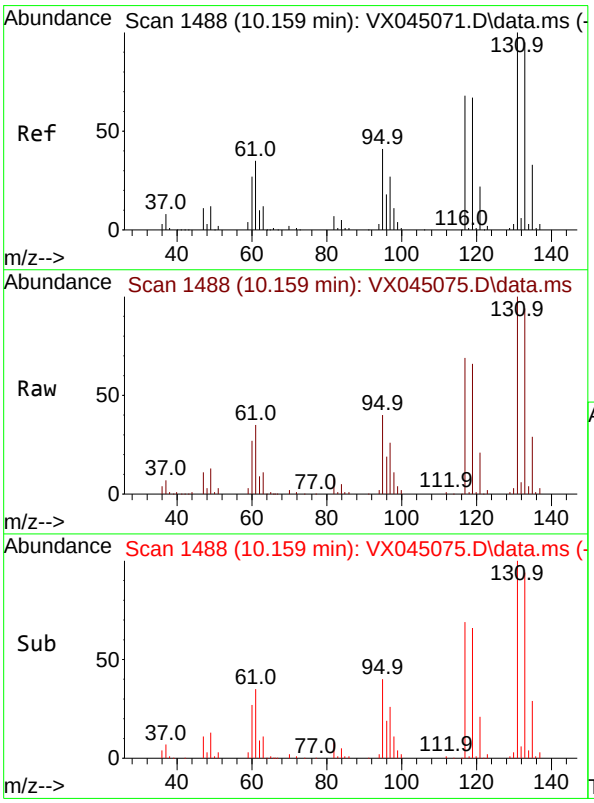
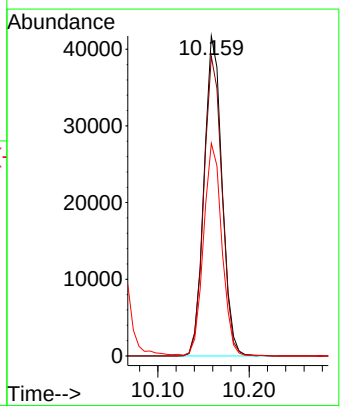
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

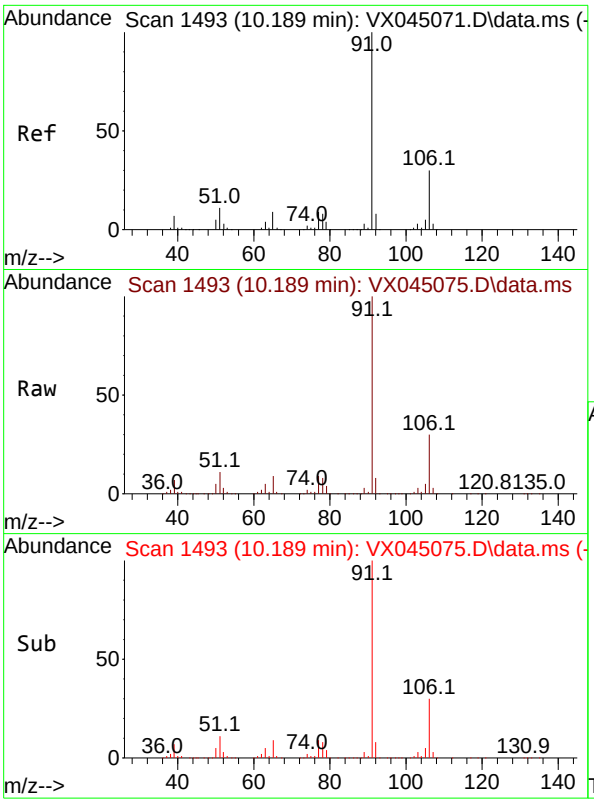


#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:131 Resp: 56822

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	67.6	33.9	101.7





#67
Ethyl Benzene
Concen: 51.621 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 30032

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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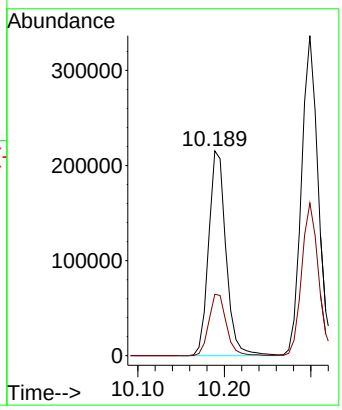
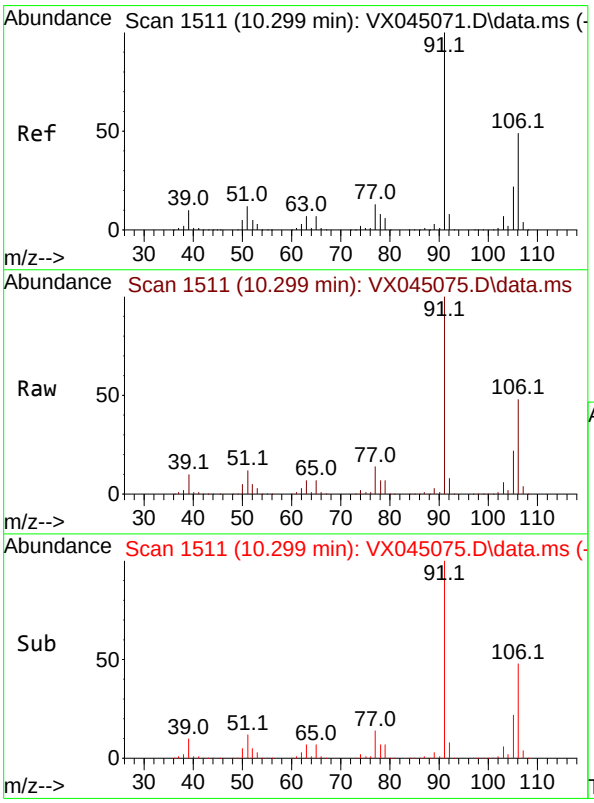
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

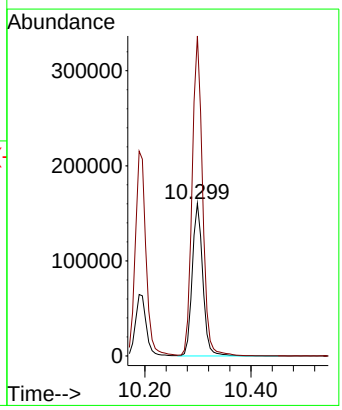


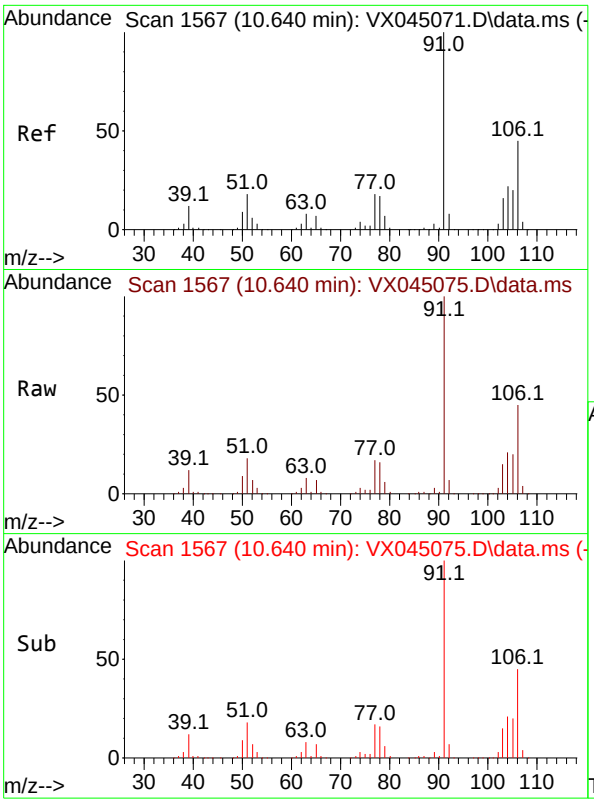


#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 220335

Ion	Ratio	Lower	Upper
106	100		
91	207.8	165.4	248.0





#69
o-Xylene
Concen: 50.668 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 10883

Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.9	329.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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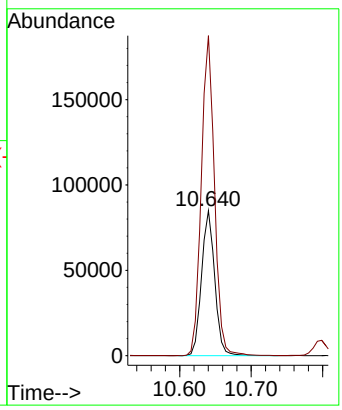
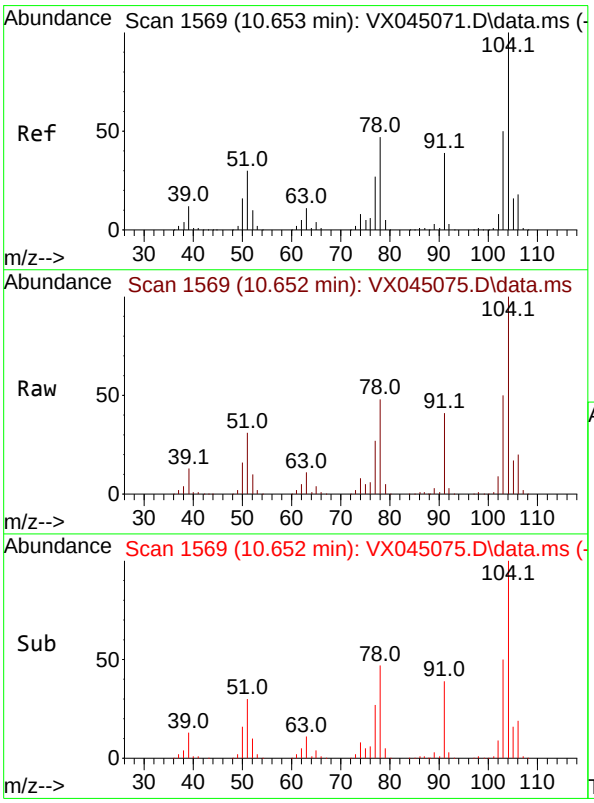
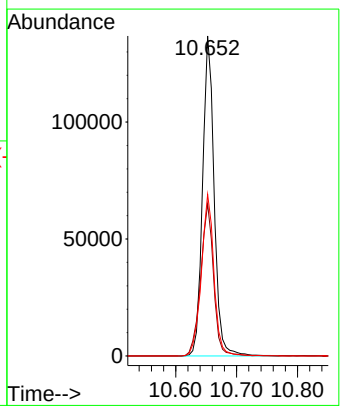


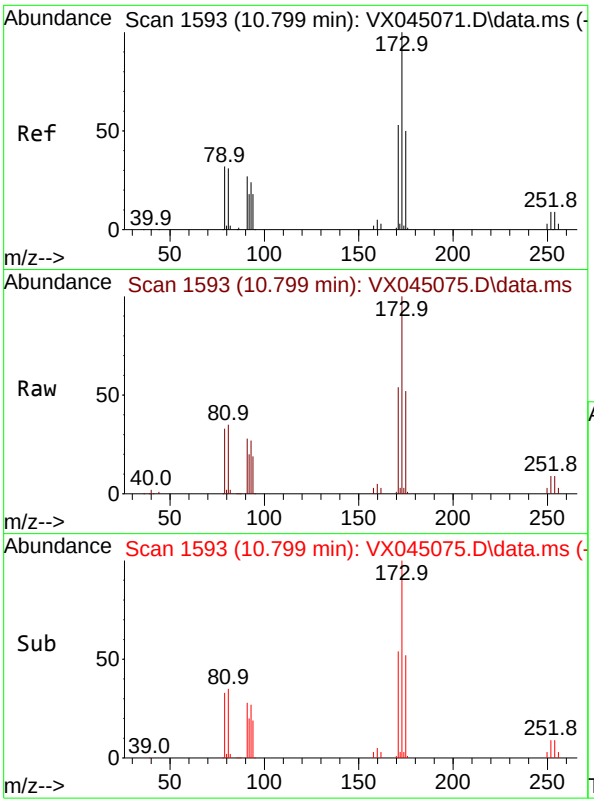


#70
Styrene
Concen: 52.177 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:104 Resp: 181349

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	55.1	43.8	65.8

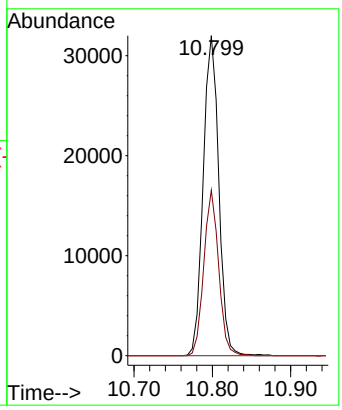




#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:173 Resp: 4413

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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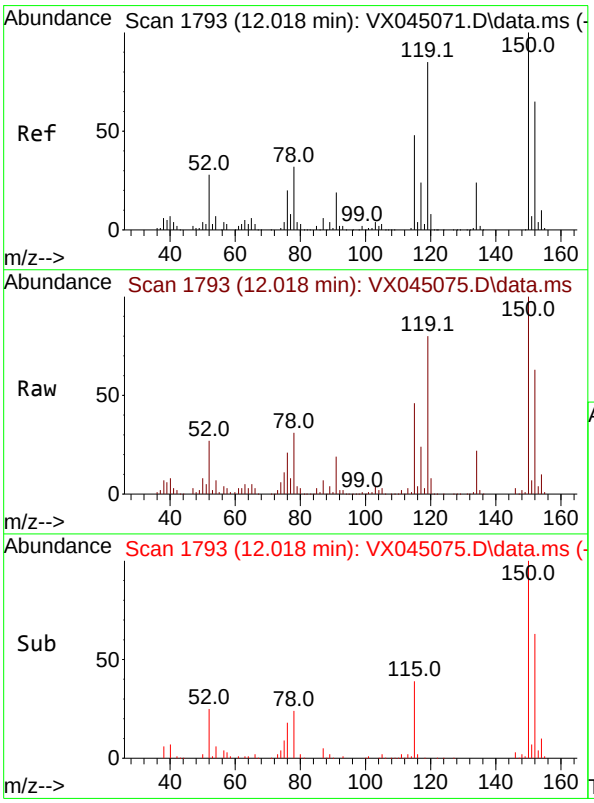
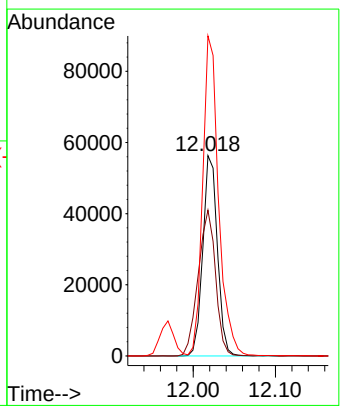
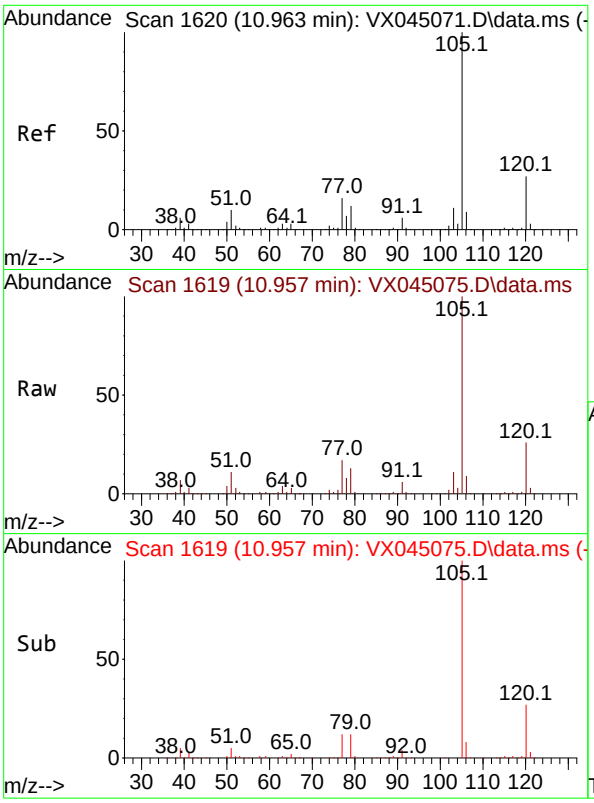


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:152 Resp: 69357

Ion	Ratio	Lower	Upper
152	100		
115	86.9	44.2	132.6
150	174.3	0.0	349.0

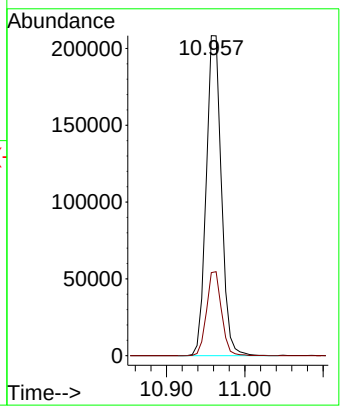




#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 27927

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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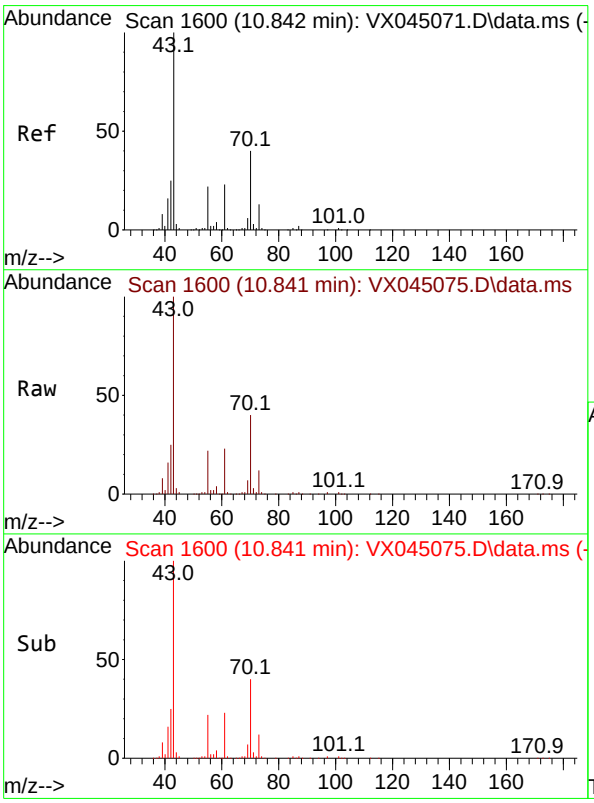
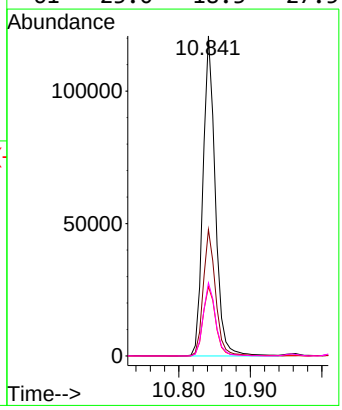
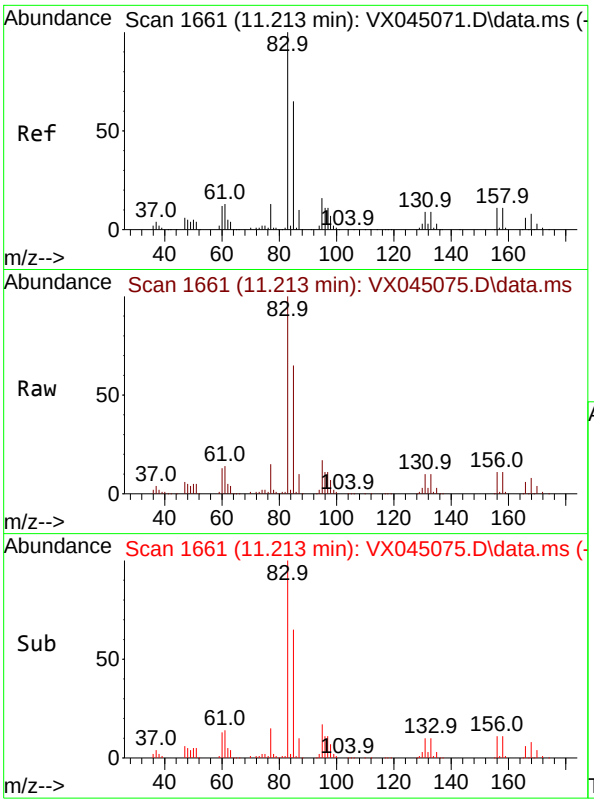


#74
N-amyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 144412

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5

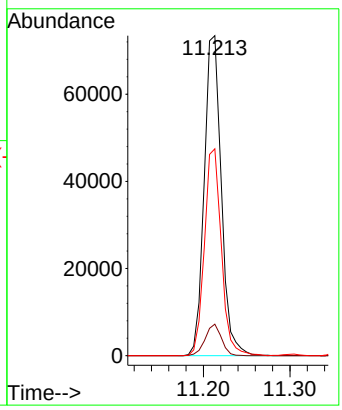




#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10080

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.0	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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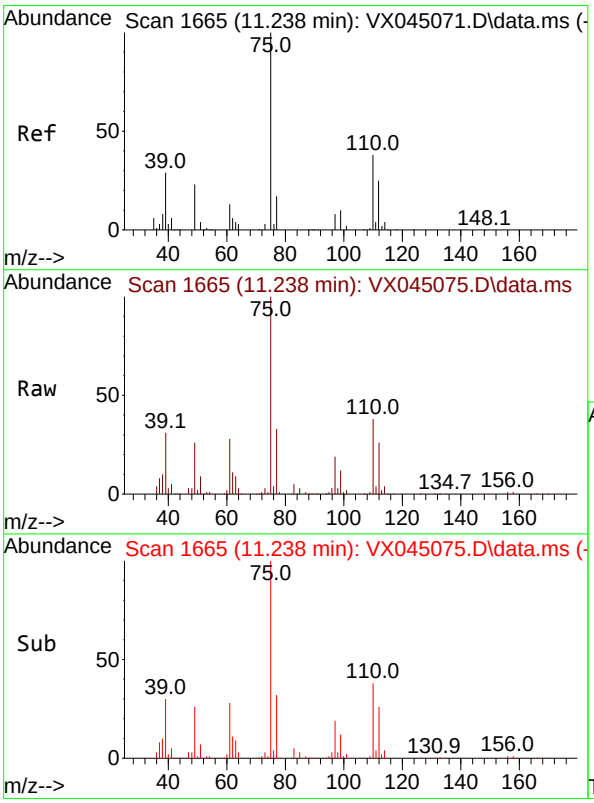
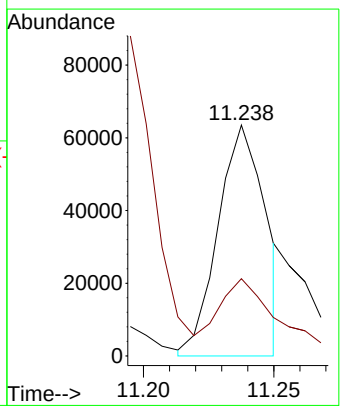
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

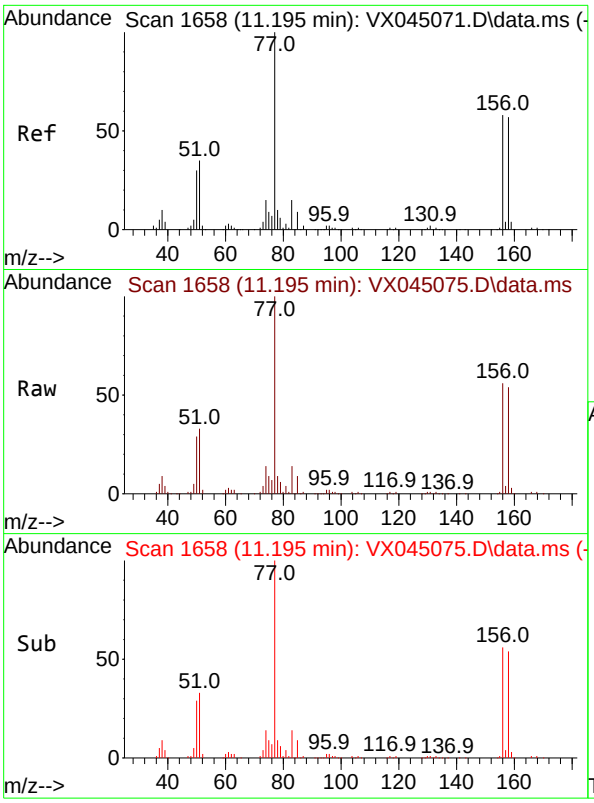


#76
1,2,3-Trichloropropane
Concen: 49.940 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 80618

Ion	Ratio	Lower	Upper
75	100		
77	42.5	20.7	62.1

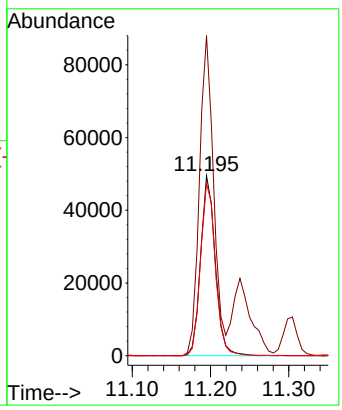




#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:156 Resp: 6432

Ion	Ratio	Lower	Upper
156	100		
77	172.1	85.8	257.4
158	96.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
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Manual Integrations
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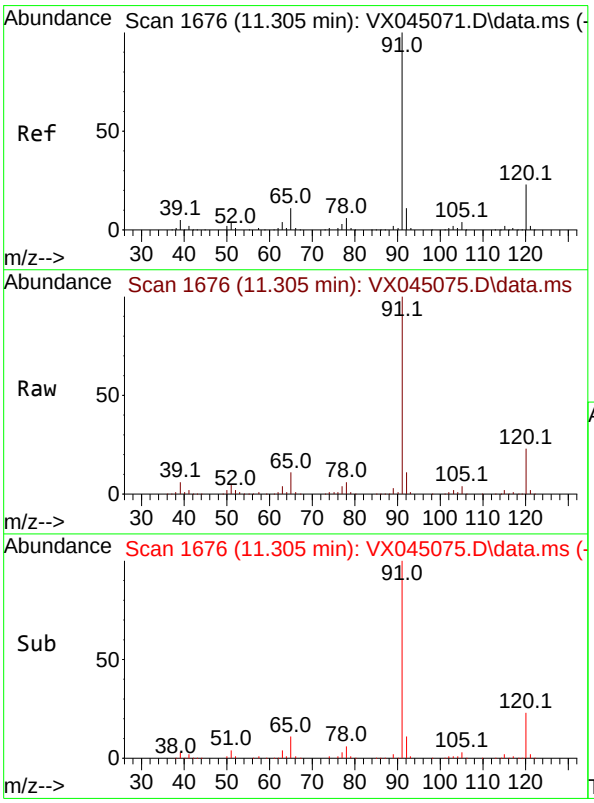
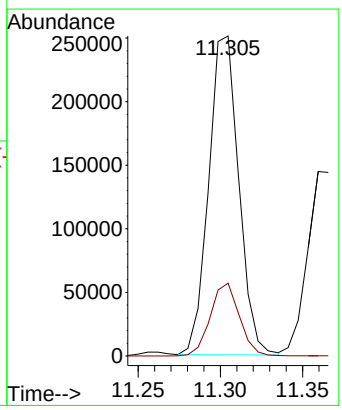
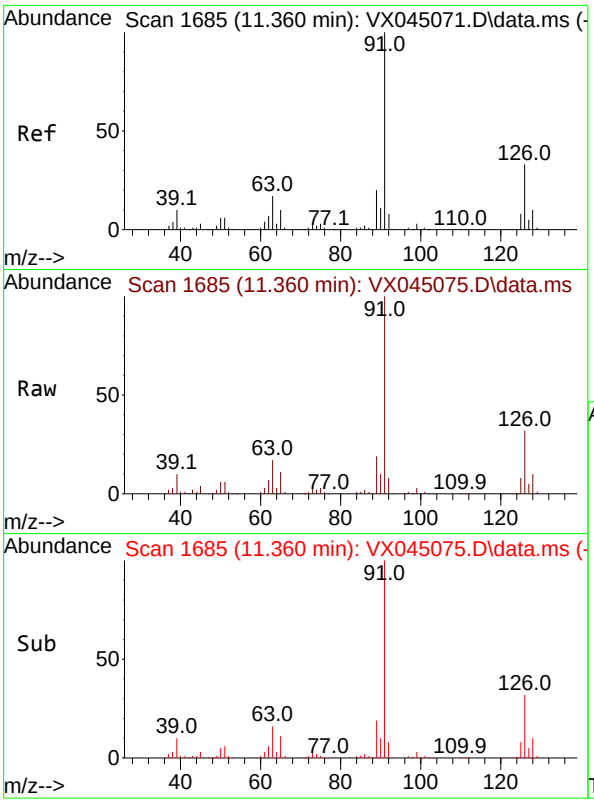


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 319235

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6





#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 19215

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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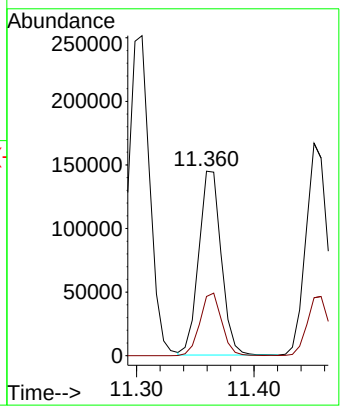
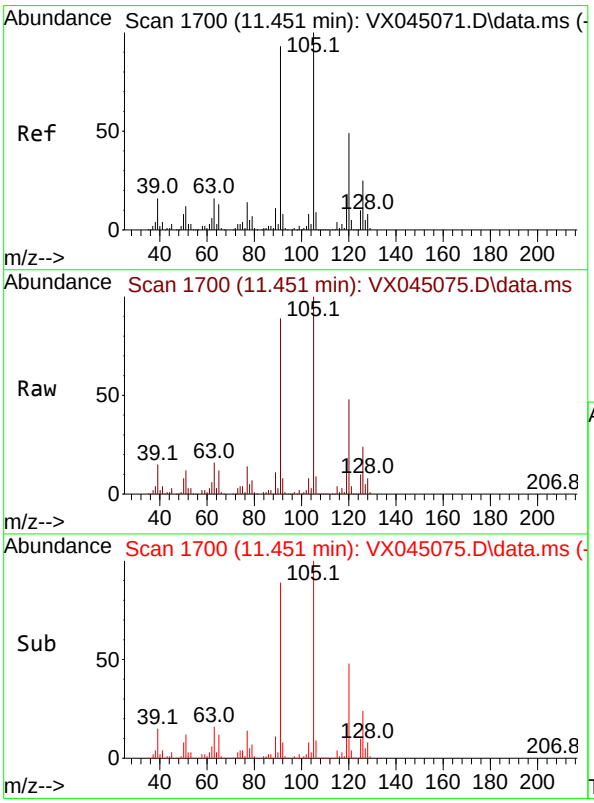
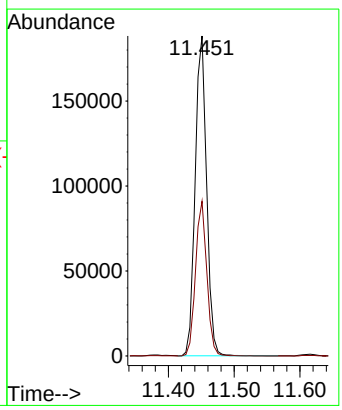


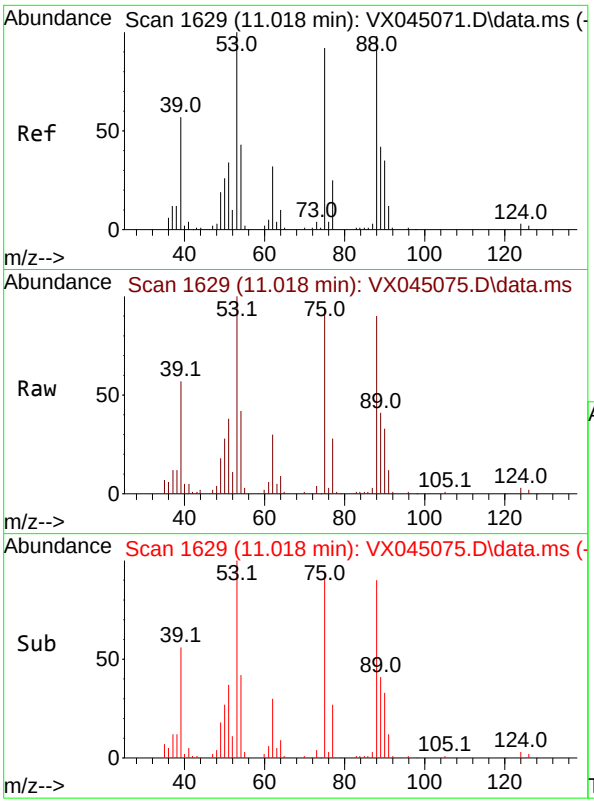


#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 225622

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 2394

Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.5	132.7
89	45.8	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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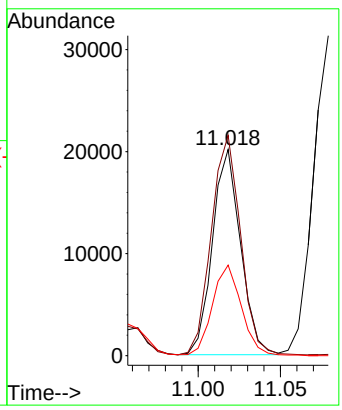
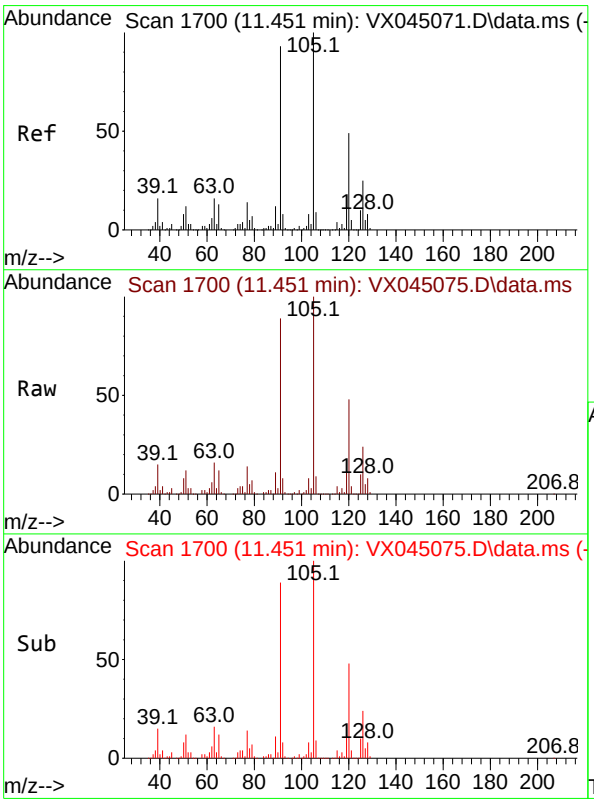
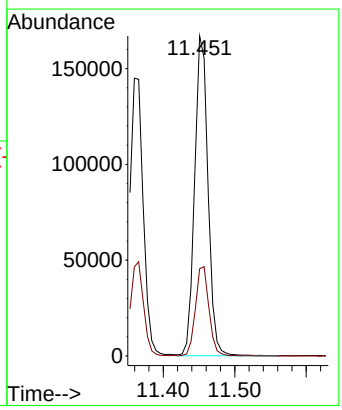


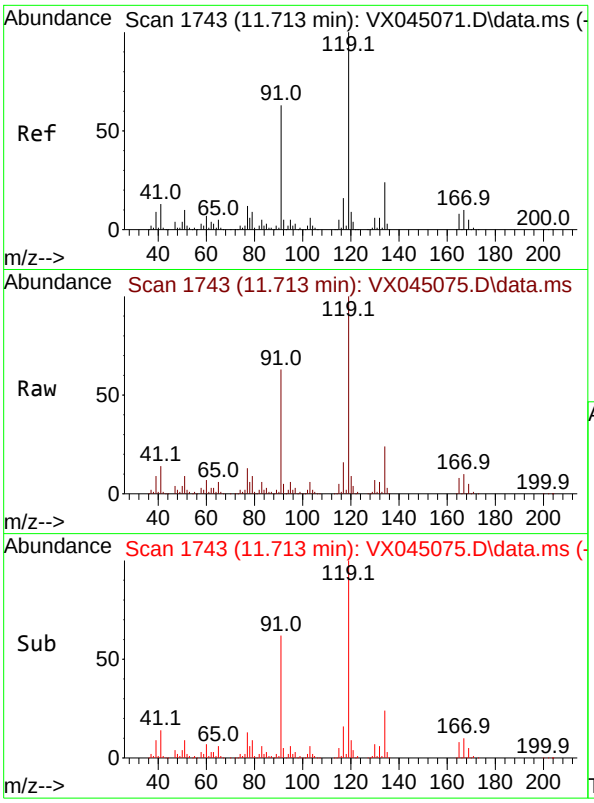


#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 216511

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

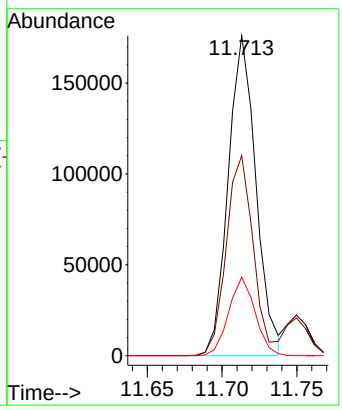




#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 22735

Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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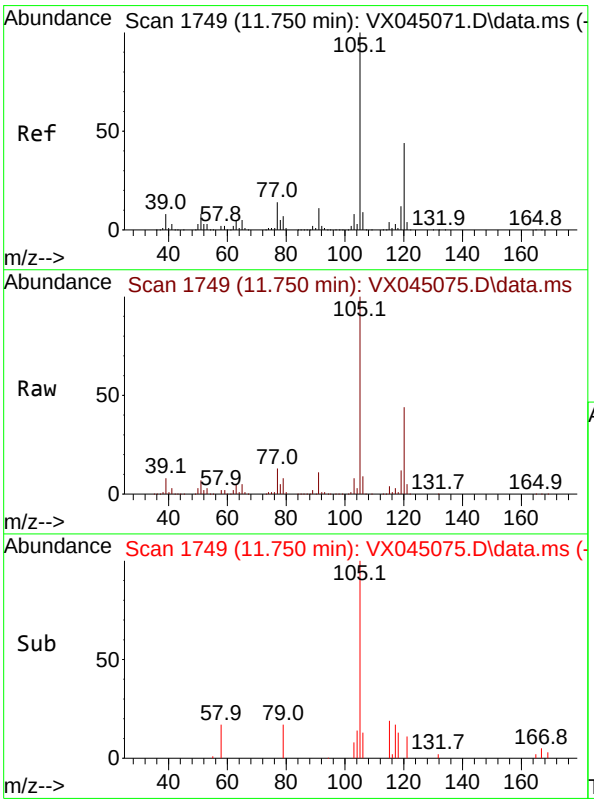
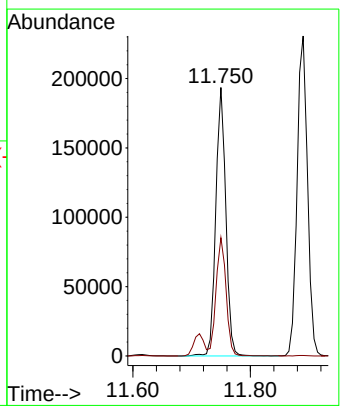
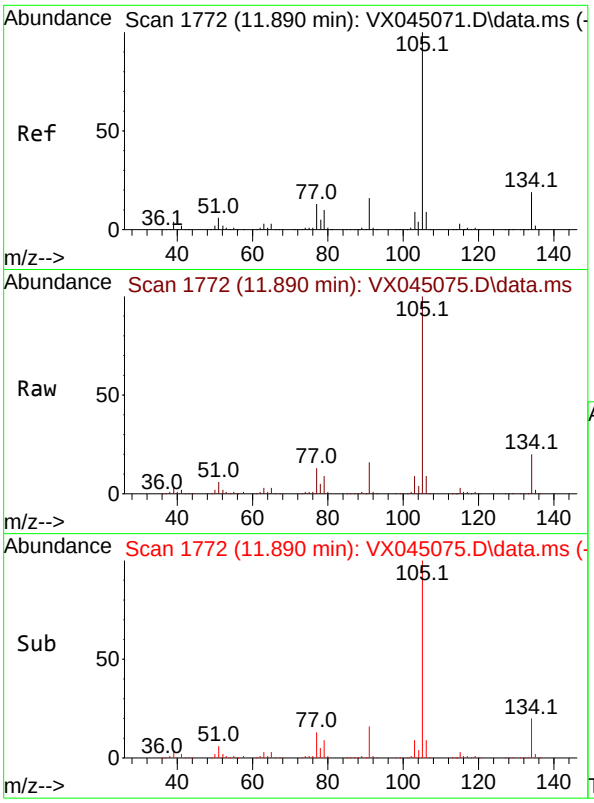


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 228729

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1

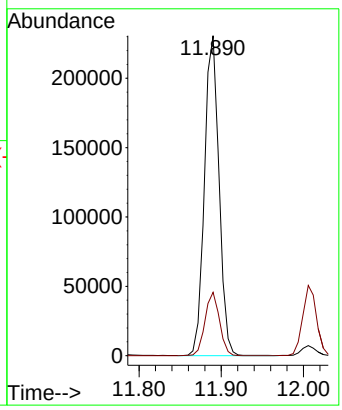




#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 28393

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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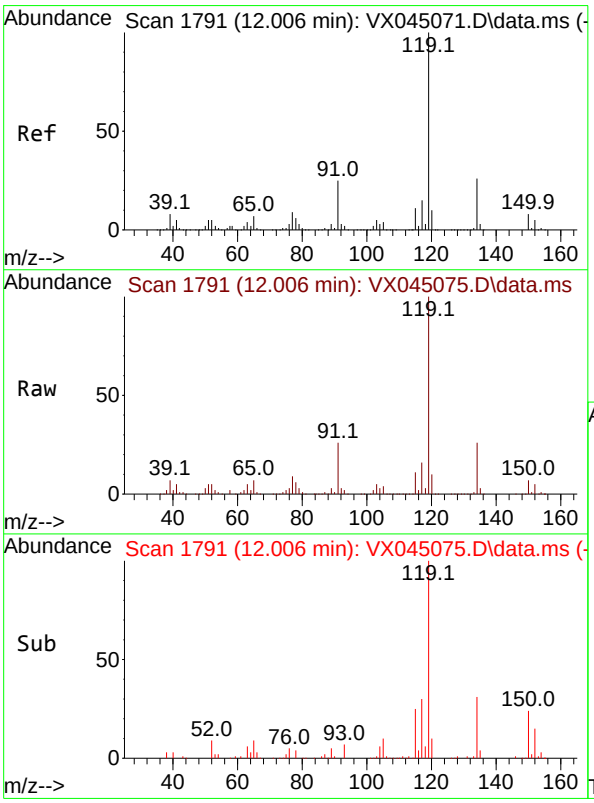
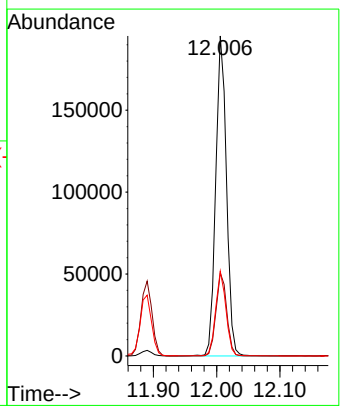
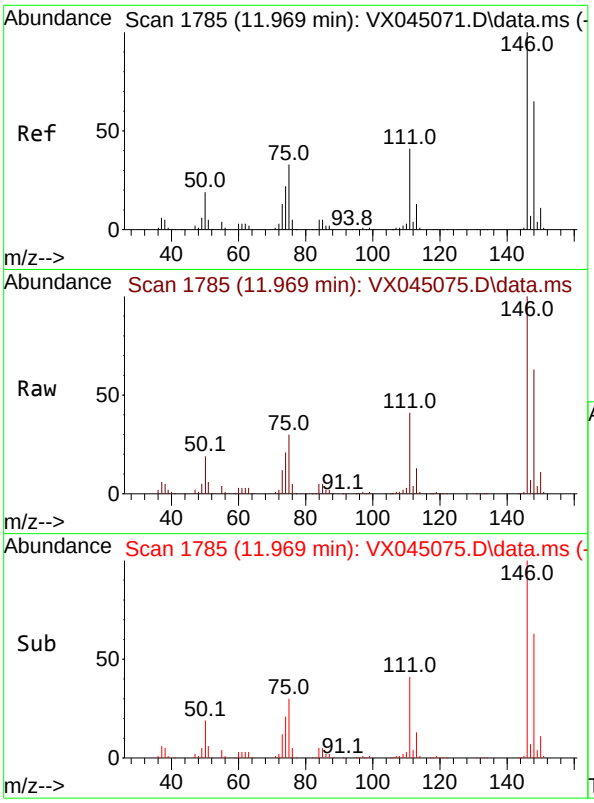


#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 229894

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	25.3	12.7	38.0





#87
1,3-Dichlorobenzene
Concen: 50.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 11477

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.6	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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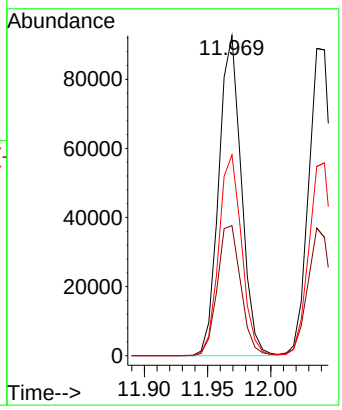
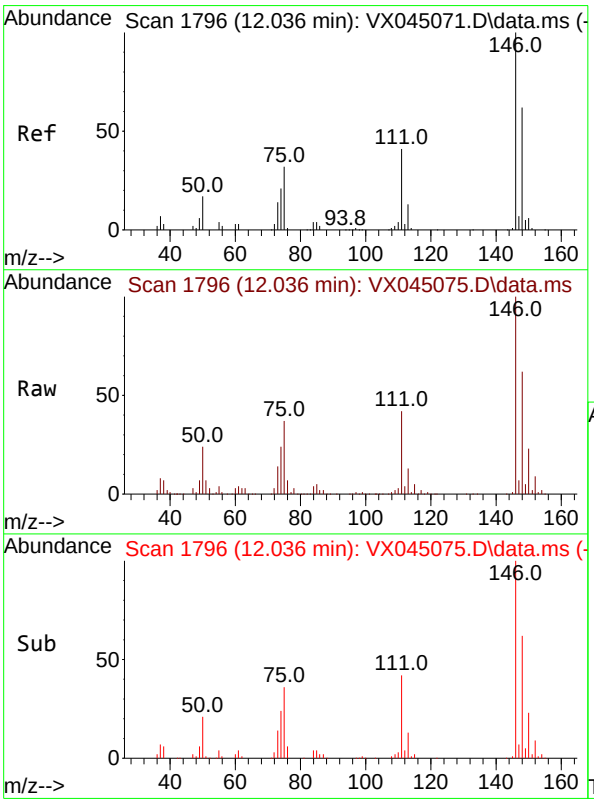
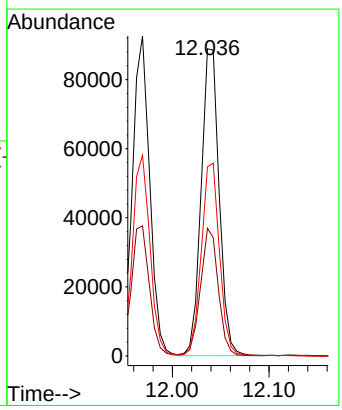


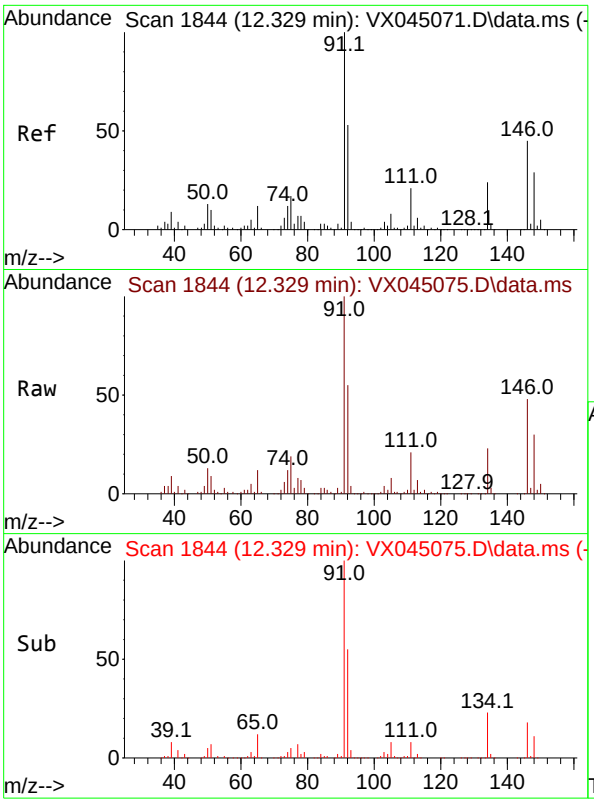


#88
1,4-Dichlorobenzene
Concen: 50.097 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 115486

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.5
148	63.0	31.9	95.9

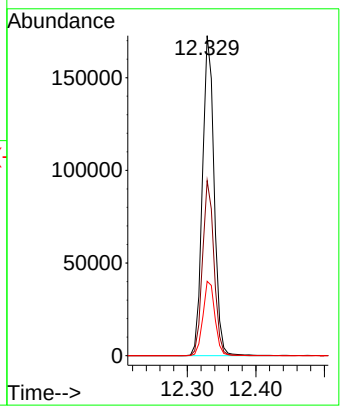




#89
n-Butylbenzene
Concen: 54.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 20497

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.0
134	23.9	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
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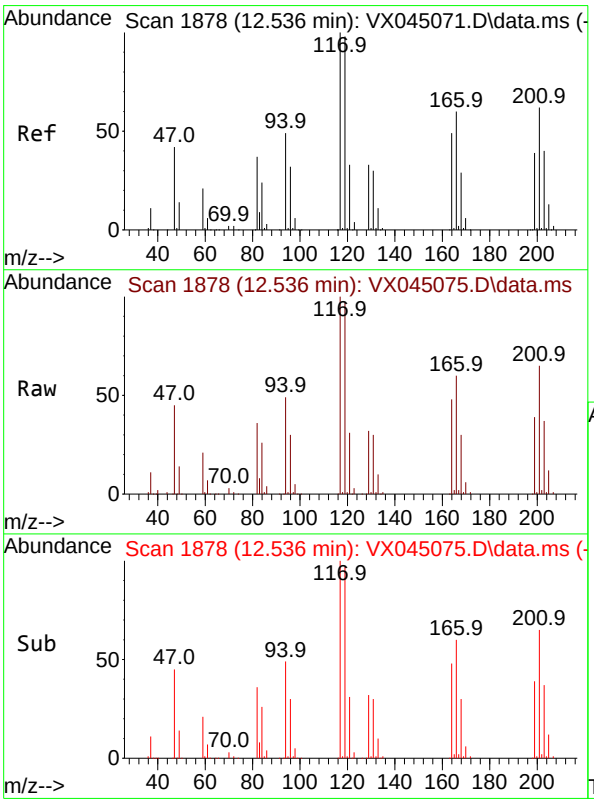
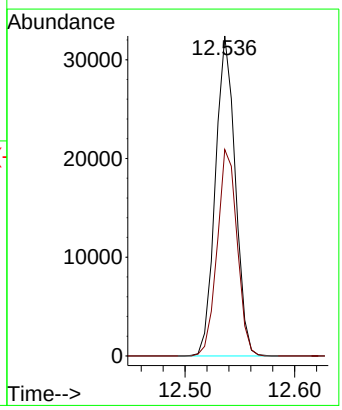
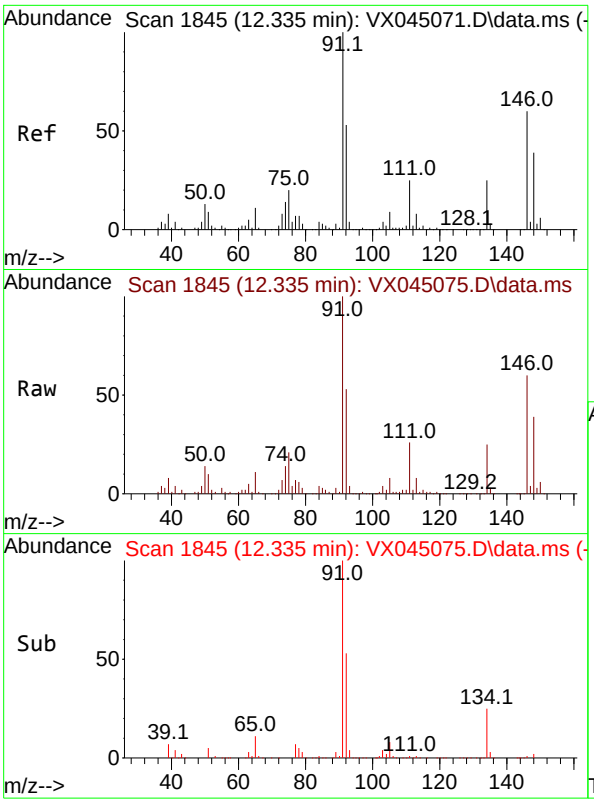


#90
Hexachloroethane
Concen: 51.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 40844

Ion	Ratio	Lower	Upper
117	100		
201	64.7	31.9	95.9

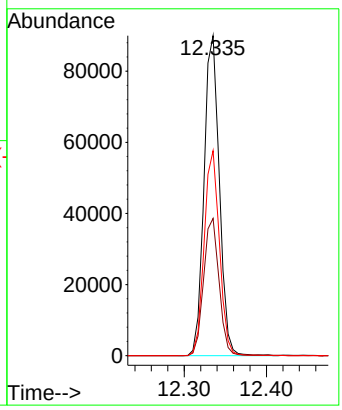




#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 11634

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.9	31.9	95.9



Instrument :
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ClientSampleId :
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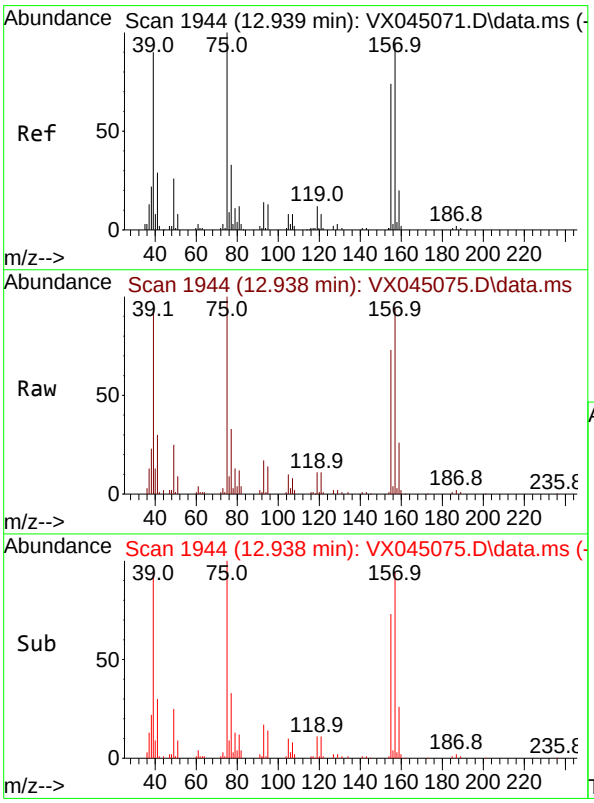
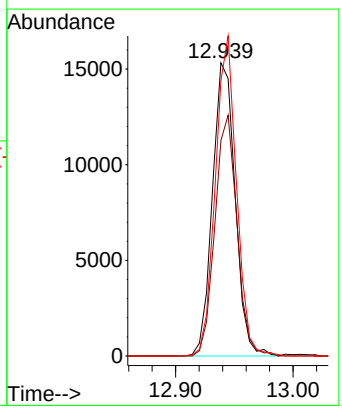
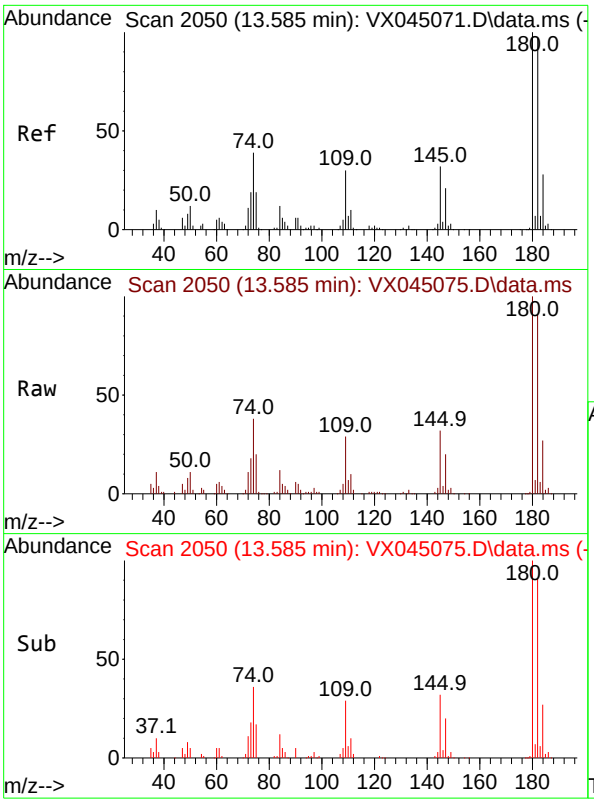


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 20589

Ion	Ratio	Lower	Upper
75	100		
155	79.8	39.6	118.7
157	101.7	51.1	153.4

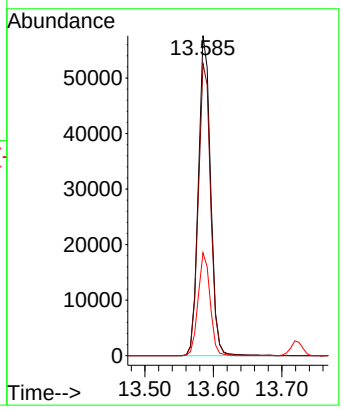




#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 7136

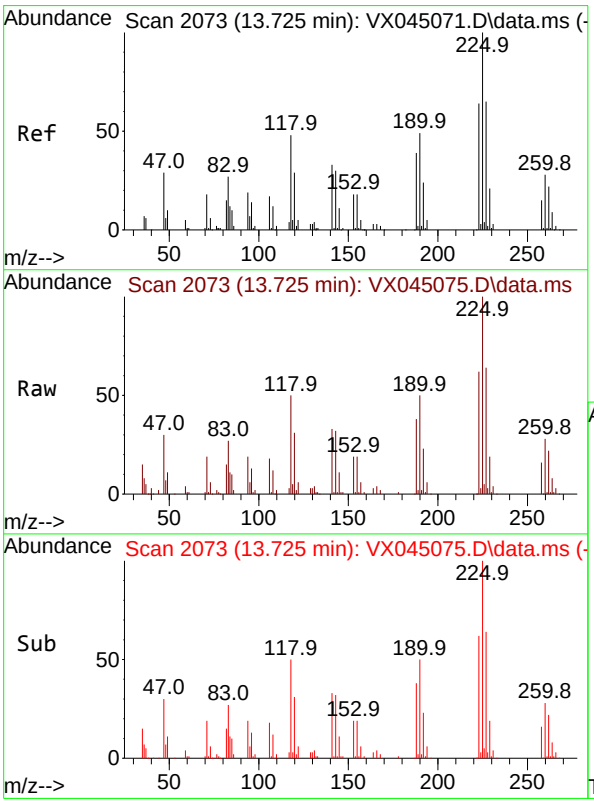
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	31.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

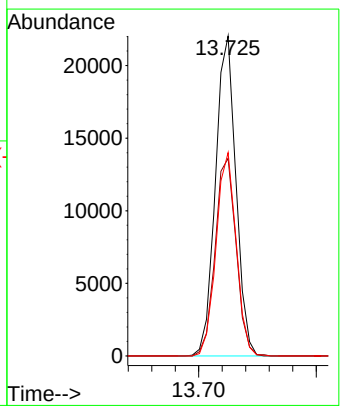
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

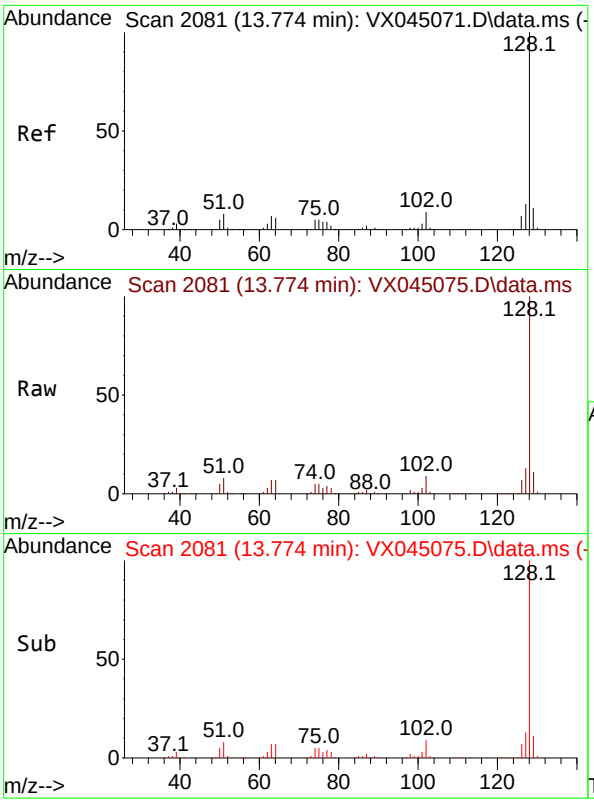


#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:225 Resp: 26697

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.4	31.4	94.0

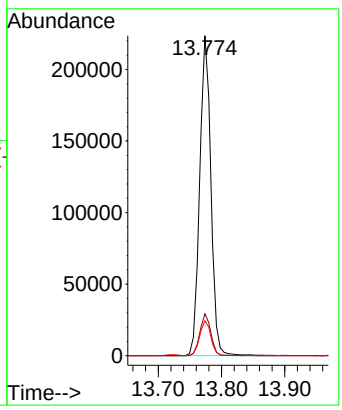




#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:128 Resp: 27584

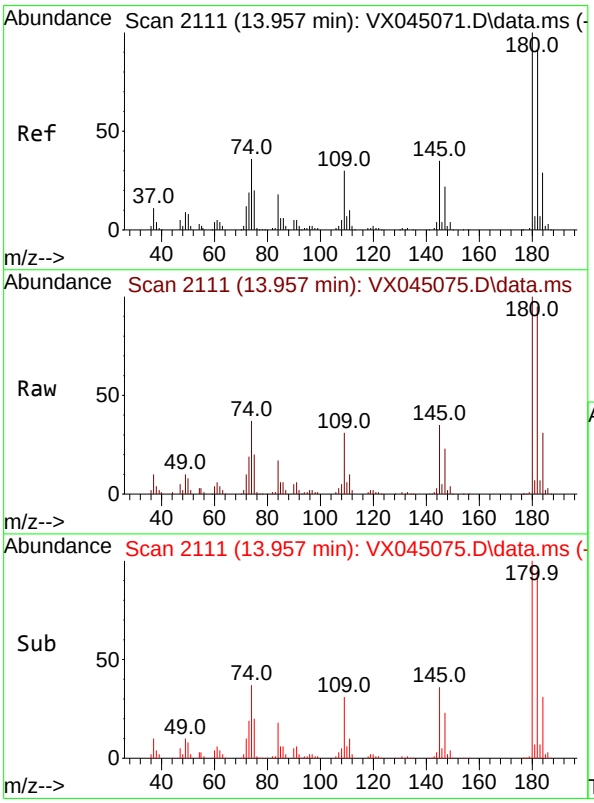
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

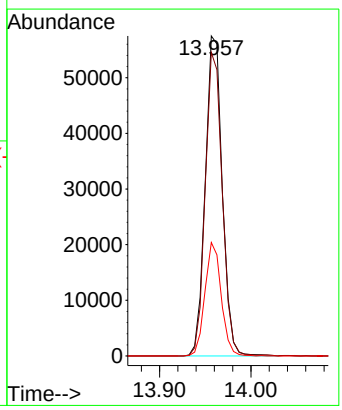
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.049 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 74211

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	33.9	17.0	50.9



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	98	0.00
2	T	Dichlorodifluoromethane	0.629	0.603	4.1	95	0.00
3	P	Chloromethane	0.770	0.750	2.6	98	0.00
4	C	Vinyl Chloride	0.764	0.757	0.9#	98	0.00
5	T	Bromomethane	0.300	0.277	7.7	93	0.00
6	T	Chloroethane	0.352	0.296	15.9	78	0.00
7	T	Trichlorofluoromethane	1.011	1.003	0.8	94	0.00
8	T	Diethyl Ether	0.396	0.385	2.8	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.585	-0.7	97	0.00
10	T	Methyl Iodide	0.726	0.734	-1.1	94	0.00
11	T	Tert butyl alcohol	0.151	0.144	4.6	106	0.00
12	CM	1,1-Dichloroethene	0.614	0.609	0.8#	96	0.00
13	T	Acrolein	0.174	0.189	-8.6	107	0.00
14	T	Allyl chloride	1.094	1.131	-3.4	100	0.00
15	T	Acrylonitrile	0.404	0.413	-2.2	99	0.00
16	T	Acetone	0.369	0.358	3.0	100	0.00
17	T	Carbon Disulfide	1.636	1.635	0.1	97	0.00
18	T	Methyl Acetate	0.888	0.893	-0.6	101	0.00
19	T	Methyl tert-butyl Ether	2.061	2.190	-6.3	103	0.00
20	T	Methylene Chloride	0.731	0.726	0.7	102	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.621	-2.3	97	0.00
22	T	Diisopropyl ether	2.224	2.400	-7.9	103	0.00
23	T	Vinyl Acetate	1.856	2.096	-12.9	105	0.00
24	P	1,1-Dichloroethane	1.247	1.276	-2.3	101	0.00
25	T	2-Butanone	0.555	0.587	-5.8	100	0.00
26	T	2,2-Dichloropropane	0.585	0.578	1.2	95	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.773	-3.2	100	0.00
28	T	Bromochloromethane	0.594	0.599	-0.8	98	0.00
29	T	Tetrahydrofuran	0.373	0.385	-3.2	102	0.00
30	C	Chloroform	1.239	1.244	-0.4#	98	0.00
31	T	Cyclohexane	1.082	1.085	-0.3	96	0.00
32	T	1,1,1-Trichloroethane	1.000	1.019	-1.9	98	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.800	-0.6	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.334	0.340	-1.8	103	0.00
36	T	1,1-Dichloropropene	0.459	0.447	2.6	95	0.00
37	T	Ethyl Acetate	0.591	0.610	-3.2	100	0.00
38	T	Carbon Tetrachloride	0.465	0.460	1.1	98	0.00
39	T	Methylcyclohexane	0.549	0.562	-2.4	95	0.00
40	TM	Benzene	1.448	1.482	-2.3	98	0.00
41	T	Methacrylonitrile	0.319	0.341	-6.9	99	0.00
42	TM	1,2-Dichloroethane	0.521	0.529	-1.5	99	0.00
43	T	Isopropyl Acetate	0.874	0.951	-8.8	102	0.00
44	TM	Trichloroethene	0.340	0.333	2.1	97	0.00
45	C	1,2-Dichloropropane	0.372	0.380	-2.2#	102	0.00
46	T	Dibromomethane	0.263	0.272	-3.4	100	0.00
47	T	Bromodichloromethane	0.516	0.526	-1.9	99	0.00
48	T	Methyl methacrylate	0.438	0.474	-8.2	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.009	0.010	-11.1	102	0.00
50	S	Toluene-d8	1.212	1.221	-0.7	100	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.610	-3.9	99	0.00
52	CM	Toluene	0.849	0.867	-2.1#	96	0.00
53	T	t-1,3-Dichloropropene	0.431	0.468	-8.6	99	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.531	-5.6	98	0.00
55	T	1,1,2-Trichloroethane	0.350	0.351	-0.3	98	0.00
56	T	Ethyl methacrylate	0.532	0.575	-8.1	100	0.00
57	T	1,3-Dichloropropane	0.605	0.621	-2.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.286	-10.4	100	0.00
59	T	2-Hexanone	0.425	0.451	-6.1	100	0.00
60	T	Dibromochloromethane	0.366	0.376	-2.7	97	0.00
61	T	1,2-Dibromoethane	0.349	0.360	-3.2	100	0.00
62	S	4-Bromofluorobenzene	0.402	0.396	1.5	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.320	0.321	-0.3	96	0.00
65	PM	Chlorobenzene	1.058	1.070	-1.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.360	-2.3	99	0.00
67	C	Ethyl Benzene	1.843	1.903	-3.3#	95	0.00
68	T	m/p-Xylenes	0.675	0.698	-3.4	94	0.00
69	T	o-Xylene	0.681	0.690	-1.3	95	0.00
70	T	Styrene	1.101	1.149	-4.4	95	0.00
71	P	Bromoform	0.266	0.280	-5.3	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.903	4.027	-3.2	95	0.00
74	T	N-amyl acetate	1.831	2.082	-13.7	103	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.453	-1.5	100	0.00
76	T	1,2,3-Trichloropropane	1.164	1.162	0.2	99	0.00
77	T	Bromobenzene	0.921	0.927	-0.7	96	0.00
78	T	n-propylbenzene	4.409	4.603	-4.4	93	0.00
79	T	2-Chlorotoluene	2.808	2.770	1.4	94	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.253	-3.1	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.345	-1.5	99	0.00
82	T	4-Chlorotoluene	3.060	3.122	-2.0	94	0.00
83	T	tert-Butylbenzene	3.242	3.278	-1.1	95	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.298	-3.9	95	0.00
85	T	sec-Butylbenzene	3.884	4.094	-5.4	95	0.00
86	T	p-Isopropyltoluene	3.139	3.315	-5.6	94	0.00
87	T	1,3-Dichlorobenzene	1.643	1.655	-0.7	97	0.00
88	T	1,4-Dichlorobenzene	1.662	1.665	-0.2	96	0.00
89	T	n-Butylbenzene	2.703	2.955	-9.3	95	0.00
90	T	Hexachloroethane	0.568	0.589	-3.7	95	0.00
91	T	1,2-Dichlorobenzene	1.648	1.677	-1.8	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.297	-6.5	100	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.029	-9.7	99	0.00
94	T	Hexachlorobutadiene	0.385	0.385	0.0	96	0.00
95	T	Naphthalene	3.605	3.977	-10.3	99	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.990	1.070	-8.1	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	98	0.00
2	T	Dichlorodifluoromethane	50.000	47.933	4.1	95	0.00
3	P	Chloromethane	50.000	48.696	2.6	98	0.00
4	C	Vinyl Chloride	50.000	49.529	0.9#	98	0.00
5	T	Bromomethane	50.000	46.190	7.6	93	0.00
6	T	Chloroethane	50.000	41.948	16.1	78	0.00
7	T	Trichlorofluoromethane	50.000	49.569	0.9	94	0.00
8	T	Diethyl Ether	50.000	48.651	2.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.367	-0.7	97	0.00
10	T	Methyl Iodide	50.000	50.541	-1.1	94	0.00
11	T	Tert butyl alcohol	250.000	238.577	4.6	106	0.00
12	CM	1,1-Dichloroethene	50.000	49.568	0.9#	96	0.00
13	T	Acrolein	250.000	271.255	-8.5	107	0.00
14	T	Allyl chloride	50.000	51.691	-3.4	100	0.00
15	T	Acrylonitrile	250.000	255.479	-2.2	99	0.00
16	T	Acetone	250.000	242.877	2.8	100	0.00
17	T	Carbon Disulfide	50.000	49.952	0.1	97	0.00
18	T	Methyl Acetate	50.000	50.312	-0.6	101	0.00
19	T	Methyl tert-butyl Ether	50.000	53.114	-6.2	103	0.00
20	T	Methylene Chloride	50.000	49.639	0.7	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.172	-2.3	97	0.00
22	T	Diisopropyl ether	50.000	53.955	-7.9	103	0.00
23	T	Vinyl Acetate	250.000	282.313	-12.9	105	0.00
24	P	1,1-Dichloroethane	50.000	51.190	-2.4	101	0.00
25	T	2-Butanone	250.000	264.040	-5.6	100	0.00
26	T	2,2-Dichloropropane	50.000	49.401	1.2	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.606	-3.2	100	0.00
28	T	Bromochloromethane	50.000	50.399	-0.8	98	0.00
29	T	Tetrahydrofuran	250.000	258.277	-3.3	102	0.00
30	C	Chloroform	50.000	50.236	-0.5#	98	0.00
31	T	Cyclohexane	50.000	50.158	-0.3	96	0.00
32	T	1,1,1-Trichloroethane	50.000	50.939	-1.9	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.297	-0.6	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	50.841	-1.7	103	0.00
36	T	1,1-Dichloropropene	50.000	48.770	2.5	95	0.00
37	T	Ethyl Acetate	50.000	51.596	-3.2	100	0.00
38	T	Carbon Tetrachloride	50.000	49.425	1.2	98	0.00
39	T	Methylcyclohexane	50.000	51.169	-2.3	95	0.00
40	TM	Benzene	50.000	51.195	-2.4	98	0.00
41	T	Methacrylonitrile	50.000	53.352	-6.7	99	0.00
42	TM	1,2-Dichloroethane	50.000	50.718	-1.4	99	0.00
43	T	Isopropyl Acetate	50.000	54.452	-8.9	102	0.00
44	TM	Trichloroethene	50.000	48.924	2.2	97	0.00
45	C	1,2-Dichloropropane	50.000	51.086	-2.2#	102	0.00
46	T	Dibromomethane	50.000	51.661	-3.3	100	0.00
47	T	Bromodichloromethane	50.000	50.930	-1.9	99	0.00
48	T	Methyl methacrylate	50.000	54.016	-8.0	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	1049.007	-4.9	102	0.00
50	S	Toluene-d8	50.000	50.364	-0.7	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.995	-4.0	99	0.00
52	CM	Toluene	50.000	51.020	-2.0#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	54.247	-8.5	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.732	-5.5	98	0.00
55	T	1,1,2-Trichloroethane	50.000	50.232	-0.5	98	0.00
56	T	Ethyl methacrylate	50.000	54.109	-8.2	100	0.00
57	T	1,3-Dichloropropane	50.000	51.312	-2.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	275.557	-10.2	100	0.00
59	T	2-Hexanone	250.000	265.049	-6.0	100	0.00
60	T	Dibromochloromethane	50.000	51.374	-2.7	97	0.00
61	T	1,2-Dibromoethane	50.000	51.492	-3.0	100	0.00
62	S	4-Bromofluorobenzene	50.000	49.240	1.5	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	50.126	-0.3	96	0.00
65	PM	Chlorobenzene	50.000	50.580	-1.2	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.102	-2.2	99	0.00
67	C	Ethyl Benzene	50.000	51.621	-3.2#	95	0.00
68	T	m/p-Xylenes	100.000	103.454	-3.5	94	0.00
69	T	o-Xylene	50.000	50.668	-1.3	95	0.00
70	T	Styrene	50.000	52.177	-4.4	95	0.00
71	P	Bromoform	50.000	52.636	-5.3	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	51.589	-3.2	95	0.00
74	T	N-amyl acetate	50.000	56.851	-13.7	103	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.741	-1.5	100	0.00
76	T	1,2,3-Trichloropropane	50.000	49.940	0.1	99	0.00
77	T	Bromobenzene	50.000	50.360	-0.7	96	0.00
78	T	n-propylbenzene	50.000	52.203	-4.4	93	0.00
79	T	2-Chlorotoluene	50.000	49.338	1.3	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.544	-3.1	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.757	-1.5	99	0.00
82	T	4-Chlorotoluene	50.000	51.009	-2.0	94	0.00
83	T	tert-Butylbenzene	50.000	50.552	-1.1	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.932	-3.9	95	0.00
85	T	sec-Butylbenzene	50.000	52.703	-5.4	95	0.00
86	T	p-Isopropyltoluene	50.000	52.803	-5.6	94	0.00
87	T	1,3-Dichlorobenzene	50.000	50.372	-0.7	97	0.00
88	T	1,4-Dichlorobenzene	50.000	50.097	-0.2	96	0.00
89	T	n-Butylbenzene	50.000	54.662	-9.3	95	0.00
90	T	Hexachloroethane	50.000	51.866	-3.7	95	0.00
91	T	1,2-Dichlorobenzene	50.000	50.899	-1.8	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.199	-6.4	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.834	-9.7	99	0.00
94	T	Hexachlorobutadiene	50.000	50.032	-0.1	96	0.00
95	T	Naphthalene	50.000	55.163	-10.3	99	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	54.049	-8.1	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

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

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.493	0.416	0.447	0.440	0.429	0.529	0.459	9.4
Chloromethane	0.694	0.588	0.617	0.608	0.580	0.793	0.647	12.7
Vinyl Chloride	0.762	0.639	0.691	0.706	0.665	0.778	0.707	7.7
Bromomethane	0.555	0.450	0.468	0.483	0.468	0.641	0.511	14.4
Chloroethane	0.505	0.427	0.460	0.458	0.432	0.521	0.467	8.2
Trichlorofluoromethane	1.050	0.896	0.967	0.963	0.935	1.109	0.987	8
1,1,2-Trichlorotrifluoroethane	0.600	0.507	0.538	0.542	0.525	0.668	0.563	10.7
1,1-Dichloroethene	0.542	0.460	0.506	0.512	0.494	0.566	0.514	7.2
Acetone	0.124	0.091	0.134	0.103	0.095	0.144	0.115	18.9
Carbon Disulfide	1.705	1.425	1.631	1.618	1.546	1.732	1.610	7
Methyl tert-butyl Ether	1.290	1.177	1.366	1.299	1.315	1.364	1.302	5.3
Methyl Acetate	0.253	0.227	0.284	0.245	0.257	0.268	0.256	7.6
Methylene Chloride	0.717	0.538	0.552	0.530	0.507	0.788	0.605	19.4
trans-1,2-Dichloroethene	0.608	0.516	0.564	0.570	0.545	0.648	0.575	8.1
1,1-Dichloroethane	1.124	0.955	1.050	1.035	0.991	1.179	1.056	7.9
Cyclohexane	1.039	0.885	0.941	0.943	0.914	1.216	0.990	12.4
2-Butanone	0.160	0.136	0.181	0.149	0.151	0.180	0.159	11.2
Carbon Tetrachloride	0.627	0.538	0.587	0.595	0.579	0.625	0.592	5.6
cis-1,2-Dichloroethene	0.675	0.592	0.654	0.658	0.639	0.702	0.653	5.6
Bromochloromethane	0.481	0.423	0.467	0.426	0.380	0.478	0.443	9
Chloroform	1.181	0.992	1.087	1.066	1.029	1.222	1.096	8.1
1,1,1-Trichloroethane	1.063	0.894	0.978	0.983	0.953	1.151	1.004	9
Methylcyclohexane	0.595	0.550	0.651	0.680	0.669	0.641	0.631	7.8
Benzene	1.554	1.366	1.542	1.540	1.473	1.618	1.515	5.7
1,2-Dichloroethane	0.446	0.386	0.436	0.414	0.408	0.453	0.424	6.1
Trichloroethene	0.390	0.349	0.381	0.384	0.378	0.415	0.383	5.5
1,2-Dichloropropane	0.371	0.333	0.368	0.358	0.347	0.388	0.361	5.3
Bromodichloromethane	0.550	0.485	0.548	0.535	0.521	0.559	0.533	5
4-Methyl-2-Pentanone	0.210	0.202	0.263	0.230	0.243	0.219	0.228	9.9
Toluene	0.952	0.853	0.988	0.997	0.958	0.983	0.955	5.6

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

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

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.447	0.420	0.499	0.495	0.495	0.461	0.470	6.8
cis-1,3-Dichloropropene	0.544	0.498	0.587	0.579	0.566	0.570	0.557	5.8
1,1,2-Trichloroethane	0.264	0.237	0.283	0.259	0.257	0.274	0.263	6
2-Hexanone	0.135	0.129	0.182	0.156	0.163	0.139	0.151	13.1
Dibromochloromethane	0.358	0.327	0.376	0.363	0.361	0.374	0.360	4.9
1,2-Dibromoethane	0.246	0.226	0.262	0.248	0.247	0.258	0.248	5.1
Tetrachloroethene	0.418	0.370	0.403	0.407	0.393	0.449	0.407	6.5
Chlorobenzene	1.194	1.065	1.186	1.192	1.165	1.283	1.181	5.9
Ethyl Benzene	2.005	1.825	2.135	2.209	2.146	2.115	2.072	6.7
m/p-Xylenes	0.761	0.705	0.822	0.833	0.803	0.797	0.787	6
o-Xylene	0.700	0.635	0.759	0.779	0.754	0.723	0.725	7.2
Styrene	1.133	1.084	1.277	1.306	1.267	1.151	1.203	7.6
Bromoform	0.227	0.213	0.250	0.237	0.238	0.235	0.233	5.3
Isopropylbenzene	3.797	3.468	4.034	4.231	4.124	3.977	3.939	6.9
1,1,2,2-Tetrachloroethane	0.712	0.637	0.727	0.667	0.690	0.737	0.695	5.4
1,3-Dichlorobenzene	1.861	1.640	1.812	1.840	1.822	2.031	1.834	6.8
1,4-Dichlorobenzene	1.820	1.624	1.782	1.783	1.764	1.989	1.794	6.5
1,2-Dichlorobenzene	1.561	1.431	1.588	1.568	1.560	1.723	1.572	5.9
1,2-Dibromo-3-Chloropropane	0.101	0.092	0.108	0.098	0.108	0.117	0.104	8.3
1,2,4-Trichlorobenzene	0.723	0.735	0.908	0.926	0.994	0.864	0.859	12.7
1,2,3-Trichlorobenzene	0.604	0.614	0.775	0.771	0.835	0.734	0.722	13
1,2-Dichloroethane-d4	0.580	0.514	0.482	0.511	0.477	0.606	0.528	10
Dibromofluoromethane	0.348	0.315	0.296	0.332	0.311	0.371	0.329	8.3
Toluene-d8	1.276	1.179	1.135	1.289	1.203	1.384	1.244	7.2
4-Bromofluorobenzene	0.424	0.394	0.386	0.433	0.405	0.498	0.423	9.6

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y030425S.M
Title : SW846 8260
Last Update : Wed Mar 05 12:42:45 2025
Response Via : Initial Calibration

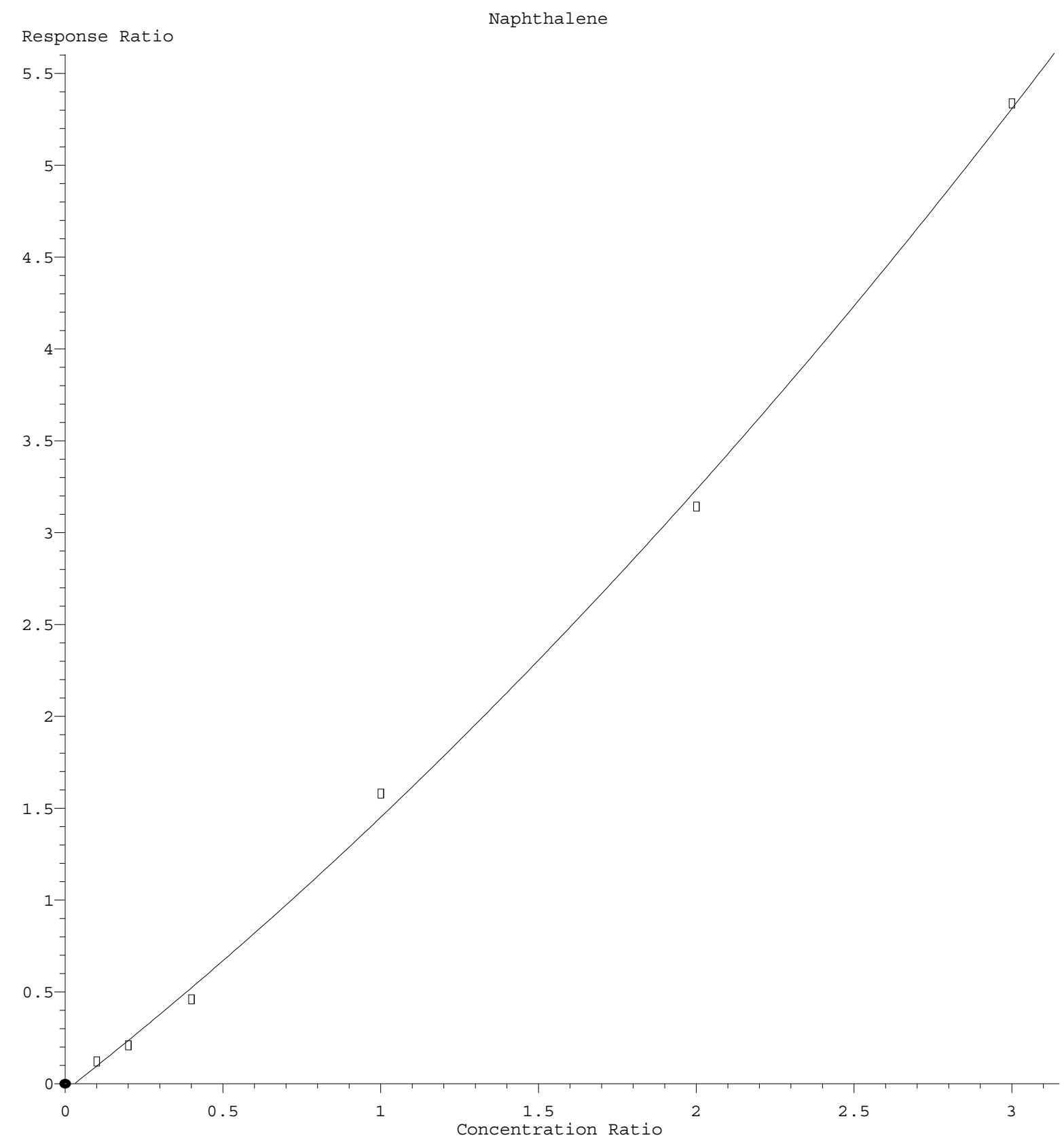
Calibration Files
5 =VY021403.D 10 =VY021397.D 20 =VY021398.D 50 =VY021399.D 100 =VY021400.D 150 =VY021401.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.529	0.493	0.416	0.447	0.440	0.429	0.459	9.38
3)	P	Chloromethane	0.793	0.694	0.588	0.617	0.608	0.580	0.647	12.70
4)	C	Vinyl Chloride	0.778	0.762	0.639	0.691	0.706	0.665	0.707	7.70#
5)	T	Bromomethane	0.641	0.555	0.450	0.468	0.483	0.468	0.511	14.40
6)	T	Chloroethane	0.521	0.505	0.427	0.460	0.458	0.432	0.467	8.21
7)	T	Trichlorofluor...	1.109	1.050	0.896	0.967	0.963	0.935	0.987	7.97
8)	T	Diethyl Ether	0.301	0.280	0.249	0.283	0.264	0.263	0.273	6.77
9)	T	1,1,2-Trichlor...	0.668	0.600	0.507	0.538	0.542	0.525	0.563	10.69
10)	T	Methyl Iodide	0.492	0.562	0.515	0.632	0.628	0.606	0.573	10.39
11)	T	Tert butyl alc...	0.061	0.049	0.036	0.038	0.030	0.033	0.041	28.30
12)	CM	1,1-Dichloroet...	0.566	0.542	0.460	0.506	0.512	0.494	0.514	7.23#
13)	T	Acrolein	0.054	0.051	0.043	0.005	0.004	0.004	0.027	92.94
14)	T	Allyl chloride	0.883	0.851	0.744	0.842	0.847	0.813	0.830	5.72
15)	T	Acrylonitrile	0.122	0.121	0.105	0.125	0.111	0.113	0.116	6.52
16)	T	Acetone	0.144	0.124	0.091	0.134	0.103	0.095	0.115	18.92
17)	T	Carbon Disulfide	1.732	1.705	1.425	1.631	1.618	1.546	1.610	6.95
18)	T	Methyl Acetate	0.268	0.253	0.227	0.284	0.245	0.257	0.256	7.60
19)	T	Methyl tert-bu...	1.364	1.289	1.177	1.366	1.299	1.315	1.302	5.30
20)	T	Methylene Chlo...	0.788	0.717	0.538	0.552	0.530	0.507	0.605	19.37
21)	T	trans-1,2-Dich...	0.648	0.608	0.516	0.564	0.570	0.545	0.575	8.12
22)	T	Diisopropyl ether	1.846	1.824	1.675	1.851	1.798	1.738	1.789	3.87
23)	T	Vinyl Acetate	1.014	0.996	0.937	1.110	1.032	1.035	1.021	5.55
24)	P	1,1-Dichloroet...	1.179	1.124	0.955	1.050	1.035	0.991	1.056	7.88
25)	T	2-Butanone	0.180	0.160	0.136	0.181	0.149	0.151	0.159	11.20
26)	T	2,2-Dichloropr...	1.106	1.043	0.860	0.938	0.955	0.926	0.971	9.11
27)	T	cis-1,2-Dichlo...	0.702	0.675	0.592	0.654	0.658	0.639	0.653	5.64
28)	T	Bromochloromet...	0.478	0.481	0.423	0.467	0.426	0.380	0.443	8.99
29)	T	Tetrahydrofuran	0.104	0.096	0.089	0.111	0.094	0.098	0.098	7.69
30)	C	Chloroform	1.222	1.181	0.992	1.087	1.066	1.029	1.096	8.11#
31)	T	Cyclohexane	1.216	1.039	0.885	0.941	0.943	0.914	0.990	12.38
32)	T	1,1,1-Trichlor...	1.151	1.063	0.894	0.978	0.983	0.953	1.004	9.02
33)	S	1,2-Dichloroet...	0.606	0.580	0.514	0.482	0.511	0.477	0.528	9.98
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.371	0.348	0.315	0.296	0.332	0.311	0.329	8.31
36)	T	1,1-Dichloropr...	0.549	0.528	0.462	0.518	0.525	0.504	0.514	5.73
37)	T	Ethyl Acetate	0.242	0.225	0.206	0.248	0.220	0.225	0.227	6.72
38)	T	Carbon Tetrach...	0.625	0.627	0.538	0.587	0.595	0.579	0.592	5.56
39)	T	Methylcyclohexane	0.641	0.595	0.550	0.651	0.680	0.669	0.631	7.84
40)	TM	Benzene	1.618	1.554	1.366	1.542	1.540	1.473	1.515	5.71
41)	T	Methacrylonitrile	0.122	0.132	0.104	0.131	0.129	0.124	0.124	8.53
42)	TM	1,2-Dichloroet...	0.453	0.446	0.386	0.436	0.414	0.408	0.424	6.07
43)	T	Isopropyl Acetate	0.456	0.421	0.386	0.483	0.442	0.461	0.441	7.75
44)	TM	Trichloroethene	0.415	0.390	0.349	0.381	0.384	0.378	0.383	5.51
45)	C	1,2-Dichloropr...	0.388	0.371	0.333	0.368	0.358	0.347	0.361	5.33#
46)	T	Dibromomethane	0.208	0.202	0.185	0.212	0.198	0.198	0.201	4.75
47)	T	Bromodichlorom...	0.559	0.550	0.485	0.548	0.535	0.521	0.533	5.05
48)	T	Methyl methacr...	0.187	0.183	0.184	0.229	0.212	0.222	0.203	10.14
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	10.05
50)	S	Toluene-d8	1.384	1.276	1.179	1.135	1.289	1.203	1.244	7.24
51)	T	4-Methyl-2-Pen...	0.219	0.210	0.202	0.263	0.230	0.243	0.228	9.85
52)	CM	Toluene	0.983	0.952	0.853	0.988	0.997	0.958	0.955	5.56#
53)	T	t-1,3-Dichloro...	0.461	0.447	0.420	0.499	0.495	0.495	0.470	6.82
54)	T	cis-1,3-Dichlo...	0.570	0.544	0.498	0.587	0.579	0.566	0.557	5.84
55)	T	1,1,2-Trichlor...	0.274	0.264	0.237	0.283	0.259	0.257	0.263	5.99
56)	T	Ethyl methacry...	0.291	0.293	0.289	0.383	0.367	0.386	0.335	14.50

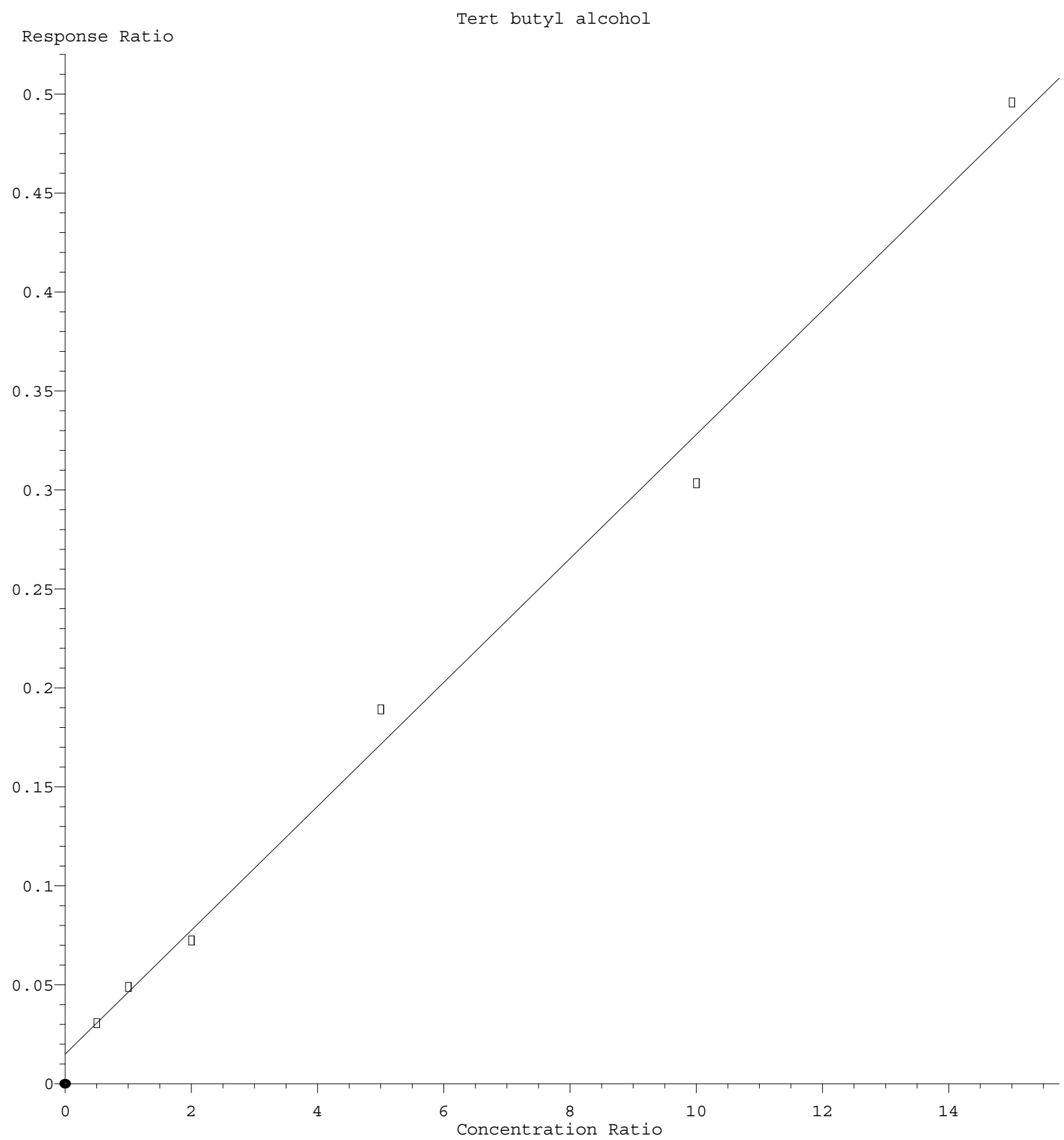
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y030425S.M

57)	T	1,3-Dichloropr...	0.465	0.462	0.421	0.478	0.452	0.451	0.455	4.24
58)	T	2-Chloroethyl ...	0.136	0.135	0.139	0.174	0.162	0.181	0.155	13.30
59)	T	2-Hexanone	0.139	0.135	0.129	0.182	0.156	0.163	0.151	13.15
60)	T	Dibromochlorom...	0.374	0.358	0.327	0.376	0.363	0.361	0.360	4.92
61)	T	1,2-Dibromoethane	0.258	0.246	0.226	0.262	0.248	0.247	0.248	5.07
62)	S	4-Bromofluorob...	0.498	0.424	0.394	0.386	0.433	0.405	0.423	9.60
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.449	0.418	0.370	0.403	0.407	0.393	0.407	6.47
65)	PM	Chlorobenzene	1.283	1.194	1.065	1.186	1.192	1.165	1.181	5.93
66)	T	1,1,1,2-Tetrac...	0.449	0.420	0.377	0.421	0.423	0.414	0.417	5.61
67)	C	Ethyl Benzene	2.115	2.005	1.825	2.135	2.209	2.146	2.072	6.67#
68)	T	m/p-Xylenes	0.797	0.761	0.705	0.822	0.833	0.803	0.787	5.97
69)	T	o-Xylene	0.723	0.700	0.635	0.759	0.779	0.754	0.725	7.20
70)	T	Styrene	1.151	1.133	1.084	1.277	1.306	1.267	1.203	7.61
71)	P	Bromoform	0.235	0.227	0.213	0.250	0.237	0.238	0.233	5.28
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.977	3.797	3.468	4.034	4.231	4.124	3.939	6.93
74)	T	N-amyl acetate	0.765	0.746	0.743	0.950	0.925	1.003	0.855	13.67
75)	P	1,1,2,2-Tetrac...	0.737	0.712	0.637	0.727	0.667	0.690	0.695	5.44
76)	T	1,2,3-Trichlor...	0.627	0.523	0.430	0.491	0.488	0.464	0.504	13.47
77)	T	Bromobenzene	0.982	0.928	0.823	0.926	0.936	0.933	0.921	5.67
78)	T	n-propylbenzene	4.979	4.605	4.262	4.905	5.046	4.904	4.783	6.20
79)	T	2-Chlorotoluene	2.922	2.707	2.449	2.741	2.824	2.768	2.735	5.82
80)	T	1,3,5-Trimethy...	3.307	3.096	2.895	3.256	3.373	3.277	3.201	5.49
81)	T	trans-1,4-Dich...	0.213	0.214	0.193	0.238	0.229	0.243	0.222	8.31
82)	T	4-Chlorotoluene	2.991	2.866	2.534	2.849	2.931	2.824	2.832	5.59
83)	T	tert-Butylbenzene	2.890	2.771	2.493	2.924	3.096	2.959	2.855	7.23
84)	T	1,2,4-Trimethy...	3.241	3.006	2.901	3.274	3.353	3.294	3.178	5.70
85)	T	sec-Butylbenzene	4.457	3.977	3.848	4.358	4.471	4.380	4.248	6.29
86)	T	p-Isopropyltol...	3.547	3.237	3.132	3.591	3.761	3.732	3.500	7.42
87)	T	1,3-Dichlorobe...	2.031	1.861	1.640	1.812	1.840	1.822	1.834	6.80
88)	T	1,4-Dichlorobe...	1.989	1.820	1.624	1.782	1.783	1.764	1.794	6.54
89)	T	n-Butylbenzene	3.269	2.837	2.867	3.387	3.535	3.497	3.232	9.55
90)	T	Hexachloroethane	0.840	0.746	0.649	0.729	0.759	0.757	0.747	8.24
91)	T	1,2-Dichlorobe...	1.723	1.561	1.431	1.588	1.568	1.560	1.572	5.92
92)	T	1,2-Dibromo-3-...	0.117	0.101	0.092	0.108	0.098	0.108	0.104	8.28
93)	T	1,2,4-Trichlor...	0.864	0.723	0.735	0.908	0.926	0.994	0.859	12.66
94)	T	Hexachlorobuta...	0.581	0.469	0.480	0.551	0.567	0.582	0.538	9.41
95)	T	Naphthalene	1.214	1.048	1.148	1.580	1.571	1.779	1.390	21.00
96)	T	1,2,3-Trichlor...	0.734	0.604	0.614	0.775	0.771	0.835	0.722	12.99

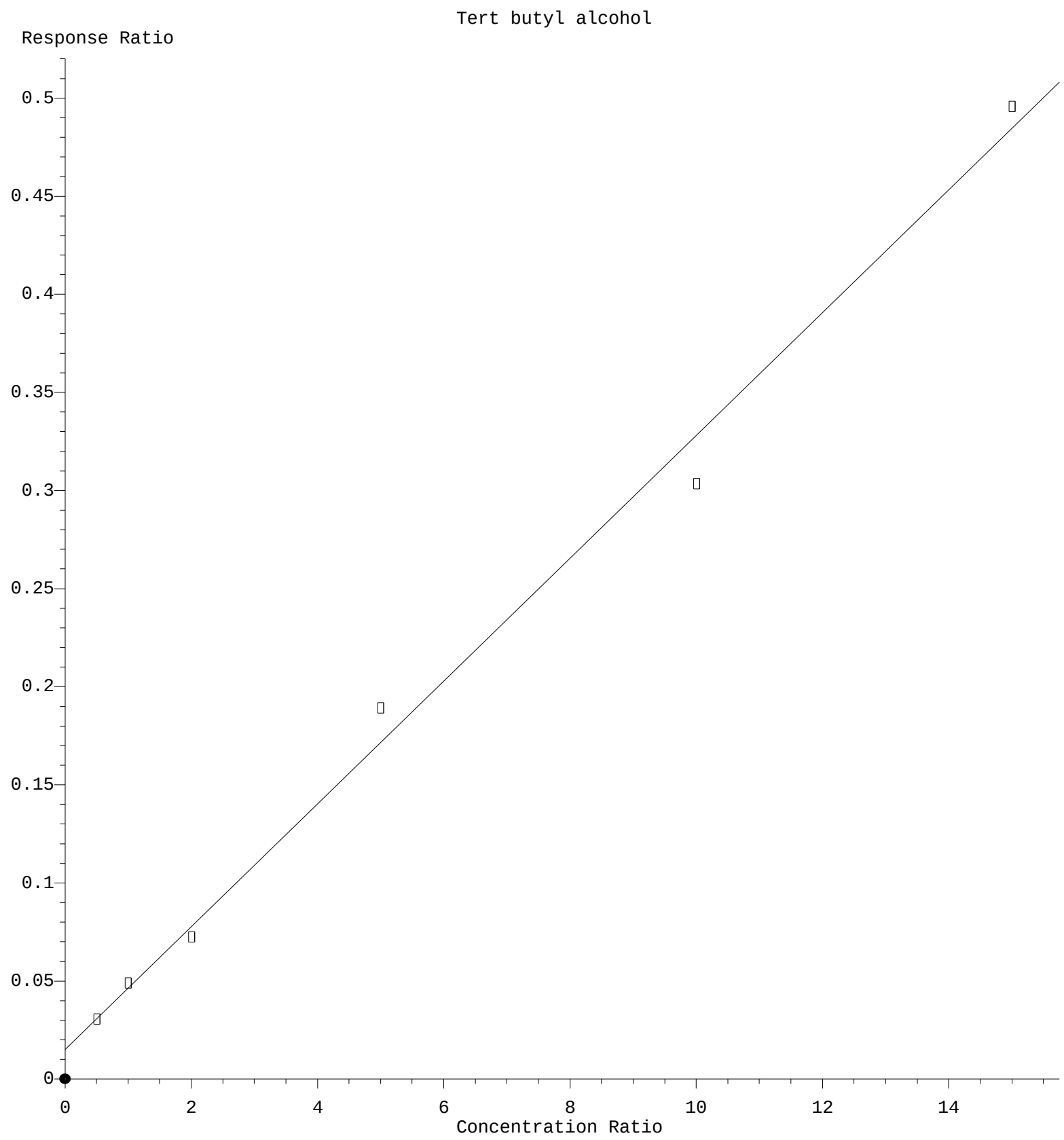
(#) = Out of Range



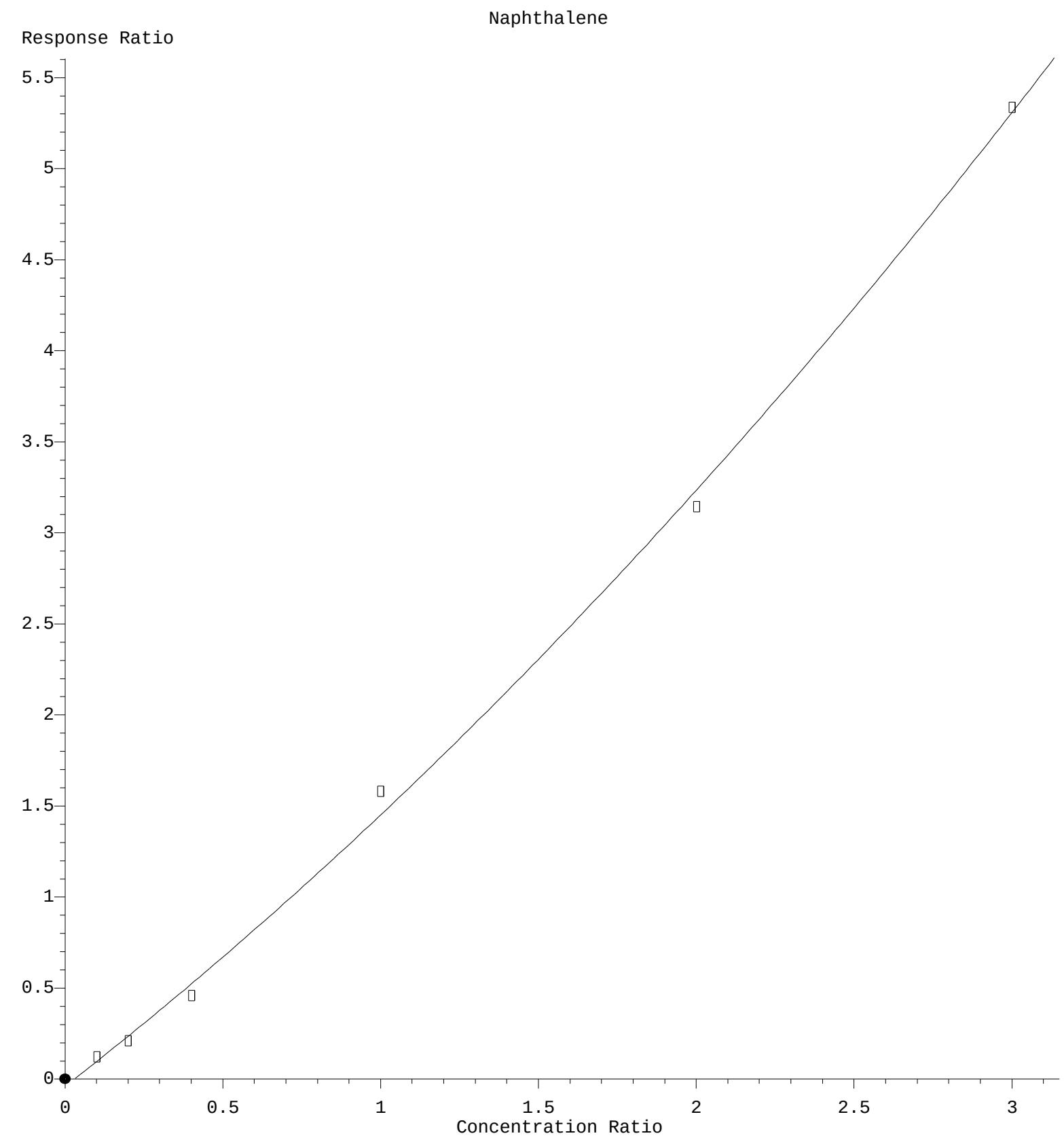
R = 1.461e-001 A*A + 1.344e+000 A - 3.906e-002
Coef of Det (r^2) = 0.998562 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y030425S.M
Calibration Table Last Updated: Wed Mar 05 12:42:45 2025



Response = 3.126e-002 * Amt + 1.549e-002
Coef of Det (r^2) = 0.993493 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y030425S.M
Calibration Table Last Updated: Wed Mar 05 12:42:45 2025



Response = 3.126e-002 * Amt + 1.549e-002
Coef of Det (r^2) = 0.993493 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Calibration Table Last Updated: Wed Mar 05 12:42:45 2025



R = 1.461e-001 A*A + 1.344e+000 A - 3.906e-002
Coef of Det (r^2) = 0.998562 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Calibration Table Last Updated: Wed Mar 05 12:42:45 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021397.D
Acq On : 04 Mar 2025 09:46
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:57:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	210415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	334495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	286225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	24408	10.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.960%#		
35) Dibromofluoromethane	7.640	113	23289	10.592	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.180%#		
50) Toluene-d8	10.109	98	85383	10.256	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.520%#		
62) 4-Bromofluorobenzene	12.407	95	28379	10.022	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.040%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	20733	10.737	ug/l	93
3) Chloromethane	2.074	50	29226	10.736	ug/l	100
4) Vinyl Chloride	2.208	62	32085	10.785	ug/l	95
5) Bromomethane	2.604	94	23372	10.870	ug/l	97
6) Chloroethane	2.744	64	21248	10.808	ug/l	95
7) Trichlorofluoromethane	3.067	101	44207	10.646	ug/l	97
8) Diethyl Ether	3.464	74	11802	10.256	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.823	101	25259	10.654	ug/l	98
10) Methyl Iodide	4.012	142	23638	9.809	ug/l	100
11) Tert butyl alcohol	4.872	59	10292m	53.545	ug/l	
12) 1,1-Dichloroethene	3.805	96	22821	10.558	ug/l	94
13) Acrolein	3.659	56	10792	95.404	ug/l	92
14) Allyl chloride	4.397	41	35815	10.253	ug/l	100
15) Acrylonitrile	5.073	53	25558	52.174	ug/l	99
16) Acetone	3.872	43	26021	53.644	ug/l	98
17) Carbon Disulfide	4.116	76	71755	10.593	ug/l	98
18) Methyl Acetate	4.397	43	10640	9.886	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	54266	9.906	ug/l	99
20) Methylene Chloride	4.622	84	30170	11.849	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	25590	10.572	ug/l	90
22) Diisopropyl ether	6.030	45	76752	10.196	ug/l	96
23) Vinyl Acetate	5.969	43	209626	48.795	ug/l	99
24) 1,1-Dichloroethane	5.921	63	47303	10.647	ug/l	96
25) 2-Butanone	6.902	43	33631	50.121	ug/l	100
26) 2,2-Dichloropropane	6.890	77	43881	10.734	ug/l	100
27) cis-1,2-Dichloroethene	6.908	96	28406	10.330	ug/l	98
28) Bromochloromethane	7.250	49	20230	10.861	ug/l	99
29) Tetrahydrofuran	7.274	42	20096	48.513	ug/l	99
30) Chloroform	7.426	83	49699	10.773	ug/l	96
31) Cyclohexane	7.707	56	43729	10.499	ug/l #	91
32) 1,1,1-Trichloroethane	7.628	97	44743	10.592	ug/l	98
36) 1,1-Dichloropropene	7.841	75	35303	10.258	ug/l	99
37) Ethyl Acetate	6.994	43	15039	9.687	ug/l	99
38) Carbon Tetrachloride	7.823	117	41920	10.591	ug/l	98
39) Methylcyclohexane	9.109	83	39826	9.434	ug/l	94
40) Benzene	8.085	78	103944	10.253	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021397.D
Acq On : 04 Mar 2025 09:46
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Mar 05 02:57:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	8855m	10.472	ug/l		
42) 1,2-Dichloroethane	8.164	62	29851	10.525	ug/l		99
43) Isopropyl Acetate	8.201	43	28138	9.529	ug/l	#	90
44) Trichloroethene	8.871	130	26077	10.179	ug/l		98
45) 1,2-Dichloropropane	9.146	63	24839	10.294	ug/l		96
46) Dibromomethane	9.237	93	13535	10.081	ug/l		99
47) Bromodichloromethane	9.426	83	36777	10.315	ug/l		97
48) Methyl methacrylate	9.225	41	12236	8.937	ug/l		99
49) 1,4-Dioxane	9.249	88	2337	177.344	ug/l	#	87
51) 4-Methyl-2-Pentanone	9.999	43	70235	46.097	ug/l		100
52) Toluene	10.176	92	63716	9.968	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	29928	9.528	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	36383	9.756	ug/l		96
55) 1,1,2-Trichloroethane	10.578	97	17683	10.069	ug/l		96
56) Ethyl methacrylate	10.444	69	19614	8.757	ug/l		99
57) 1,3-Dichloropropane	10.725	76	30899	10.151	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	45096	43.615	ug/l		100
59) 2-Hexanone	10.767	43	45211	44.876	ug/l		96
60) Dibromochloromethane	10.914	129	23922	9.936	ug/l		100
61) 1,2-Dibromoethane	11.017	107	16472	9.938	ug/l		96
64) Tetrachloroethene	10.652	164	23948	10.289	ug/l		97
65) Chlorobenzene	11.444	112	68332	10.110	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.523	131	24052	10.065	ug/l		99
67) Ethyl Benzene	11.523	91	114793	9.676	ug/l		97
68) m/p-Xylenes	11.633	106	87134	19.346	ug/l		98
69) o-Xylene	11.956	106	40080	9.655	ug/l		98
70) Styrene	11.974	104	64841	9.416	ug/l		99
71) Bromoform	12.139	173	12983	9.719	ug/l	#	94
73) Isopropylbenzene	12.261	105	104663	9.639	ug/l		99
74) N-amyl acetate	12.072	43	20573	8.725	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	19638	10.249	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	14405m	10.371	ug/l		
77) Bromobenzene	12.535	156	25588	10.073	ug/l		99
78) n-propylbenzene	12.602	91	126938	9.626	ug/l		99
79) 2-Chlorotoluene	12.682	91	74631	9.898	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	85353	9.673	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	5896	9.650	ug/l		98
82) 4-Chlorotoluene	12.785	91	78997	10.118	ug/l		100
83) tert-Butylbenzene	13.005	119	76394	9.705	ug/l		98
84) 1,2,4-Trimethylbenzene	13.047	105	82865	9.458	ug/l		100
85) sec-Butylbenzene	13.182	105	109643	9.362	ug/l		100
86) p-Isopropyltoluene	13.297	119	89228	9.248	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	51307	10.147	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	50160	10.143	ug/l		97
89) n-Butylbenzene	13.620	91	78217	8.779	ug/l		100
90) Hexachloroethane	13.883	117	20579	9.998	ug/l		96
91) 1,2-Dichlorobenzene	13.663	146	43028	9.929	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	2787	9.710	ug/l		94
93) 1,2,4-Trichlorobenzene	14.925	180	19935	8.422	ug/l		97
94) Hexachlorobutadiene	15.029	225	12923	8.709	ug/l		98
95) Naphthalene	15.151	128	28894	9.071	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	16639	8.358	ug/l		97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021397.D
Acq On : 04 Mar 2025 09:46
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:57:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

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

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

ICAL Form

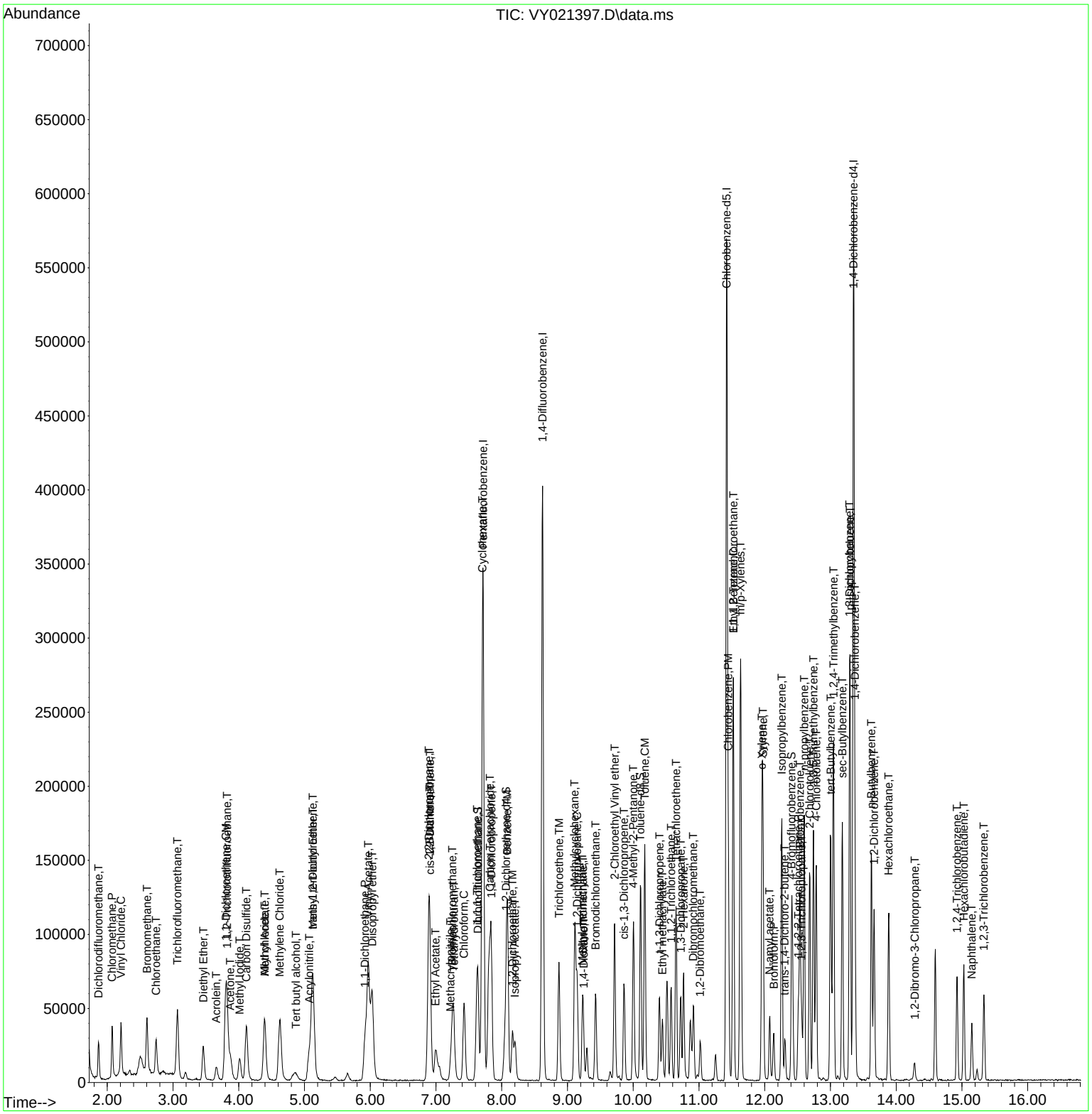
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021397.D
Acq On : 04 Mar 2025 09:46
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

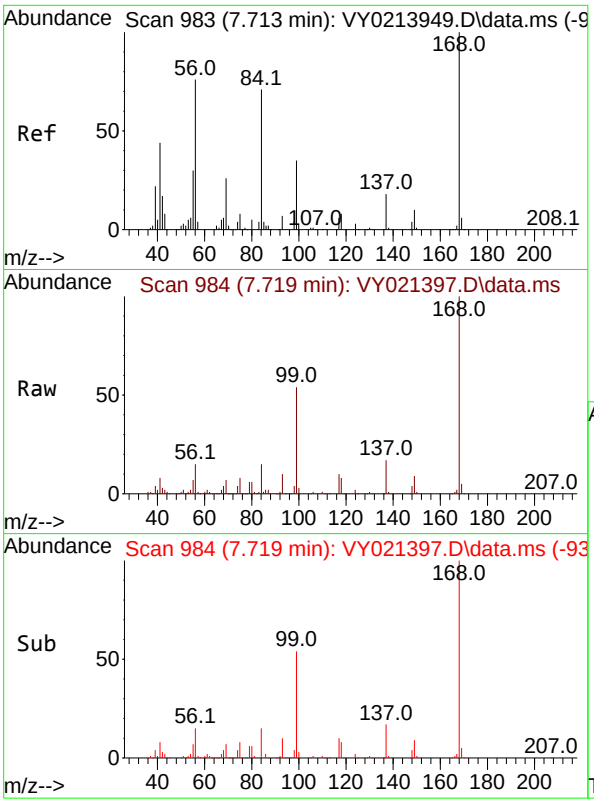
Quant Time: Mar 05 02:57:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

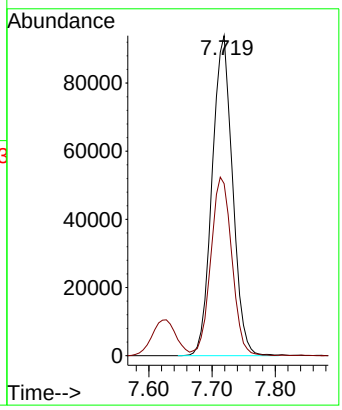




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:168 Resp: 21041

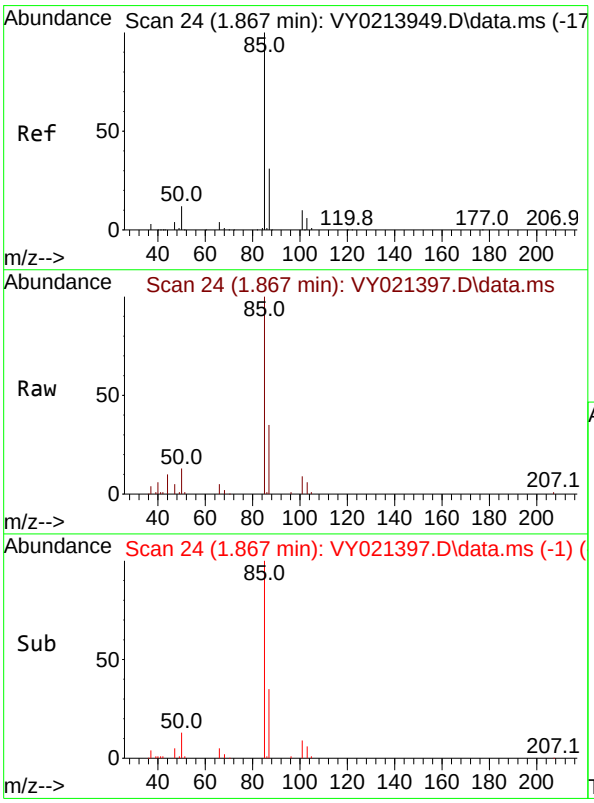
Ion	Ratio	Lower	Upper
168	100		
99	53.7	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

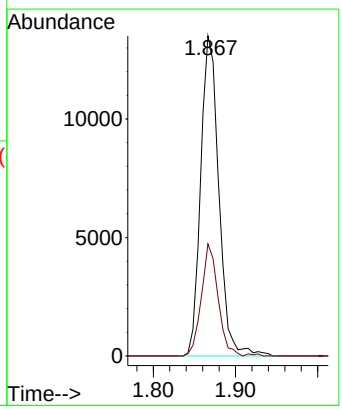
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

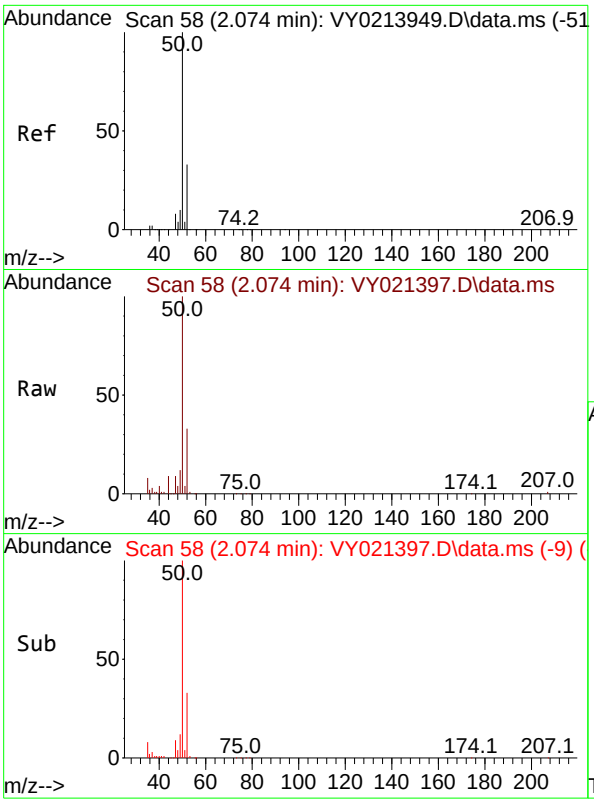


#2
Dichlorodifluoromethane
Concen: 10.737 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 85 Resp: 20733

Ion	Ratio	Lower	Upper
85	100		
87	35.0	15.7	47.0

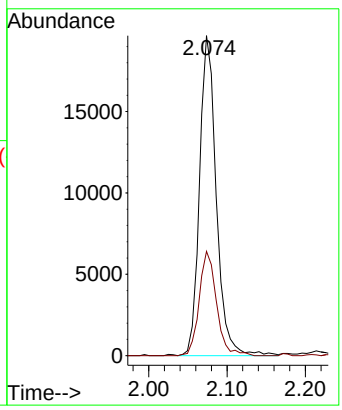




#3
Chloromethane
Concen: 10.736 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 50 Resp: 2922

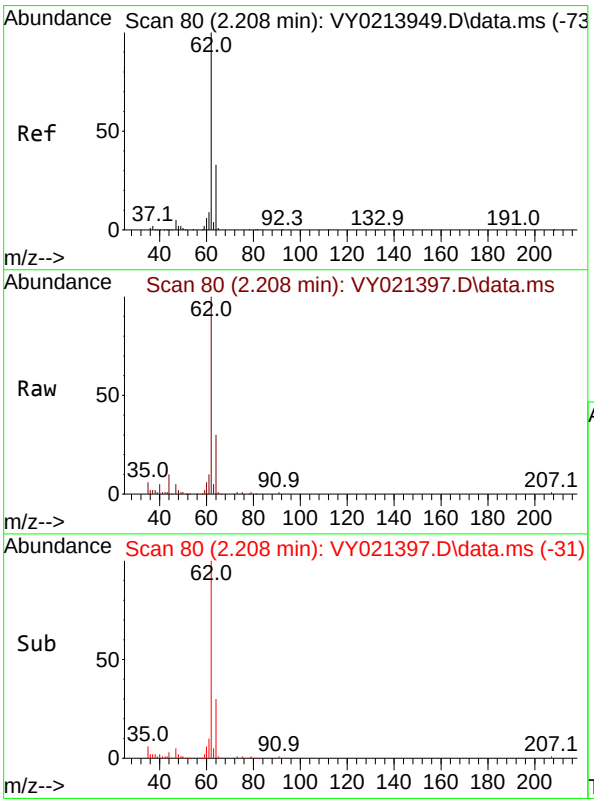
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

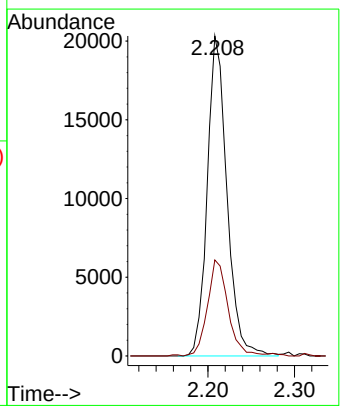
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

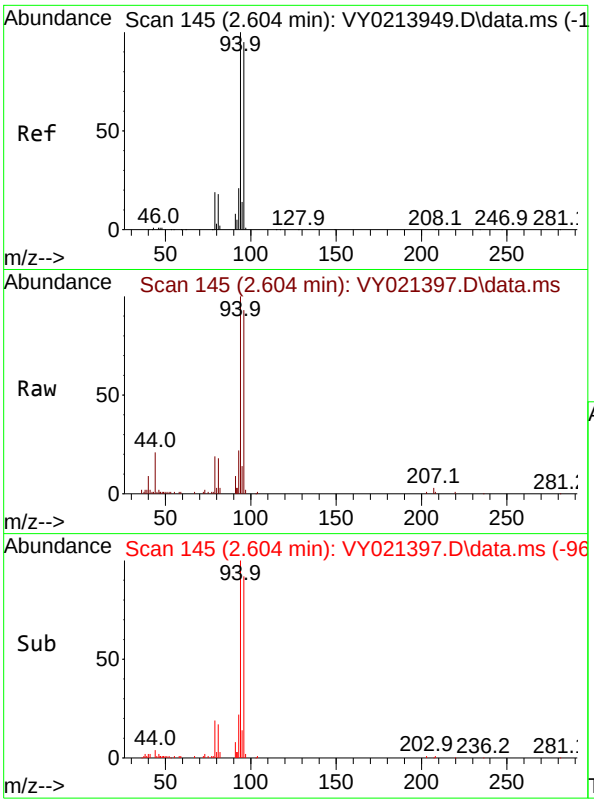


#4
Vinyl Chloride
Concen: 10.785 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 62 Resp: 32085

Ion	Ratio	Lower	Upper
62	100		
64	29.6	26.2	39.2

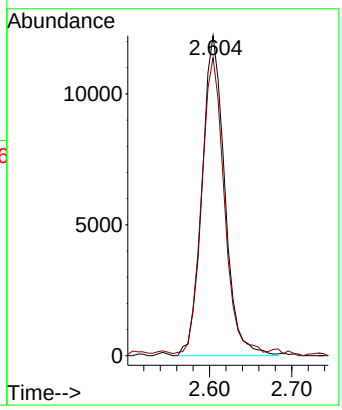




#5
Bromomethane
Concen: 10.870 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 94 Resp: 2337

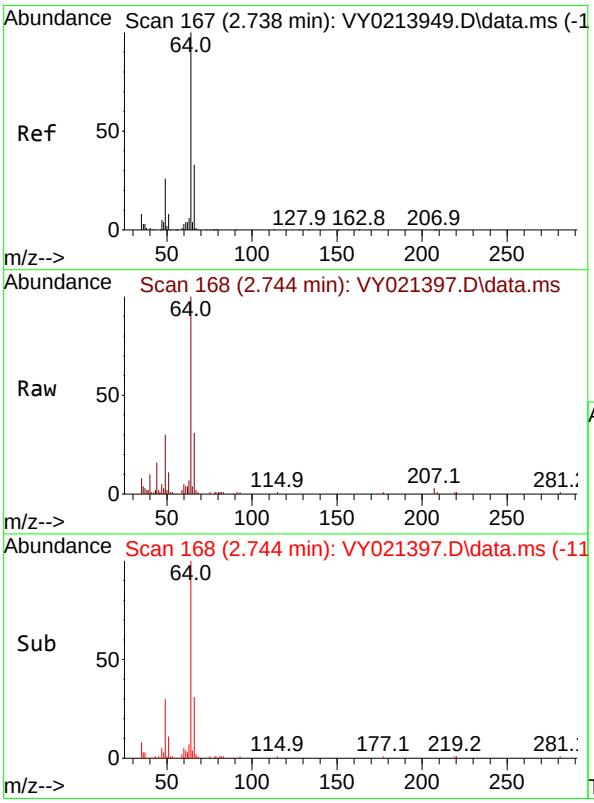
Ion	Ratio	Lower	Upper
94	100		
96	92.1	76.3	114.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

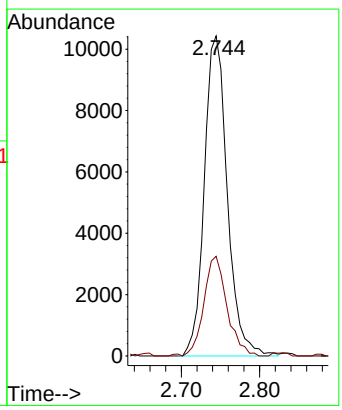
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

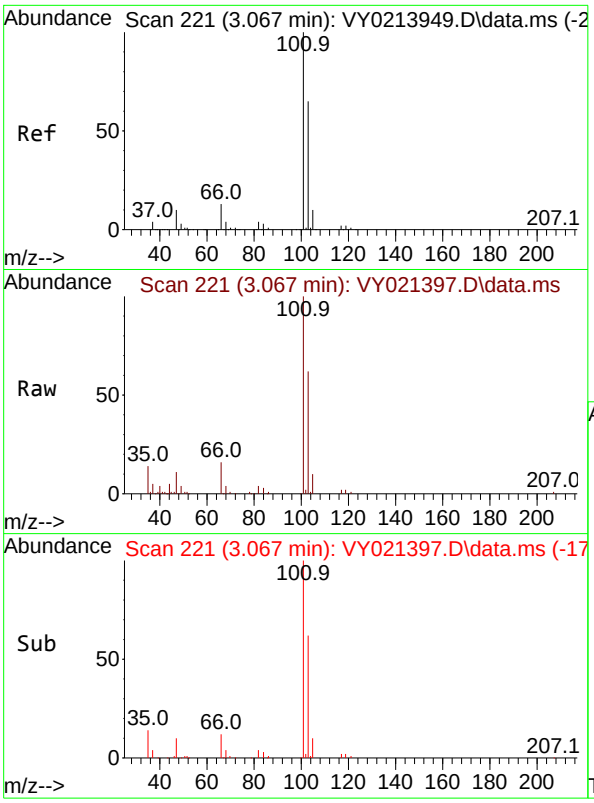


#6
Chloroethane
Concen: 10.808 ug/l
RT: 2.744 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 64 Resp: 21248

Ion	Ratio	Lower	Upper
64	100		
66	30.5	26.7	40.1





#7
Trichlorofluoromethane
Concen: 10.646 ug/l
RT: 3.067 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:101 Resp: 4420

Ion	Ratio	Lower	Upper
101	100		
103	61.9	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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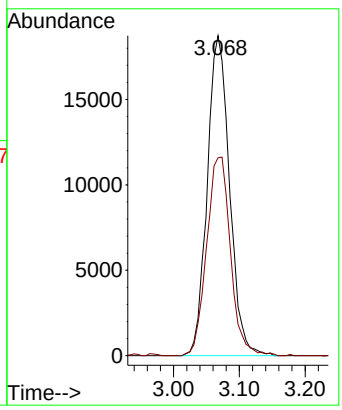
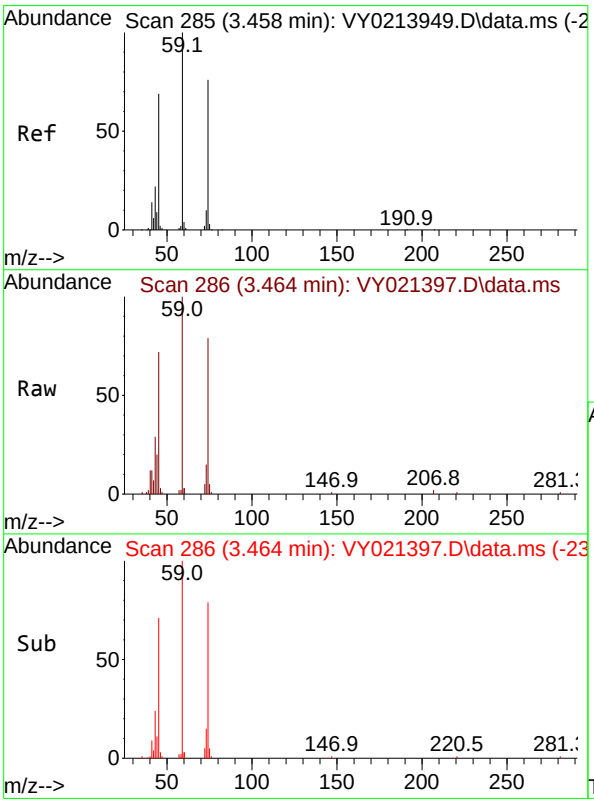
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

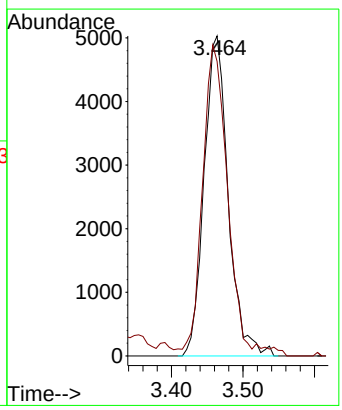


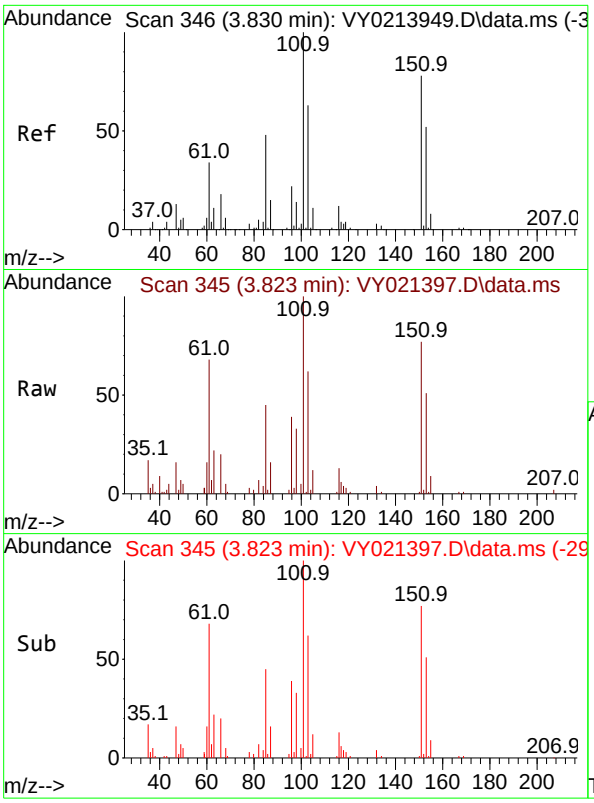


#8
Diethyl Ether
Concen: 10.256 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 74 Resp: 11802

Ion	Ratio	Lower	Upper
74	100		
45	95.1	49.7	149.1

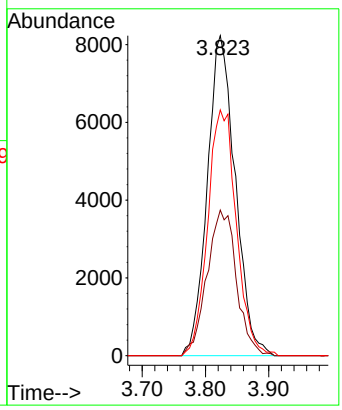




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.654 ug/l
RT: 3.823 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:101 Resp: 2525

Ion	Ratio	Lower	Upper
101	100		
85	47.9	37.1	55.7
151	78.7	62.1	93.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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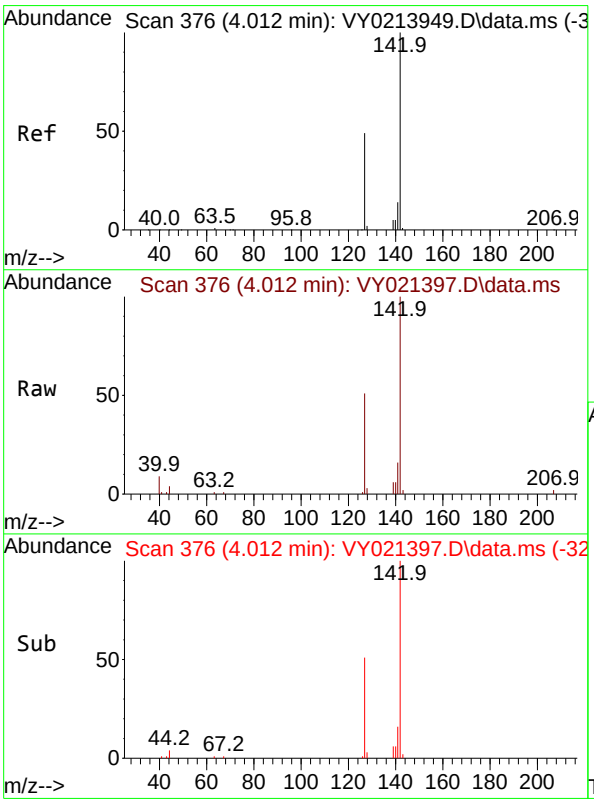
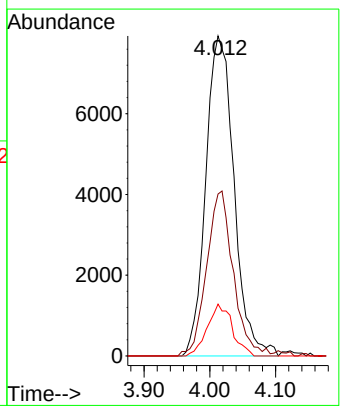
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

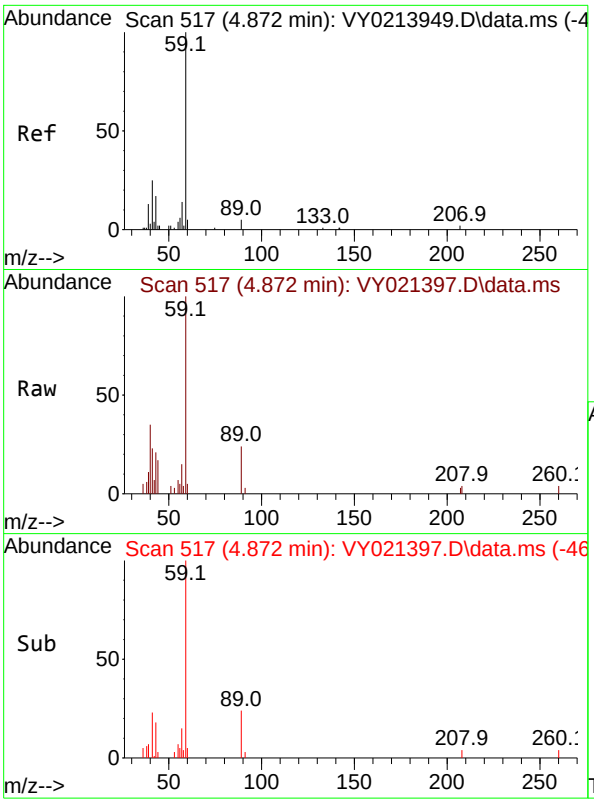


#10
Methyl Iodide
Concen: 9.809 ug/l
RT: 4.012 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:142 Resp: 23638

Ion	Ratio	Lower	Upper
142	100		
127	48.7	39.1	58.7
141	14.3	11.8	17.6

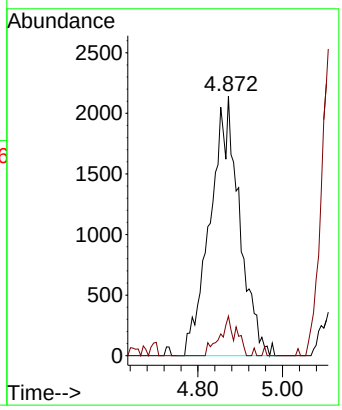




#11
Tert butyl alcohol
Concen: 53.545 ug/l m
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 59 Resp: 1029

Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.2	12.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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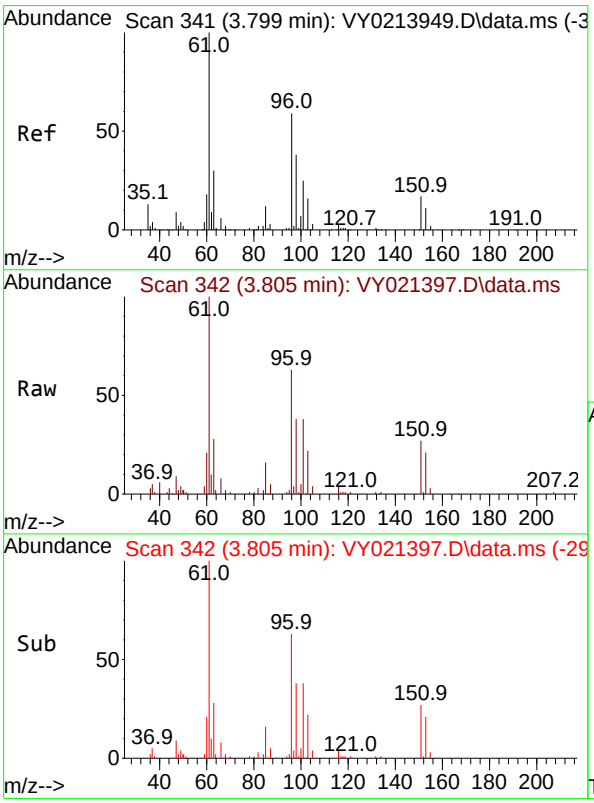
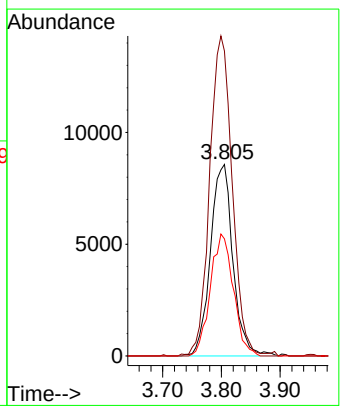
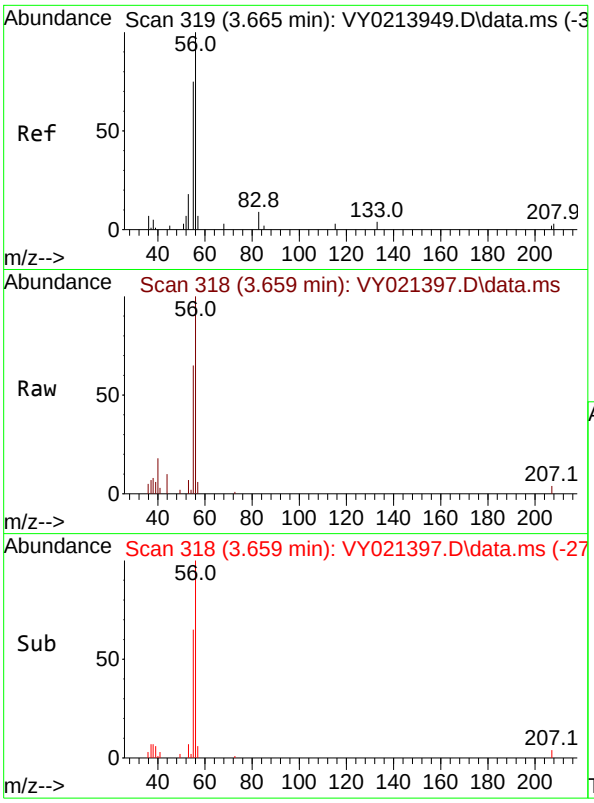


#12
1,1-Dichloroethene
Concen: 10.558 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 96 Resp: 22821

Ion	Ratio	Lower	Upper
96	100		
61	159.2	135.2	202.8
98	61.1	51.4	77.2





#13
Acrolein
Concen: 95.404 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 56 Resp: 1079

Ion	Ratio	Lower	Upper
56	100		
55	72.0	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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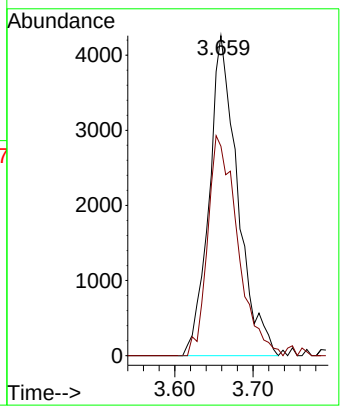
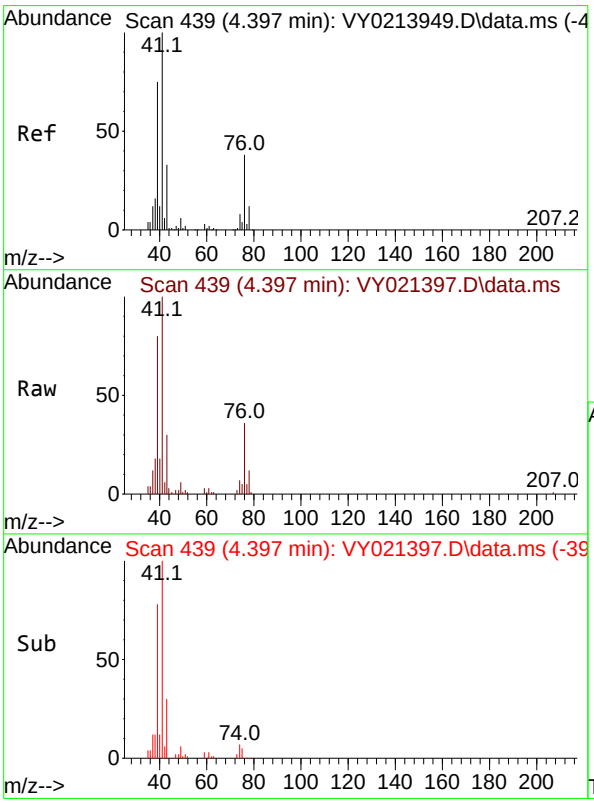
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

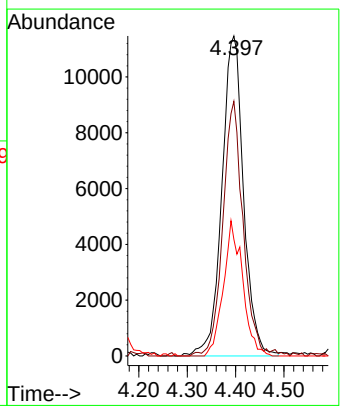


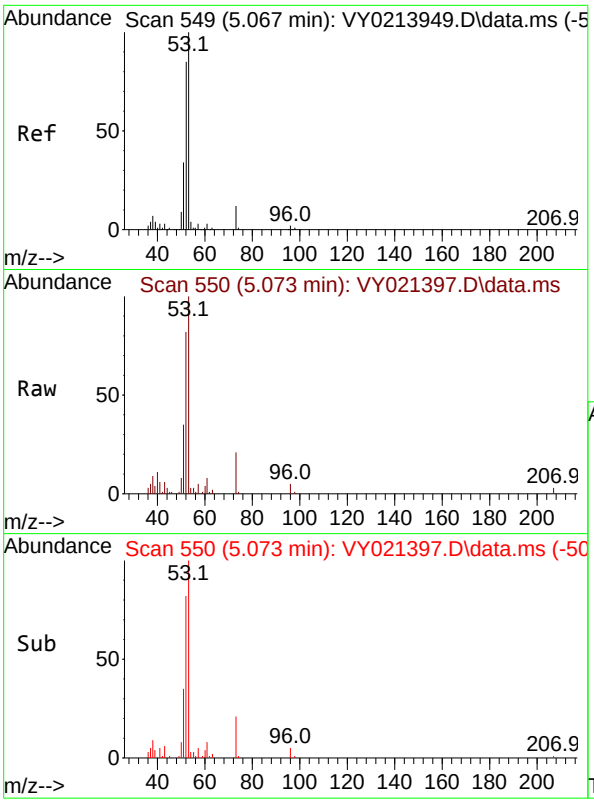


#14
Allyl chloride
Concen: 10.253 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 41 Resp: 35815

Ion	Ratio	Lower	Upper
41	100		
39	74.5	59.3	88.9
76	37.5	29.8	44.8

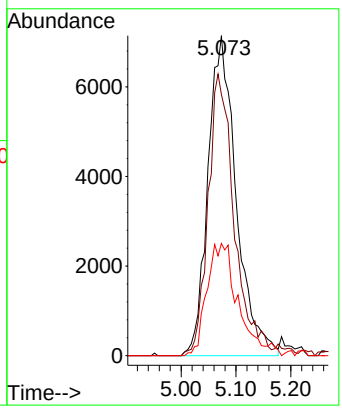




#15
Acrylonitrile
Concen: 52.174 ug/l
RT: 5.073 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 53 Resp: 2555

Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.3	99.5
51	37.6	30.3	45.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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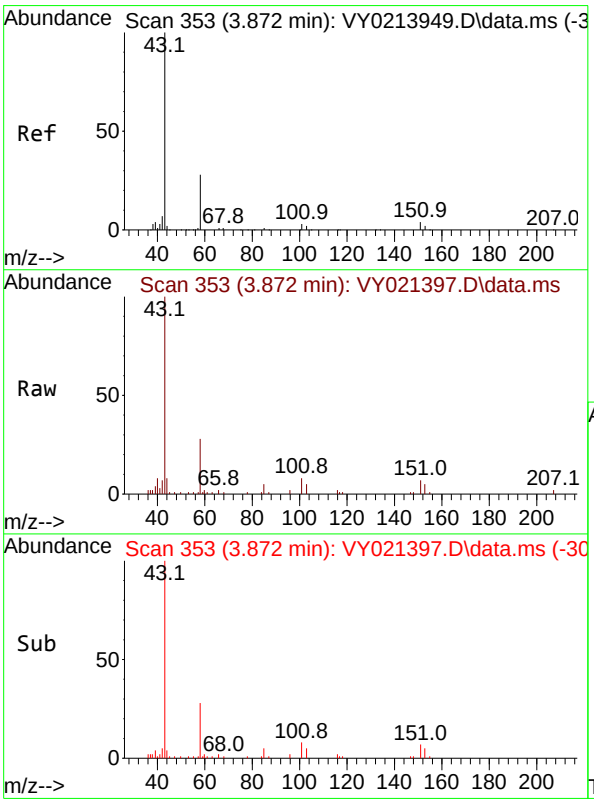
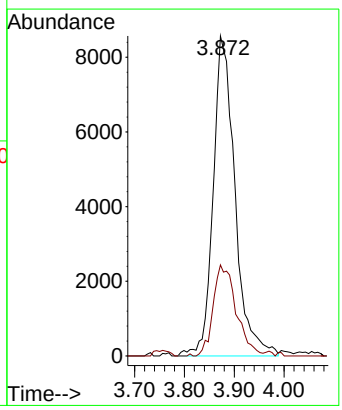
Supervised By :Semsettin Yesilyurt 03/06/2025

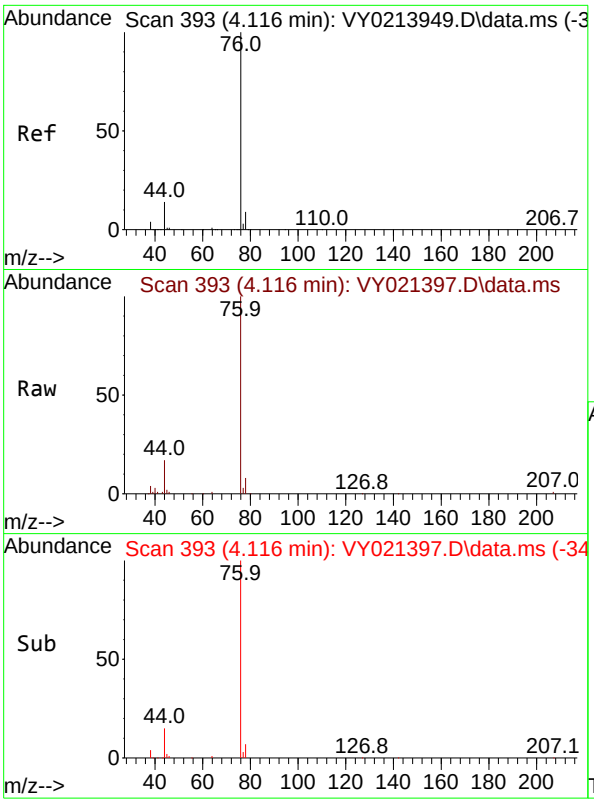


#16
Acetone
Concen: 53.644 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 43 Resp: 26021

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.1	33.1





#17
Carbon Disulfide
Concen: 10.593 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 76 Resp: 7175

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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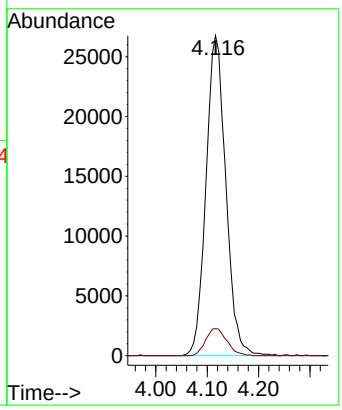
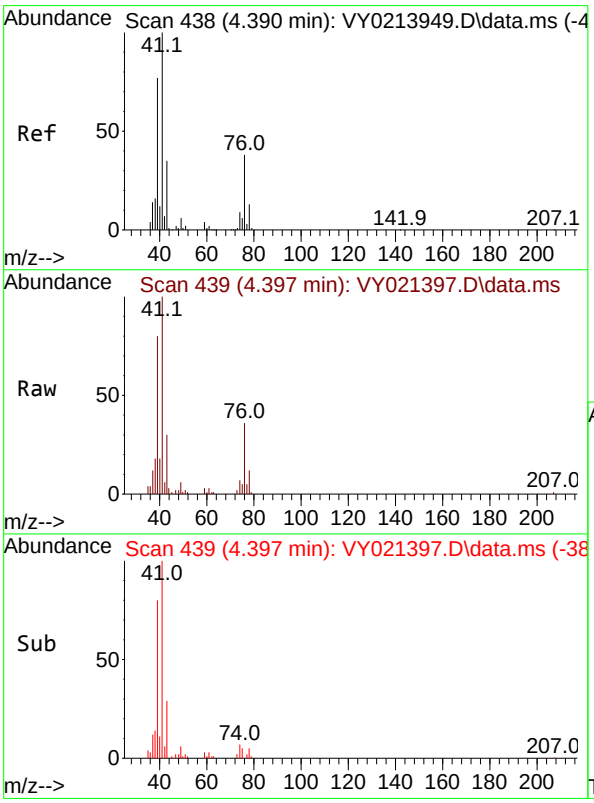
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

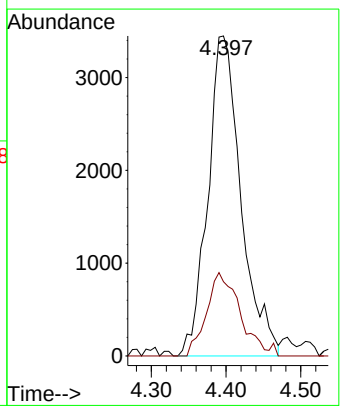


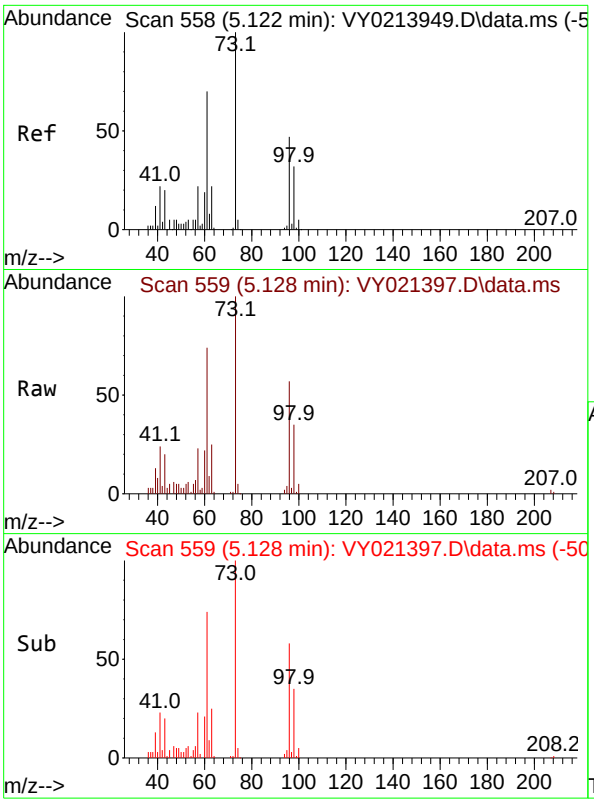


#18
Methyl Acetate
Concen: 9.886 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 43 Resp: 10640

Ion	Ratio	Lower	Upper
43	100		
74	26.6	19.4	29.0

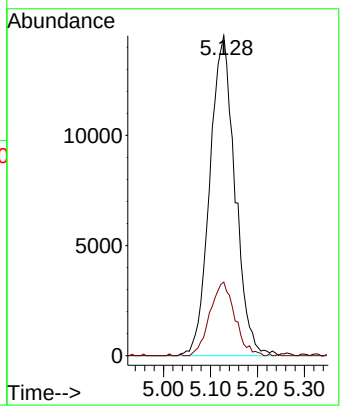




#19
Methyl tert-butyl Ether
Concen: 9.906 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 73 Resp: 5426

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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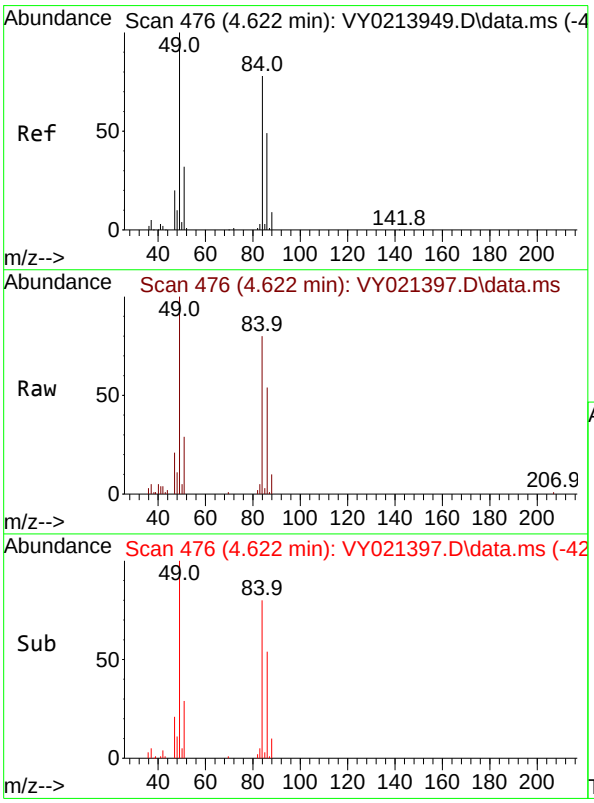
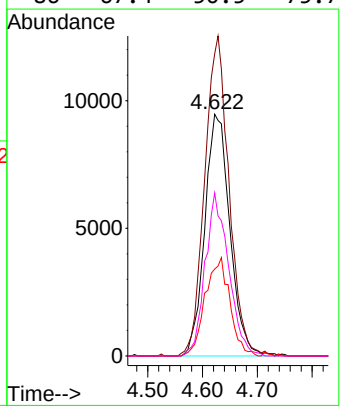
Supervised By :Semsettin Yesilyurt 03/06/2025

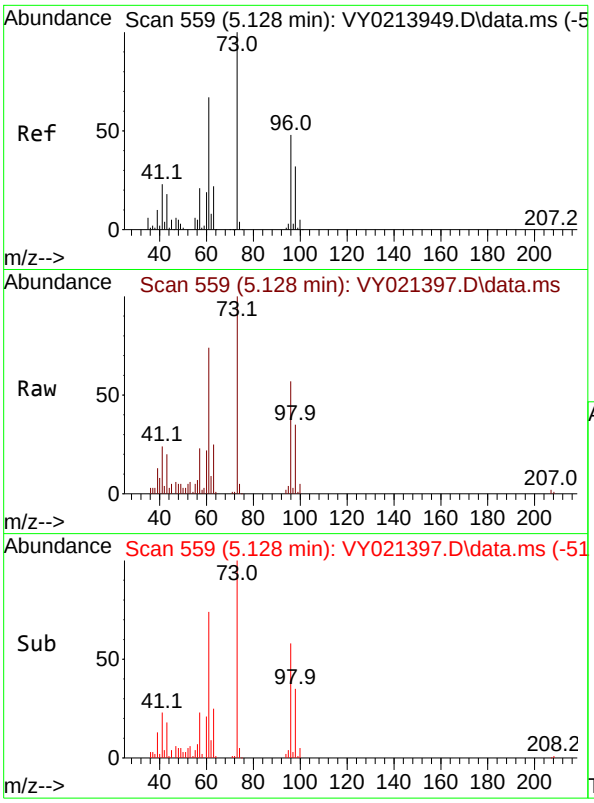


#20
Methylene Chloride
Concen: 11.849 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 84 Resp: 30170

Ion	Ratio	Lower	Upper
84	100		
49	124.9	102.0	153.0
51	35.9	33.0	49.6
86	67.4	50.5	75.7

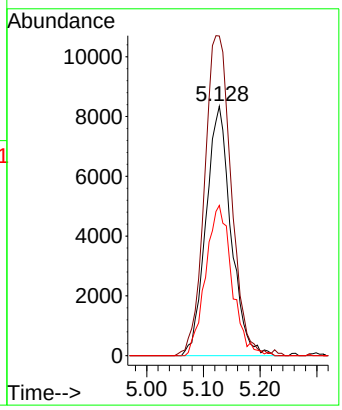




#21
trans-1,2-Dichloroethene
Concen: 10.572 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 96 Resp: 2559

Ion	Ratio	Lower	Upper
96	100		
61	127.3	111.5	167.3
98	60.2	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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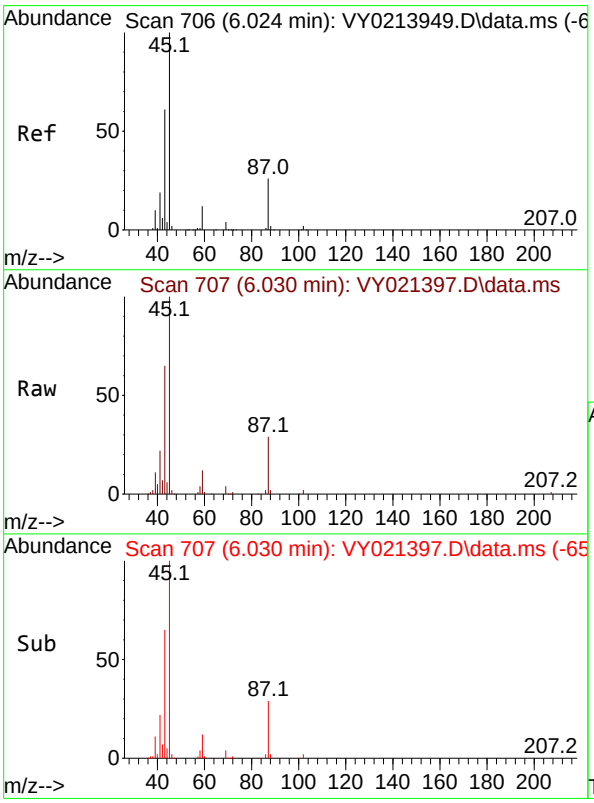
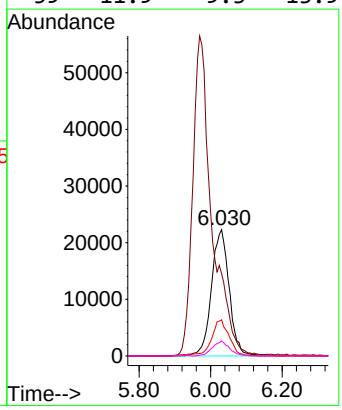
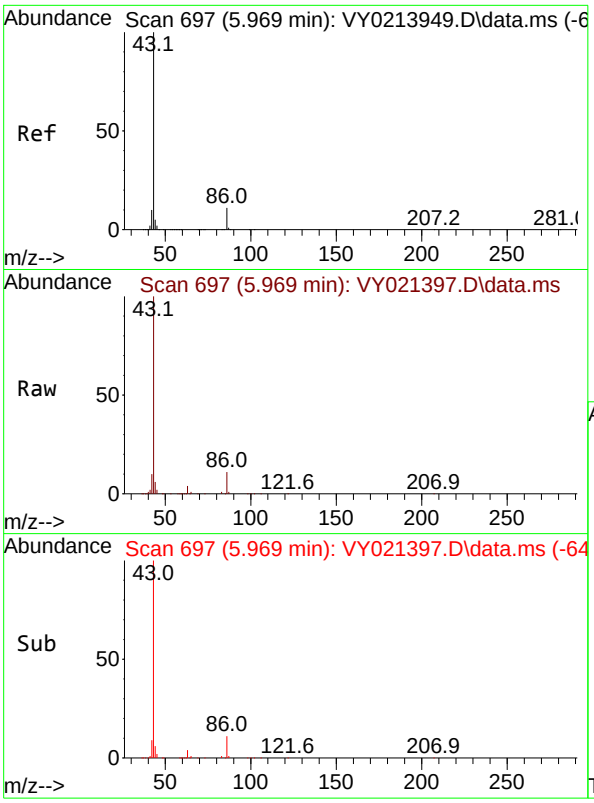


#22
Diisopropyl ether
Concen: 10.196 ug/l
RT: 6.030 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 45 Resp: 76752

Ion	Ratio	Lower	Upper
45	100		
43	64.4	48.7	73.1
87	28.6	21.5	32.3
59	11.9	9.3	13.9





#23
Vinyl Acetate
Concen: 48.795 ug/l
RT: 5.969 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 43 Resp: 20962

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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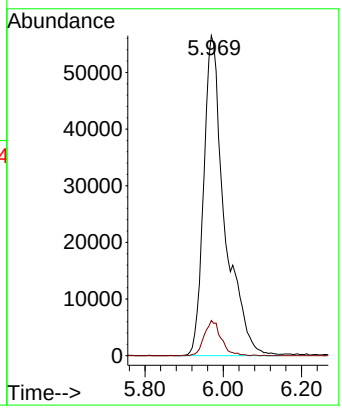
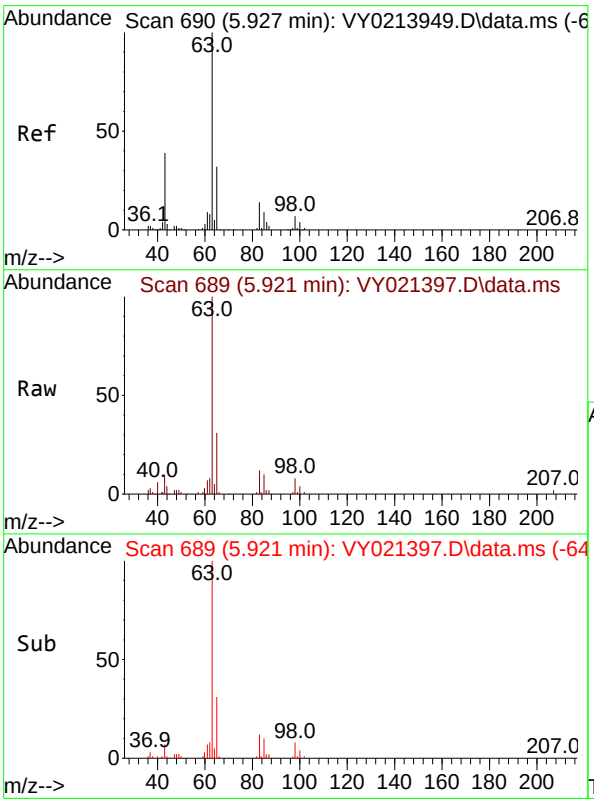
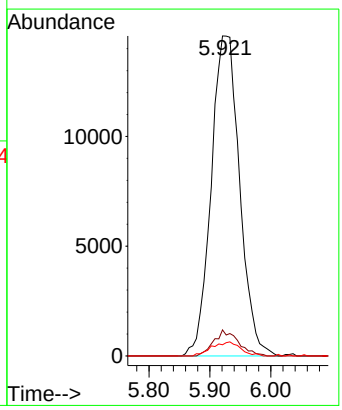


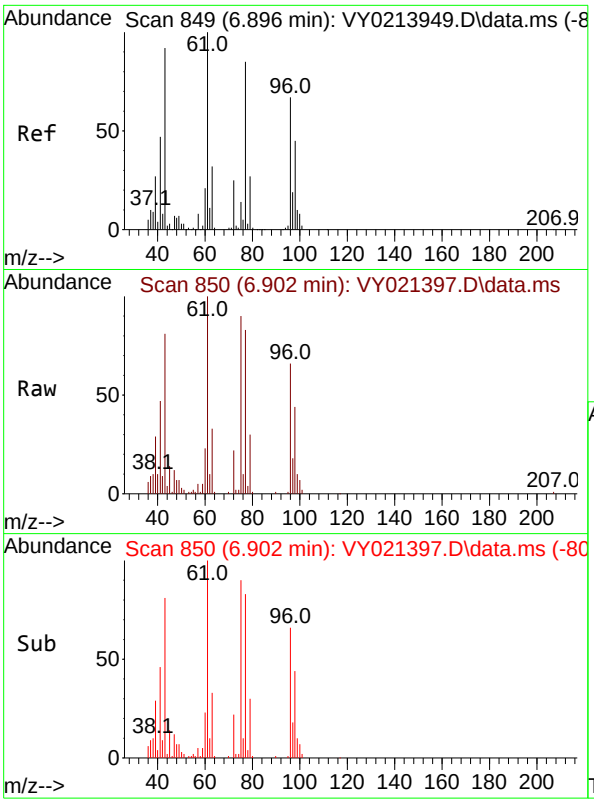


#24
1,1-Dichloroethane
Concen: 10.647 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 63 Resp: 47303

Ion	Ratio	Lower	Upper
63	100		
98	8.2	3.3	9.9
100	3.5	2.1	6.5





#25
2-Butanone
Concen: 50.121 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 43 Resp: 3363

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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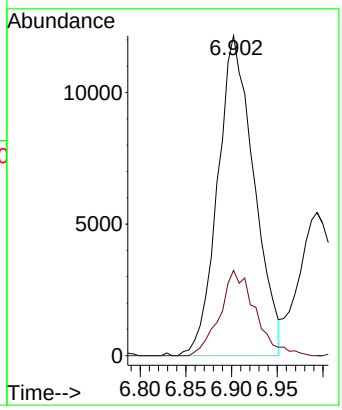
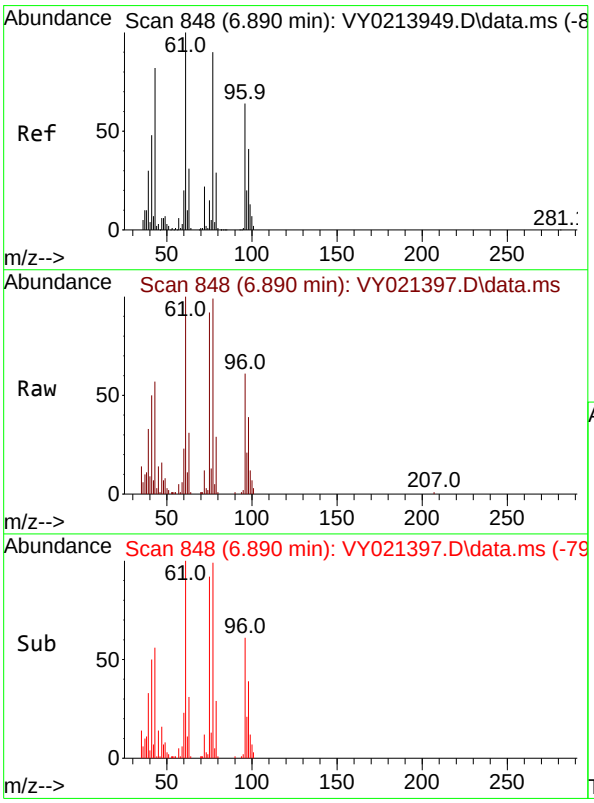
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

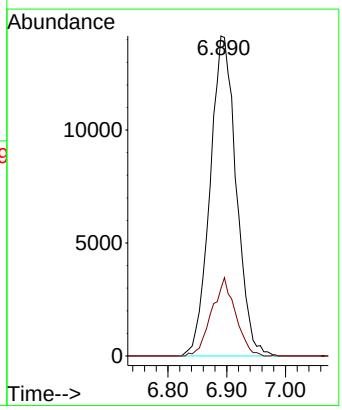


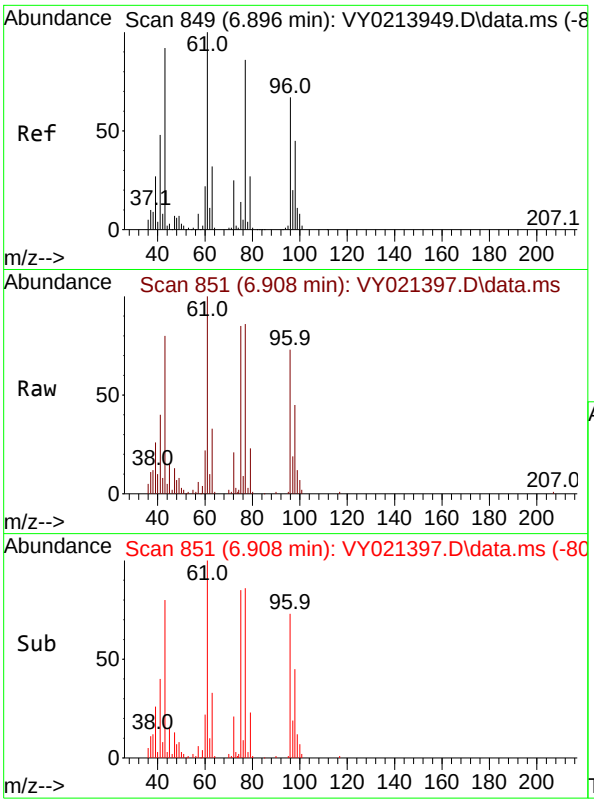


#26
2,2-Dichloropropane
Concen: 10.734 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 77 Resp: 43881

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.3	33.8

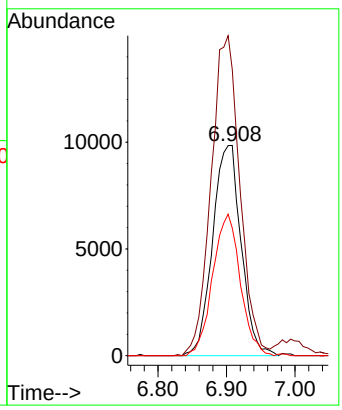




#27
cis-1,2-Dichloroethene
Concen: 10.330 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 96 Resp: 2840

Ion	Ratio	Lower	Upper
96	100		
61	153.9	0.0	300.8
98	65.3	0.0	130.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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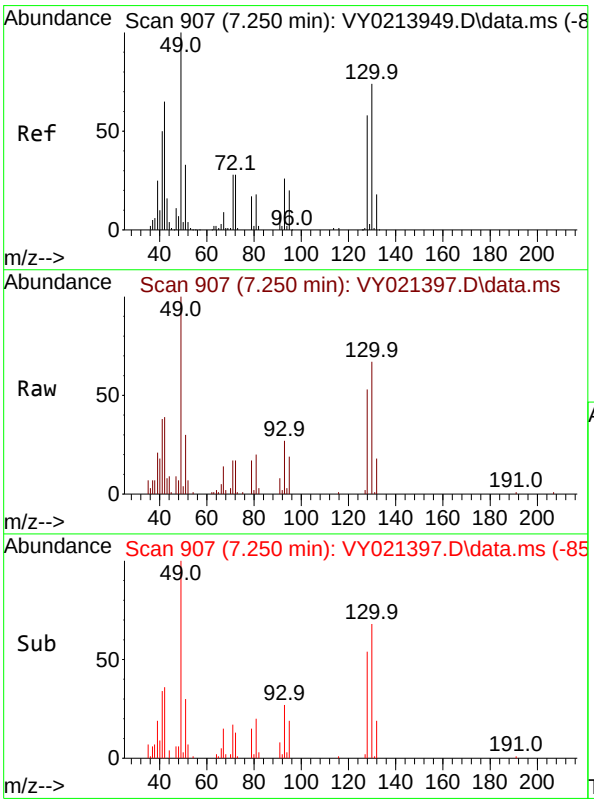
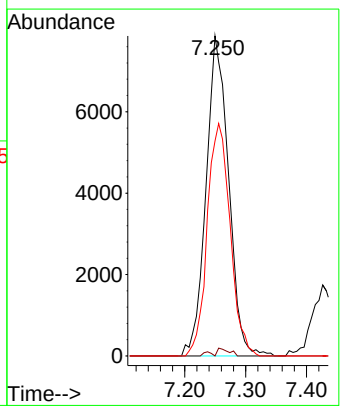
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

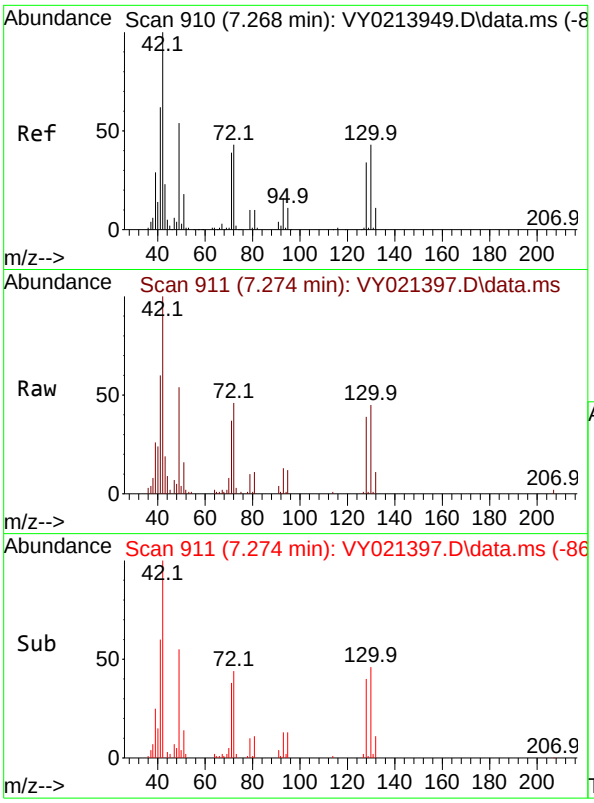


#28
Bromochloromethane
Concen: 10.861 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 49 Resp: 20230

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.2
130	73.8	59.6	89.4

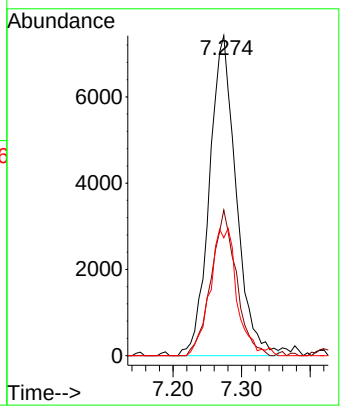




#29
Tetrahydrofuran
Concen: 48.513 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 42 Resp: 2009

Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.8	52.2
71	40.4	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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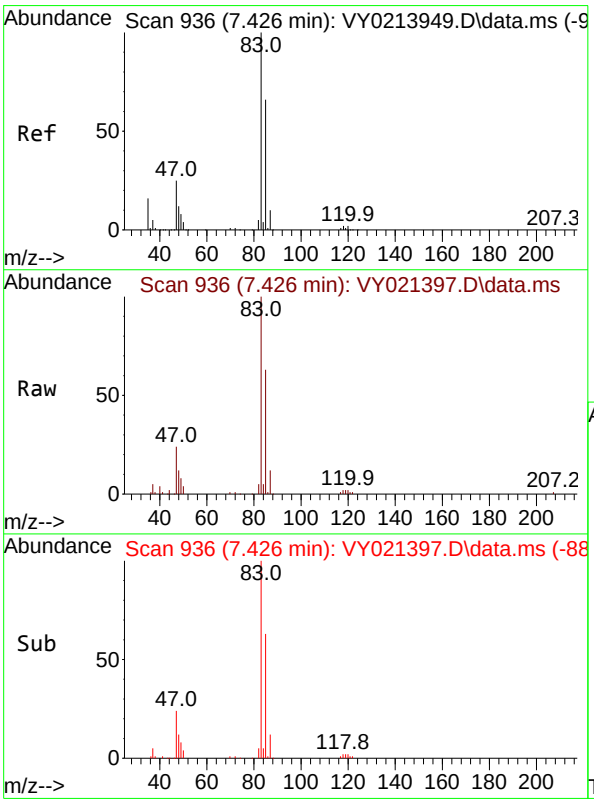
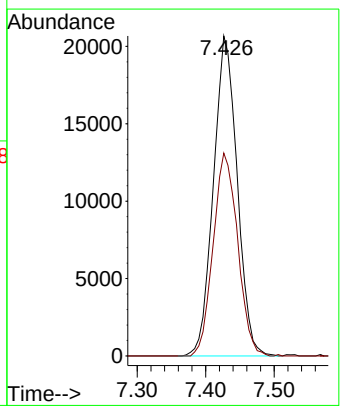
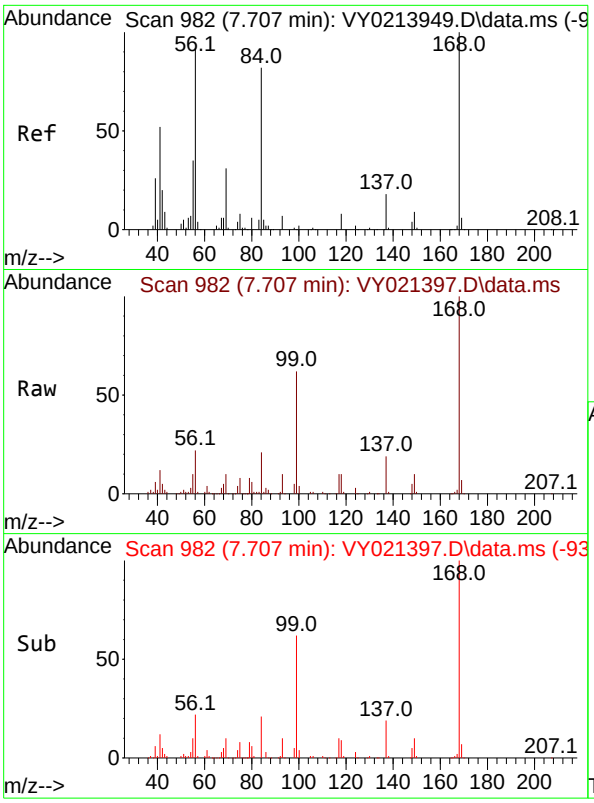


#30
Chloroform
Concen: 10.773 ug/l
RT: 7.426 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 83 Resp: 49699

Ion	Ratio	Lower	Upper
83	100		
85	63.4	53.1	79.7

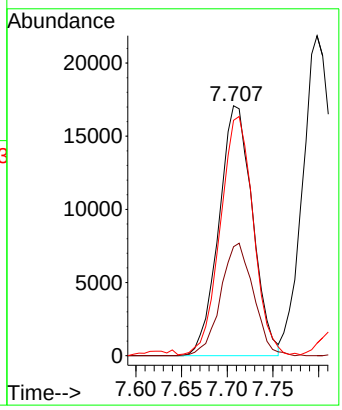




#31
Cyclohexane
Concen: 10.499 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 56 Resp: 4372

Ion	Ratio	Lower	Upper
56	100		
69	43.6	27.0	40.4
84	93.8	71.1	106.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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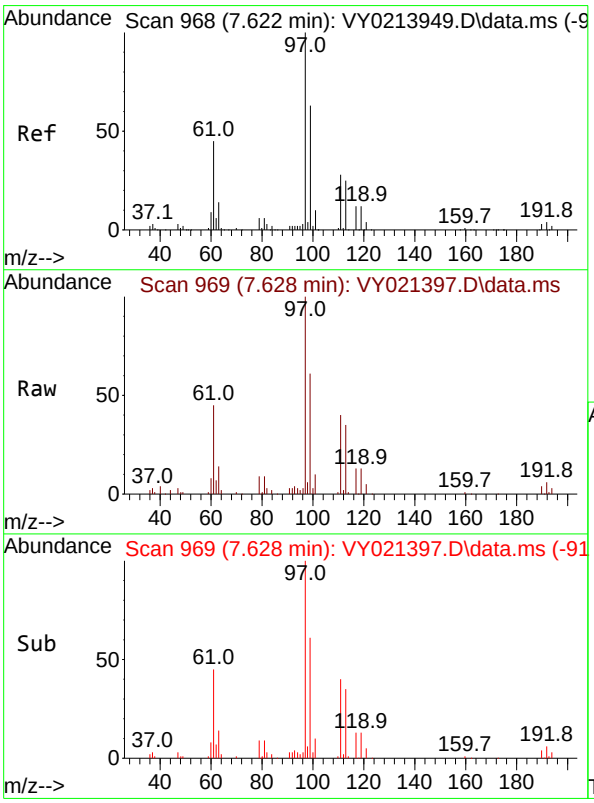
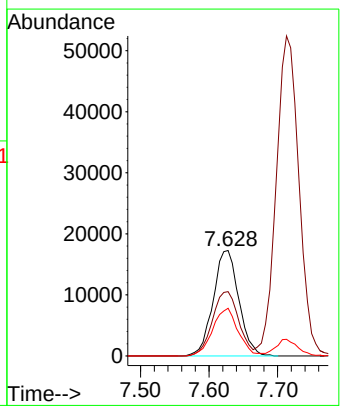
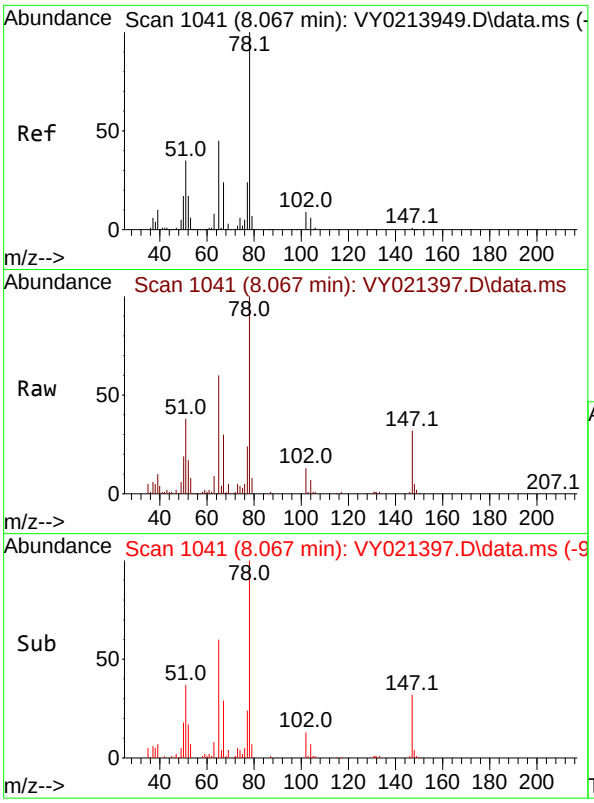


#32
1,1,1-Trichloroethane
Concen: 10.592 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 97 Resp: 44743

Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.7	77.5
61	45.2	35.7	53.5





#33
1,2-Dichloroethane-d4
Concen: 10.975 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 65 Resp: 2440

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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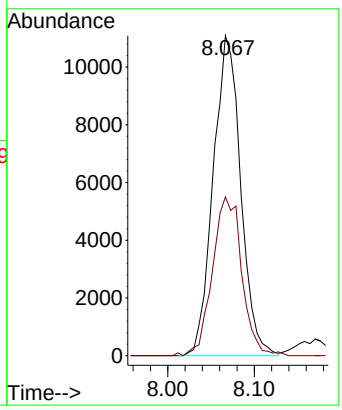
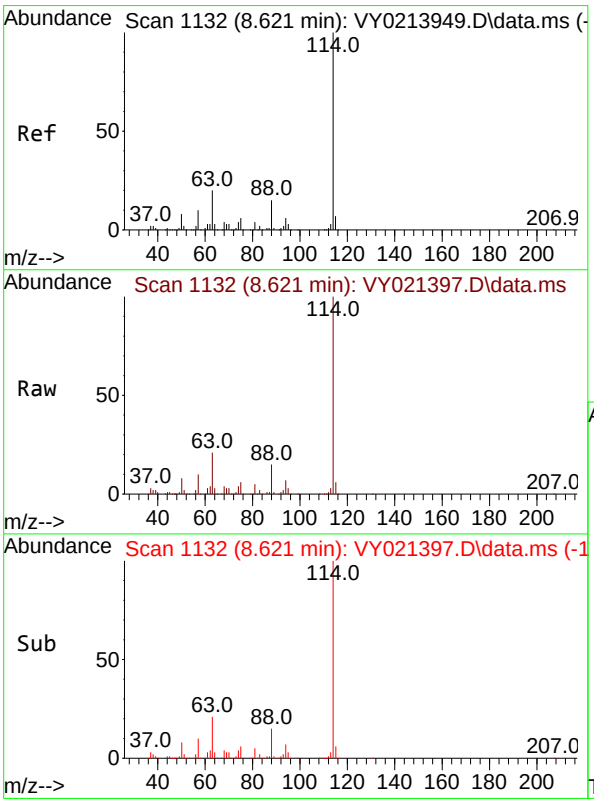
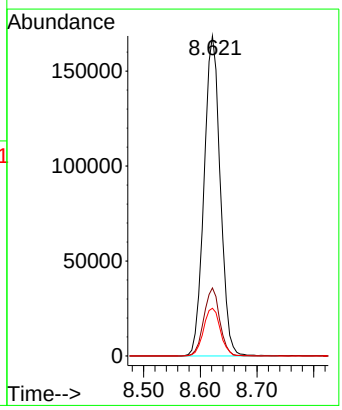


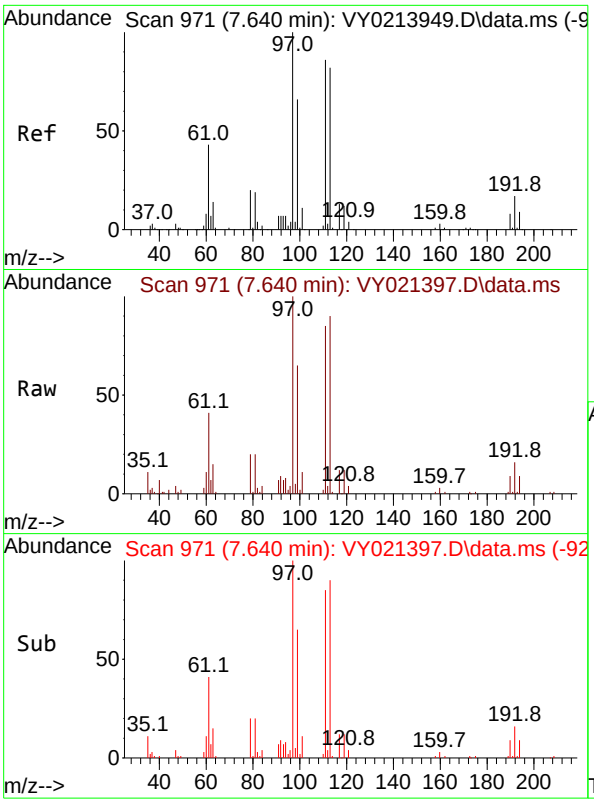


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:114 Resp: 334495

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.8
88	14.9	0.0	30.8

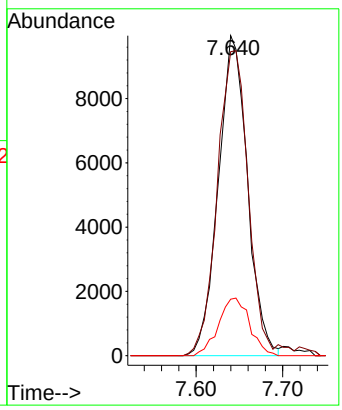




#35
Dibromofluoromethane
Concen: 10.592 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:113 Resp: 2328

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.0	123.0
192	19.2	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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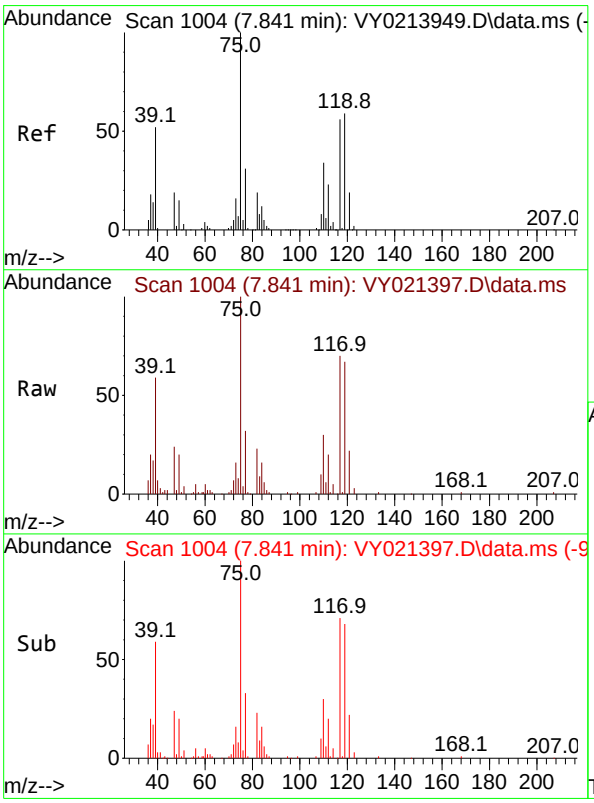
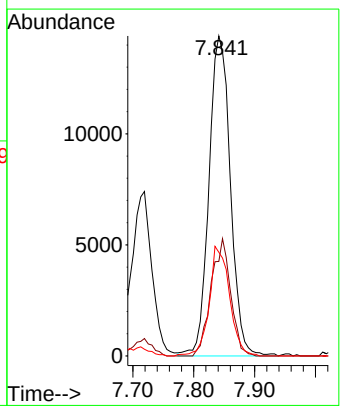
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

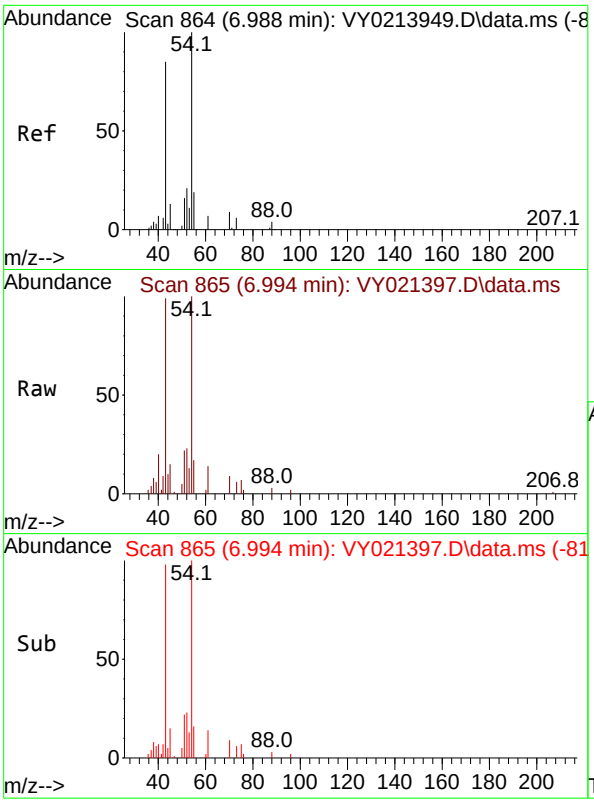


#36
1,1-Dichloropropene
Concen: 10.258 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 75 Resp: 35303

Ion	Ratio	Lower	Upper
75	100		
110	33.5	17.3	51.7
77	32.3	25.4	38.2





#37
Ethyl Acetate
Concen: 9.687 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 43 Resp: 1503

Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.4	17.0
70	10.4	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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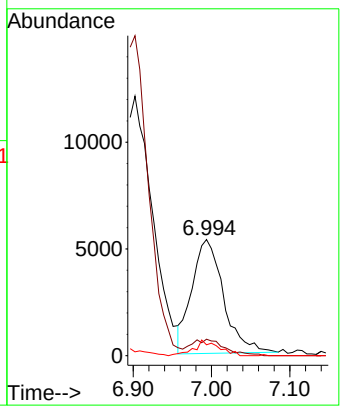
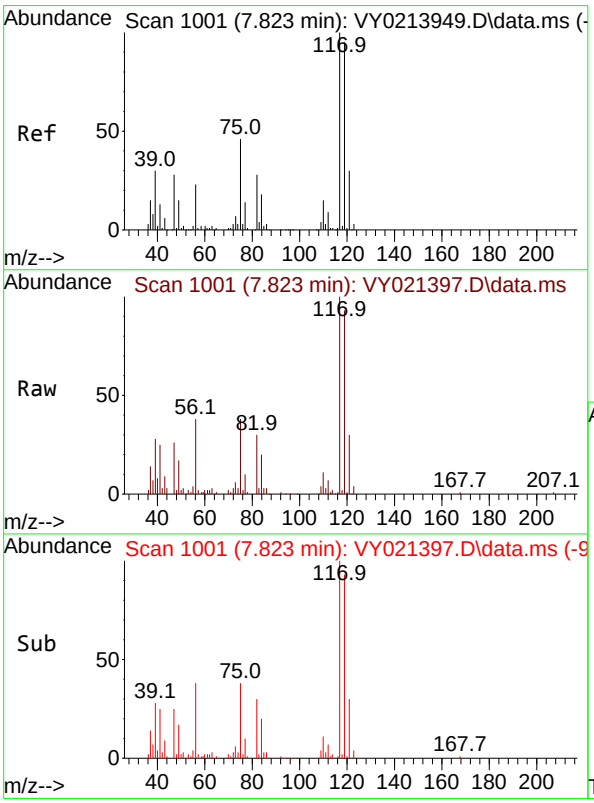
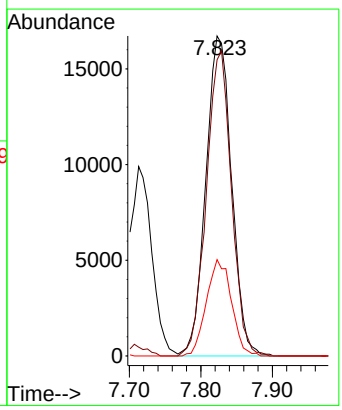


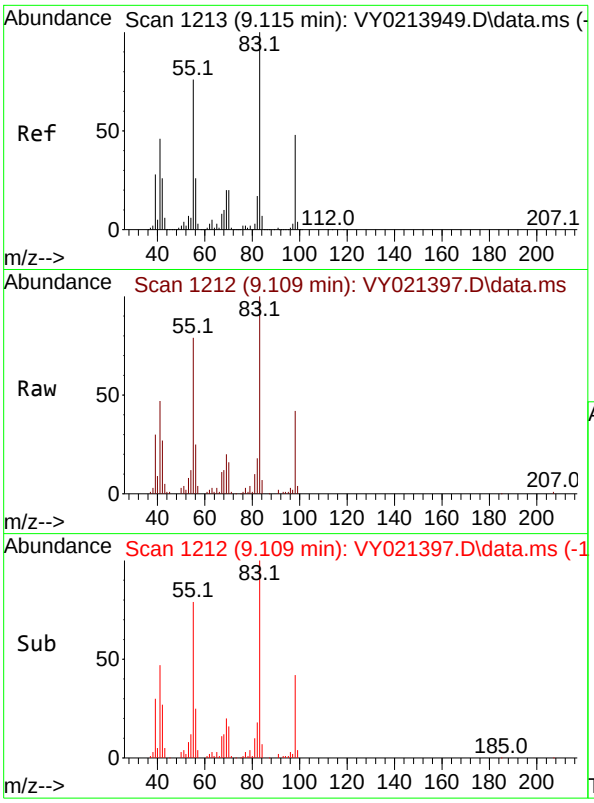


#38
Carbon Tetrachloride
Concen: 10.591 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:117 Resp: 41920

Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.8	113.8
121	30.1	23.9	35.9





#39
Methylcyclohexane
Concen: 9.434 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 83 Resp: 3982

Ion	Ratio	Lower	Upper
83	100		
55	78.9	60.7	91.1
98	42.0	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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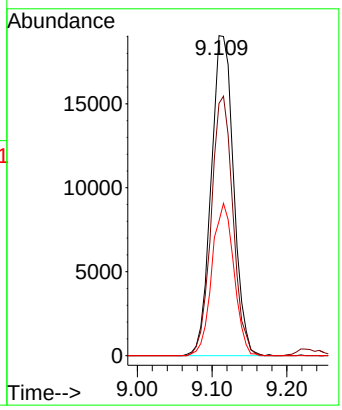
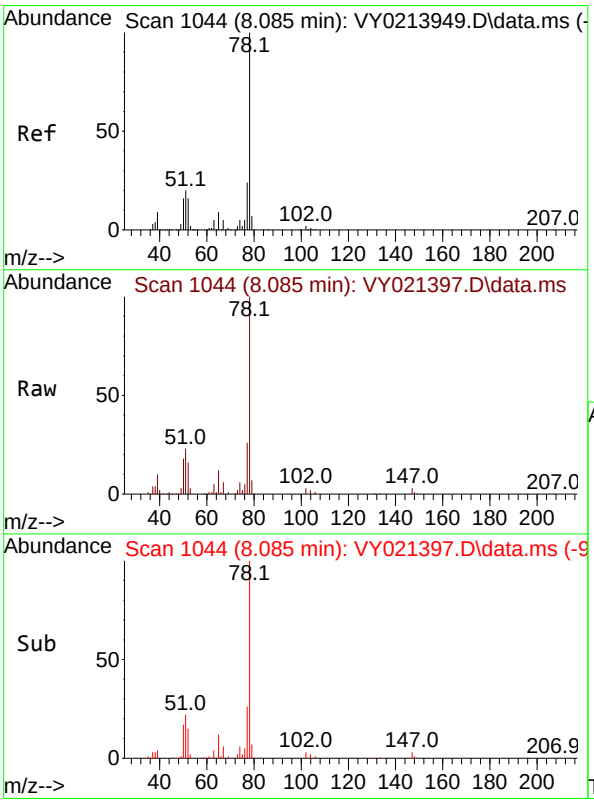
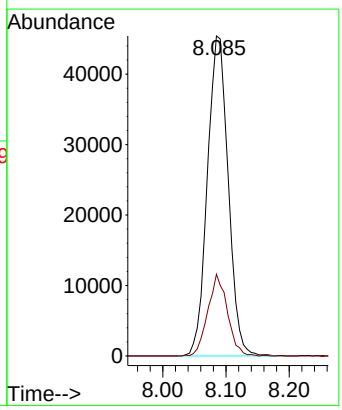


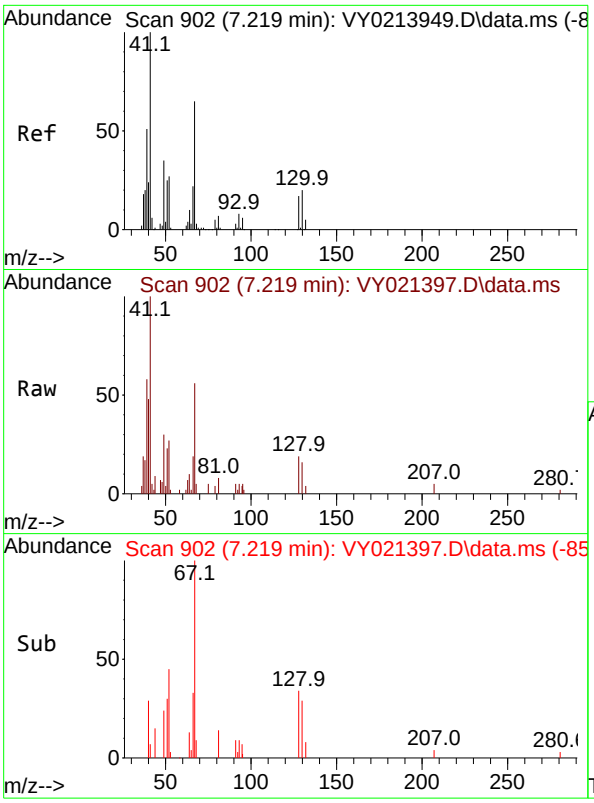


#40
Benzene
Concen: 10.253 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 78 Resp: 103944

Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.0	28.4

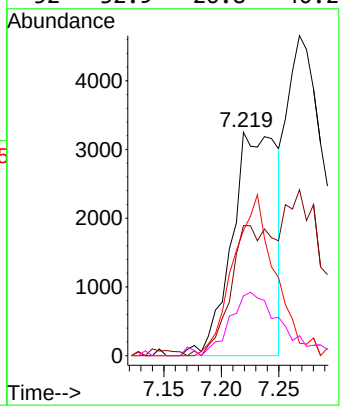




#41
Methacrylonitrile
Concen: 10.472 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 41 Resp: 885

Ion	Ratio	Lower	Upper
41	100		
39	50.9	35.0	52.6
67	66.7	61.2	91.8
52	32.9	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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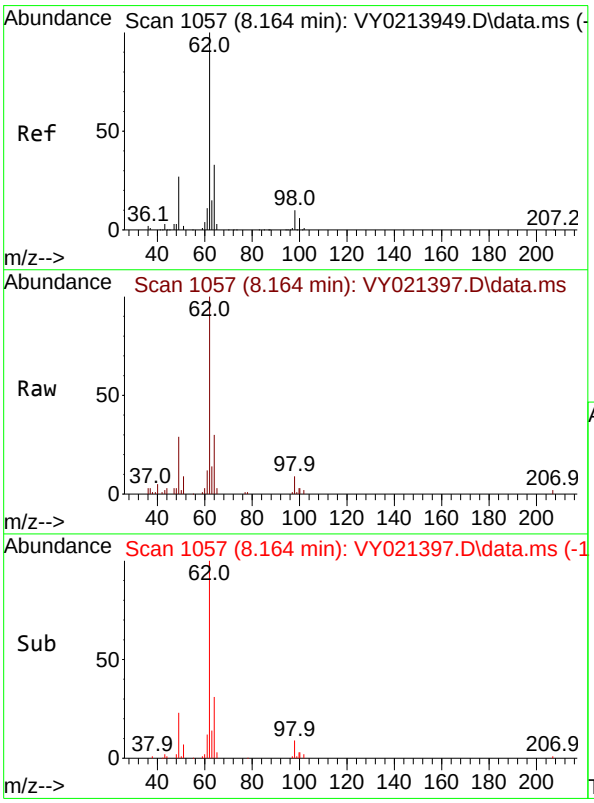
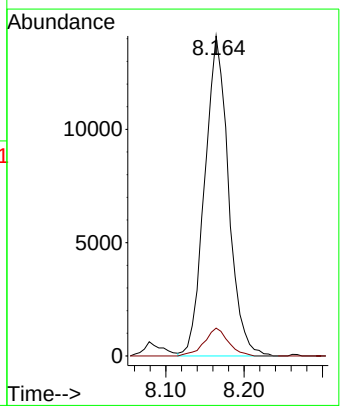
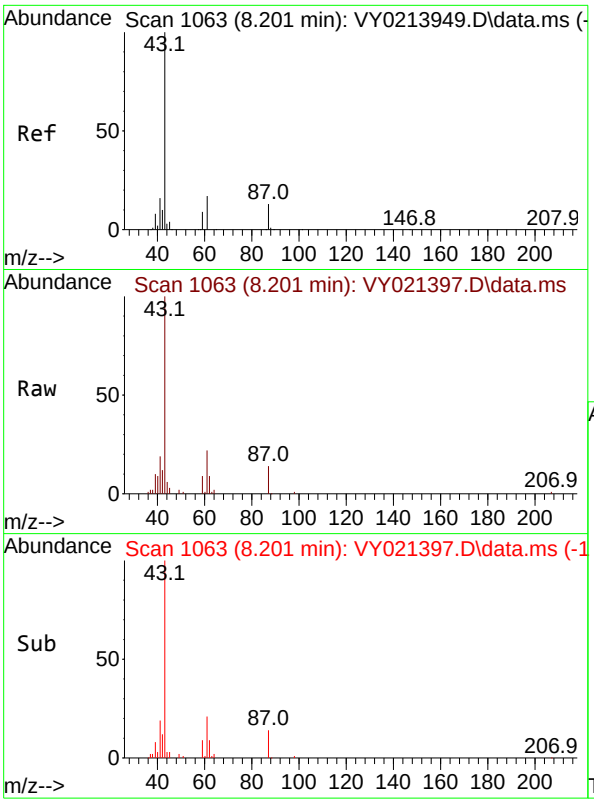


#42
1,2-Dichloroethane
Concen: 10.525 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 62 Resp: 29851

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2





#43
Isopropyl Acetate
Concen: 9.529 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 43 Resp: 2813

Ion	Ratio	Lower	Upper
43	100		
61	21.6	23.4	35.0
87	13.0	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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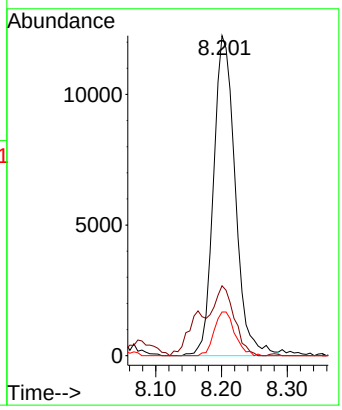
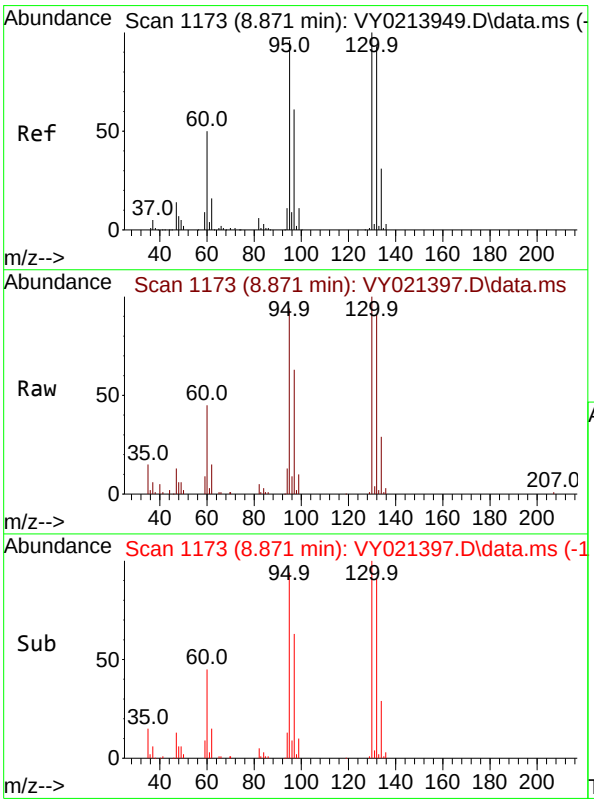
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

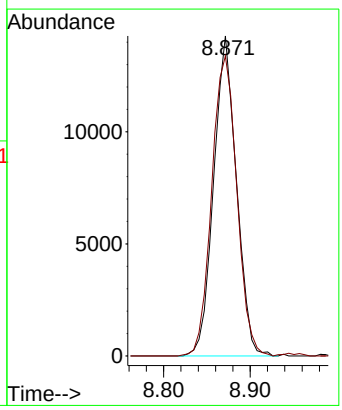


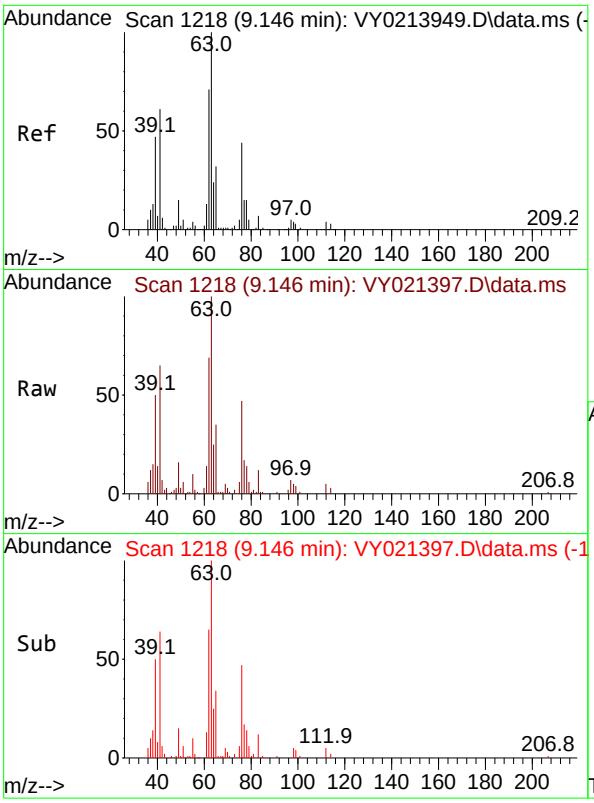


#44
Trichloroethene
Concen: 10.179 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:130 Resp: 26077

Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	191.6





#45
1,2-Dichloropropane
Concen: 10.294 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 63 Resp: 2483

Ion	Ratio	Lower	Upper
63	100		
65	34.5	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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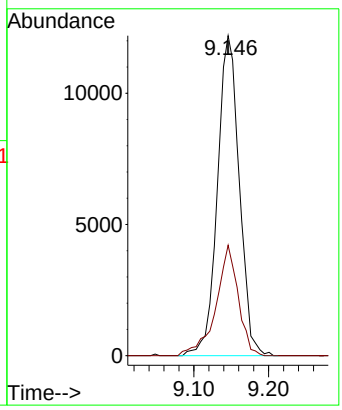
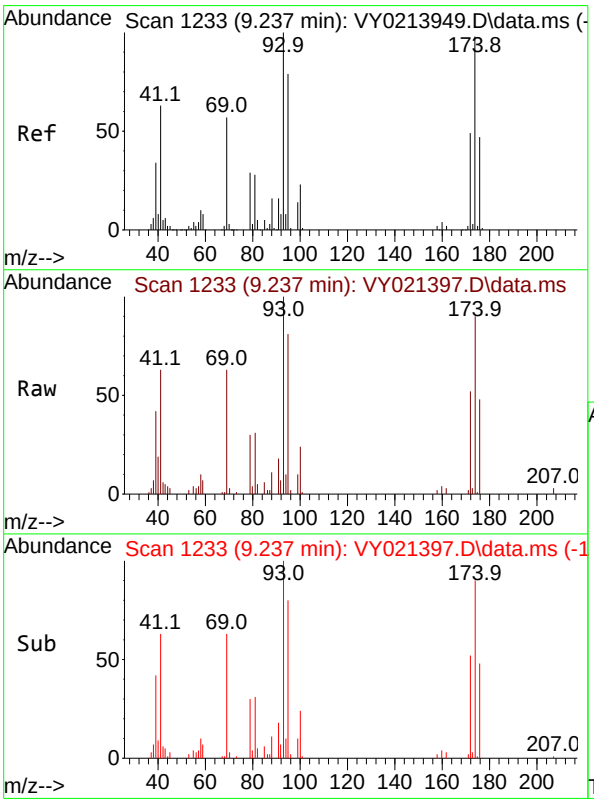
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

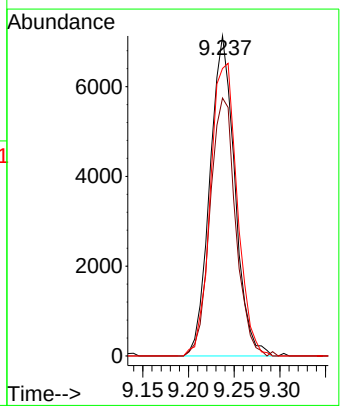


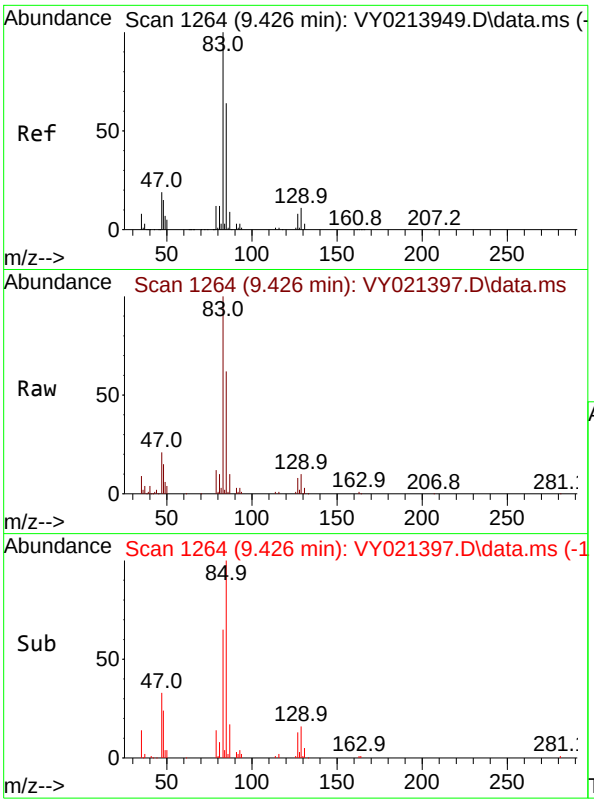


#46
Dibromomethane
Concen: 10.081 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 93 Resp: 13535

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	98.3	77.9	116.9

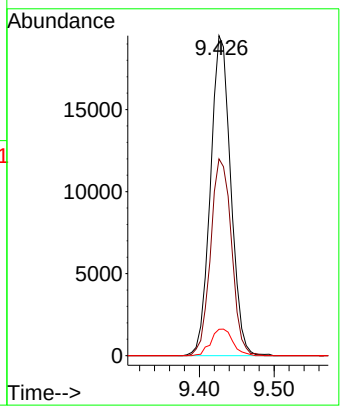




#47
Bromodichloromethane
Concen: 10.315 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 83 Resp: 3677

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.1	76.7
127	8.3	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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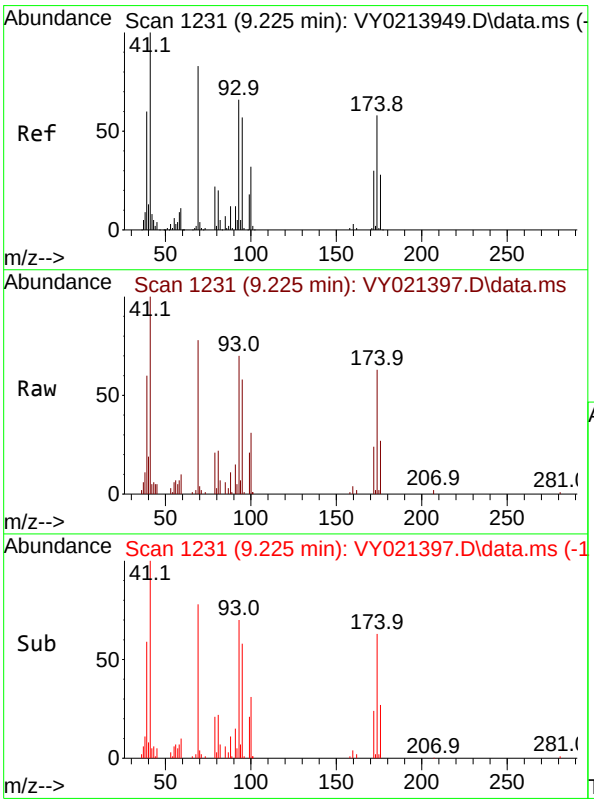
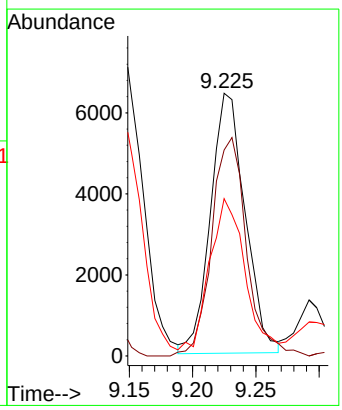
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

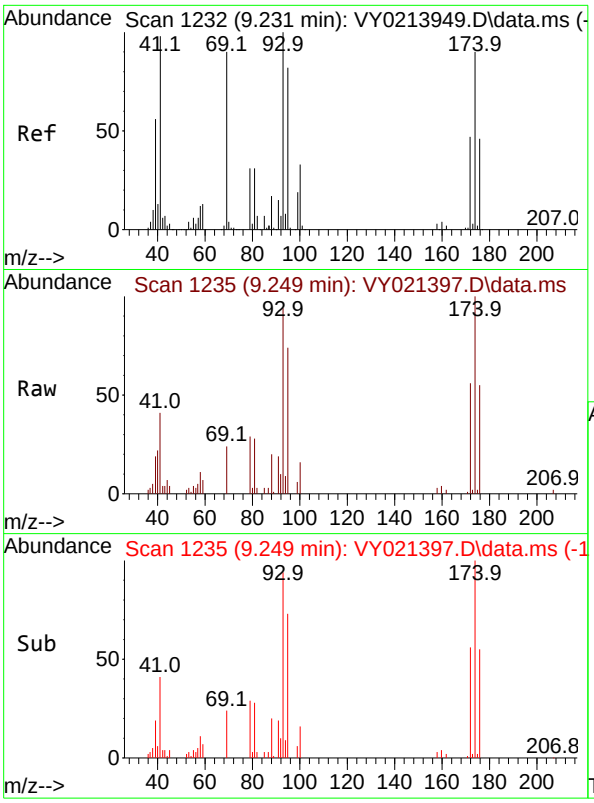


#48
Methyl methacrylate
Concen: 8.937 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 41 Resp: 12236

Ion	Ratio	Lower	Upper
41	100		
69	84.4	67.8	101.8
39	58.8	46.4	69.6

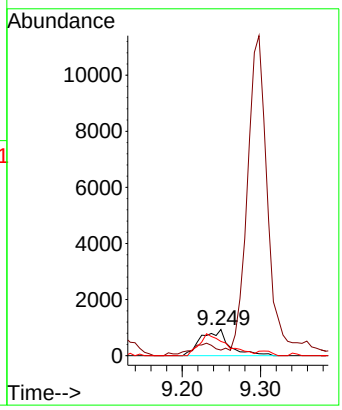




#49
1,4-Dioxane
Concen: 177.344 ug/l
RT: 9.249 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 88 Resp: 233

Ion	Ratio	Lower	Upper
88	100		
43	42.8	25.0	37.4
58	81.1	58.4	87.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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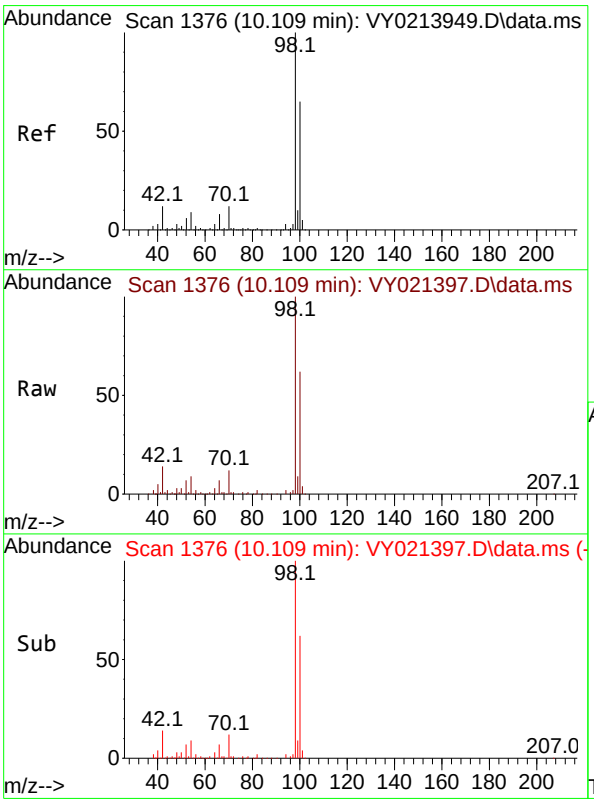
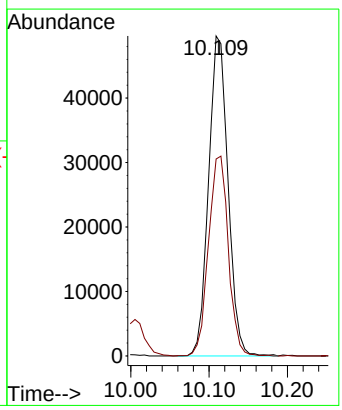
Supervised By :Semsettin Yesilyurt 03/06/2025

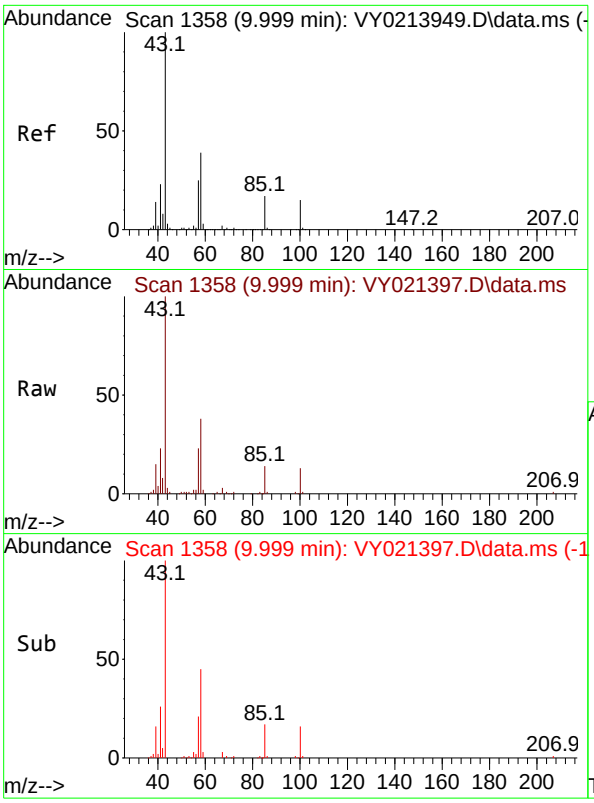


#50
Toluene-d8
Concen: 10.256 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 98 Resp: 85383

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 46.097 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 43 Resp: 7023

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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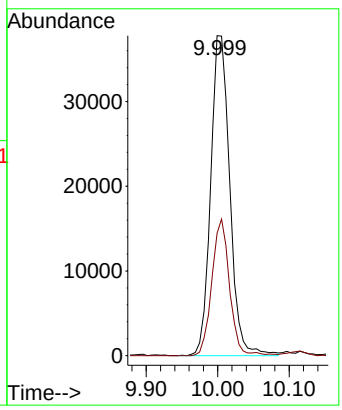
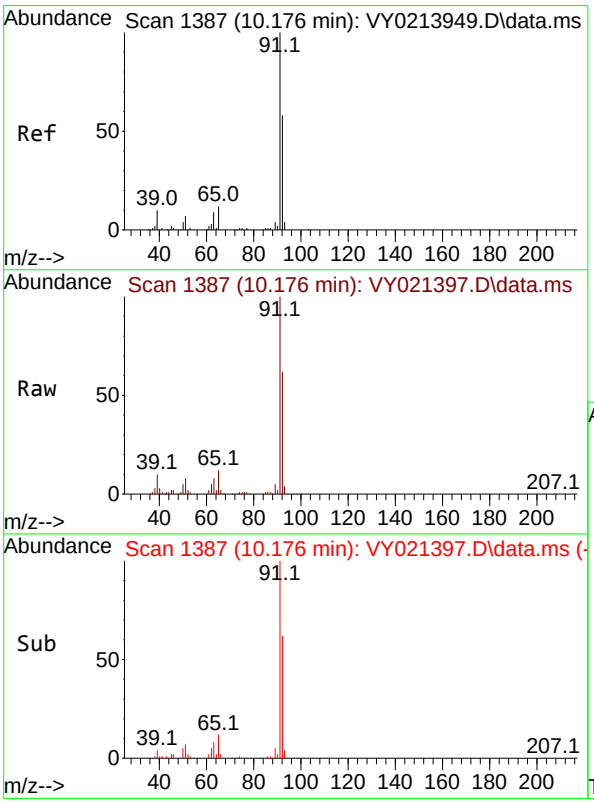
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

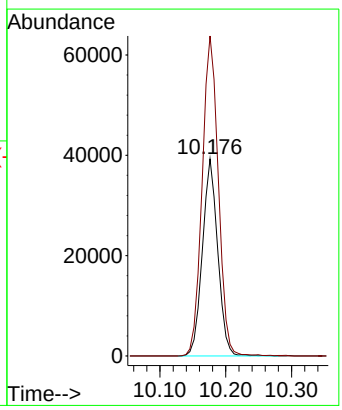


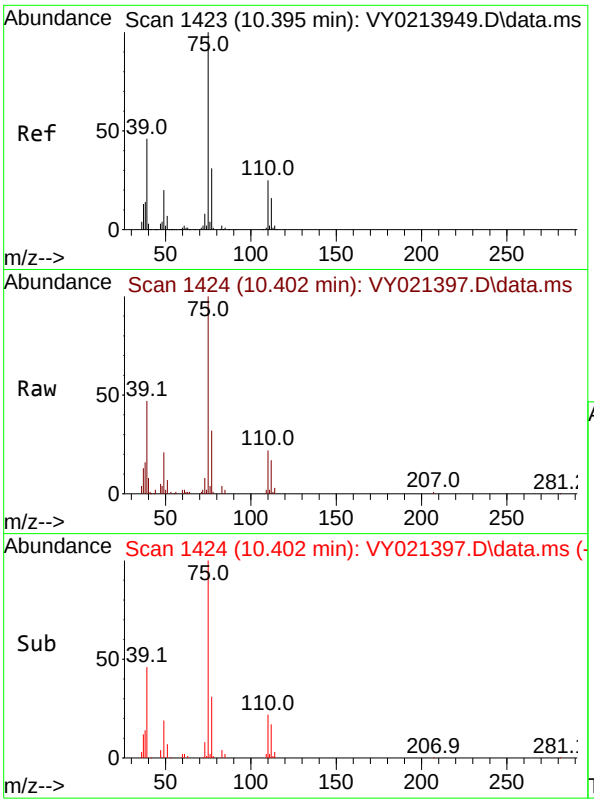


#52
Toluene
Concen: 9.968 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 92 Resp: 63716

Ion	Ratio	Lower	Upper
92	100		
91	171.3	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 9.528 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 75 Resp: 2992

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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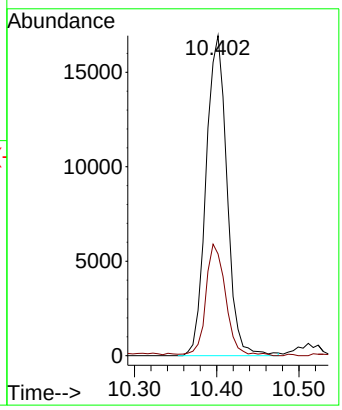
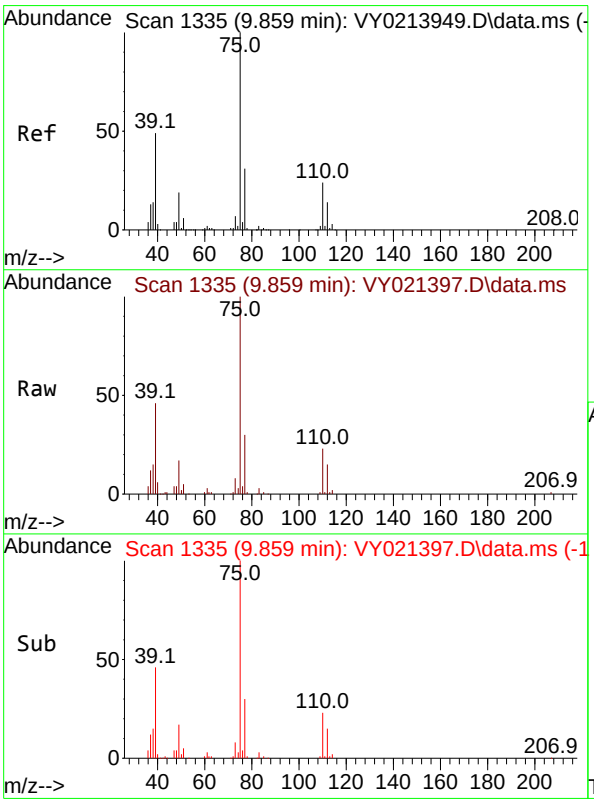
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

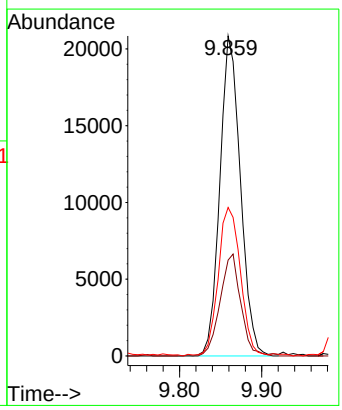


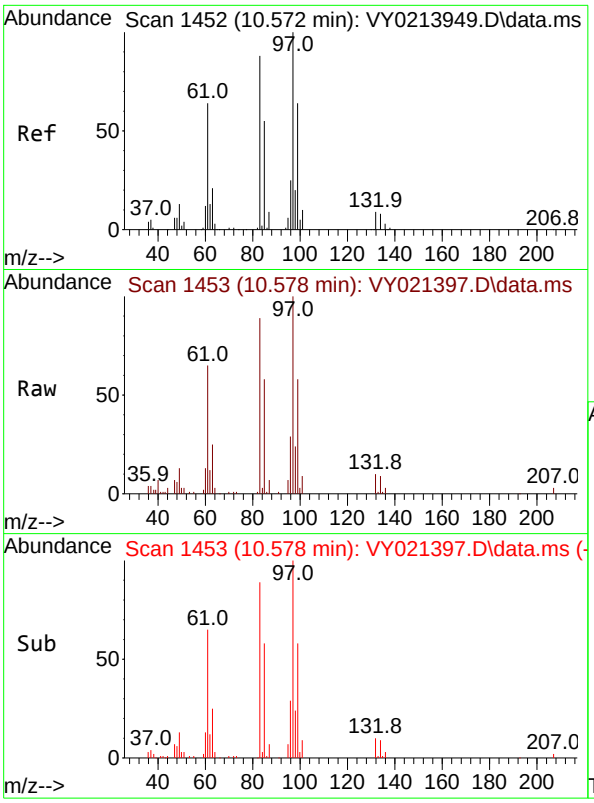


#54
cis-1,3-Dichloropropene
Concen: 9.756 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 75 Resp: 36383

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.6	37.0
39	46.0	39.4	59.2

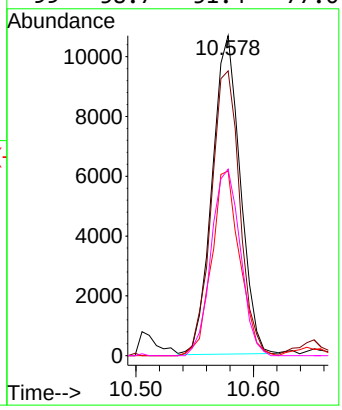




#55
1,1,2-Trichloroethane
Concen: 10.069 ug/l
RT: 10.578 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 97 Resp: 1768

Ion	Ratio	Lower	Upper
97	100		
83	89.6	70.0	105.0
85	58.1	44.3	66.5
99	58.7	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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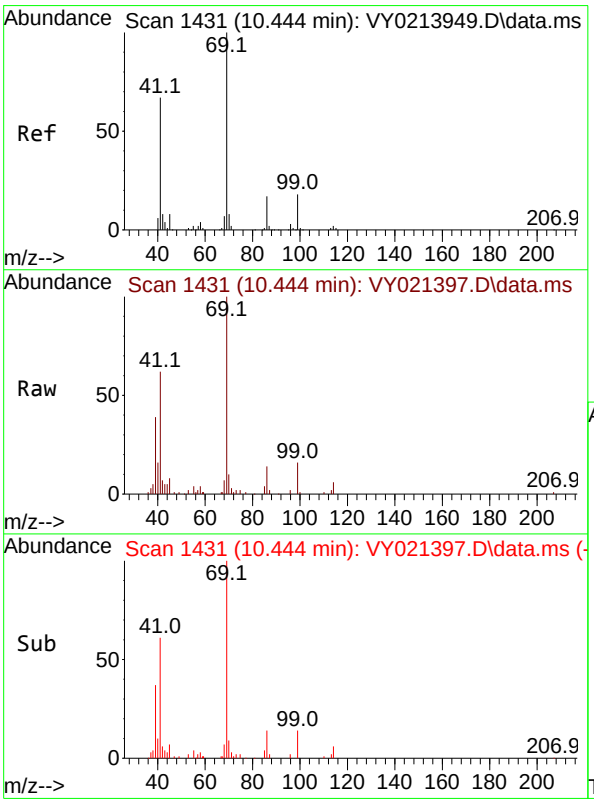
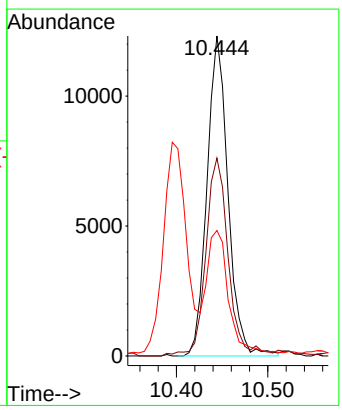
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

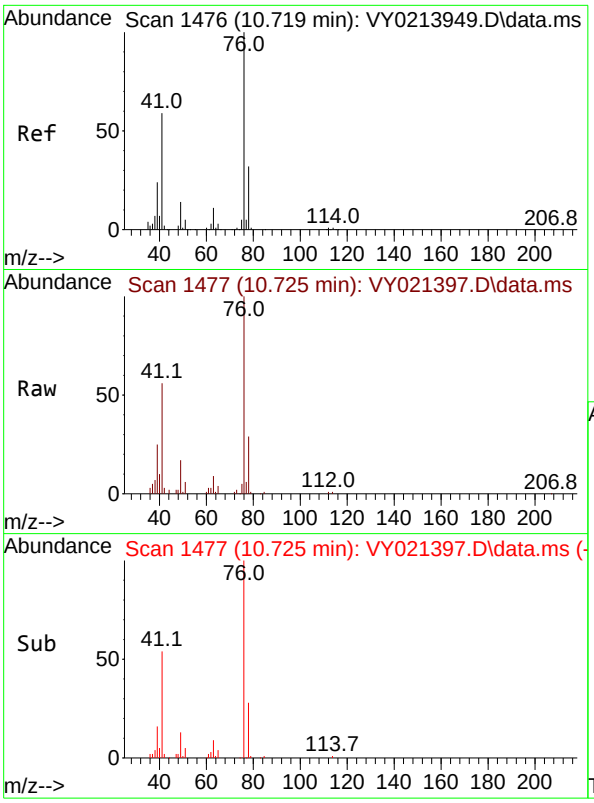


#56
Ethyl methacrylate
Concen: 8.757 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 69 Resp: 19614

Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.3	79.9
39	39.0	31.0	46.6





#57
1,3-Dichloropropane
Concen: 10.151 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 76 Resp: 3089

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 03/06/2025
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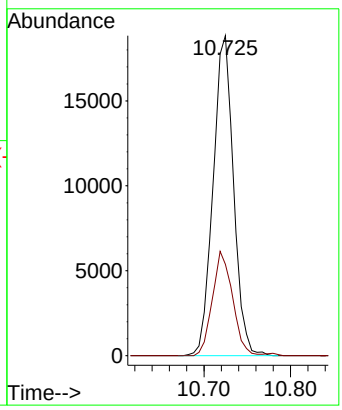
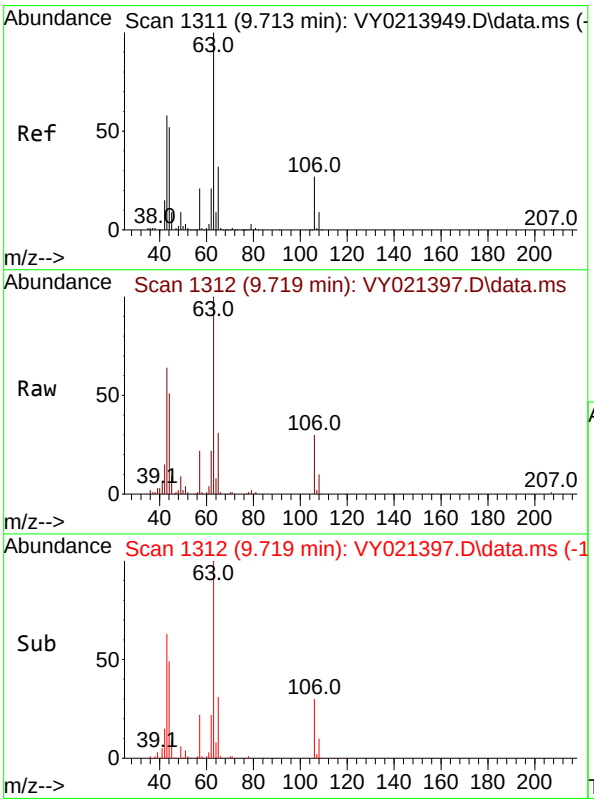
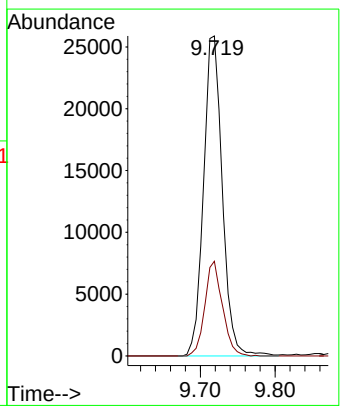


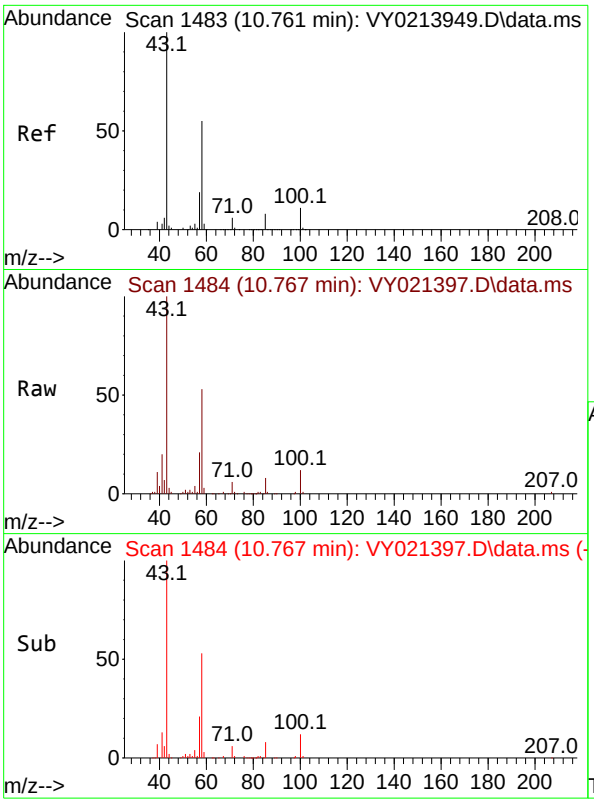


#58
2-Chloroethyl Vinyl ether
Concen: 43.615 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 63 Resp: 45096

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.1	33.1





#59
2-Hexanone
Concen: 44.876 ug/l
RT: 10.767 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 43 Resp: 4521

Ion	Ratio	Lower	Upper
43	100		
58	51.4	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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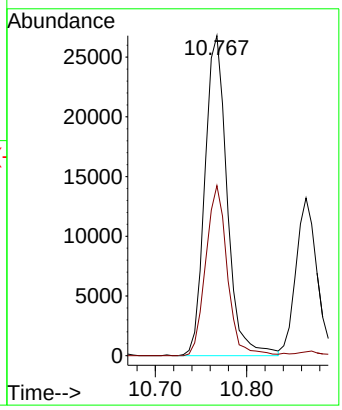
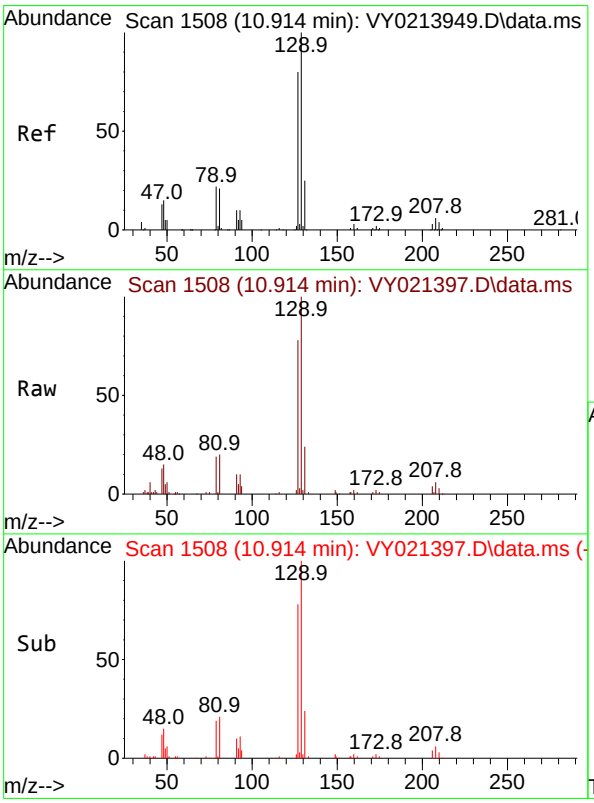
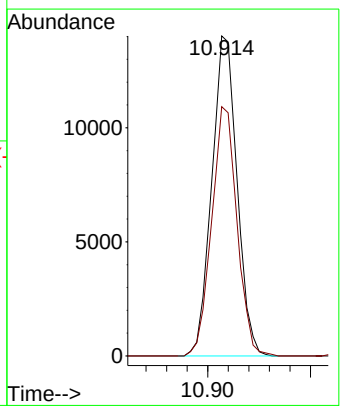


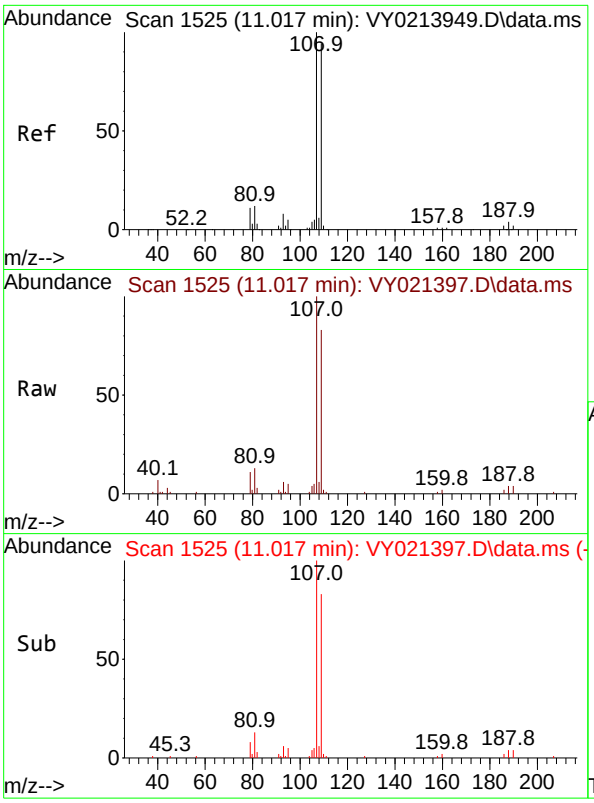


#60
Dibromochloromethane
Concen: 9.936 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:129 Resp: 23922

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.3





#61
1,2-Dibromoethane
Concen: 9.938 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:107 Resp: 1647

Ion	Ratio	Lower	Upper
107	100		
109	91.1	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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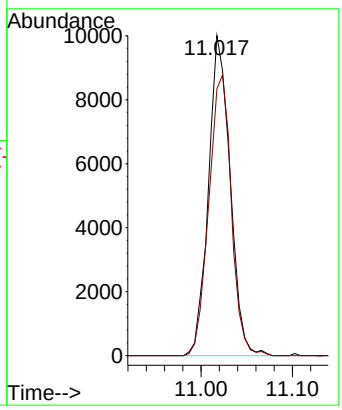
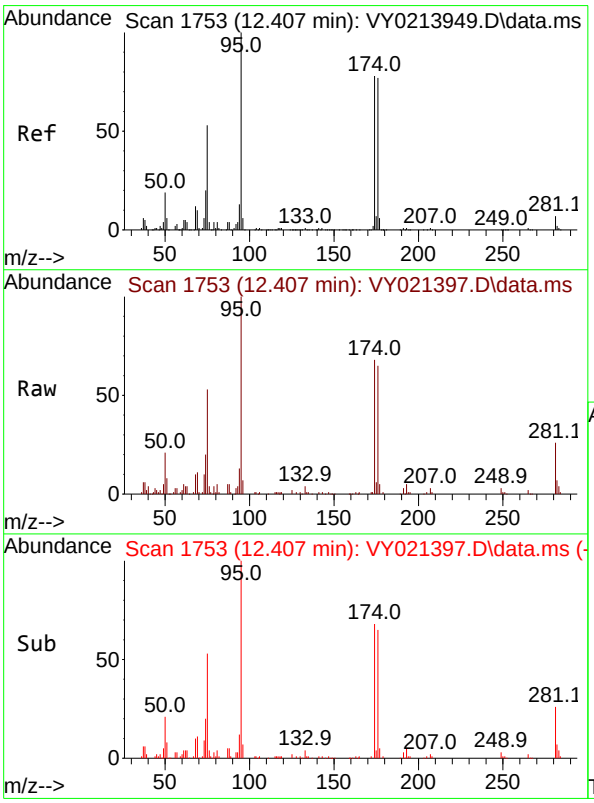
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

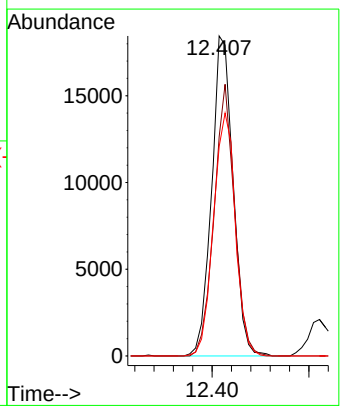


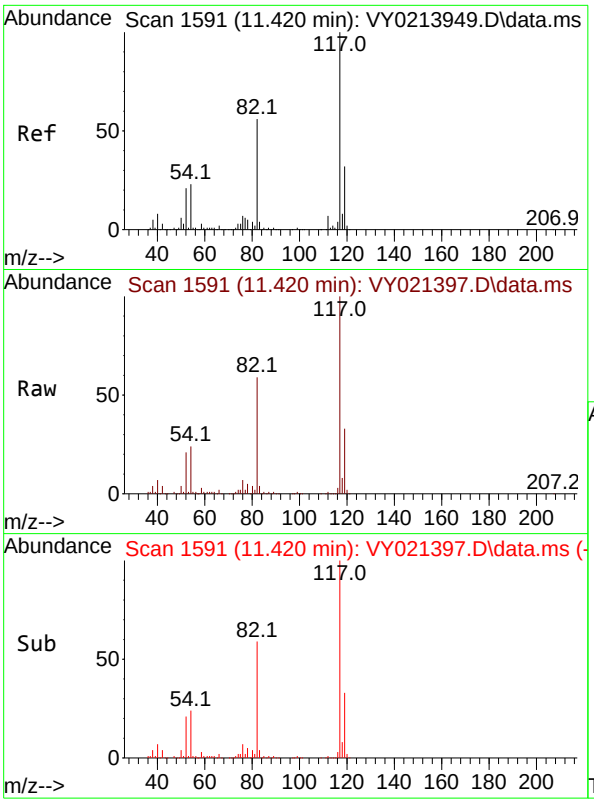


#62
4-Bromofluorobenzene
Concen: 10.022 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 95 Resp: 28379

Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	165.0
176	77.7	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:117 Resp: 28622

Ion	Ratio	Lower	Upper
117	100		
82	59.4	44.6	67.0
119	32.6	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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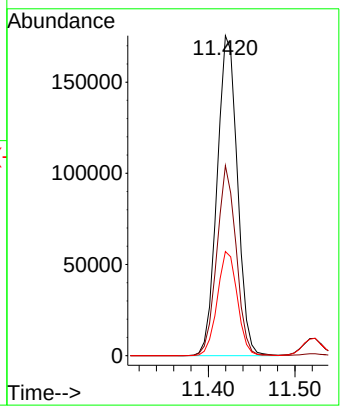
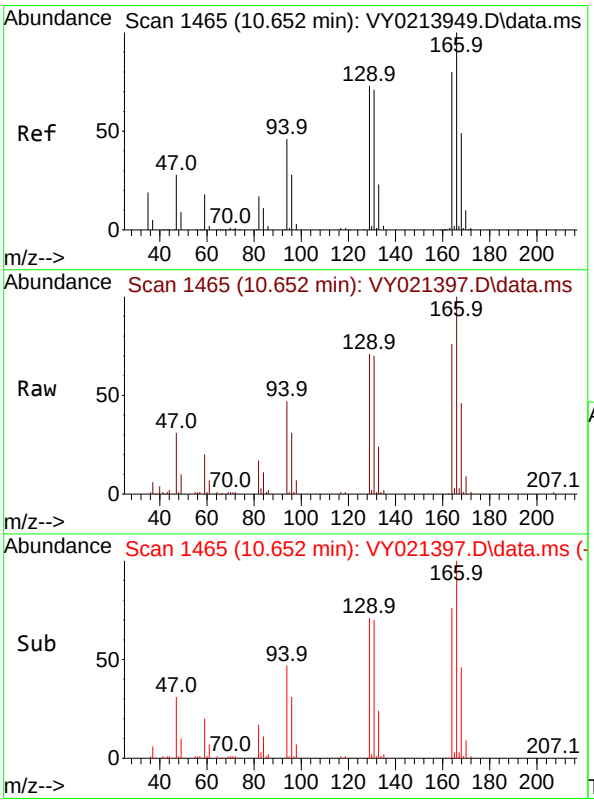
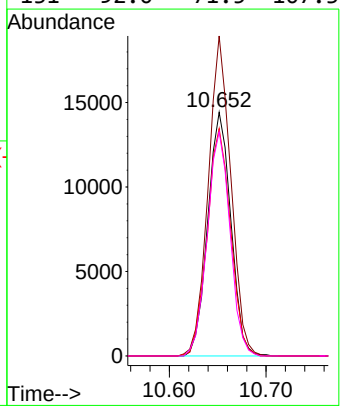


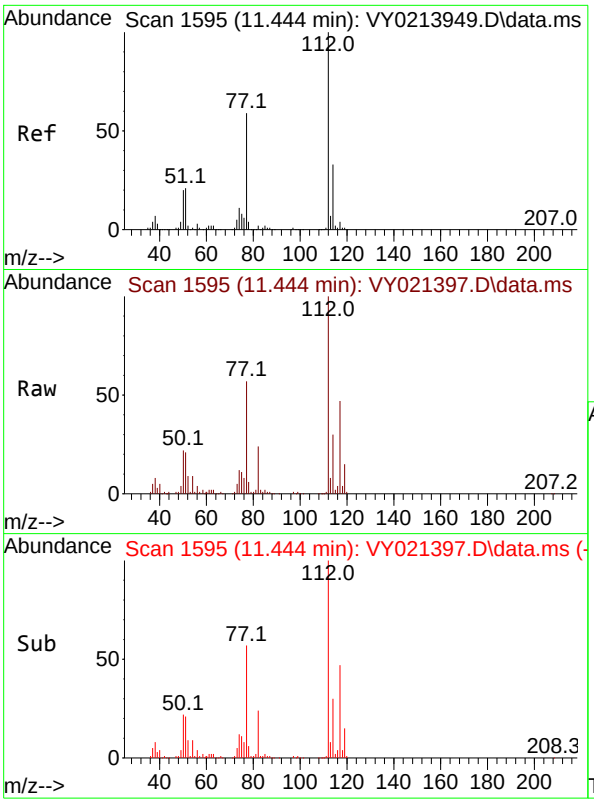


#64
Tetrachloroethene
Concen: 10.289 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:164 Resp: 23948

Ion	Ratio	Lower	Upper
164	100		
166	131.3	100.4	150.6
129	93.3	73.8	110.8
131	92.0	71.5	107.3





#65
Chlorobenzene
Concen: 10.110 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:112 Resp: 6833

Ion	Ratio	Lower	Upper
112	100		
114	30.5	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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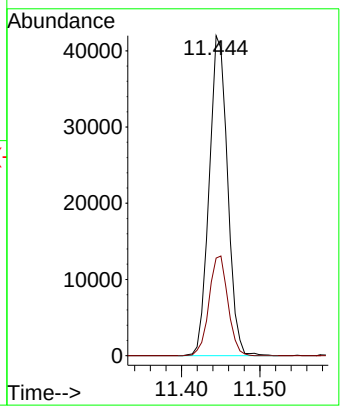
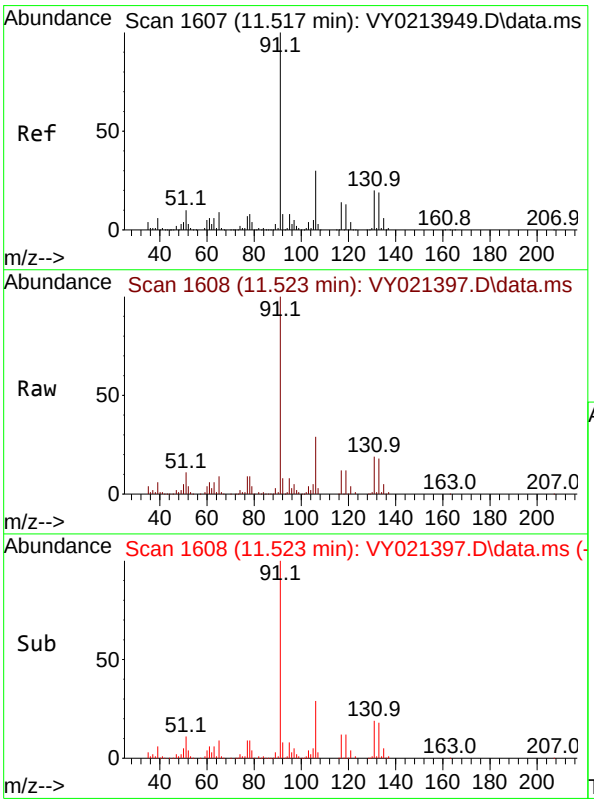
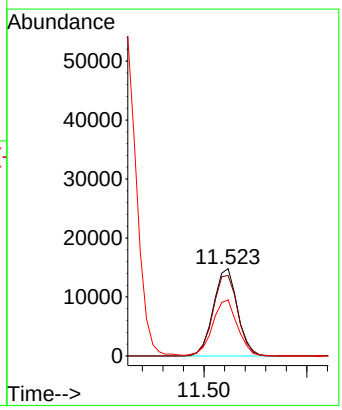


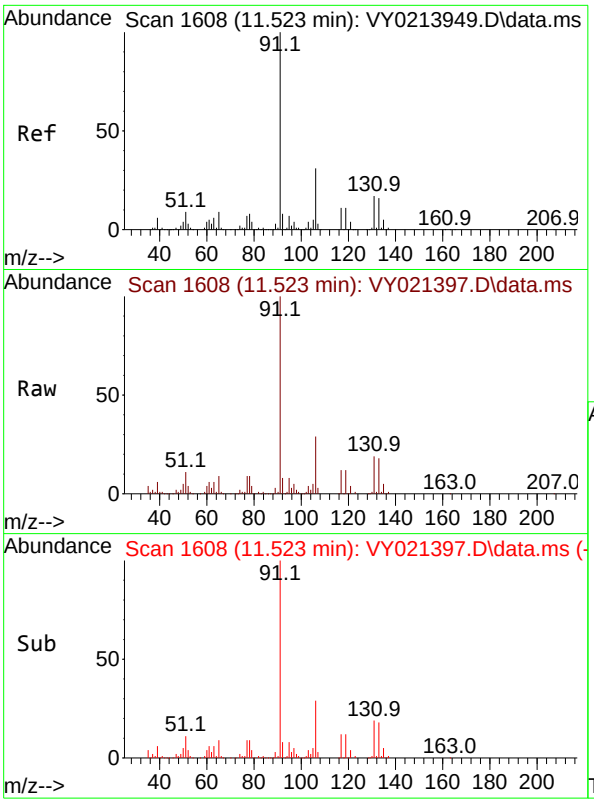


#66
1,1,1,2-Tetrachloroethane
Concen: 10.065 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:131 Resp: 24052

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.6	142.9
119	66.7	32.3	96.9





#67
Ethyl Benzene
Concen: 9.676 ug/l
RT: 11.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 91 Resp: 11479

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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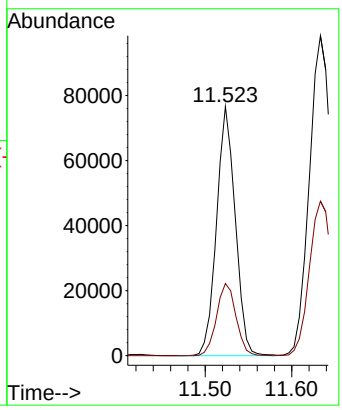
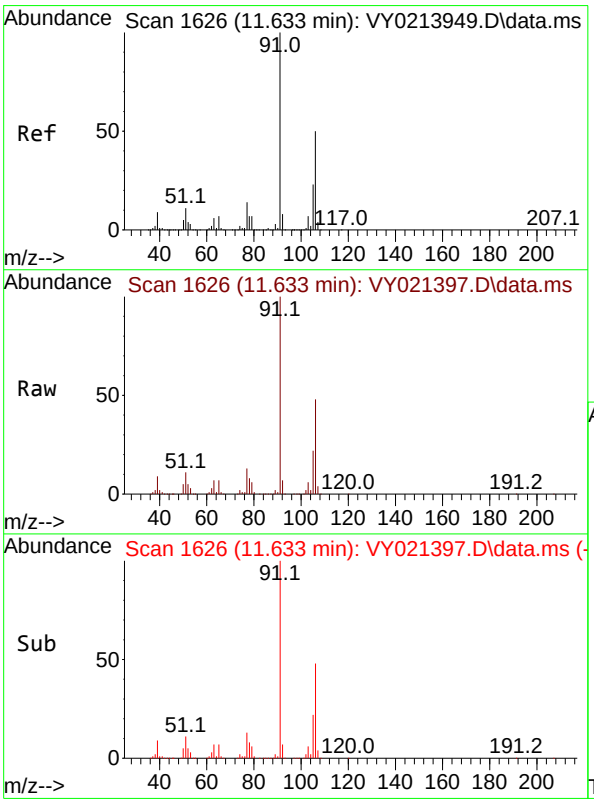
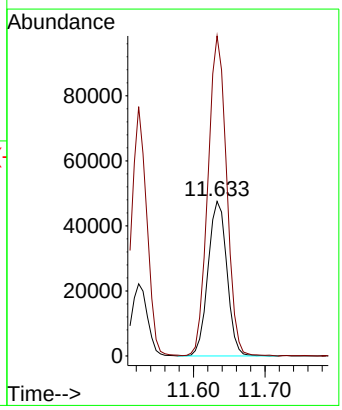


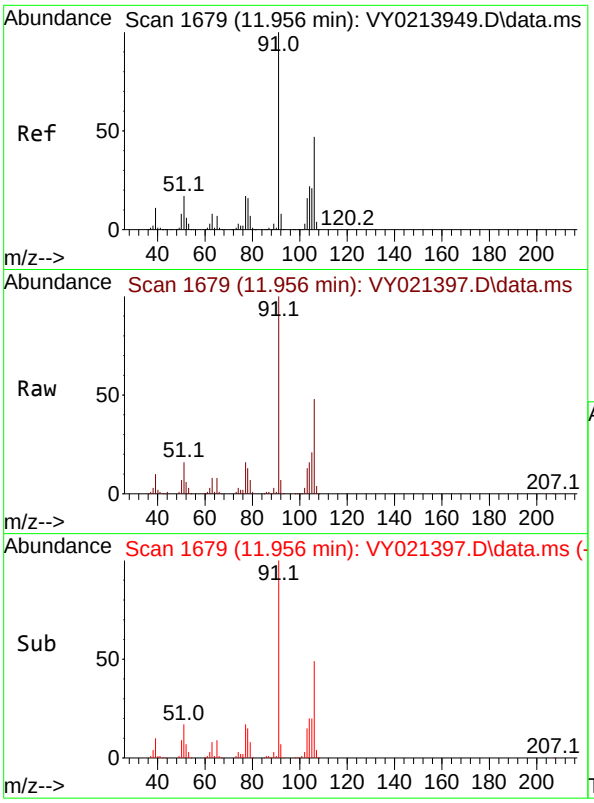


#68
m/p-Xylenes
Concen: 19.346 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:106 Resp: 87134

Ion	Ratio	Lower	Upper
106	100		
91	205.2	161.7	242.5





#69
o-Xylene
Concen: 9.655 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:106 Resp: 4008

Ion	Ratio	Lower	Upper
106	100		
91	212.6	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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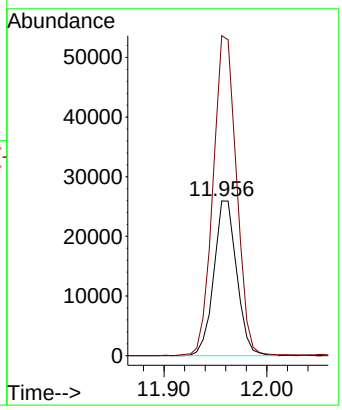
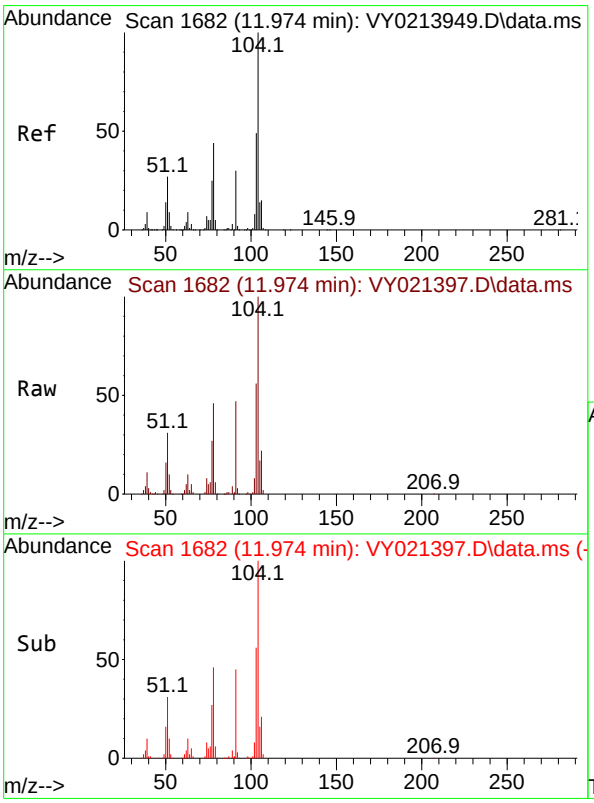
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

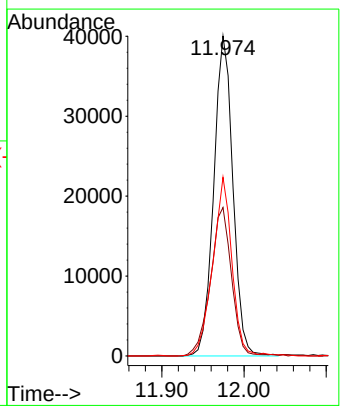


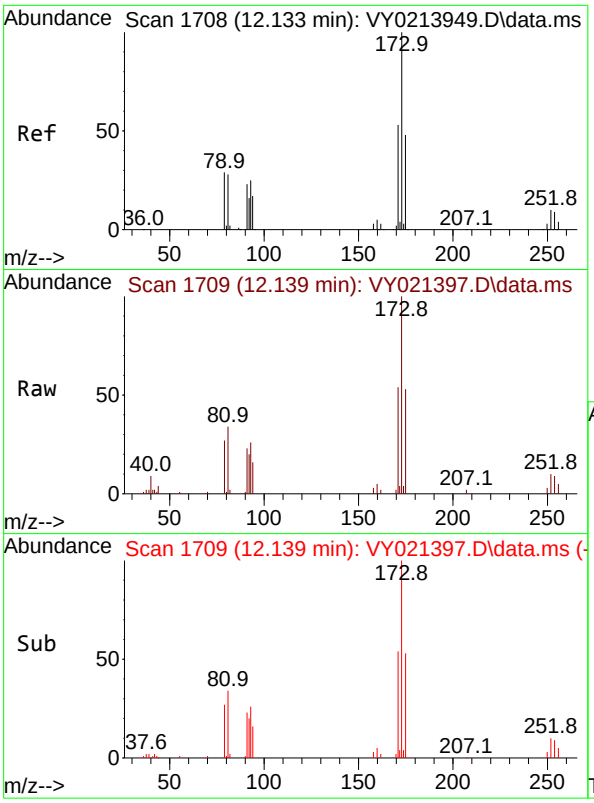


#70
Styrene
Concen: 9.416 ug/l
RT: 11.974 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:104 Resp: 64841

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.7	61.1
103	56.5	44.1	66.1

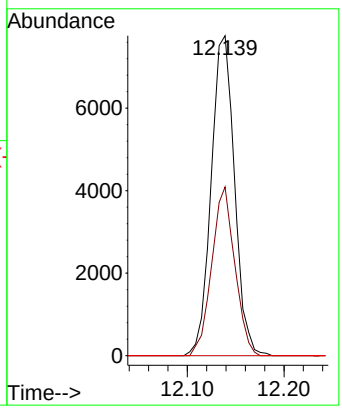




#71
Bromoform
Concen: 9.719 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:173 Resp: 1298

Ion	Ratio	Lower	Upper
173	100		
175	52.2	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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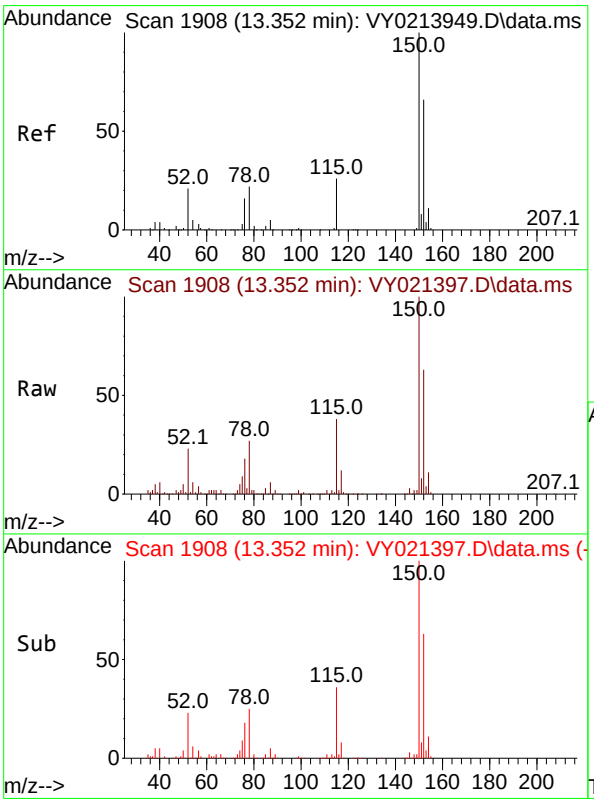
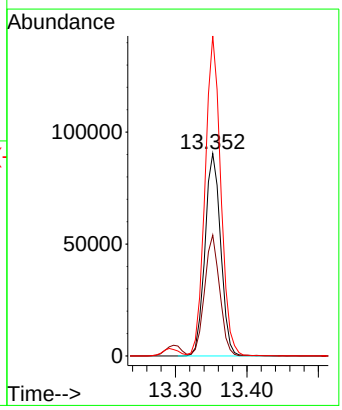
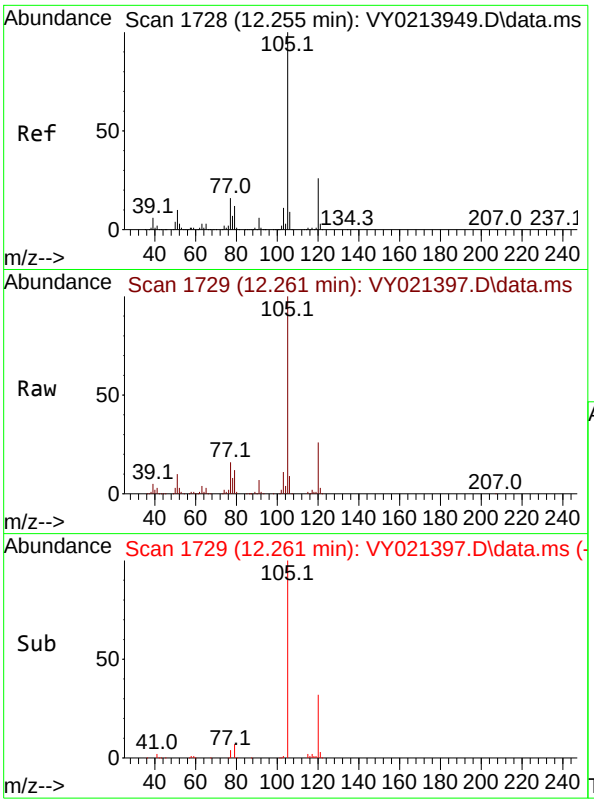


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:152 Resp: 137839

Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.0	87.0
150	158.4	0.0	347.2





#73
Isopropylbenzene
Concen: 9.639 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:105 Resp: 10466

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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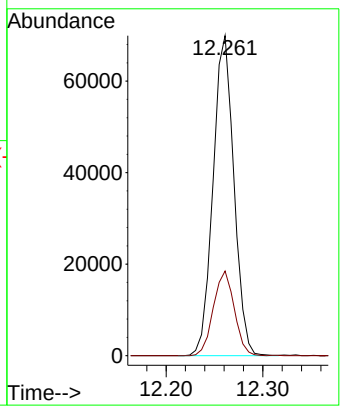
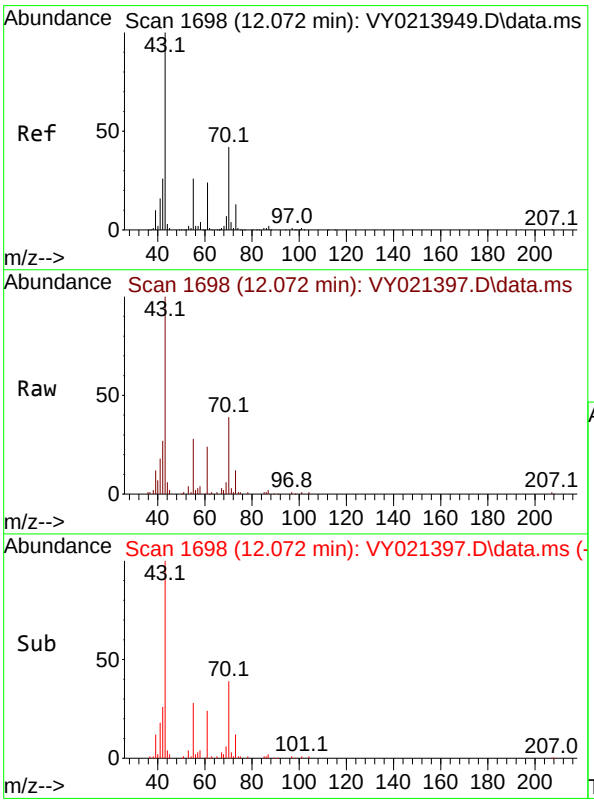
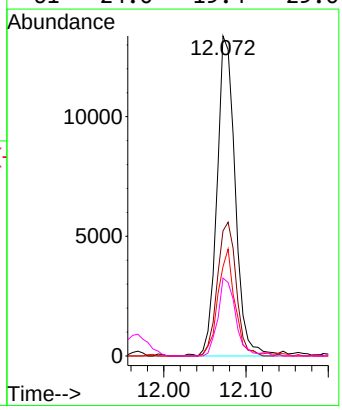


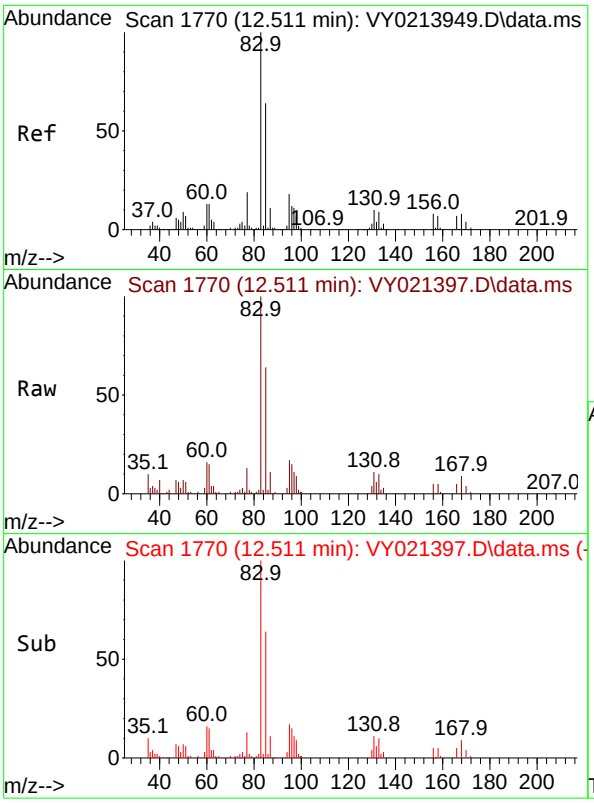


#74
N-amyl acetate
Concen: 8.725 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 43 Resp: 20573

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.6	51.8
55	31.1	21.1	31.7
61	24.0	19.4	29.0

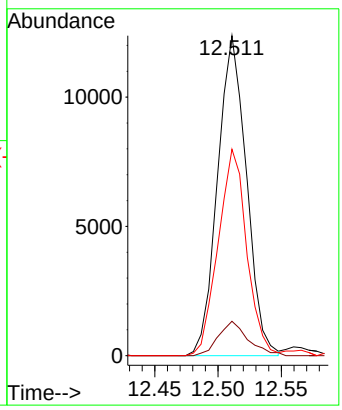




#75
1,1,2,2-Tetrachloroethane
Concen: 10.249 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 83 Resp: 1963

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.3	16.1
85	63.9	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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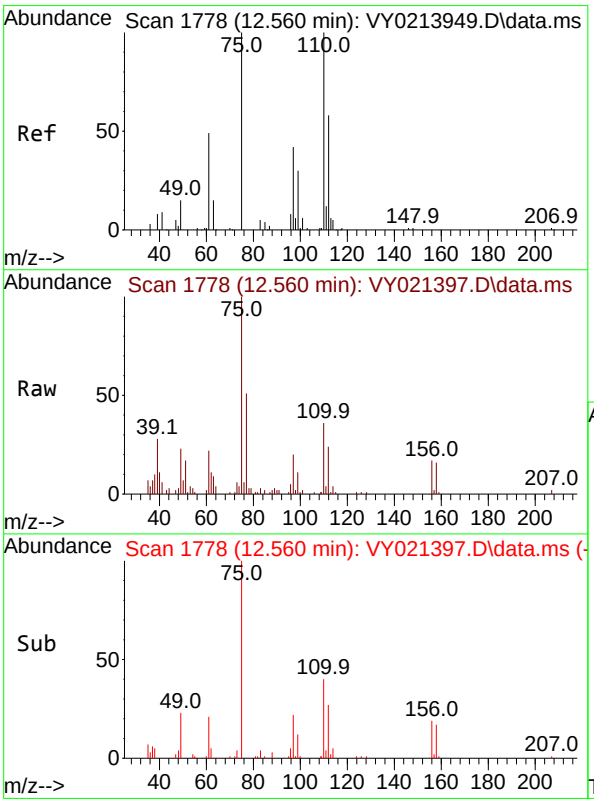
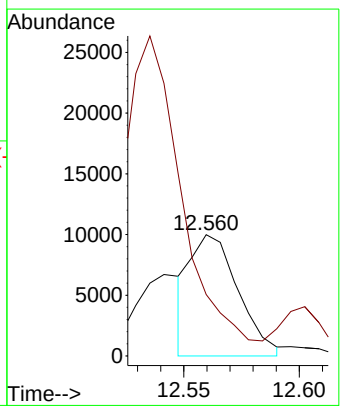
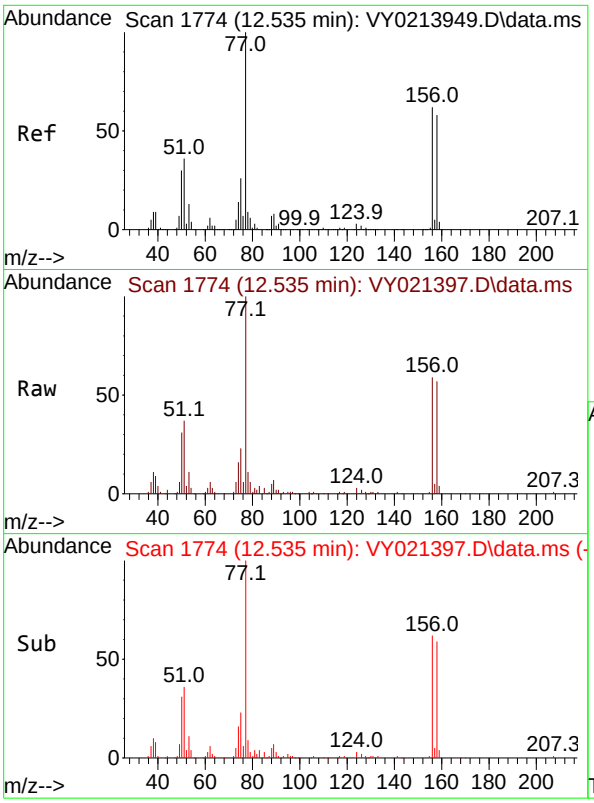


#76
1,2,3-Trichloropropane
Concen: 10.371 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 75 Resp: 14405

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 10.073 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:156 Resp: 2558

Ion	Ratio	Lower	Upper
156	100		
77	186.2	93.6	280.8
158	98.0	48.3	144.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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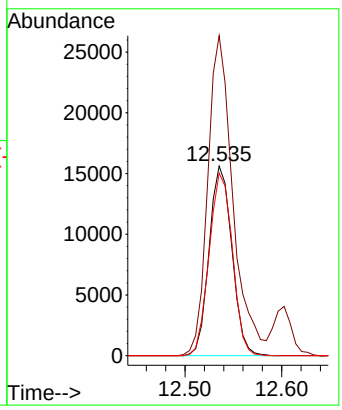
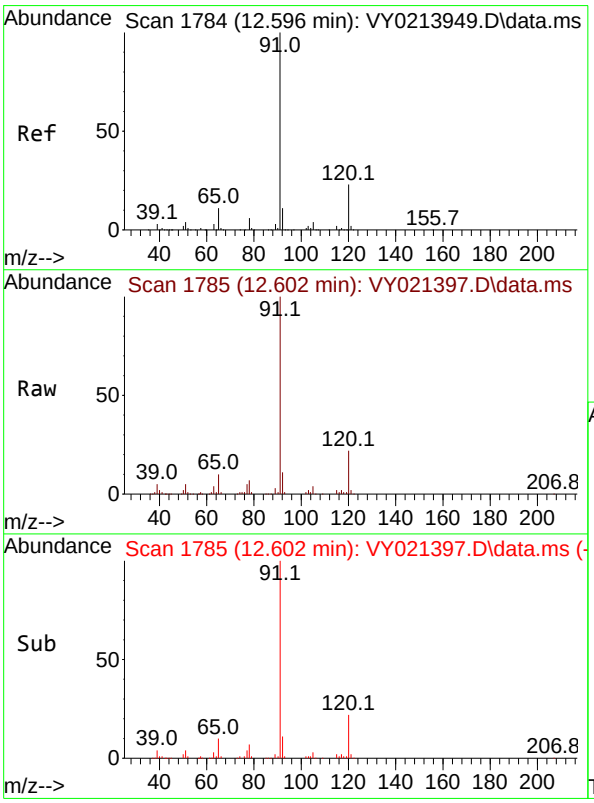
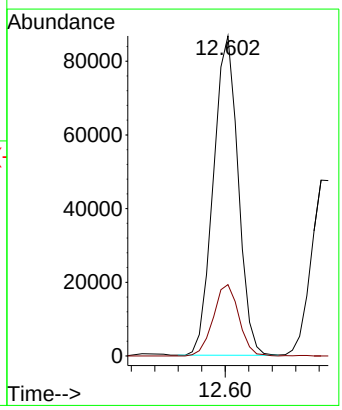


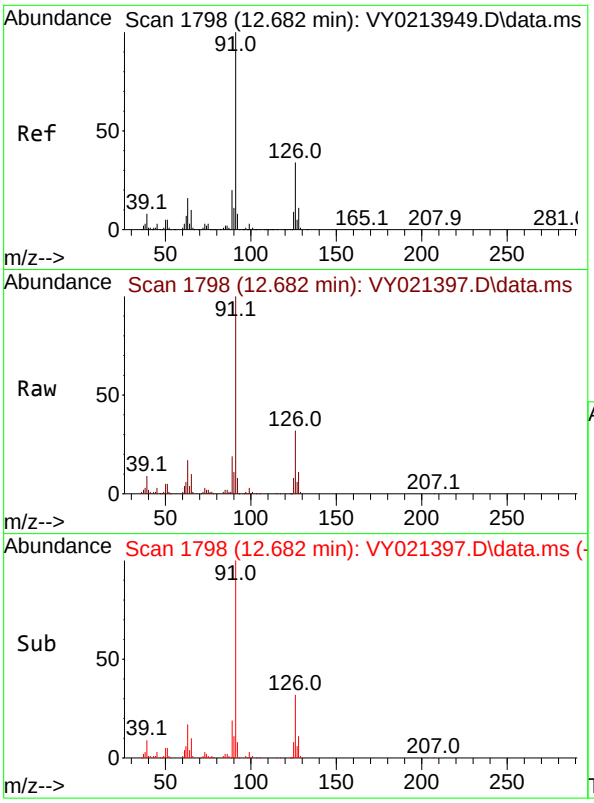


#78
n-propylbenzene
Concen: 9.626 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 91 Resp: 126938

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.3	33.8





#79
2-Chlorotoluene
Concen: 9.898 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 91 Resp: 7463

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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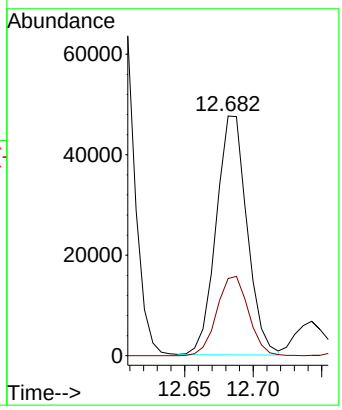
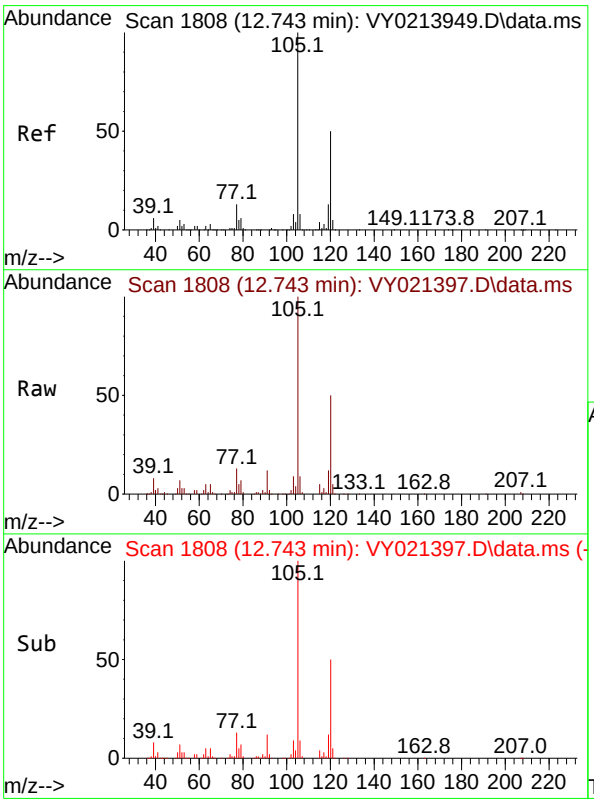
Supervised By :Semsettin Yesilyurt 03/06/2025

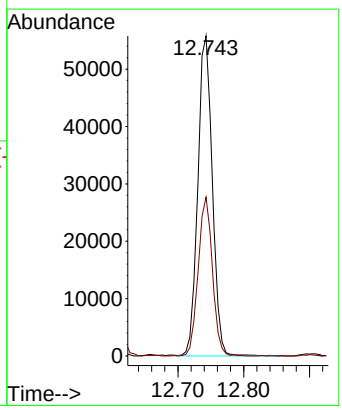


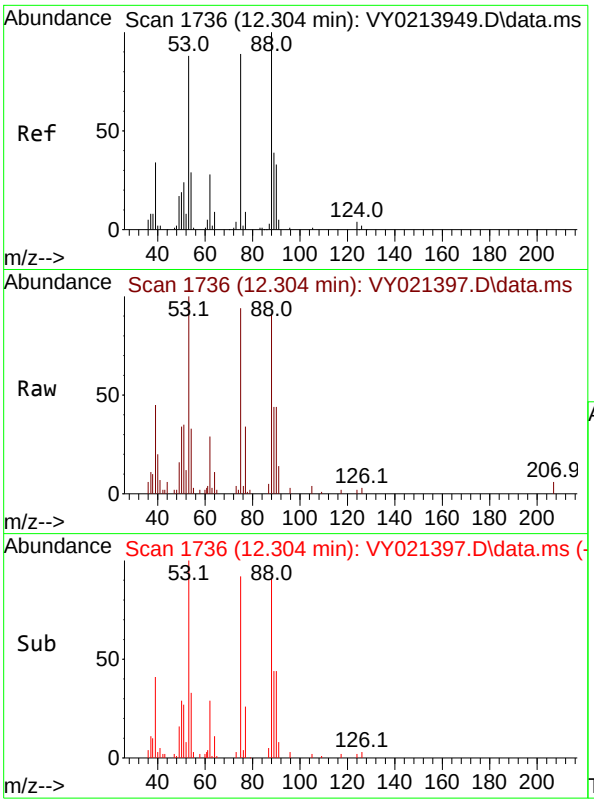


#80
1,3,5-Trimethylbenzene
Concen: 9.673 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:105 Resp: 85353

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.6	73.6

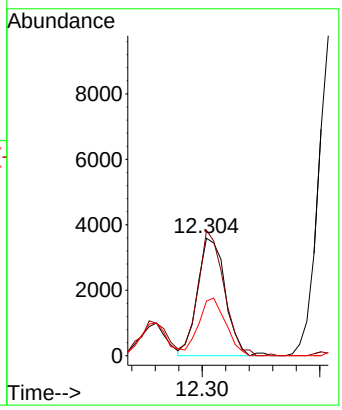




#81
trans-1,4-Dichloro-2-butene
Concen: 9.650 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 75 Resp: 589

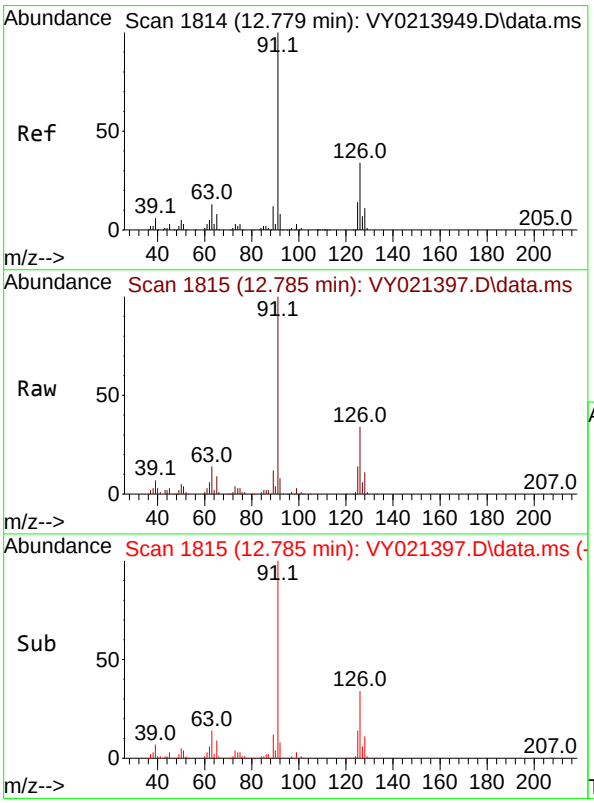
Ion	Ratio	Lower	Upper
75	100		
53	99.6	81.0	121.4
89	47.2	36.9	55.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

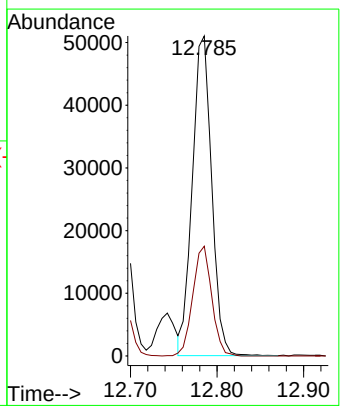
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

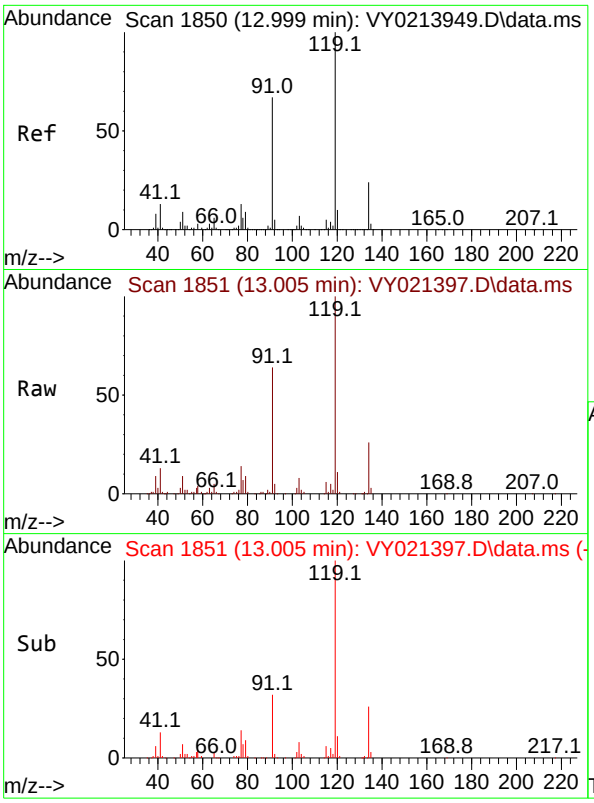


#82
4-Chlorotoluene
Concen: 10.118 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 91 Resp: 78997

Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.0	51.0

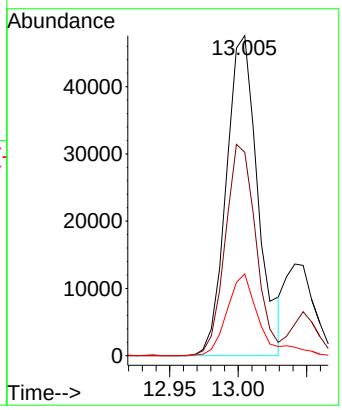




#83
tert-Butylbenzene
Concen: 9.705 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:119 Resp: 7639

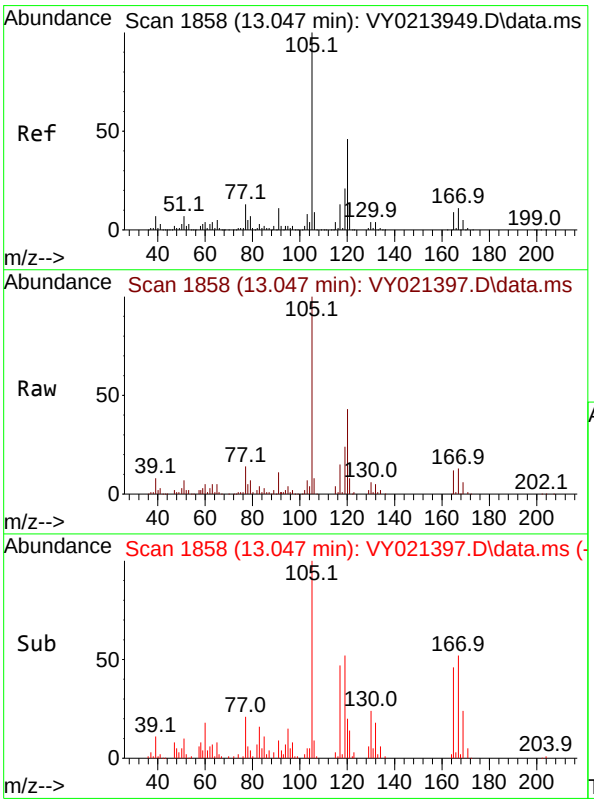
Ion	Ratio	Lower	Upper
119	100		
91	64.1	33.2	99.6
134	26.2	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

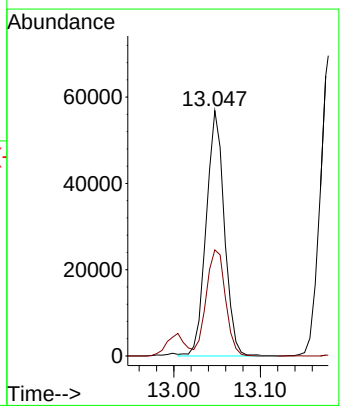
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

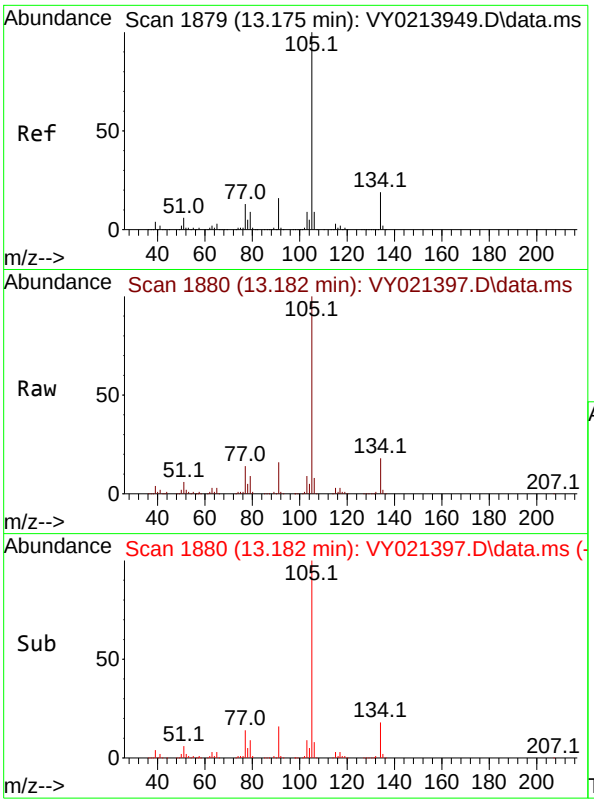


#84
1,2,4-Trimethylbenzene
Concen: 9.458 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:105 Resp: 82865

Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.7	68.1





#85
sec-Butylbenzene
Concen: 9.362 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

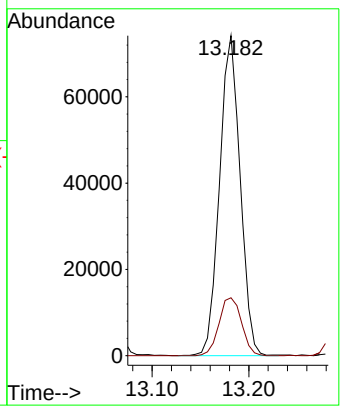
Tgt Ion:105 Resp: 10964

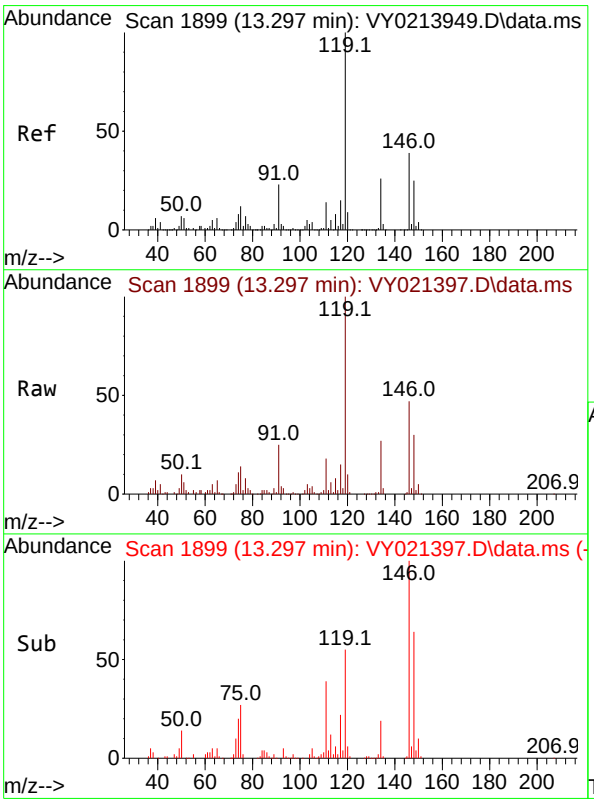
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

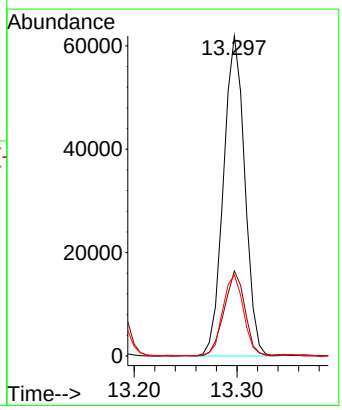


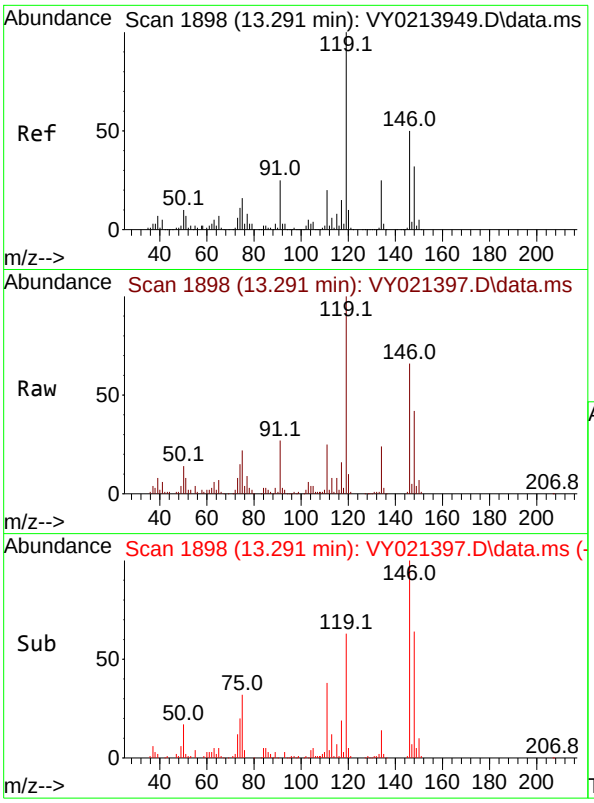


#86
p-Isopropyltoluene
Concen: 9.248 ug/l
RT: 13.297 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:119 Resp: 89228

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.1
91	24.5	12.2	36.6





#87
1,3-Dichlorobenzene
Concen: 10.147 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

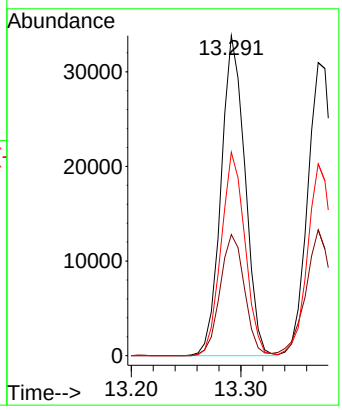
Tgt Ion:146 Resp: 5130

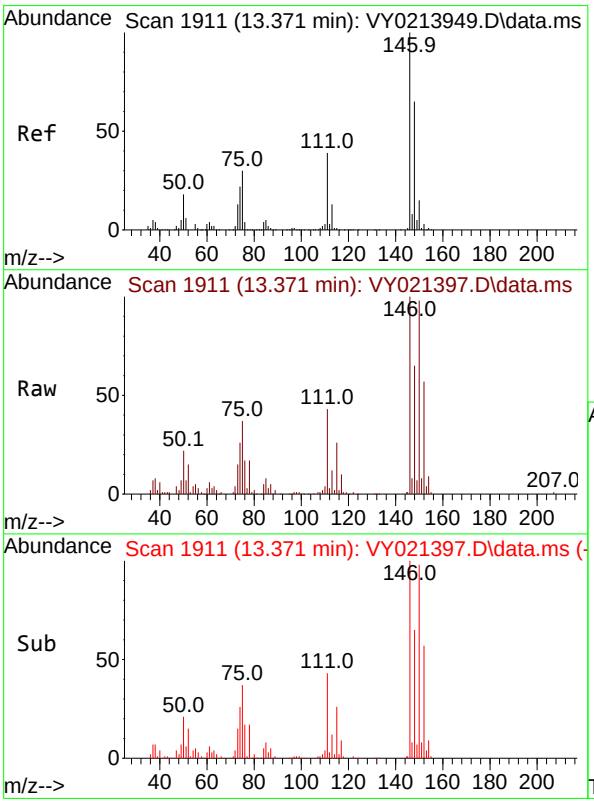
Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	60.0
148	63.3	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

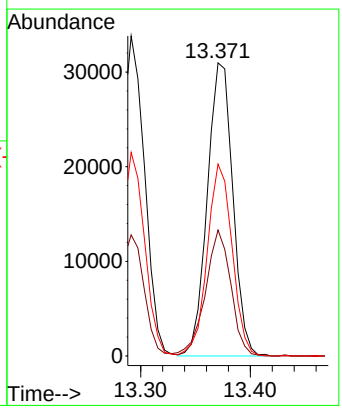


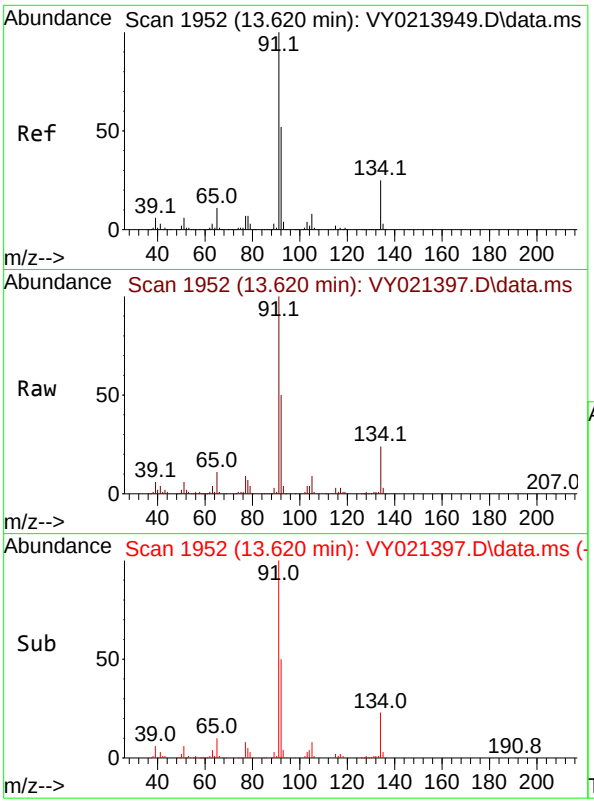


#88
1,4-Dichlorobenzene
Concen: 10.143 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:146 Resp: 50160

Ion	Ratio	Lower	Upper
146	100		
111	43.0	19.6	58.8
148	63.9	32.3	96.8





#89
n-Butylbenzene
Concen: 8.779 ug/l
RT: 13.620 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

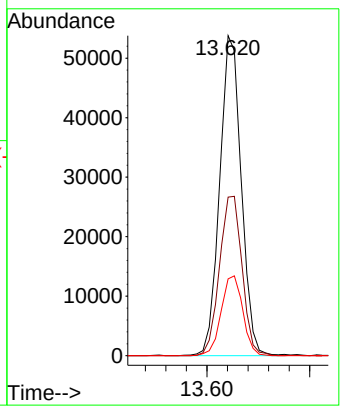
Tgt Ion: 91 Resp: 7821

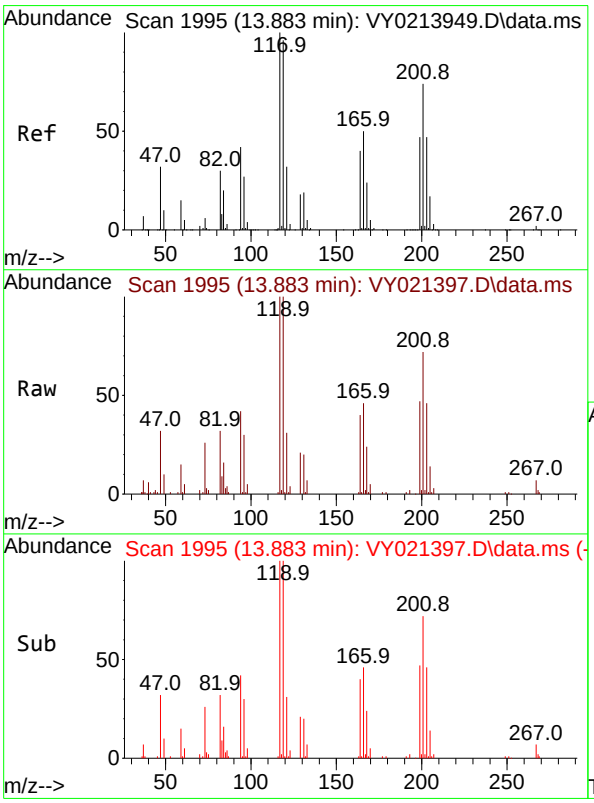
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	25.1	12.6	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

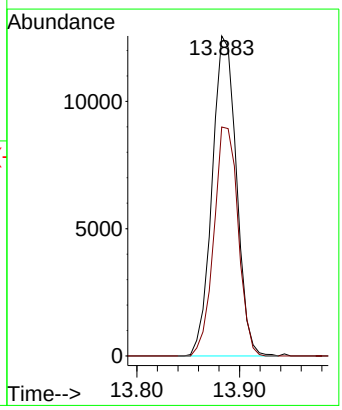


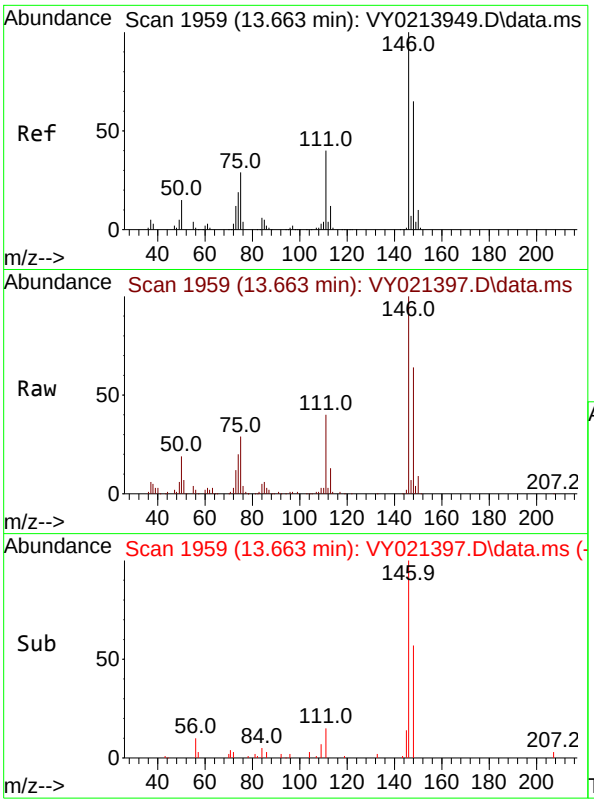


#90
Hexachloroethane
Concen: 9.998 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:117 Resp: 20579

Ion	Ratio	Lower	Upper
117	100		
201	71.5	37.4	112.2





#91
1,2-Dichlorobenzene
Concen: 9.929 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:146 Resp: 4302

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.7	62.1
148	66.3	32.1	96.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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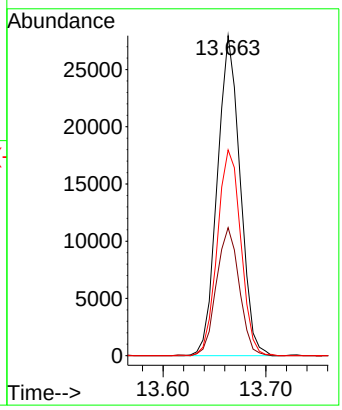
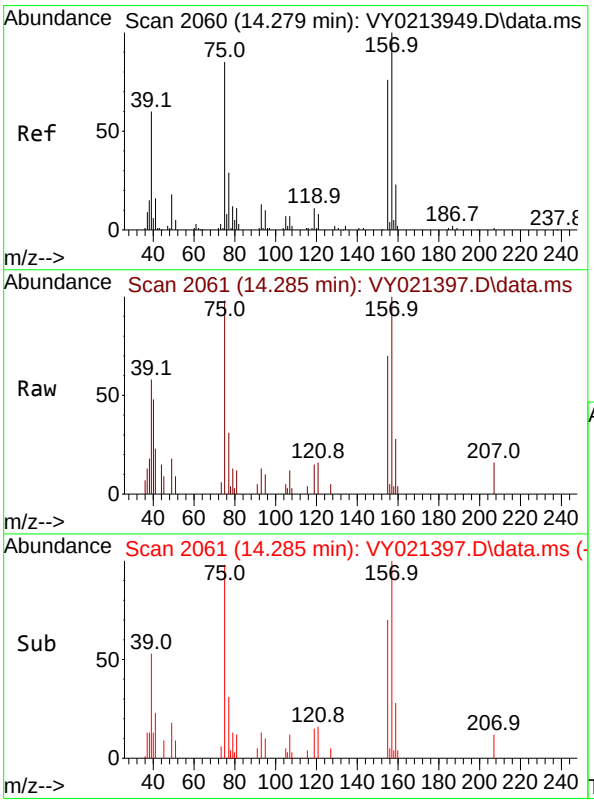
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

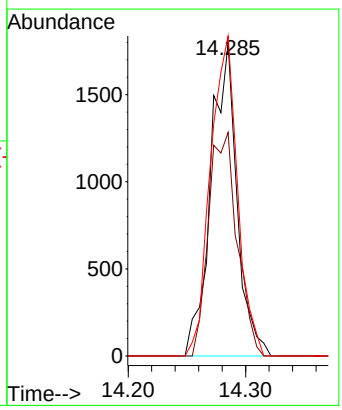


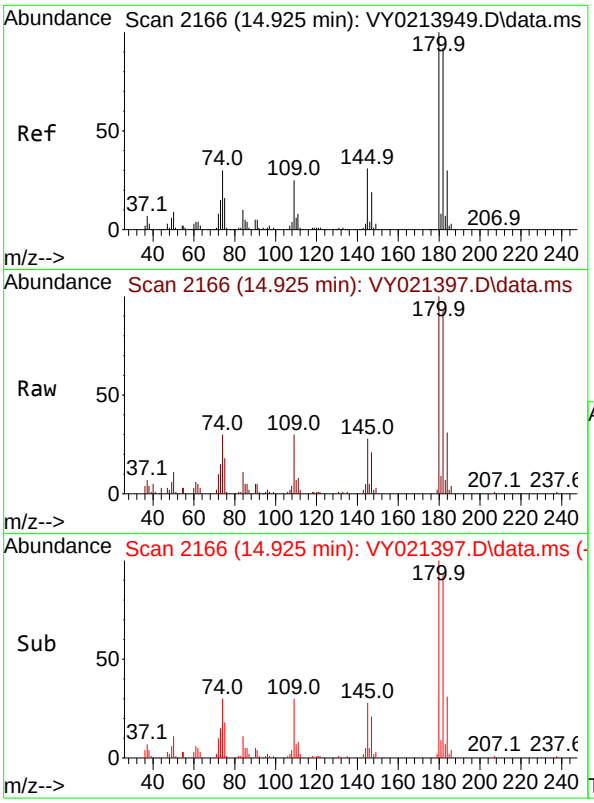


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.710 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion: 75 Resp: 2787

Ion	Ratio	Lower	Upper
75	100		
155	78.0	43.5	130.5
157	105.4	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 8.422 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:180 Resp: 1993

Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.7	140.0
145	31.1	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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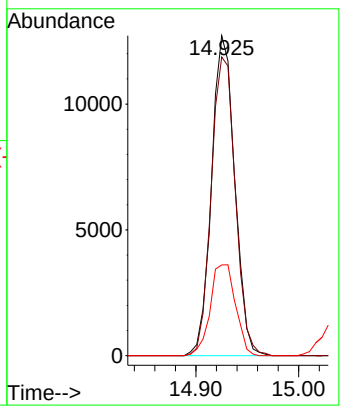
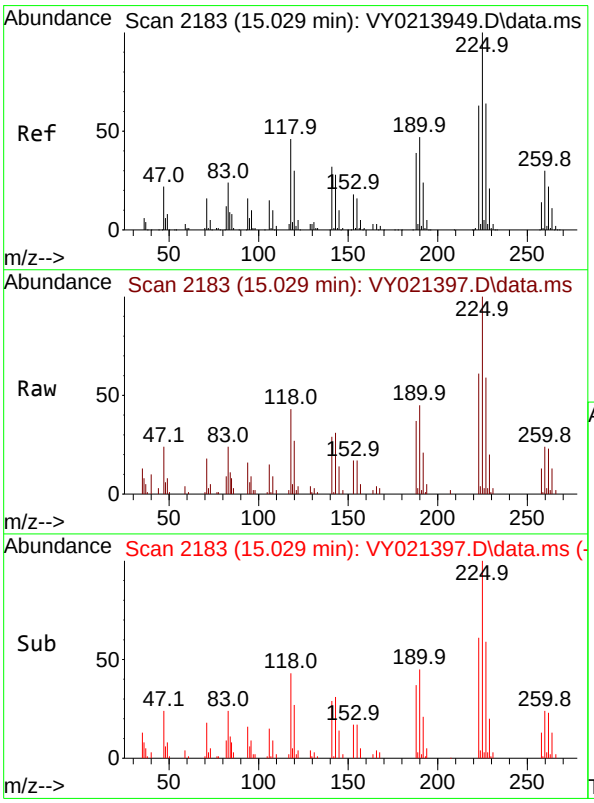
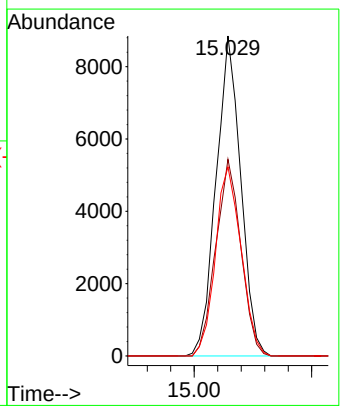


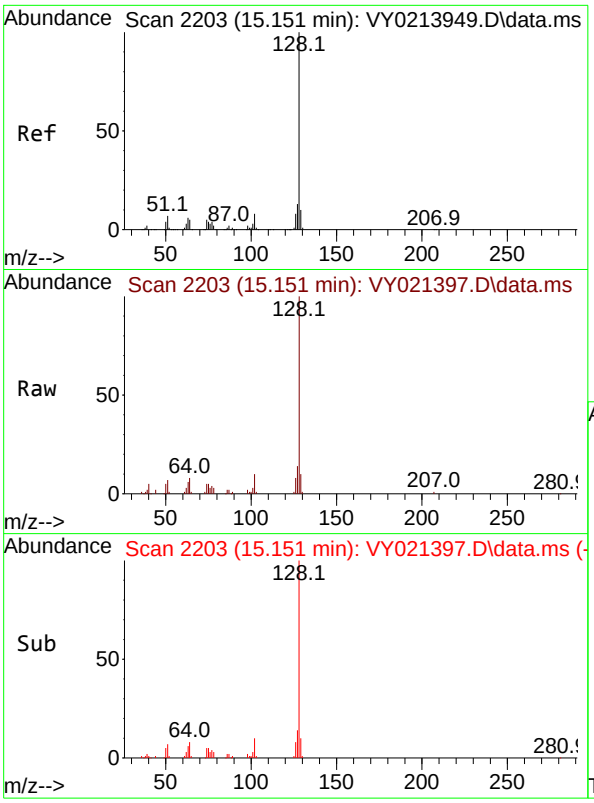


#94
Hexachlorobutadiene
Concen: 8.709 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:225 Resp: 12923

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.4	94.2
227	61.6	31.8	95.4

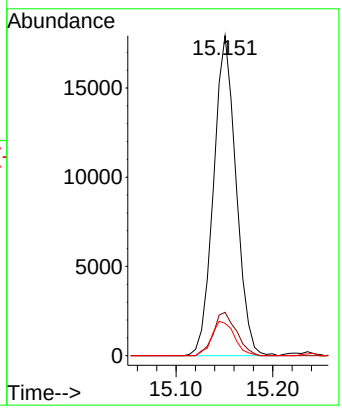




#95
Naphthalene
Concen: 9.071 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:128 Resp: 2889

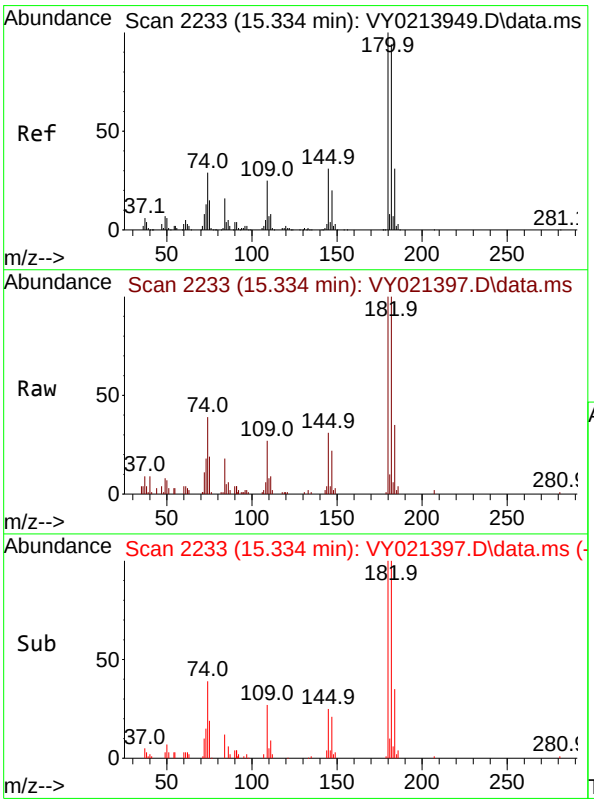
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	10.9	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

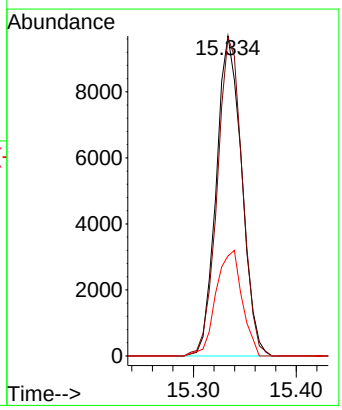
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 8.358 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021397.D
Acq: 04 Mar 2025 09:46

Tgt Ion:180 Resp: 16639

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.2	141.6
145	33.8	16.4	49.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021398.D
Acq On : 04 Mar 2025 10:09
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:58:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	234648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	364702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	318510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	158359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48282	19.468	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.940%#		
35) Dibromofluoromethane	7.640	113	45904	19.149	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.300%#		
50) Toluene-d8	10.109	98	172011	18.951	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	37.900%#		
62) 4-Bromofluorobenzene	12.407	95	57456	18.609	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	37.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39013	18.118	ug/l	99
3) Chloromethane	2.074	50	55232	18.193	ug/l	98
4) Vinyl Chloride	2.208	62	59949	18.070	ug/l	97
5) Bromomethane	2.598	94	42205	17.602	ug/l	97
6) Chloroethane	2.738	64	40060	18.272	ug/l	98
7) Trichlorofluoromethane	3.062	101	84097	18.161	ug/l	99
8) Diethyl Ether	3.458	74	23333	18.183	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.824	101	47597	18.003	ug/l	99
10) Methyl Iodide	4.007	142	48356	17.994	ug/l	99
11) Tert butyl alcohol	4.866	59	16988	91.100	ug/l	97
12) 1,1-Dichloroethene	3.799	96	43203	17.924	ug/l	96
13) Acrolein	3.659	56	20256	160.575	ug/l	90
14) Allyl chloride	4.397	41	69859	17.935	ug/l	99
15) Acrylonitrile	5.067	53	49390	90.413	ug/l	99
16) Acetone	3.872	43	42878	79.267	ug/l	97
17) Carbon Disulfide	4.110	76	133782	17.710	ug/l	98
18) Methyl Acetate	4.391	43	21340	17.780	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	110487	18.085	ug/l	97
20) Methylene Chloride	4.628	84	50462	17.772	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	48412	17.935	ug/l	98
22) Diisopropyl ether	6.024	45	157248	18.732	ug/l	96
23) Vinyl Acetate	5.970	43	439671	91.773	ug/l	99
24) 1,1-Dichloroethane	5.921	63	89625	18.090	ug/l	98
25) 2-Butanone	6.902	43	63994	85.523	ug/l	92
26) 2,2-Dichloropropane	6.890	77	80697	17.702	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	55597	18.130	ug/l	99
28) Bromochloromethane	7.250	49	39711	19.118	ug/l	98
29) Tetrahydrofuran	7.274	42	41984	90.885	ug/l	98
30) Chloroform	7.427	83	93077	18.092	ug/l	98
31) Cyclohexane	7.707	56	83067	17.884	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	83884	17.807	ug/l	99
36) 1,1-Dichloropropene	7.841	75	67437	17.972	ug/l	98
37) Ethyl Acetate	6.988	43	30017m	17.733	ug/l	
38) Carbon Tetrachloride	7.823	117	78440	18.176	ug/l	99
39) Methylcyclohexane	9.115	83	80192	17.422	ug/l	100
40) Benzene	8.085	78	199273	18.027	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021398.D
Acq On : 04 Mar 2025 10:09
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:58:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	15135	16.416	ug/l	#	77
42) 1,2-Dichloroethane	8.164	62	56356	18.224	ug/l		100
43) Isopropyl Acetate	8.201	43	56260	17.474	ug/l	#	87
44) Trichloroethene	8.865	130	50961	18.244	ug/l		97
45) 1,2-Dichloropropane	9.146	63	48565	18.460	ug/l		93
46) Dibromomethane	9.231	93	26972	18.426	ug/l		99
47) Bromodichloromethane	9.426	83	70770	18.205	ug/l		99
48) Methyl methacrylate	9.225	41	26835	17.976	ug/l		97
49) 1,4-Dioxane	9.237	88	5448	379.181	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	147076	88.535	ug/l		99
52) Toluene	10.176	92	124450	17.858	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	61342	17.911	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	72678	17.873	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	34630	18.085	ug/l		98
56) Ethyl methacrylate	10.444	69	42134	17.253	ug/l		99
57) 1,3-Dichloropropane	10.719	76	61443	18.514	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	101217	89.786	ug/l		100
59) 2-Hexanone	10.768	43	94397	85.937	ug/l		98
60) Dibromochloromethane	10.914	129	47714	18.176	ug/l		98
61) 1,2-Dibromoethane	11.017	107	32927	18.220	ug/l		96
64) Tetrachloroethene	10.652	164	47121	18.193	ug/l		97
65) Chlorobenzene	11.444	112	135648	18.035	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	47998	18.050	ug/l		99
67) Ethyl Benzene	11.523	91	232468	17.609	ug/l		99
68) m/p-Xylenes	11.633	106	179664	35.847	ug/l		99
69) o-Xylene	11.956	106	80909	17.516	ug/l		98
70) Styrene	11.975	104	138147	18.027	ug/l		99
71) Bromoform	12.133	173	27186	18.288	ug/l	#	99
73) Isopropylbenzene	12.255	105	219699	17.612	ug/l		99
74) N-amyl acetate	12.072	43	47062	17.372	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	40373	18.341	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	27215m	17.055	ug/l		
77) Bromobenzene	12.536	156	52163	17.874	ug/l		97
78) n-propylbenzene	12.596	91	269961	17.819	ug/l		99
79) 2-Chlorotoluene	12.682	91	155109	17.906	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	183398	18.091	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	12253	17.456	ug/l		98
82) 4-Chlorotoluene	12.779	91	160509	17.893	ug/l		99
83) tert-Butylbenzene	12.999	119	157912	17.461	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	183733	18.254	ug/l		100
85) sec-Butylbenzene	13.182	105	243719	18.113	ug/l		100
86) p-Isopropyltoluene	13.298	119	198423	17.900	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	103878	17.882	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	102862	18.106	ug/l		100
89) n-Butylbenzene	13.621	91	181603	17.741	ug/l		99
90) Hexachloroethane	13.883	117	41098	17.379	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	90658	18.208	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5850	17.741	ug/l		92
93) 1,2,4-Trichlorobenzene	14.925	180	46578	17.127	ug/l		100
94) Hexachlorobutadiene	15.029	225	30431	17.851	ug/l		98
95) Naphthalene	15.145	128	72734	17.845	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	38873	16.996	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021398.D
Acq On : 04 Mar 2025 10:09
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:58:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021398.D
Acq On : 04 Mar 2025 10:09
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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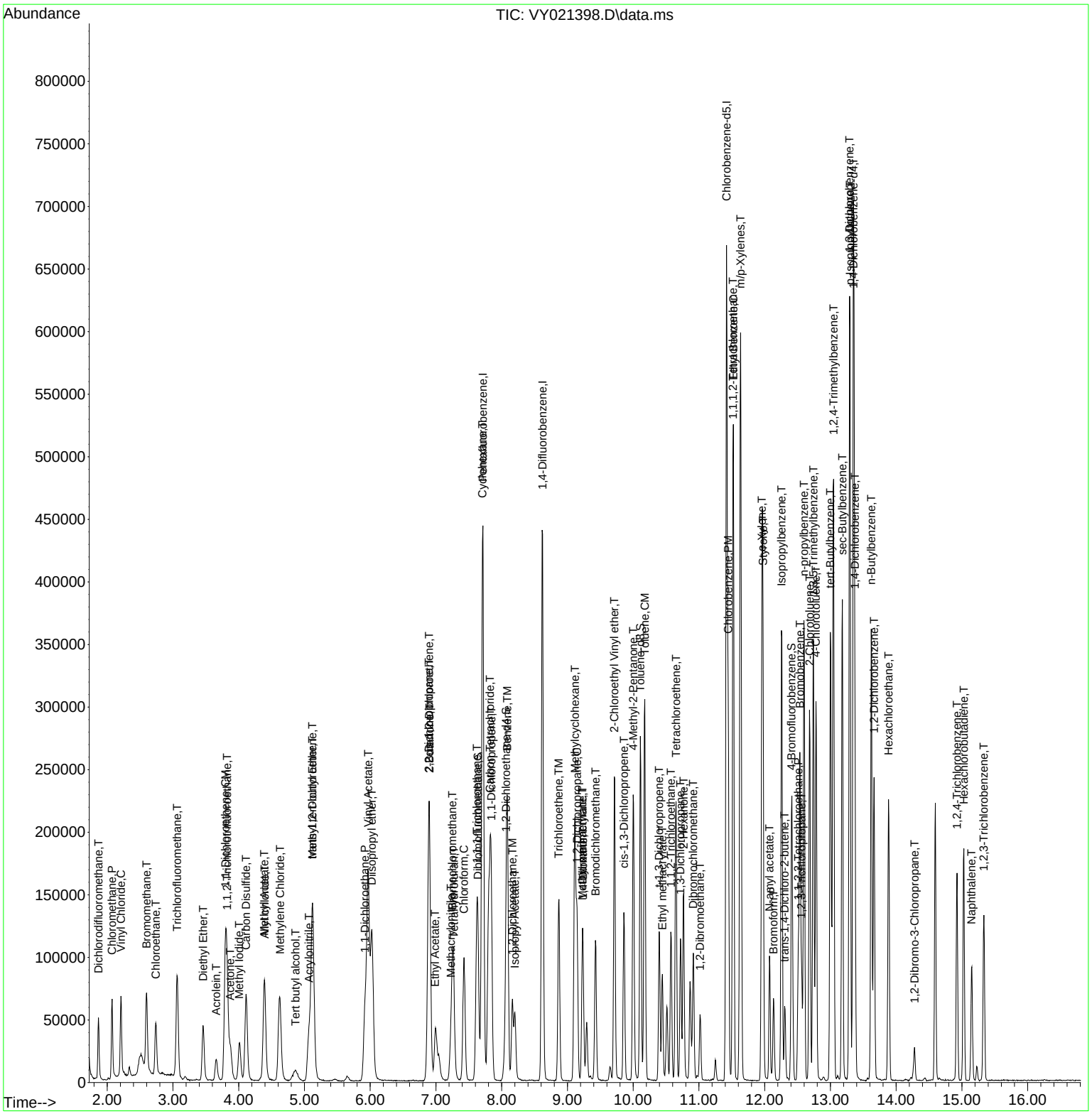
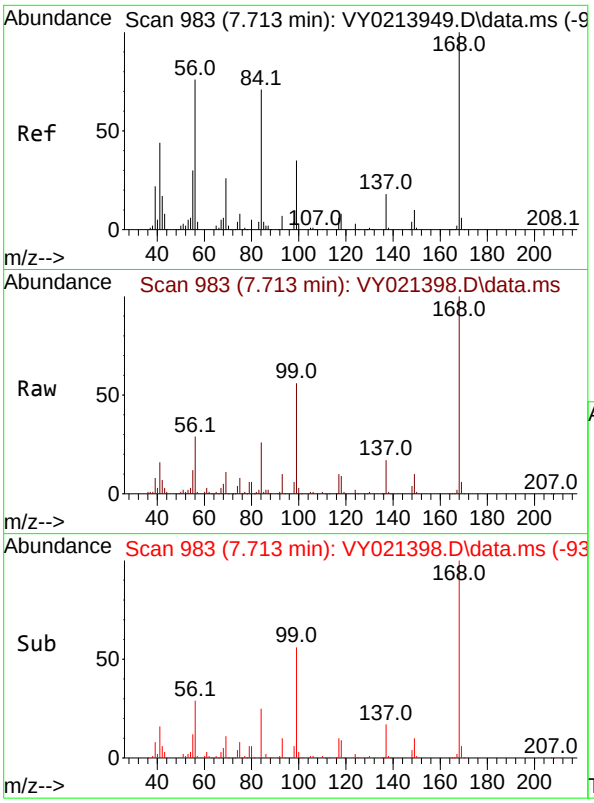
Quant Time: Mar 05 02:58:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

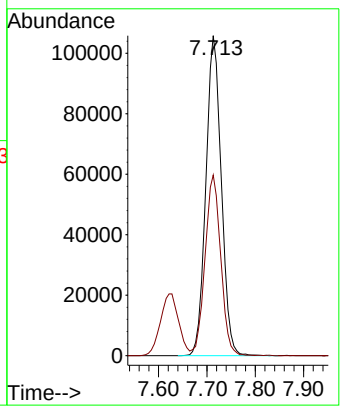




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:168 Resp: 23464

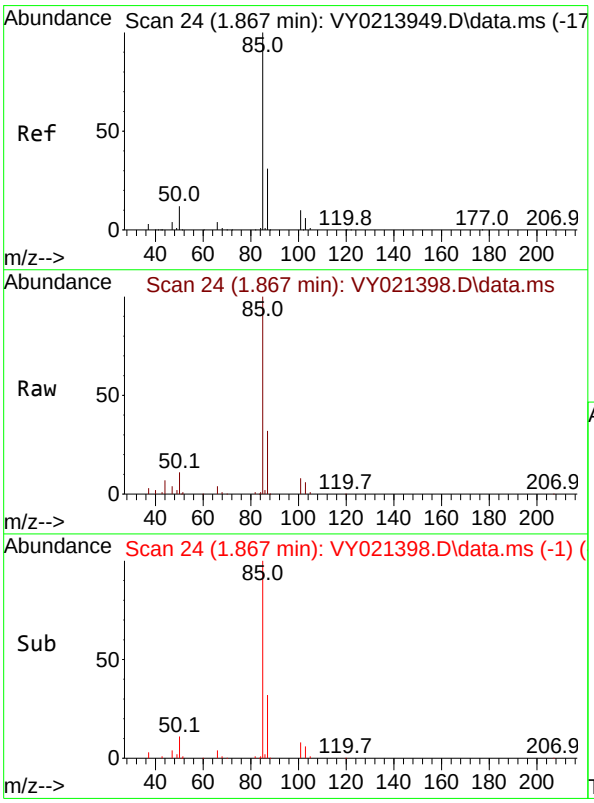
Ion	Ratio	Lower	Upper
168	100		
99	56.5	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

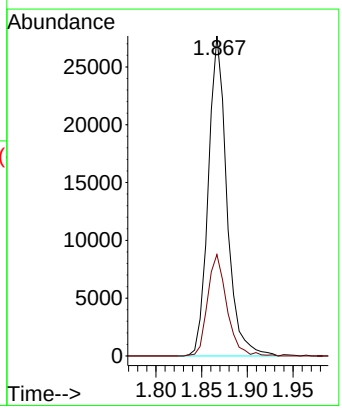
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

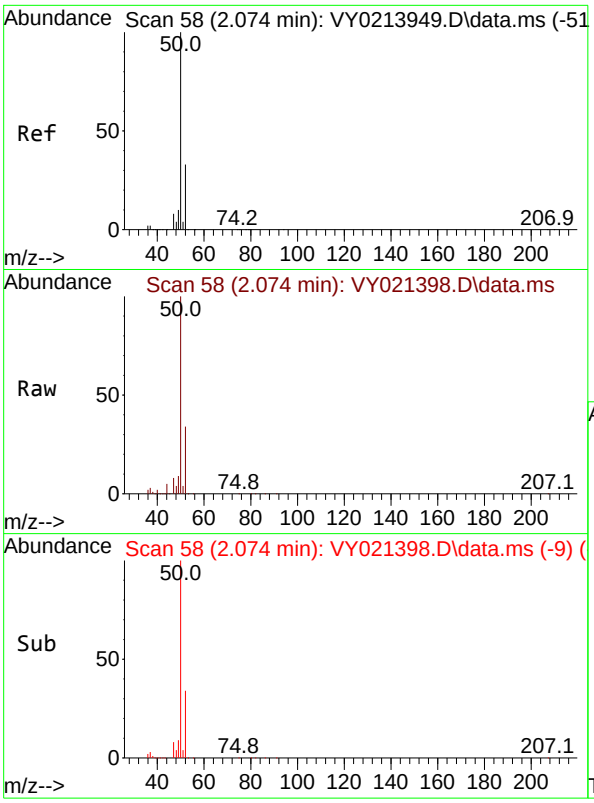


#2
Dichlorodifluoromethane
Concen: 18.118 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 85 Resp: 39013

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.7	47.0

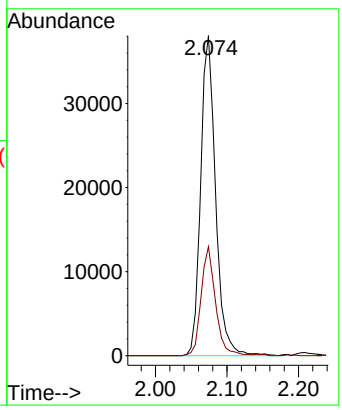




#3
Chloromethane
Concen: 18.193 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 50 Resp: 5523

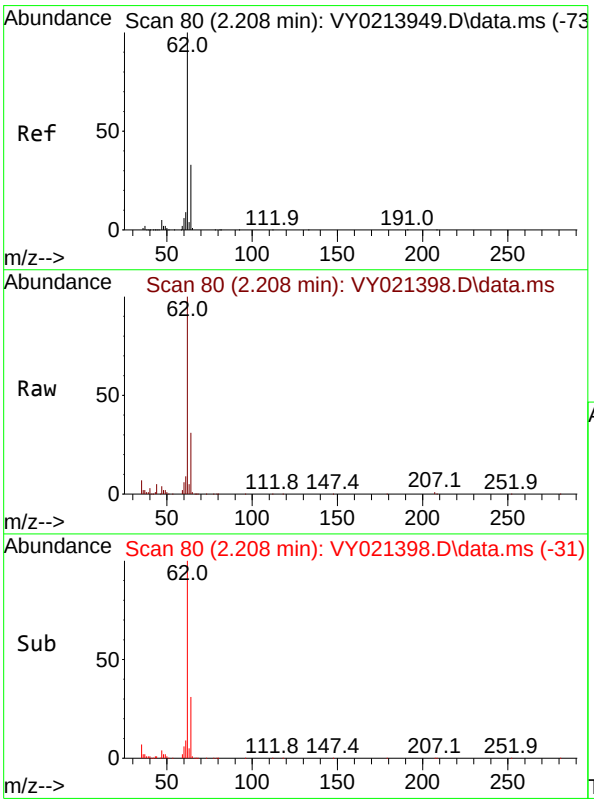
Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

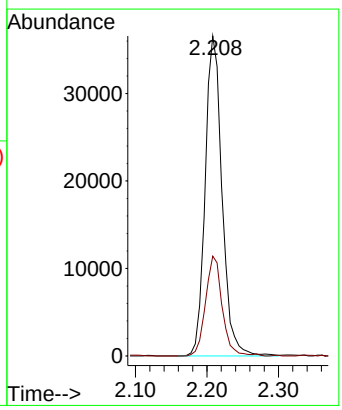
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

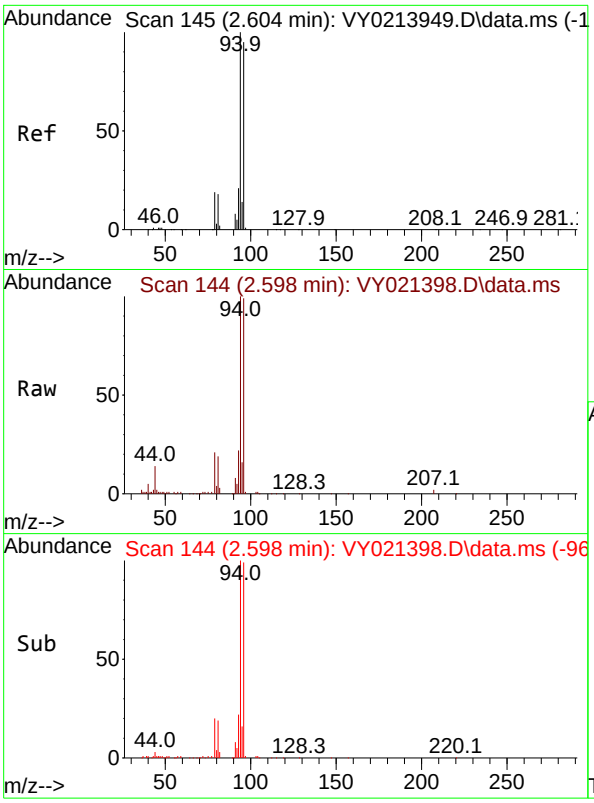


#4
Vinyl Chloride
Concen: 18.070 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 62 Resp: 59949

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.2	39.2

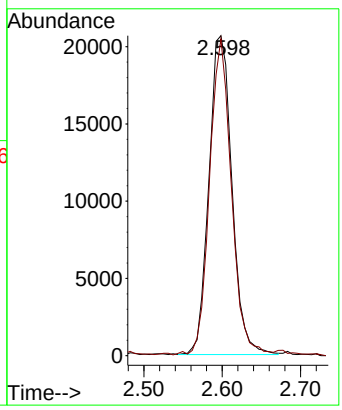




#5
Bromomethane
Concen: 17.602 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 94 Resp: 4220

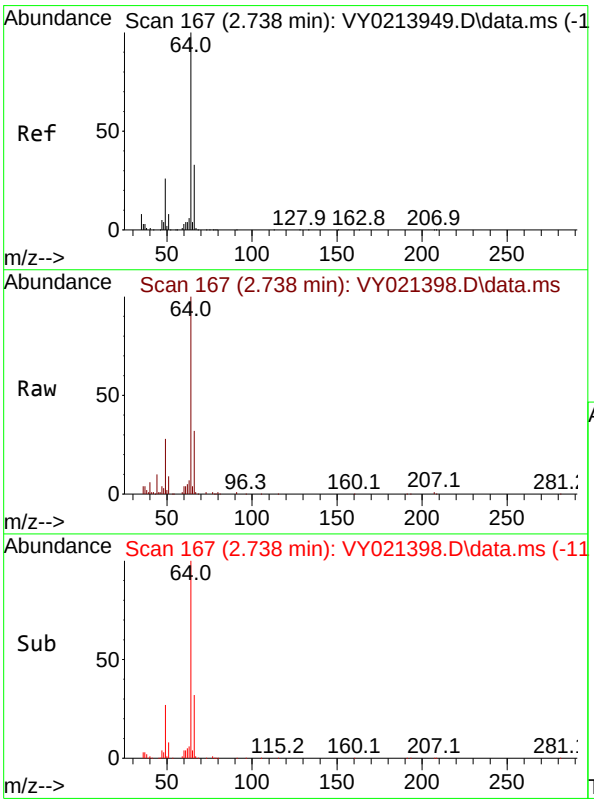
Ion	Ratio	Lower	Upper
94	100		
96	98.6	76.3	114.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

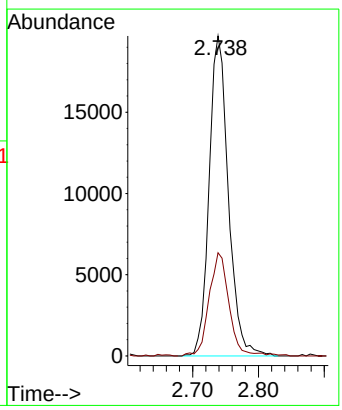
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

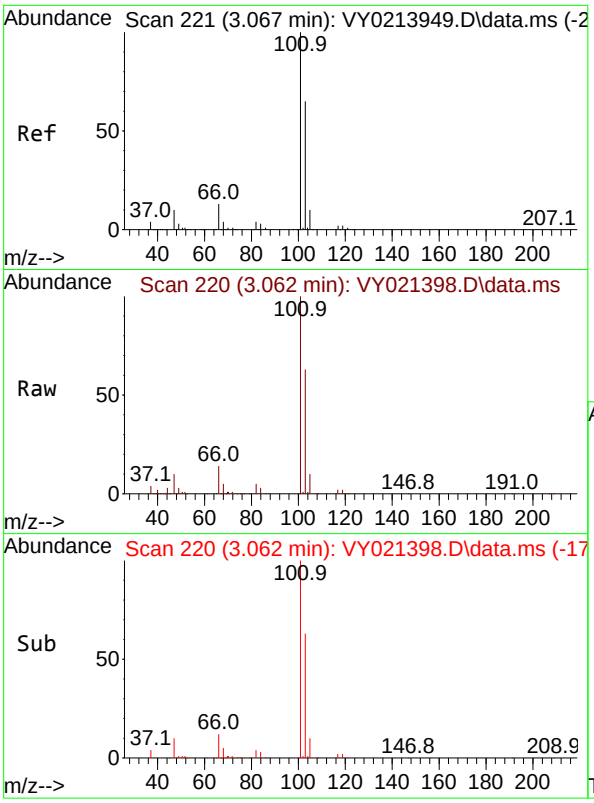


#6
Chloroethane
Concen: 18.272 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 64 Resp: 40060

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.7	40.1





#7
Trichlorofluoromethane
Concen: 18.161 ug/l
RT: 3.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

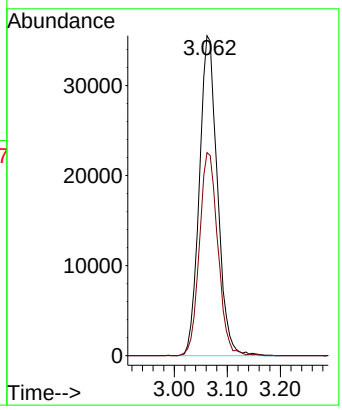
Tgt Ion:101 Resp: 8409

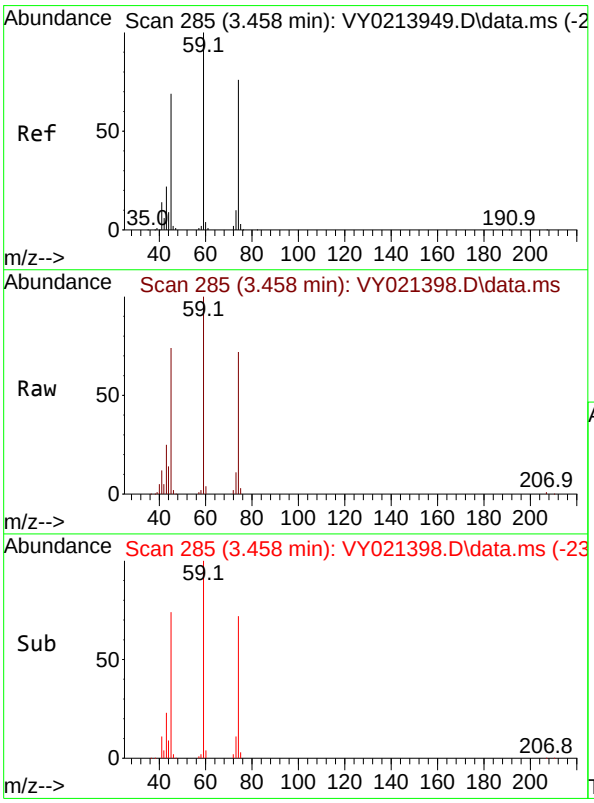
Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

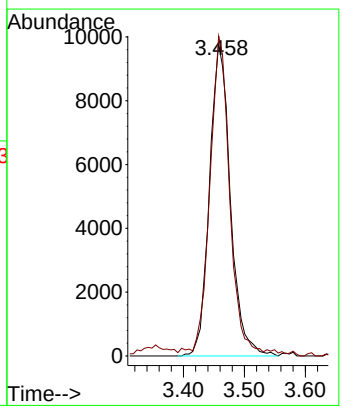


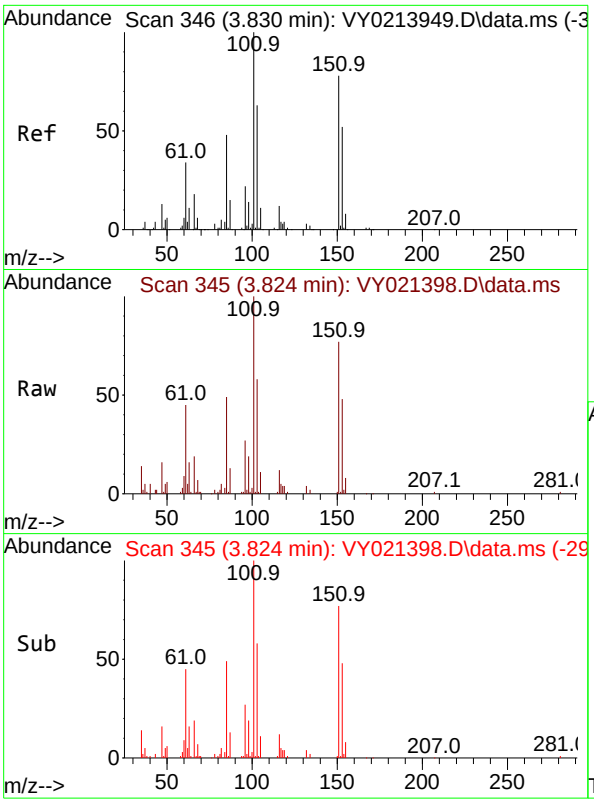


#8
Diethyl Ether
Concen: 18.183 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 74 Resp: 23333

Ion	Ratio	Lower	Upper
74	100		
45	95.1	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.003 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

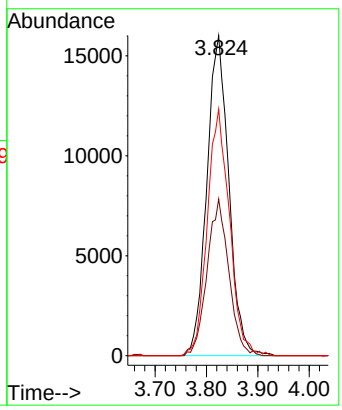
Tgt Ion:101 Resp: 4759

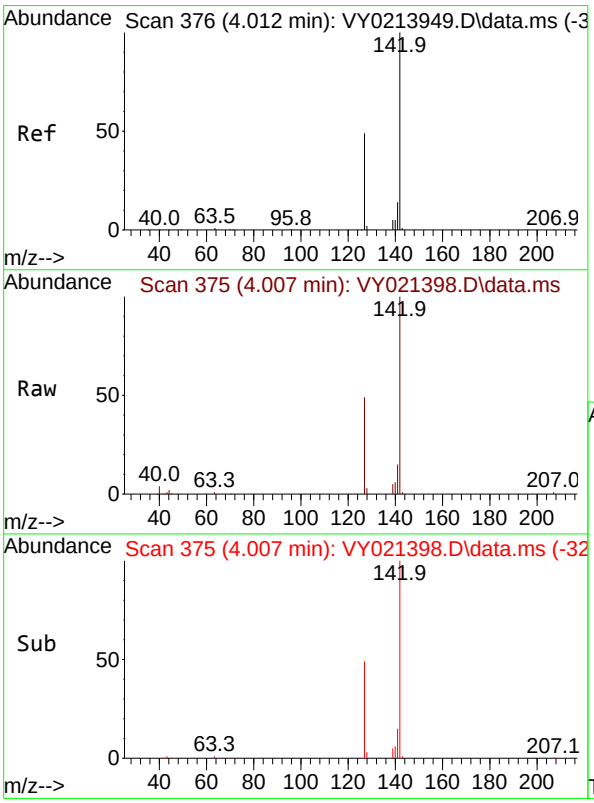
Ion	Ratio	Lower	Upper
101	100		
85	48.2	37.1	55.7
151	77.8	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

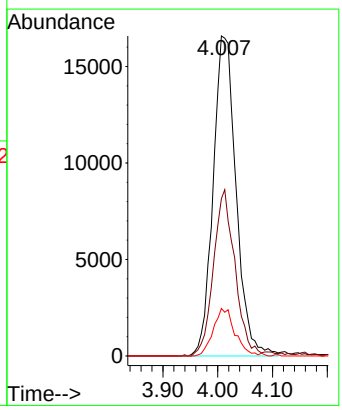


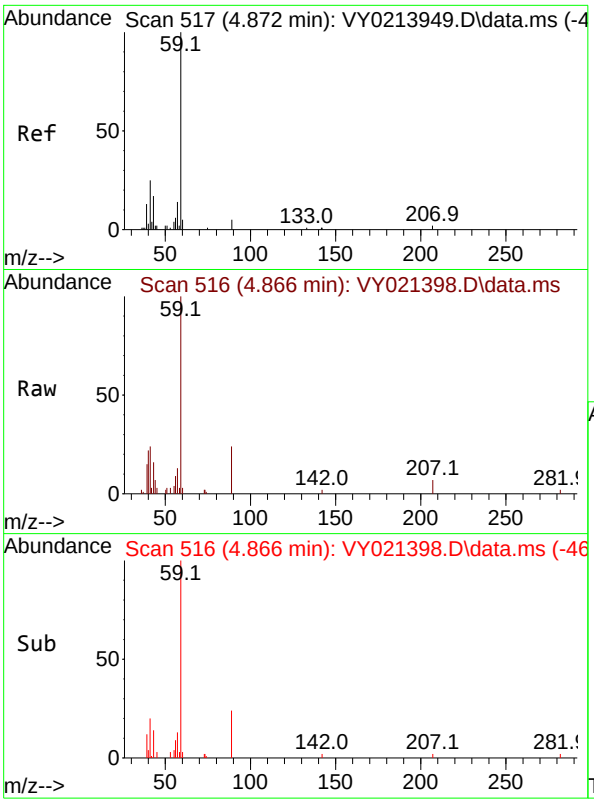


#10
Methyl Iodide
Concen: 17.994 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:142 Resp: 48356

Ion	Ratio	Lower	Upper
142	100		
127	48.5	39.1	58.7
141	14.1	11.8	17.6





#11
Tert butyl alcohol
Concen: 91.100 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 59 Resp: 1698

Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.2	12.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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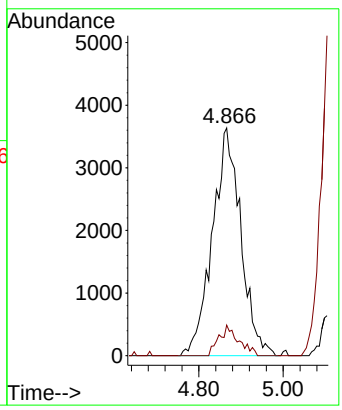
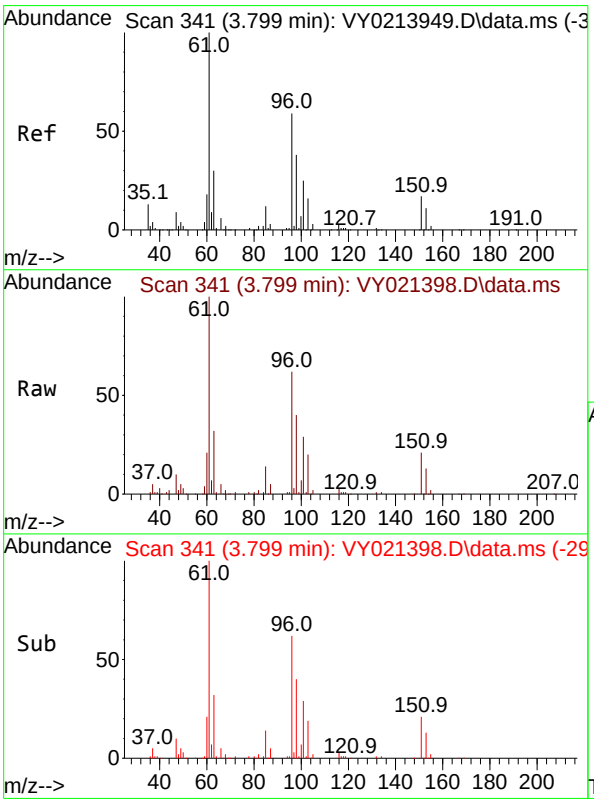
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

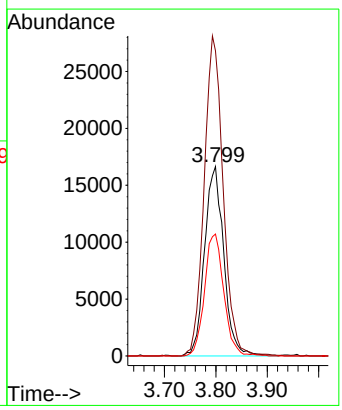


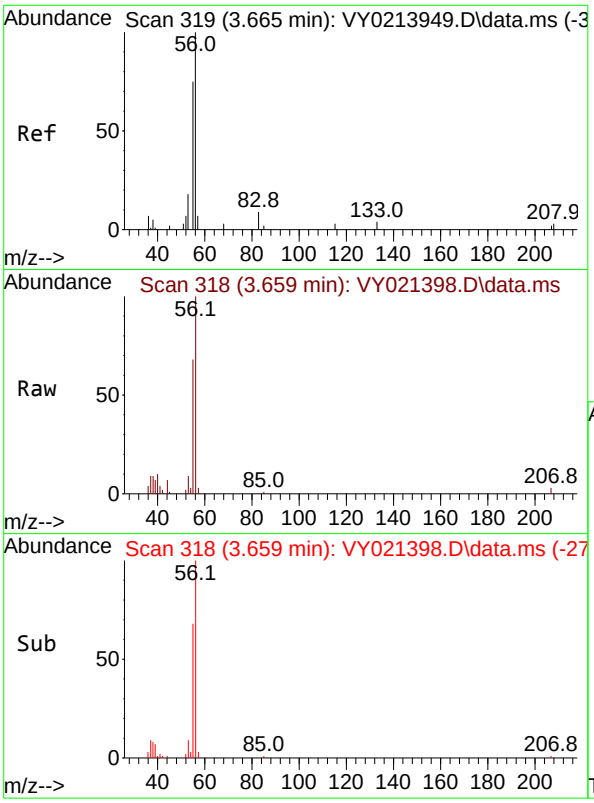


#12
1,1-Dichloroethene
Concen: 17.924 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 96 Resp: 43203

Ion	Ratio	Lower	Upper
96	100		
61	161.1	135.2	202.8
98	64.4	51.4	77.2





#13
Acrolein
Concen: 160.575 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 56 Resp: 2025

Ion	Ratio	Lower	Upper
56	100		
55	70.4	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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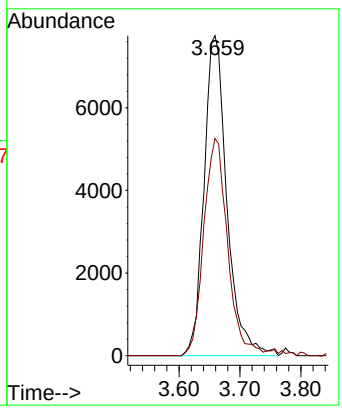
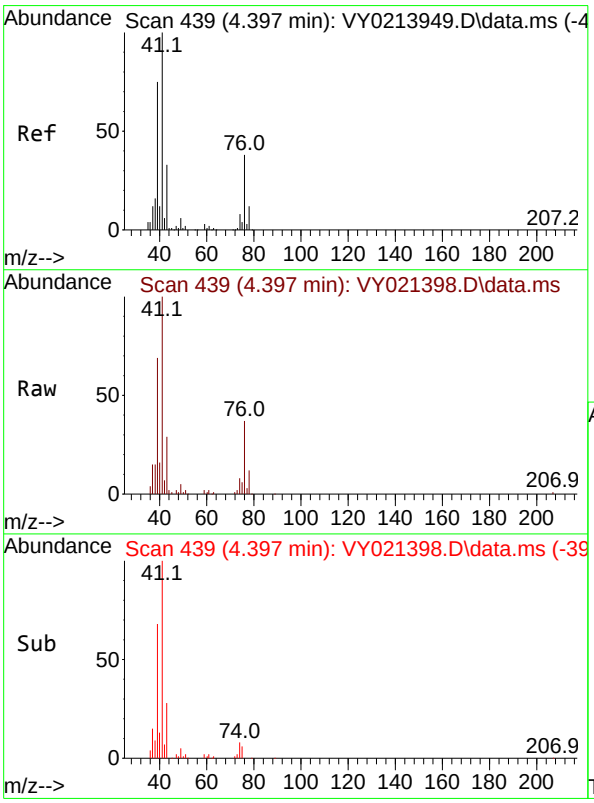
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

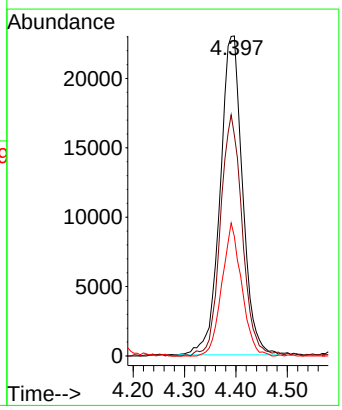


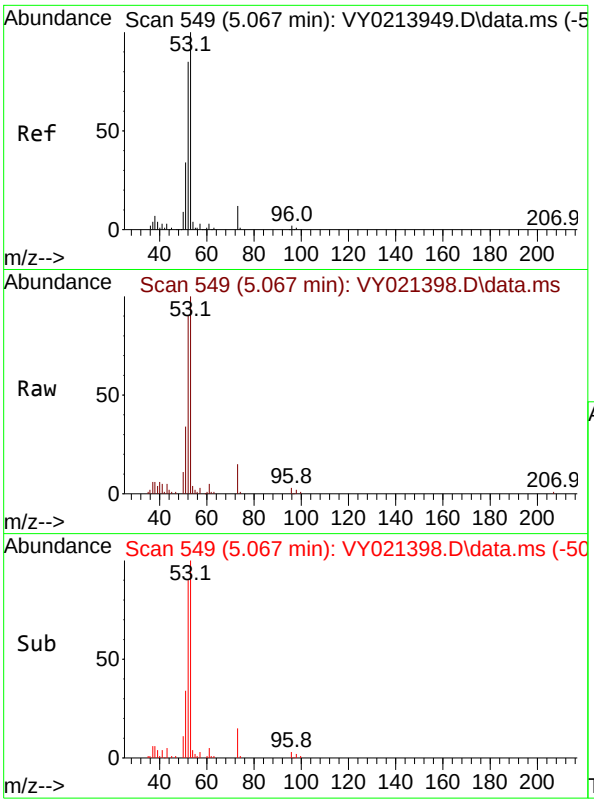


#14
Allyl chloride
Concen: 17.935 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 41 Resp: 69859

Ion	Ratio	Lower	Upper
41	100		
39	73.8	59.3	88.9
76	36.7	29.8	44.8

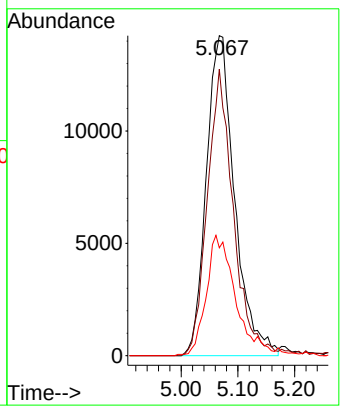




#15
Acrylonitrile
Concen: 90.413 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 53 Resp: 4939

Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.3	99.5
51	38.6	30.3	45.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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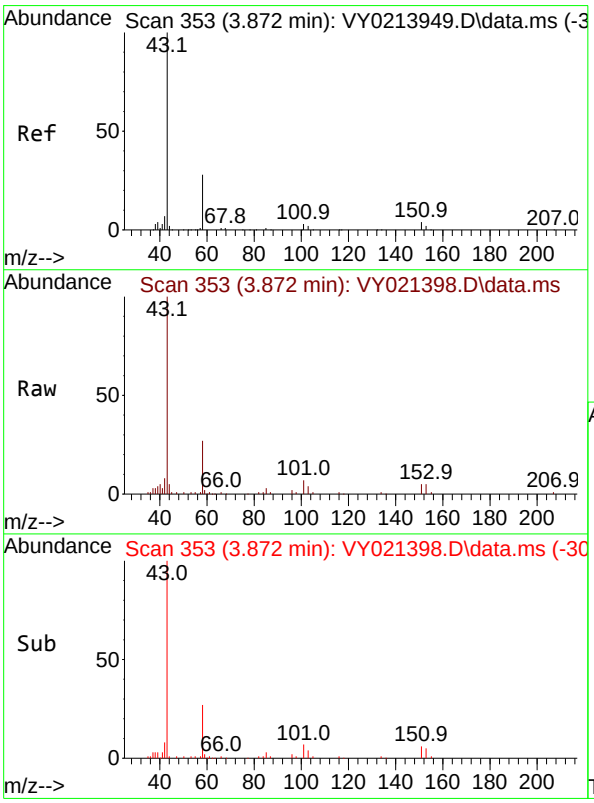
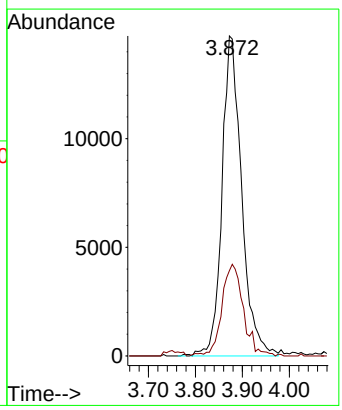
Supervised By :Semsettin Yesilyurt 03/06/2025

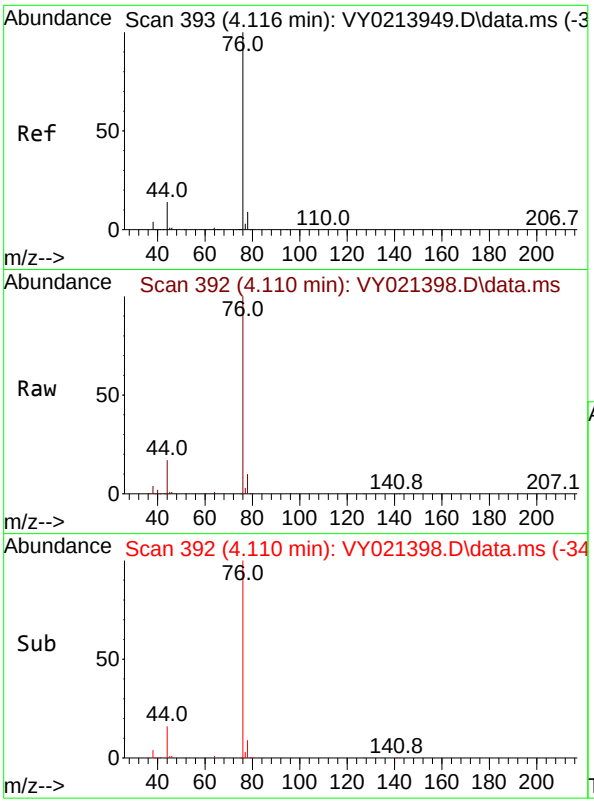


#16
Acetone
Concen: 79.267 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 43 Resp: 42878

Ion	Ratio	Lower	Upper
43	100		
58	26.1	22.1	33.1





#17
Carbon Disulfide
Concen: 17.710 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 76 Resp: 13378

Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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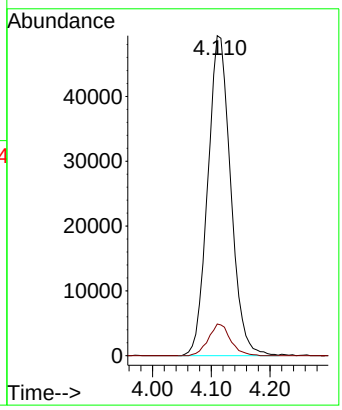
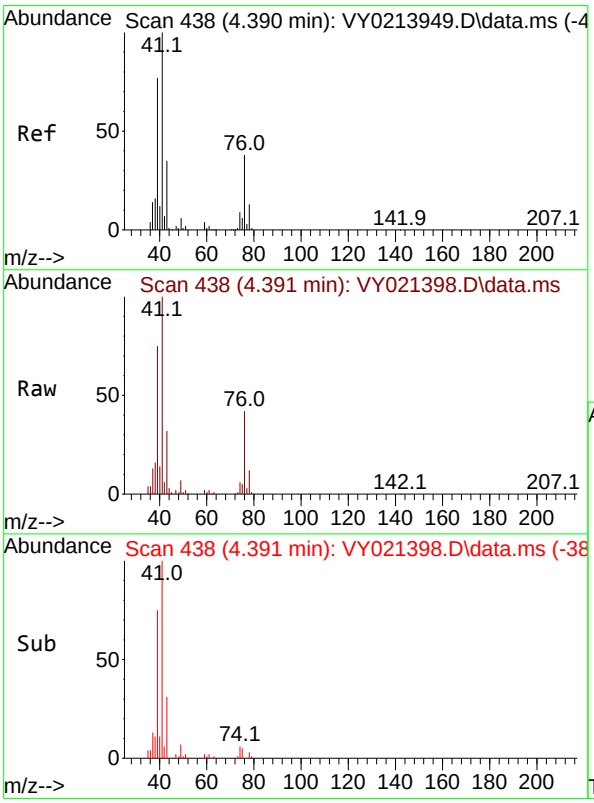
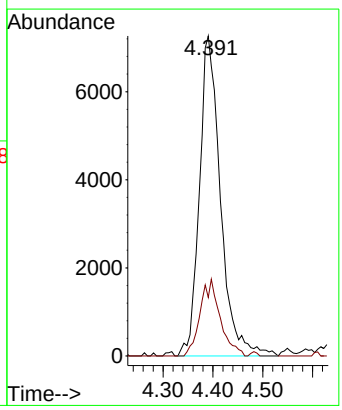


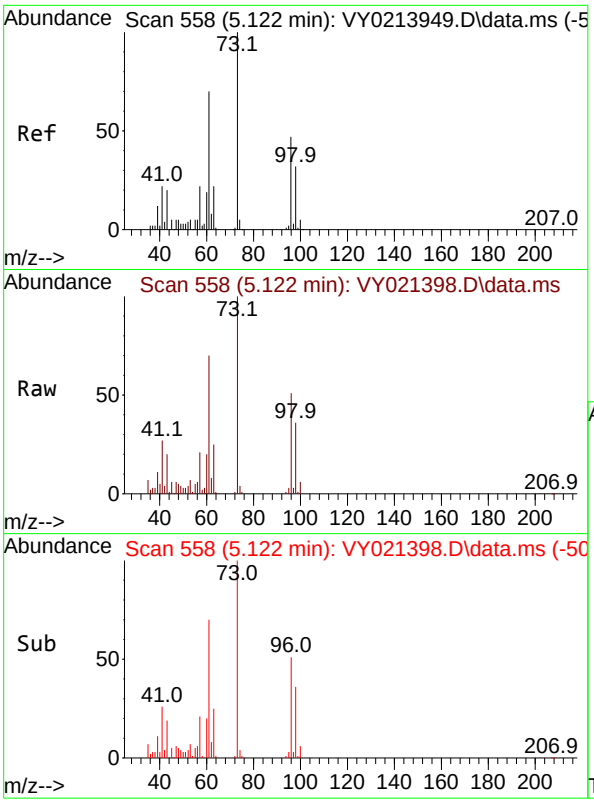


#18
Methyl Acetate
Concen: 17.780 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 43 Resp: 21340

Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.4	29.0

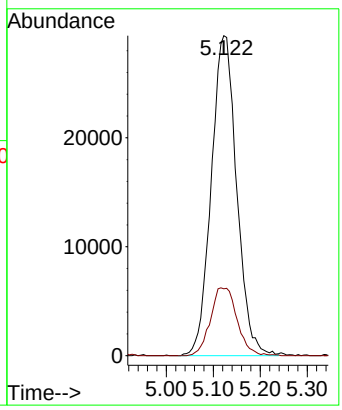




#19
Methyl tert-butyl Ether
Concen: 18.085 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 73 Resp: 11048

Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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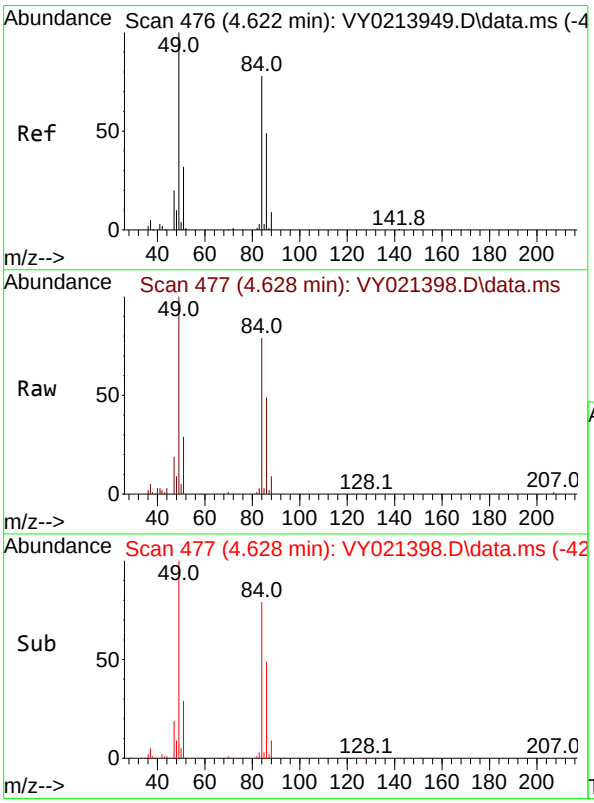
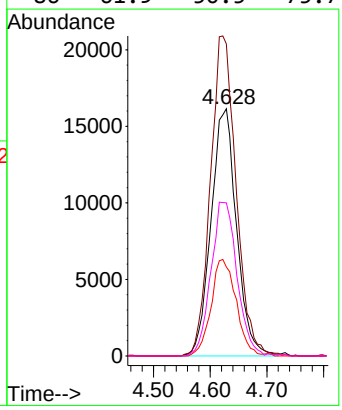
Supervised By :Semsettin Yesilyurt 03/06/2025

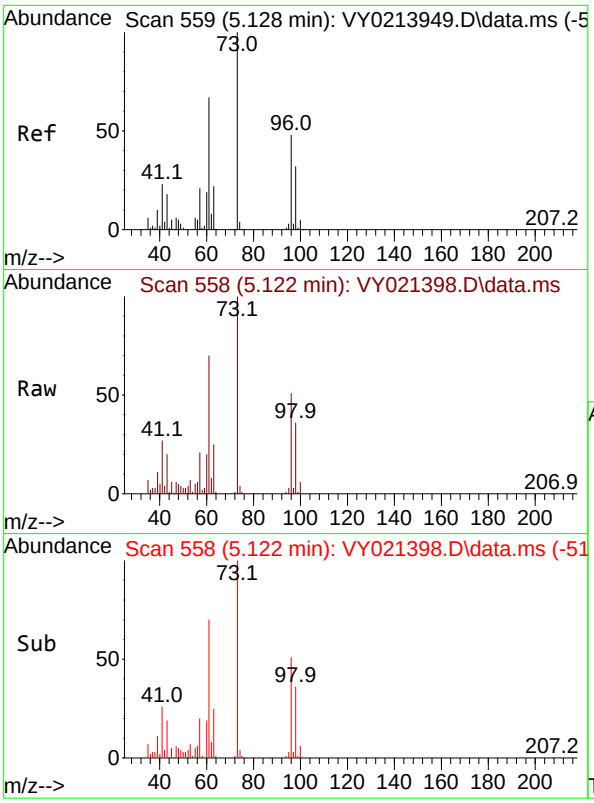


#20
Methylene Chloride
Concen: 17.772 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 84 Resp: 50462

Ion	Ratio	Lower	Upper
84	100		
49	126.3	102.0	153.0
51	36.0	33.0	49.6
86	61.9	50.5	75.7

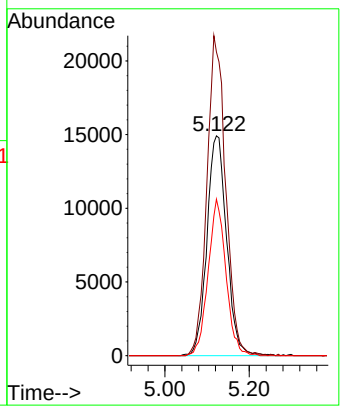




#21
trans-1,2-Dichloroethene
Concen: 17.935 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 96 Resp: 4841

Ion	Ratio	Lower	Upper
96	100		
61	138.1	111.5	167.3
98	71.2	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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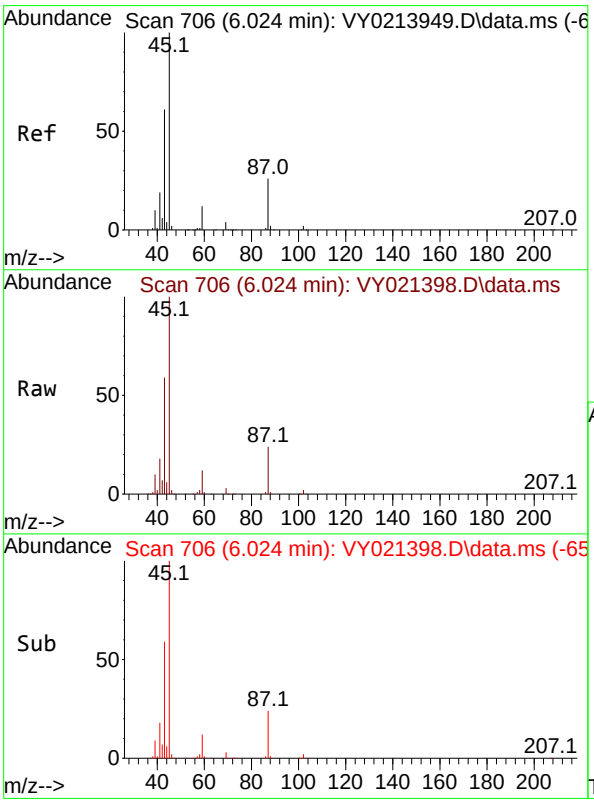
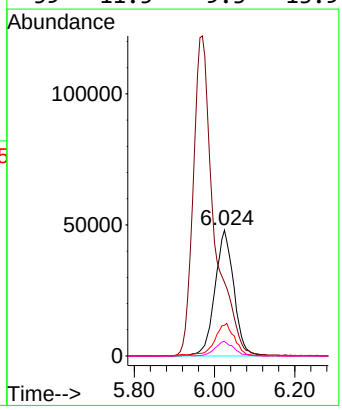
Supervised By :Semsettin Yesilyurt 03/06/2025

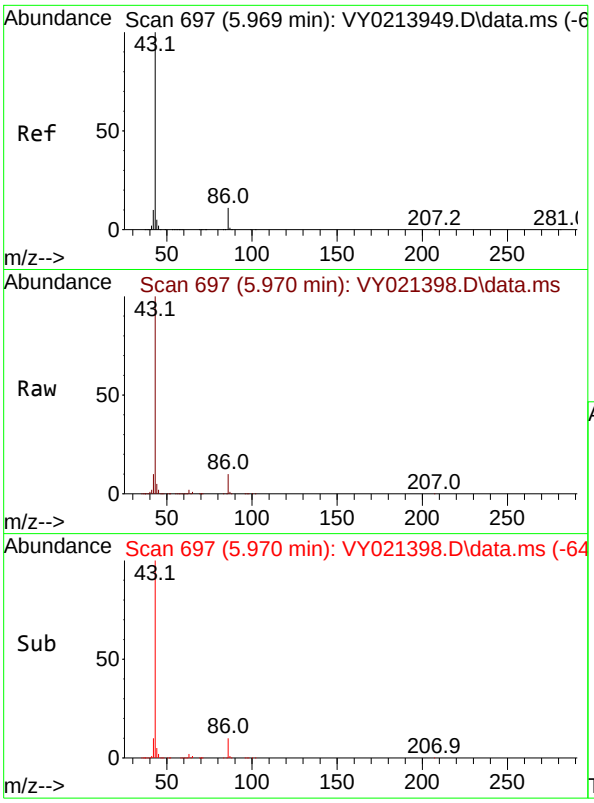


#22
Diisopropyl ether
Concen: 18.732 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 45 Resp: 157248

Ion	Ratio	Lower	Upper
45	100		
43	58.0	48.7	73.1
87	24.4	21.5	32.3
59	11.5	9.3	13.9





#23
Vinyl Acetate
Concen: 91.773 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 43 Resp: 43967

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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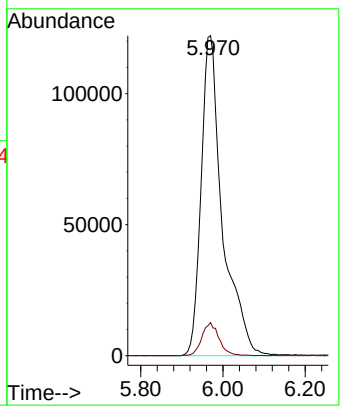
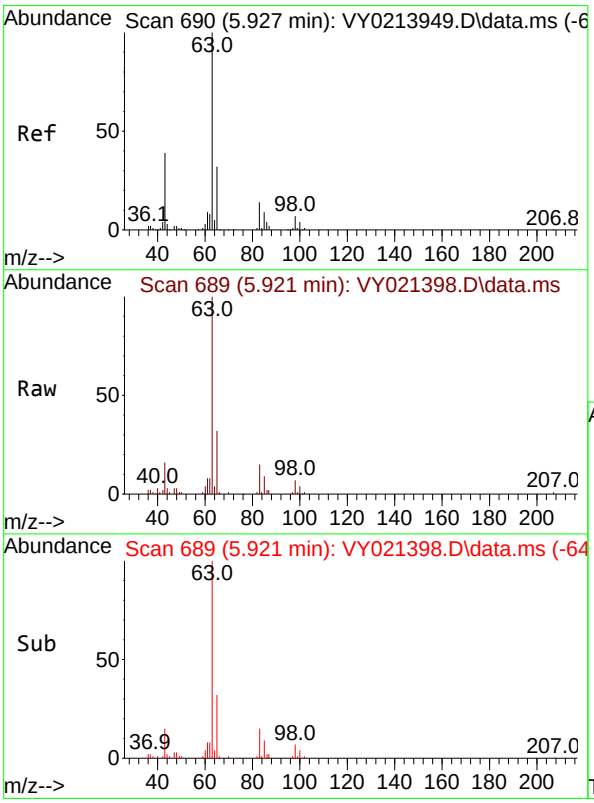
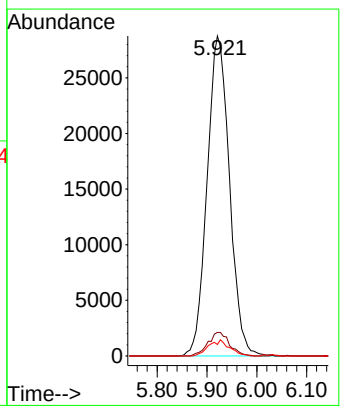


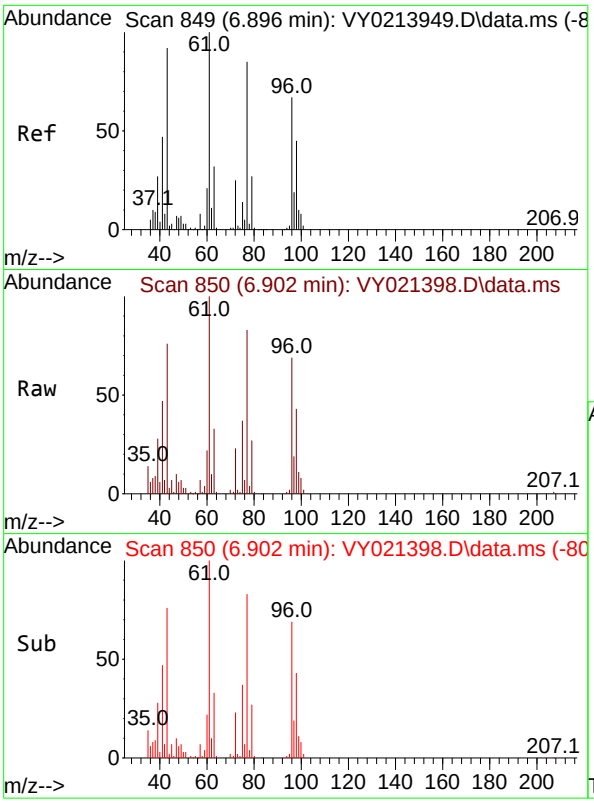


#24
1,1-Dichloroethane
Concen: 18.090 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 63 Resp: 89625

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.9
100	3.6	2.1	6.5





#25
2-Butanone
Concen: 85.523 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 43 Resp: 6399

Ion	Ratio	Lower	Upper
43	100		
72	30.6	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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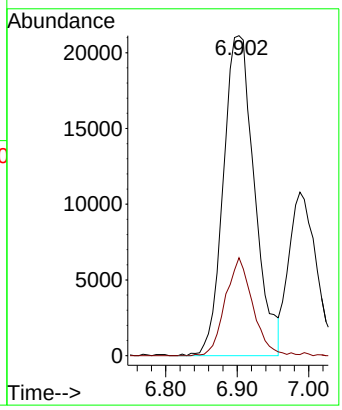
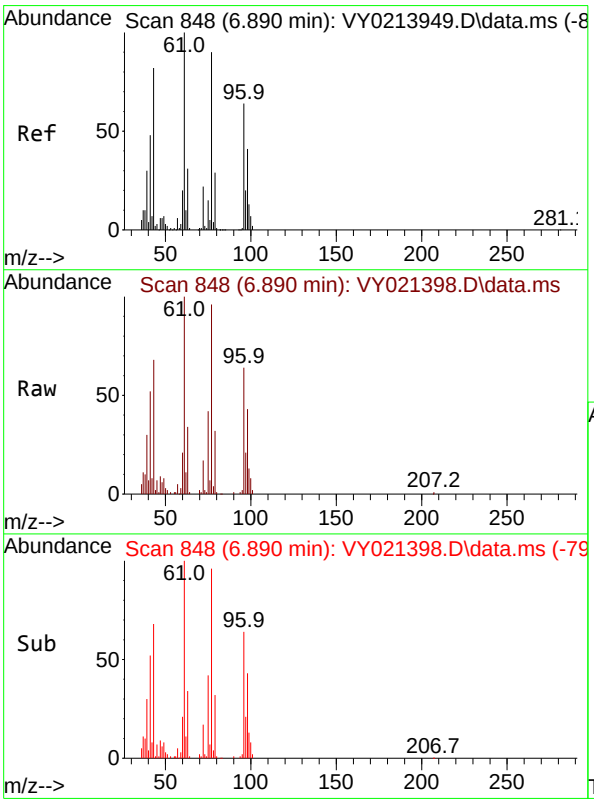
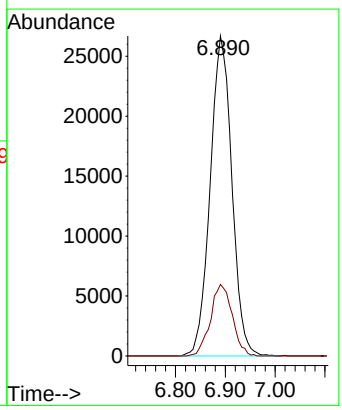


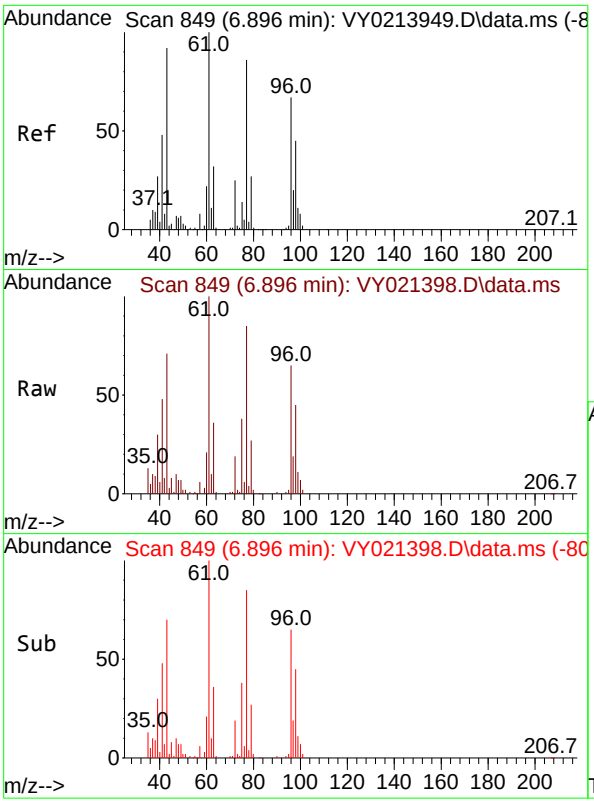


#26
2,2-Dichloropropane
Concen: 17.702 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 77 Resp: 80697

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 18.130 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 96 Resp: 5559

Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	300.8
98	63.5	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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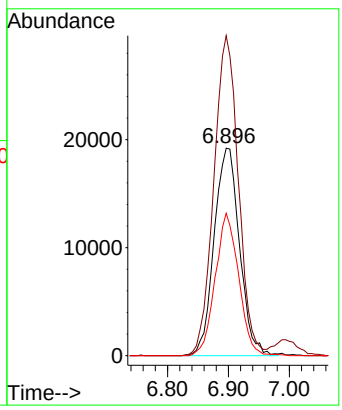
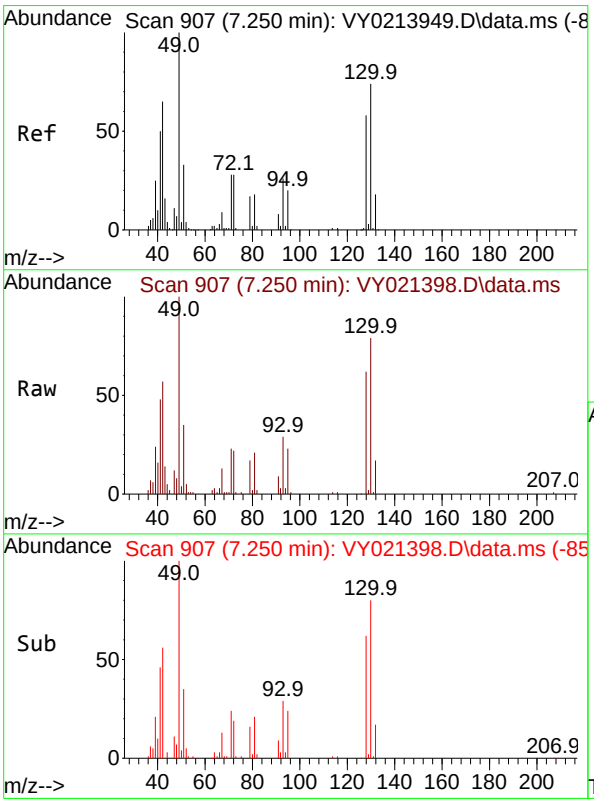
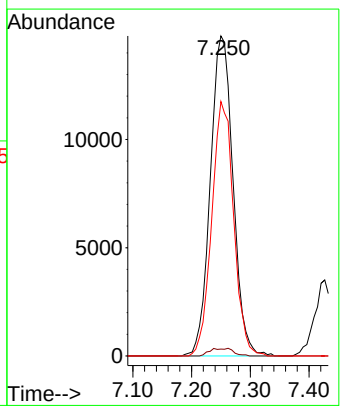


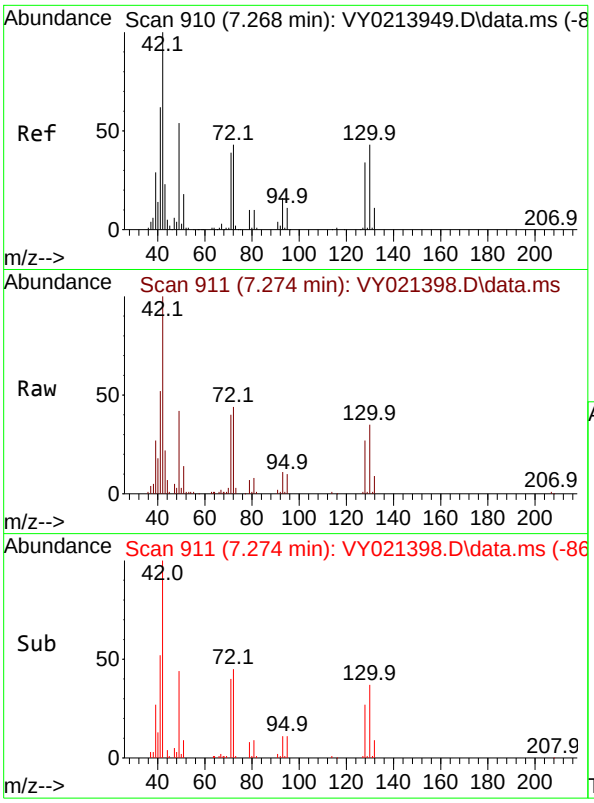


#28
Bromochloromethane
Concen: 19.118 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 49 Resp: 39711

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	76.6	59.6	89.4





#29
Tetrahydrofuran
Concen: 90.885 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

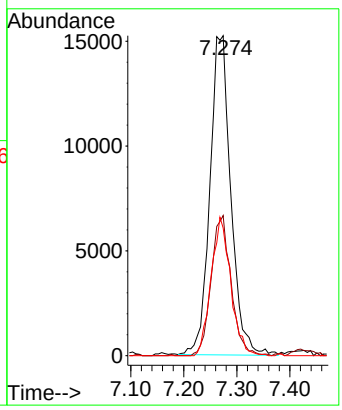
Tgt Ion: 42 Resp: 4198

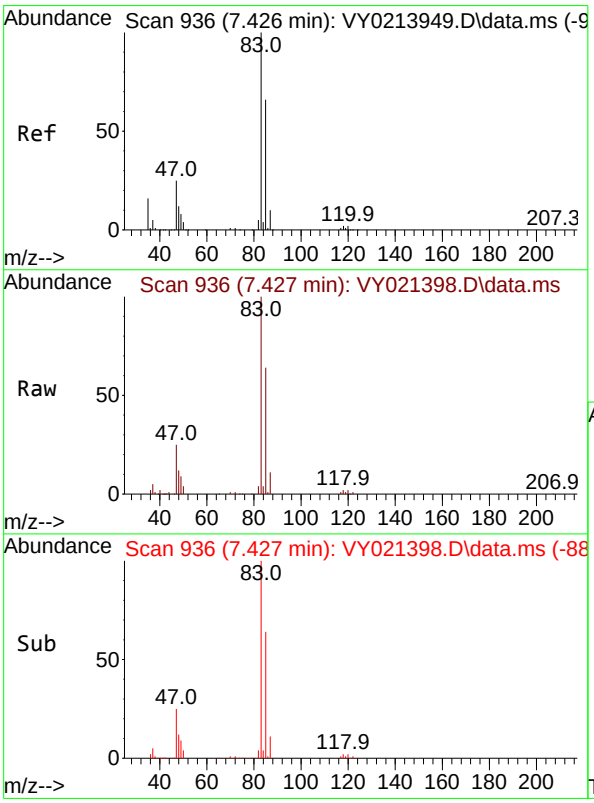
Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.8	52.2
71	40.4	32.6	48.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

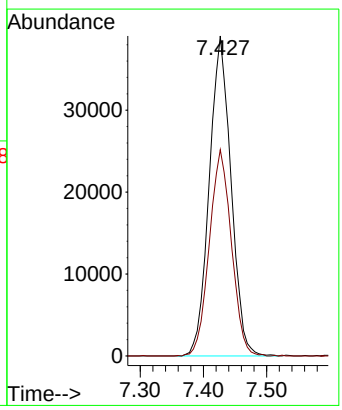


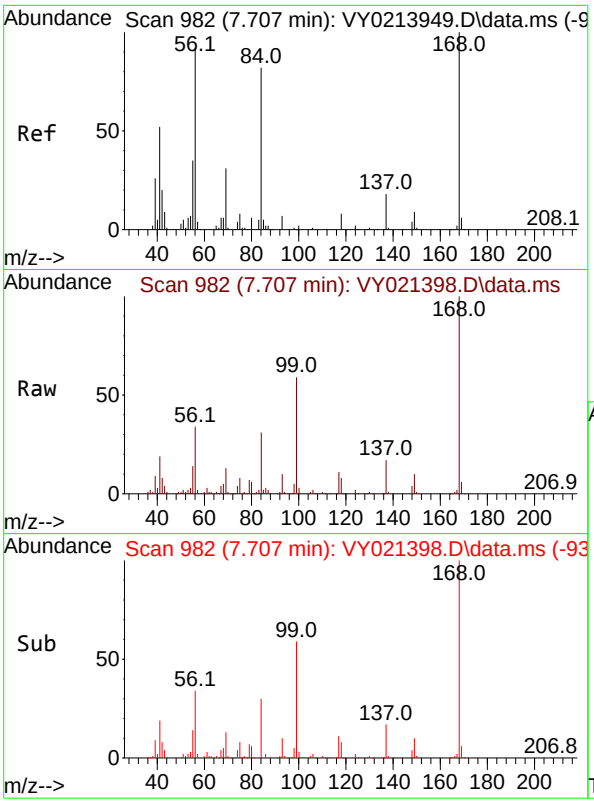


#30
Chloroform
Concen: 18.092 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 83 Resp: 93077

Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.1	79.7

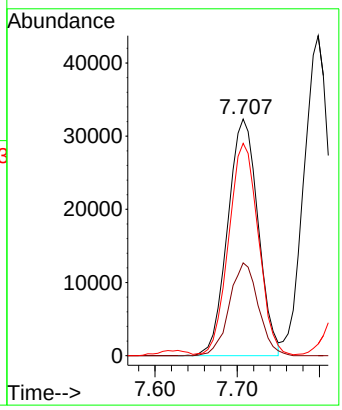




#31
Cyclohexane
Concen: 17.884 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 56 Resp: 8306

Ion	Ratio	Lower	Upper
56	100		
69	39.2	27.0	40.4
84	87.2	71.1	106.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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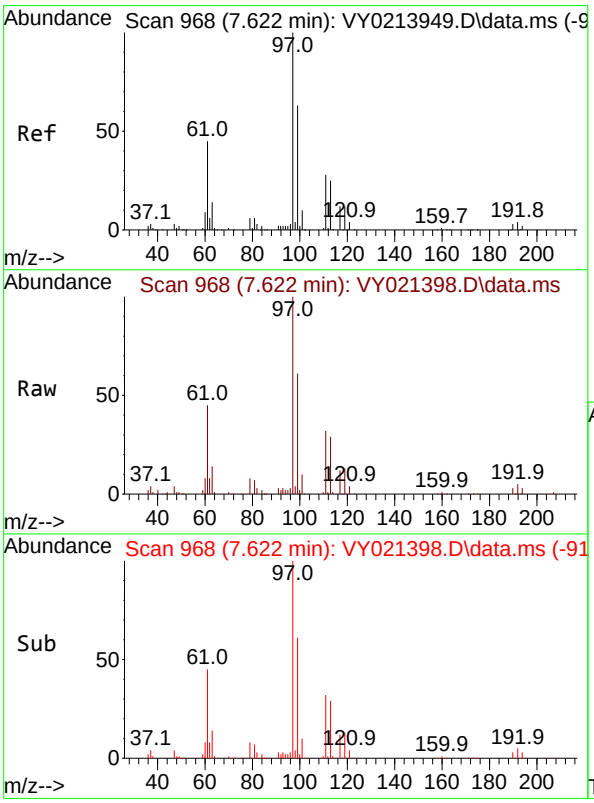
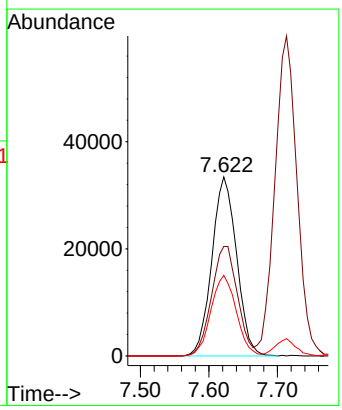
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

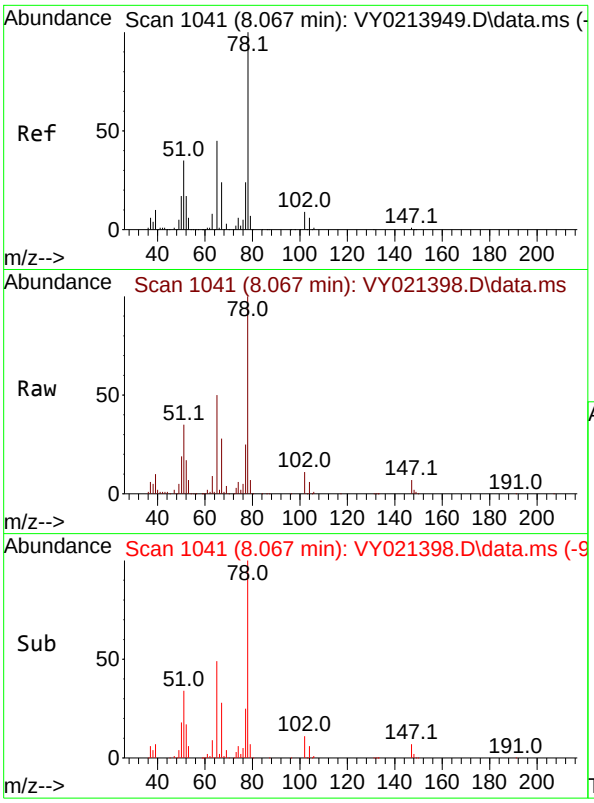


#32
1,1,1-Trichloroethane
Concen: 17.807 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 97 Resp: 83884

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	46.0	35.7	53.5





#33
1,2-Dichloroethane-d4
Concen: 19.468 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 65 Resp: 4828

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	102.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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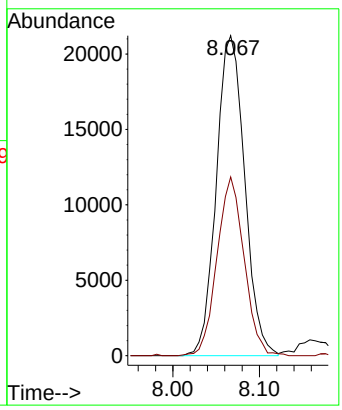
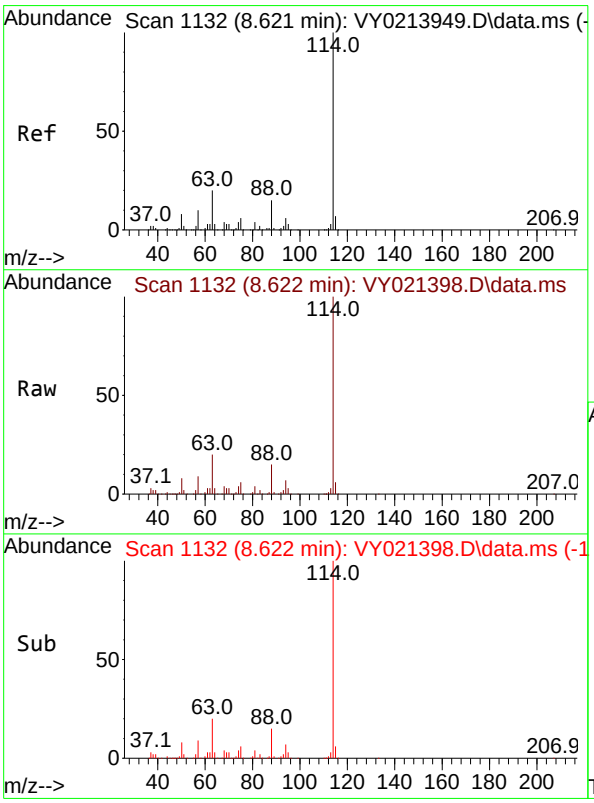
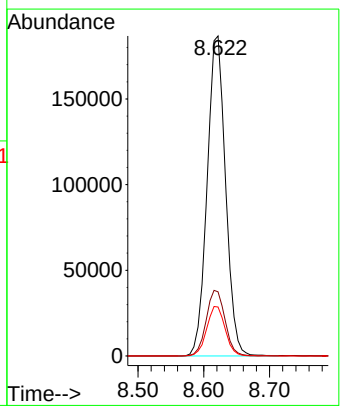


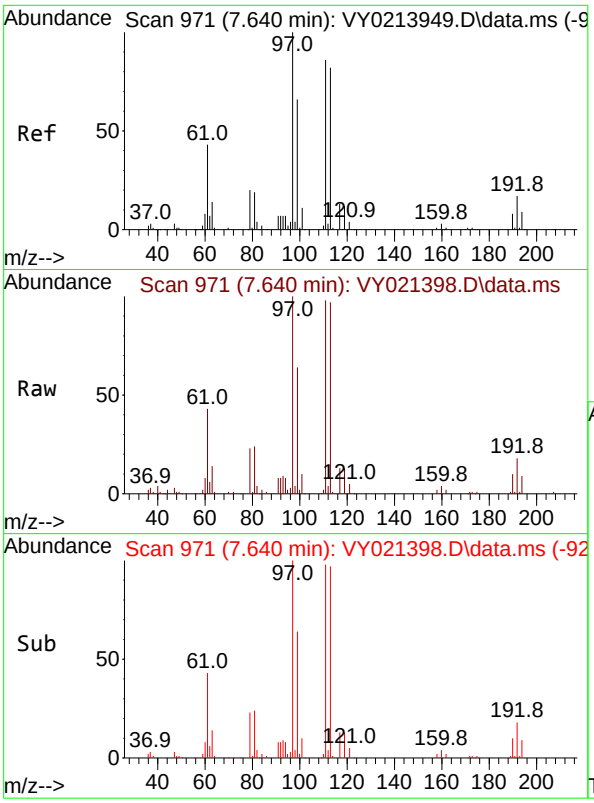


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:114 Resp: 364702

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	15.3	0.0	30.8

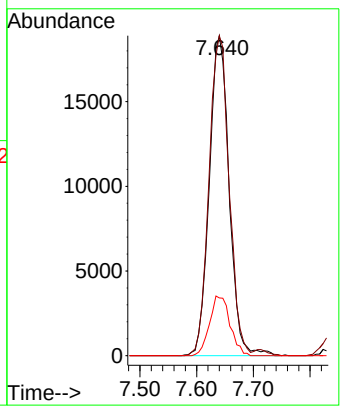




#35
Dibromofluoromethane
Concen: 19.149 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:113 Resp: 4590

Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.0	123.0
192	19.2	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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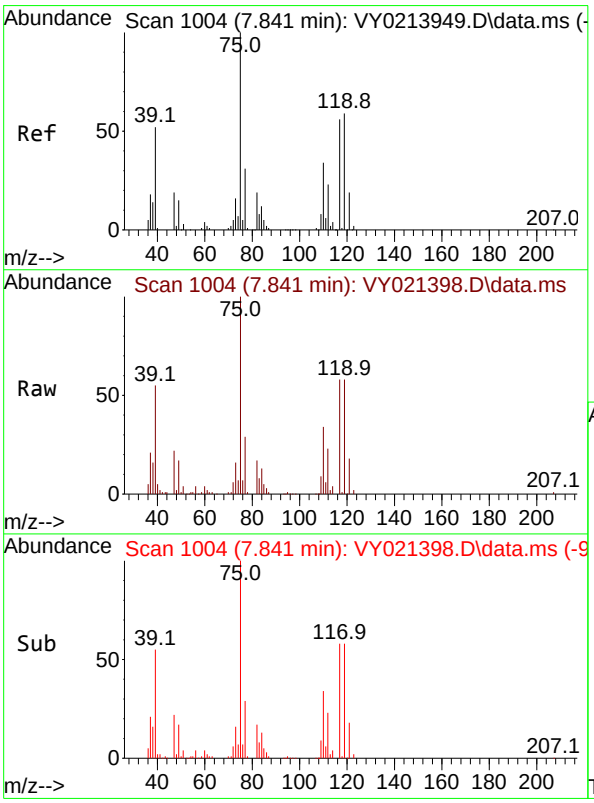
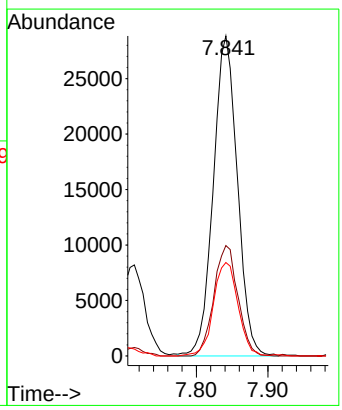
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

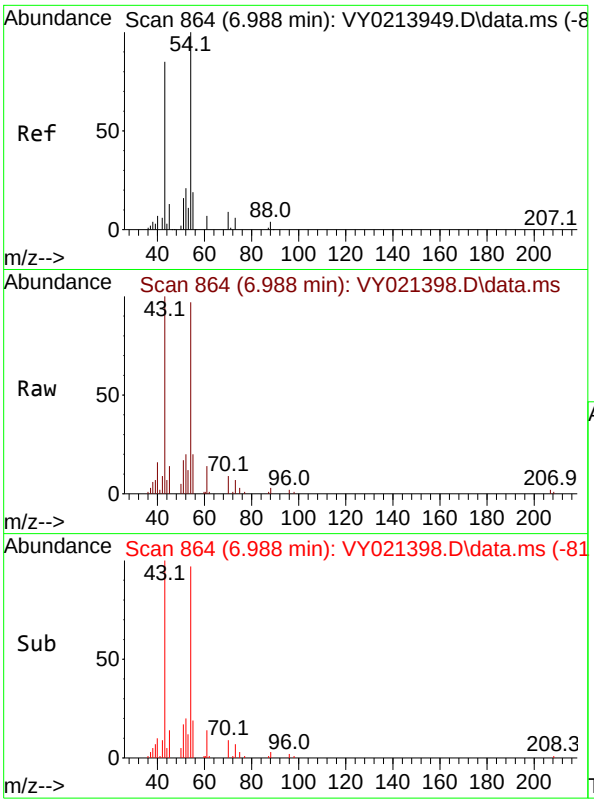


#36
1,1-Dichloropropene
Concen: 17.972 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 75 Resp: 67437

Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.3	51.7
77	29.9	25.4	38.2

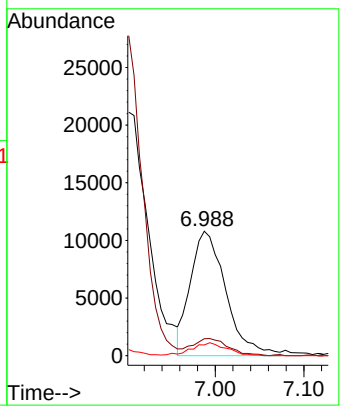




#37
Ethyl Acetate
Concen: 17.733 ug/l m
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 43 Resp: 3001

Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.4	17.0
70	10.3	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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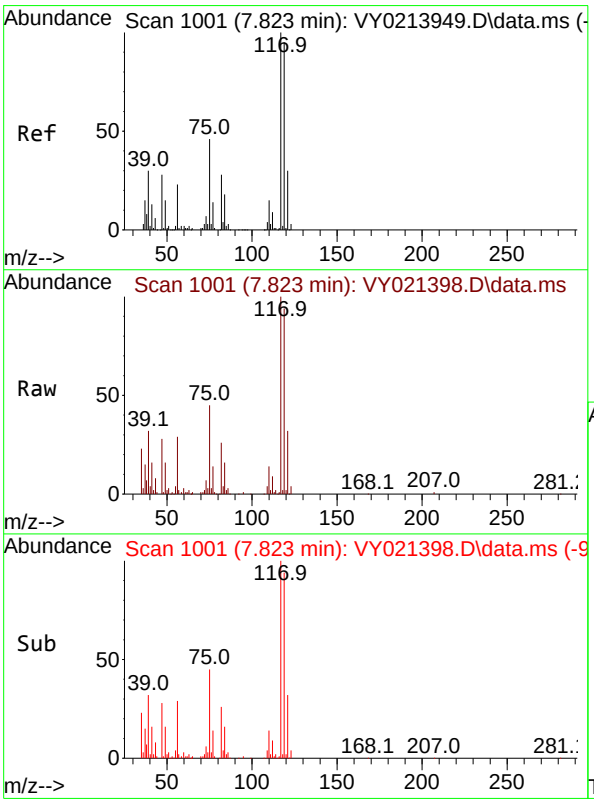
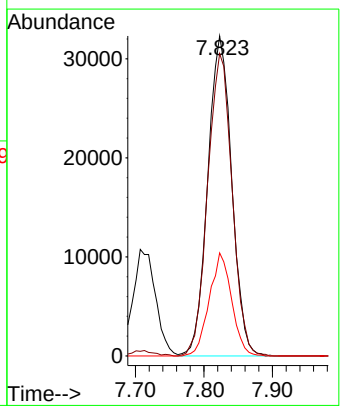
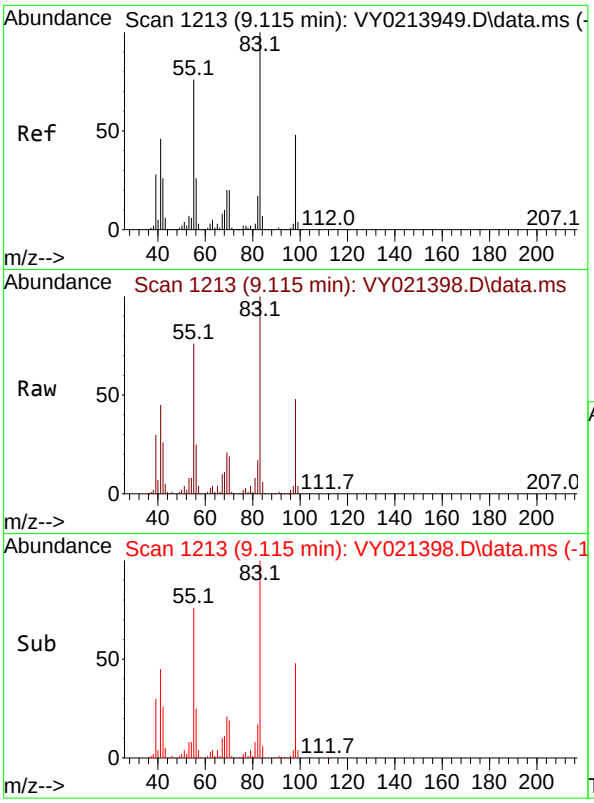


#38
Carbon Tetrachloride
Concen: 18.176 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:117 Resp: 78440

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.8	113.8
121	32.2	23.9	35.9





#39
Methylcyclohexane
Concen: 17.422 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 83 Resp: 8019

Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.7	91.1
98	47.7	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 03/06/2025
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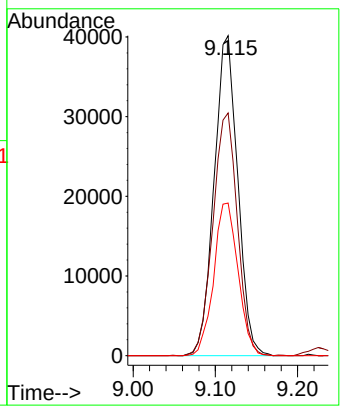
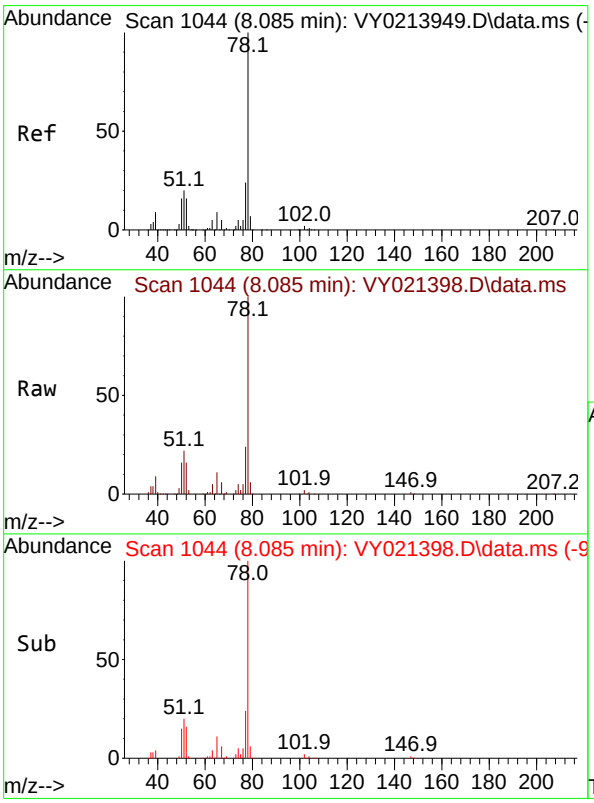
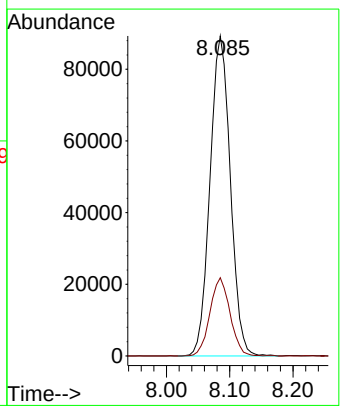


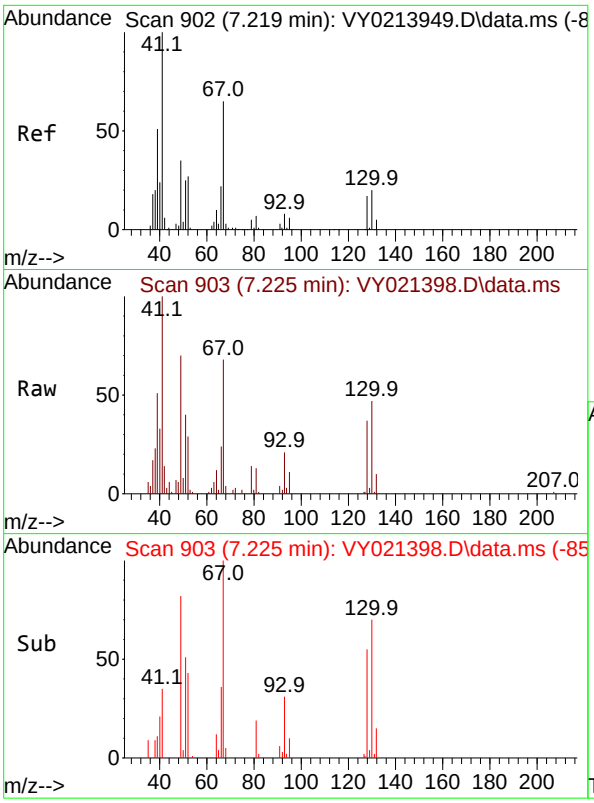


#40
Benzene
Concen: 18.027 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 78 Resp: 199273

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4

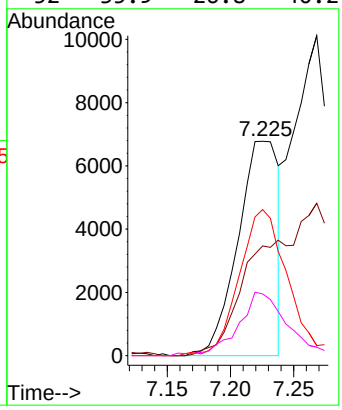




#41
Methacrylonitrile
Concen: 16.416 ug/l
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 41 Resp: 1513

Ion	Ratio	Lower	Upper
41	100		
39	0.0	35.0	52.6
67	81.9	61.2	91.8
52	35.9	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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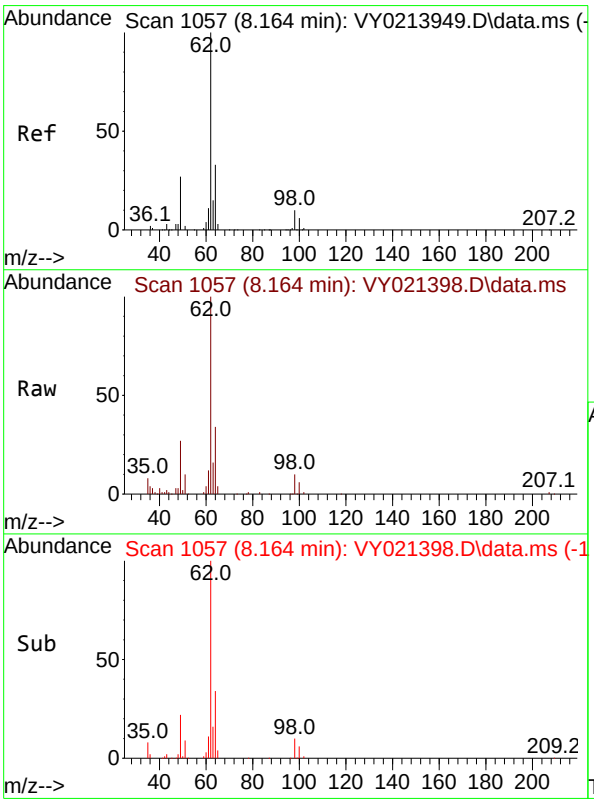
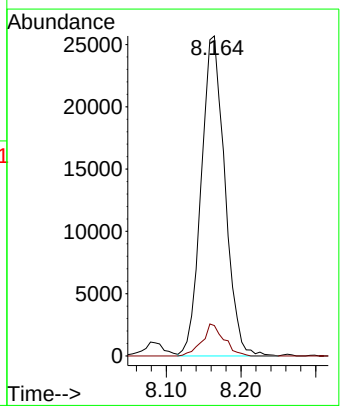
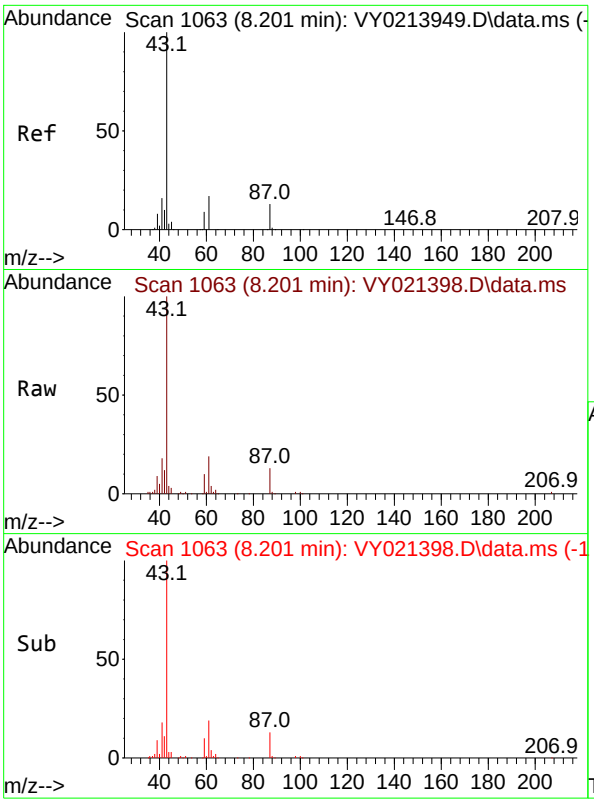


#42
1,2-Dichloroethane
Concen: 18.224 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 62 Resp: 56356

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2

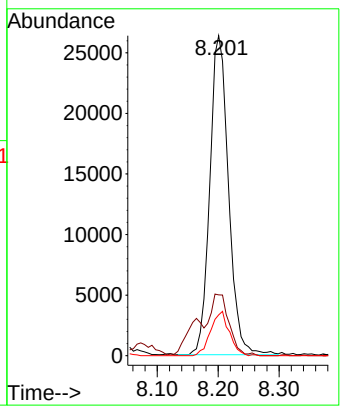




#43
Isopropyl Acetate
Concen: 17.474 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 43 Resp: 5626

Ion	Ratio	Lower	Upper
43	100		
61	19.8	23.4	35.0
87	13.8	10.5	15.7



Instrument :
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ClientSampleId :
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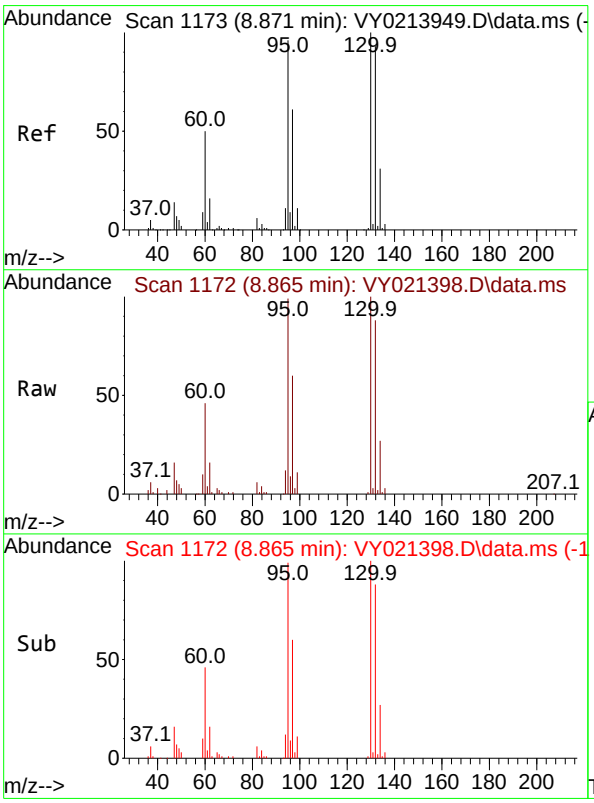
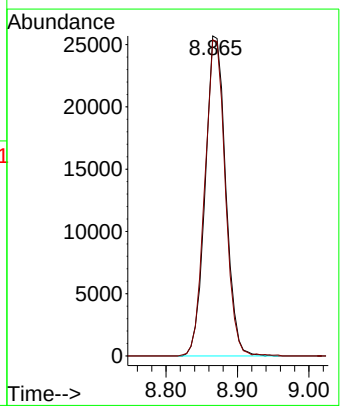
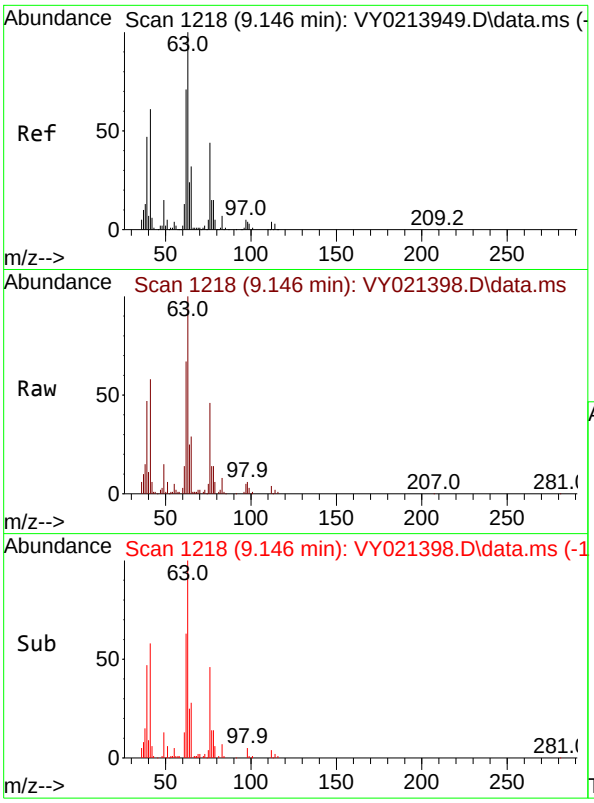


#44
Trichloroethene
Concen: 18.244 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:130 Resp: 50961

Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	191.6

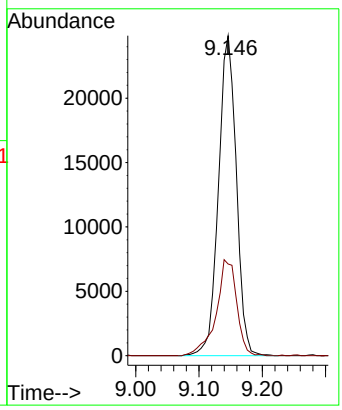




#45
1,2-Dichloropropane
Concen: 18.460 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 63 Resp: 4856

Ion	Ratio	Lower	Upper
63	100		
65	28.6	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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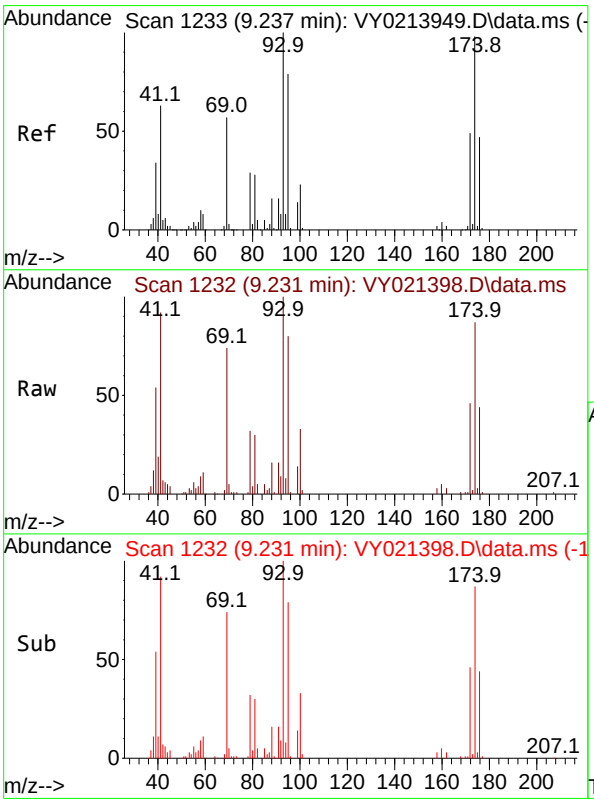
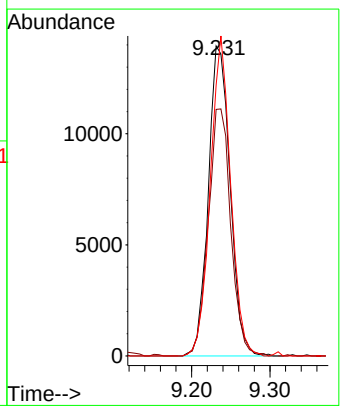
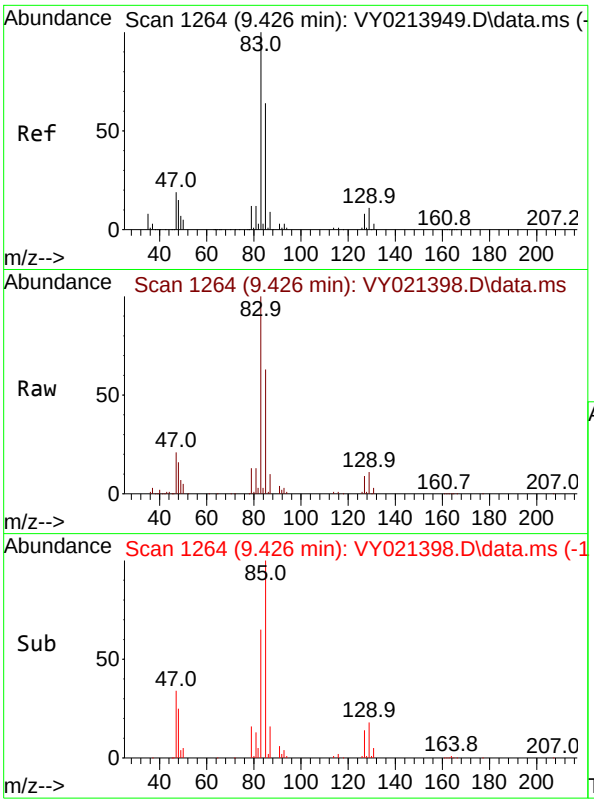


#46
Dibromomethane
Concen: 18.426 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 93 Resp: 26972

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.8	98.8
174	96.4	77.9	116.9

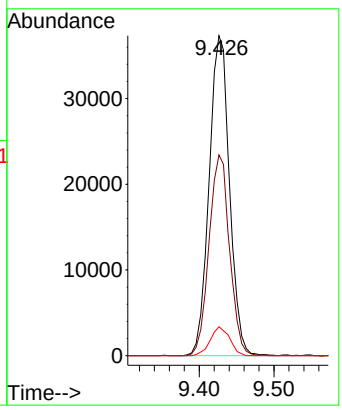




#47
Bromodichloromethane
Concen: 18.205 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 83 Resp: 7077

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.1	76.7
127	9.0	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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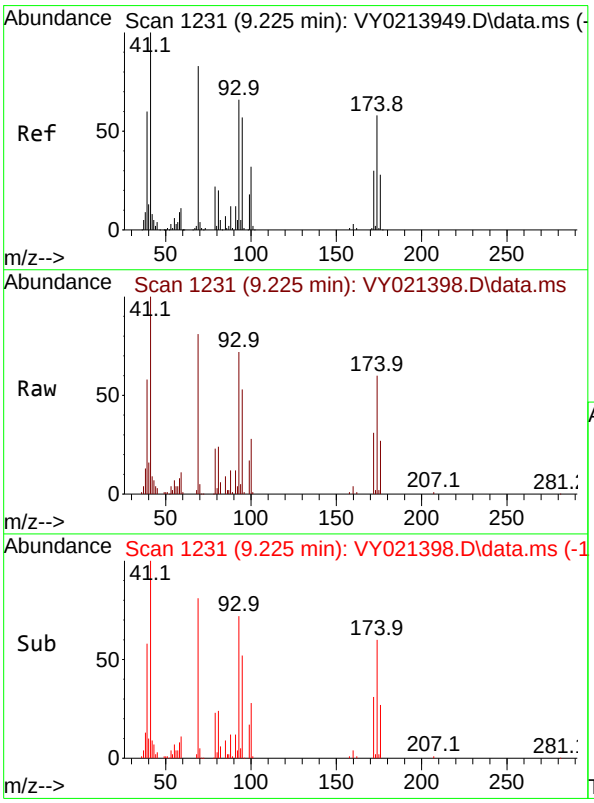
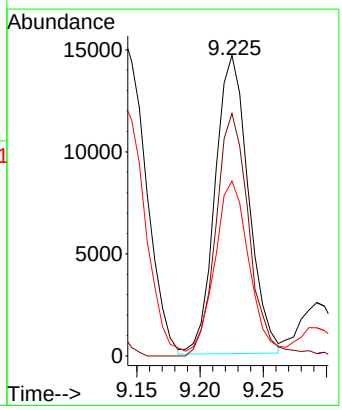
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

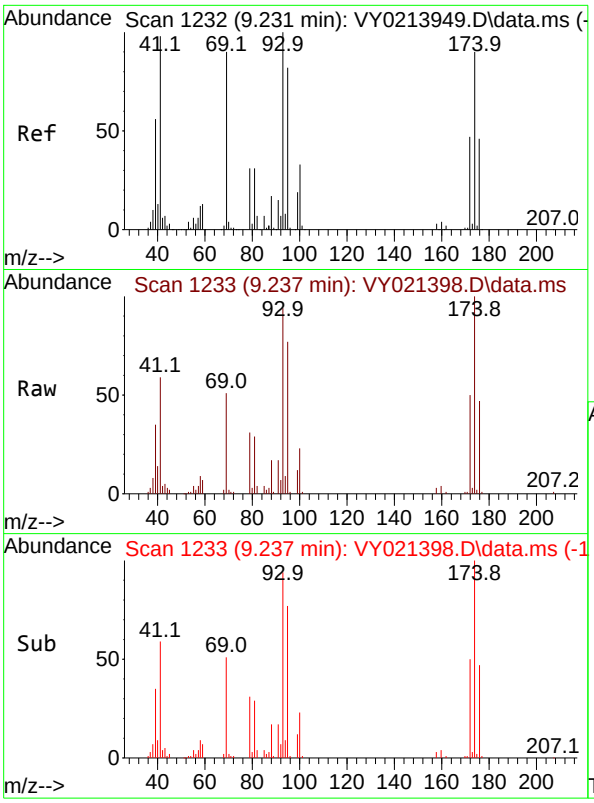


#48
Methyl methacrylate
Concen: 17.976 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 41 Resp: 26835

Ion	Ratio	Lower	Upper
41	100		
69	80.9	67.8	101.8
39	59.0	46.4	69.6





#49
1,4-Dioxane
Concen: 379.181 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 88 Resp: 544

Ion	Ratio	Lower	Upper
88	100		
43	36.7	25.0	37.4
58	69.5	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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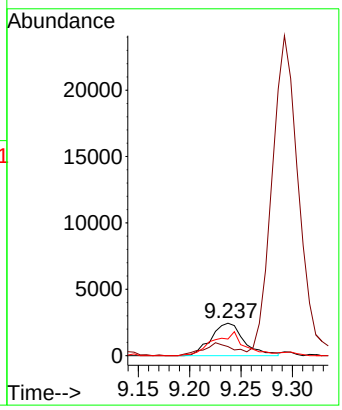
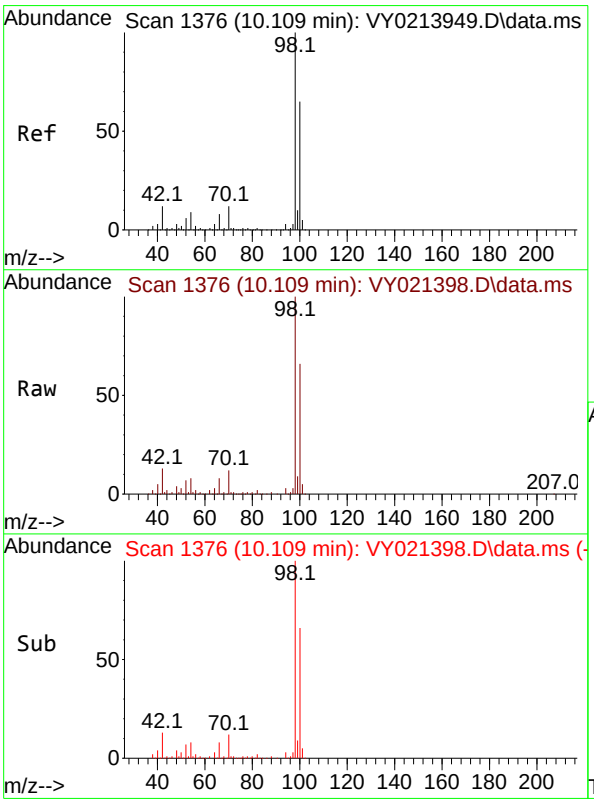
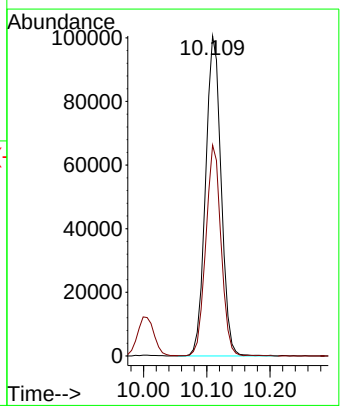


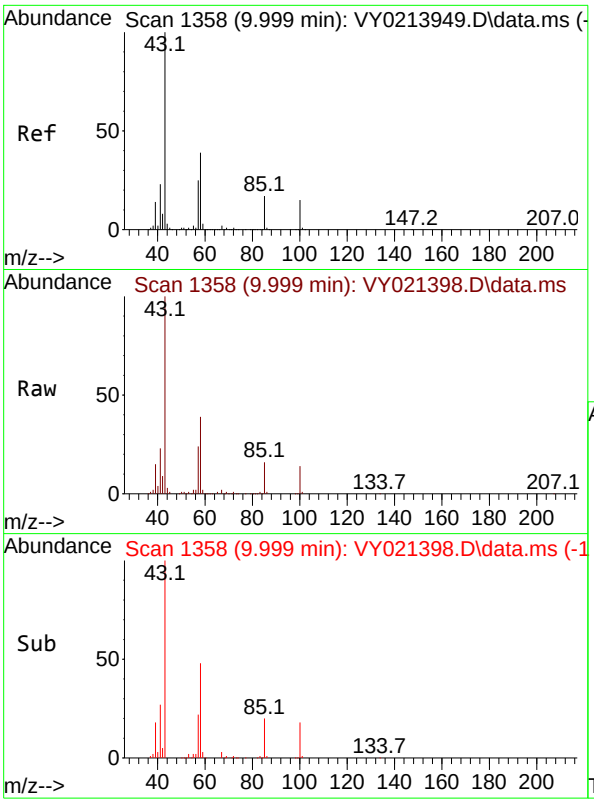


#50
Toluene-d8
Concen: 18.951 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 98 Resp: 172011

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

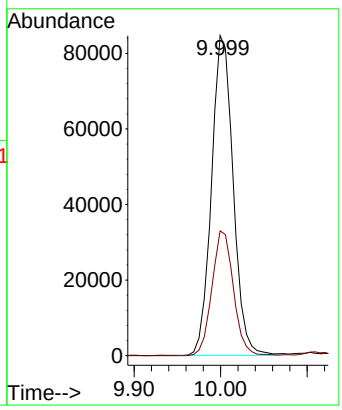




#51
4-Methyl-2-Pentanone
Concen: 88.535 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 43 Resp: 14707

Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.4	47.2



Instrument :
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ClientSampleId :
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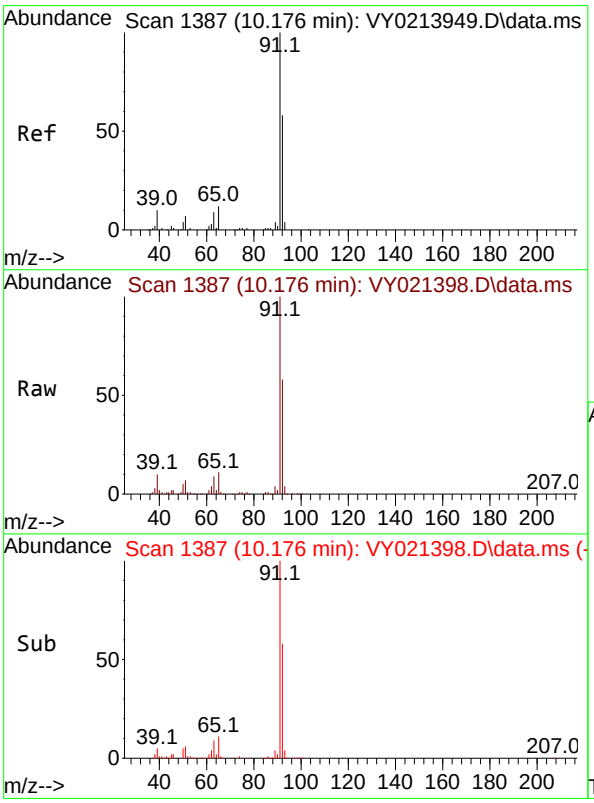
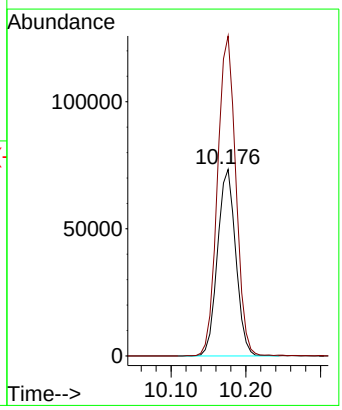
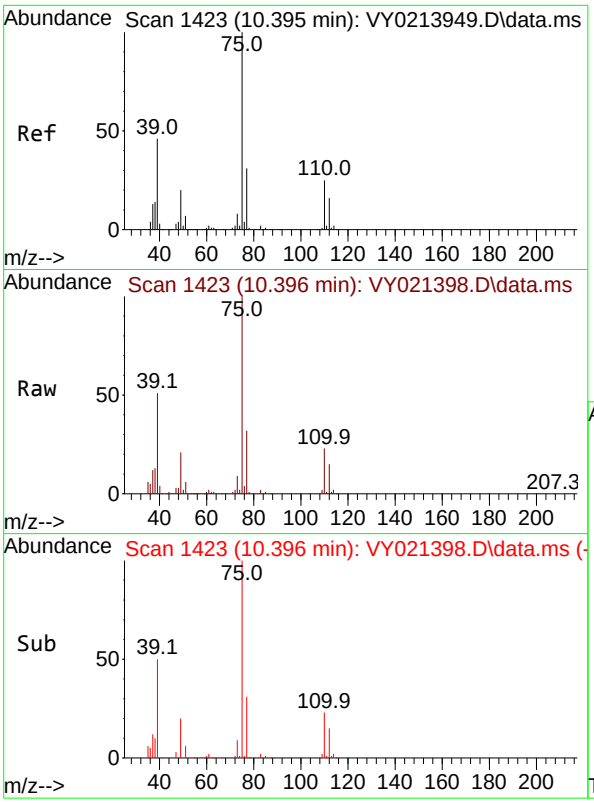


#52
Toluene
Concen: 17.858 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 92 Resp: 124450

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.2	207.2

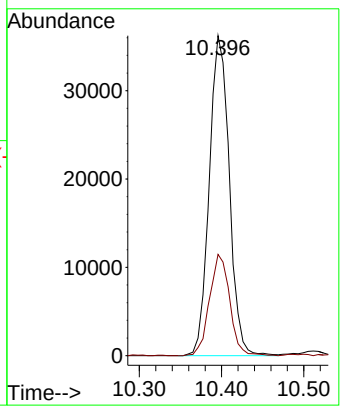




#53
t-1,3-Dichloropropene
Concen: 17.911 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 75 Resp: 6134

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6



Instrument :
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ClientSampleId :
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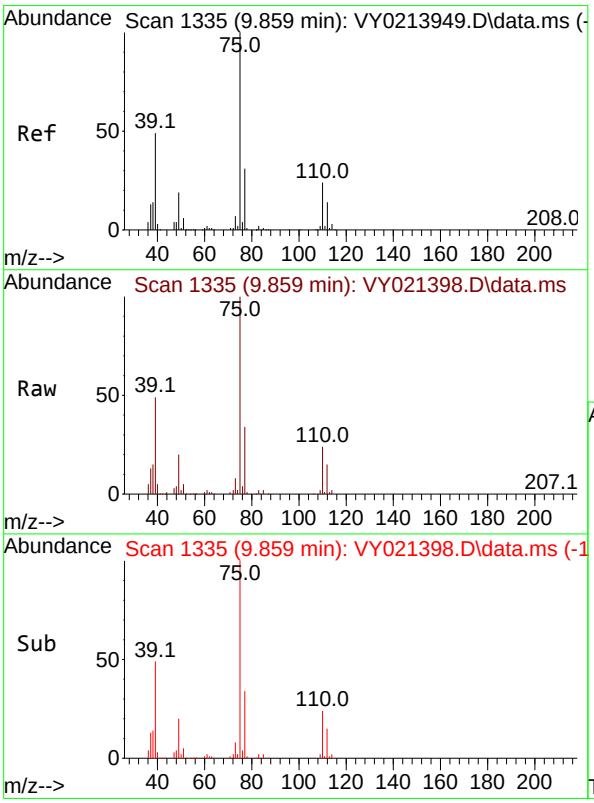
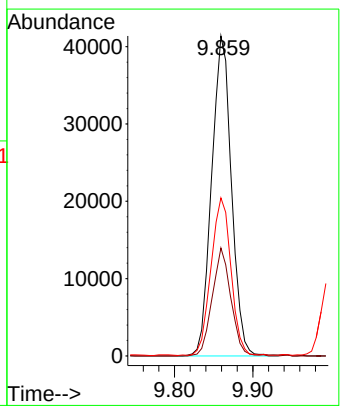
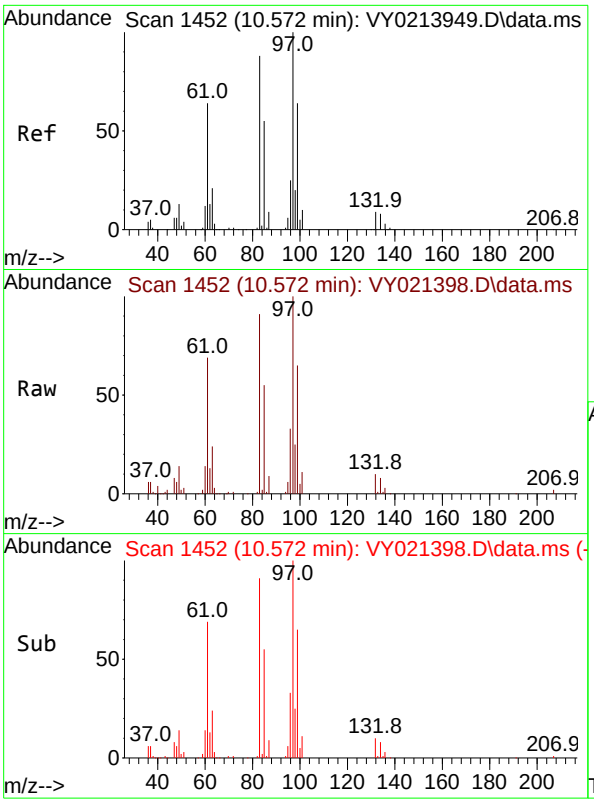


#54
cis-1,3-Dichloropropene
Concen: 17.873 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 75 Resp: 72678

Ion	Ratio	Lower	Upper
75	100		
77	33.7	24.6	37.0
39	49.2	39.4	59.2

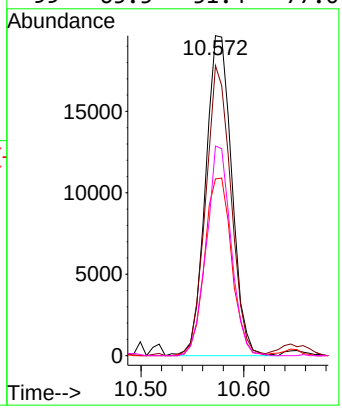




#55
1,1,2-Trichloroethane
Concen: 18.085 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 97 Resp: 3463

Ion	Ratio	Lower	Upper
97	100		
83	90.7	70.0	105.0
85	54.8	44.3	66.5
99	65.5	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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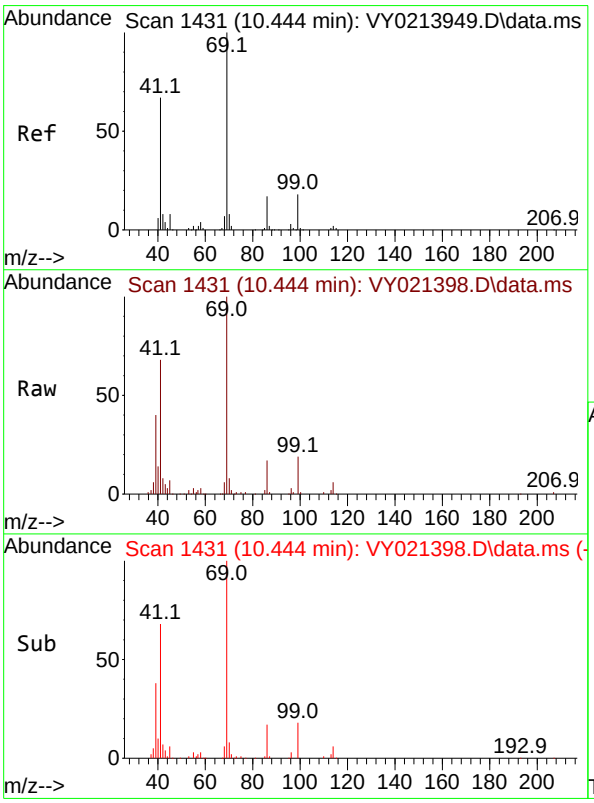
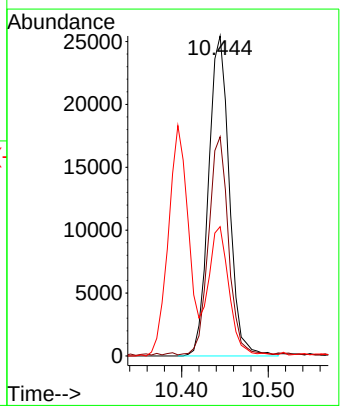
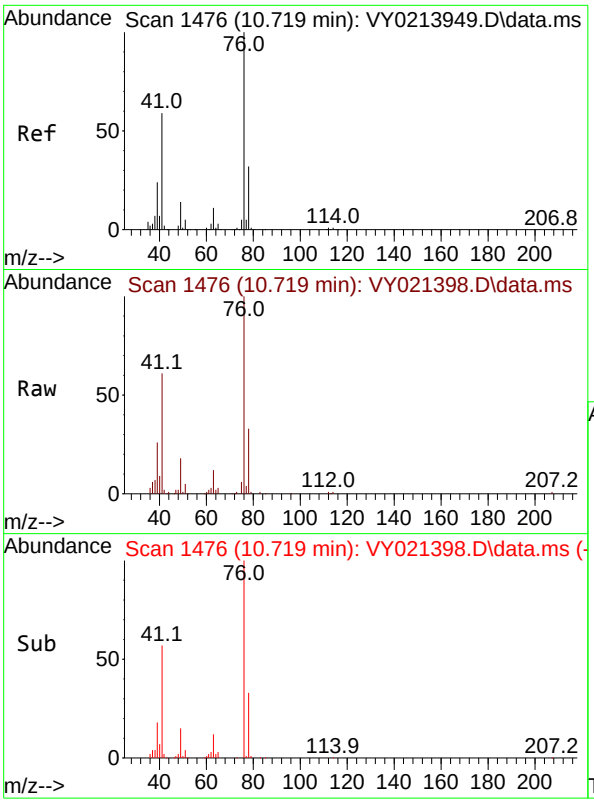


#56
Ethyl methacrylate
Concen: 17.253 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 69 Resp: 42134

Ion	Ratio	Lower	Upper
69	100		
41	65.8	53.3	79.9
39	39.6	31.0	46.6





#57
1,3-Dichloropropane
Concen: 18.514 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 76 Resp: 6144

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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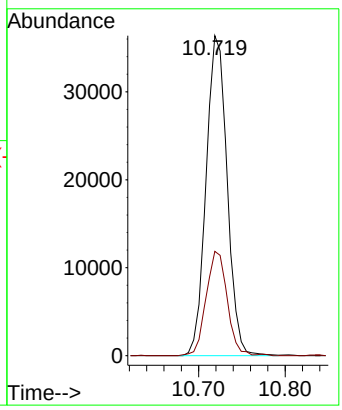
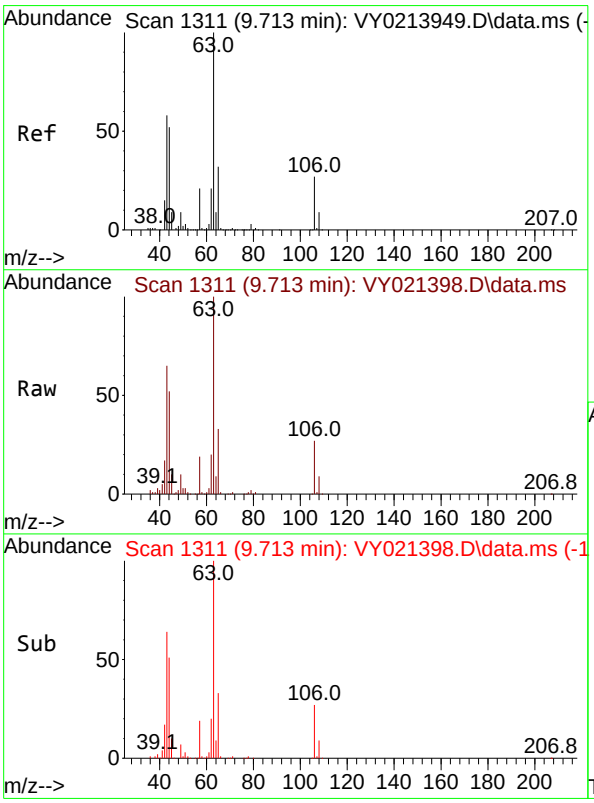
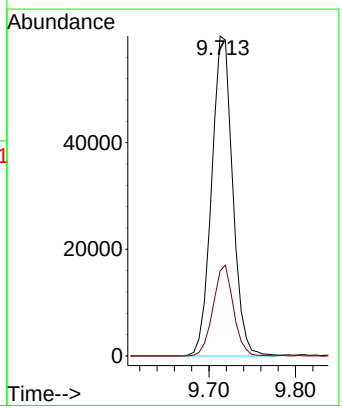


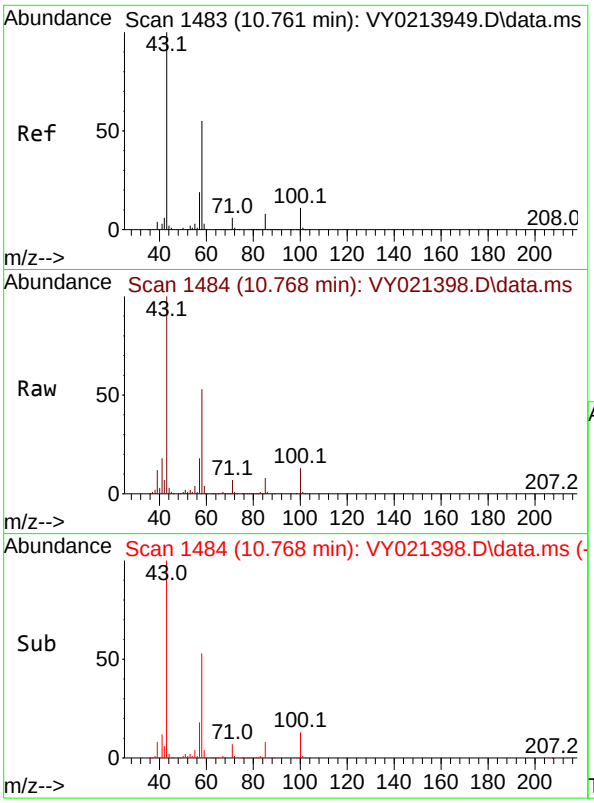


#58
2-Chloroethyl Vinyl ether
Concen: 89.786 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 63 Resp: 101217

Ion	Ratio	Lower	Upper
63	100		
106	27.4	22.1	33.1





#59
2-Hexanone
Concen: 85.937 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 43 Resp: 9439

Ion	Ratio	Lower	Upper
43	100		
58	52.8	27.3	81.8

Instrument :
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ClientSampleId :
VSTDICC020

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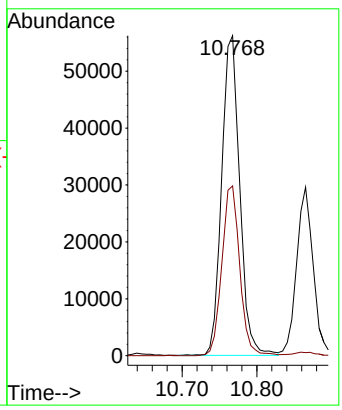
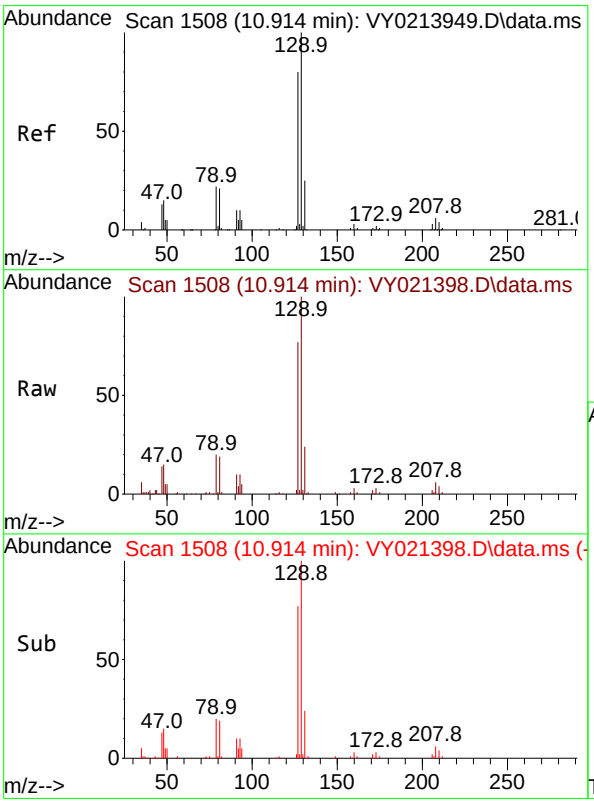
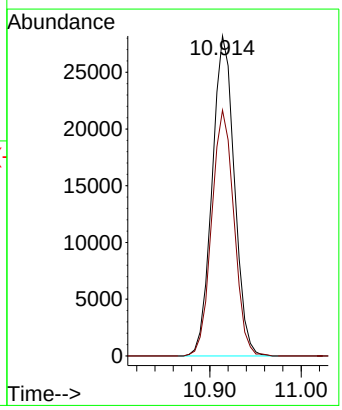


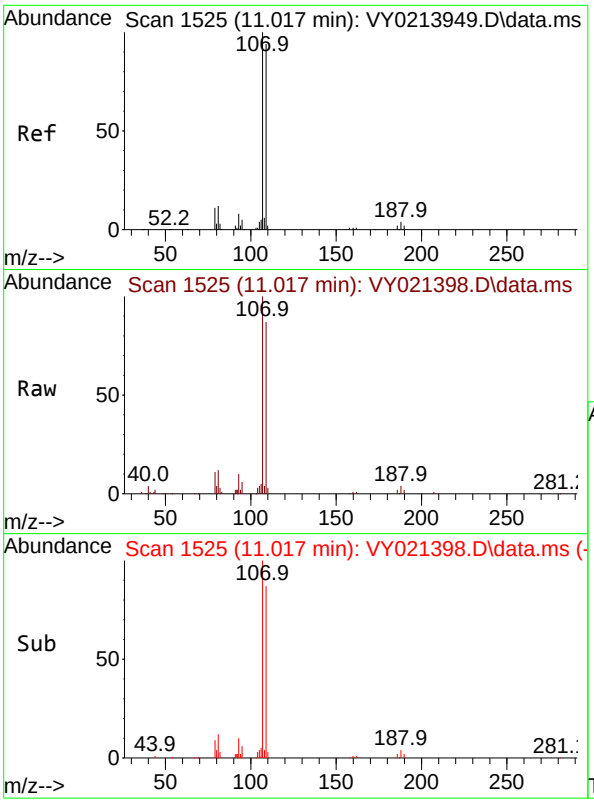


#60
Dibromochloromethane
Concen: 18.176 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:129 Resp: 47714

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.1	117.3





#61
1,2-Dibromoethane
Concen: 18.220 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:107 Resp: 3292

Ion	Ratio	Lower	Upper
107	100		
109	91.2	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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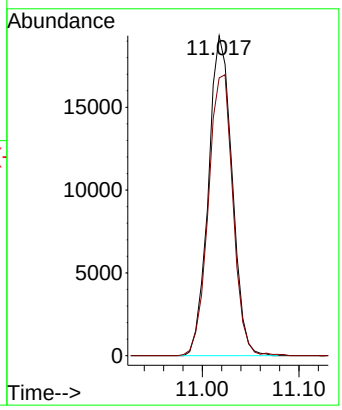
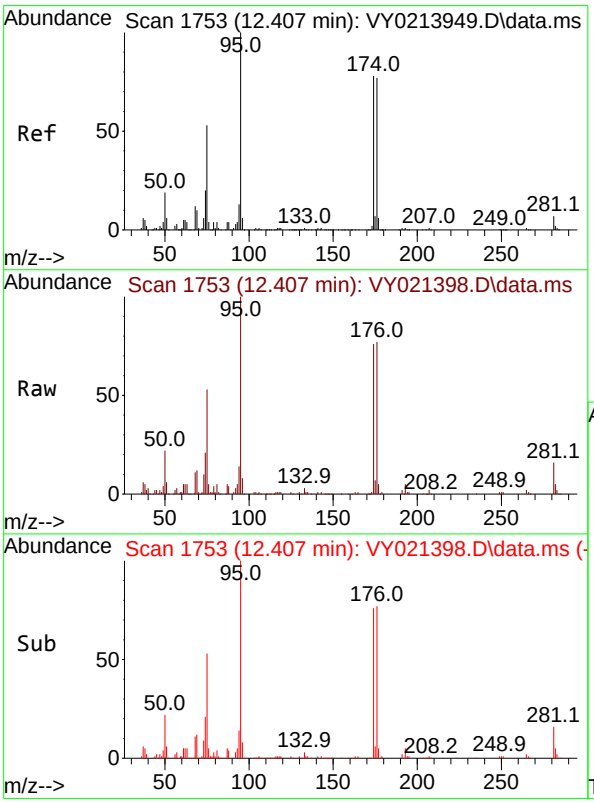
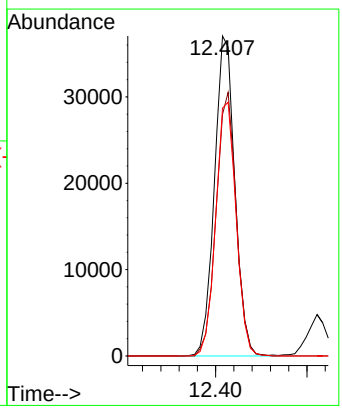


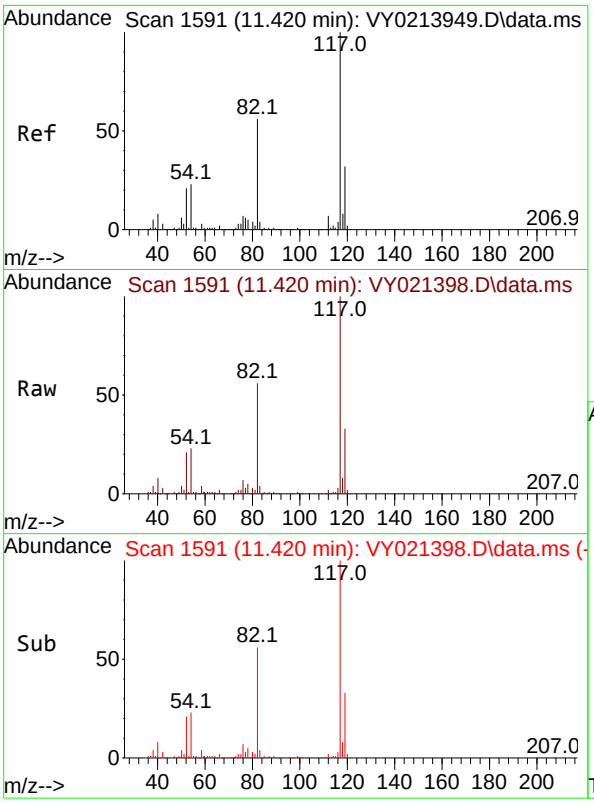


#62
4-Bromofluorobenzene
Concen: 18.609 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 95 Resp: 57456

Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	165.0
176	79.3	0.0	160.0

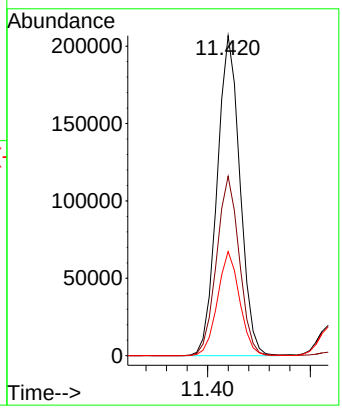




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:117 Resp: 31851

Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.6	67.0
119	32.6	25.4	38.0



Instrument :
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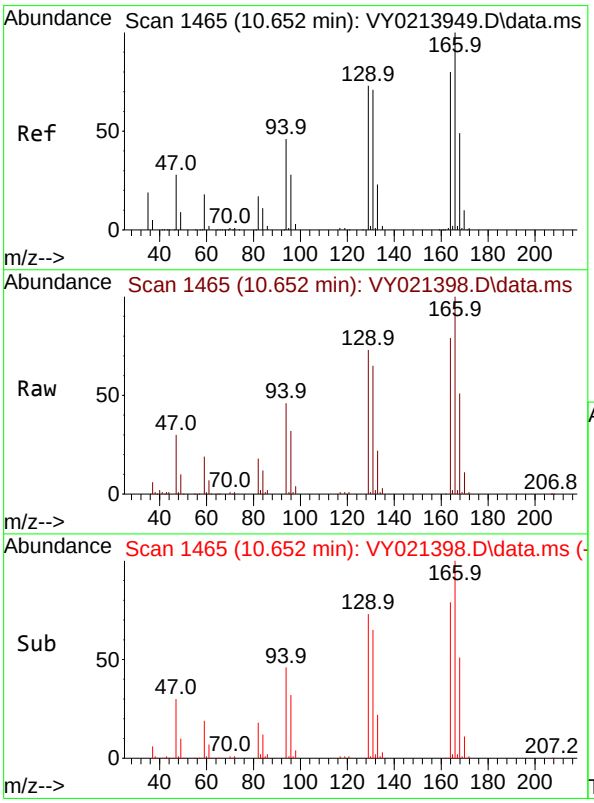
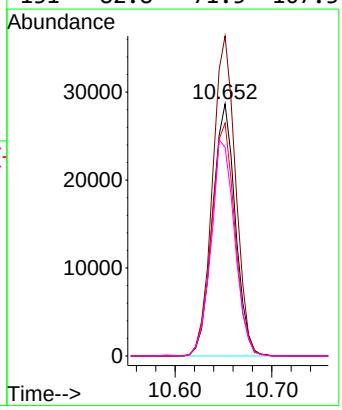
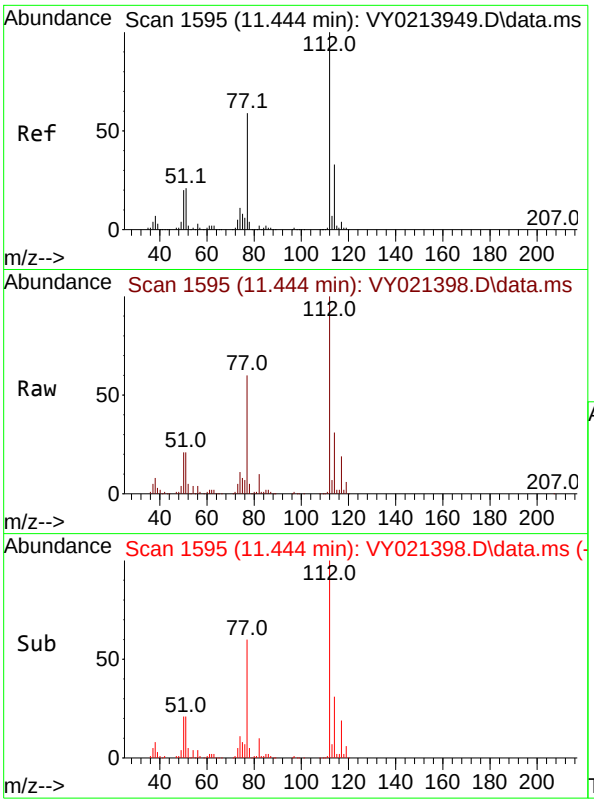


#64
Tetrachloroethene
Concen: 18.193 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:164 Resp: 47121

Ion	Ratio	Lower	Upper
164	100		
166	126.9	100.4	150.6
129	92.4	73.8	110.8
131	82.8	71.5	107.3

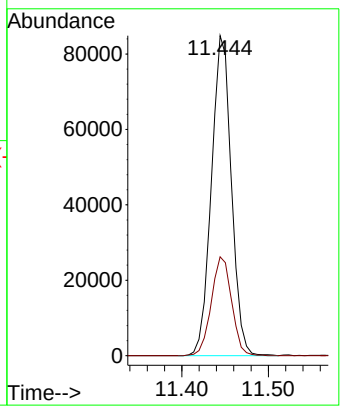




#65
Chlorobenzene
Concen: 18.035 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:112 Resp: 13564

Ion	Ratio	Lower	Upper
112	100		
114	30.9	26.1	39.1



Instrument :
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ClientSampleId :
VSTDICC020

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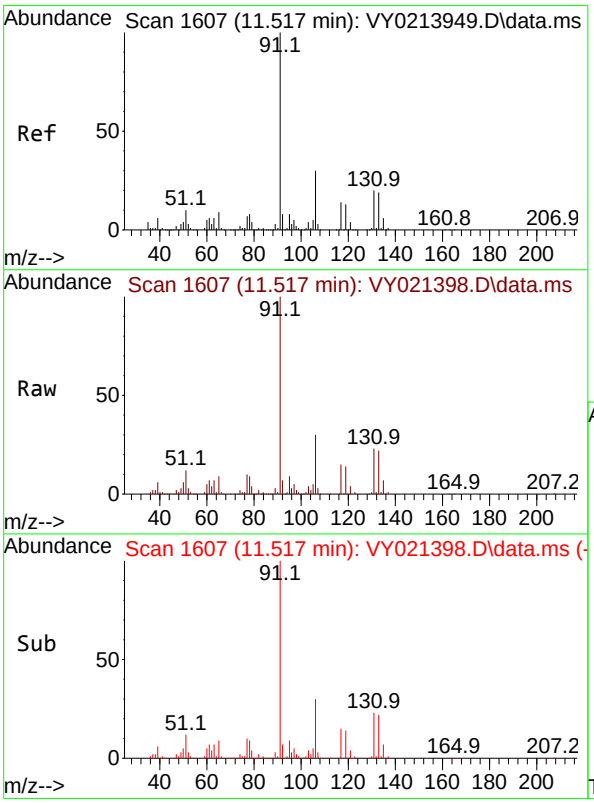
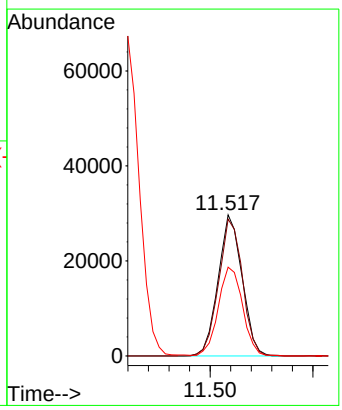
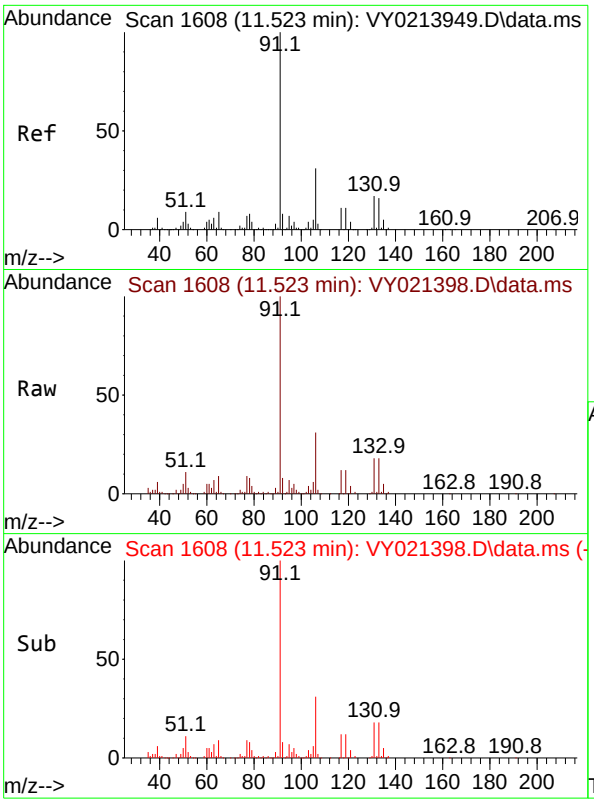


#66
1,1,1,2-Tetrachloroethane
Concen: 18.050 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:131 Resp: 47998

Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.6	142.9
119	64.0	32.3	96.9





#67
Ethyl Benzene
Concen: 17.609 ug/l
RT: 11.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 91 Resp: 23246

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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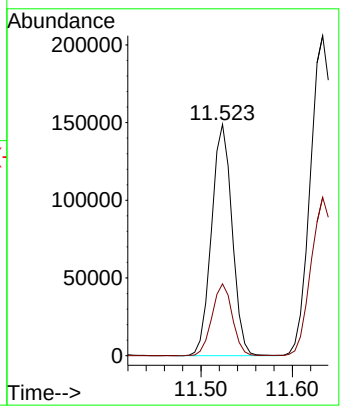
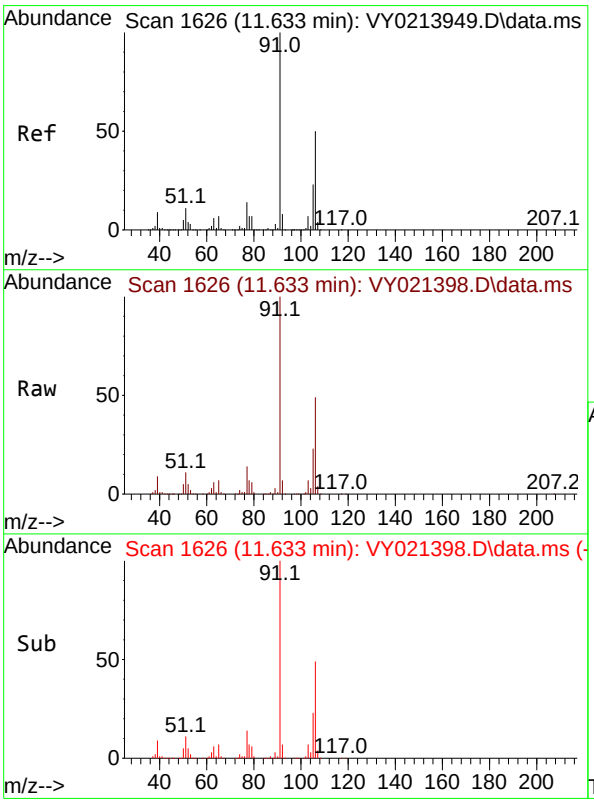
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

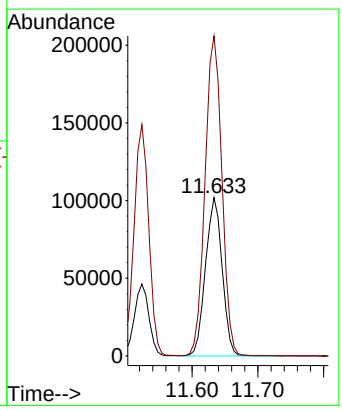


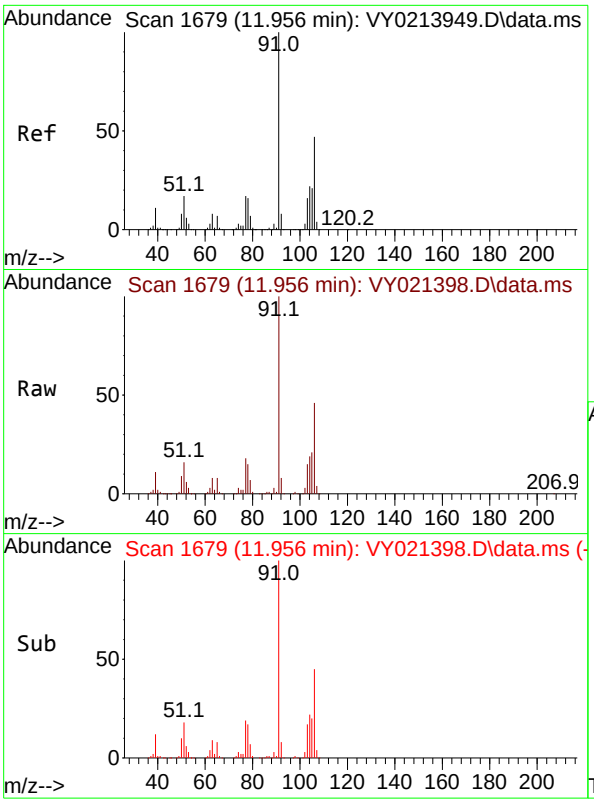


#68
m/p-Xylenes
Concen: 35.847 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:106 Resp: 179664

Ion	Ratio	Lower	Upper
106	100		
91	203.8	161.7	242.5





#69
o-Xylene
Concen: 17.516 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:106 Resp: 8090

Ion	Ratio	Lower	Upper
106	100		
91	218.6	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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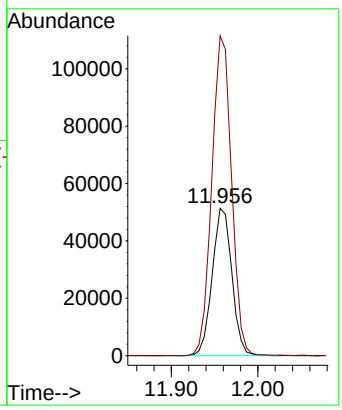
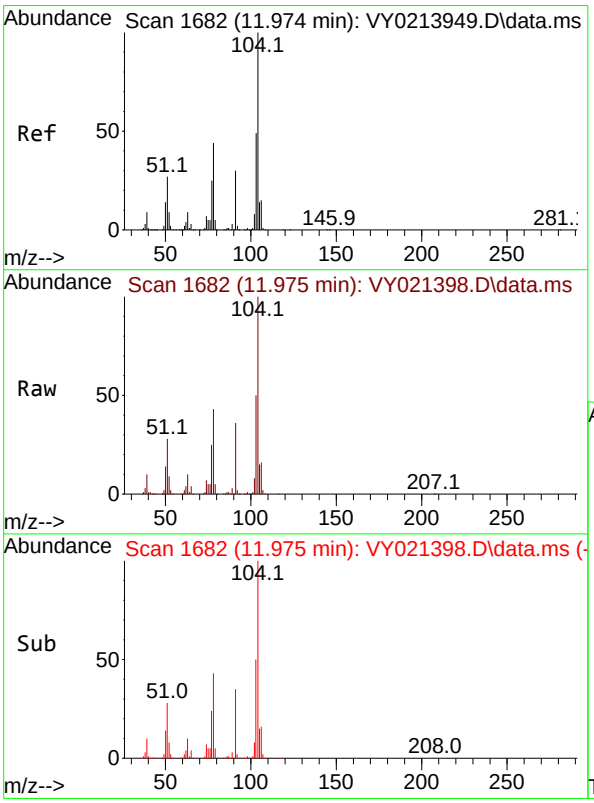
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

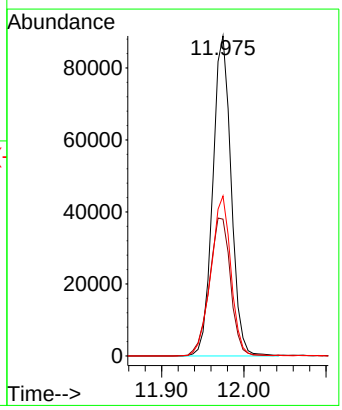


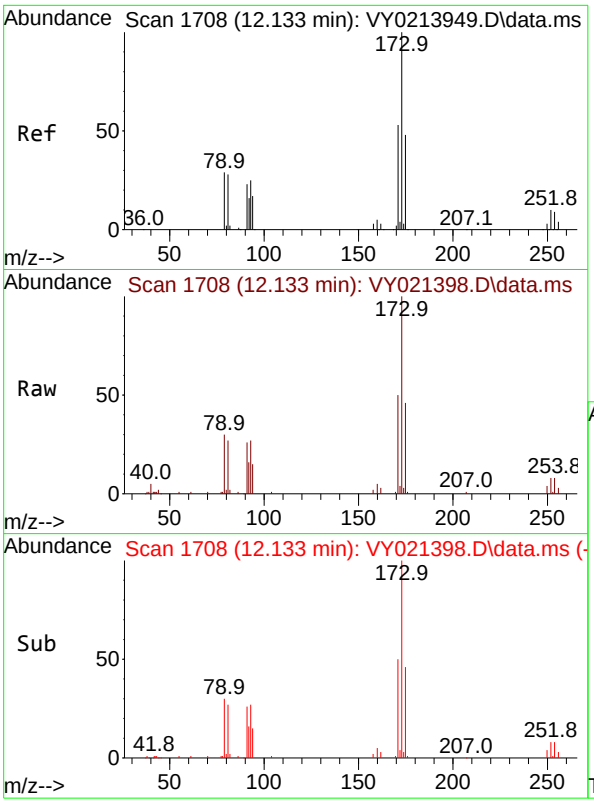


#70
Styrene
Concen: 18.027 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:104 Resp: 138147

Ion	Ratio	Lower	Upper
104	100		
78	50.0	40.7	61.1
103	54.4	44.1	66.1

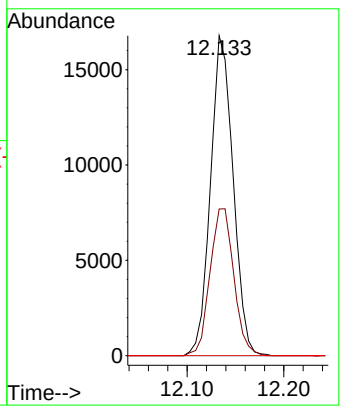




#71
Bromoform
Concen: 18.288 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:173 Resp: 2718

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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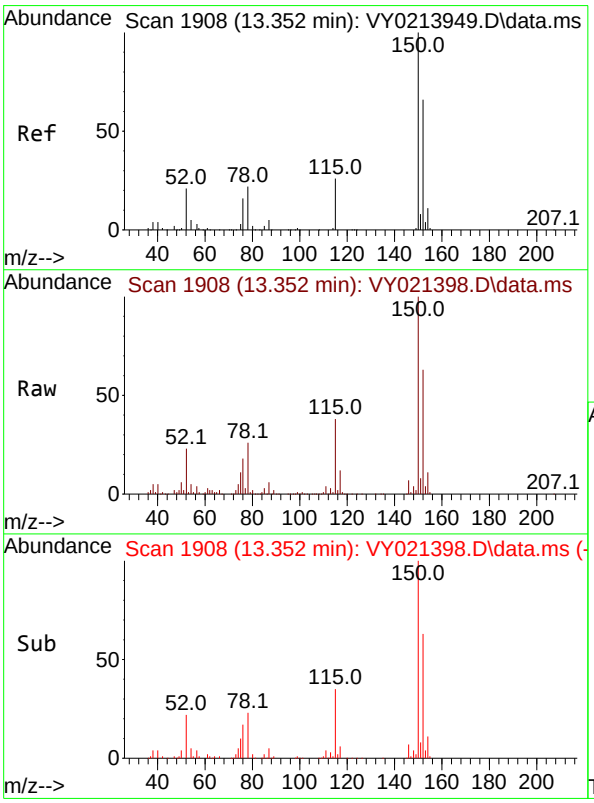
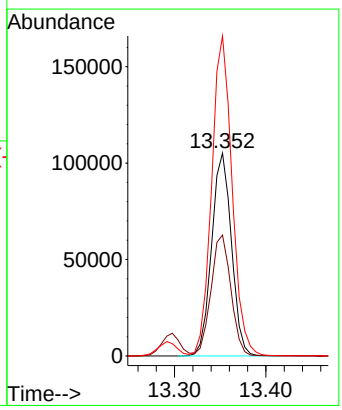
Supervised By :Semsettin Yesilyurt 03/06/2025

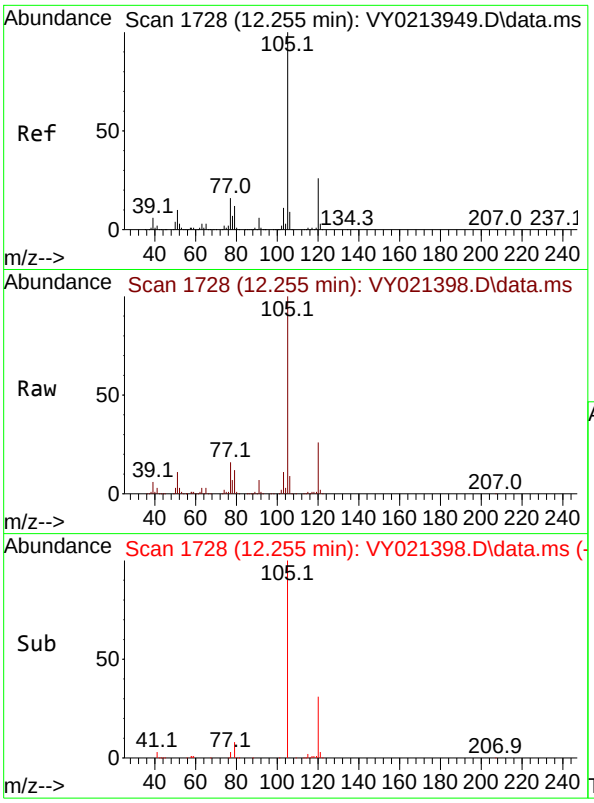


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:152 Resp: 158359

Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.0	87.0
150	162.4	0.0	347.2

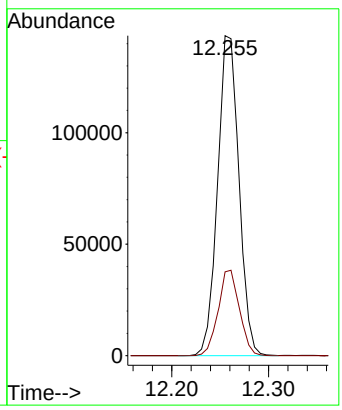




#73
Isopropylbenzene
Concen: 17.612 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:105 Resp: 21969

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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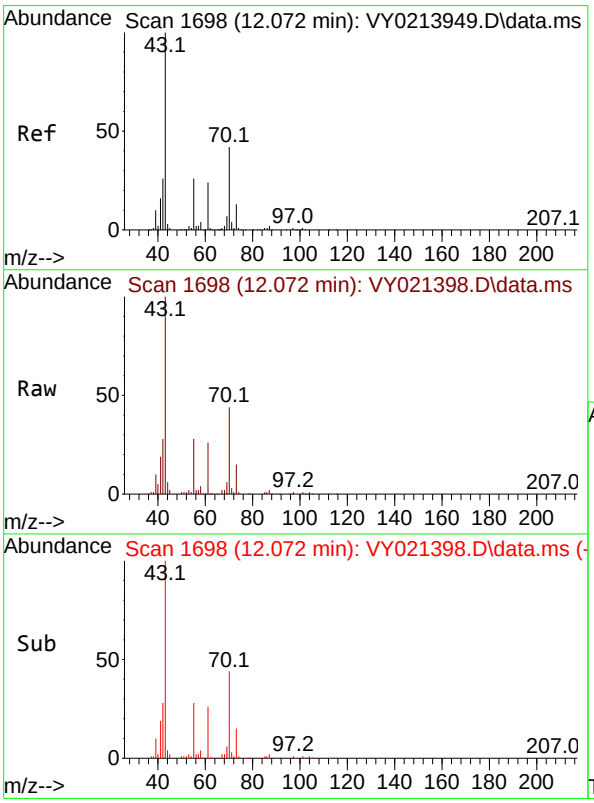
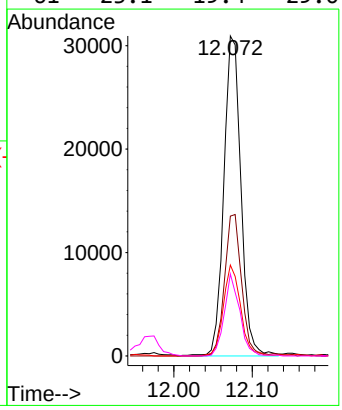
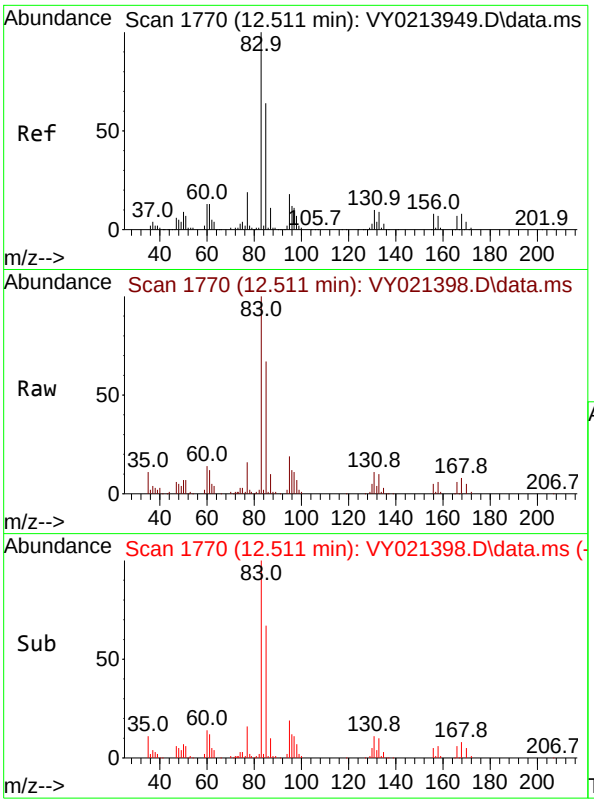


#74
N-amyl acetate
Concen: 17.372 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 43 Resp: 47062

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.6	51.8
55	28.7	21.1	31.7
61	23.1	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 18.341 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 83 Resp: 4037

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.3	16.1
85	63.0	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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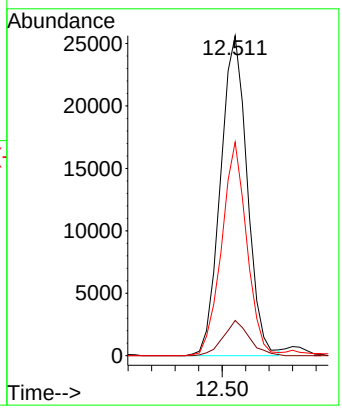
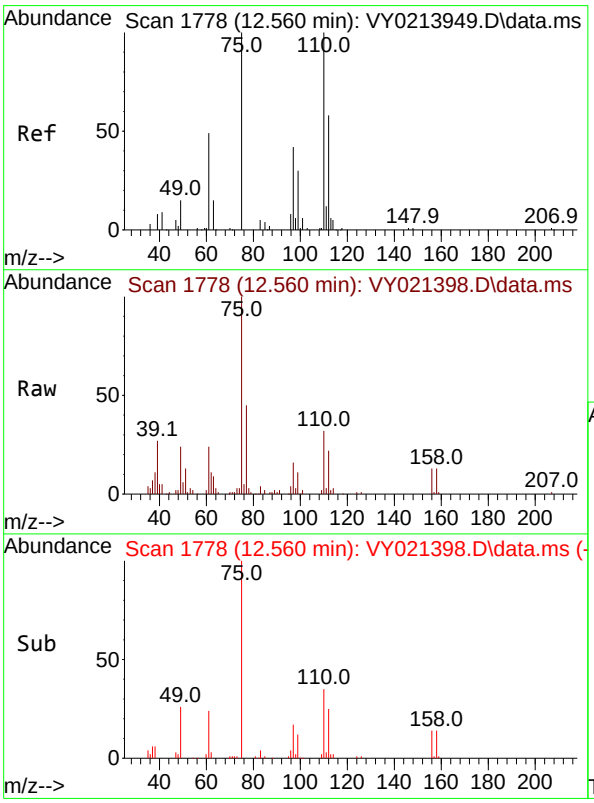
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

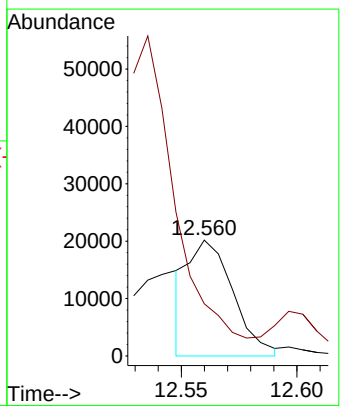


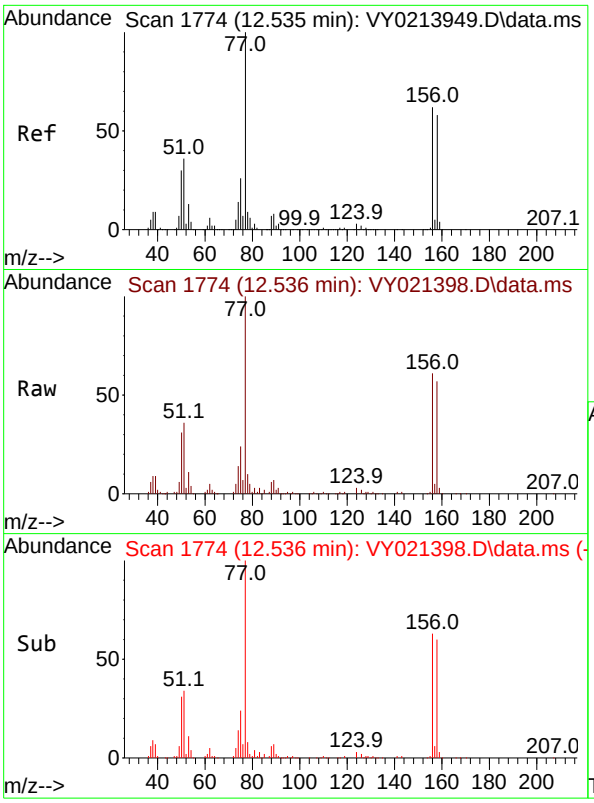


#76
1,2,3-Trichloropropane
Concen: 17.055 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 75 Resp: 27215

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 17.874 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:156 Resp: 5216

Ion	Ratio	Lower	Upper
156	100		
77	181.3	93.6	280.8
158	97.3	48.3	144.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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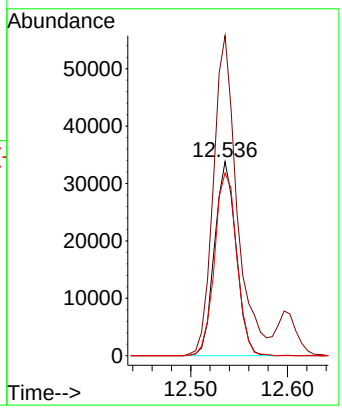
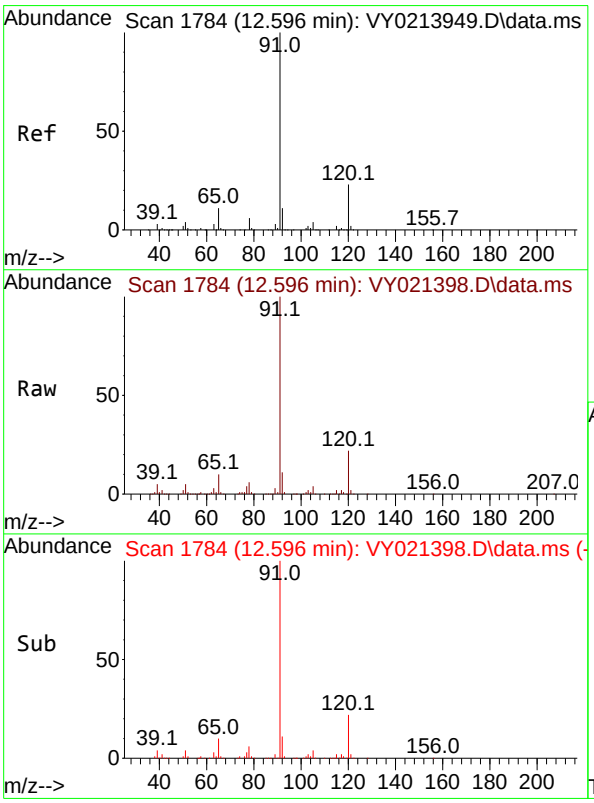
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

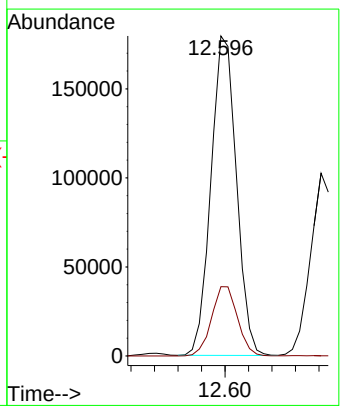


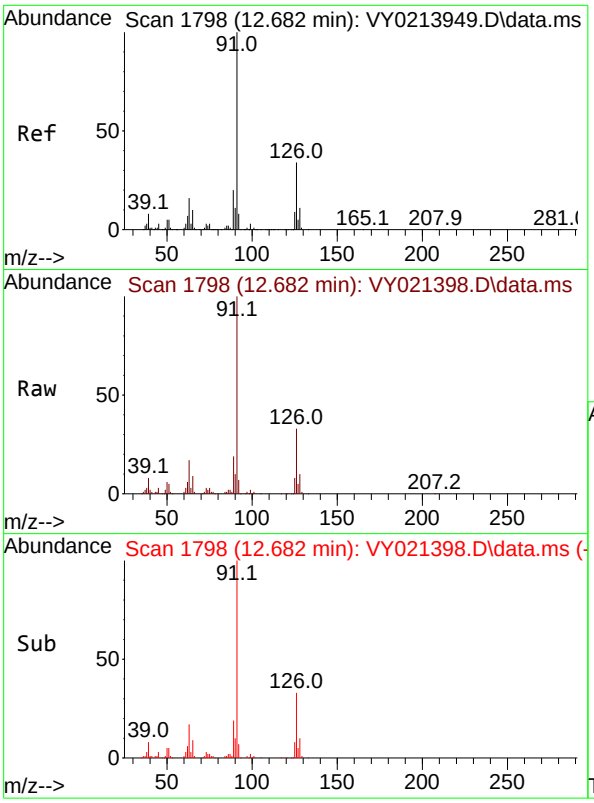


#78
n-propylbenzene
Concen: 17.819 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 91 Resp: 269961

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8





#79
2-Chlorotoluene
Concen: 17.906 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 91 Resp: 15510

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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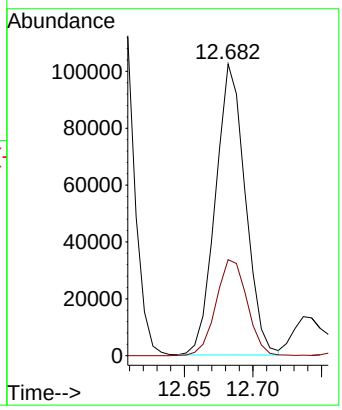
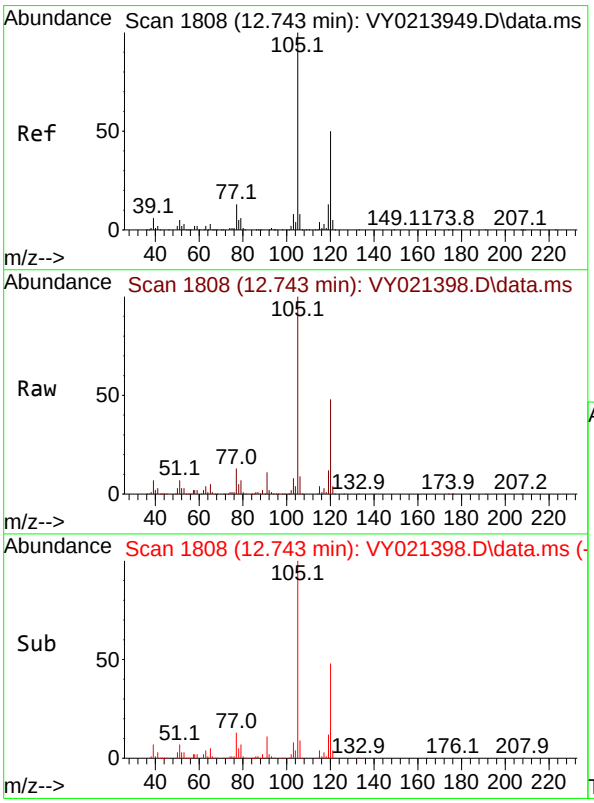
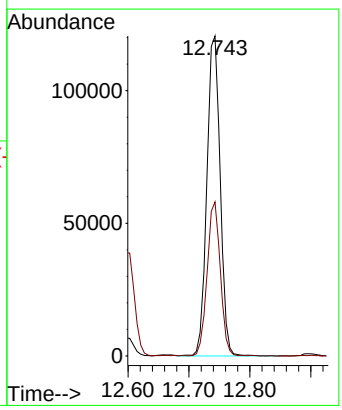


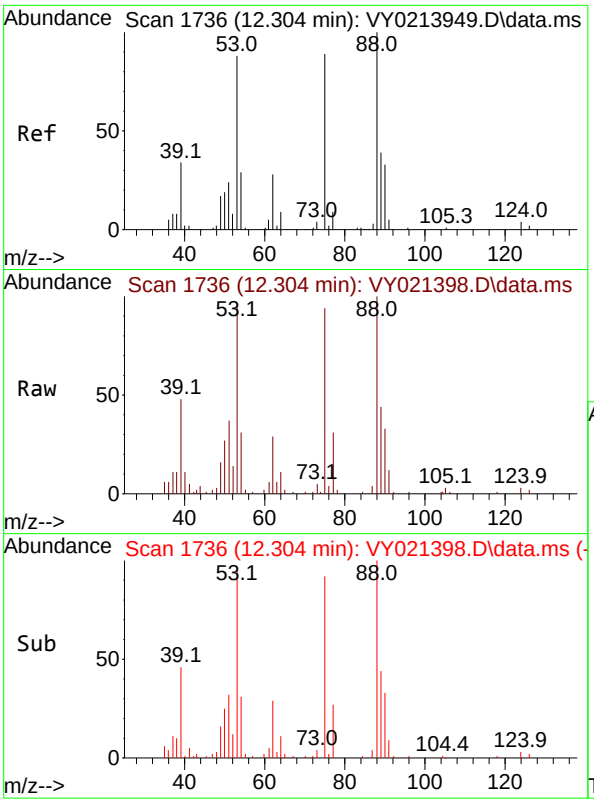


#80
1,3,5-Trimethylbenzene
Concen: 18.091 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:105 Resp: 183398

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 17.456 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 75 Resp: 1225

Ion	Ratio	Lower	Upper
75	100		
53	99.1	81.0	121.4
89	46.9	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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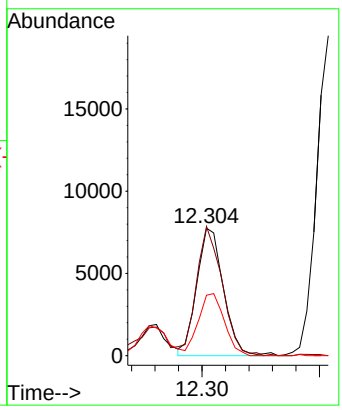
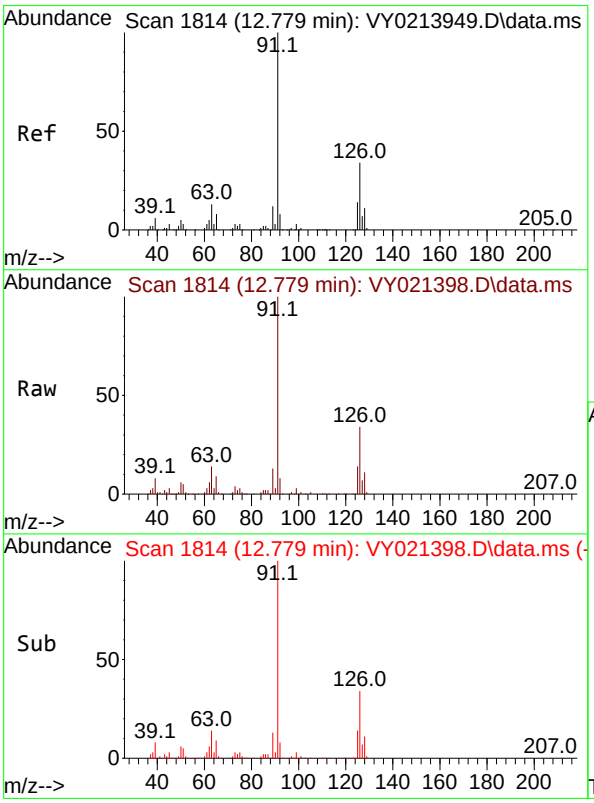
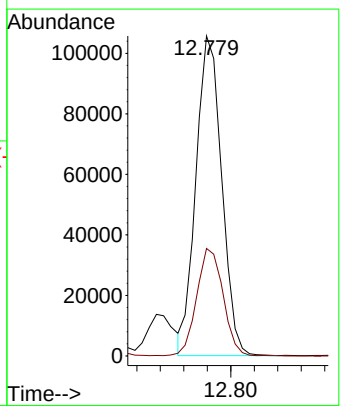


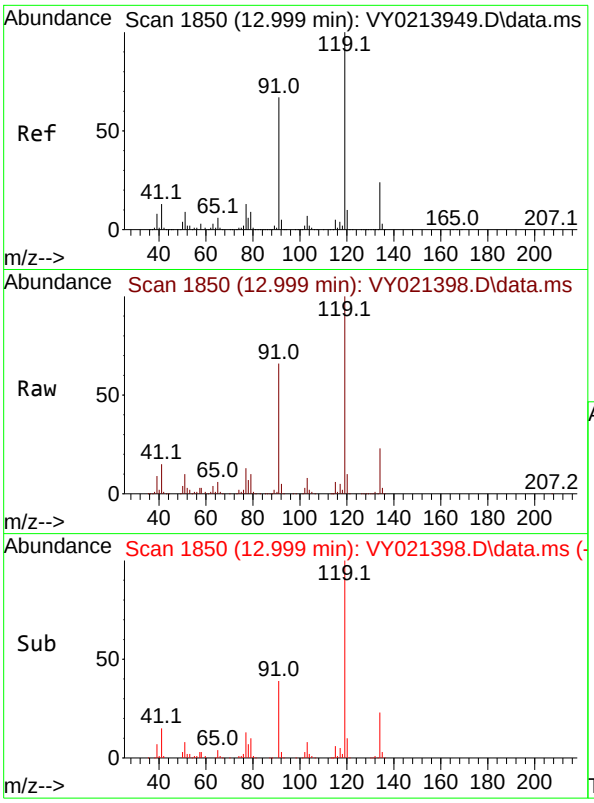


#82
4-Chlorotoluene
Concen: 17.893 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 91 Resp: 160509

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0





#83
tert-Butylbenzene
Concen: 17.461 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:119 Resp: 15791

Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.2	99.6
134	27.3	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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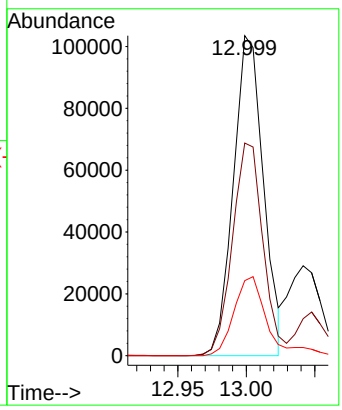
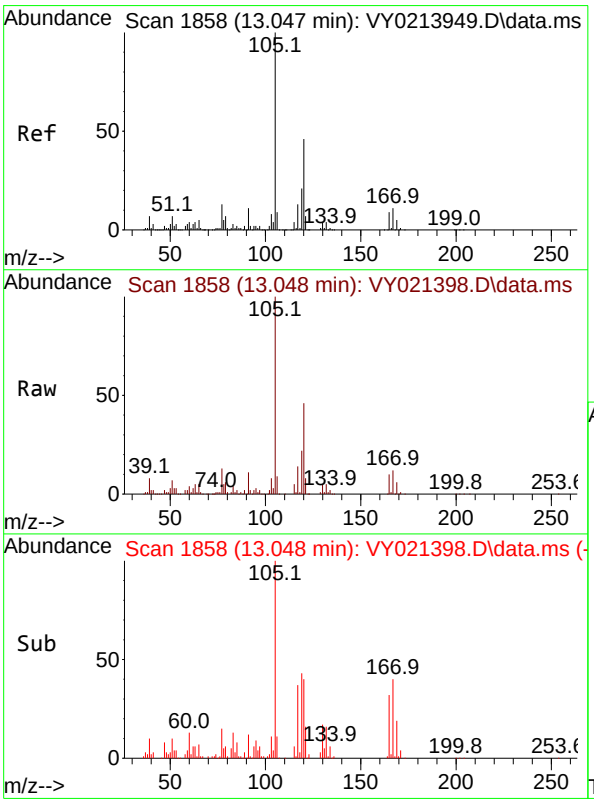
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

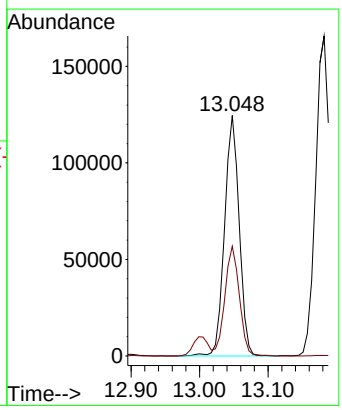


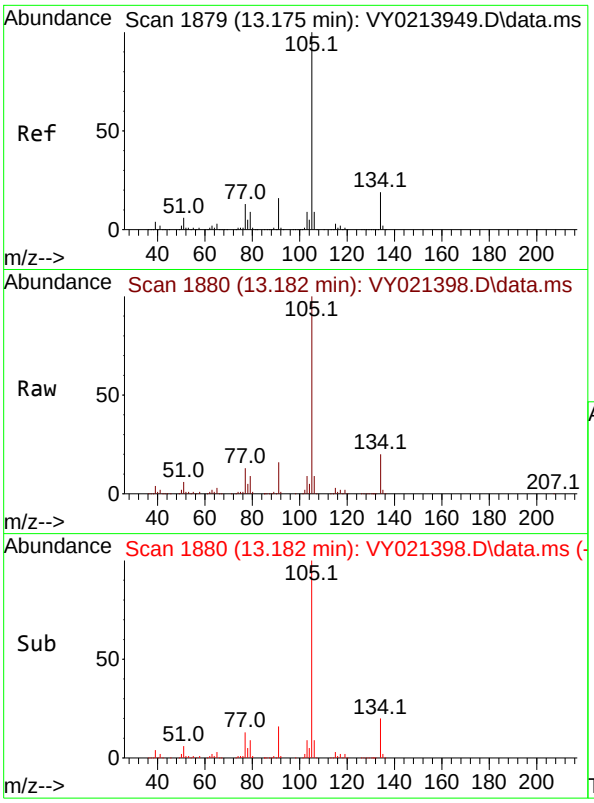


#84
1,2,4-Trimethylbenzene
Concen: 18.254 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:105 Resp: 183733

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1





#85
sec-Butylbenzene
Concen: 18.113 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

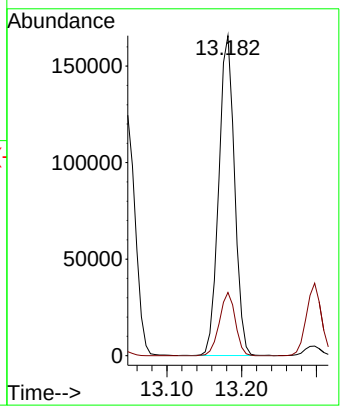
Tgt Ion:105 Resp: 24371

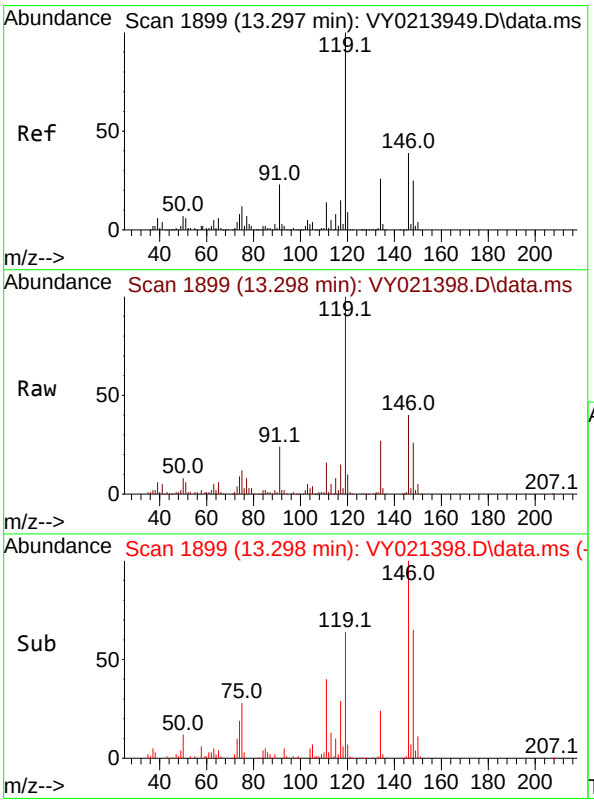
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

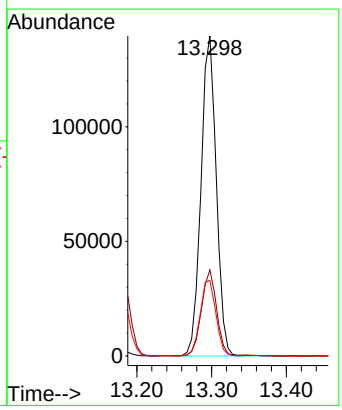


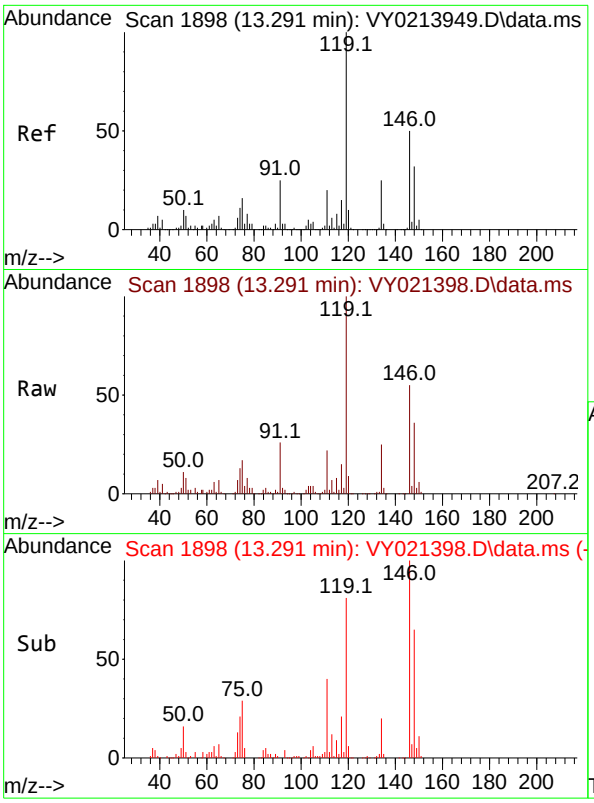


#86
p-Isopropyltoluene
Concen: 17.900 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:119 Resp: 198423

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.1	39.1
91	24.2	12.2	36.6





#87
1,3-Dichlorobenzene
Concen: 17.882 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

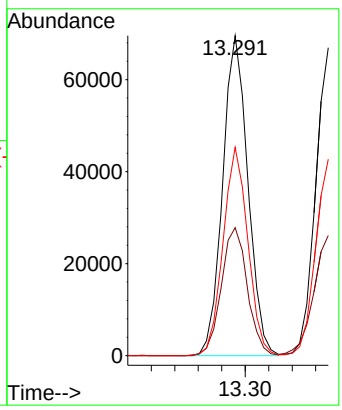
Tgt Ion:146 Resp: 10387

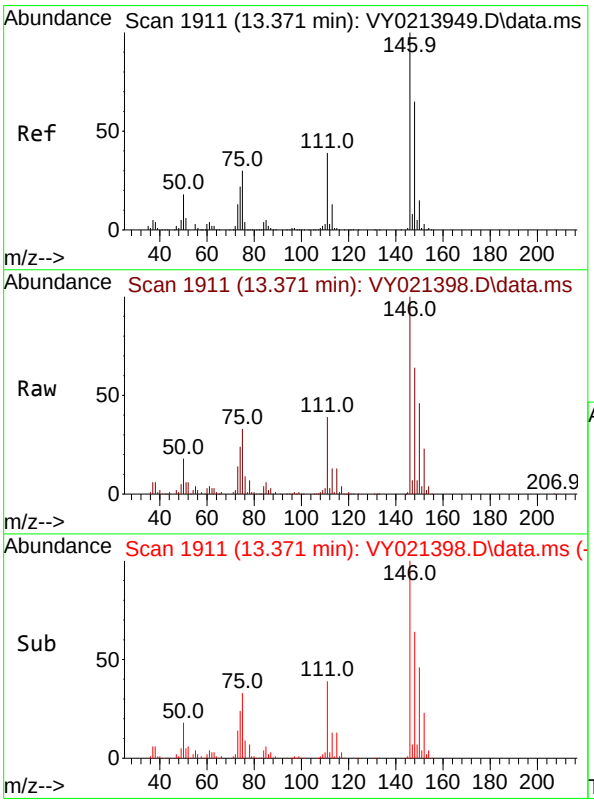
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	60.0
148	63.7	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

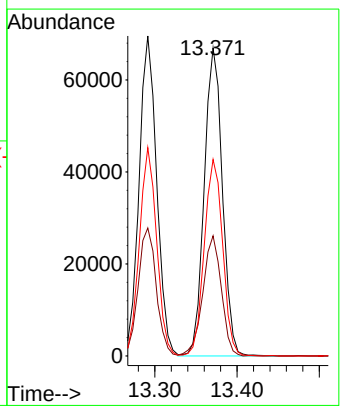


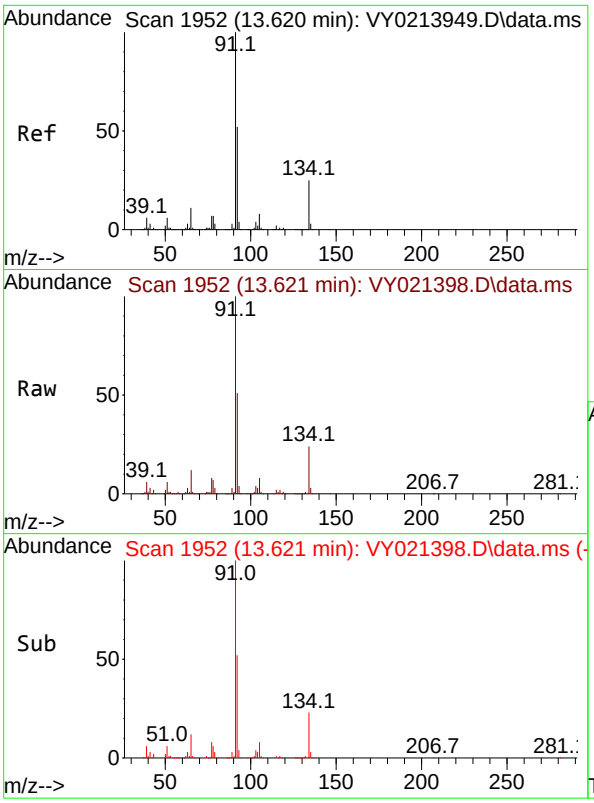


#88
1,4-Dichlorobenzene
Concen: 18.106 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:146 Resp: 102862

Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.8
148	64.7	32.3	96.8





#89
n-Butylbenzene
Concen: 17.741 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

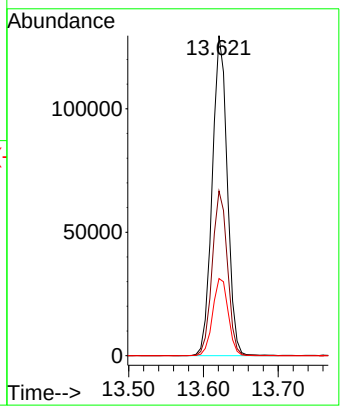
Tgt Ion: 91 Resp: 18160

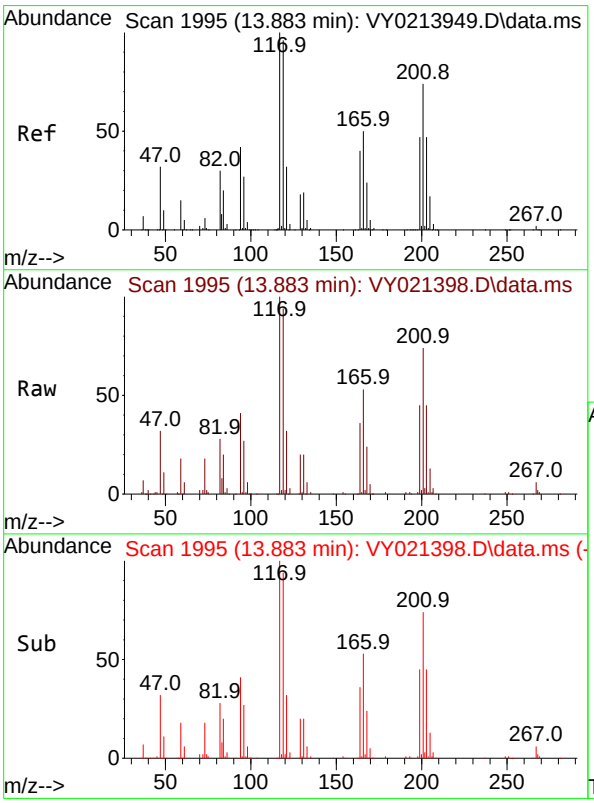
Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.3
134	24.8	12.6	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

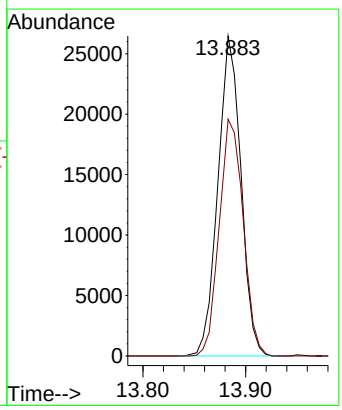


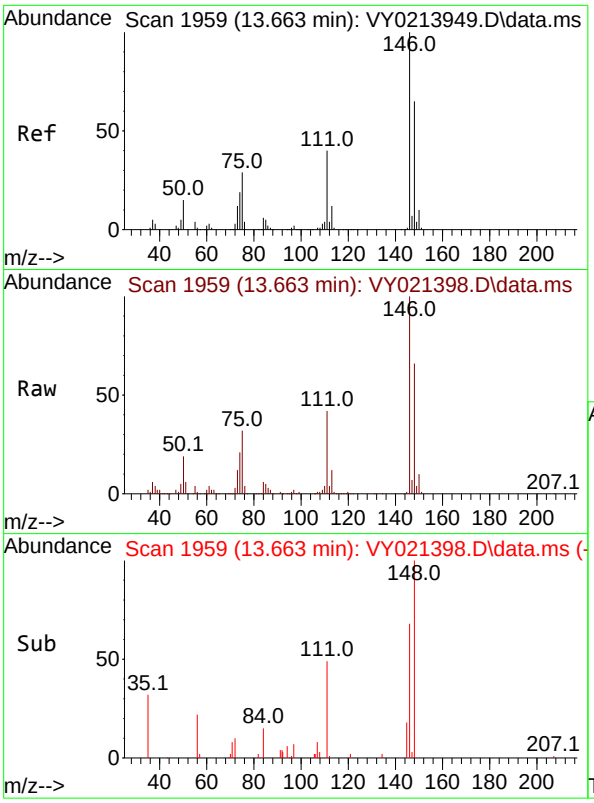


#90
Hexachloroethane
Concen: 17.379 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:117 Resp: 41098

Ion	Ratio	Lower	Upper
117	100		
201	76.9	37.4	112.2

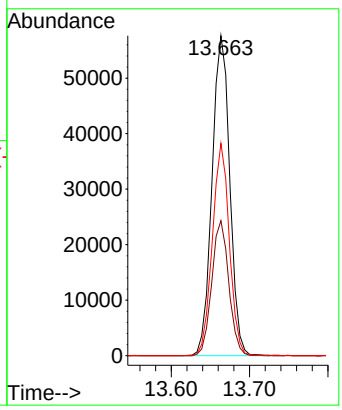




#91
1,2-Dichlorobenzene
Concen: 18.208 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:146 Resp: 9065

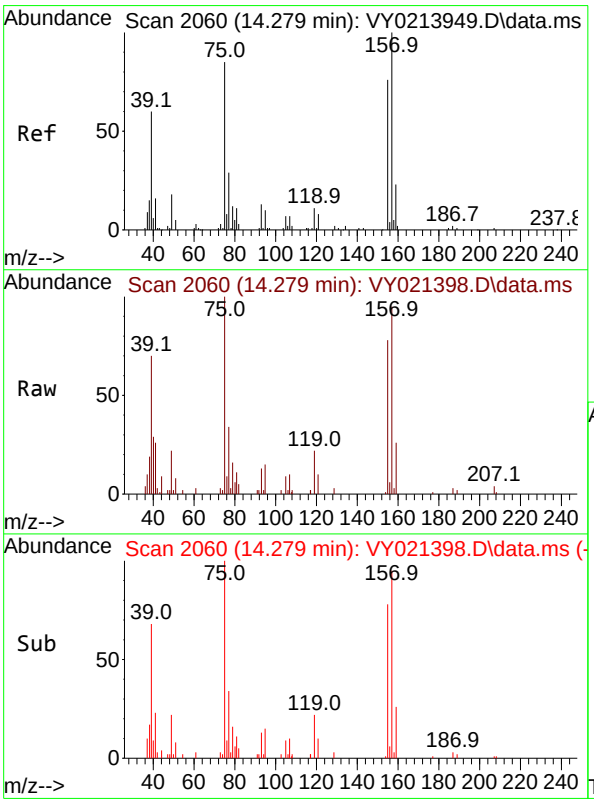
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.7	62.1
148	63.5	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

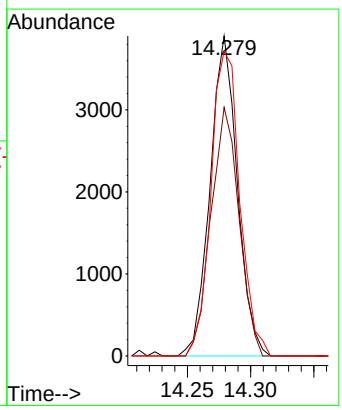
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

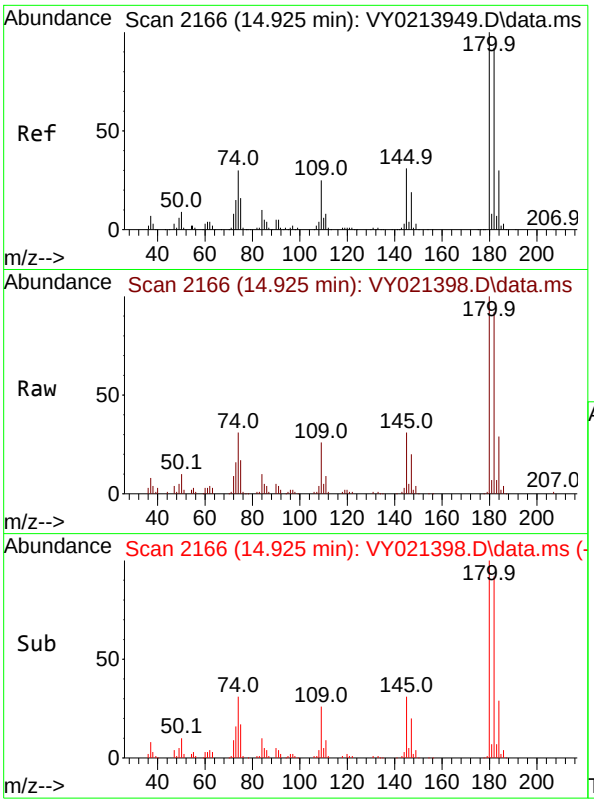


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.741 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion: 75 Resp: 5850

Ion	Ratio	Lower	Upper
75	100		
155	79.9	43.5	130.5
157	100.7	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 17.127 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

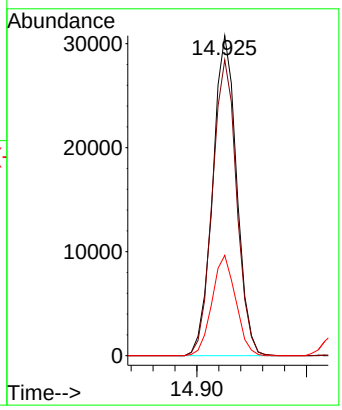
Tgt Ion:180 Resp: 4657

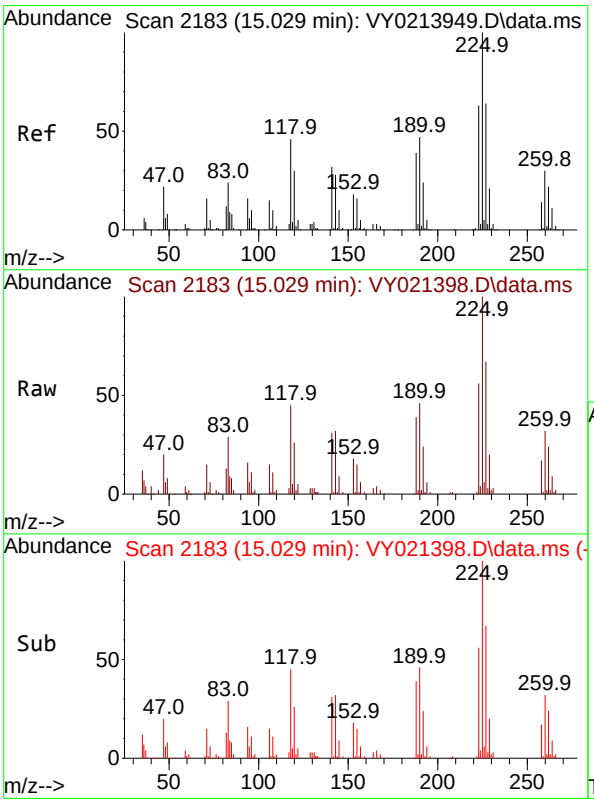
Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.7	140.0
145	31.0	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

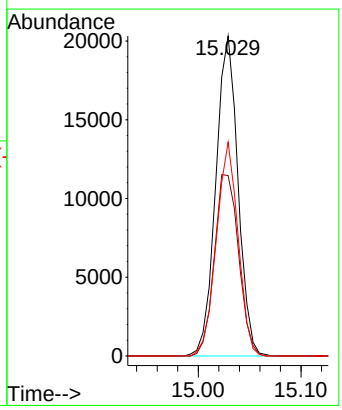


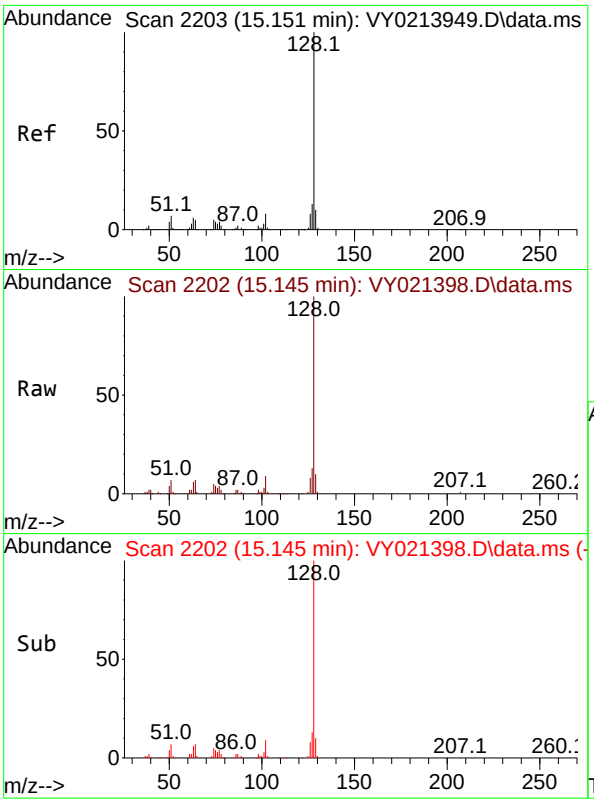


#94
Hexachlorobutadiene
Concen: 17.851 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:225 Resp: 30431

Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.4	94.2
227	65.4	31.8	95.4

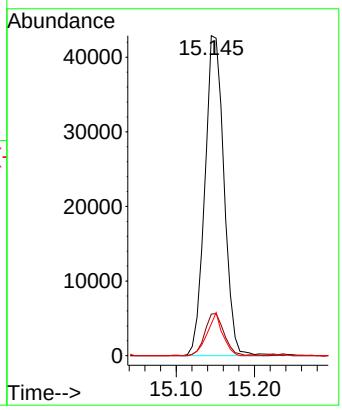




#95
Naphthalene
Concen: 17.845 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:128 Resp: 7273

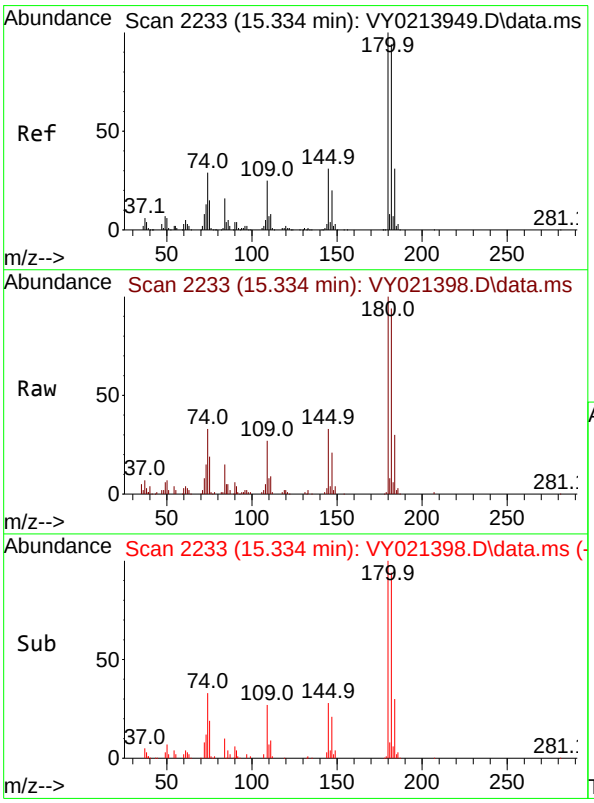
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.8	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

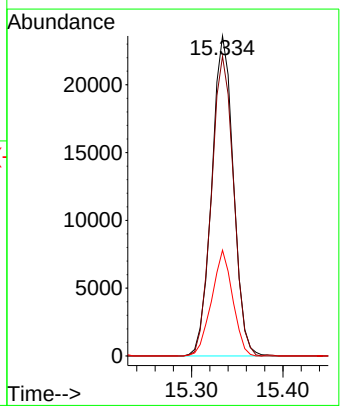
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 16.996 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021398.D
Acq: 04 Mar 2025 10:09

Tgt Ion:180 Resp: 38873

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.2	141.6
145	32.1	16.4	49.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021399.D
Acq On : 04 Mar 2025 10:30
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:59:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	235140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	360221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	321260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	162486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113391	45.625	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.240%			
35) Dibromofluoromethane	7.640	113	106487	44.973	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.940%			
50) Toluene-d8	10.109	98	408759	45.594	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.180%			
62) 4-Bromofluorobenzene	12.407	95	139117	45.618	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	105206	48.756	ug/l	100
3) Chloromethane	2.074	50	145113	47.700	ug/l	100
4) Vinyl Chloride	2.208	62	162385	48.845	ug/l	100
5) Bromomethane	2.604	94	110008	45.784	ug/l	100
6) Chloroethane	2.738	64	108266	49.279	ug/l	100
7) Trichlorofluoromethane	3.067	101	227308	48.986	ug/l	100
8) Diethyl Ether	3.458	74	66509	51.720	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.830	101	126512	47.753	ug/l	100
10) Methyl Iodide	4.012	142	148683	55.210	ug/l	100
11) Tert butyl alcohol	4.872	59	44476	277.793	ug/l	100
12) 1,1-Dichloroethene	3.799	96	118986	49.262	ug/l	100
13) Acrolein	3.665	56	5354	42.354	ug/l	100
14) Allyl chloride	4.397	41	197932	50.708	ug/l	100
15) Acrylonitrile	5.067	53	146888	268.329	ug/l	100
16) Acetone	3.872	43	157979	291.440	ug/l	100
17) Carbon Disulfide	4.116	76	383514	50.664	ug/l	100
18) Methyl Acetate	4.390	43	66880	55.606	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	321178	52.463	ug/l	100
20) Methylene Chloride	4.622	84	129715	45.588	ug/l	100
21) trans-1,2-Dichloroethene	5.128	96	132731	49.068	ug/l	100
22) Diisopropyl ether	6.024	45	435305	51.747	ug/l	100
23) Vinyl Acetate	5.969	43	1305446	271.918	ug/l	100
24) 1,1-Dichloroethane	5.927	63	247003	49.750	ug/l	100
25) 2-Butanone	6.896	43	212274	283.093	ug/l	100
26) 2,2-Dichloropropane	6.890	77	220625	48.295	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	153891	50.078	ug/l	100
28) Bromochloromethane	7.250	49	109912	52.805	ug/l	100
29) Tetrahydrofuran	7.268	42	129976	280.779	ug/l	100
30) Chloroform	7.426	83	255675	49.593	ug/l	100
31) Cyclohexane	7.707	56	221181	47.519	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	230018	48.727	ug/l	100
36) 1,1-Dichloropropene	7.841	75	186577	50.340	ug/l	100
37) Ethyl Acetate	6.988	43	89317	53.423	ug/l	100
38) Carbon Tetrachloride	7.823	117	211310	49.573	ug/l	100
39) Methylcyclohexane	9.115	83	234520	51.585	ug/l	100
40) Benzene	8.085	78	555364	50.867	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021399.D
Acq On : 04 Mar 2025 10:30
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:59:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	47147	51.774	ug/l	100
42) 1,2-Dichloroethane	8.164	62	157205	51.469	ug/l	100
43) Isopropyl Acetate	8.201	43	173913	54.689	ug/l	100
44) Trichloroethene	8.871	130	137378	49.793	ug/l	100
45) 1,2-Dichloropropane	9.146	63	132392	50.949	ug/l	100
46) Dibromomethane	9.237	93	76517	52.923	ug/l	100
47) Bromodichloromethane	9.426	83	197243	51.370	ug/l	100
48) Methyl methacrylate	9.225	41	82355	55.853	ug/l	100
49) 1,4-Dioxane	9.231	88	16238	1144.224	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	472885	288.203	ug/l	100
52) Toluene	10.176	92	356029	51.723	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	179810	53.154	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	211622	52.691	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	101913	53.886	ug/l	100
56) Ethyl methacrylate	10.444	69	137939	57.187	ug/l	100
57) 1,3-Dichloropropane	10.719	76	172259	52.551	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	313349	281.418	ug/l	100
59) 2-Hexanone	10.761	43	327200	301.583	ug/l	100
60) Dibromochloromethane	10.914	129	135595	52.296	ug/l	100
61) 1,2-Dibromoethane	11.017	107	94280	52.819	ug/l	100
64) Tetrachloroethene	10.652	164	129562	49.596	ug/l	100
65) Chlorobenzene	11.444	112	381086	50.233	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	135273	50.434	ug/l	100
67) Ethyl Benzene	11.523	91	685789	51.502	ug/l	100
68) m/p-Xylenes	11.633	106	528037	104.452	ug/l	100
69) o-Xylene	11.956	106	243863	52.341	ug/l	100
70) Styrene	11.974	104	410178	53.068	ug/l	100
71) Bromoform	12.133	173	80342	53.584	ug/l	100
73) Isopropylbenzene	12.255	105	655492	51.212	ug/l	100
74) N-amyl acetate	12.072	43	154403	55.547	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.511	83	118077	52.277	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	79840m	48.762	ug/l	
77) Bromobenzene	12.535	156	150460	50.247	ug/l	100
78) n-propylbenzene	12.596	91	797005	51.272	ug/l	100
79) 2-Chlorotoluene	12.682	91	445409	50.112	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	528974	50.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	38697	53.727	ug/l	100
82) 4-Chlorotoluene	12.779	91	462879	50.291	ug/l	100
83) tert-Butylbenzene	12.999	119	475042	51.194	ug/l	100
84) 1,2,4-Trimethylbenzene	13.047	105	531919	51.505	ug/l	100
85) sec-Butylbenzene	13.175	105	708040	51.284	ug/l	100
86) p-Isopropyltoluene	13.297	119	583517	51.302	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	294406	49.392	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	289572	49.675	ug/l	100
89) n-Butylbenzene	13.620	91	550274	52.392	ug/l	100
90) Hexachloroethane	13.883	117	118465	48.822	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	258078	50.517	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	17568	51.924	ug/l	100
93) 1,2,4-Trichlorobenzene	14.925	180	147587	52.891	ug/l	100
94) Hexachlorobutadiene	15.029	225	89592	51.220	ug/l	100
95) Naphthalene	15.151	128	256660	53.894	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	125962	53.673	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021399.D
Acq On : 04 Mar 2025 10:30
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 02:59:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021399.D
Acq On : 04 Mar 2025 10:30
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 05 02:59:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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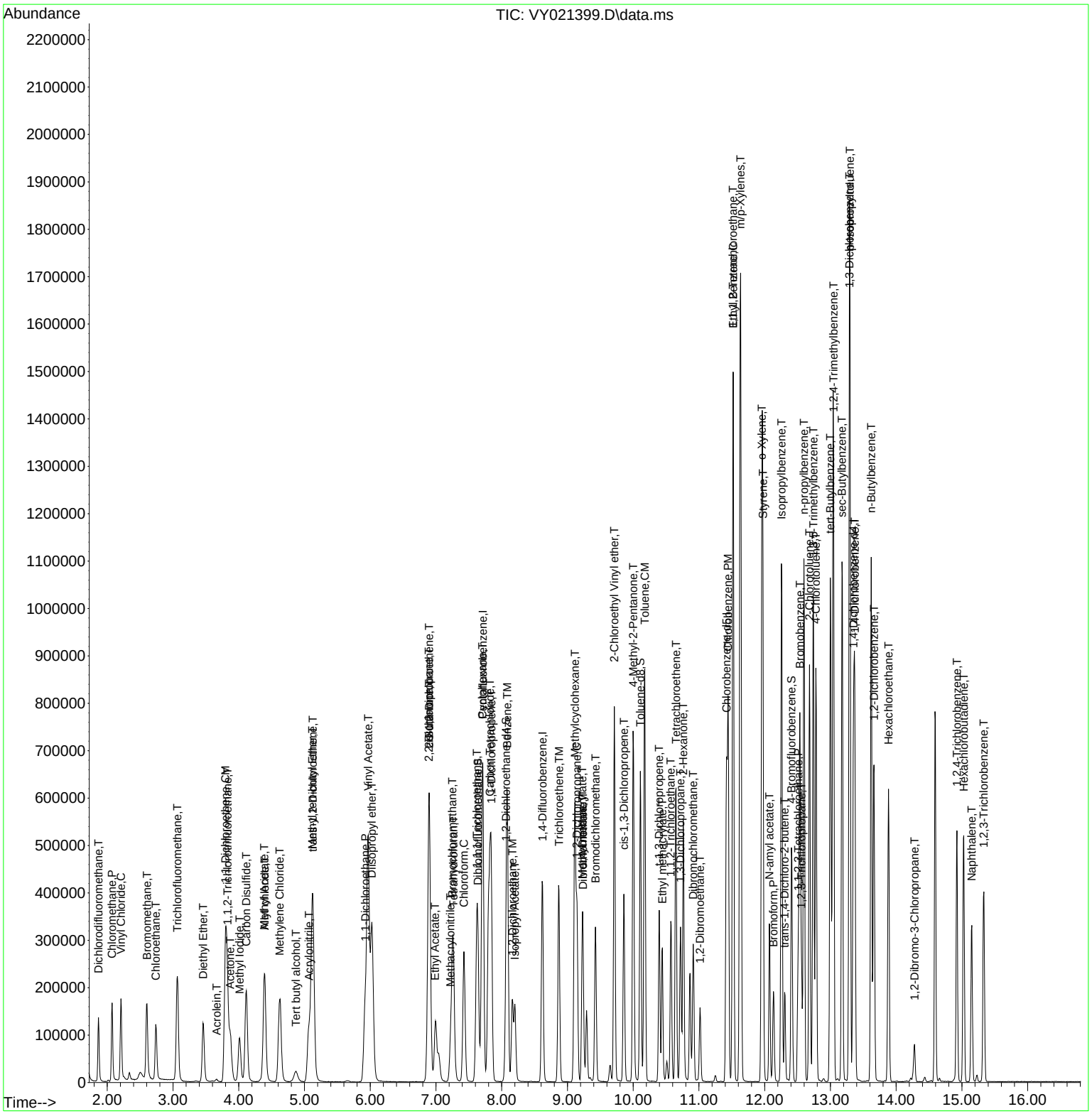
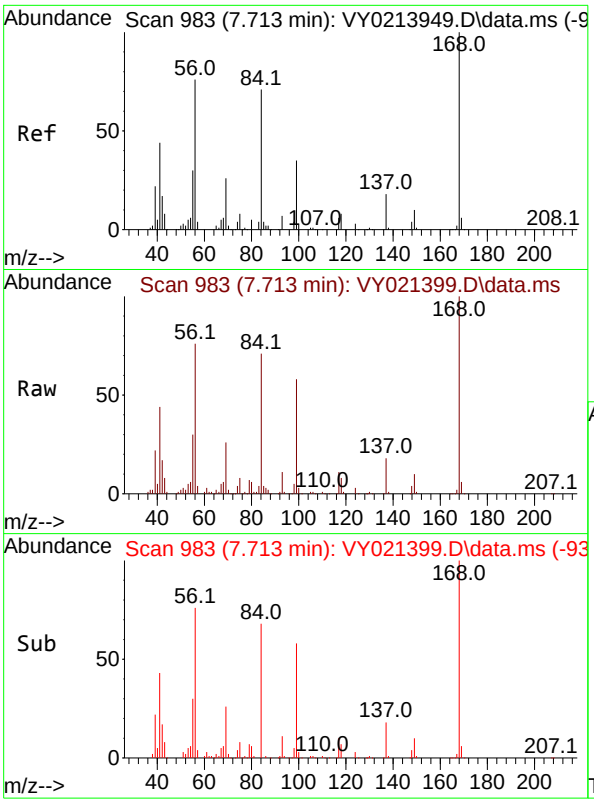
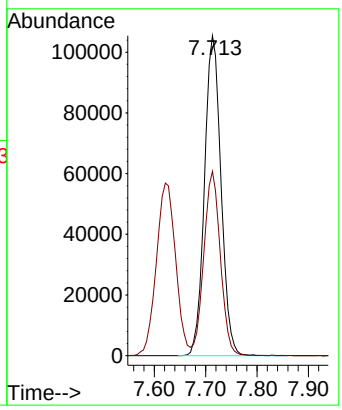




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:168 Resp: 23514

Ion	Ratio	Lower	Upper
168	100		
99	57.5	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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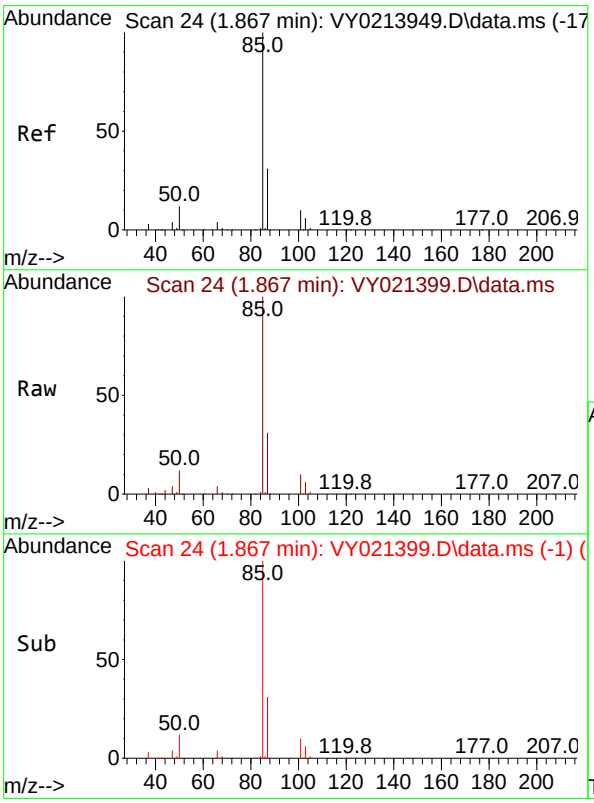
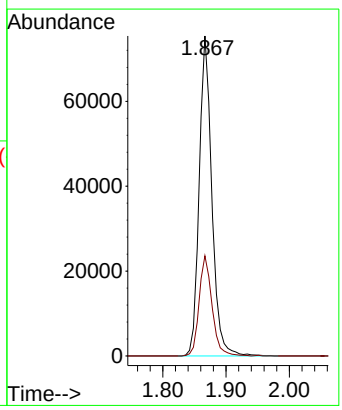
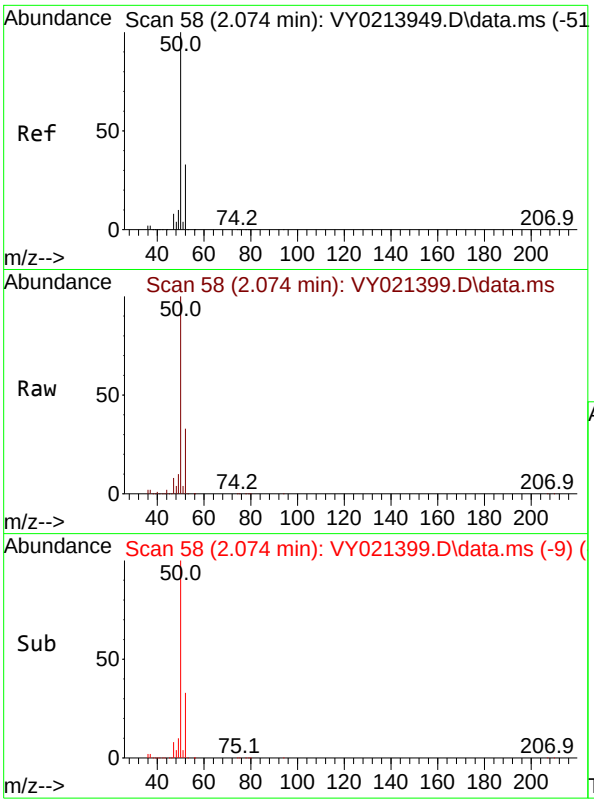


#2
Dichlorodifluoromethane
Concen: 48.756 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 85 Resp: 105206

Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.7	47.0

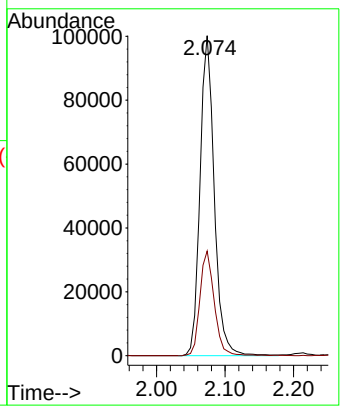




#3
Chloromethane
Concen: 47.700 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 50 Resp: 14511

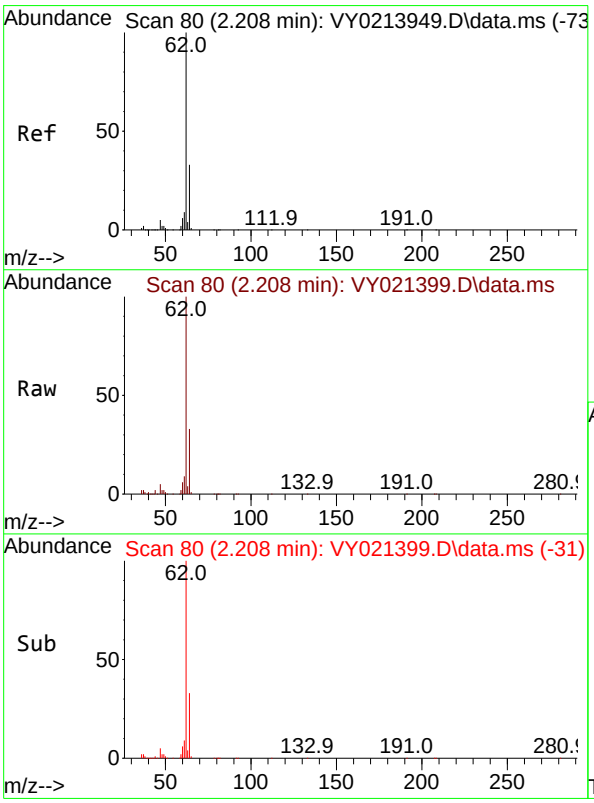
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

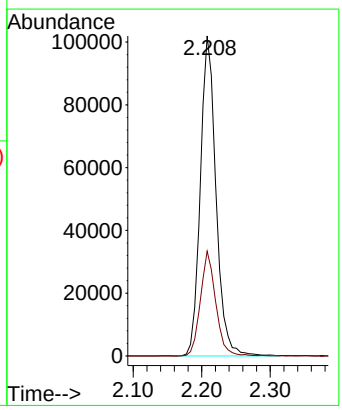
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

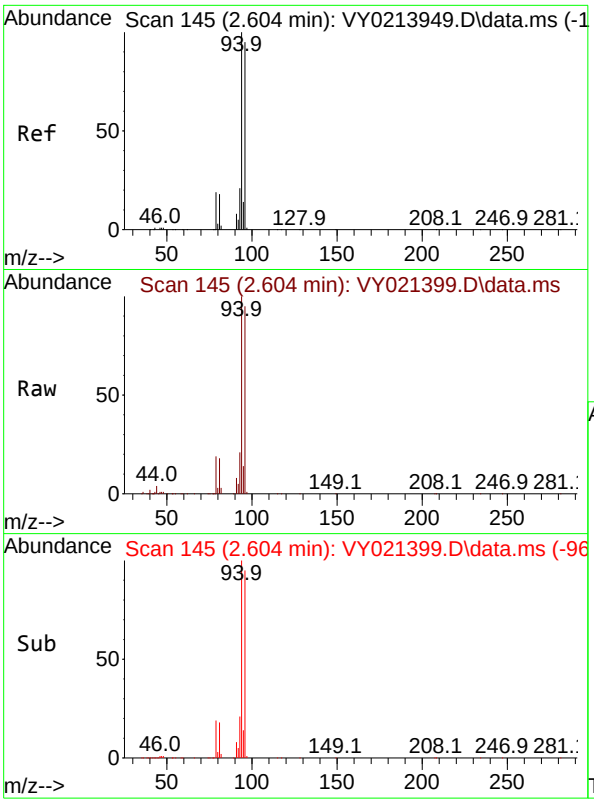


#4
Vinyl Chloride
Concen: 48.845 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 62 Resp: 162385

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.2





#5
Bromomethane
Concen: 45.784 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 94 Resp: 11000

Ion	Ratio	Lower	Upper
94	100		
96	95.4	76.3	114.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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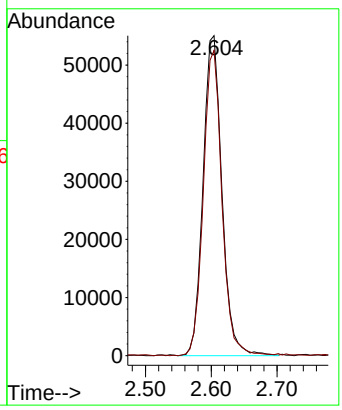
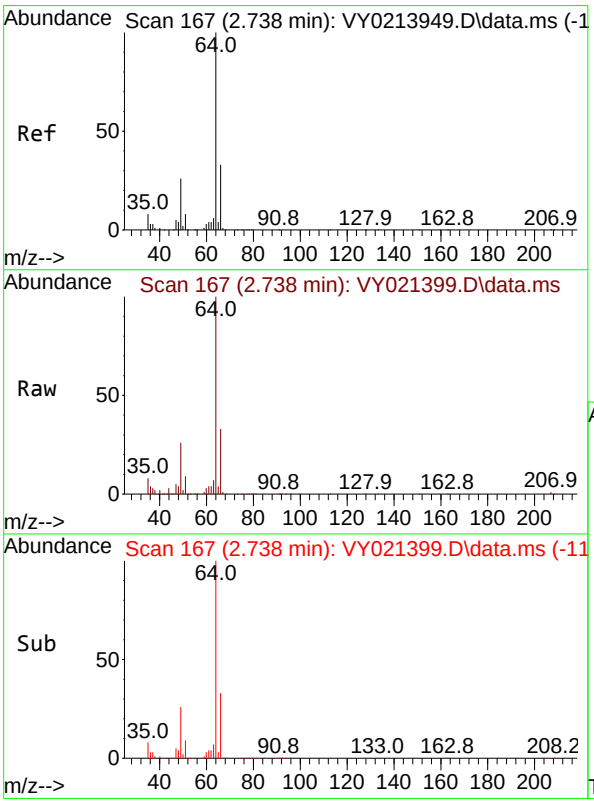
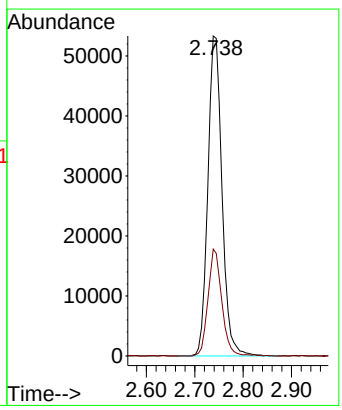


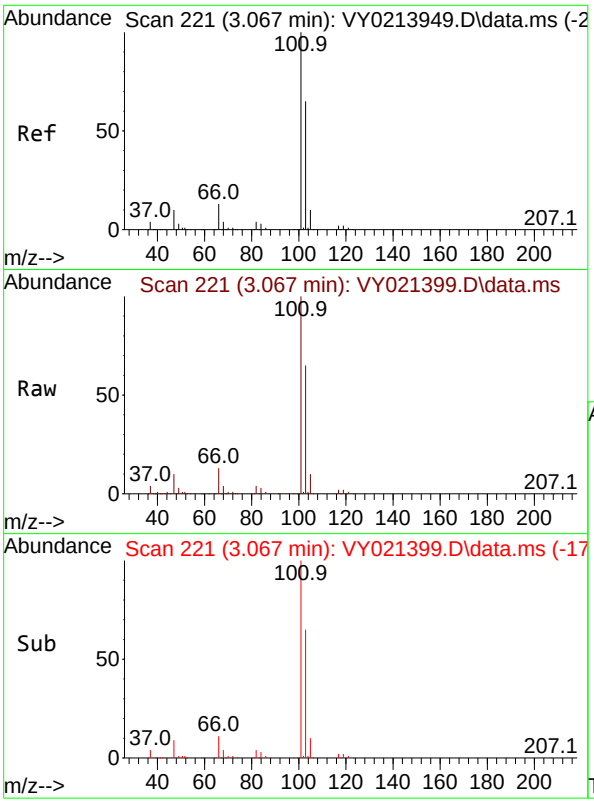


#6
Chloroethane
Concen: 49.279 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 64 Resp: 108266

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1

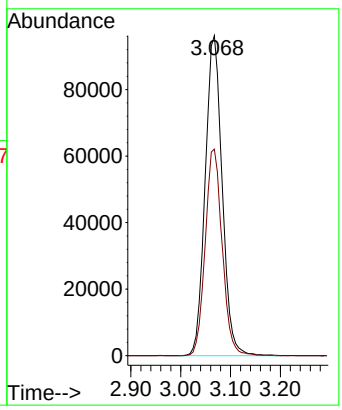




#7
Trichlorofluoromethane
Concen: 48.986 ug/l
RT: 3.067 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:101 Resp: 22730

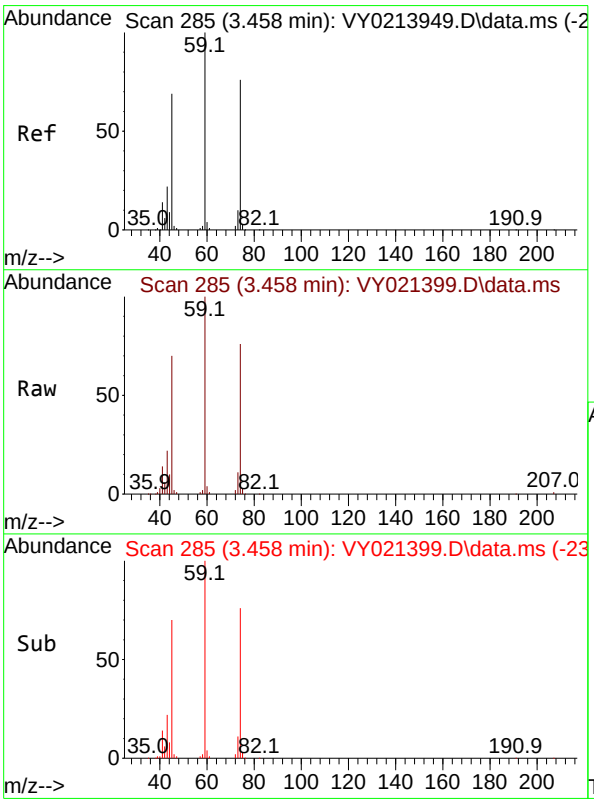
Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

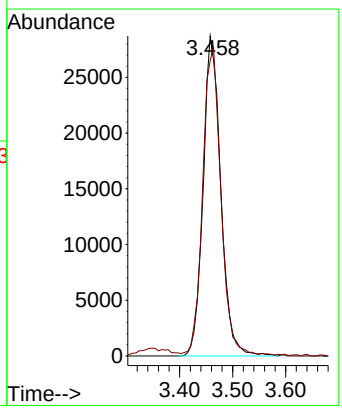
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

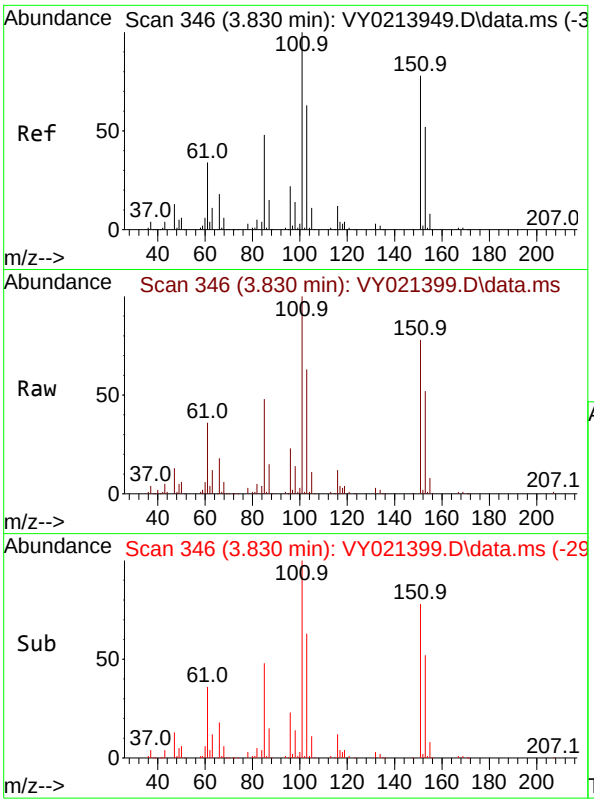


#8
Diethyl Ether
Concen: 51.720 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 74 Resp: 66509

Ion	Ratio	Lower	Upper
74	100		
45	99.4	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.753 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

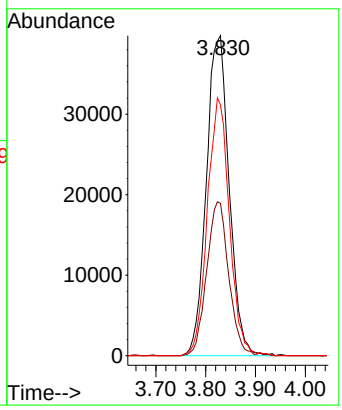
Tgt Ion:101 Resp: 12651

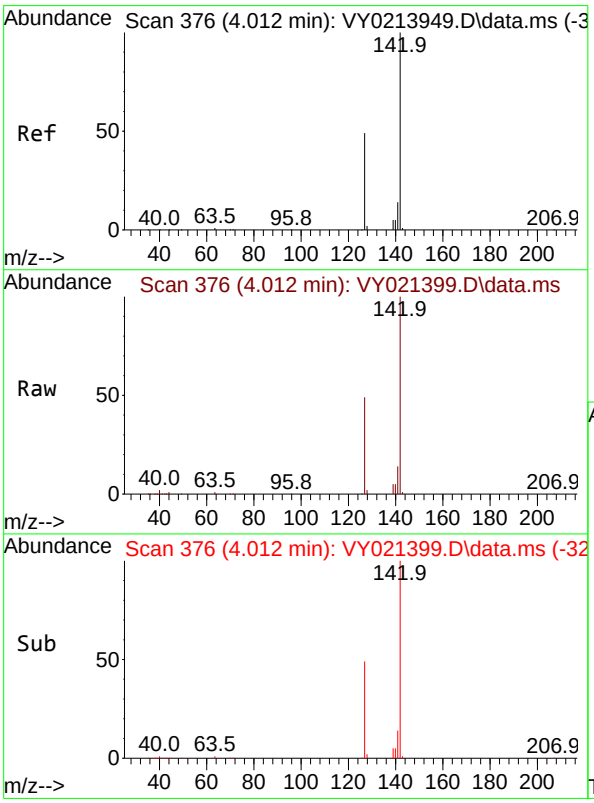
Ion	Ratio	Lower	Upper
101	100		
85	46.4	37.1	55.7
151	77.6	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

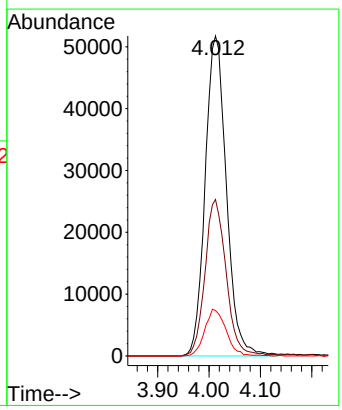


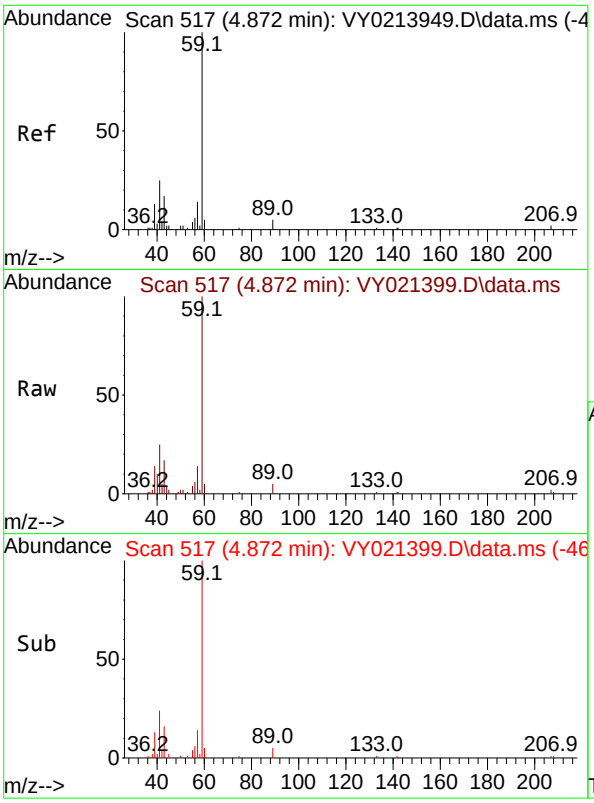


#10
Methyl Iodide
Concen: 55.210 ug/l
RT: 4.012 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:142 Resp: 148683

Ion	Ratio	Lower	Upper
142	100		
127	48.9	39.1	58.7
141	14.7	11.8	17.6

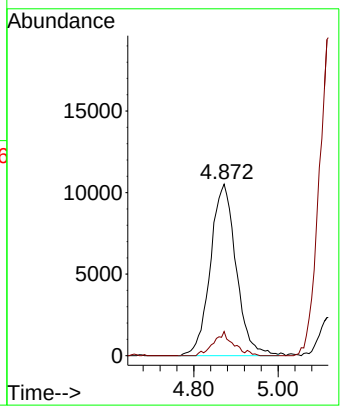




#11
Tert butyl alcohol
Concen: 277.793 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 59 Resp: 4447

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
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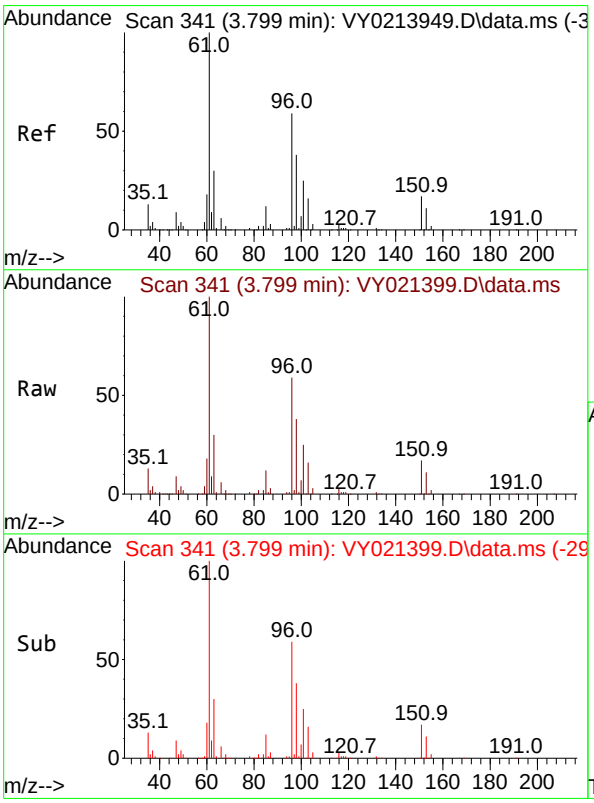
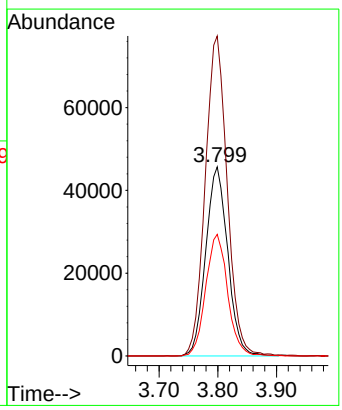
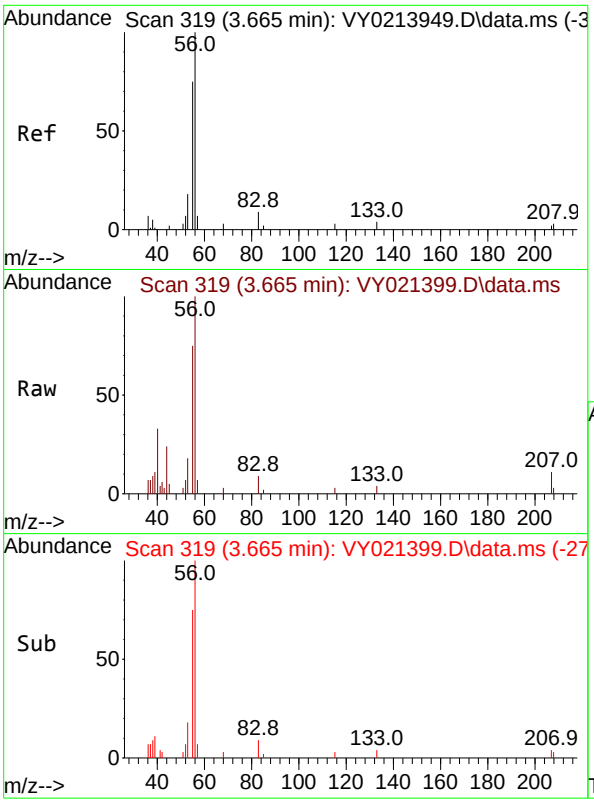


#12
1,1-Dichloroethene
Concen: 49.262 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 96 Resp: 118986

Ion	Ratio	Lower	Upper
96	100		
61	169.0	135.2	202.8
98	64.3	51.4	77.2

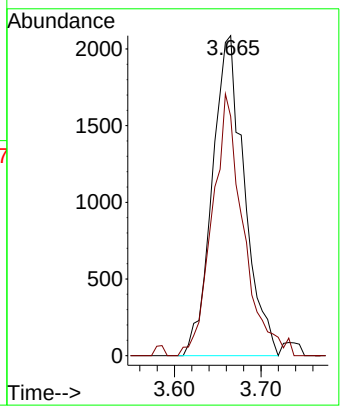




#13
Acrolein
Concen: 42.354 ug/l
RT: 3.665 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 56 Resp: 535

Ion	Ratio	Lower	Upper
56	100		
55	79.3	63.4	95.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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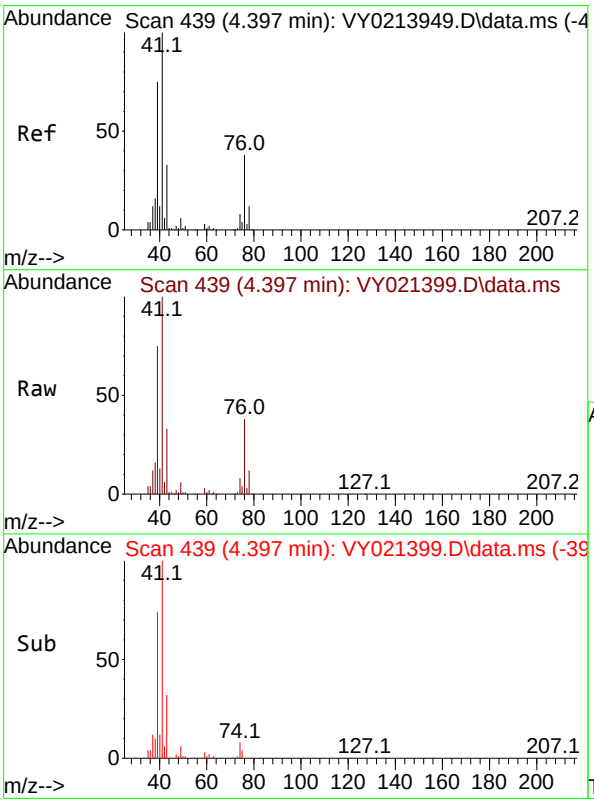
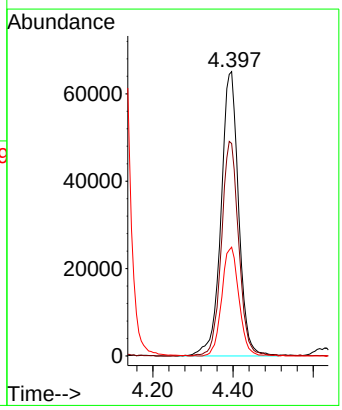
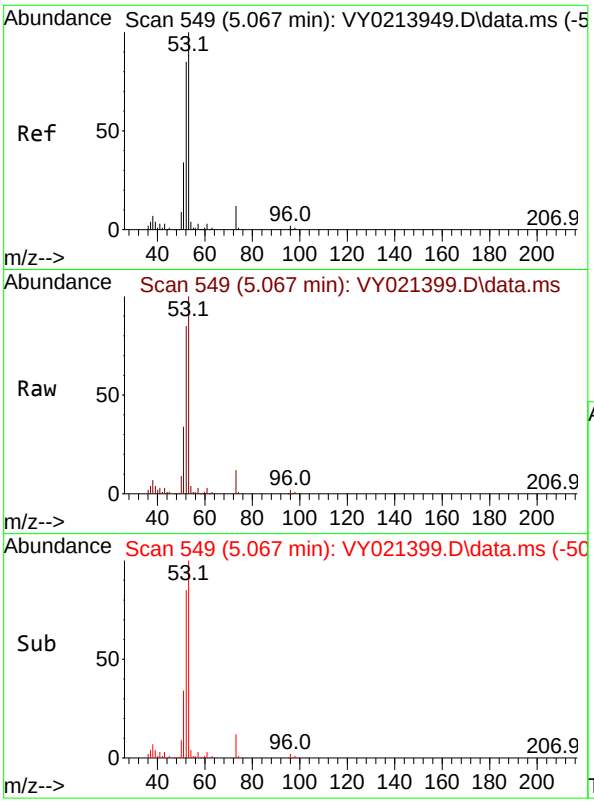


#14
Allyl chloride
Concen: 50.708 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 41 Resp: 197932

Ion	Ratio	Lower	Upper
41	100		
39	74.1	59.3	88.9
76	37.3	29.8	44.8





#15
Acrylonitrile
Concen: 268.329 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 53 Resp: 14688

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.3	99.5
51	37.9	30.3	45.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
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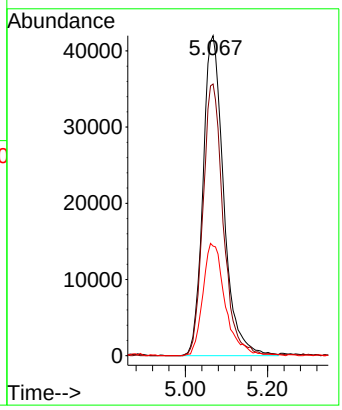
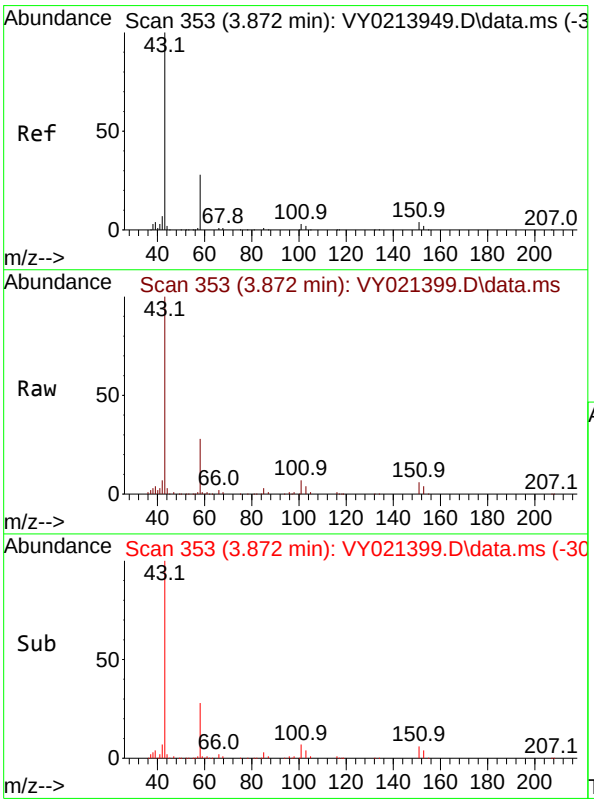
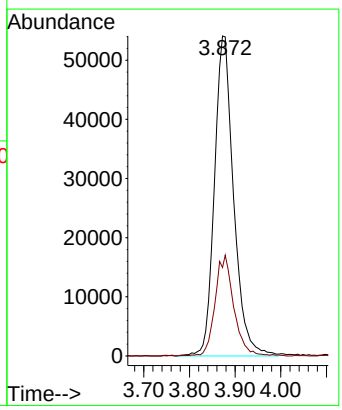


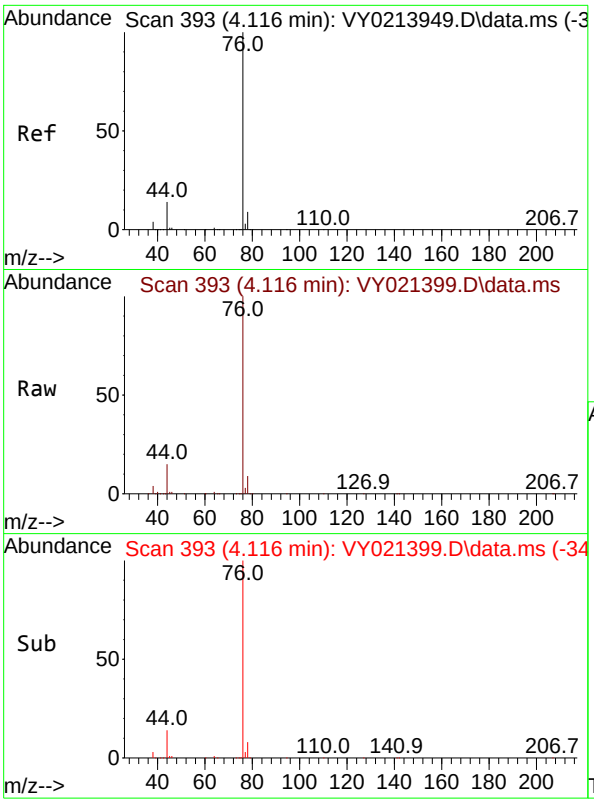


#16
Acetone
Concen: 291.440 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 157979

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.1	33.1





#17
Carbon Disulfide
Concen: 50.664 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 76 Resp: 38351

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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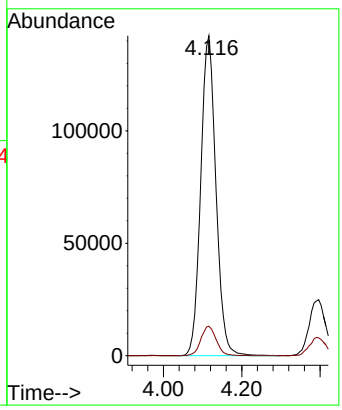
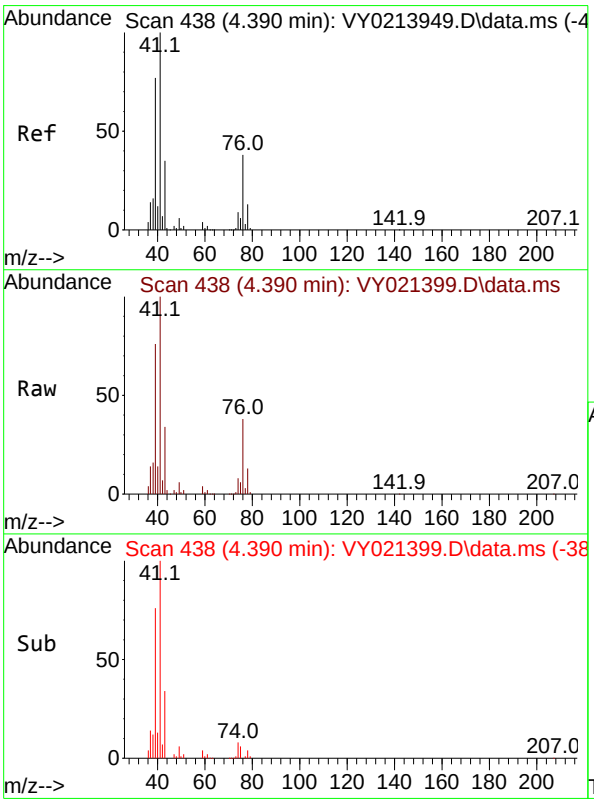
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

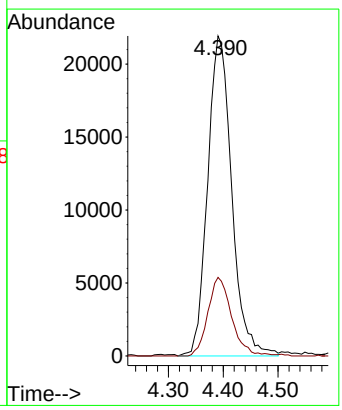


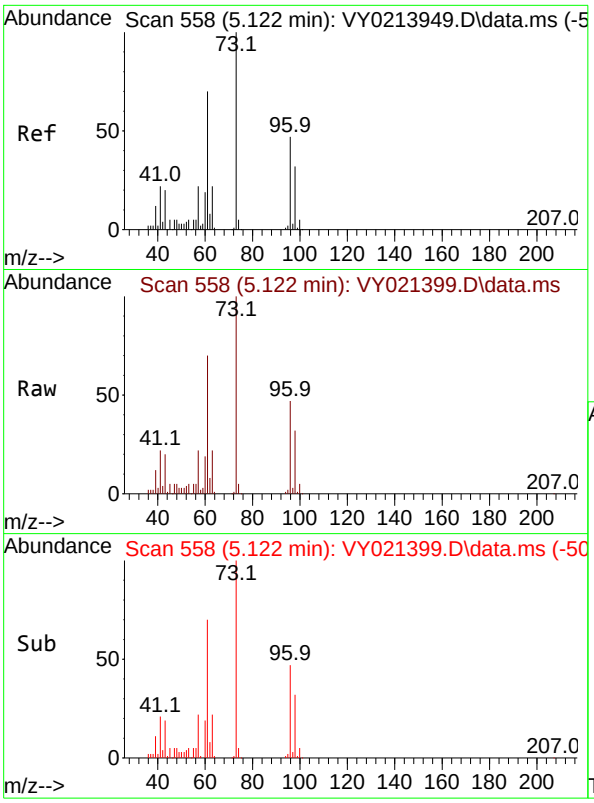


#18
Methyl Acetate
Concen: 55.606 ug/l
RT: 4.390 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 66880

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.4	29.0

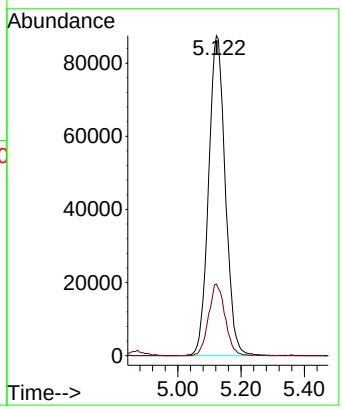




#19
Methyl tert-butyl Ether
Concen: 52.463 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 73 Resp: 32117

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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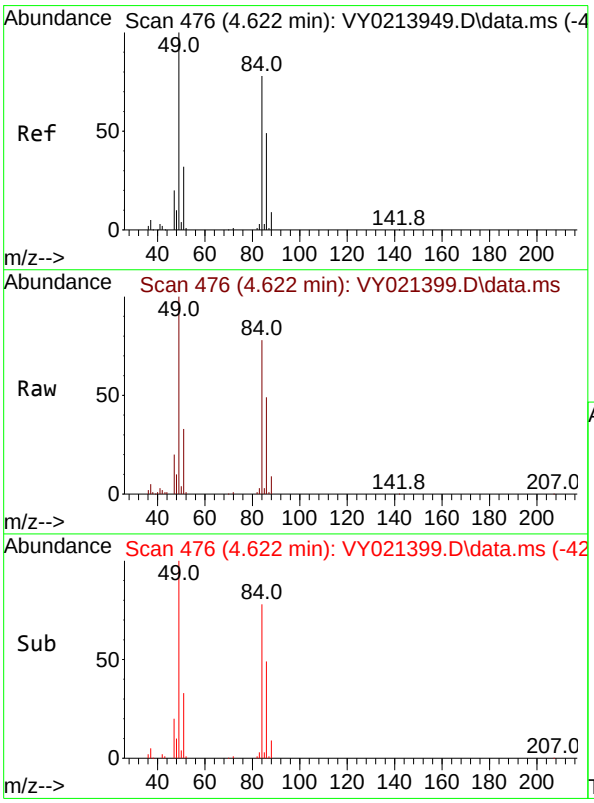
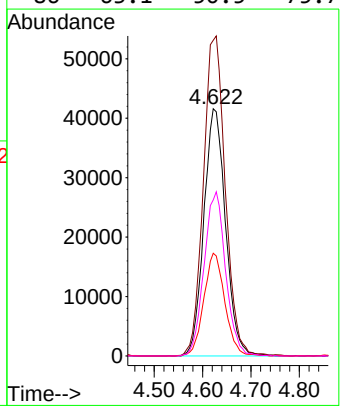
Supervised By :Semsettin Yesilyurt 03/06/2025

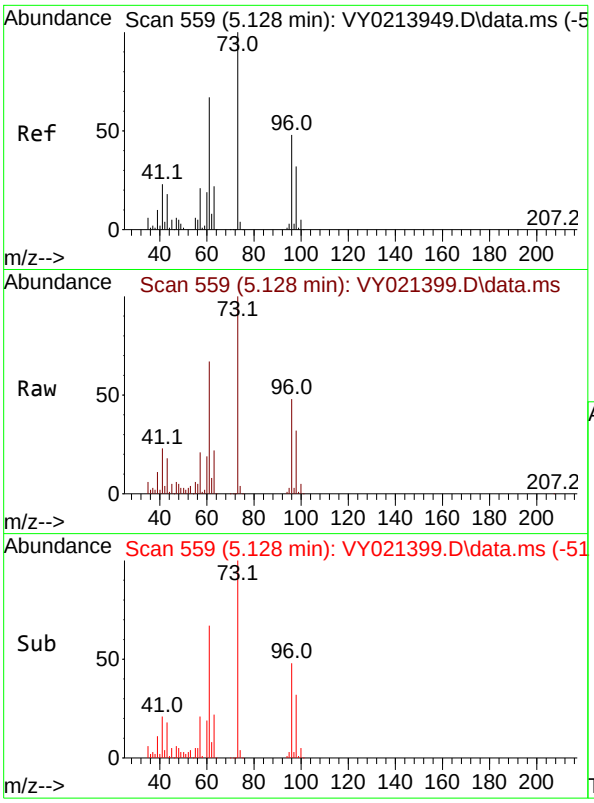


#20
Methylene Chloride
Concen: 45.588 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 84 Resp: 129715

Ion	Ratio	Lower	Upper
84	100		
49	127.5	102.0	153.0
51	41.3	33.0	49.6
86	63.1	50.5	75.7

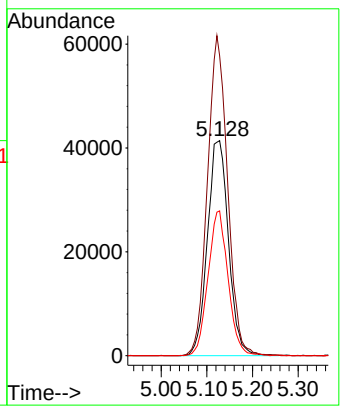




#21
trans-1,2-Dichloroethene
Concen: 49.068 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 96 Resp: 13273

Ion	Ratio	Lower	Upper
96	100		
61	139.4	111.5	167.3
98	67.3	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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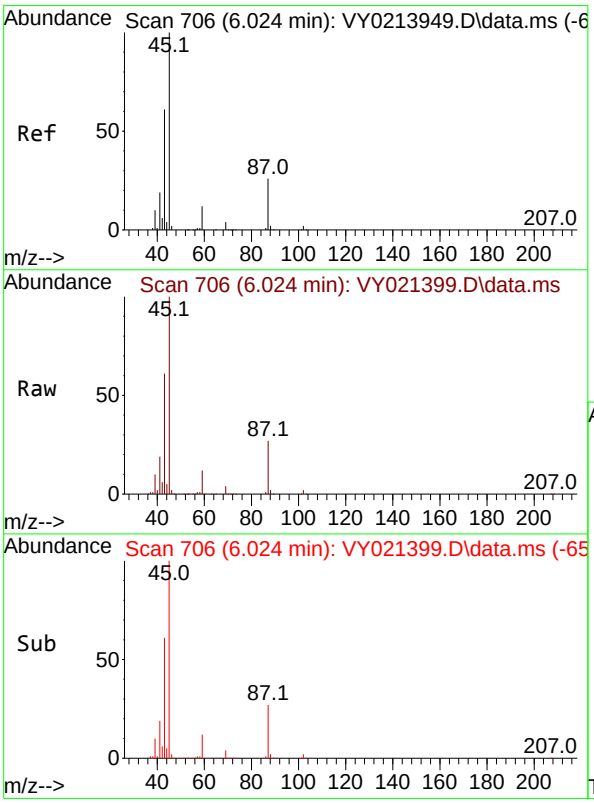
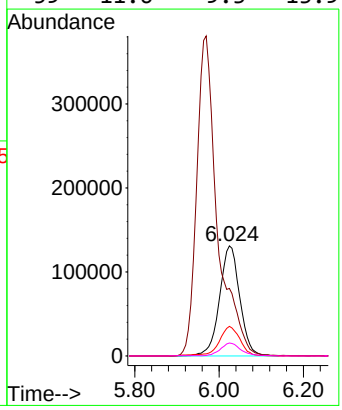
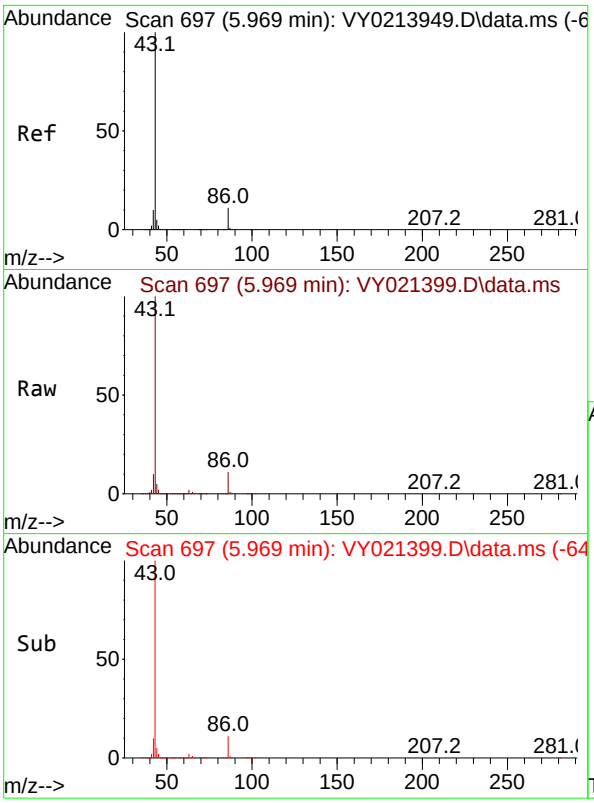


#22
Diisopropyl ether
Concen: 51.747 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 45 Resp: 435305

Ion	Ratio	Lower	Upper
45	100		
43	60.9	48.7	73.1
87	26.9	21.5	32.3
59	11.6	9.3	13.9

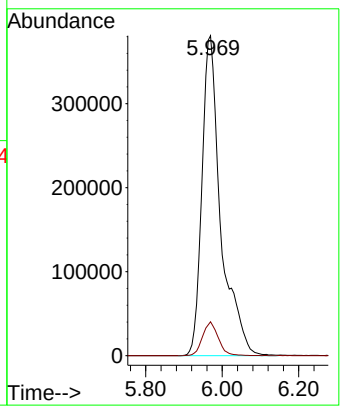




#23
Vinyl Acetate
Concen: 271.918 ug/l
RT: 5.969 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 130544

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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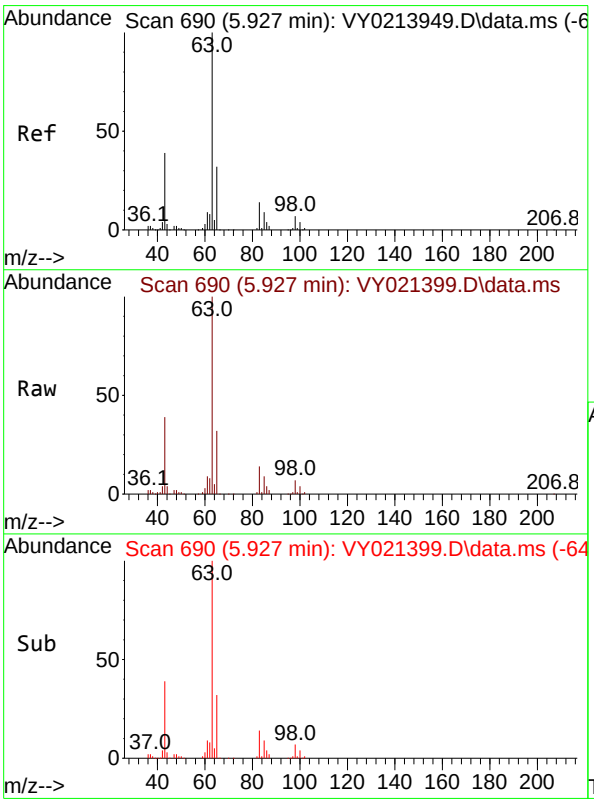
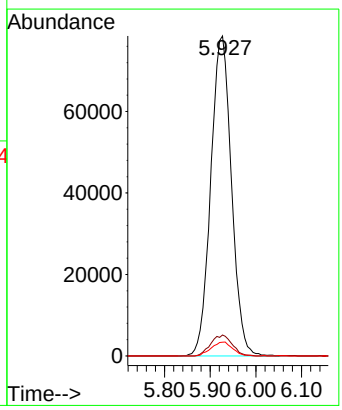
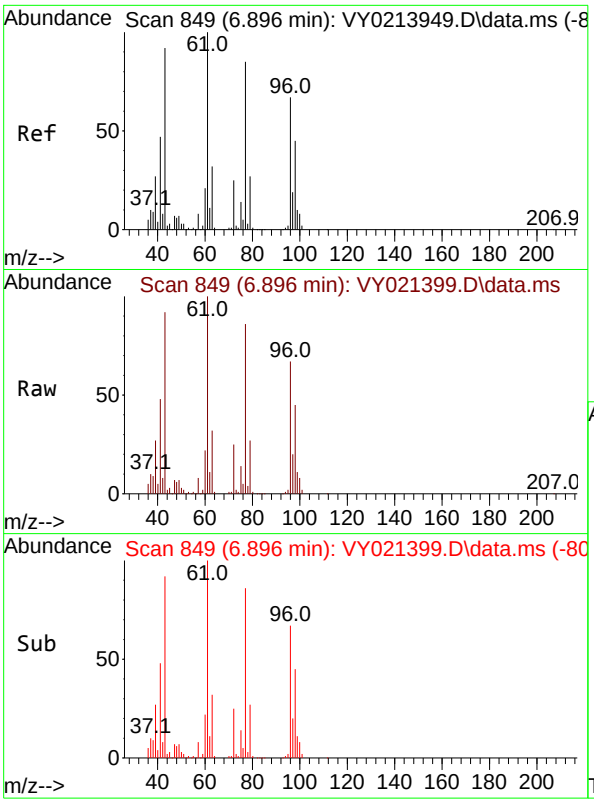


#24
1,1-Dichloroethane
Concen: 49.750 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 63 Resp: 247003

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.9
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 283.093 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 21227

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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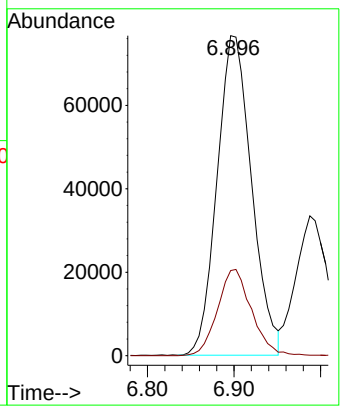
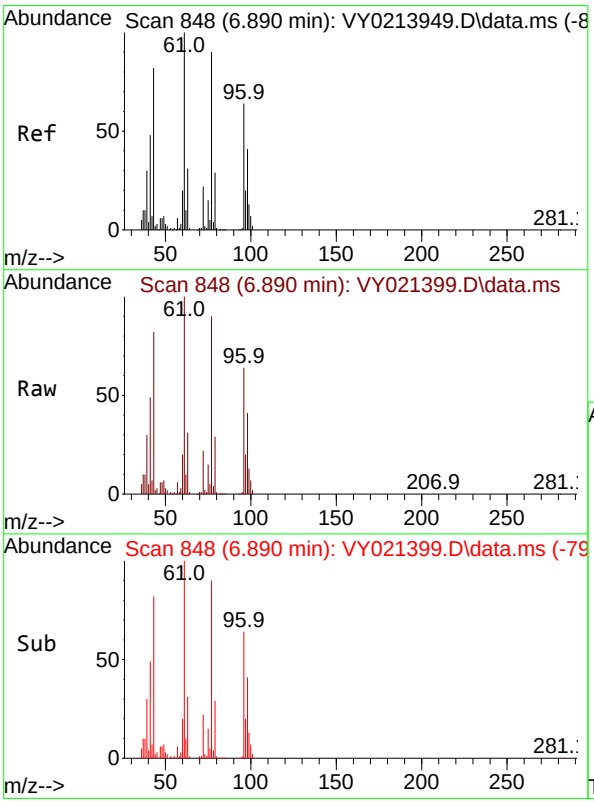
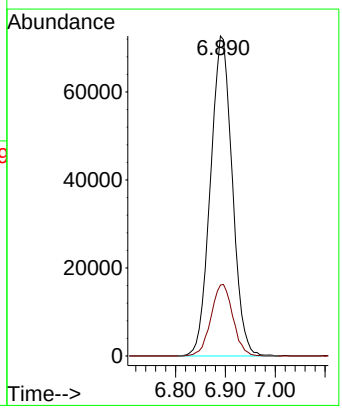


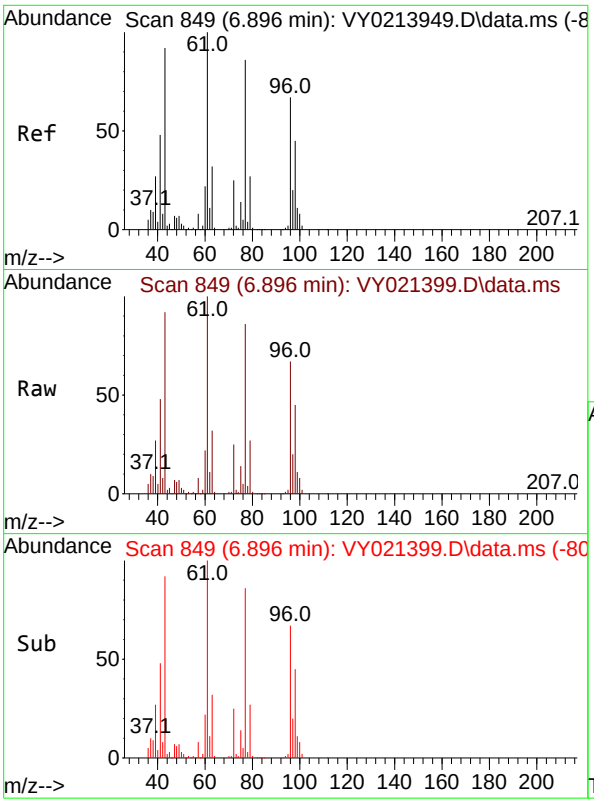


#26
2,2-Dichloropropane
Concen: 48.295 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 77 Resp: 220625

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.3	33.8

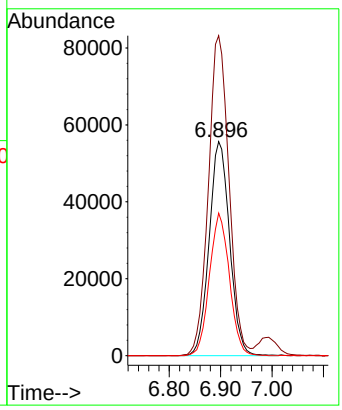




#27
cis-1,2-Dichloroethene
Concen: 50.078 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 96 Resp: 15389

Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	300.8
98	65.0	0.0	130.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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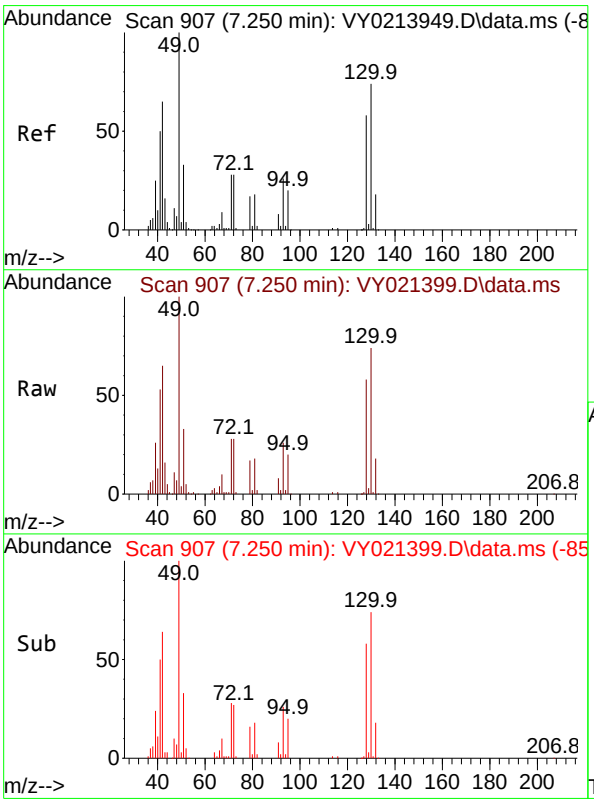
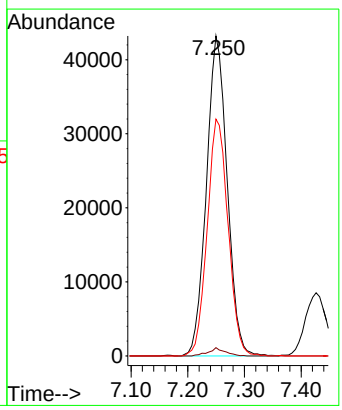
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

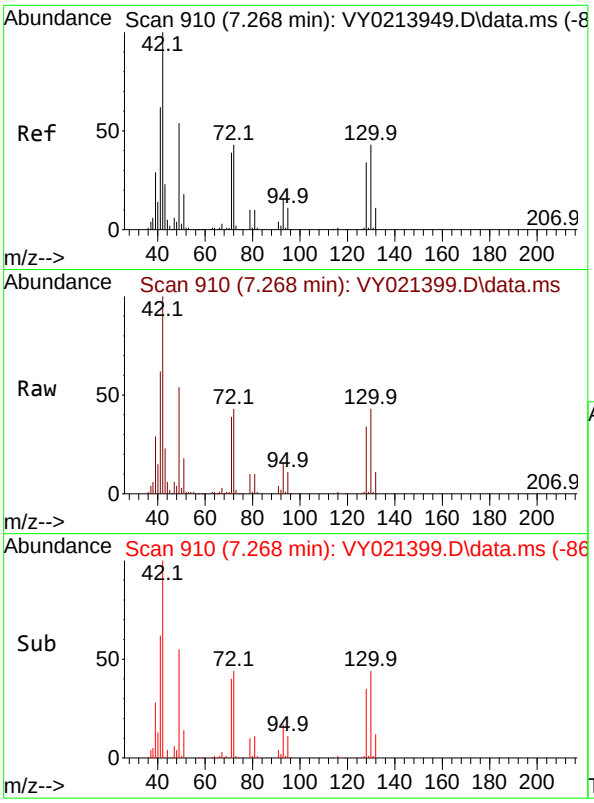


#28
Bromochloromethane
Concen: 52.805 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 49 Resp: 109912

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	74.5	59.6	89.4

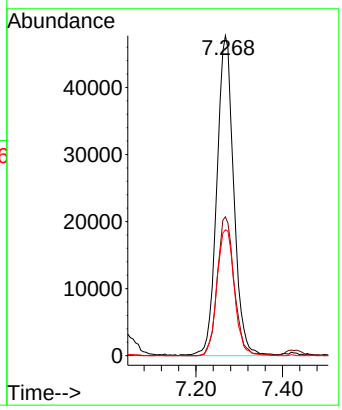




#29
Tetrahydrofuran
Concen: 280.779 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 42 Resp: 12997

Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.8	52.2
71	40.7	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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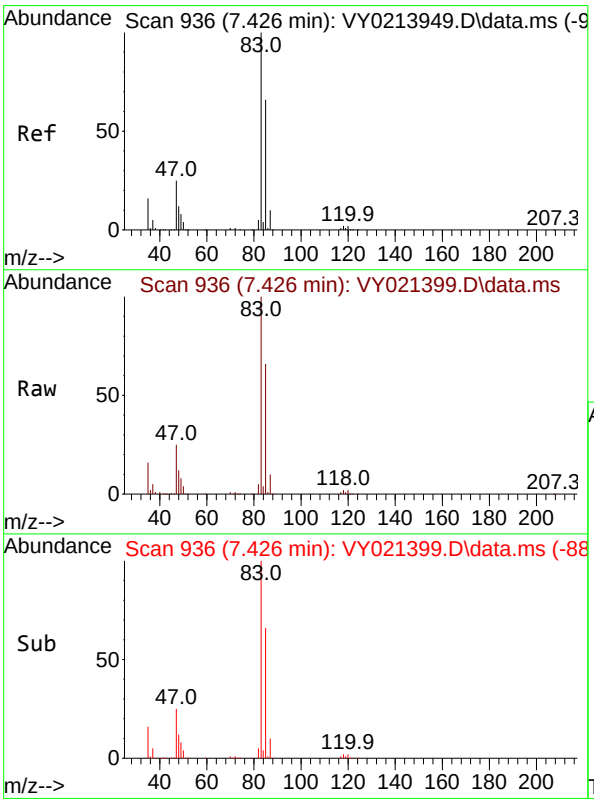
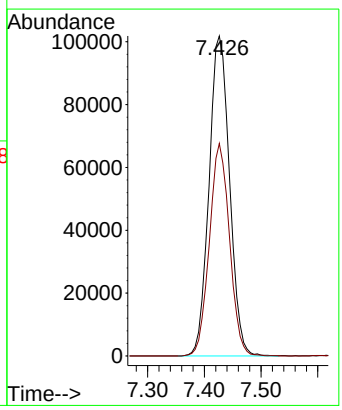
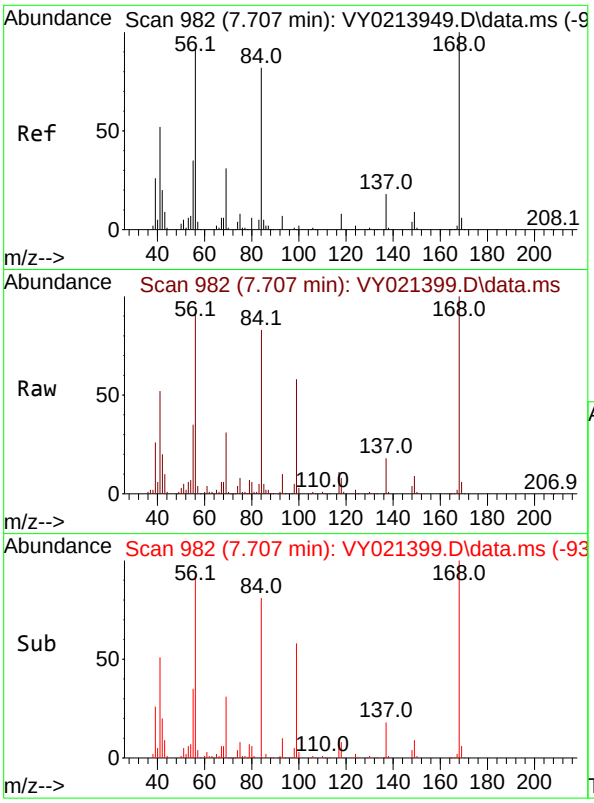


#30
Chloroform
Concen: 49.593 ug/l
RT: 7.426 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 83 Resp: 255675

Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.1	79.7

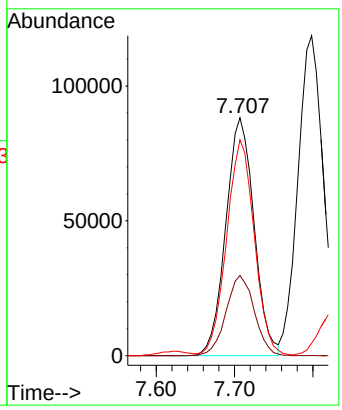




#31
Cyclohexane
Concen: 47.519 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 56 Resp: 22118

Ion	Ratio	Lower	Upper
56	100		
69	33.7	27.0	40.4
84	88.9	71.1	106.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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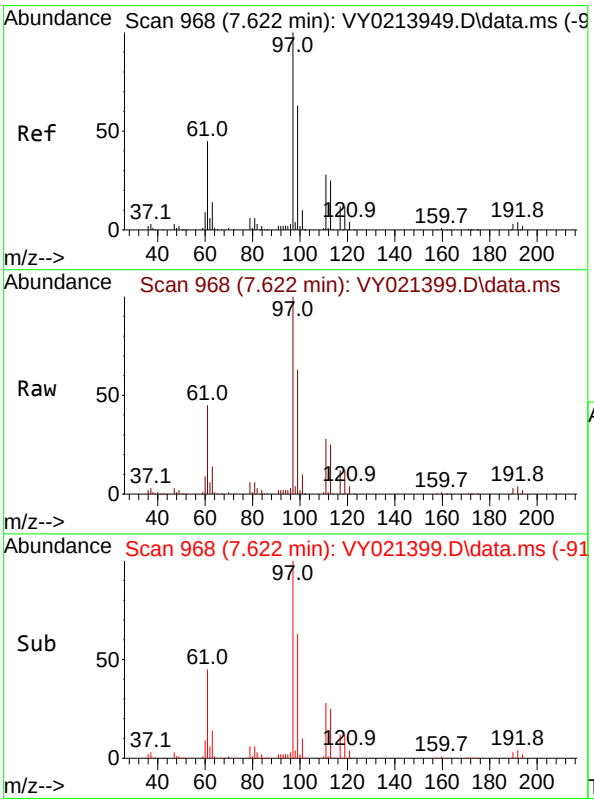
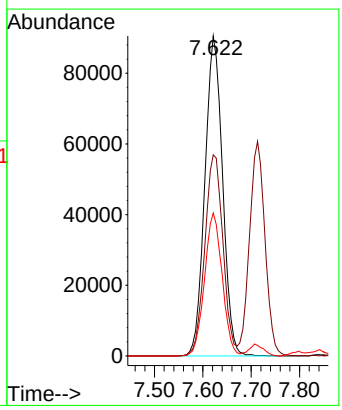
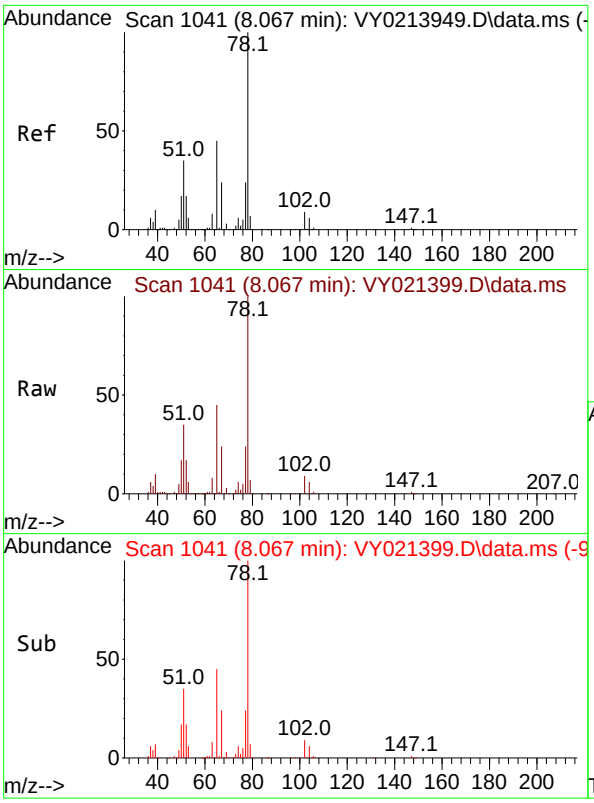


#32
1,1,1-Trichloroethane
Concen: 48.727 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 97 Resp: 230018

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	44.6	35.7	53.5





#33
1,2-Dichloroethane-d4
Concen: 45.625 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 65 Resp: 11339

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.8

Instrument :
MSVOA_Y
ClientSampleId :
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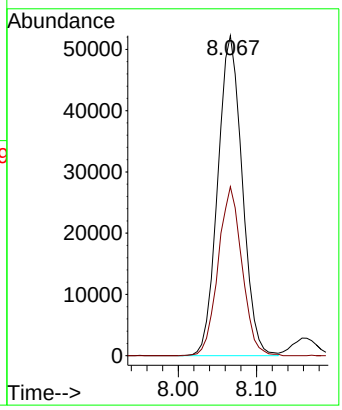
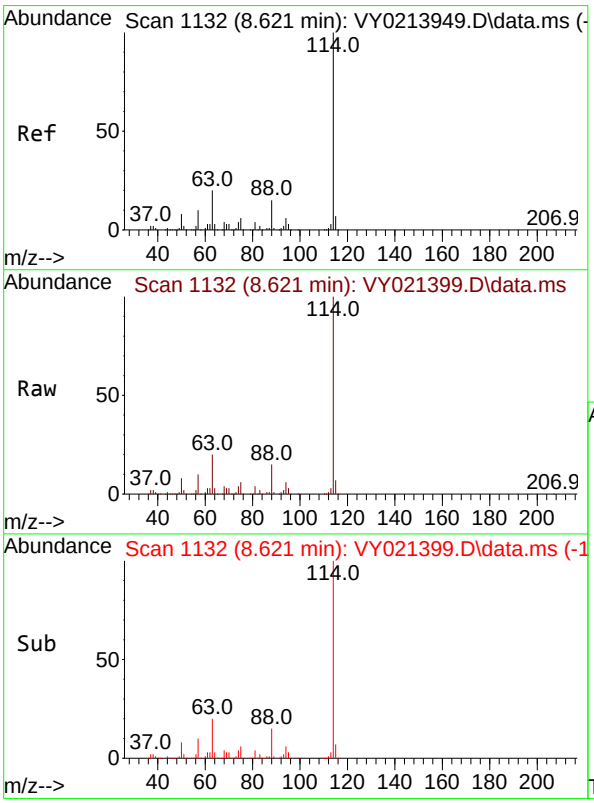
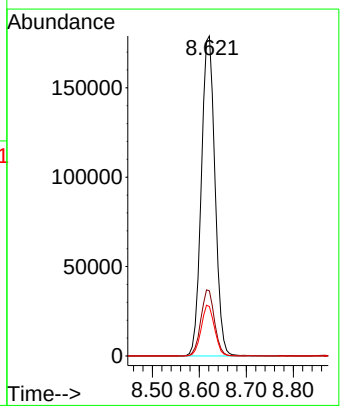


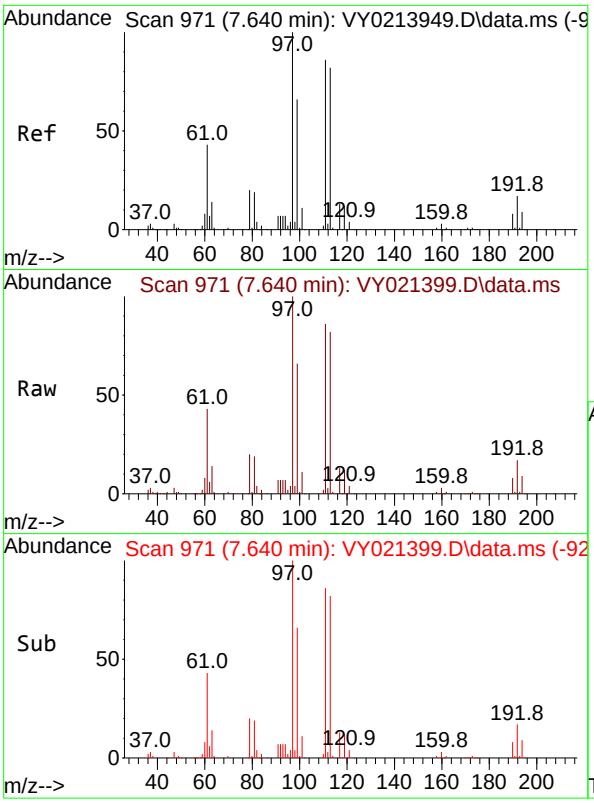


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:114 Resp: 360221

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.4	0.0	30.8





#35
Dibromofluoromethane
Concen: 44.973 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:113 Resp: 10648

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	19.9	15.9	23.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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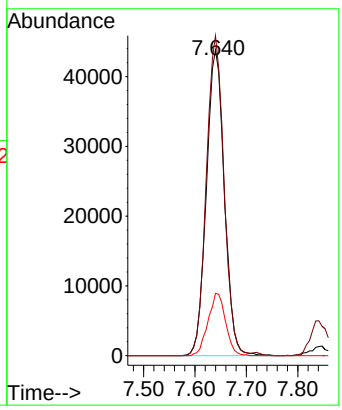
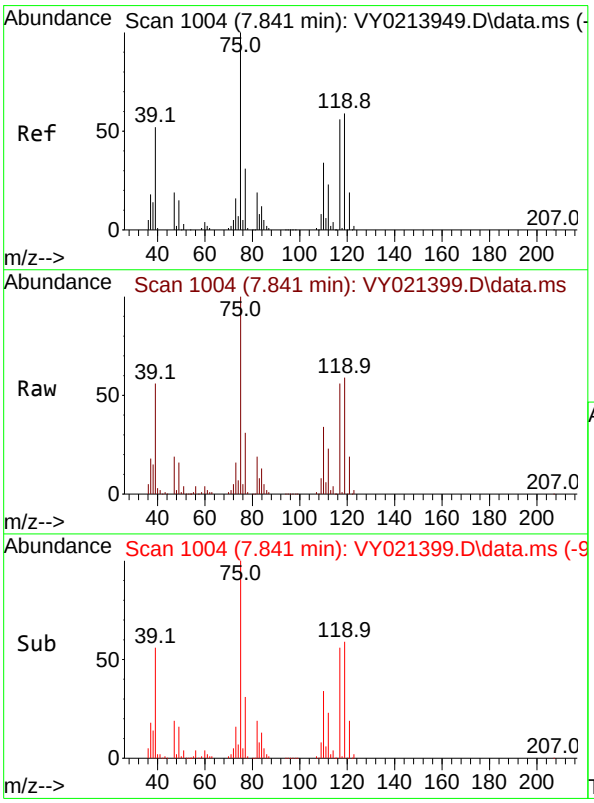
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

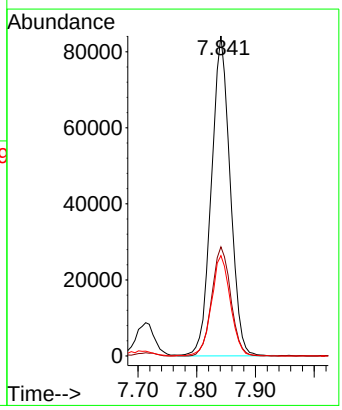


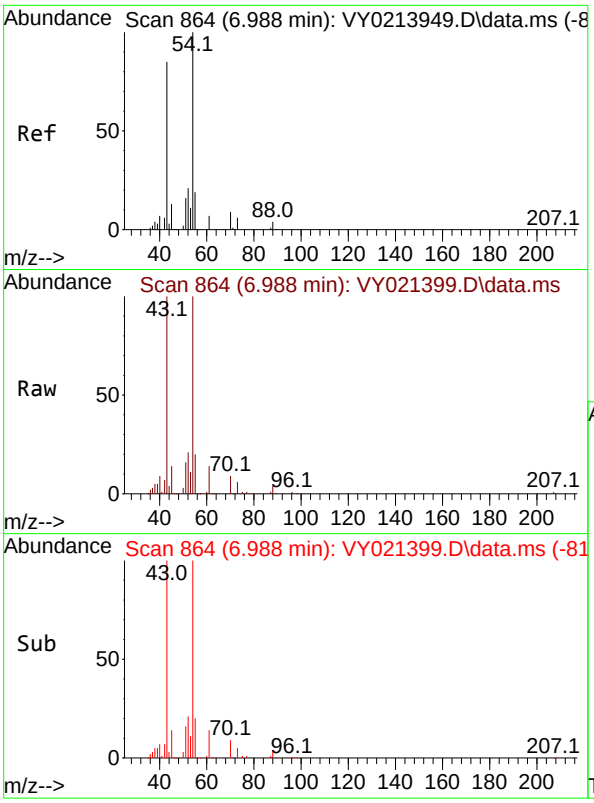


#36
1,1-Dichloropropene
Concen: 50.340 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 75 Resp: 186577

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	51.7
77	31.8	25.4	38.2





#37
Ethyl Acetate
Concen: 53.423 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 8931

Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	10.2	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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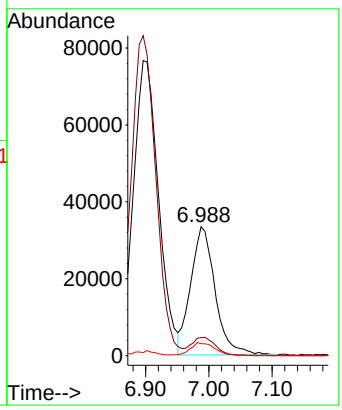
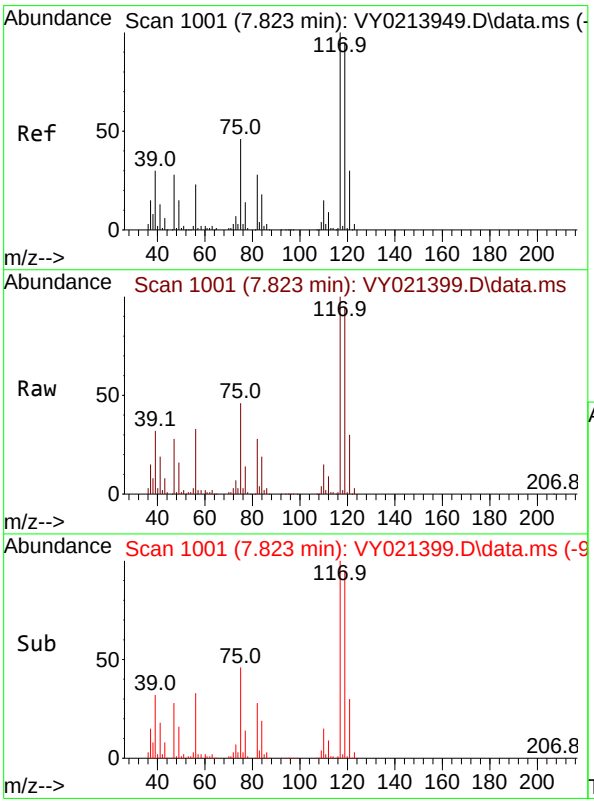
Supervised By :Semsettin Yesilyurt 03/06/2025

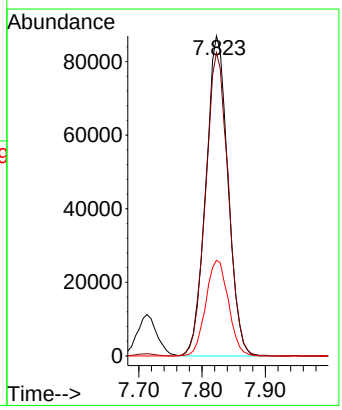


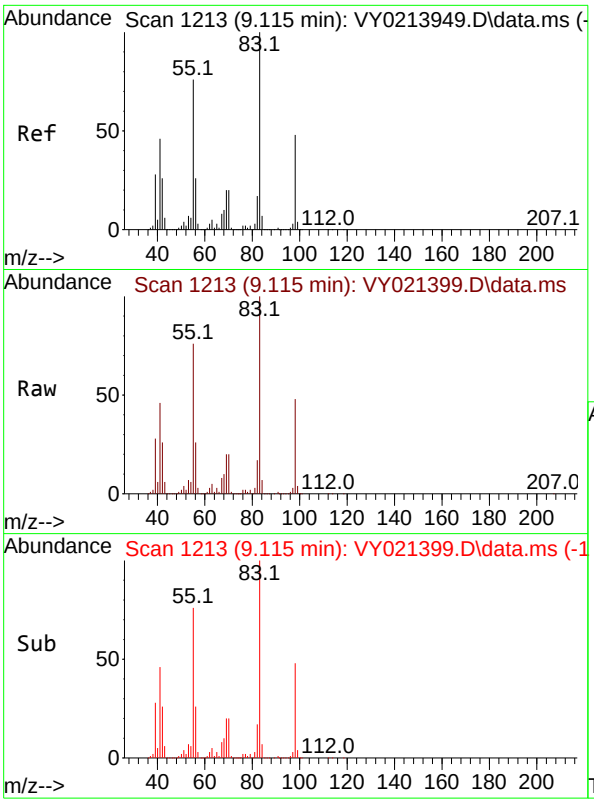


#38
Carbon Tetrachloride
Concen: 49.573 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:117 Resp: 211310

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
121	29.9	23.9	35.9





#39
Methylcyclohexane
Concen: 51.585 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 83 Resp: 23452

Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.7	91.1
98	48.2	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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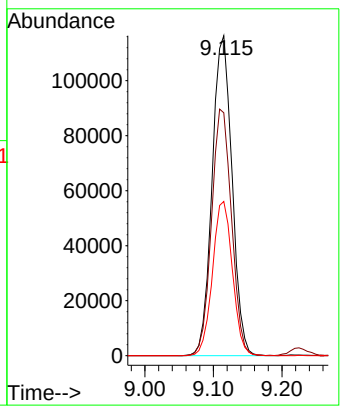
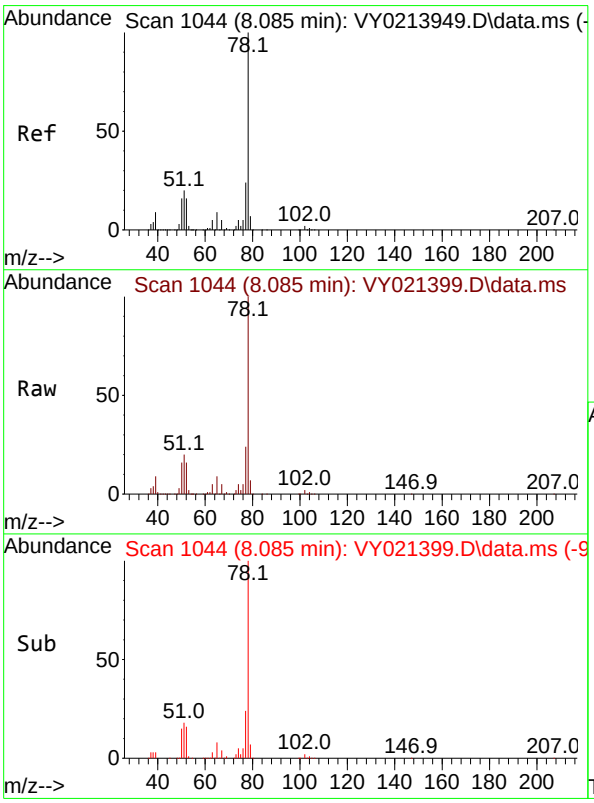
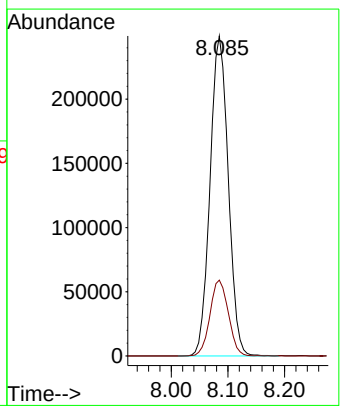


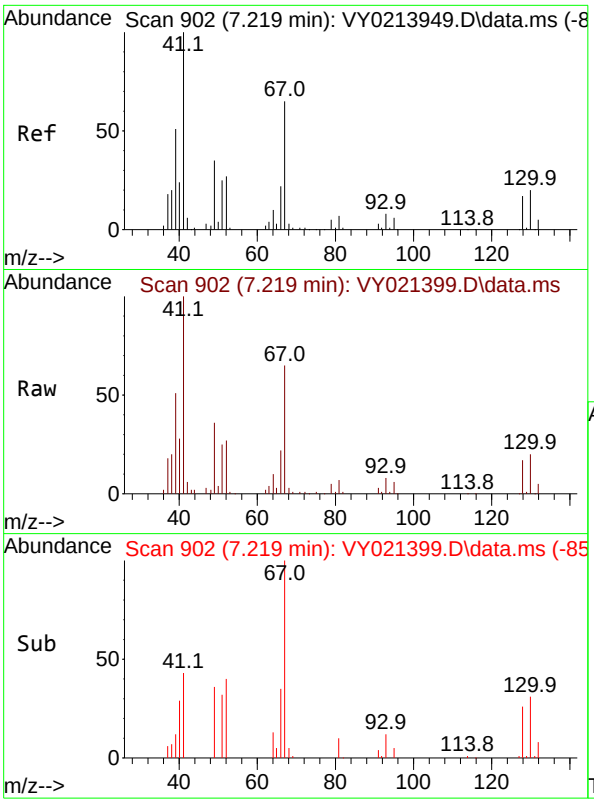


#40
Benzene
Concen: 50.867 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 78 Resp: 555364

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4

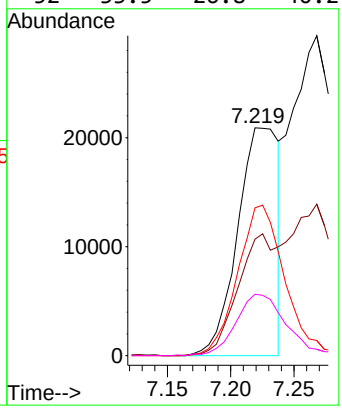




#41
Methacrylonitrile
Concen: 51.774 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 41 Resp: 4714

Ion	Ratio	Lower	Upper
41	100		
39	43.8	35.0	52.6
67	76.5	61.2	91.8
52	33.5	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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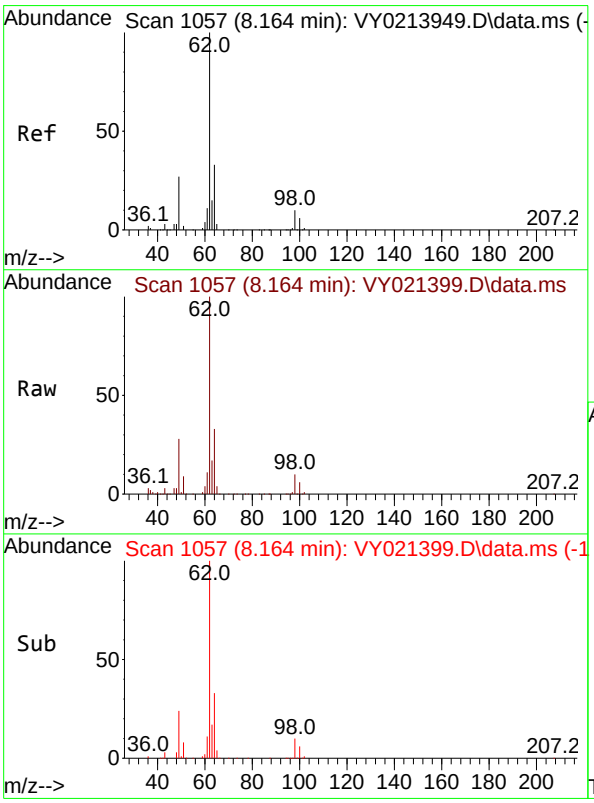
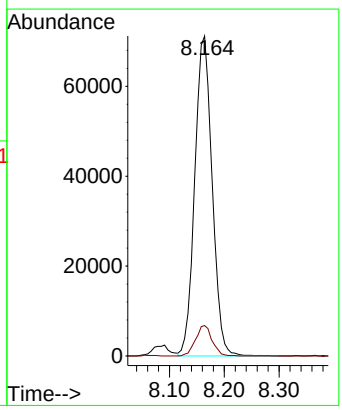
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

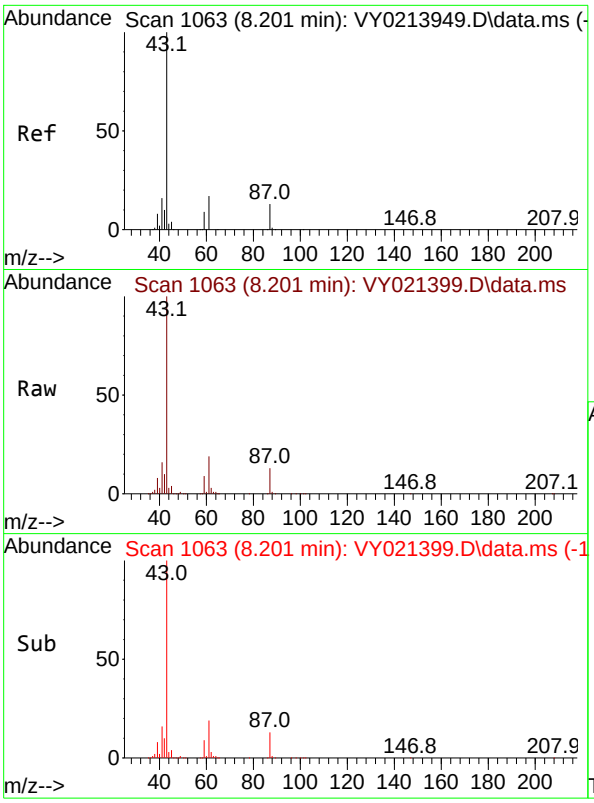


#42
1,2-Dichloroethane
Concen: 51.469 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 62 Resp: 157205

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

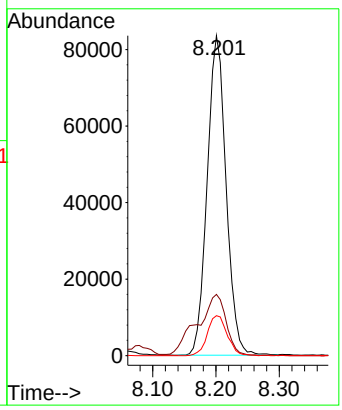




#43
Isopropyl Acetate
Concen: 54.689 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 17391

Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.4	35.0
87	13.1	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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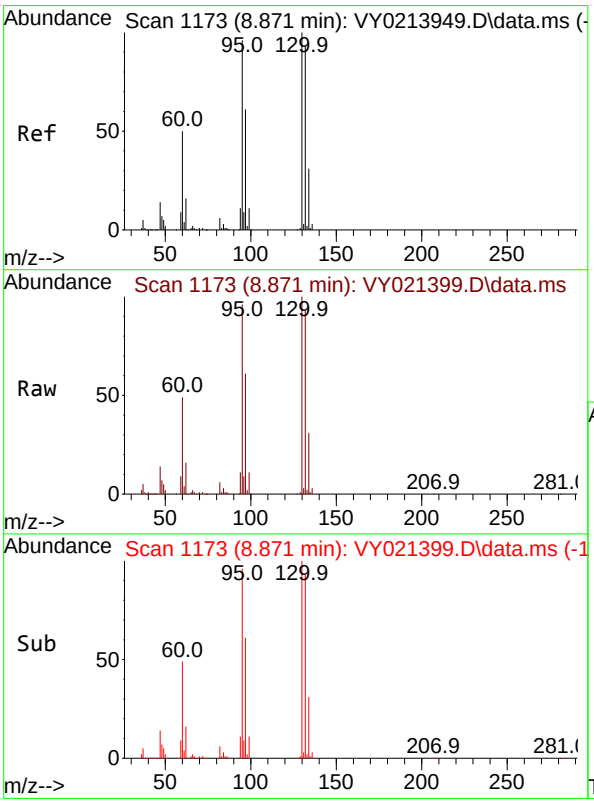
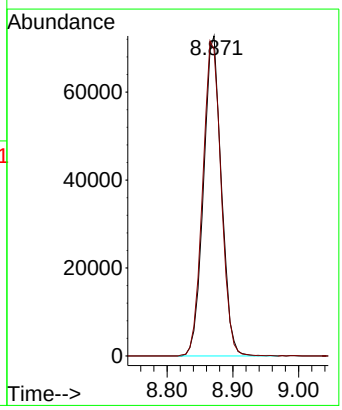
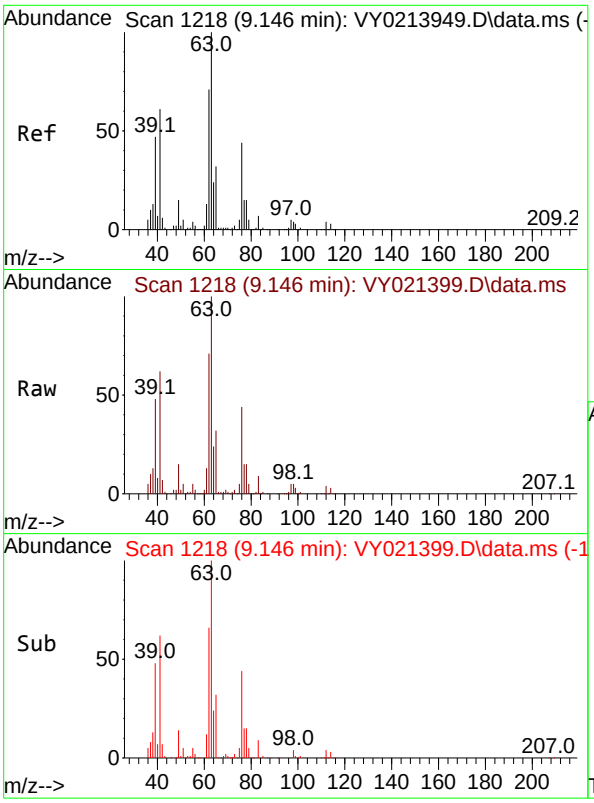


#44
Trichloroethene
Concen: 49.793 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:130 Resp: 137378

Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	191.6





#45
1,2-Dichloropropane
Concen: 50.949 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 63 Resp: 13239

Ion	Ratio	Lower	Upper
63	100		
65	32.5	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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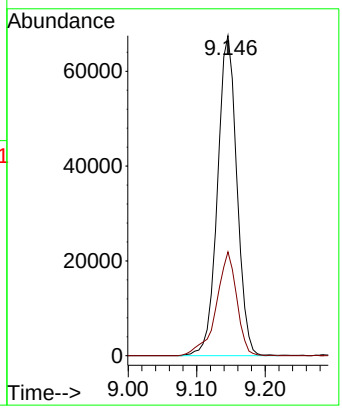
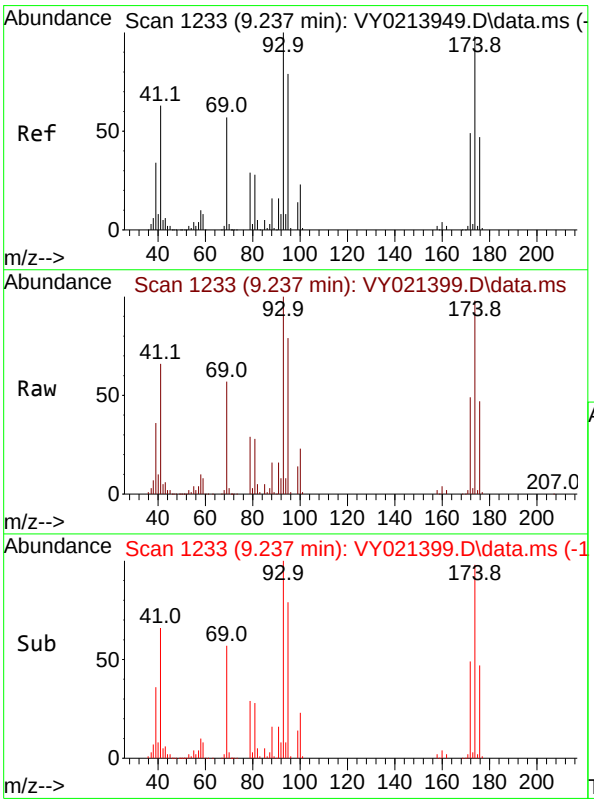
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

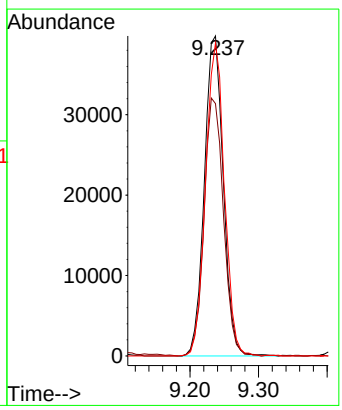


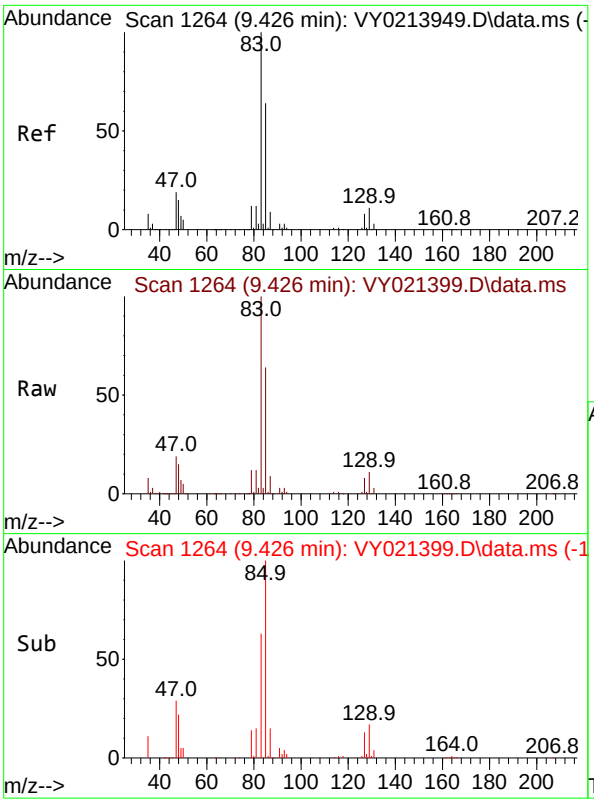


#46
Dibromomethane
Concen: 52.923 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 93 Resp: 76517

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	97.4	77.9	116.9

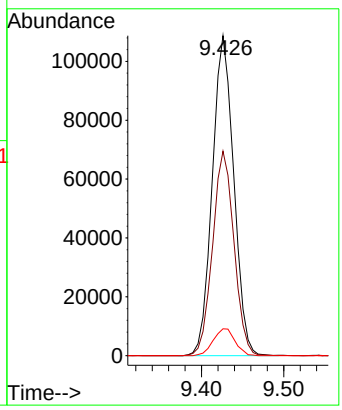




#47
Bromodichloromethane
Concen: 51.370 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 83 Resp: 19724

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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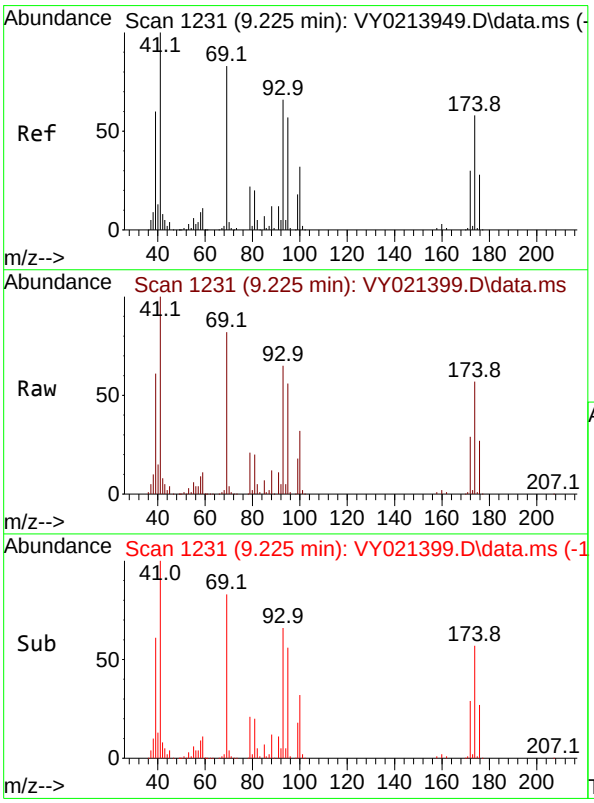
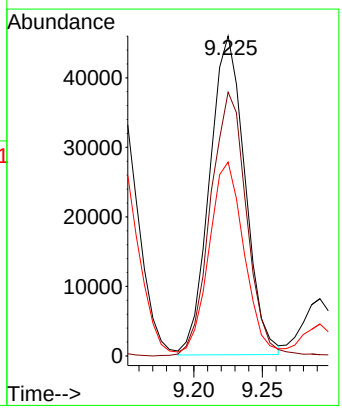
Supervised By :Semsettin Yesilyurt 03/06/2025

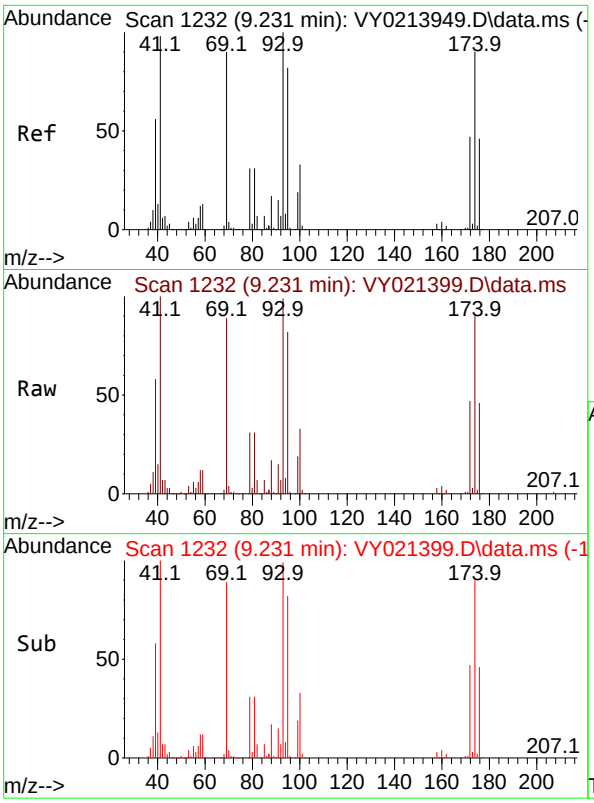


#48
Methyl methacrylate
Concen: 55.853 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 41 Resp: 82355

Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.8	101.8
39	58.0	46.4	69.6

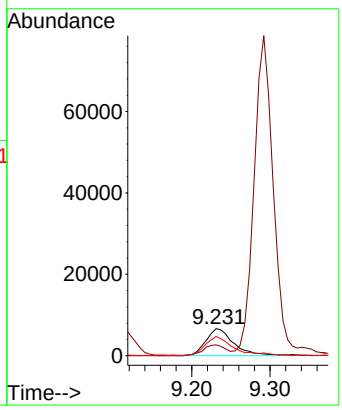




#49
1,4-Dioxane
Concen: 1144.224 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 88 Resp: 1623

Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.0	37.4
58	73.0	58.4	87.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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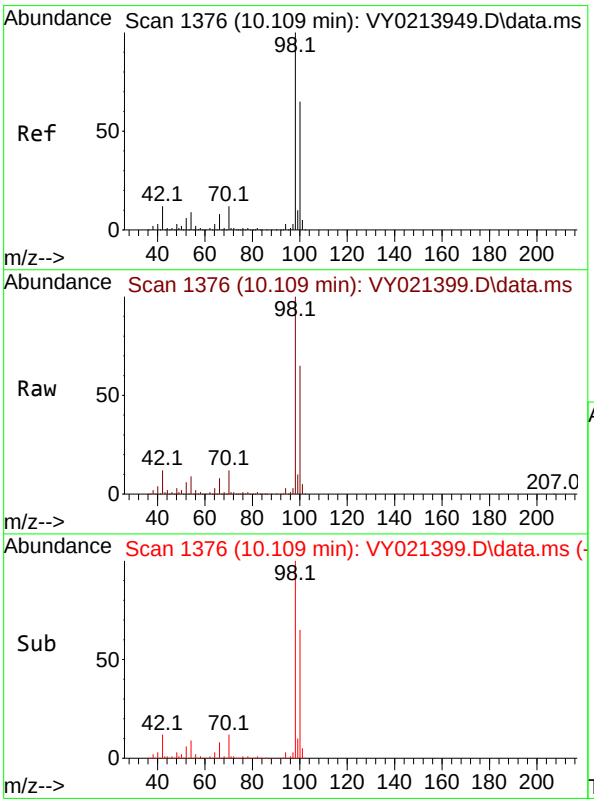
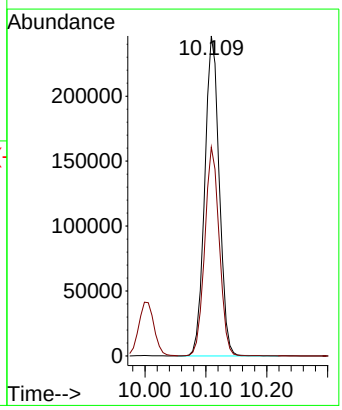
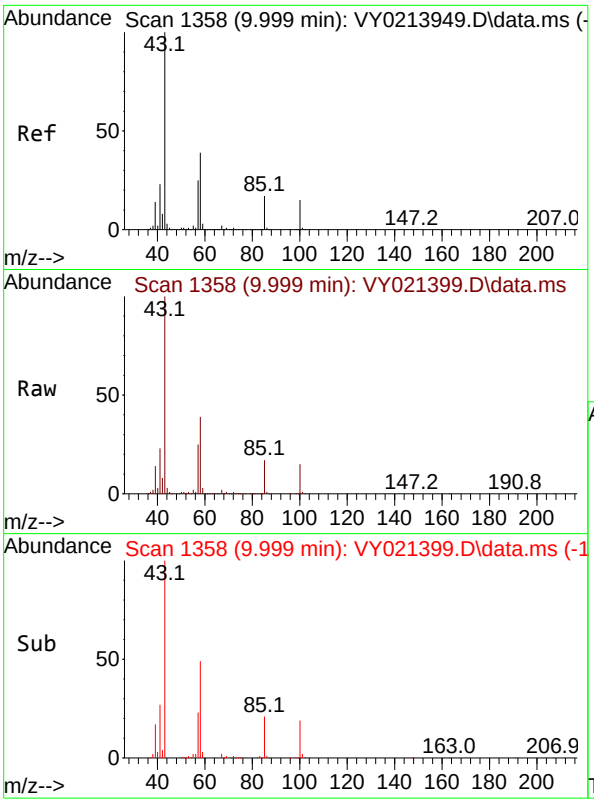


#50
Toluene-d8
Concen: 45.594 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 98 Resp: 408759

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 288.203 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 47288

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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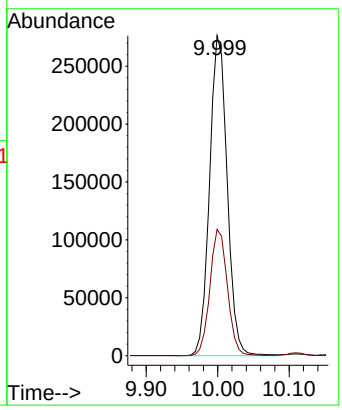
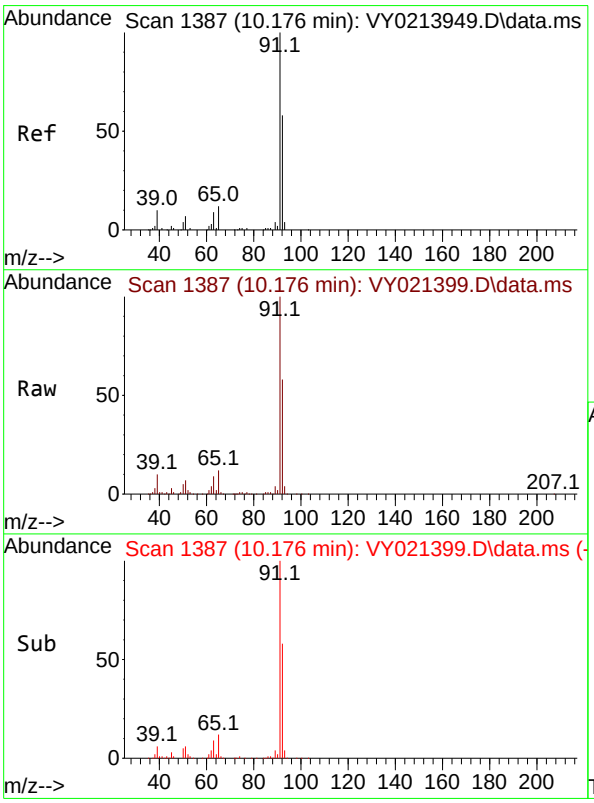
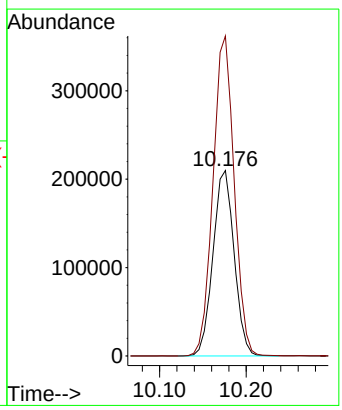


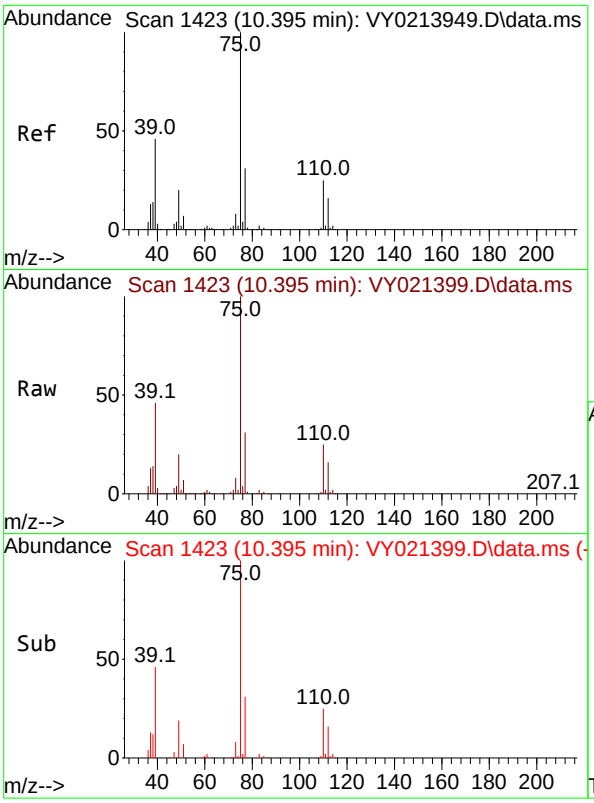


#52
Toluene
Concen: 51.723 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 92 Resp: 356029

Ion	Ratio	Lower	Upper
92	100		
91	172.7	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 53.154 ug/l
RT: 10.395 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 75 Resp: 17981

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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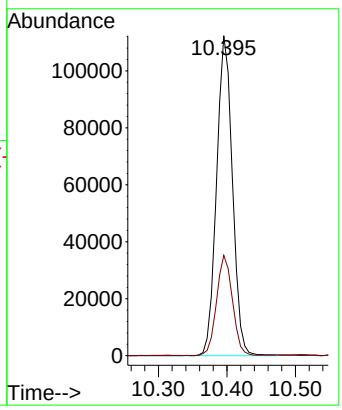
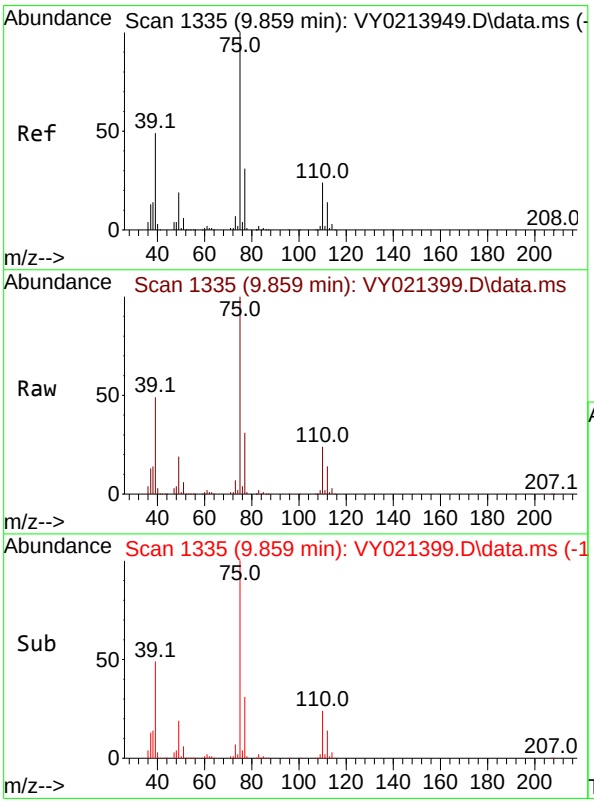
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

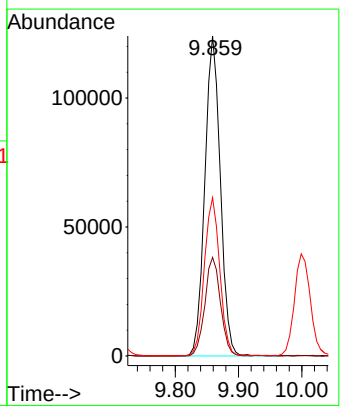


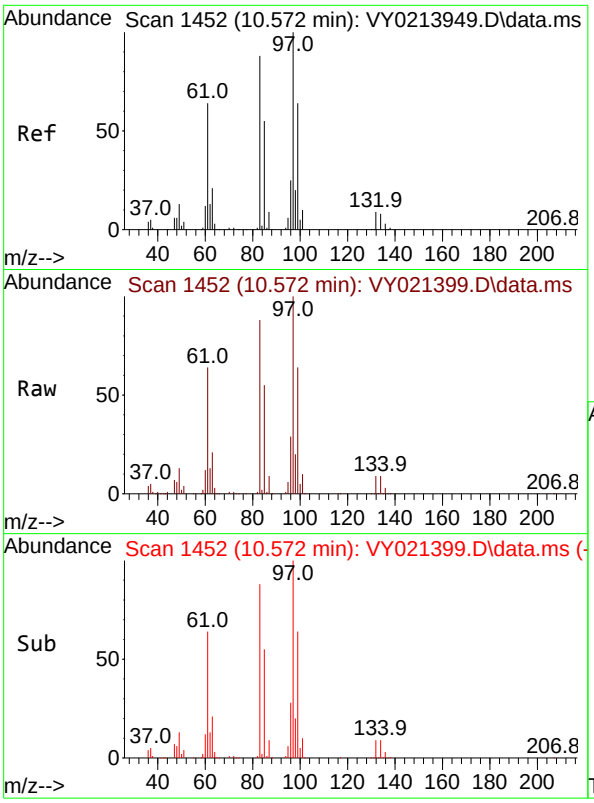


#54
cis-1,3-Dichloropropene
Concen: 52.691 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 75 Resp: 211622

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	37.0
39	49.3	39.4	59.2

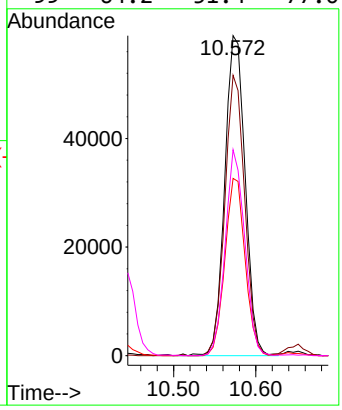




#55
1,1,2-Trichloroethane
Concen: 53.886 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 97 Resp: 10191

Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.0	105.0
85	55.4	44.3	66.5
99	64.2	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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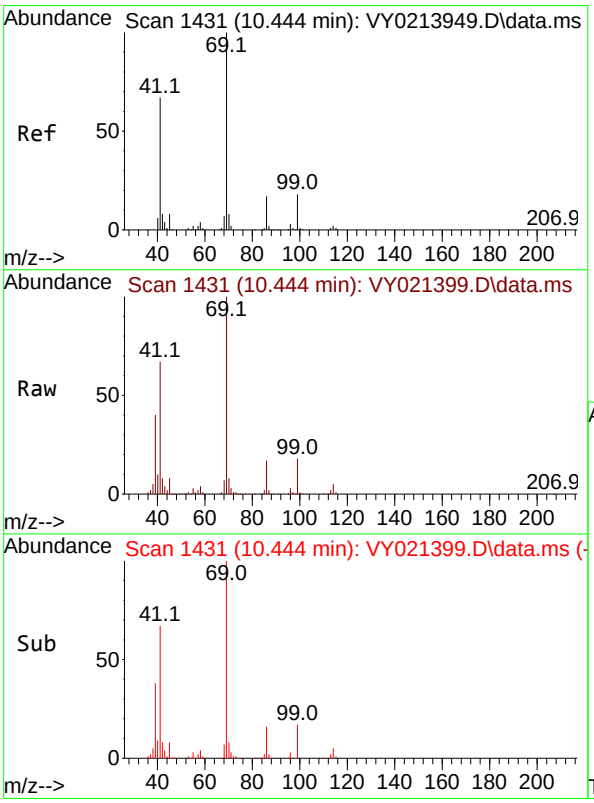
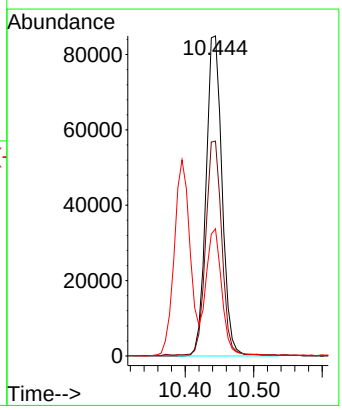
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

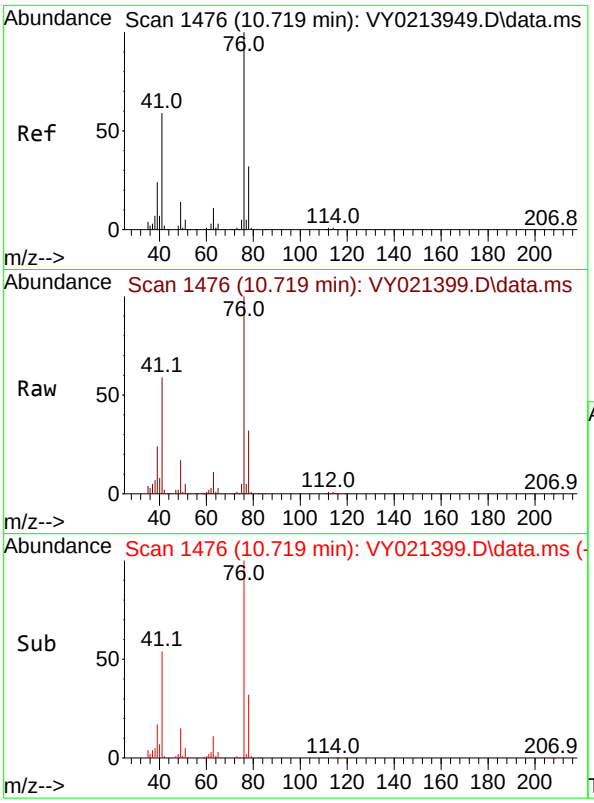


#56
Ethyl methacrylate
Concen: 57.187 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 69 Resp: 137939

Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.3	79.9
39	38.8	31.0	46.6





#57
1,3-Dichloropropane
Concen: 52.551 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 76 Resp: 17225

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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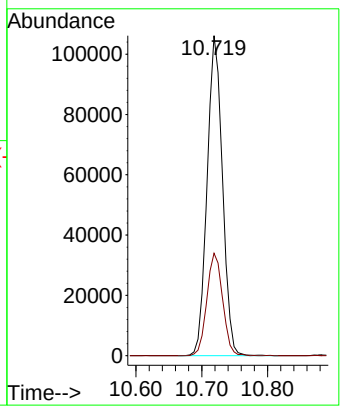
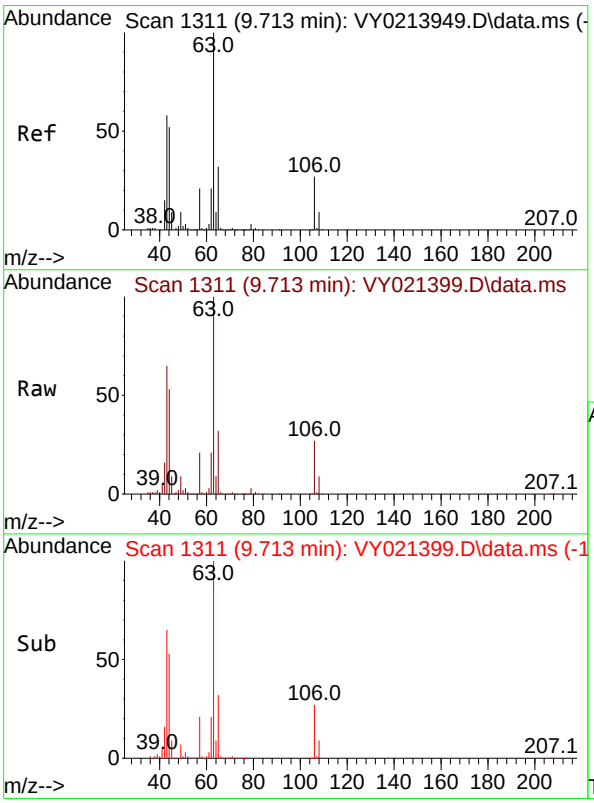
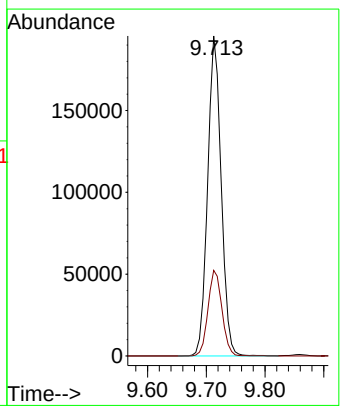


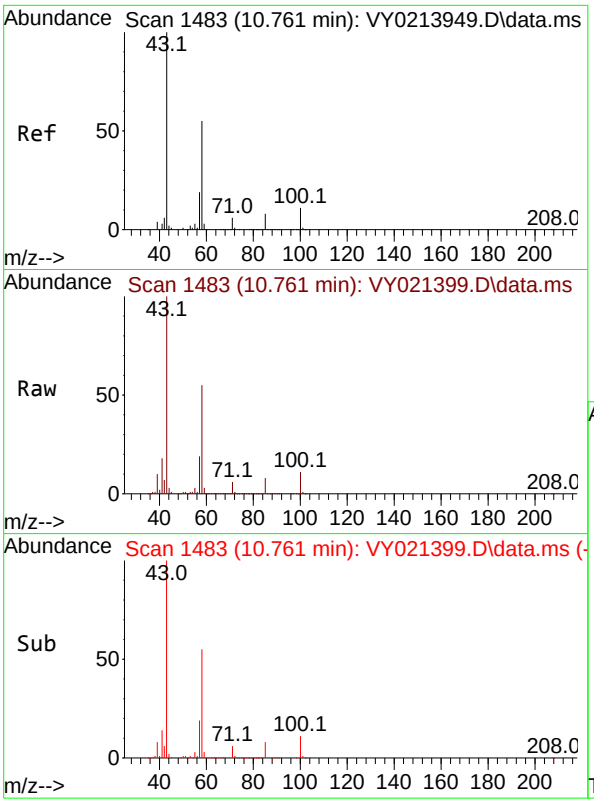


#58
2-Chloroethyl Vinyl ether
Concen: 281.418 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 63 Resp: 313349

Ion	Ratio	Lower	Upper
63	100		
106	27.6	22.1	33.1





#59
2-Hexanone
Concen: 301.583 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 32720

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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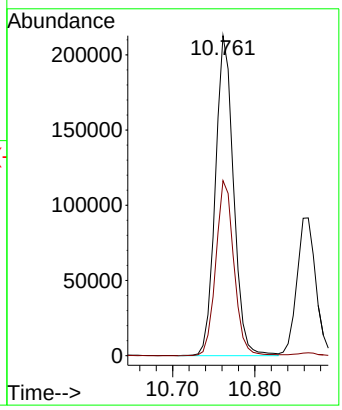
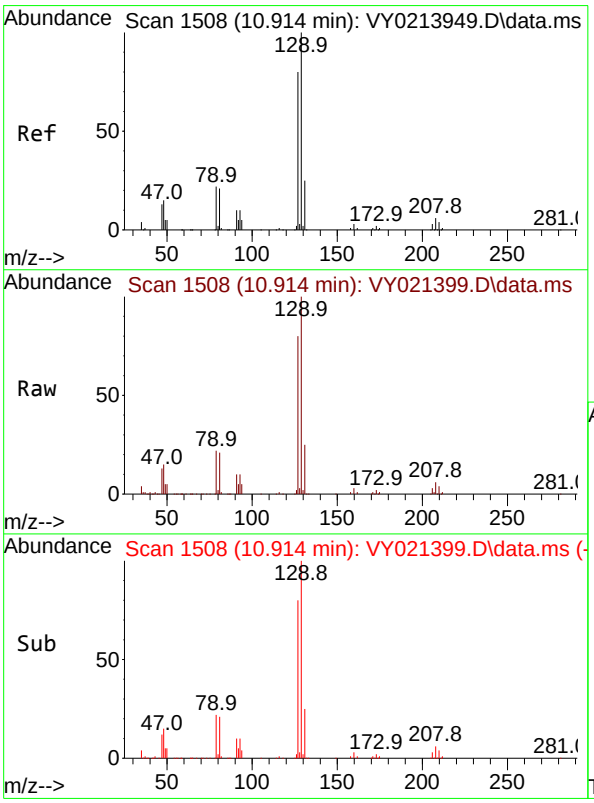
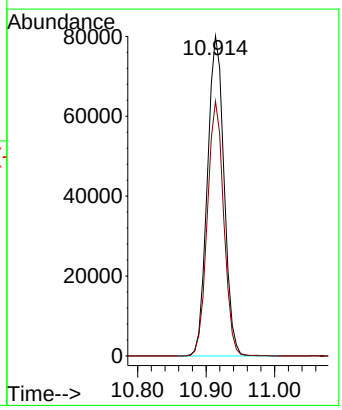


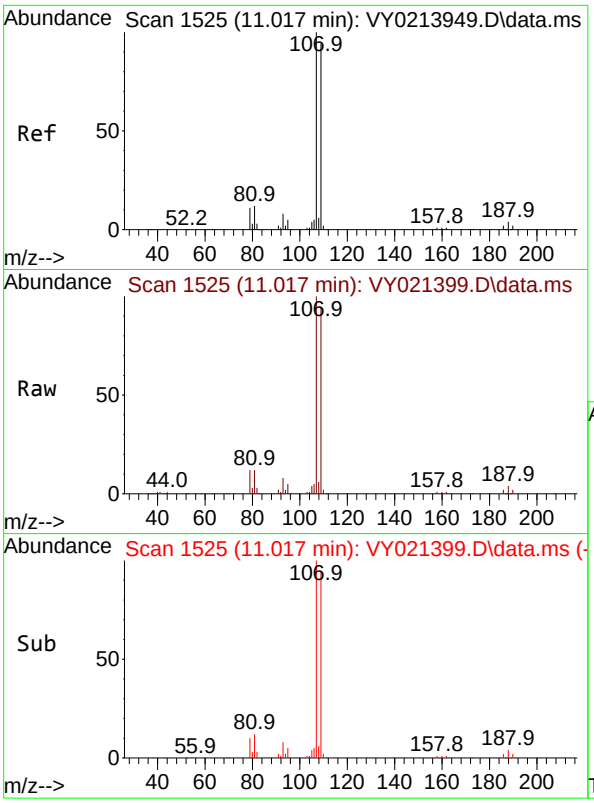


#60
Dibromochloromethane
Concen: 52.296 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:129 Resp: 135595

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3





#61
1,2-Dibromoethane
Concen: 52.819 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:107 Resp: 9428

Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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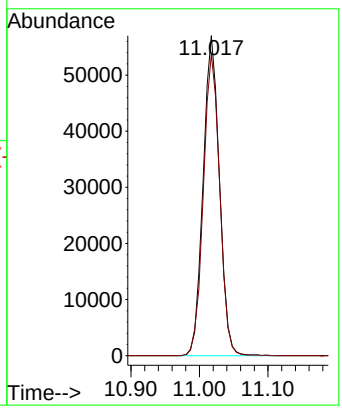
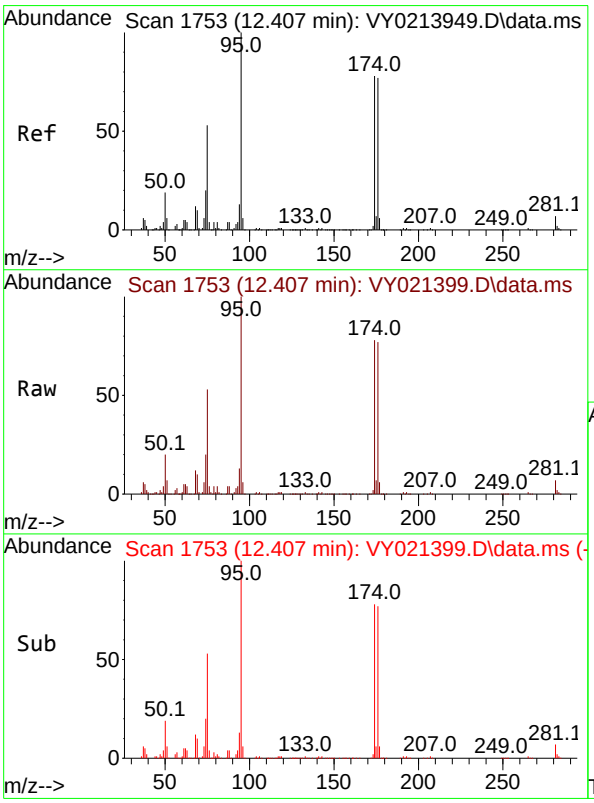
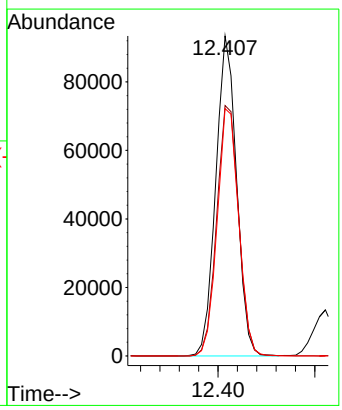


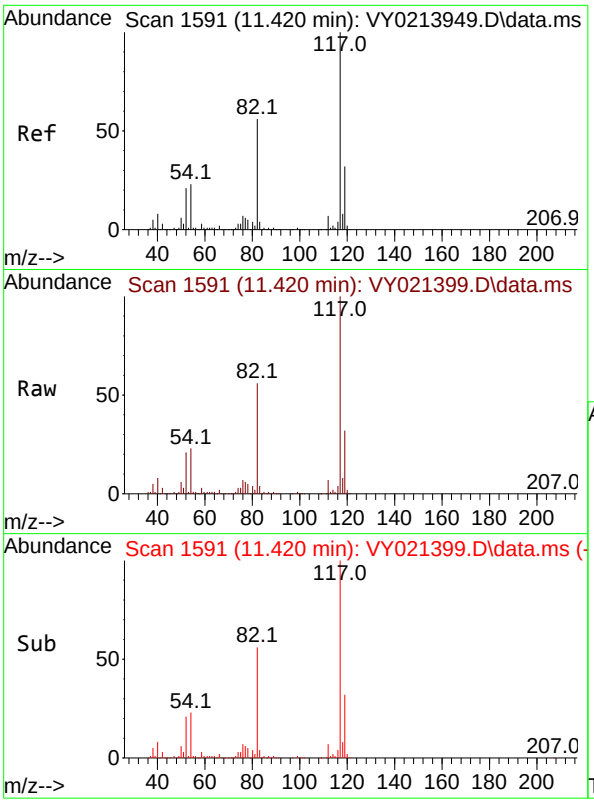


#62
4-Bromofluorobenzene
Concen: 45.618 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 95 Resp: 139117

Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	165.0
176	80.0	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:117 Resp: 32126

Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.6	67.0
119	31.7	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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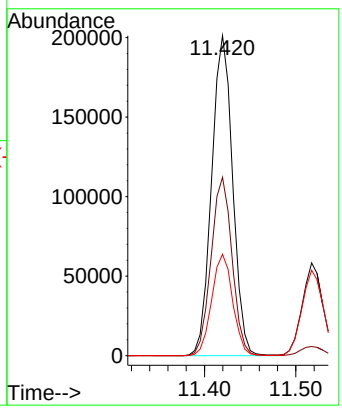
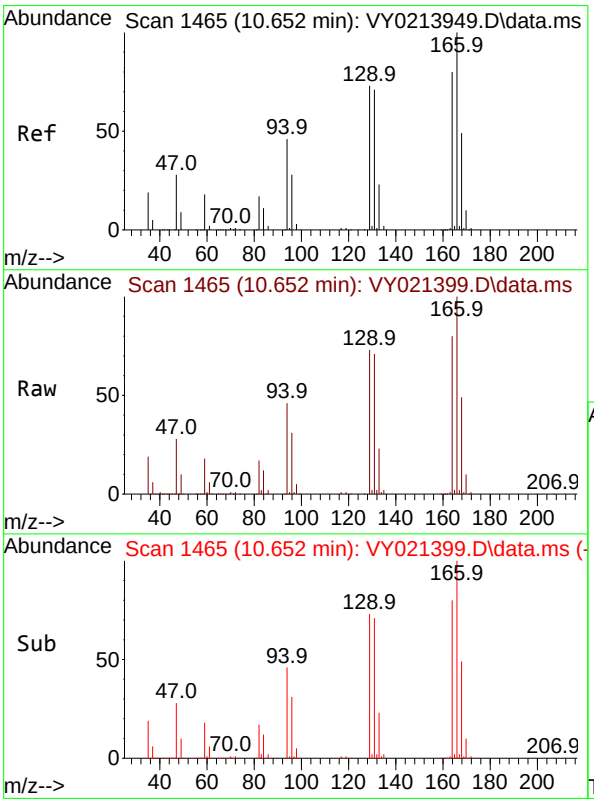
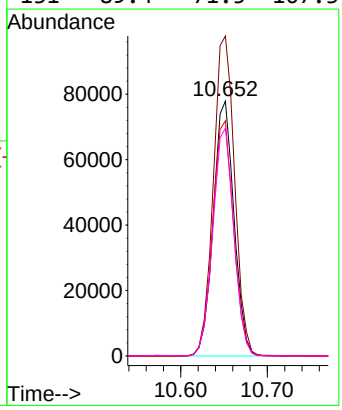


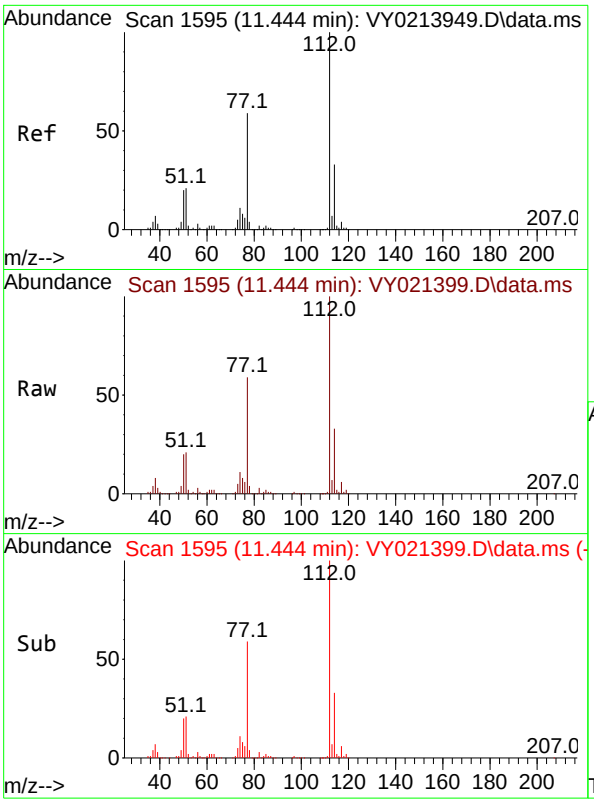


#64
Tetrachloroethene
Concen: 49.596 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:164 Resp: 129562

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	92.3	73.8	110.8
131	89.4	71.5	107.3

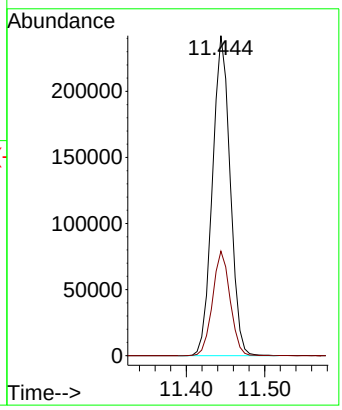




#65
Chlorobenzene
Concen: 50.233 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:112 Resp: 38108

Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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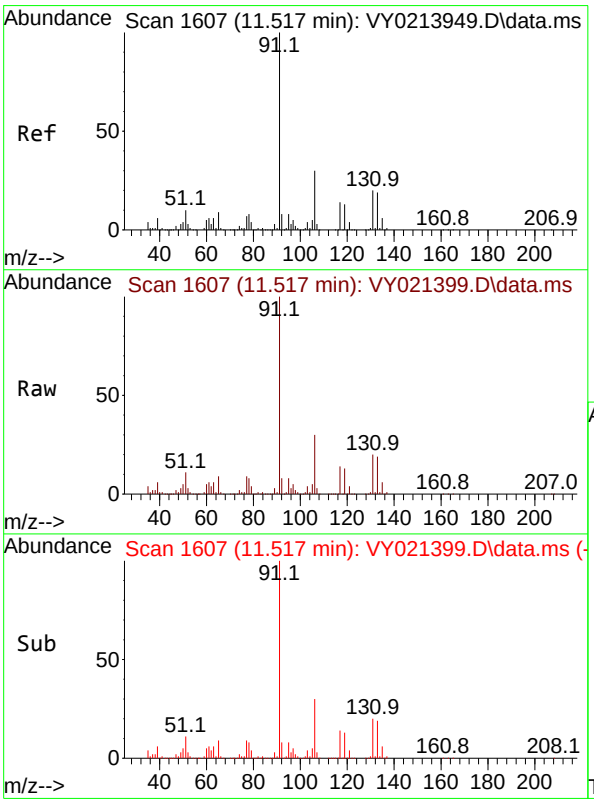
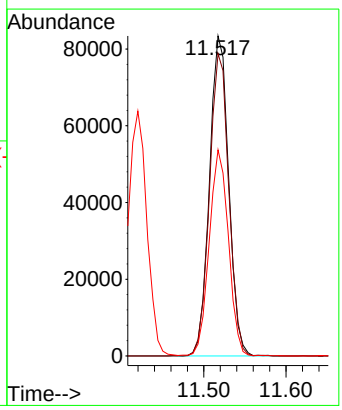
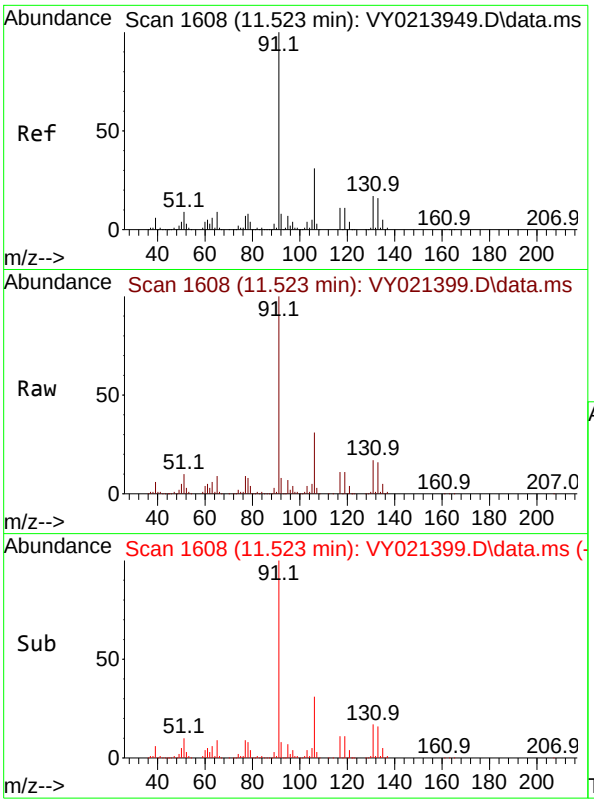


#66
1,1,1,2-Tetrachloroethane
Concen: 50.434 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:131 Resp: 135273

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.6	142.9
119	64.6	32.3	96.9





#67
Ethyl Benzene
Concen: 51.502 ug/l
RT: 11.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 91 Resp: 68578

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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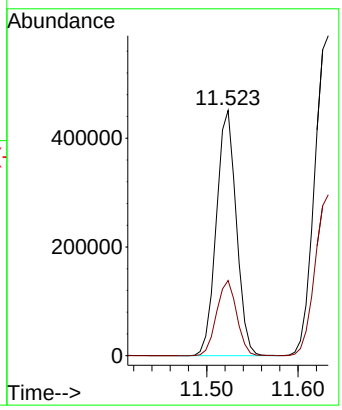
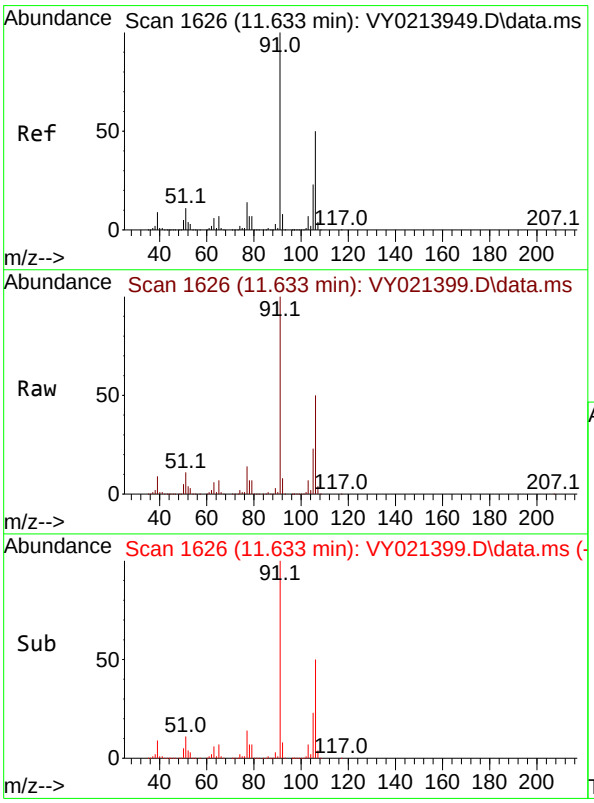
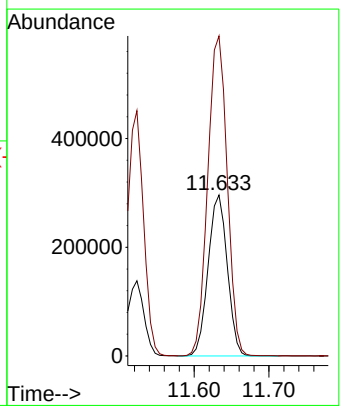


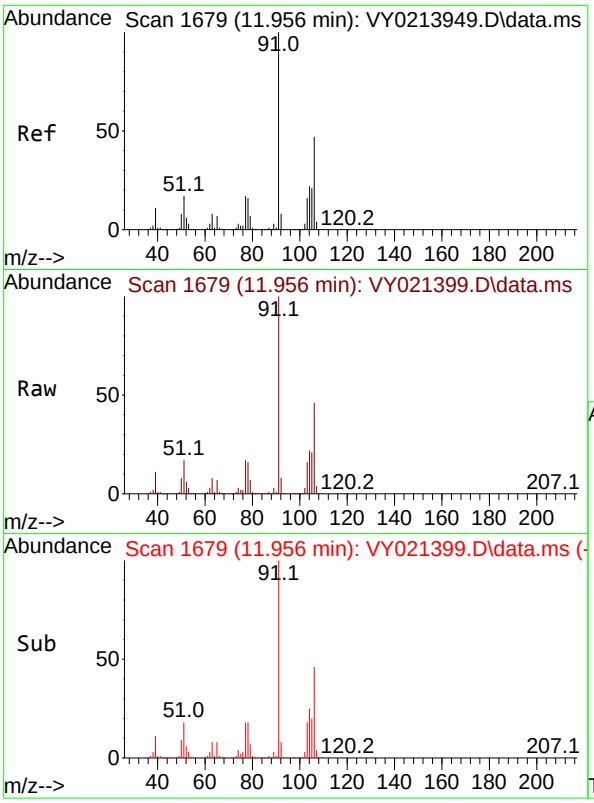


#68
m/p-Xylenes
Concen: 104.452 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:106 Resp: 528037

Ion	Ratio	Lower	Upper
106	100		
91	202.1	161.7	242.5





#69
o-Xylene
Concen: 52.341 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:106 Resp: 24386

Ion	Ratio	Lower	Upper
106	100		
91	215.2	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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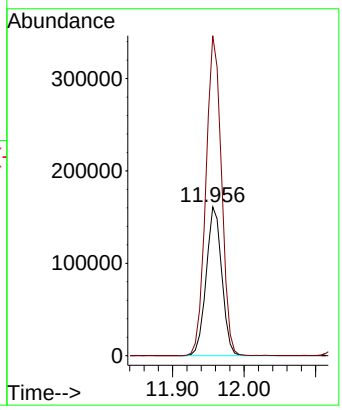
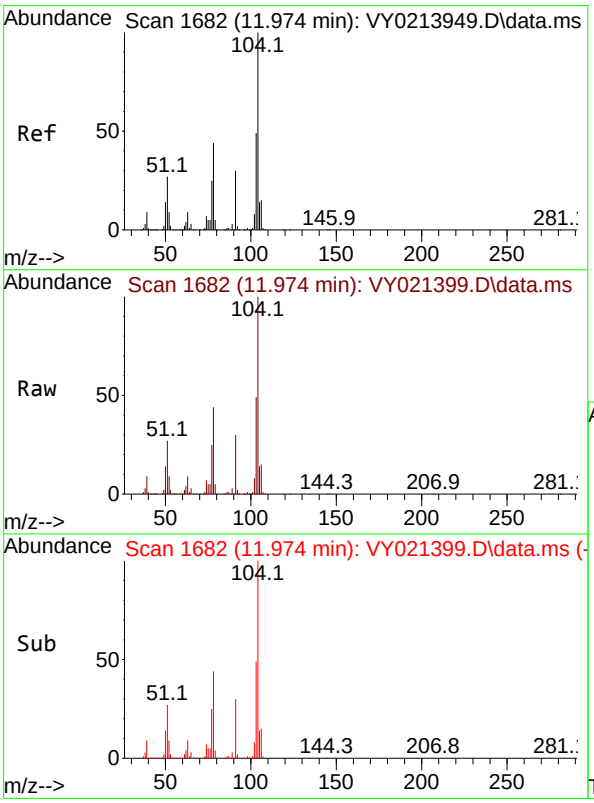
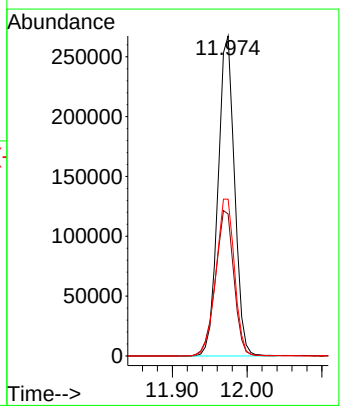


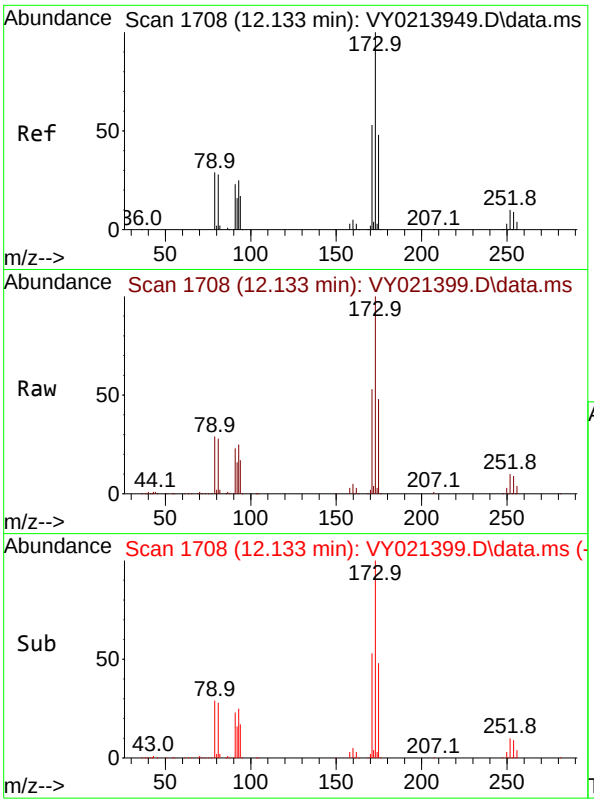


#70
Styrene
Concen: 53.068 ug/l
RT: 11.974 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:104 Resp: 410178

Ion	Ratio	Lower	Upper
104	100		
78	50.9	40.7	61.1
103	55.1	44.1	66.1

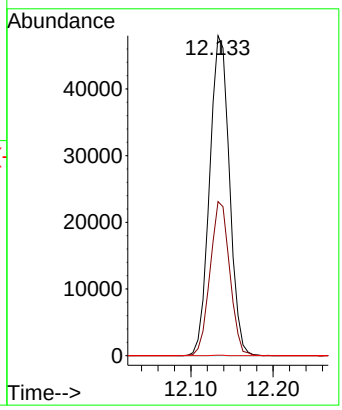




#71
Bromoform
Concen: 53.584 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:173 Resp: 8034

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.9	71.7
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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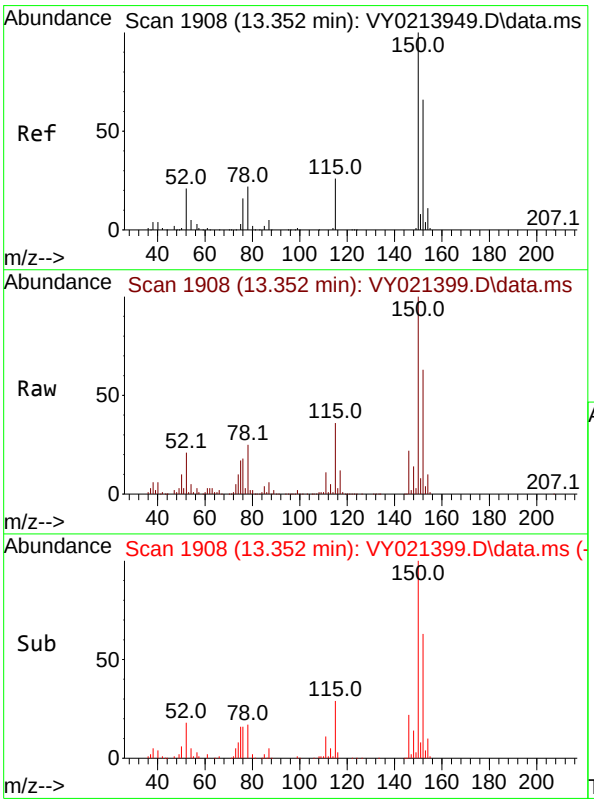
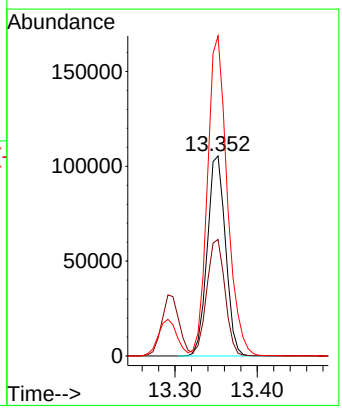
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

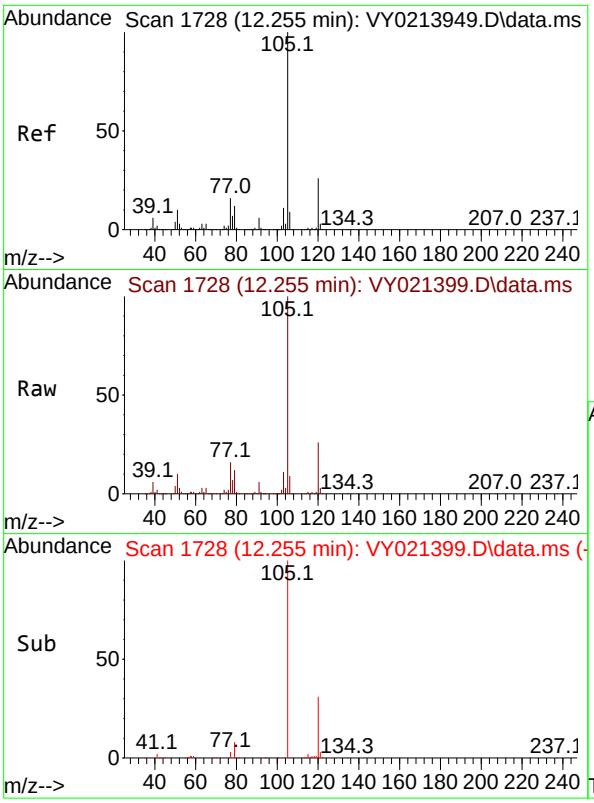


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:152 Resp: 162486

Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.0	87.0
150	173.6	0.0	347.2

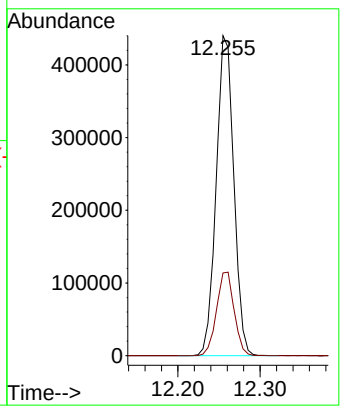




#73
Isopropylbenzene
Concen: 51.212 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:105 Resp: 65549

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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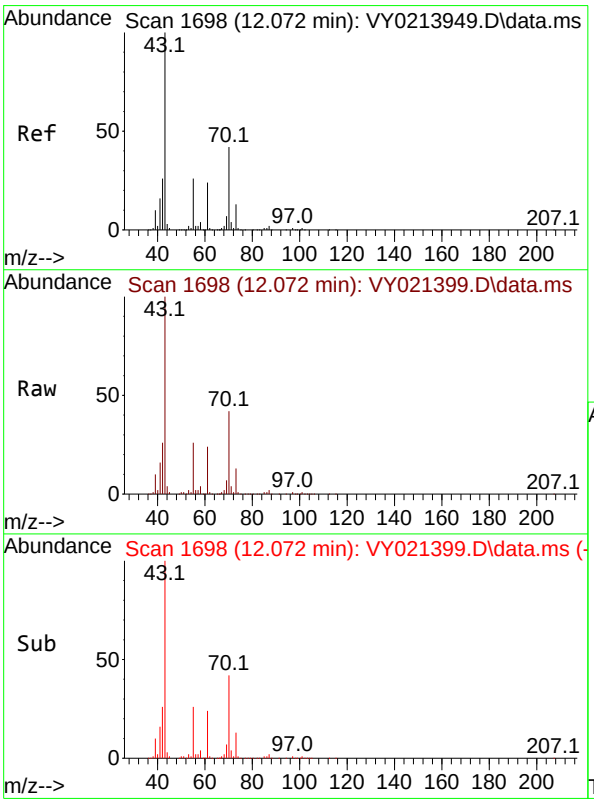
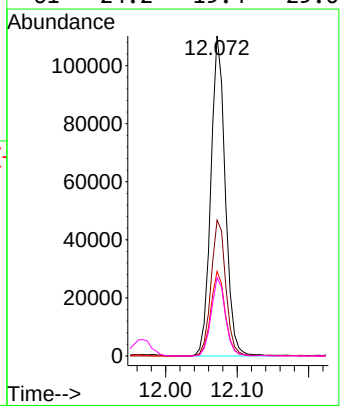
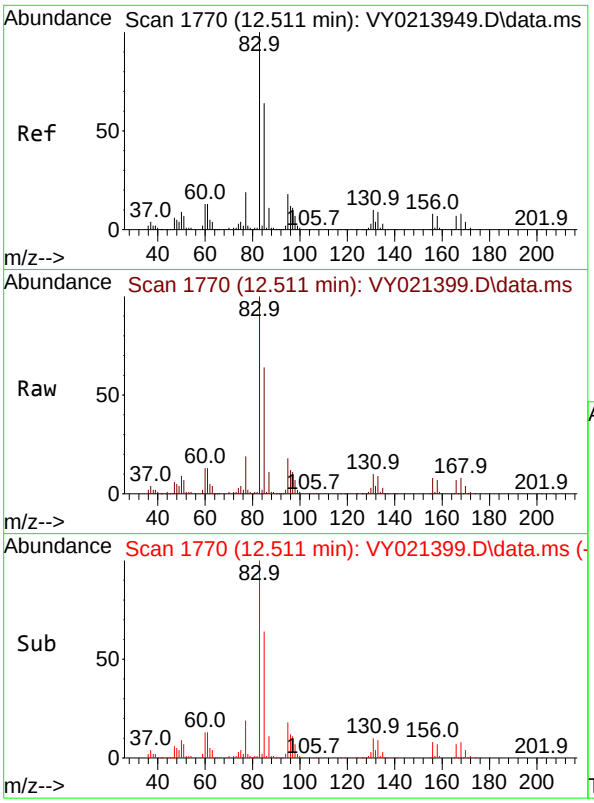


#74
N-amyl acetate
Concen: 55.547 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 43 Resp: 154403

Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.6	51.8
55	26.4	21.1	31.7
61	24.2	19.4	29.0

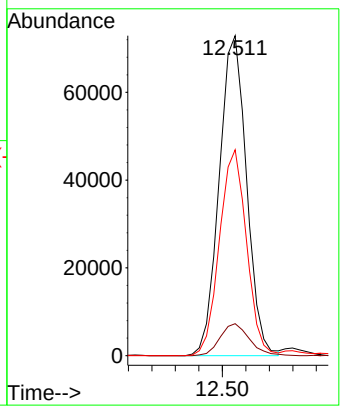




#75
1,1,2,2-Tetrachloroethane
Concen: 52.277 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 83 Resp: 11807

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	63.7	31.9	95.5



Instrument :
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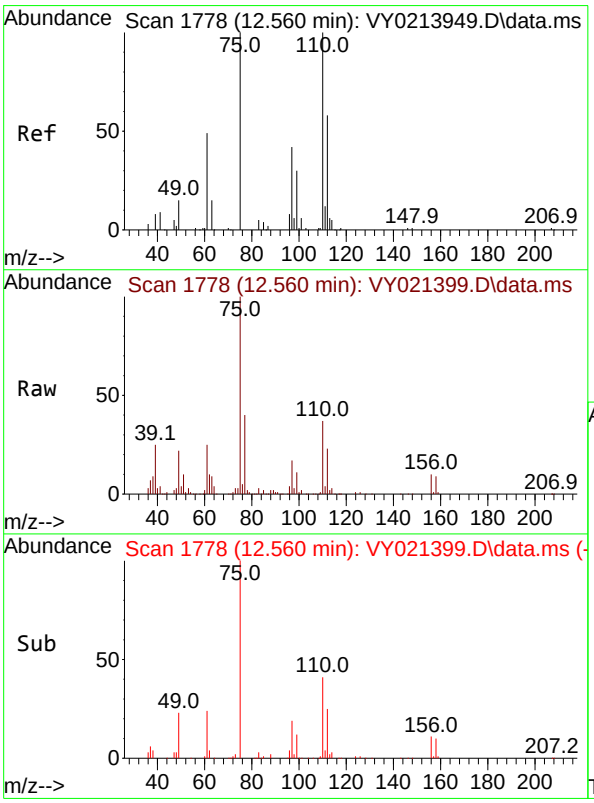
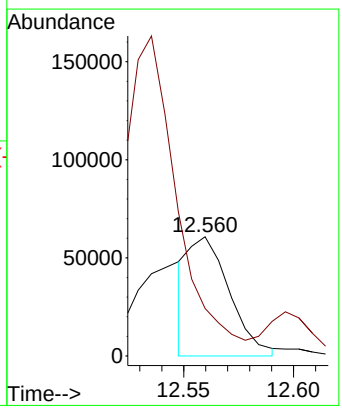
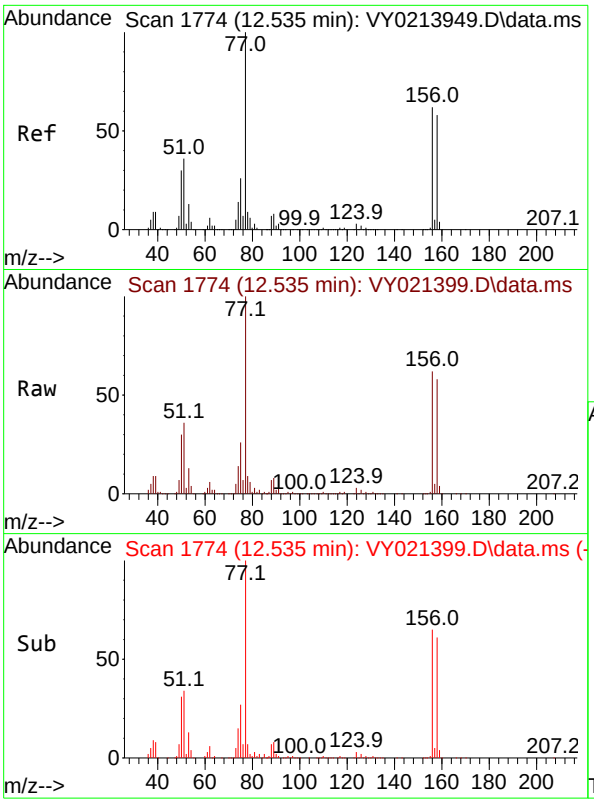


#76
1,2,3-Trichloropropane
Concen: 48.762 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 75 Resp: 79840

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 50.247 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:156 Resp: 15046

Ion	Ratio	Lower	Upper
156	100		
77	187.2	93.6	280.8
158	96.5	48.3	144.8

Instrument :
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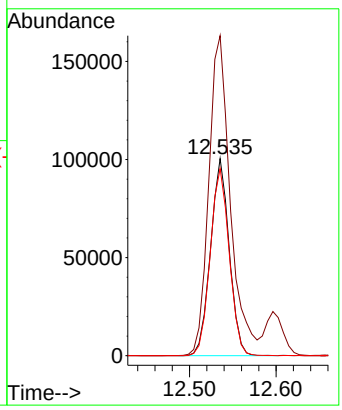
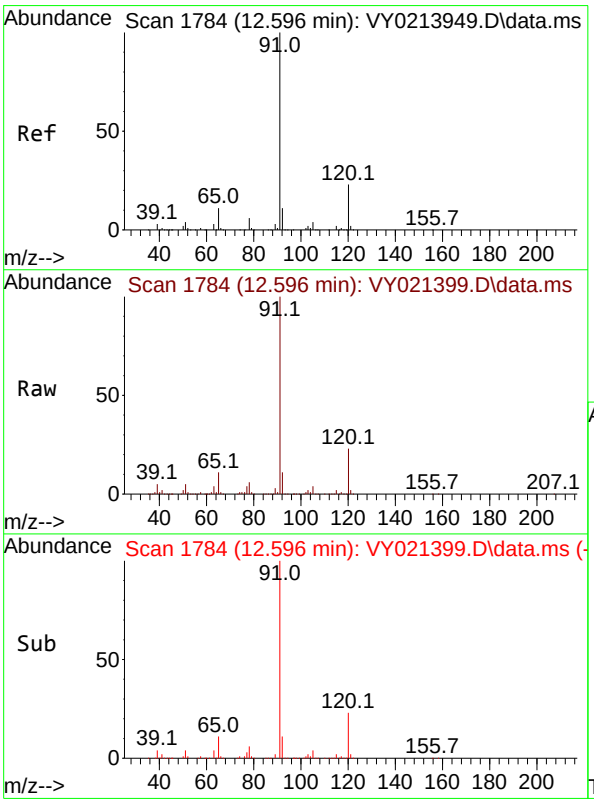
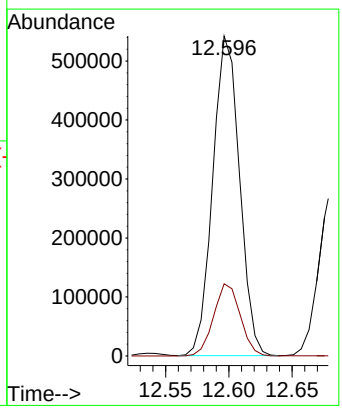


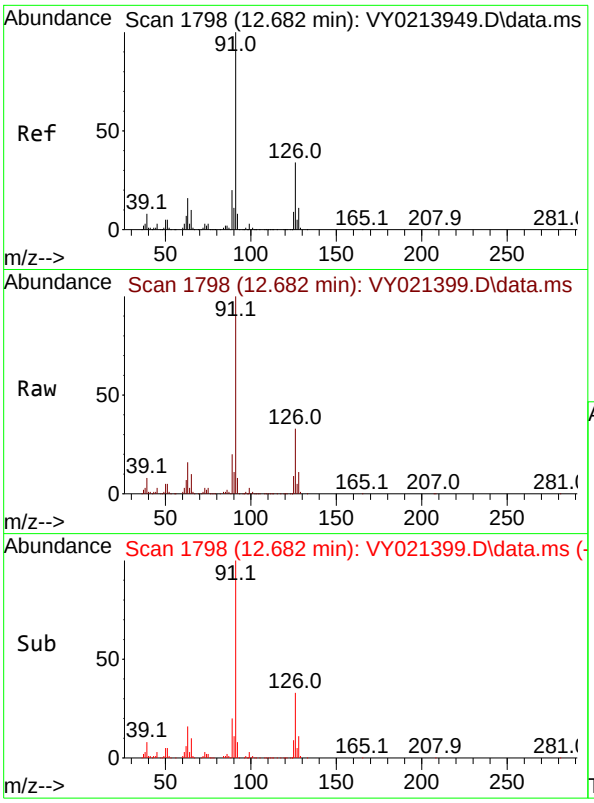


#78
n-propylbenzene
Concen: 51.272 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 91 Resp: 797005

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.8





#79
2-Chlorotoluene
Concen: 50.112 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 91 Resp: 44540

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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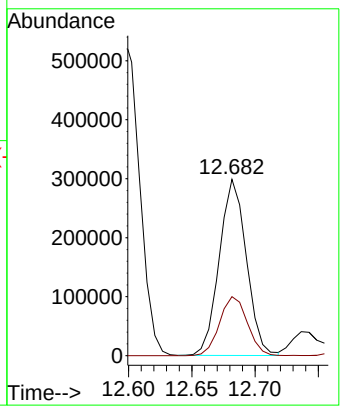
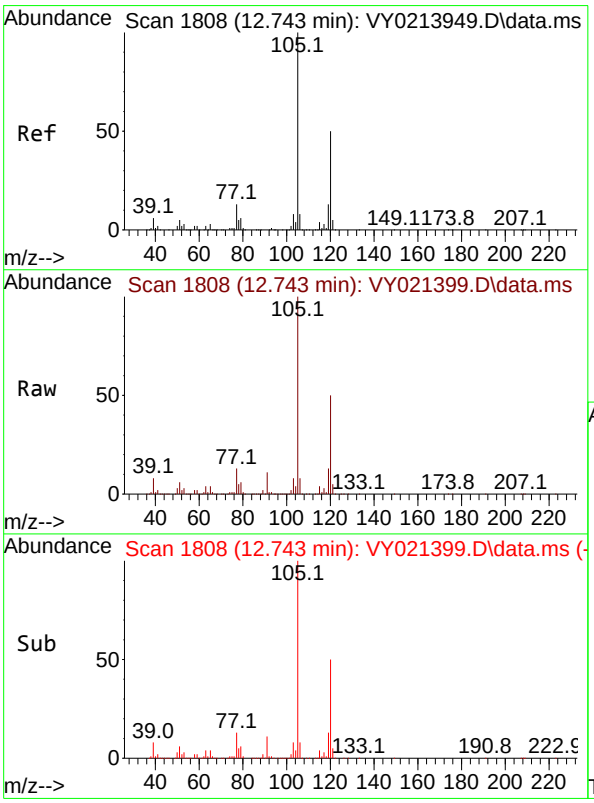
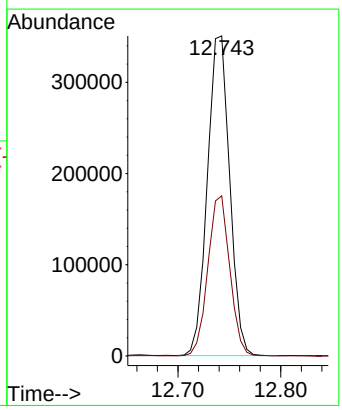


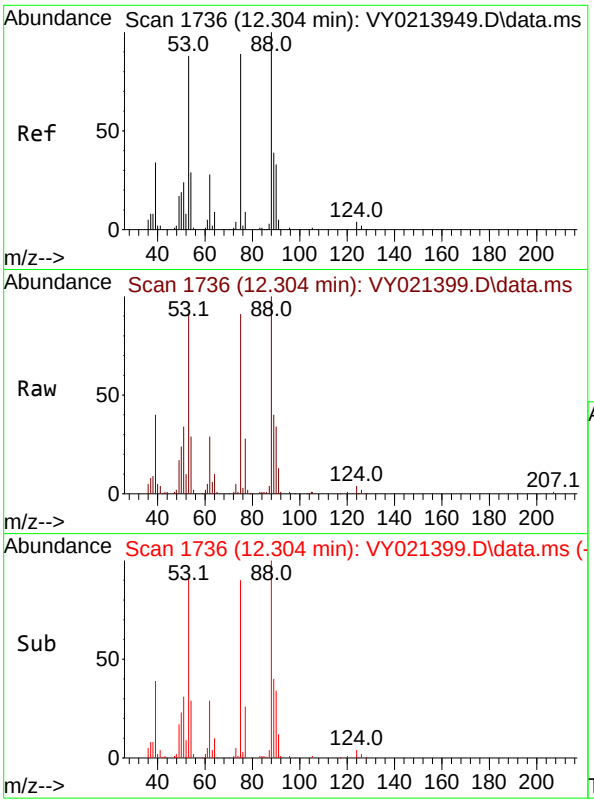


#80
1,3,5-Trimethylbenzene
Concen: 50.855 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:105 Resp: 528974

Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 53.727 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 75 Resp: 3869

Ion	Ratio	Lower	Upper
75	100		
53	101.2	81.0	121.4
89	46.1	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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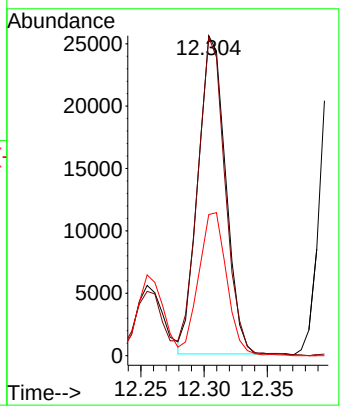
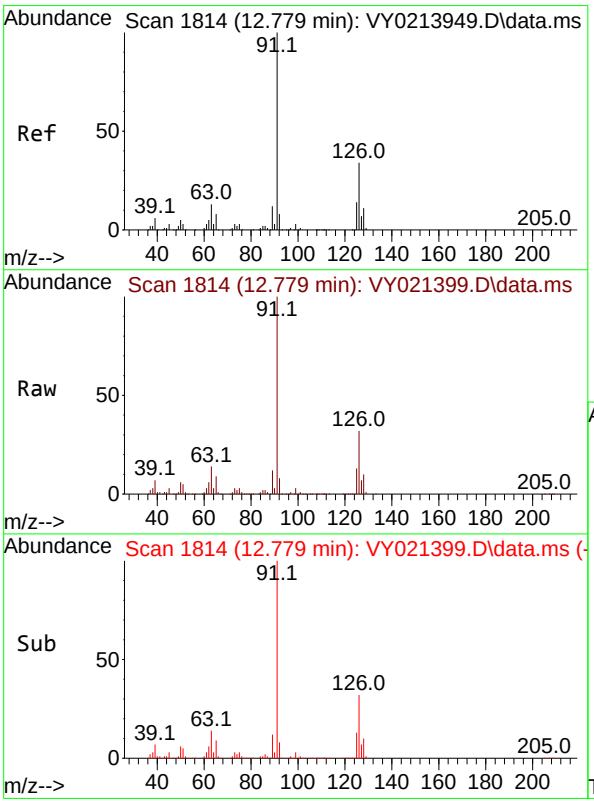
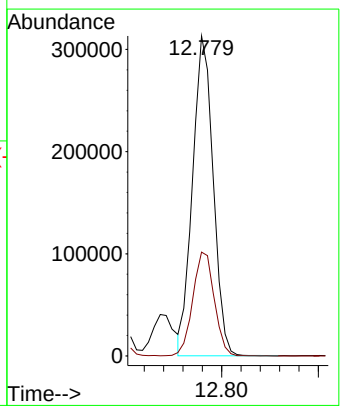


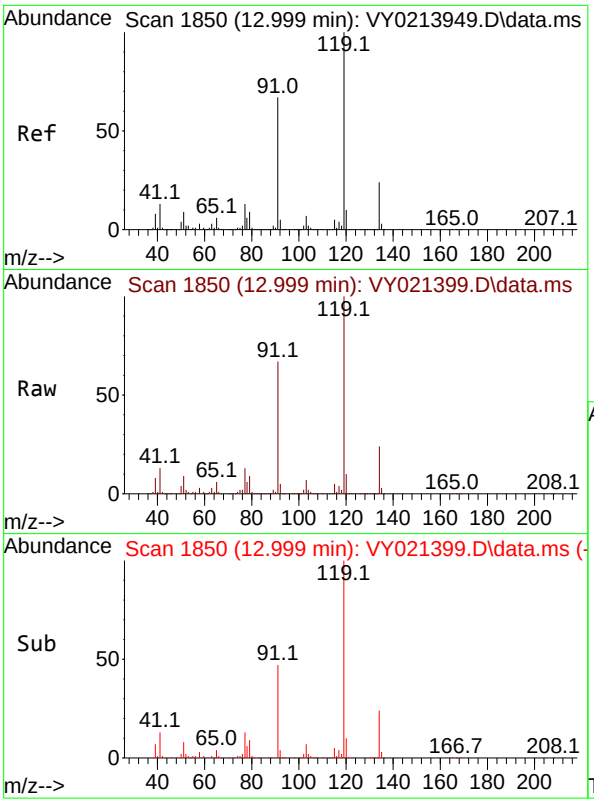


#82
4-Chlorotoluene
Concen: 50.291 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 91 Resp: 462879

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

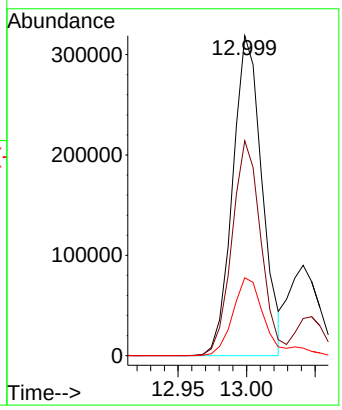




#83
tert-Butylbenzene
Concen: 51.194 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:119 Resp: 47504

Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.2	99.6
134	27.0	13.5	40.5



Instrument :
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ClientSampleId :
VSTDICCC050

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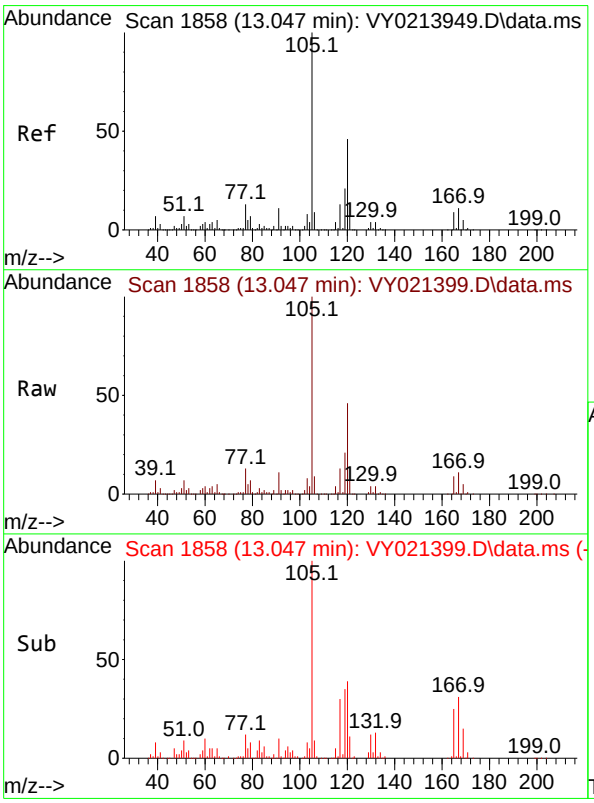
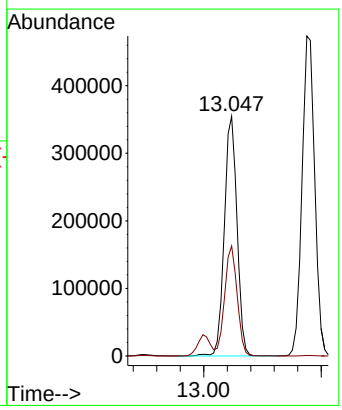
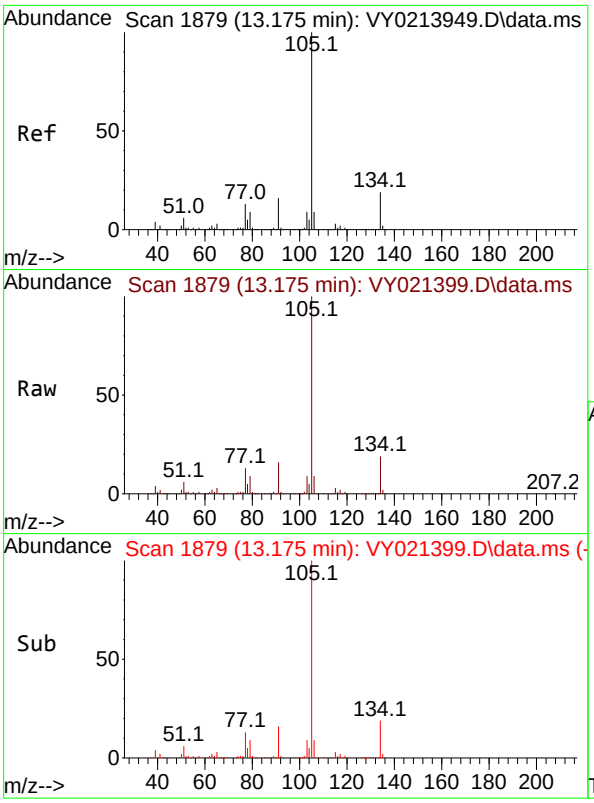


#84
1,2,4-Trimethylbenzene
Concen: 51.505 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:105 Resp: 531919

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1





#85
sec-Butylbenzene
Concen: 51.284 ug/l
RT: 13.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:105 Resp: 70804

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.9	29.7

Instrument :
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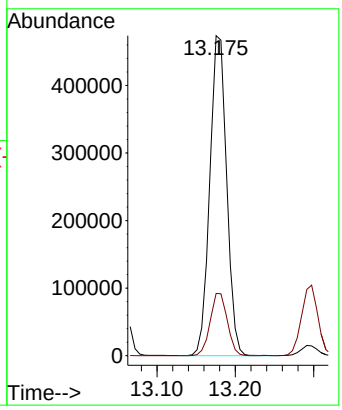
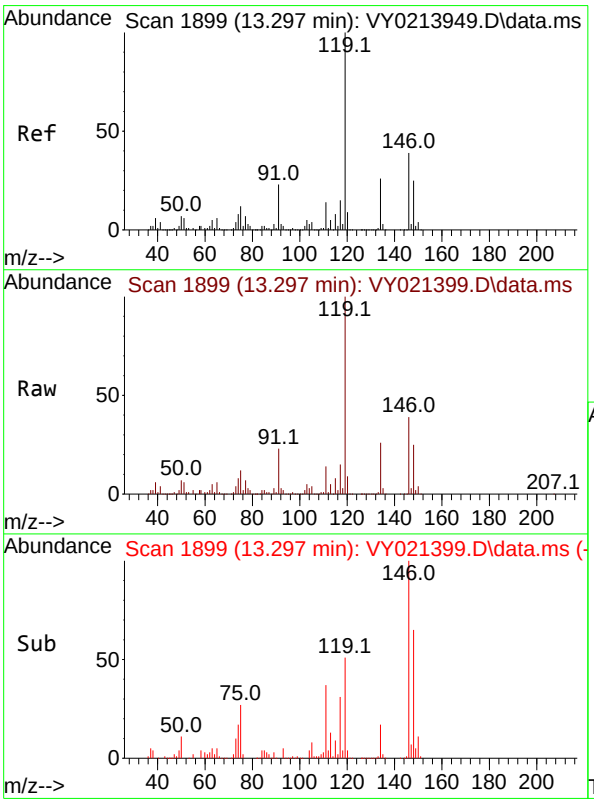
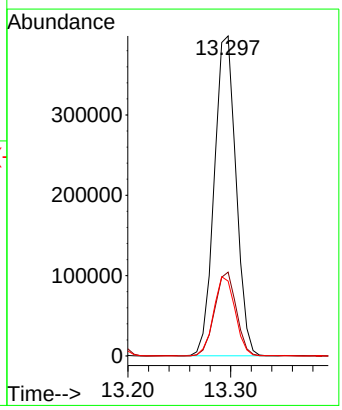


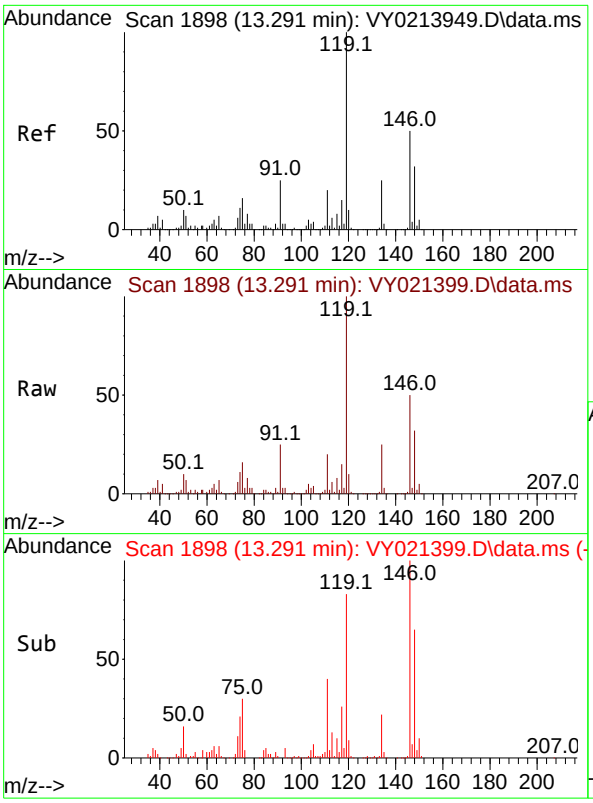


#86
p-Isopropyltoluene
Concen: 51.302 ug/l
RT: 13.297 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:119 Resp: 583517

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	24.4	12.2	36.6

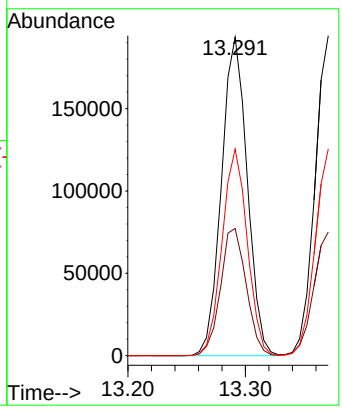




#87
1,3-Dichlorobenzene
Concen: 49.392 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:146 Resp: 29440

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.5	31.8	95.3



Instrument :
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ClientSampleId :
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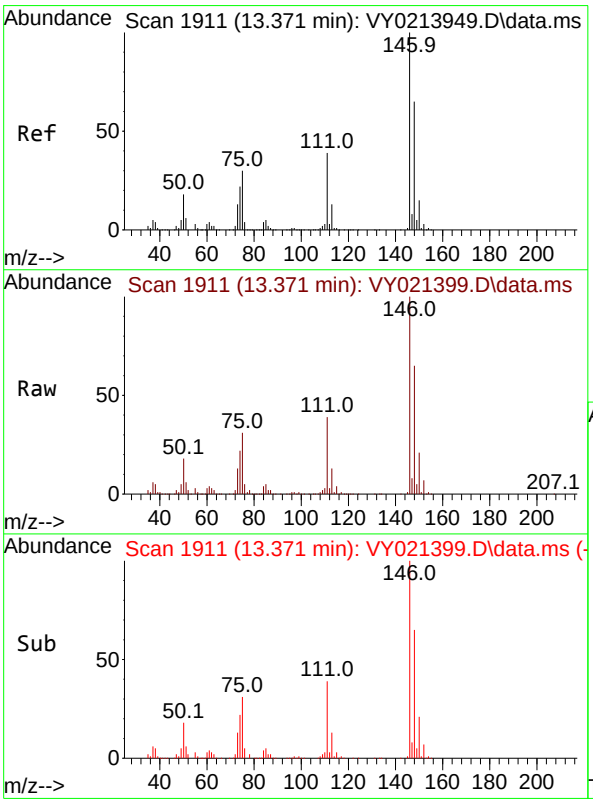
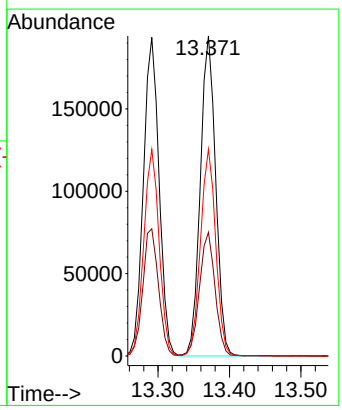
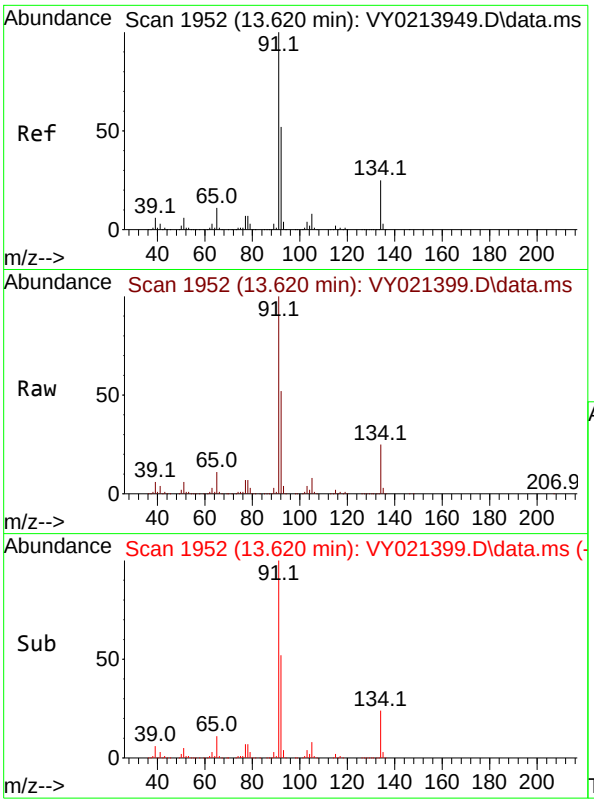


#88
1,4-Dichlorobenzene
Concen: 49.675 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:146 Resp: 289572

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	64.5	32.3	96.8

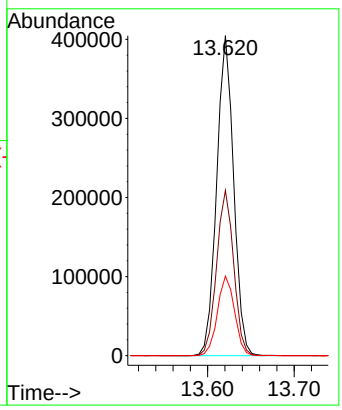




#89
n-Butylbenzene
Concen: 52.392 ug/l
RT: 13.620 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 91 Resp: 55027

Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	25.2	12.6	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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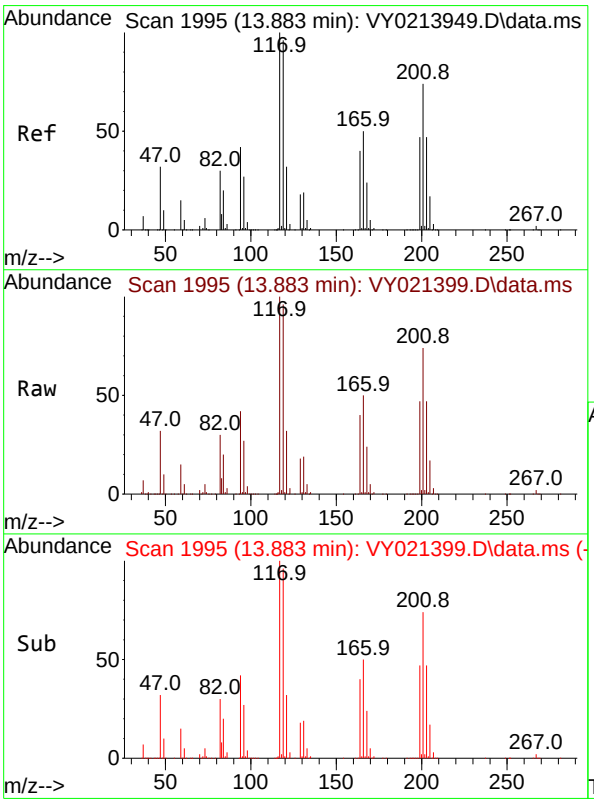
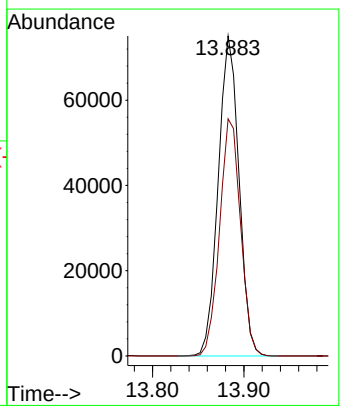
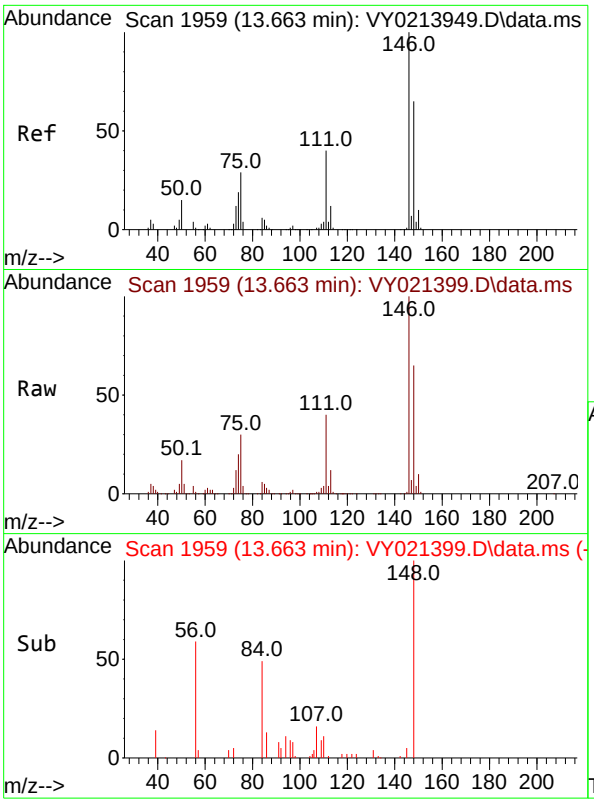


#90
Hexachloroethane
Concen: 48.822 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:117 Resp: 118465

Ion	Ratio	Lower	Upper
117	100		
201	74.8	37.4	112.2

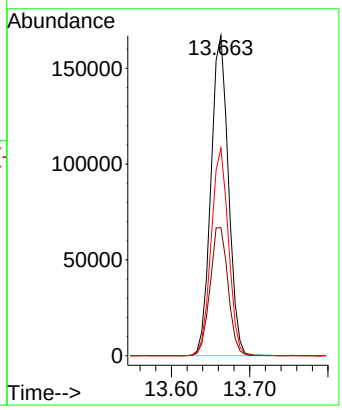




#91
1,2-Dichlorobenzene
Concen: 50.517 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:146 Resp: 25807

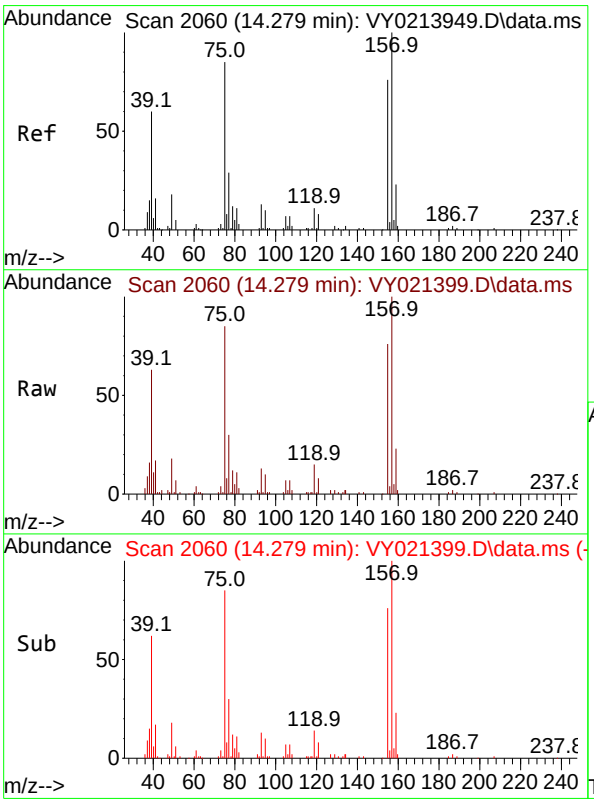
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	64.3	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

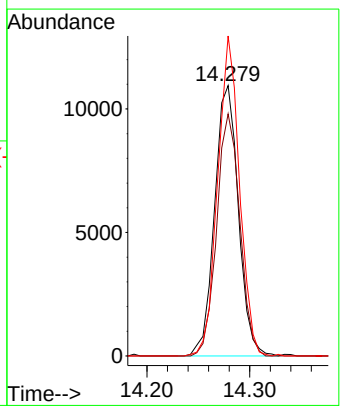
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

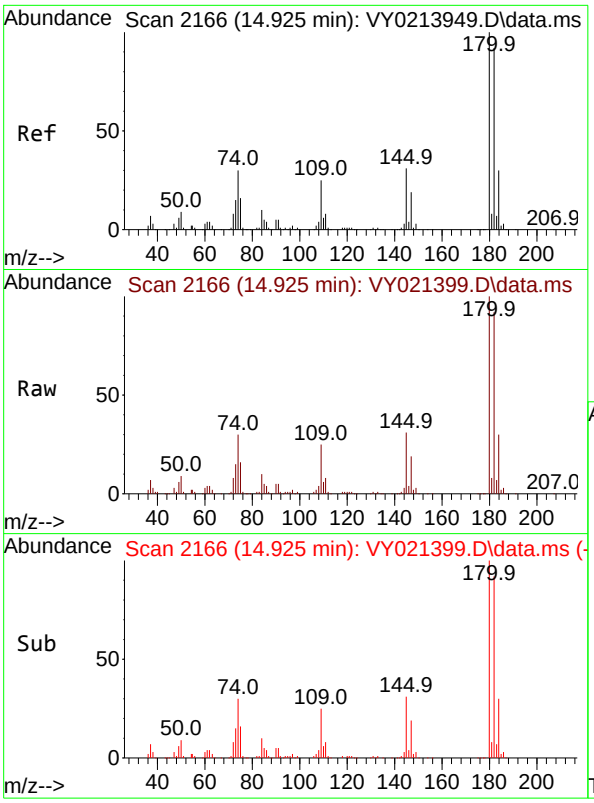


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.924 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion: 75 Resp: 17568

Ion	Ratio	Lower	Upper
75	100		
155	87.0	43.5	130.5
157	108.8	54.4	163.2

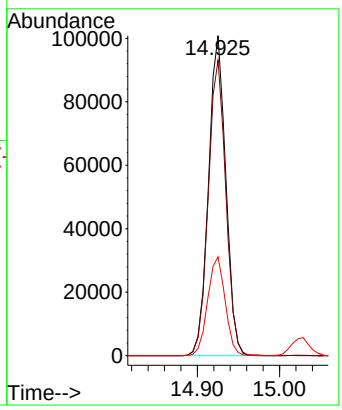




#93
1,2,4-Trichlorobenzene
Concen: 52.891 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:180 Resp: 14758

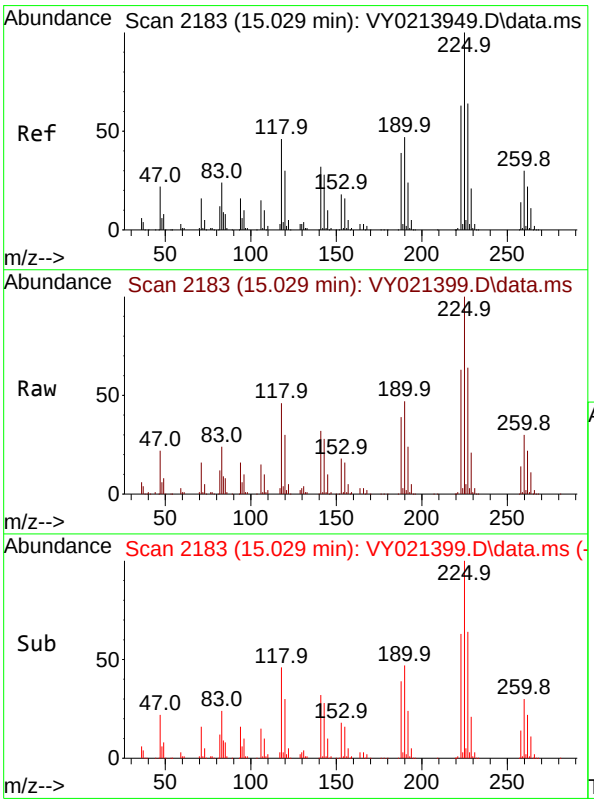
Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.7	140.0
145	31.2	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

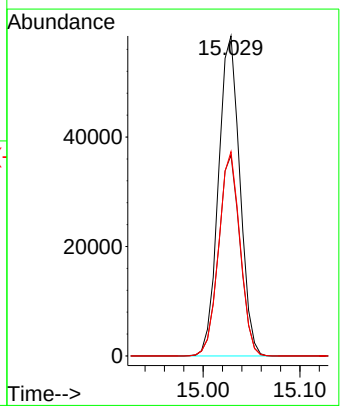
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

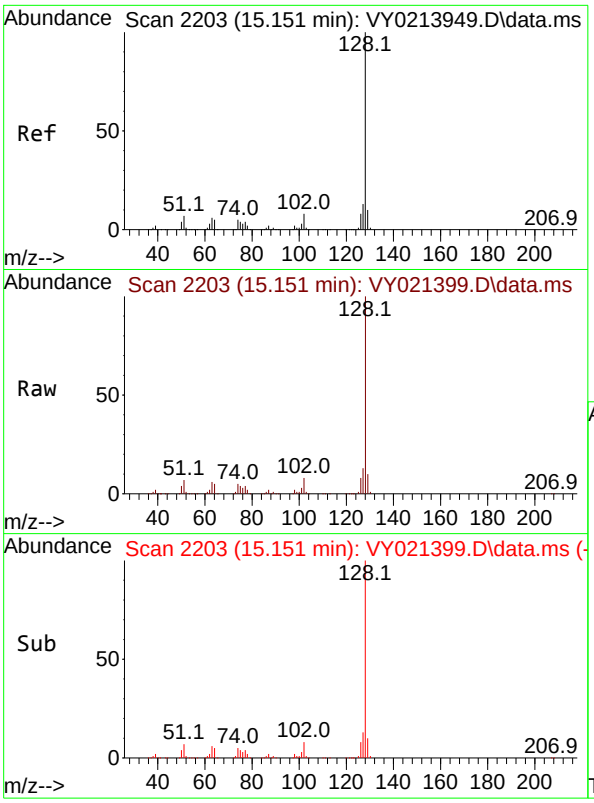


#94
Hexachlorobutadiene
Concen: 51.220 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:225 Resp: 89592

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	63.6	31.8	95.4

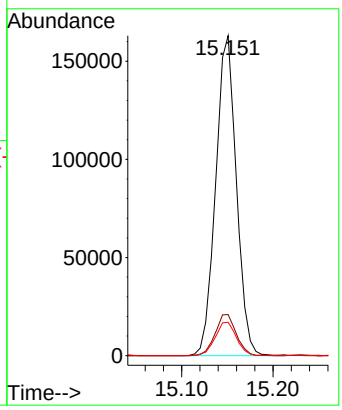




#95
Naphthalene
Concen: 53.894 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:128 Resp: 25666

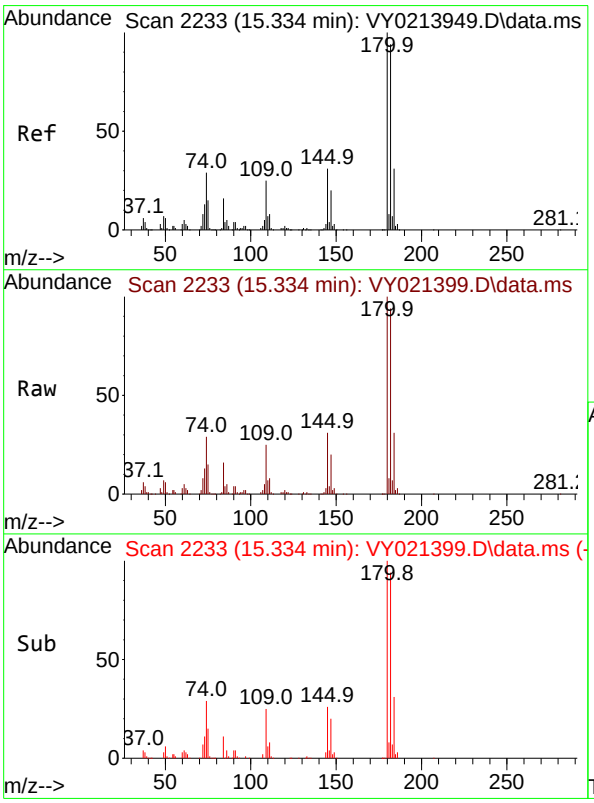
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.8	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

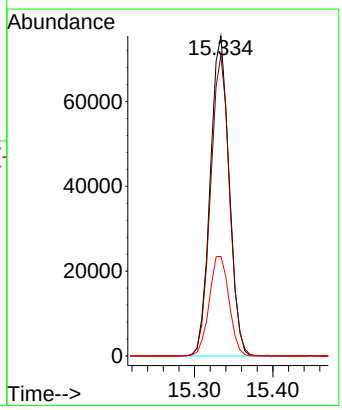
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.673 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021399.D
Acq: 04 Mar 2025 10:30

Tgt Ion:180 Resp: 125962

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.2	141.6
145	32.7	16.4	49.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021400.D
Acq On : 04 Mar 2025 11:06
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:00:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	244207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	369748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	325902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	161237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	249506	96.666	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 193.340%#			
35) Dibromofluoromethane	7.640	113	245300	100.930	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 201.860%#			
50) Toluene-d8	10.115	98	953319	103.596	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 207.200%#			
62) 4-Bromofluorobenzene	12.414	95	320008	102.231	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 204.460%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	214851	95.873	ug/l	98
3) Chloromethane	2.074	50	297027	94.011	ug/l	99
4) Vinyl Chloride	2.208	62	344887	99.889	ug/l	98
5) Bromomethane	2.598	94	236127	94.624	ug/l	99
6) Chloroethane	2.739	64	223479	97.944	ug/l	97
7) Trichlorofluoromethane	3.068	101	470472	97.624	ug/l	99
8) Diethyl Ether	3.464	74	129160	96.710	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.824	101	264663	96.189	ug/l	99
10) Methyl Iodide	4.013	142	306871	109.719	ug/l	100
11) Tert butyl alcohol	4.872	59	74090	460.479	ug/l	99
12) 1,1-Dichloroethene	3.799	96	250255	99.762	ug/l	99
13) Acrolein	3.659	56	10283	78.325	ug/l	89
14) Allyl chloride	4.397	41	413704	102.051	ug/l	99
15) Acrylonitrile	5.067	53	271919	478.287	ug/l	98
16) Acetone	3.872	43	252046	447.711	ug/l	94
17) Carbon Disulfide	4.116	76	790255	100.521	ug/l	100
18) Methyl Acetate	4.391	43	119905	95.992	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	634643	99.817	ug/l	100
20) Methylene Chloride	4.628	84	258664	87.531	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	278418	99.104	ug/l	96
22) Diisopropyl ether	6.025	45	878111	100.510	ug/l	97
23) Vinyl Acetate	5.970	43	2520516	505.518	ug/l	100
24) 1,1-Dichloroethane	5.921	63	505607	98.056	ug/l	99
25) 2-Butanone	6.902	43	363091	466.248	ug/l	100
26) 2,2-Dichloropropane	6.890	77	466669	98.362	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	321461	100.724	ug/l	99
28) Bromochloromethane	7.250	49	208133	96.281	ug/l	99
29) Tetrahydrofuran	7.268	42	228343	474.960	ug/l	99
30) Chloroform	7.427	83	520812	97.270	ug/l	97
31) Cyclohexane	7.707	56	460568	95.275	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	480163	97.941	ug/l	100
36) 1,1-Dichloropropene	7.841	75	388384	102.089	ug/l	99
37) Ethyl Acetate	6.994	43	162380	94.621	ug/l	98
38) Carbon Tetrachloride	7.823	117	439762	100.510	ug/l	98
39) Methylcyclohexane	9.115	83	503172	107.827	ug/l	98
40) Benzene	8.085	78	1138841	101.621	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021400.D
Acq On : 04 Mar 2025 11:06
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:00:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	95564	102.238 ug/l #	88
42) 1,2-Dichloroethane	8.164	62	305782	97.534 ug/l	100
43) Isopropyl Acetate	8.201	43	327171	100.231 ug/l	99
44) Trichloroethene	8.872	130	284312	100.395 ug/l	97
45) 1,2-Dichloropropane	9.146	63	264690	99.238 ug/l	97
46) Dibromomethane	9.237	93	146713	98.859 ug/l	100
47) Bromodichloromethane	9.426	83	395676	100.395 ug/l	99
48) Methyl methacrylate	9.225	41	156771	103.582 ug/l	100
49) 1,4-Dioxane	9.237	88	29902	2052.779 ug/l	97
51) 4-Methyl-2-Pentanone	10.006	43	850519	504.998 ug/l	100
52) Toluene	10.176	92	737467	104.377 ug/l	100
53) t-1,3-Dichloropropene	10.402	75	365825	105.356 ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	428305	103.894 ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	191894	98.848 ug/l	99
56) Ethyl methacrylate	10.444	69	271599	109.699 ug/l	98
57) 1,3-Dichloropropane	10.725	76	334146	99.311 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	600796	525.670 ug/l	100
59) 2-Hexanone	10.768	43	575211	516.516 ug/l	100
60) Dibromochloromethane	10.914	129	268359	100.834 ug/l	100
61) 1,2-Dibromoethane	11.024	107	183206	99.993 ug/l	99
64) Tetrachloroethene	10.652	164	265100	100.033 ug/l	97
65) Chlorobenzene	11.450	112	776963	100.956 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	275635	101.302 ug/l	99
67) Ethyl Benzene	11.524	91	1439764	106.585 ug/l	100
68) m/p-Xylenes	11.633	106	1085642	211.694 ug/l	99
69) o-Xylene	11.962	106	507619	107.399 ug/l	100
70) Styrene	11.975	104	851456	108.590 ug/l	99
71) Bromoform	12.139	173	154505	101.579 ug/l	99
73) Isopropylbenzene	12.261	105	1364499	107.432 ug/l	99
74) N-amyl acetate	12.078	43	298318	108.151 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	215229	96.028 ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	157519m	96.949 ug/l	
77) Bromobenzene	12.536	156	301928	101.611 ug/l	99
78) n-propylbenzene	12.603	91	1627111	105.485 ug/l	100
79) 2-Chlorotoluene	12.688	91	910543	103.236 ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	1087821	105.392 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	73701	103.120 ug/l	97
82) 4-Chlorotoluene	12.786	91	945021	103.470 ug/l	99
83) tert-Butylbenzene	13.005	119	998366	108.425 ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	1081299	105.512 ug/l	99
85) sec-Butylbenzene	13.182	105	1441675	105.232 ug/l	99
86) p-Isopropyltoluene	13.298	119	1212941	107.466 ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	593203	100.292 ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	575089	99.419 ug/l	99
89) n-Butylbenzene	13.621	91	1139920	109.374 ug/l	99
90) Hexachloroethane	13.889	117	244664	101.612 ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	505733	99.761 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	31708	94.443 ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	298684	107.869 ug/l	98
94) Hexachlorobutadiene	15.029	225	182747	105.287 ug/l	100
95) Naphthalene	15.151	128	506570	97.607 ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	248728	106.805 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021400.D
Acq On : 04 Mar 2025 11:06
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:00:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

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

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

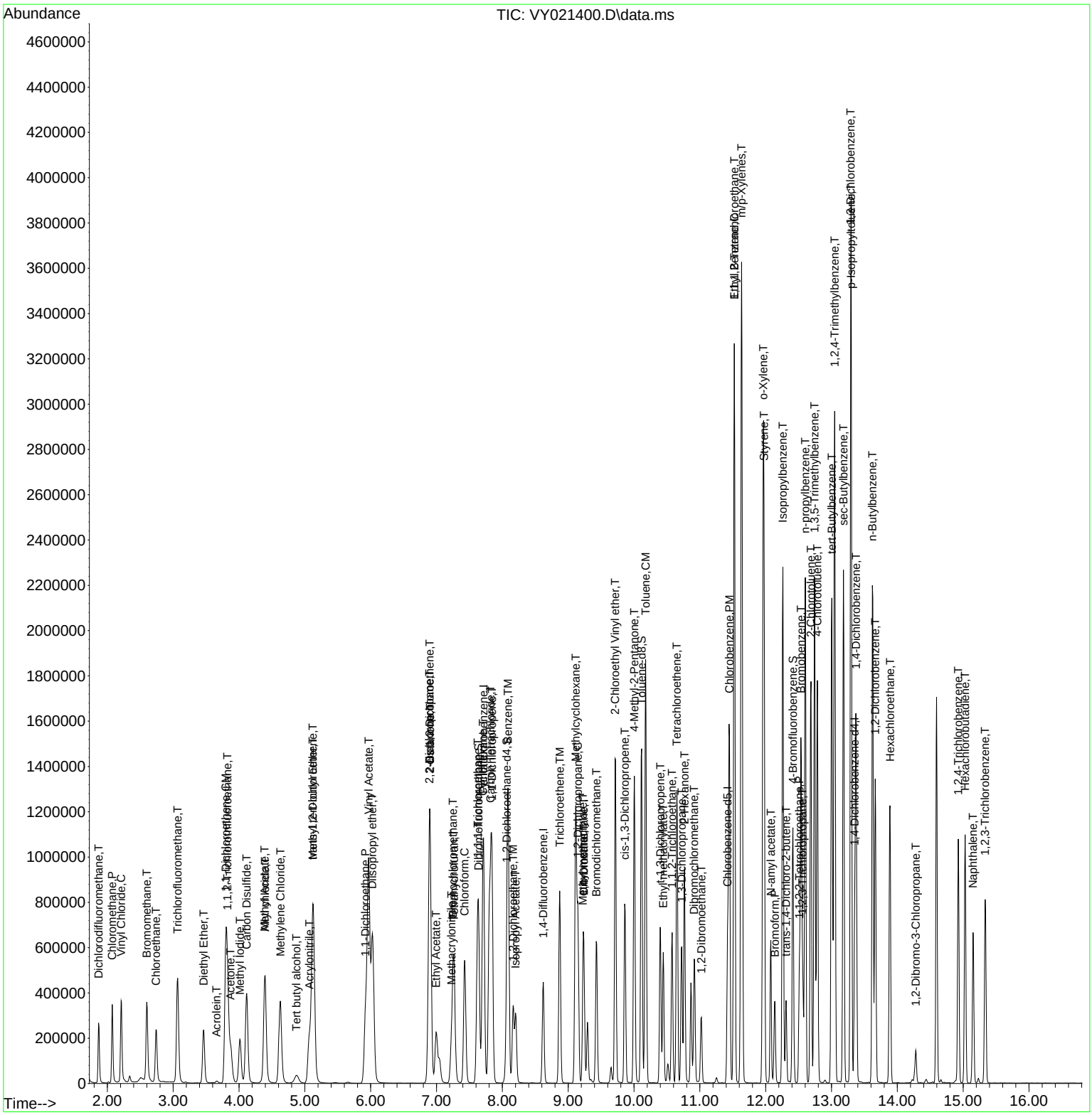
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021400.D
Acq On : 04 Mar 2025 11:06
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

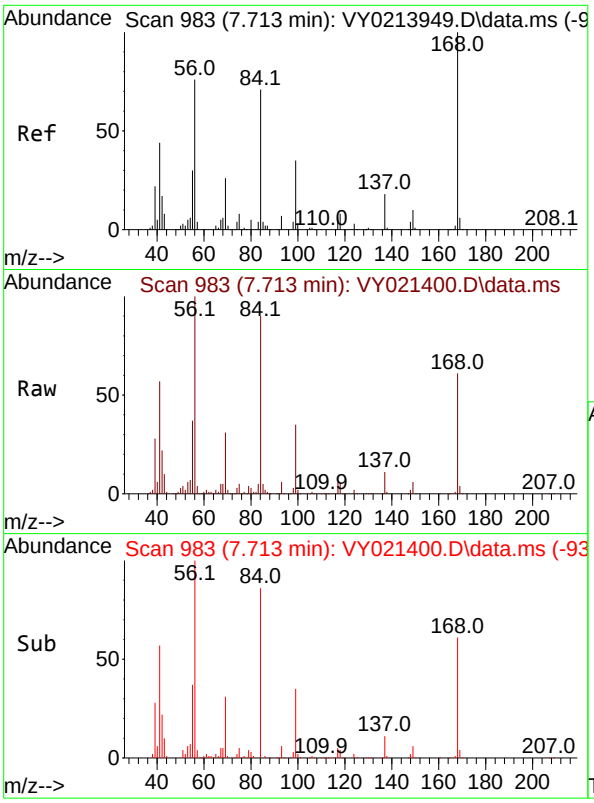
Quant Time: Mar 05 03:00:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

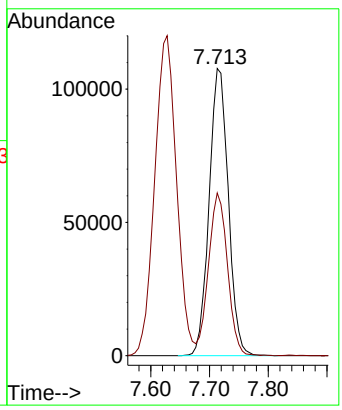




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:168 Resp: 24420

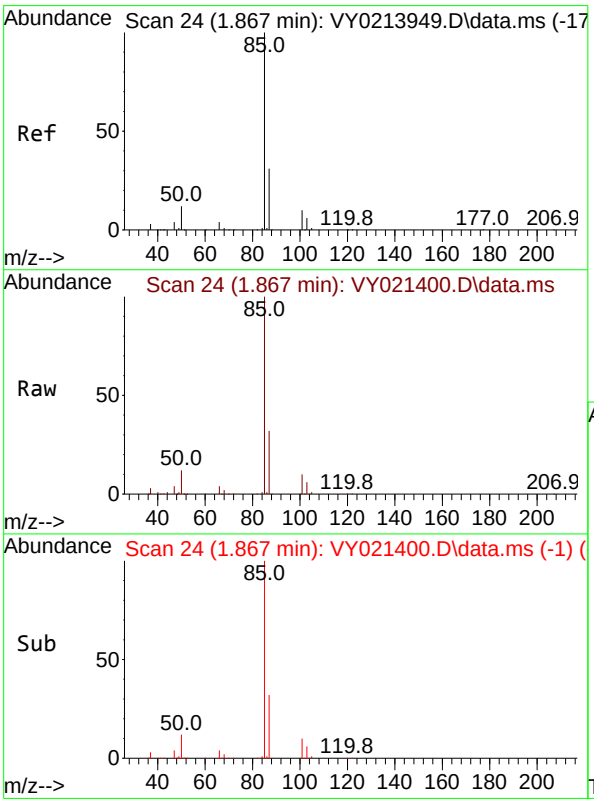
Ion	Ratio	Lower	Upper
168	100		
99	56.6	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

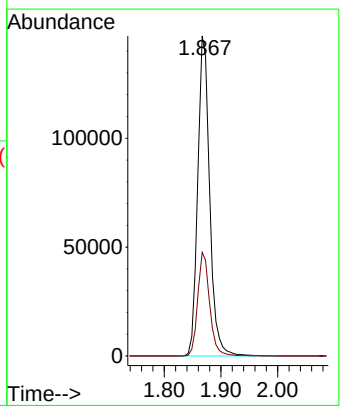
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

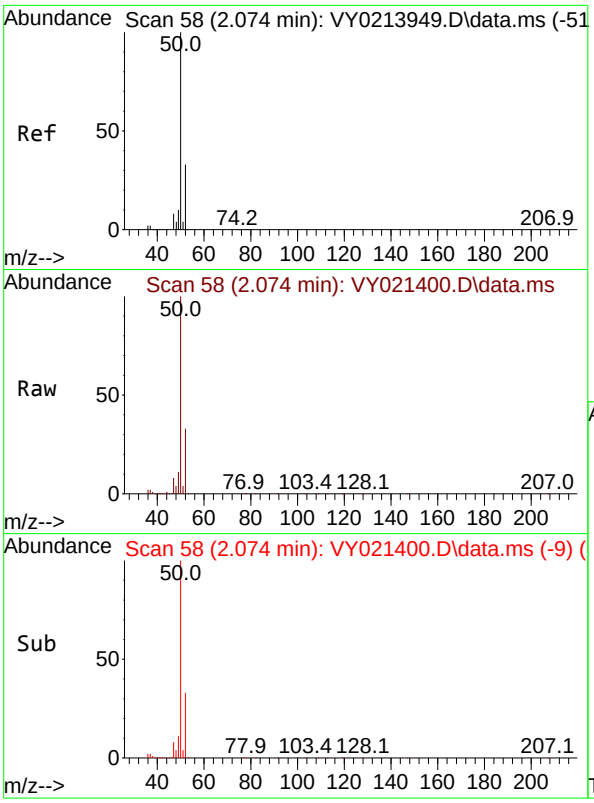


#2
Dichlorodifluoromethane
Concen: 95.873 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 85 Resp: 214851

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.7	47.0

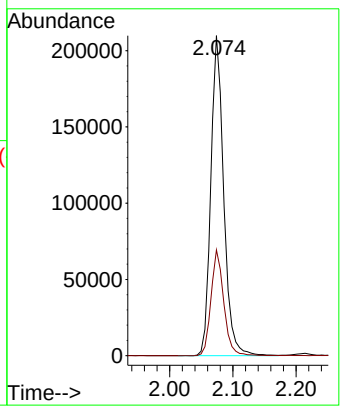




#3
Chloromethane
Concen: 94.011 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 50 Resp: 29702

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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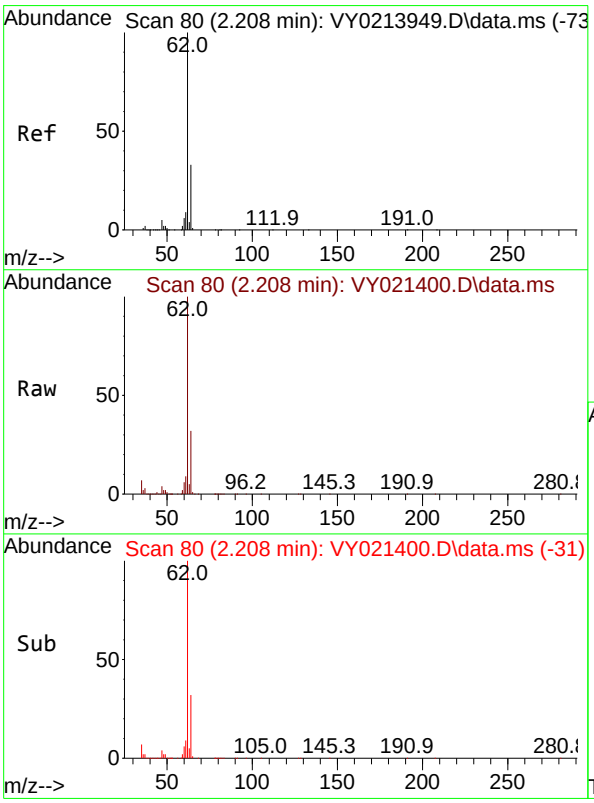
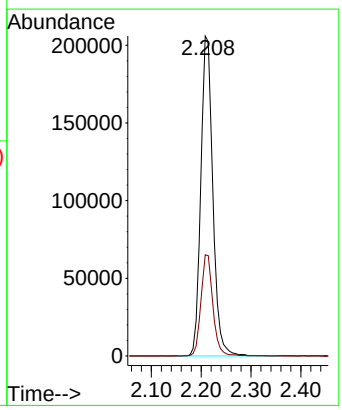
Supervised By :Semsettin Yesilyurt 03/06/2025

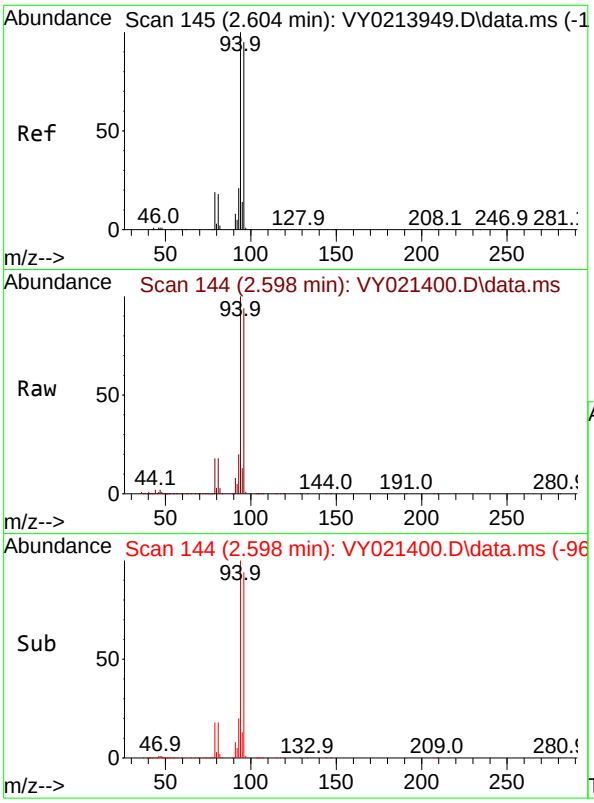


#4
Vinyl Chloride
Concen: 99.889 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 62 Resp: 344887

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.2	39.2





#5
Bromomethane
Concen: 94.624 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 94 Resp: 23612

Ion	Ratio	Lower	Upper
94	100		
96	94.0	76.3	114.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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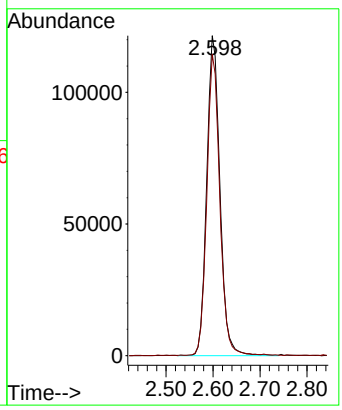
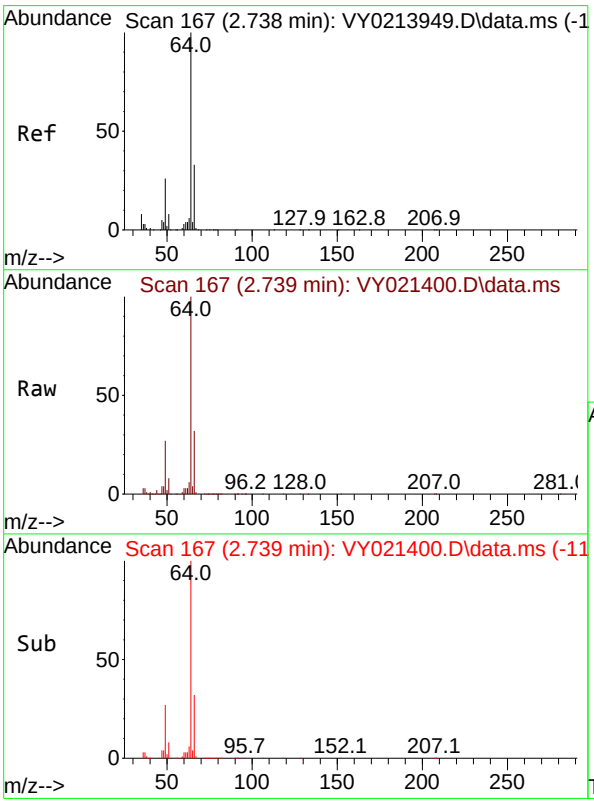
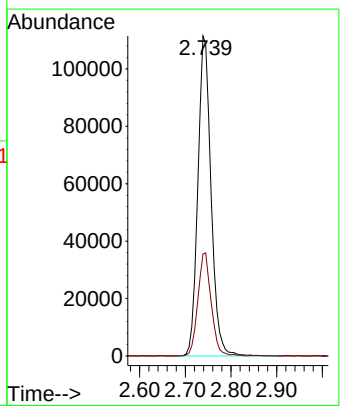


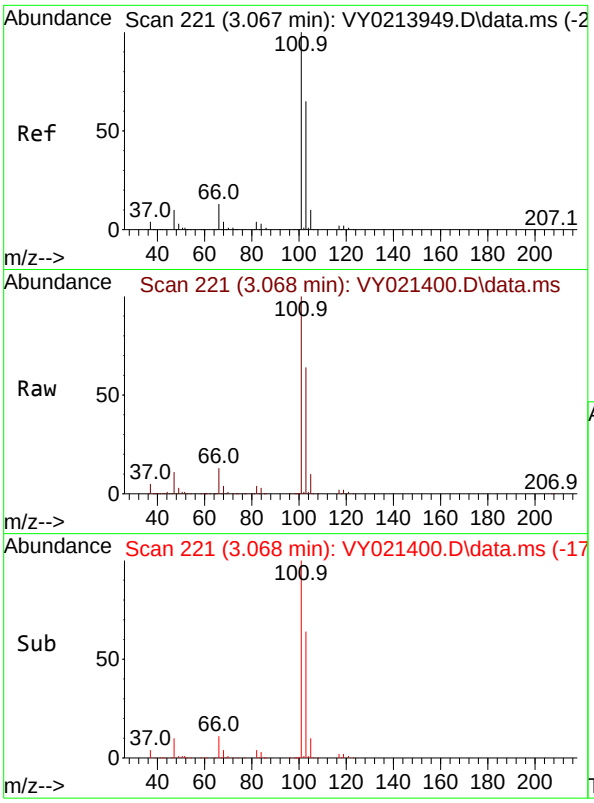


#6
Chloroethane
Concen: 97.944 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 64 Resp: 223479

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.7	40.1





#7
Trichlorofluoromethane
Concen: 97.624 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:101 Resp: 47047

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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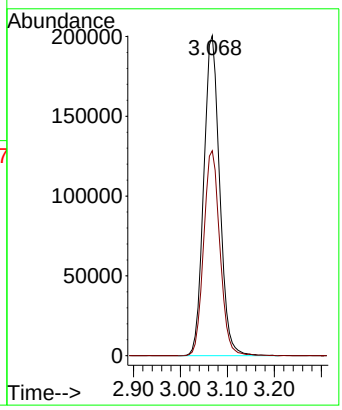
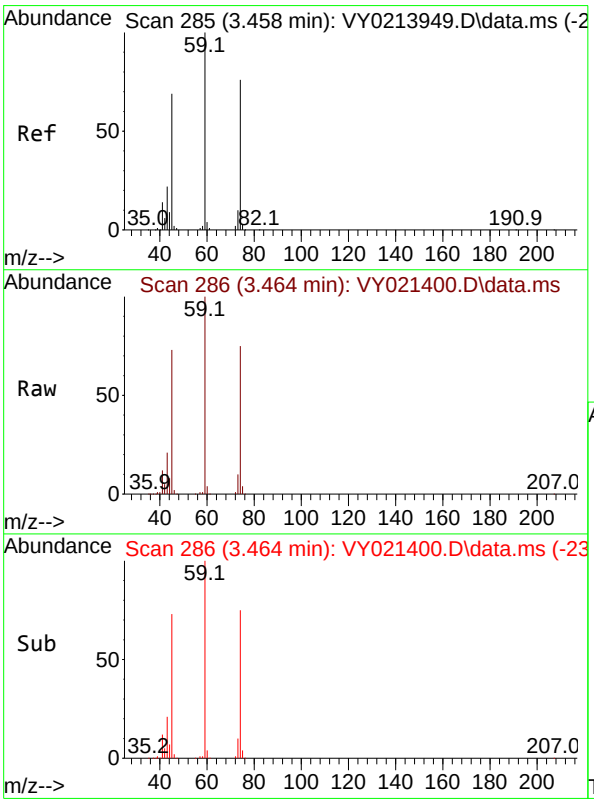
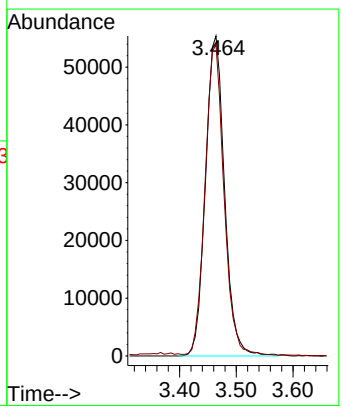


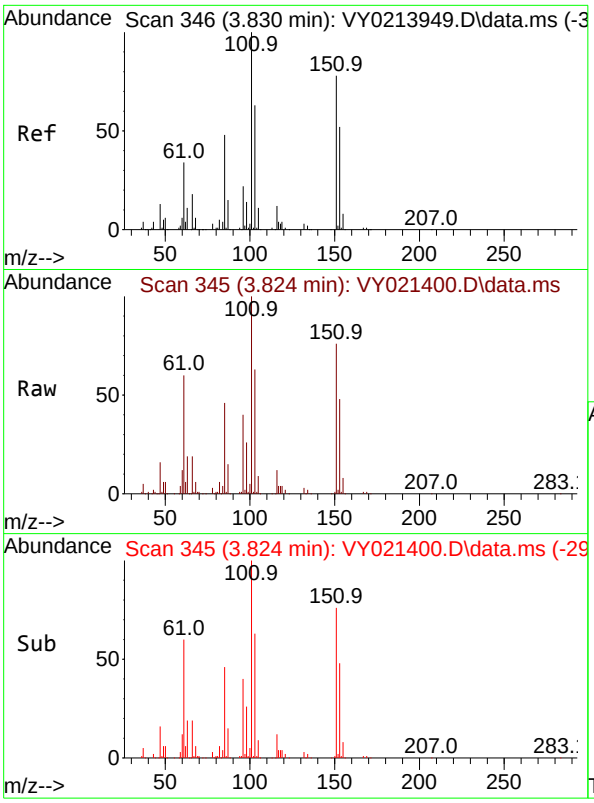


#8
Diethyl Ether
Concen: 96.710 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 74 Resp: 129160

Ion	Ratio	Lower	Upper
74	100		
45	95.8	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.189 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:101 Resp: 26466

Ion	Ratio	Lower	Upper
101	100		
85	46.2	37.1	55.7
151	76.9	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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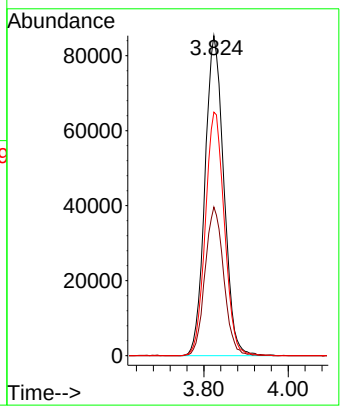
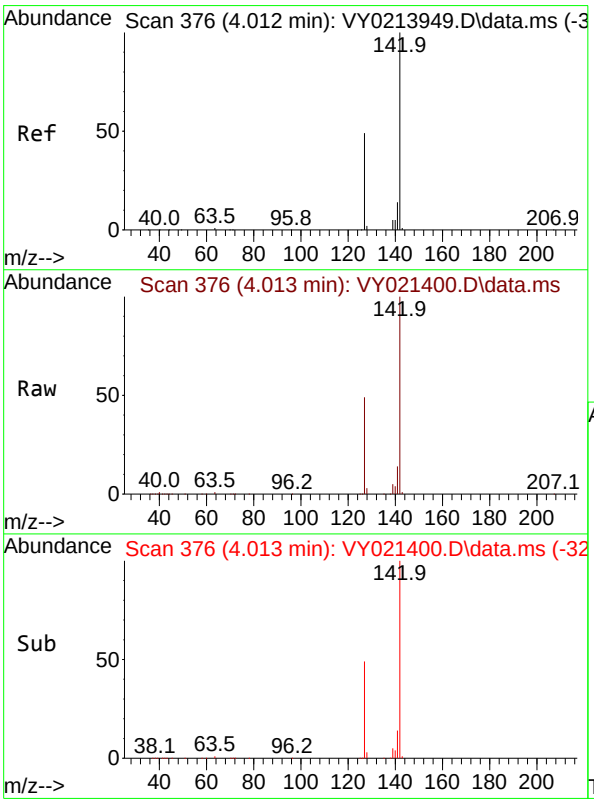
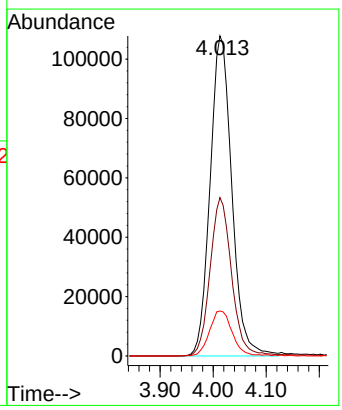


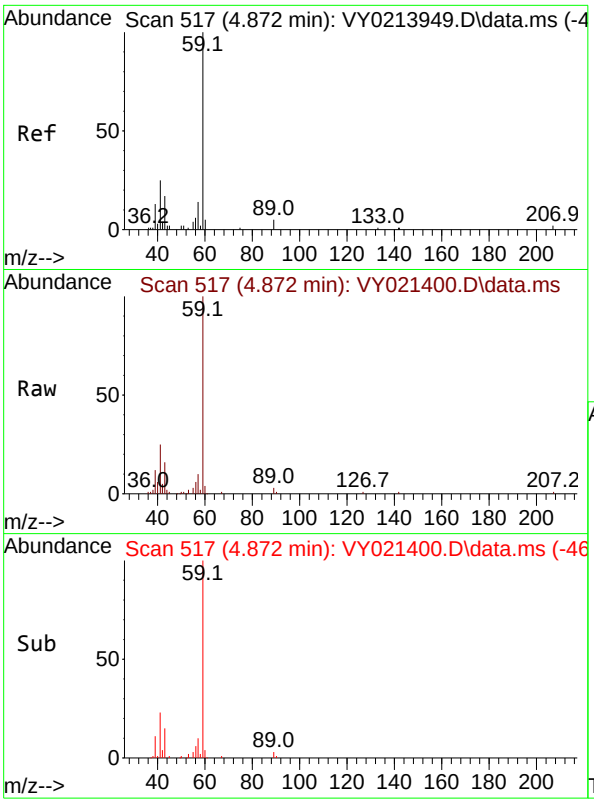


#10
Methyl Iodide
Concen: 109.719 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:142 Resp: 306871

Ion	Ratio	Lower	Upper
142	100		
127	49.0	39.1	58.7
141	14.7	11.8	17.6

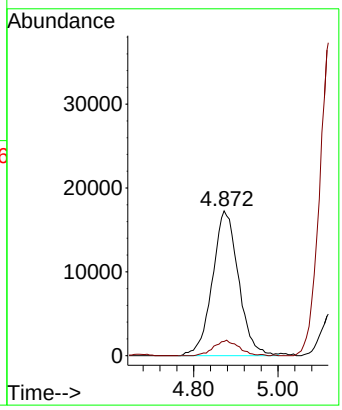




#11
Tert butyl alcohol
Concen: 460.479 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 59 Resp: 7409

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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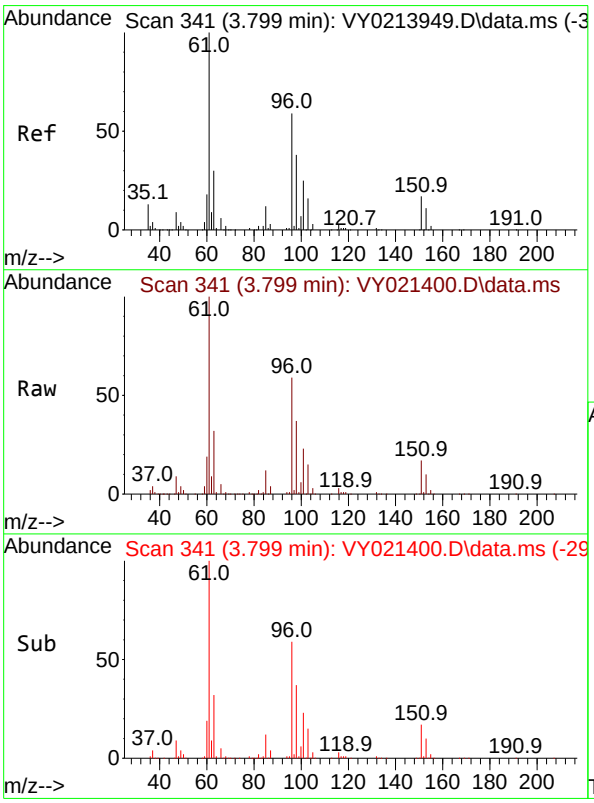
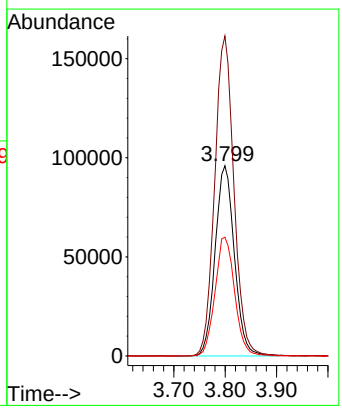
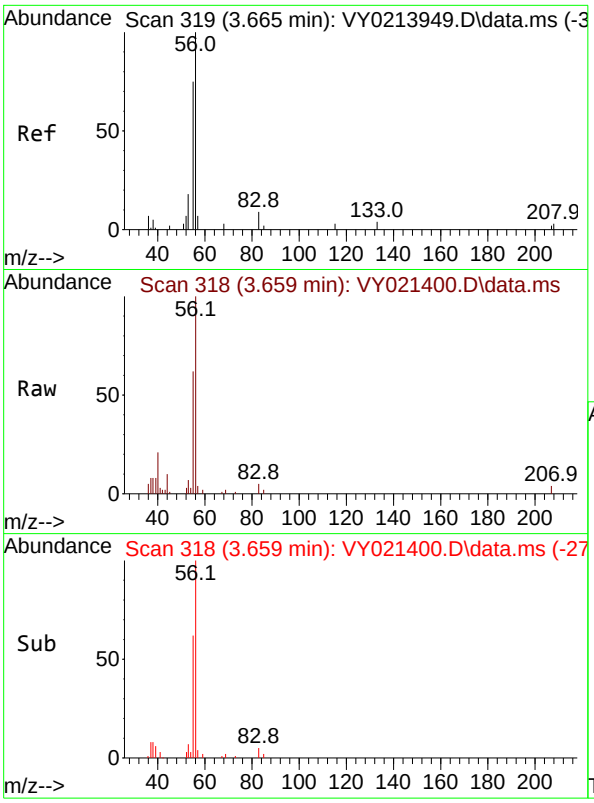


#12
1,1-Dichloroethene
Concen: 99.762 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 96 Resp: 250255

Ion	Ratio	Lower	Upper
96	100		
61	168.1	135.2	202.8
98	62.4	51.4	77.2





#13
Acrolein
Concen: 78.325 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 56 Resp: 1028

Ion	Ratio	Lower	Upper
56	100		
55	69.8	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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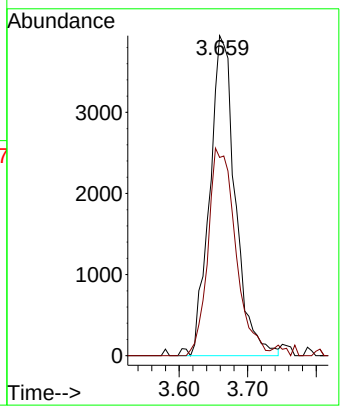
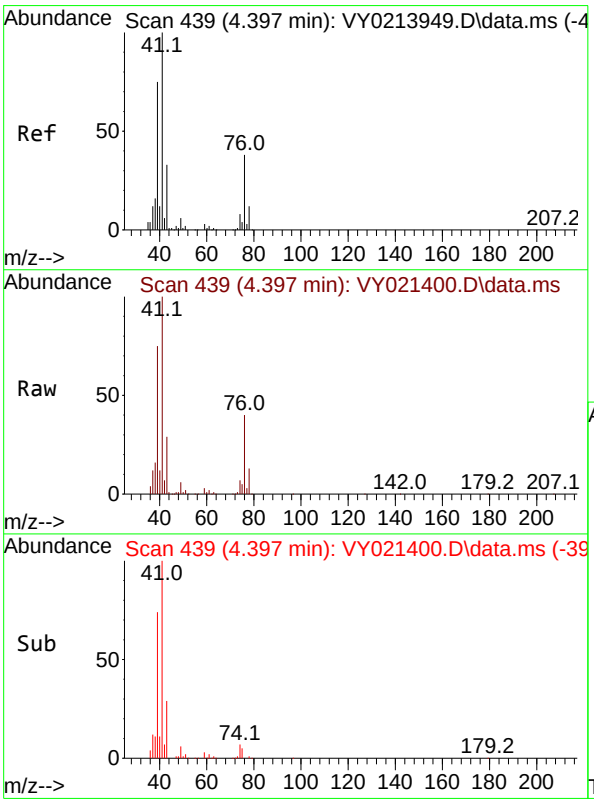
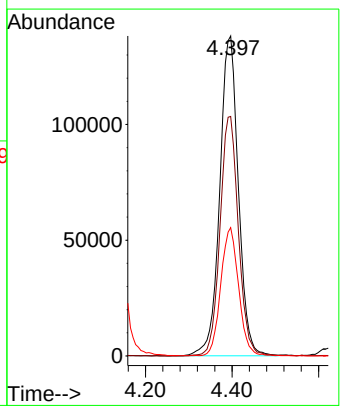


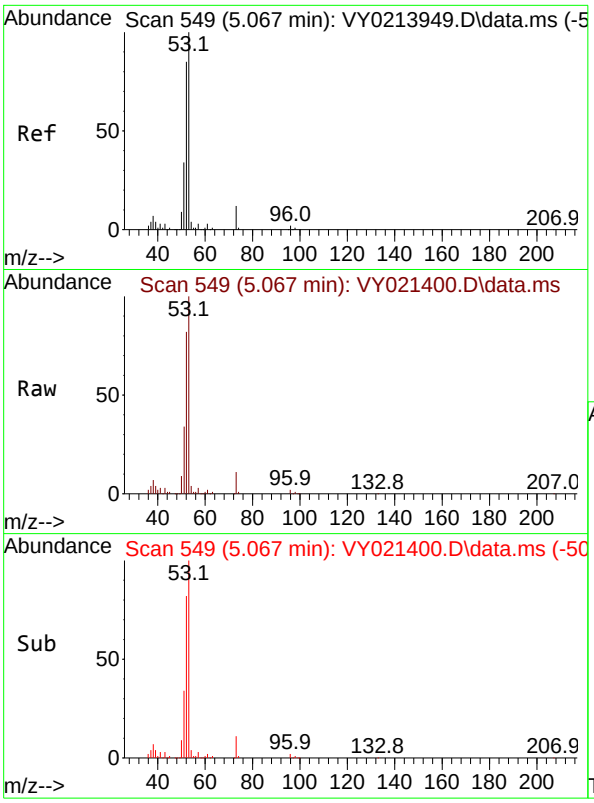


#14
Allyl chloride
Concen: 102.051 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 41 Resp: 413704

Ion	Ratio	Lower	Upper
41	100		
39	74.0	59.3	88.9
76	38.3	29.8	44.8





#15
Acrylonitrile
Concen: 478.287 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 53 Resp: 271919

Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.3	99.5
51	37.0	30.3	45.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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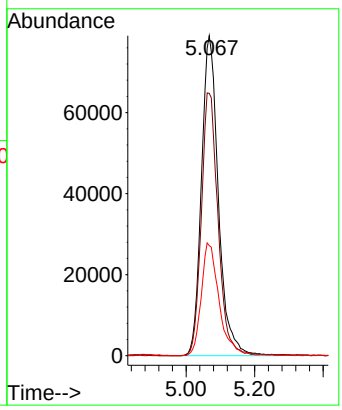
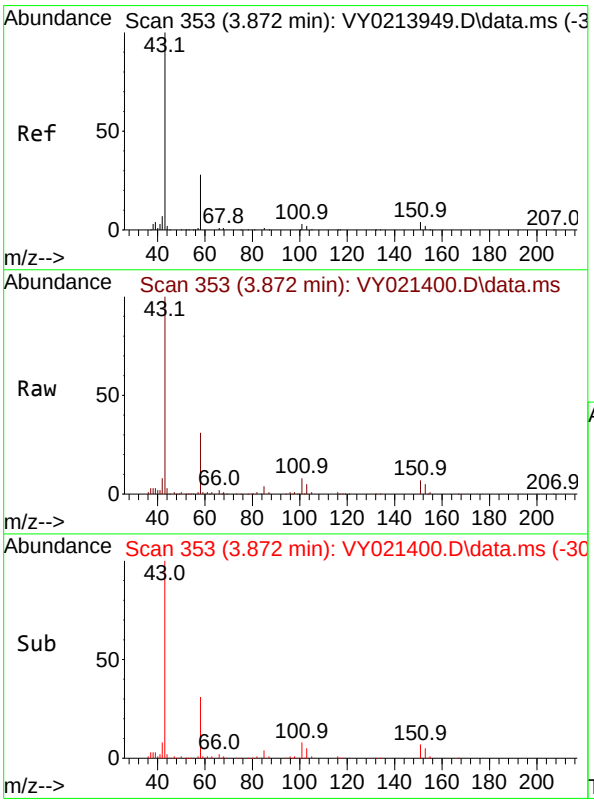
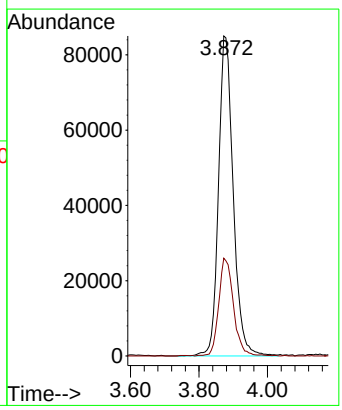


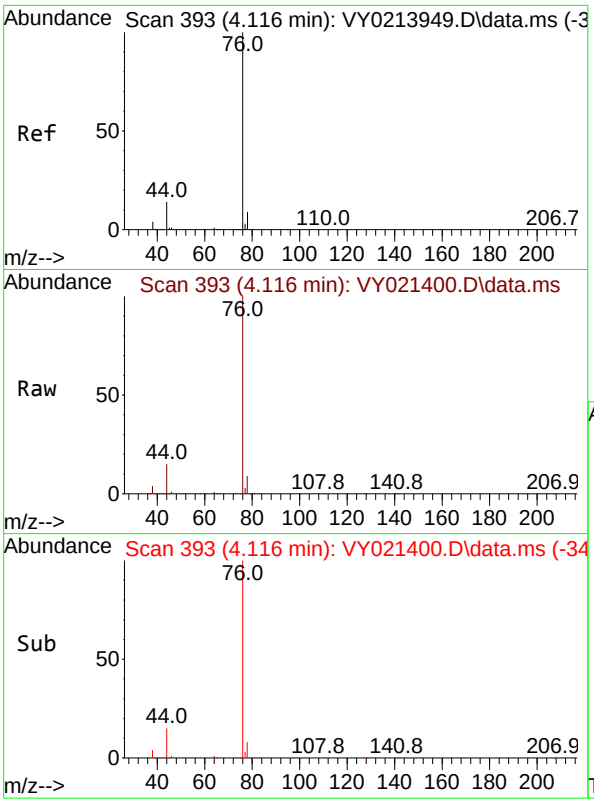


#16
Acetone
Concen: 447.711 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 43 Resp: 252046

Ion	Ratio	Lower	Upper
43	100		
58	30.5	22.1	33.1





#17
Carbon Disulfide
Concen: 100.521 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 76 Resp: 79025

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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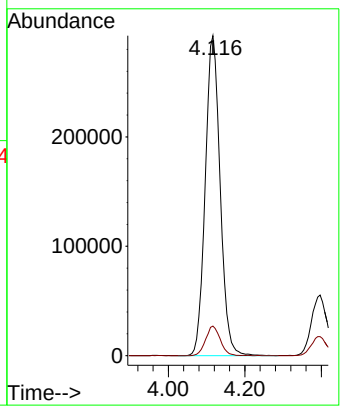
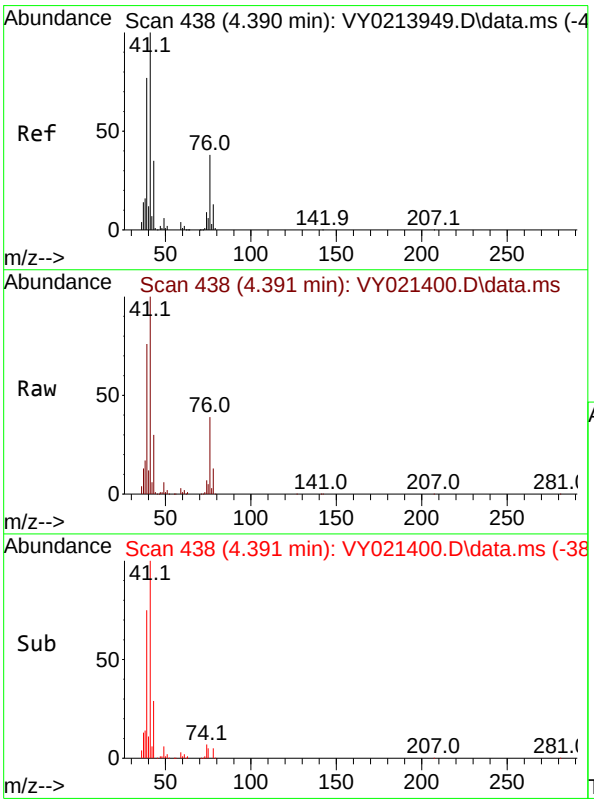
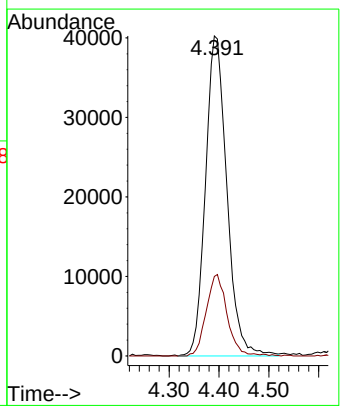


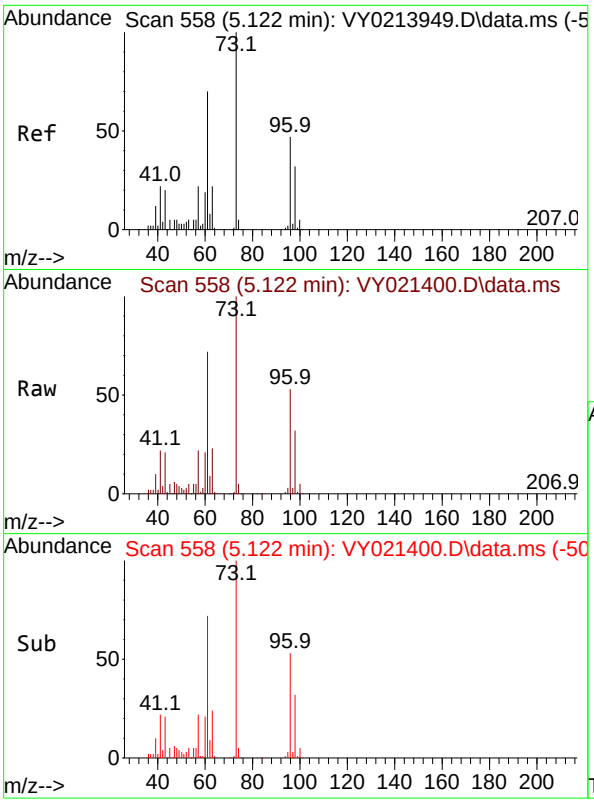


#18
Methyl Acetate
Concen: 95.992 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 43 Resp: 119905

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.4	29.0

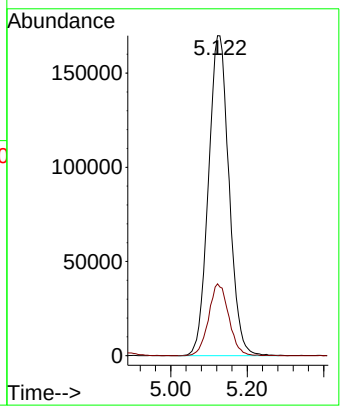




#19
Methyl tert-butyl Ether
Concen: 99.817 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 73 Resp: 63464

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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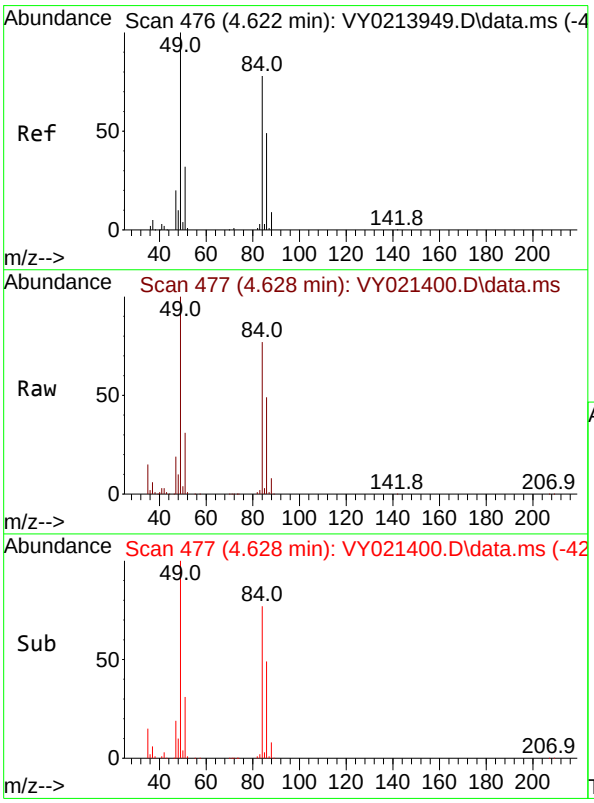
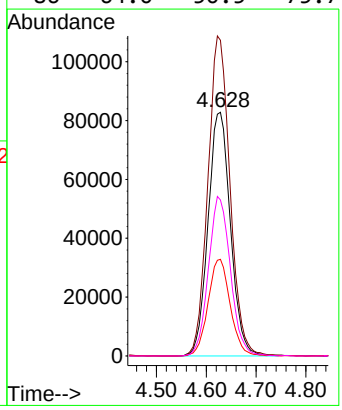
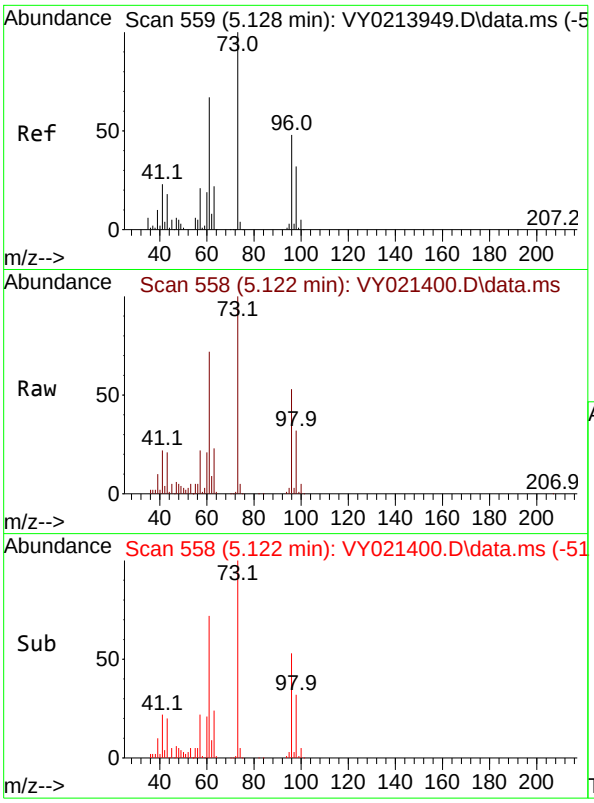


#20
Methylene Chloride
Concen: 87.531 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 84 Resp: 258664

Ion	Ratio	Lower	Upper
84	100		
49	129.5	102.0	153.0
51	39.6	33.0	49.6
86	64.0	50.5	75.7

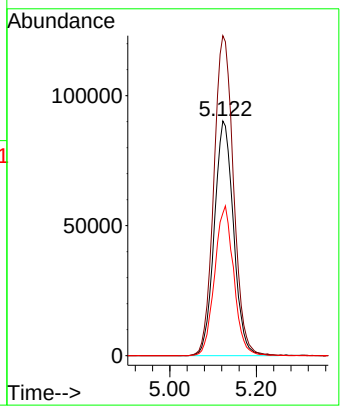




#21
trans-1,2-Dichloroethene
Concen: 99.104 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 96 Resp: 27841

Ion	Ratio	Lower	Upper
96	100		
61	136.3	111.5	167.3
98	60.6	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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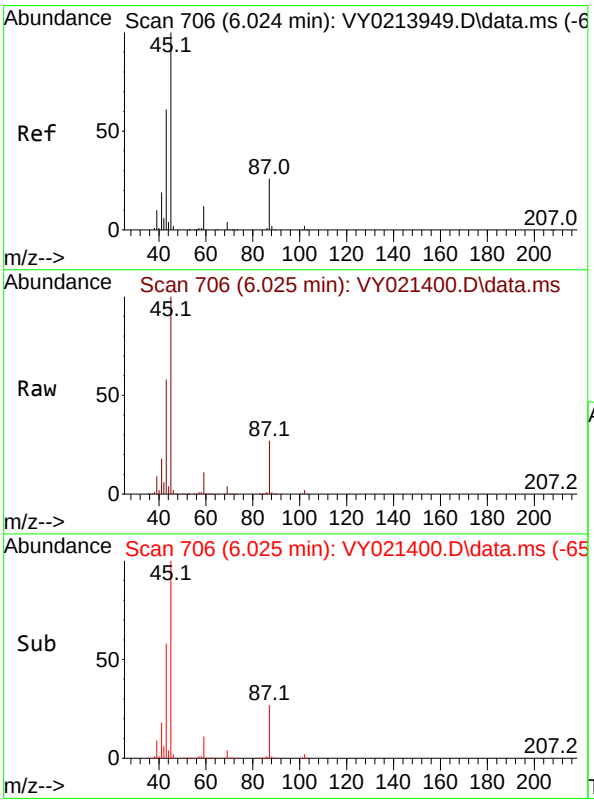
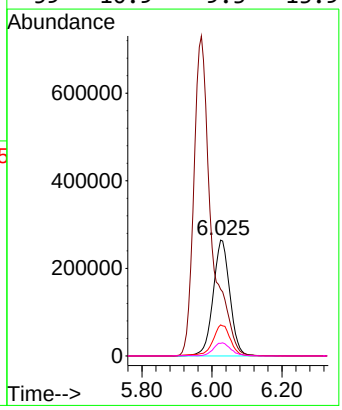
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

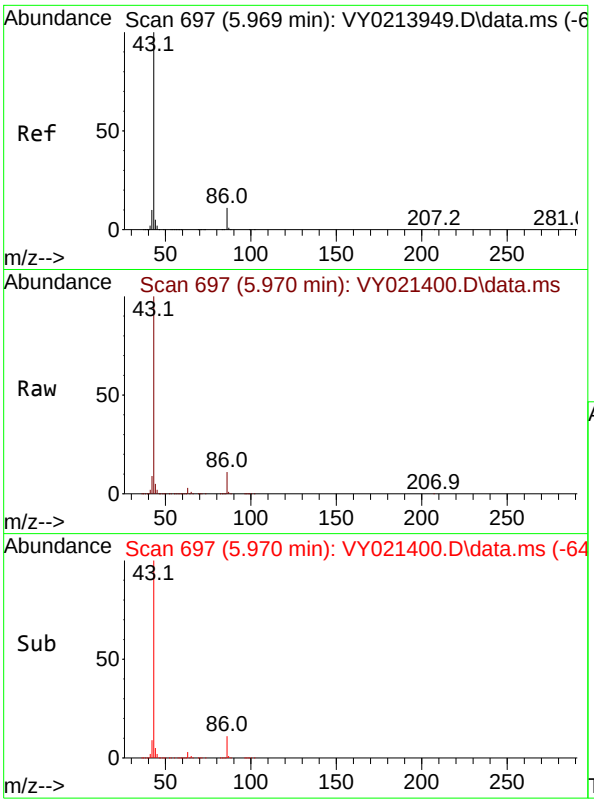


#22
Diisopropyl ether
Concen: 100.510 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 45 Resp: 878111

Ion	Ratio	Lower	Upper
45	100		
43	57.4	48.7	73.1
87	26.8	21.5	32.3
59	10.9	9.3	13.9





#23
Vinyl Acetate
Concen: 505.518 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 43 Resp: 252051

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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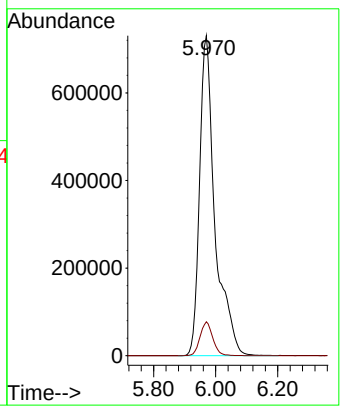
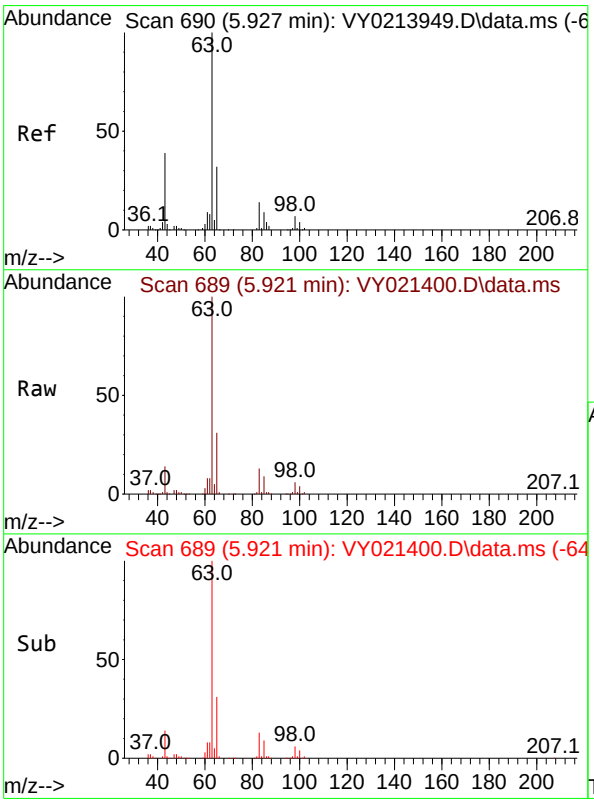
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

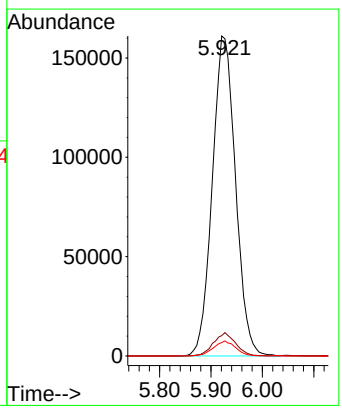


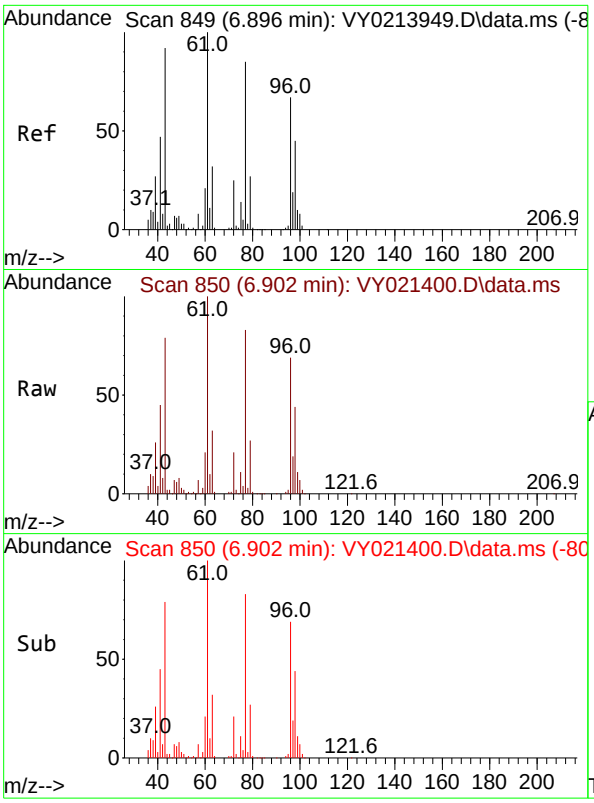


#24
1,1-Dichloroethane
Concen: 98.056 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 63 Resp: 505607

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.3	9.9
100	4.2	2.1	6.5





#25
2-Butanone
Concen: 466.248 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 43 Resp: 36309

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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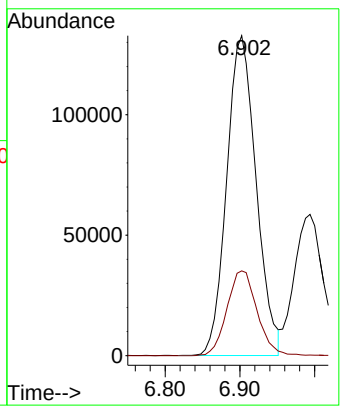
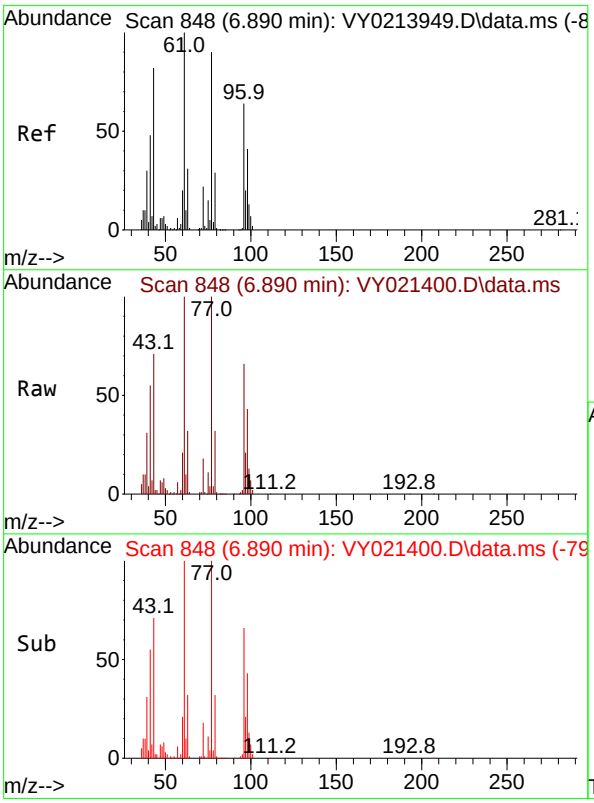
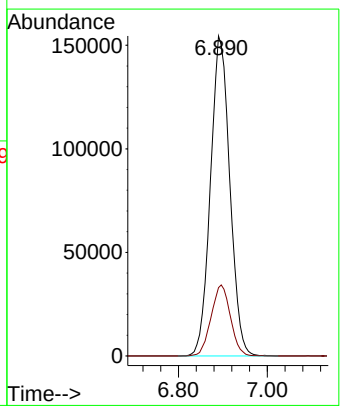


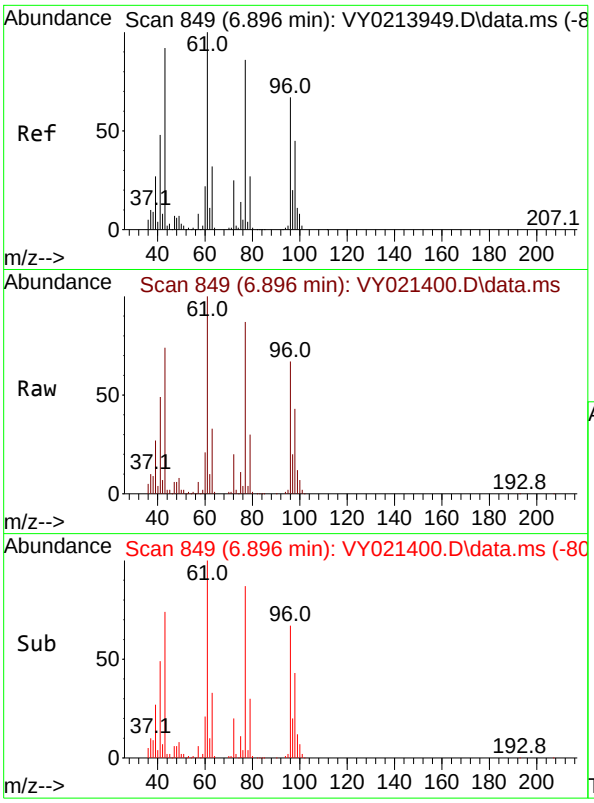


#26
2,2-Dichloropropane
Concen: 98.362 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 77 Resp: 466669

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 100.724 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 96 Resp: 32146

Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	300.8
98	64.2	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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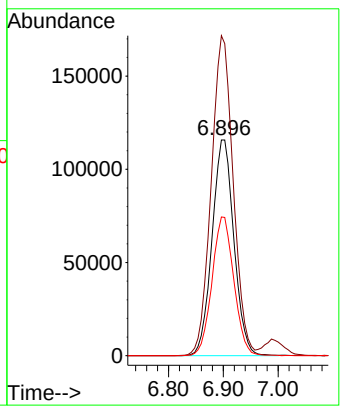
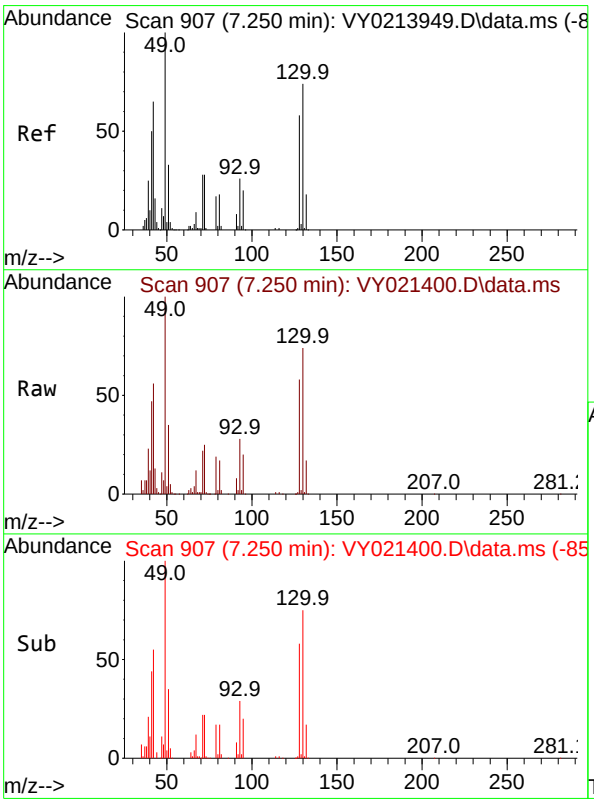
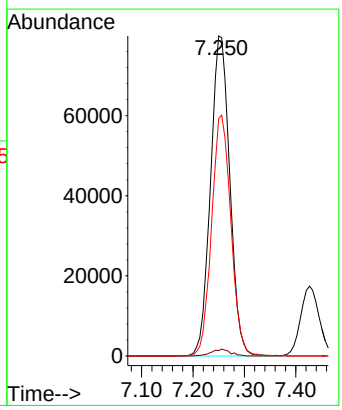


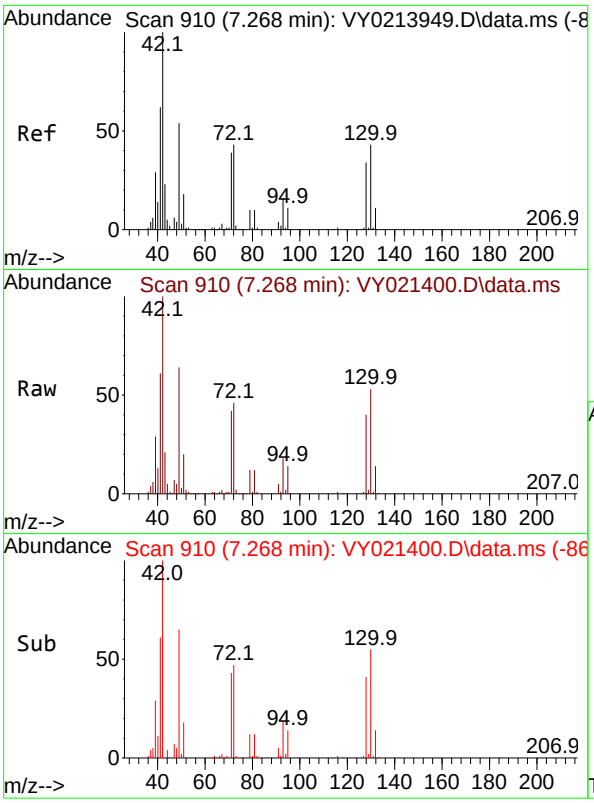


#28
Bromochloromethane
Concen: 96.281 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 49 Resp: 208133

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	75.1	59.6	89.4

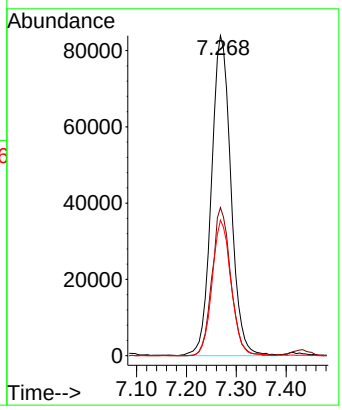




#29
Tetrahydrofuran
Concen: 474.960 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 42 Resp: 22834

Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.8	52.2
71	41.1	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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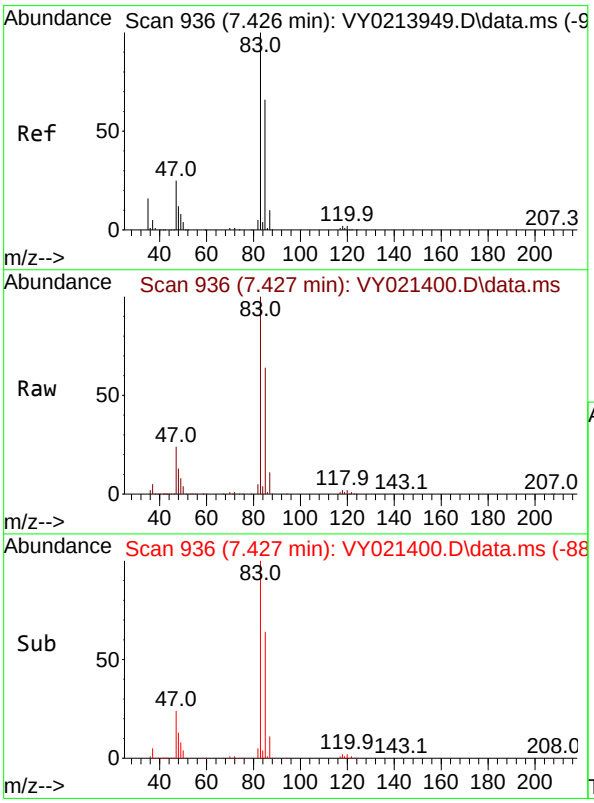
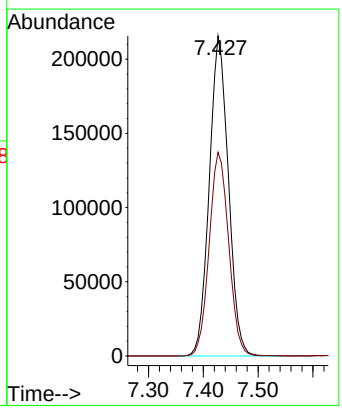
Supervised By :Semsettin Yesilyurt 03/06/2025

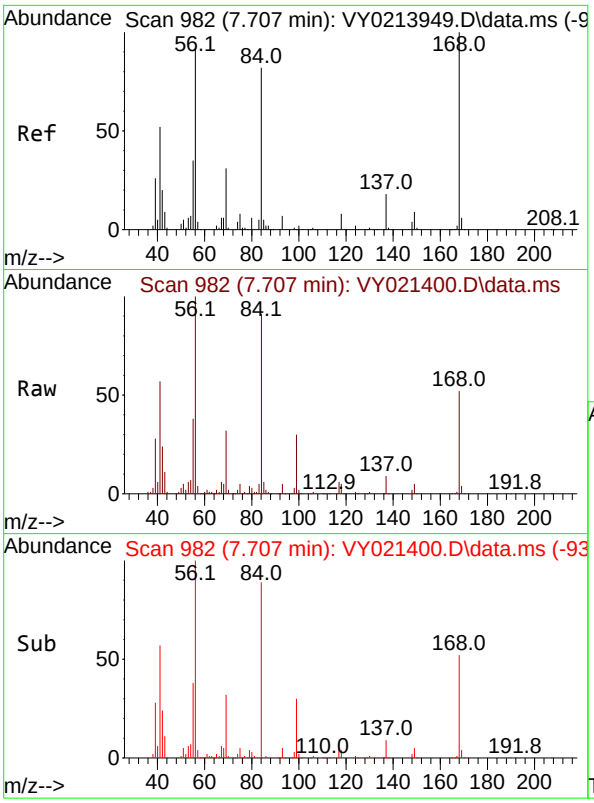


#30
Chloroform
Concen: 97.270 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 83 Resp: 520812

Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.1	79.7





#31
Cyclohexane
Concen: 95.275 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 56 Resp: 46056

Ion	Ratio	Lower	Upper
56	100		
69	31.7	27.0	40.4
84	89.7	71.1	106.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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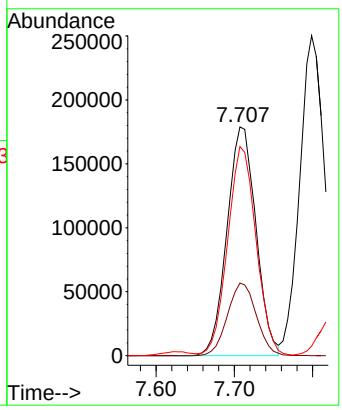
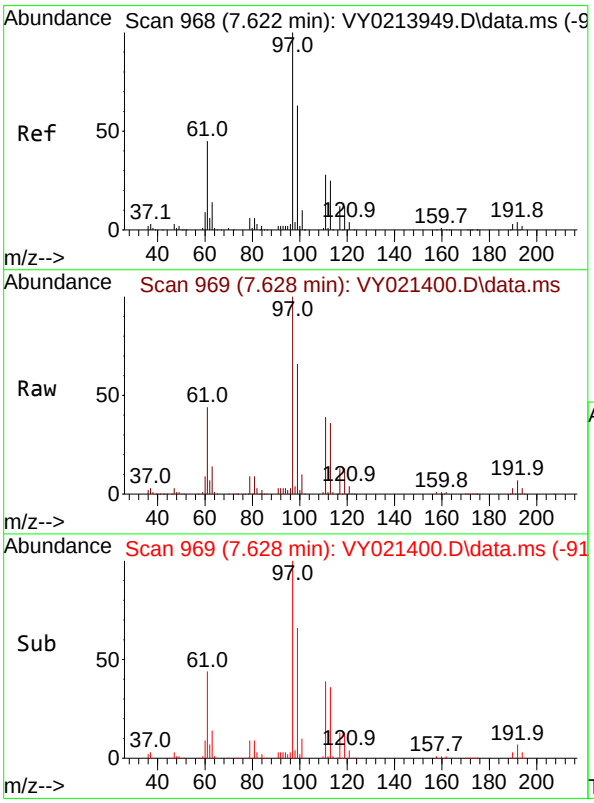
Supervised By :Semsettin Yesilyurt 03/06/2025

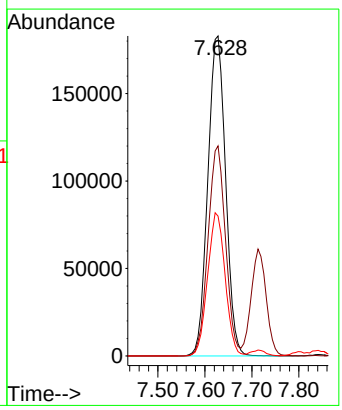


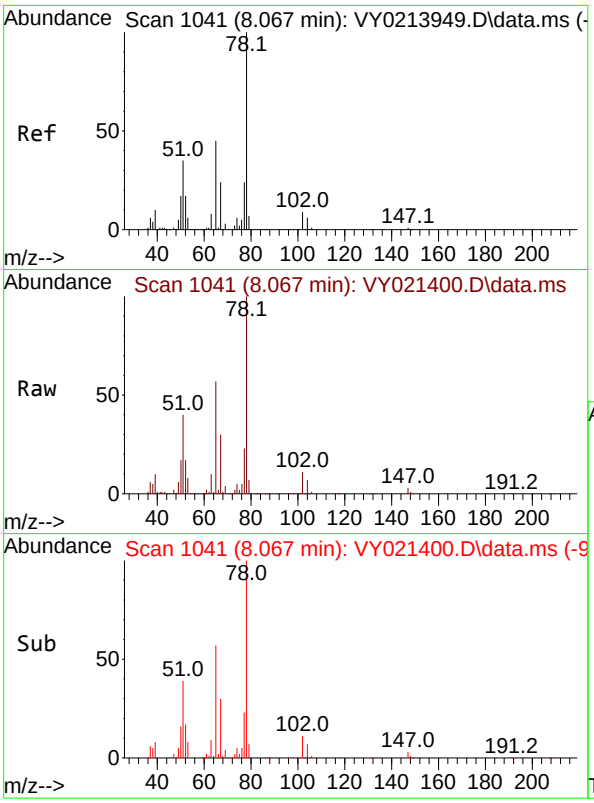


#32
1,1,1-Trichloroethane
Concen: 97.941 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 97 Resp: 480163

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	44.2	35.7	53.5





#33
1,2-Dichloroethane-d4
Concen: 96.666 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 65 Resp: 24950

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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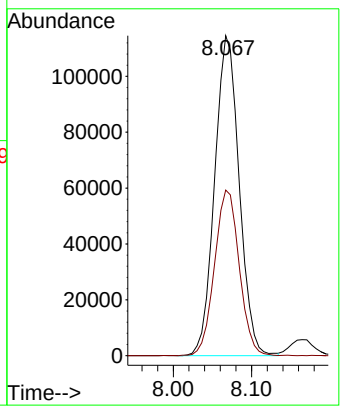
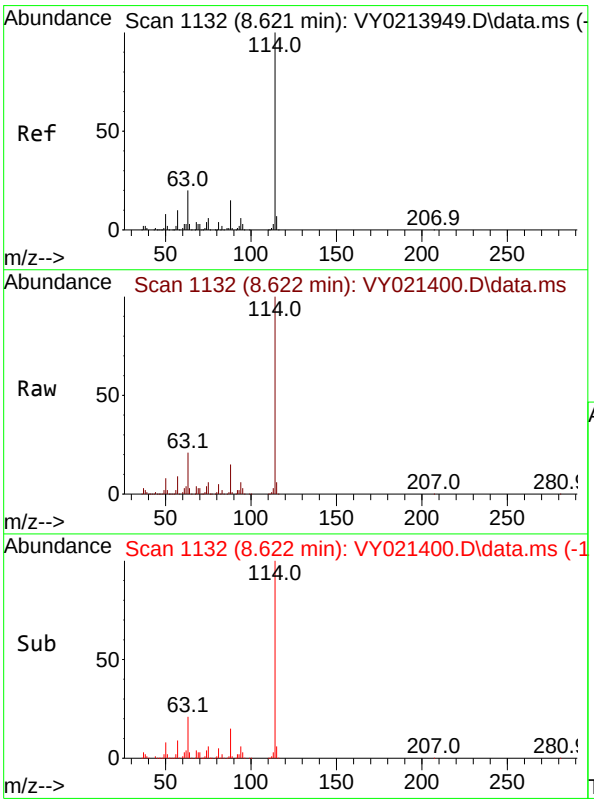
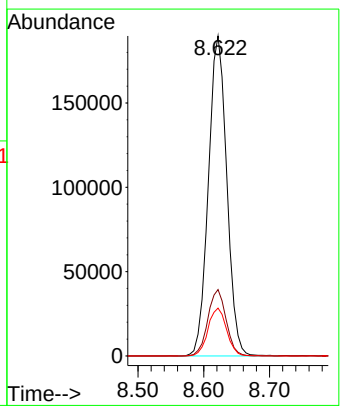


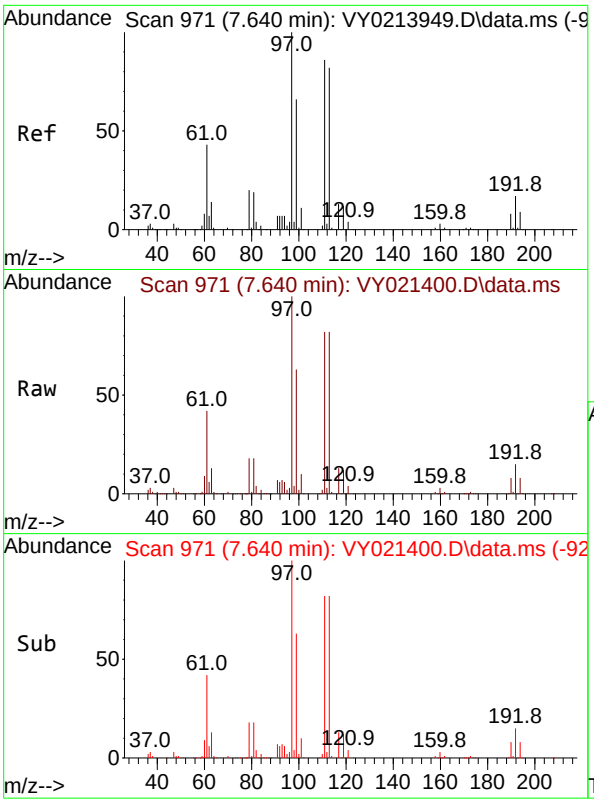


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:114 Resp: 369748

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	14.9	0.0	30.8

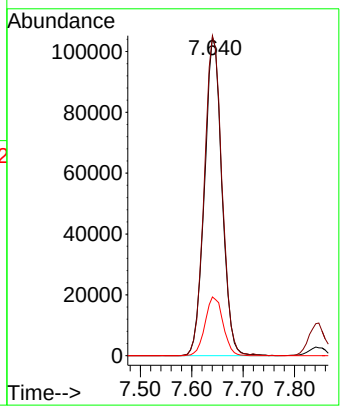




#35
Dibromofluoromethane
Concen: 100.930 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:113 Resp: 24530

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	19.1	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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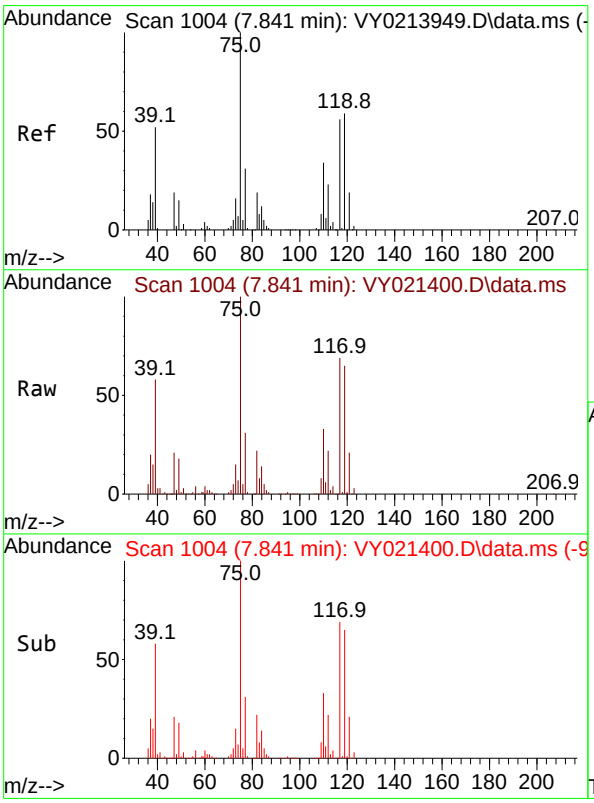
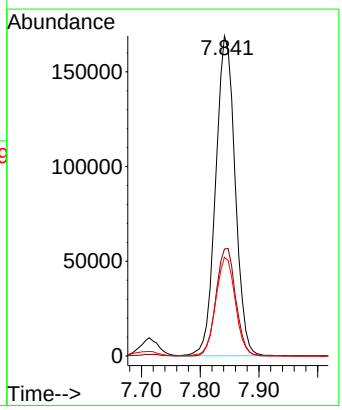
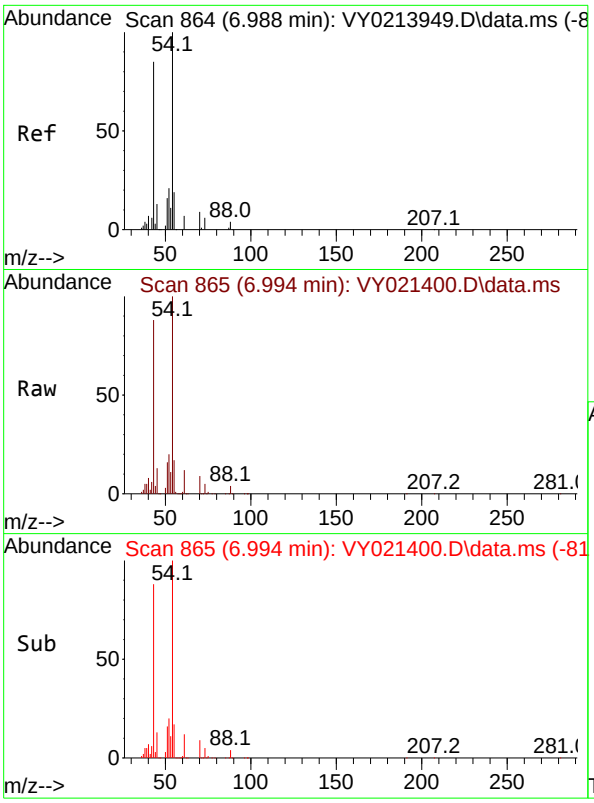


#36
1,1-Dichloropropene
Concen: 102.089 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 75 Resp: 388384

Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.3	51.7
77	31.2	25.4	38.2





#37
Ethyl Acetate
Concen: 94.621 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 43 Resp: 16238

Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.4	17.0
70	10.0	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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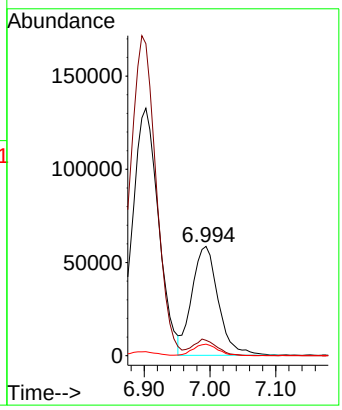
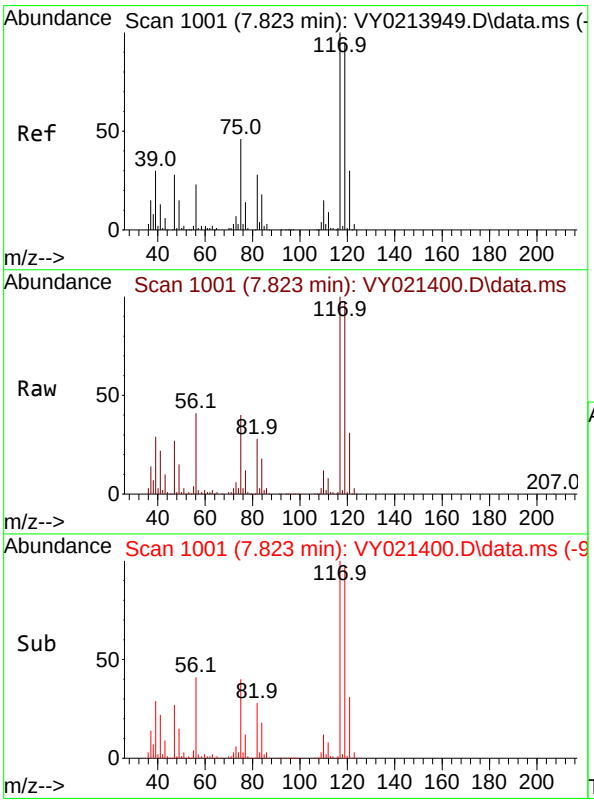
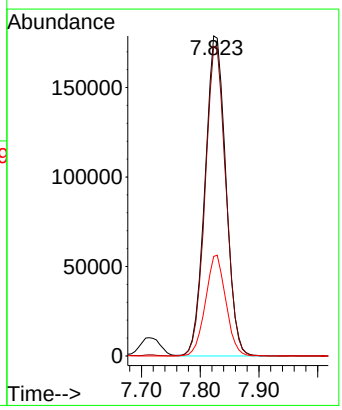


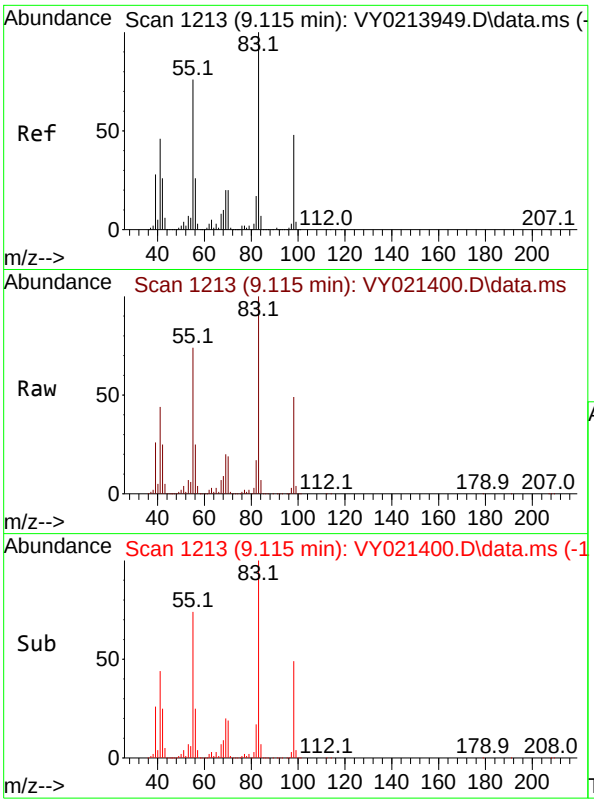


#38
Carbon Tetrachloride
Concen: 100.510 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:117 Resp: 439762

Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.8	113.8
121	31.1	23.9	35.9





#39
Methylcyclohexane
Concen: 107.827 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 83 Resp: 50317

Ion	Ratio	Lower	Upper
83	100		
55	73.9	60.7	91.1
98	48.6	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 03/06/2025
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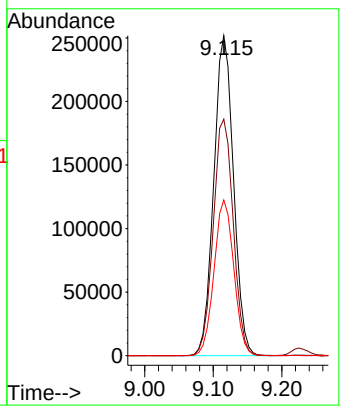
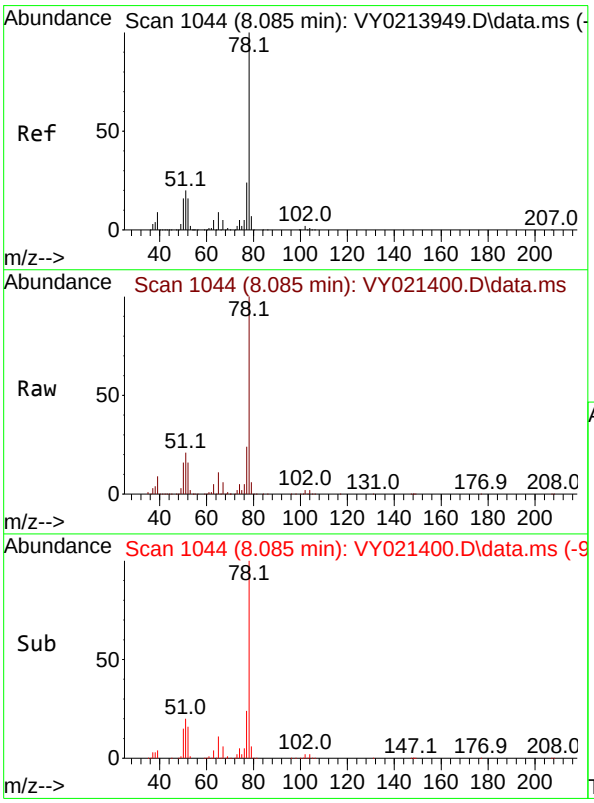
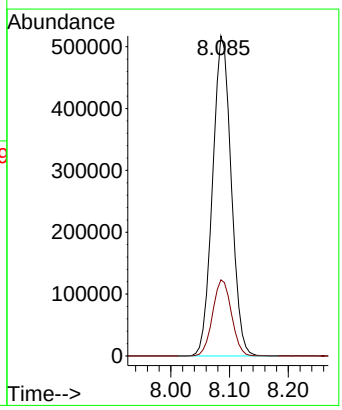


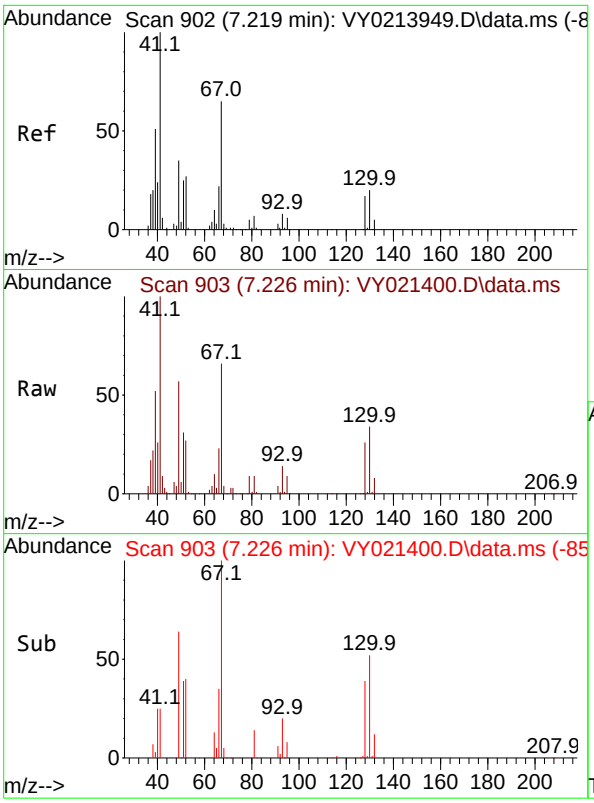


#40
Benzene
Concen: 101.621 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 78 Resp: 1138841

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4

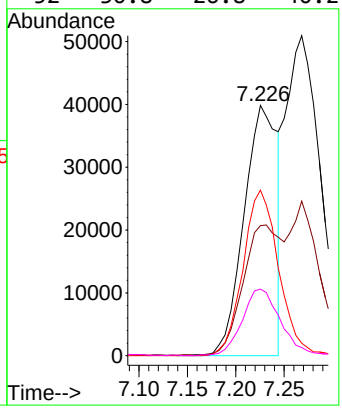




#41
Methacrylonitrile
Concen: 102.238 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 41 Resp: 9556

Ion	Ratio	Lower	Upper
41	100		
39	61.0	35.0	52.6
67	71.2	61.2	91.8
52	30.8	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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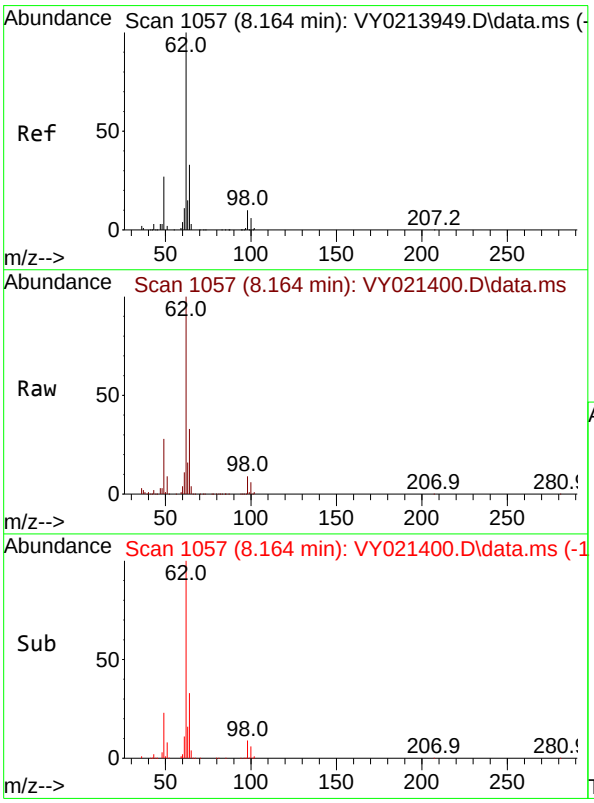
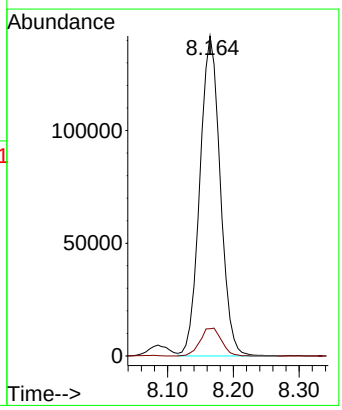
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

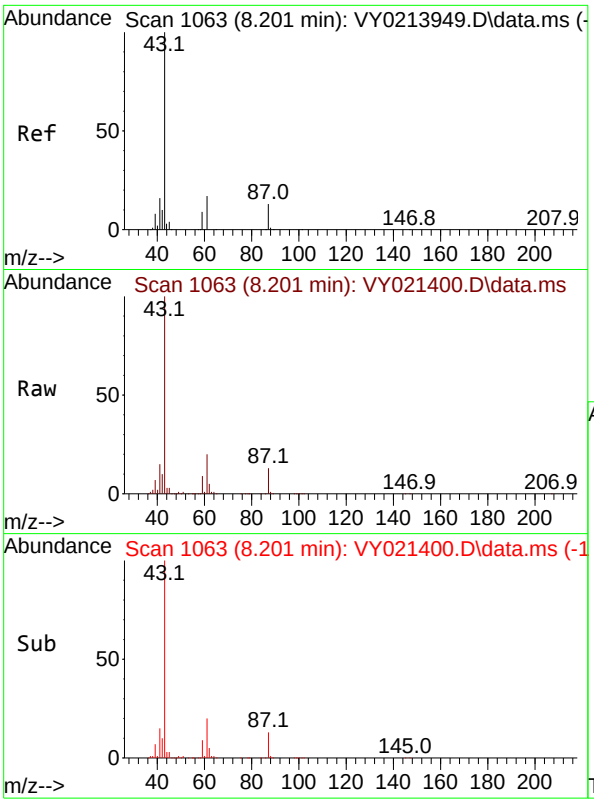


#42
1,2-Dichloroethane
Concen: 97.534 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 62 Resp: 305782

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2





#43
Isopropyl Acetate
Concen: 100.231 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 43 Resp: 32717

Ion	Ratio	Lower	Upper
43	100		
61	30.1	23.4	35.0
87	13.0	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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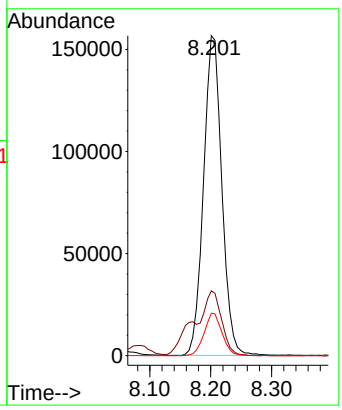
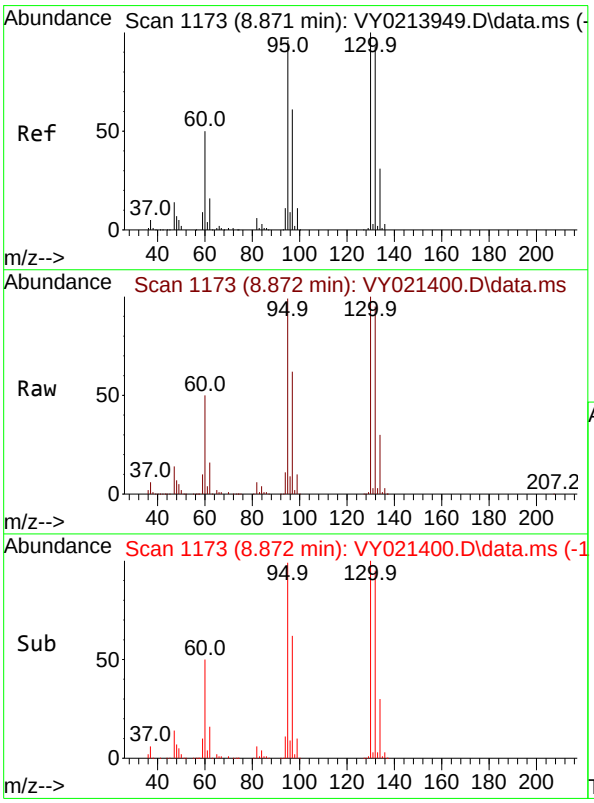
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

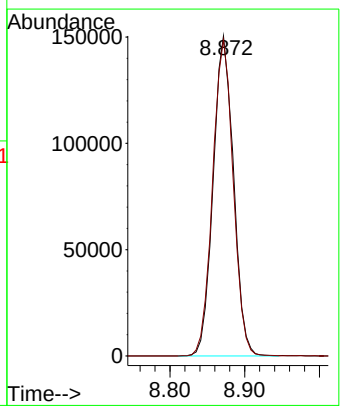


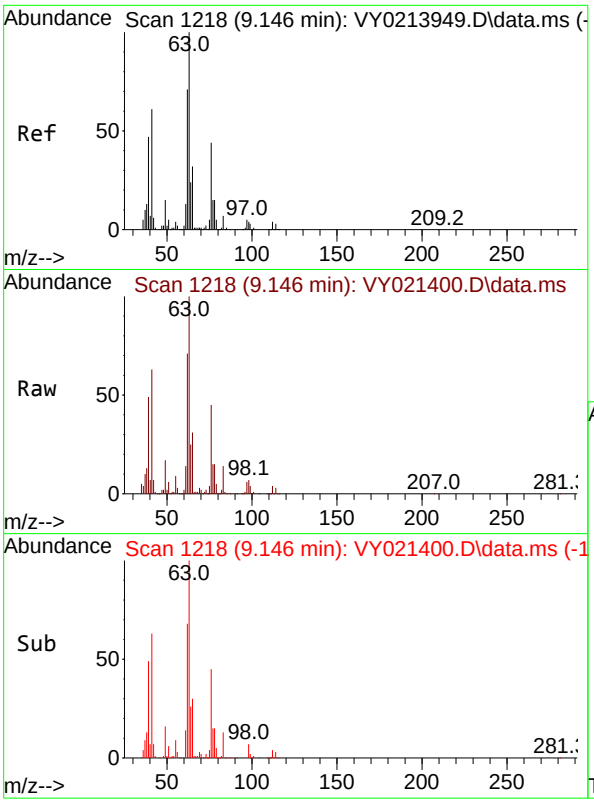


#44
Trichloroethene
Concen: 100.395 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:130 Resp: 284312

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	191.6

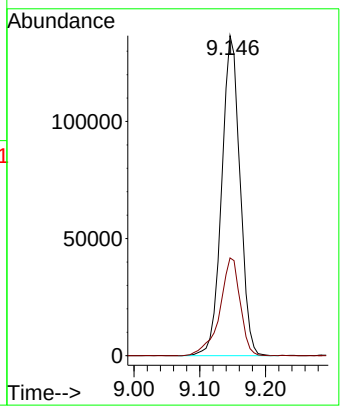




#45
1,2-Dichloropropane
Concen: 99.238 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 63 Resp: 26469

Ion	Ratio	Lower	Upper
63	100		
65	30.6	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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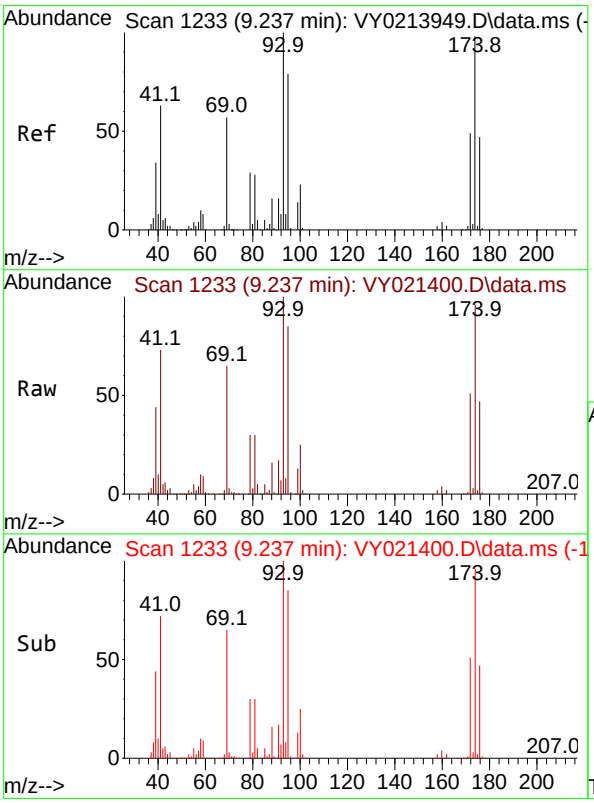
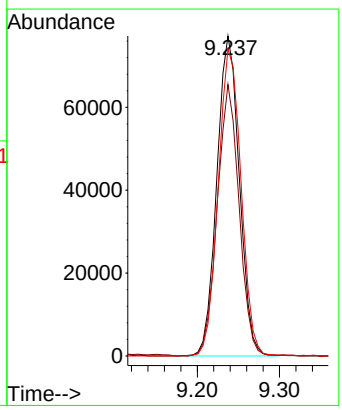
Supervised By :Semsettin Yesilyurt 03/06/2025

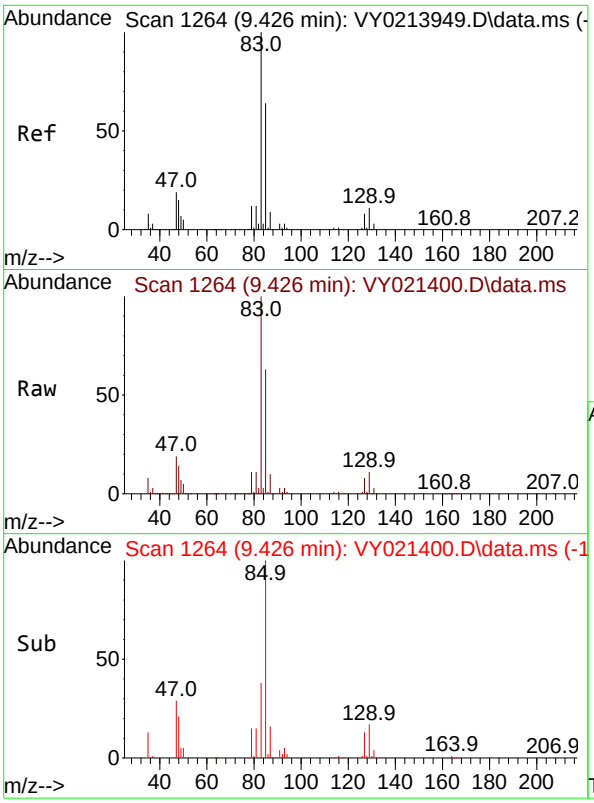


#46
Dibromomethane
Concen: 98.859 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 93 Resp: 146713

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.8	98.8
174	97.6	77.9	116.9

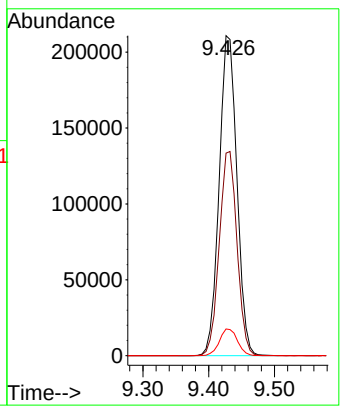




#47
Bromodichloromethane
Concen: 100.395 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 83 Resp: 39567

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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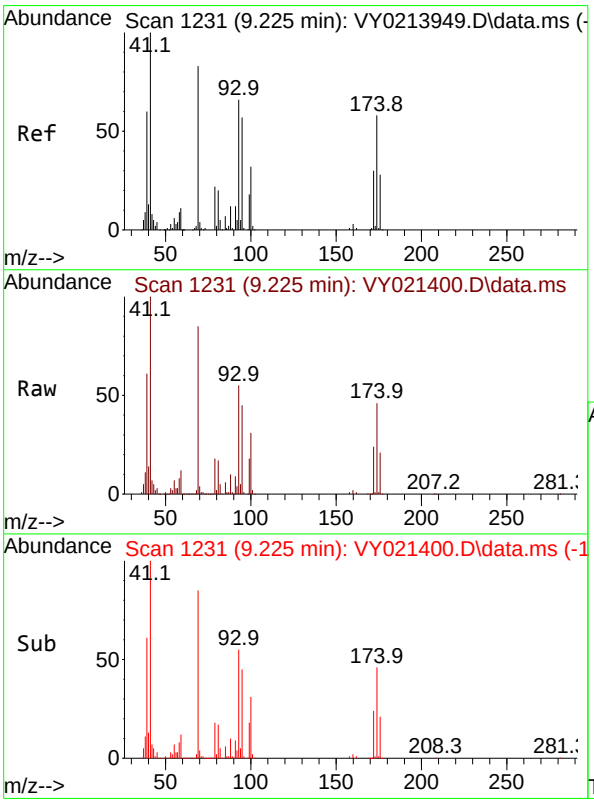
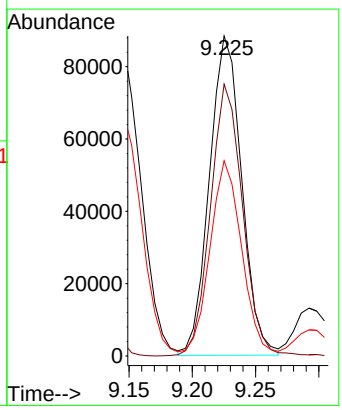
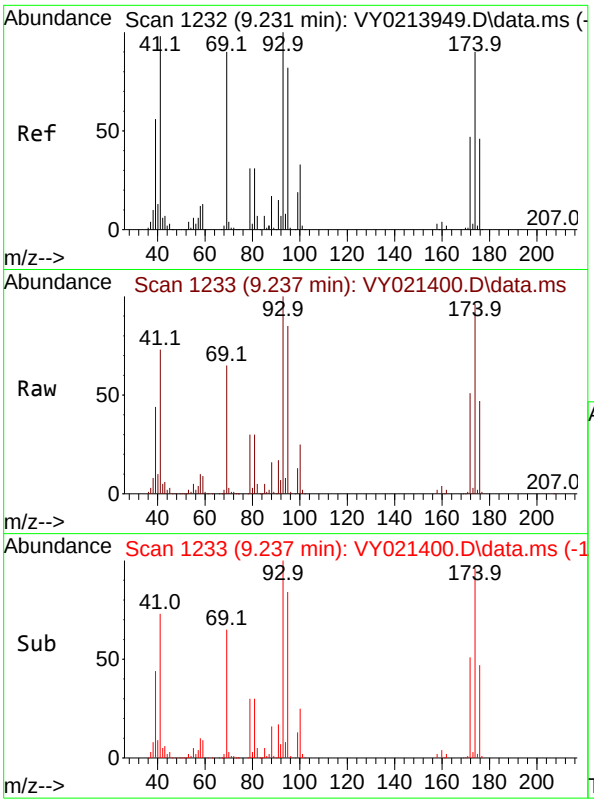


#48
Methyl methacrylate
Concen: 103.582 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 41 Resp: 156771

Ion	Ratio	Lower	Upper
41	100		
69	84.9	67.8	101.8
39	57.7	46.4	69.6





#49
1,4-Dioxane
Concen: 2052.779 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 88 Resp: 2990

Ion	Ratio	Lower	Upper
88	100		
43	34.6	25.0	37.4
58	71.6	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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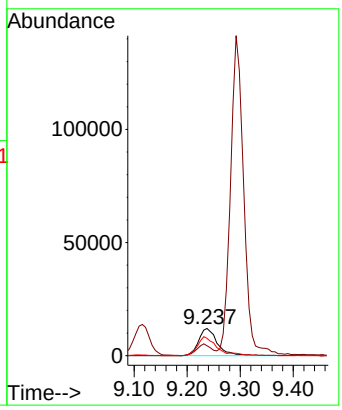
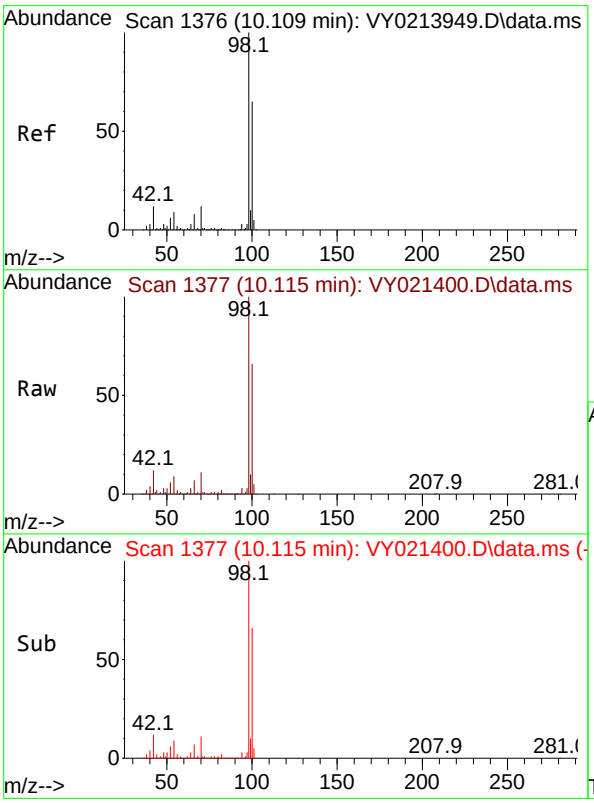
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

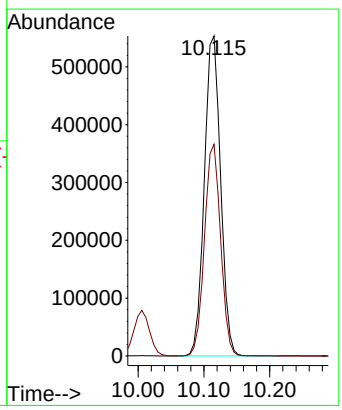


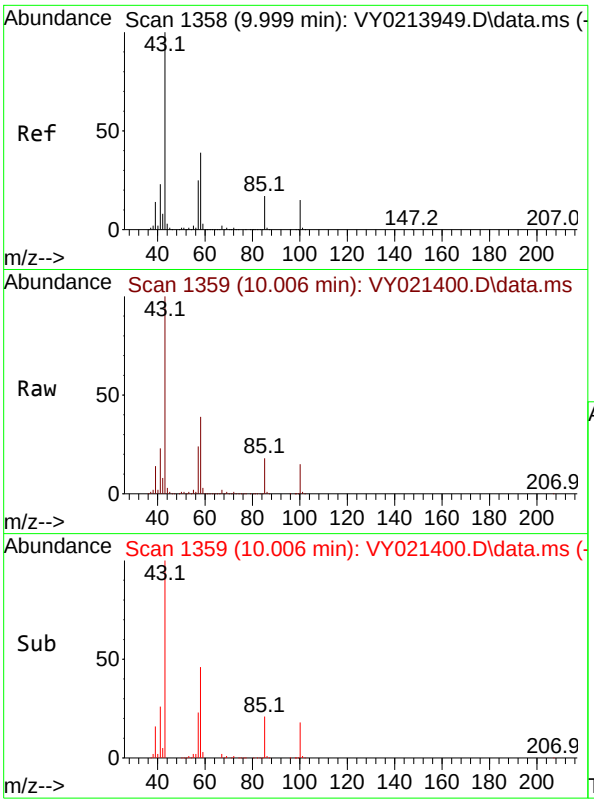


#50
Toluene-d8
Concen: 103.596 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 98 Resp: 953319

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 504.998 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 43 Resp: 85051

Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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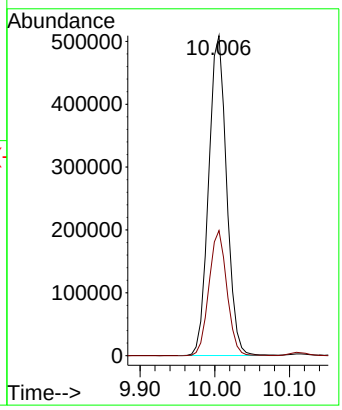
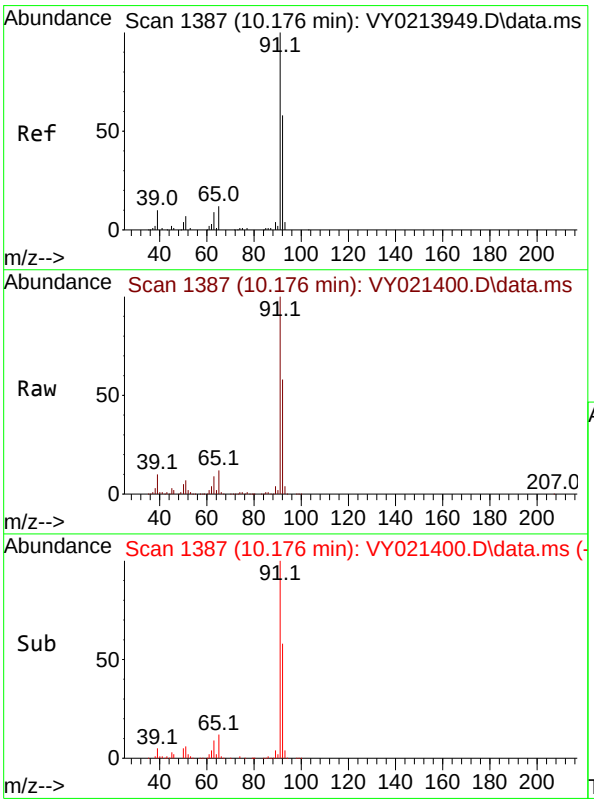
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

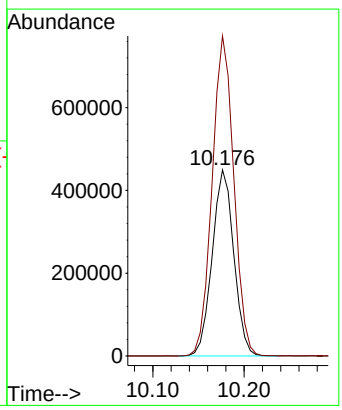


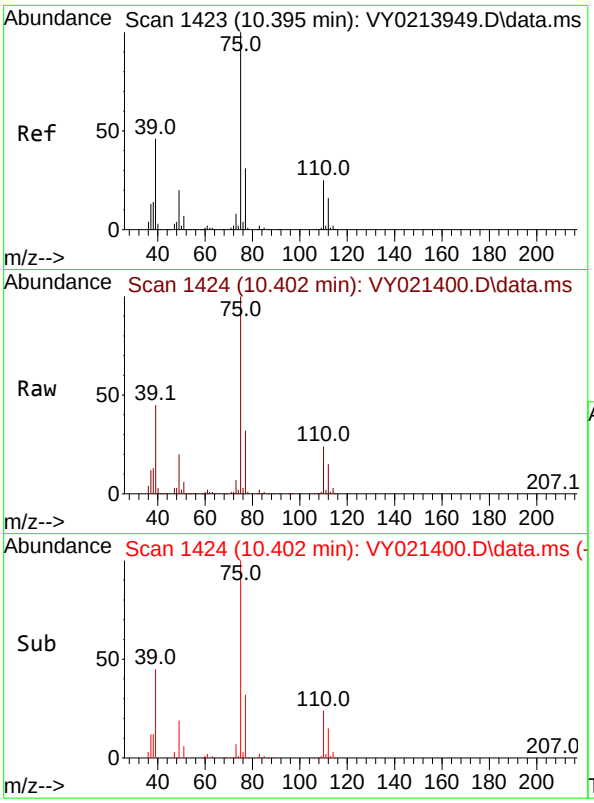


#52
Toluene
Concen: 104.377 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 92 Resp: 737467

Ion	Ratio	Lower	Upper
92	100		
91	172.8	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 105.356 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 75 Resp: 36582

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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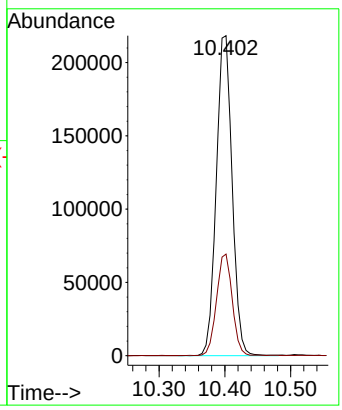
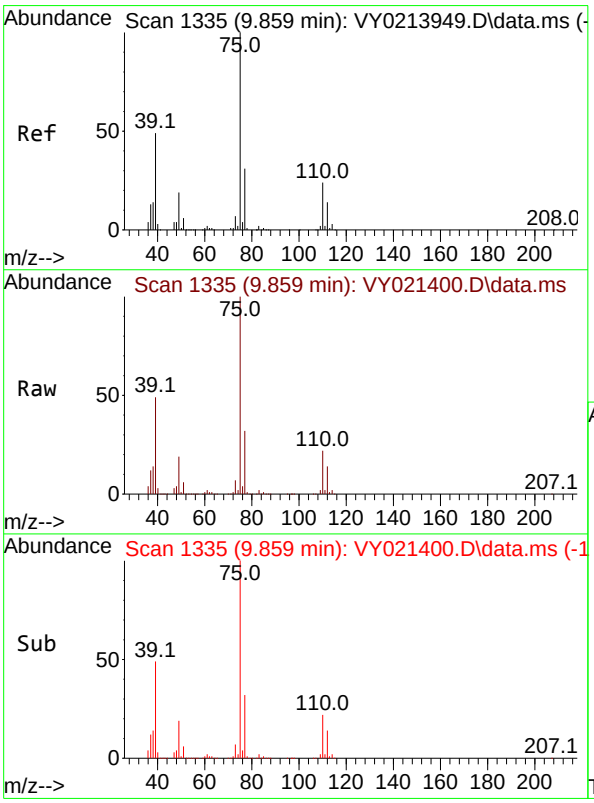
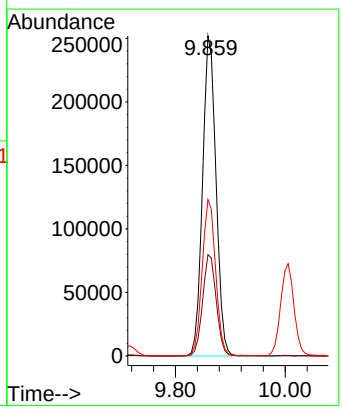


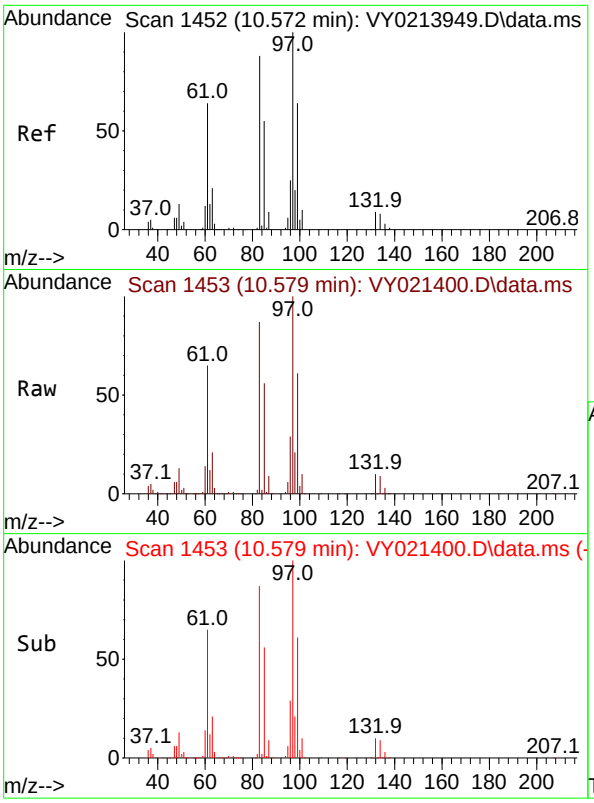


#54
cis-1,3-Dichloropropene
Concen: 103.894 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 75 Resp: 428305

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	37.0
39	48.8	39.4	59.2

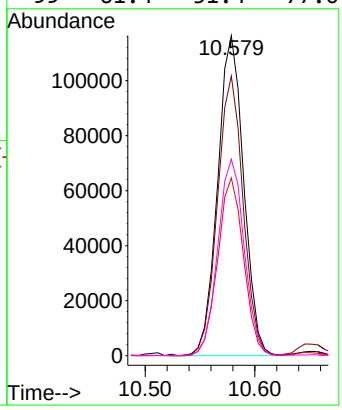




#55
1,1,2-Trichloroethane
Concen: 98.848 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 97 Resp: 19189

Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.0	105.0
85	55.5	44.3	66.5
99	61.4	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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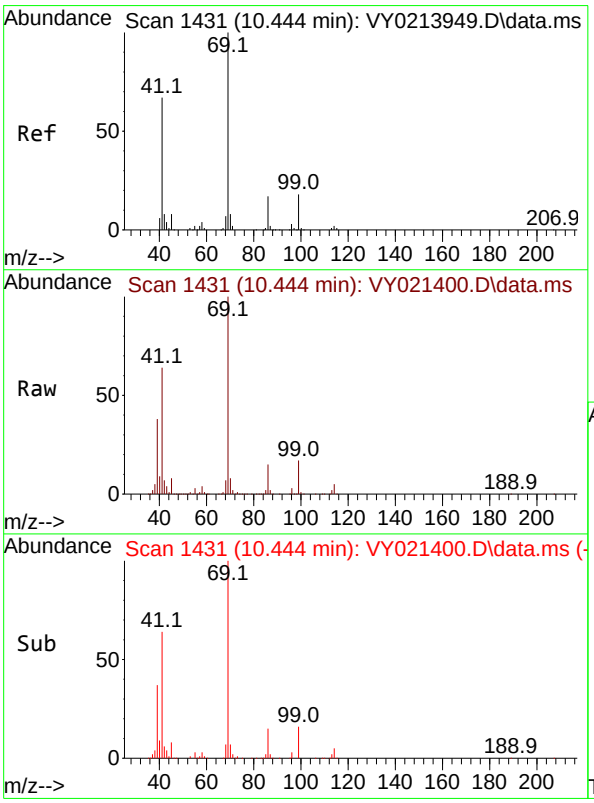
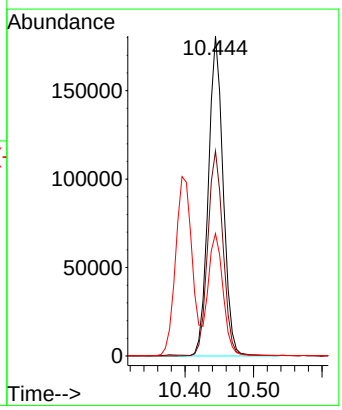
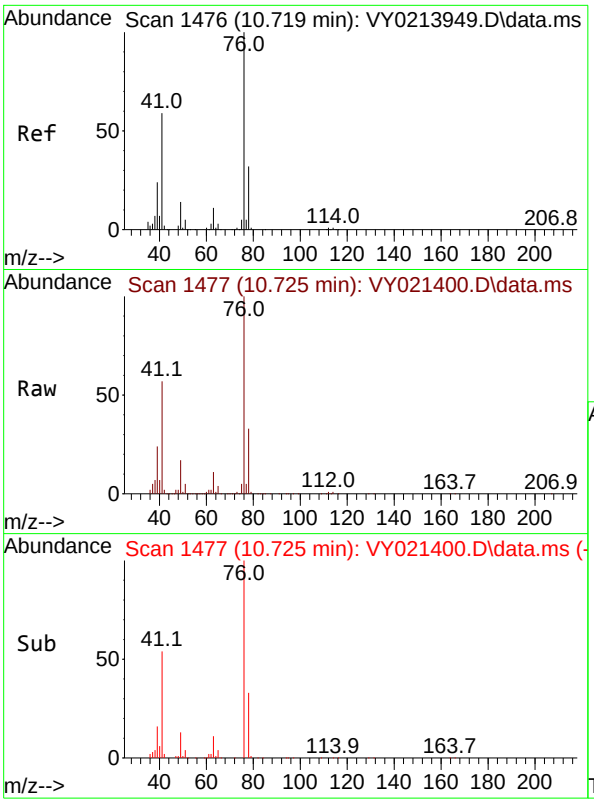


#56
Ethyl methacrylate
Concen: 109.699 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 69 Resp: 271599

Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.3	79.9
39	36.8	31.0	46.6

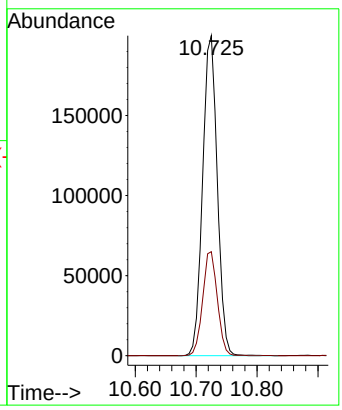




#57
1,3-Dichloropropane
Concen: 99.311 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 76 Resp: 33414

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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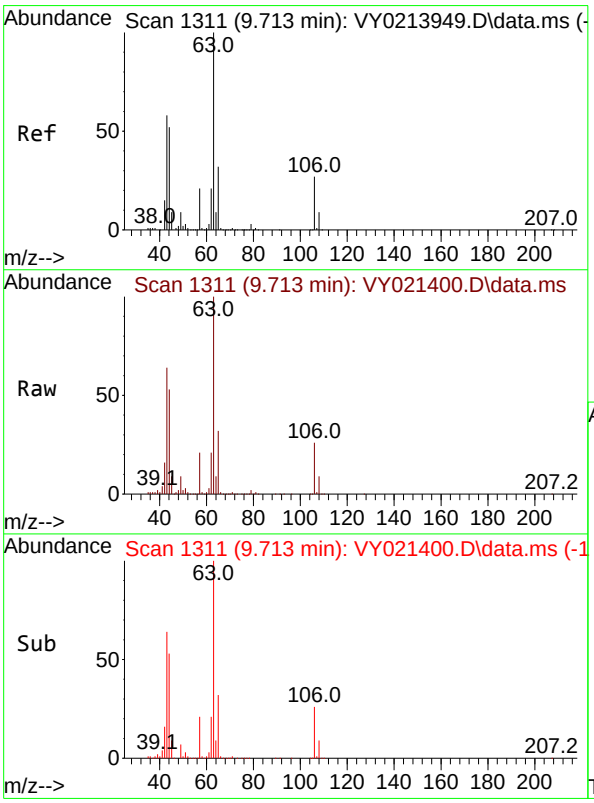
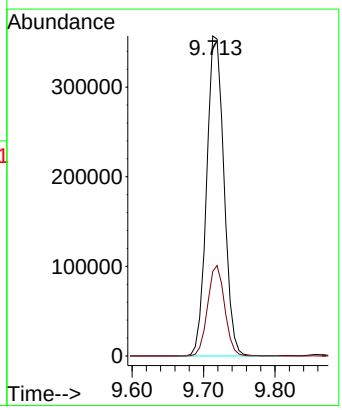
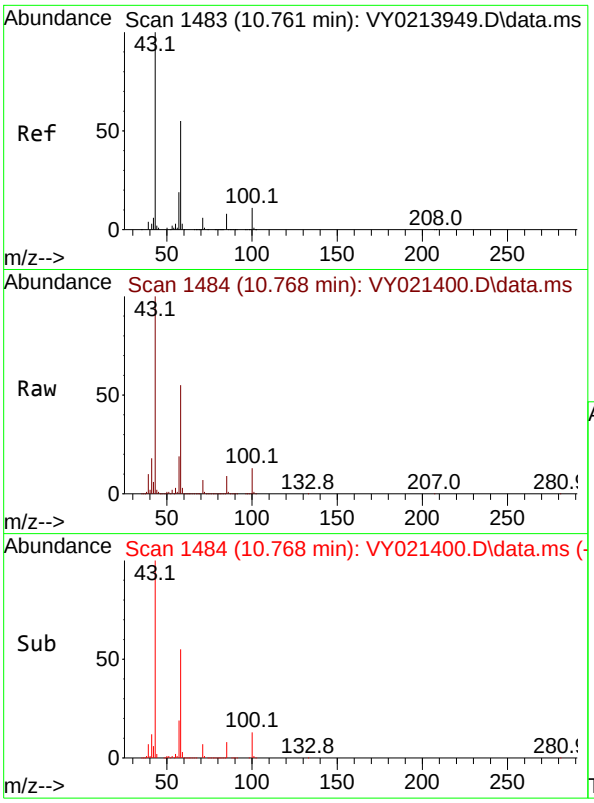


#58
2-Chloroethyl Vinyl ether
Concen: 525.670 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 63 Resp: 600796

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.1	33.1





#59
2-Hexanone
Concen: 516.516 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 43 Resp: 57521

Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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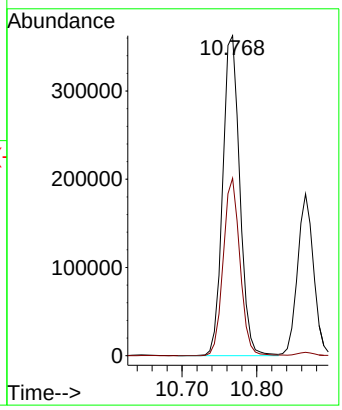
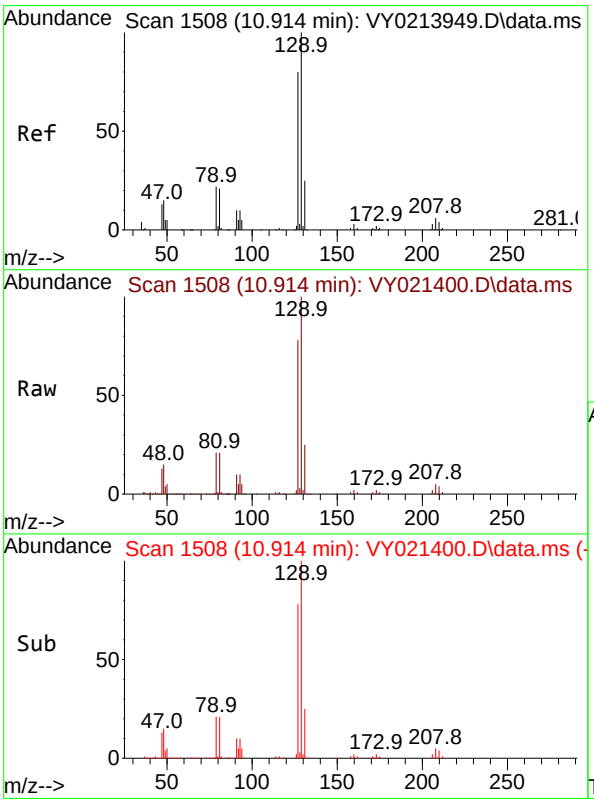
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

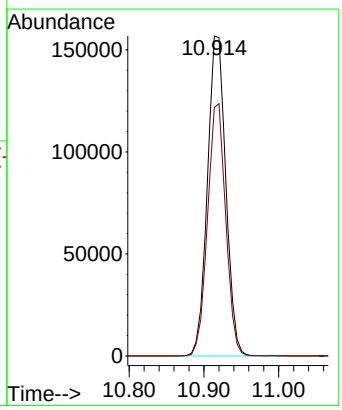


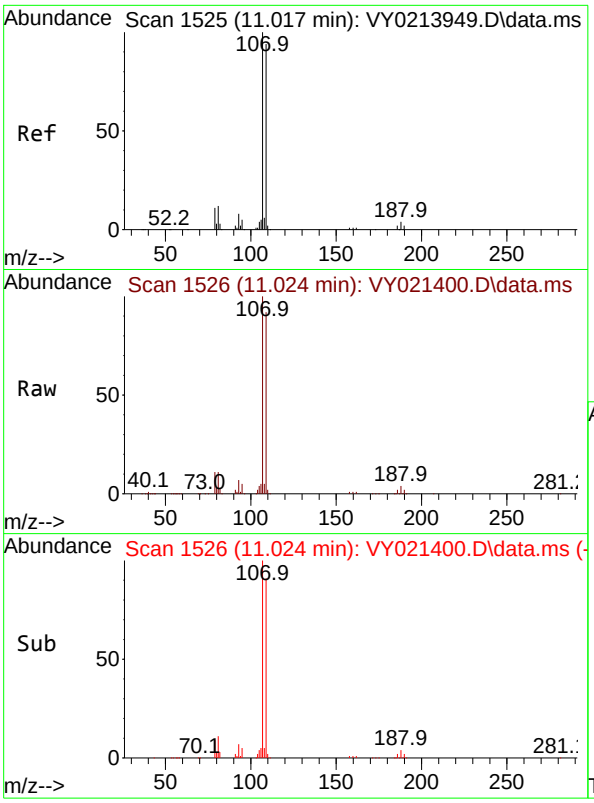


#60
Dibromochloromethane
Concen: 100.834 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:129 Resp: 268359

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.3





#61
1,2-Dibromoethane
Concen: 99.993 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:107 Resp: 18320

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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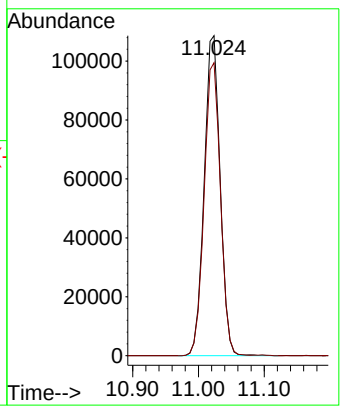
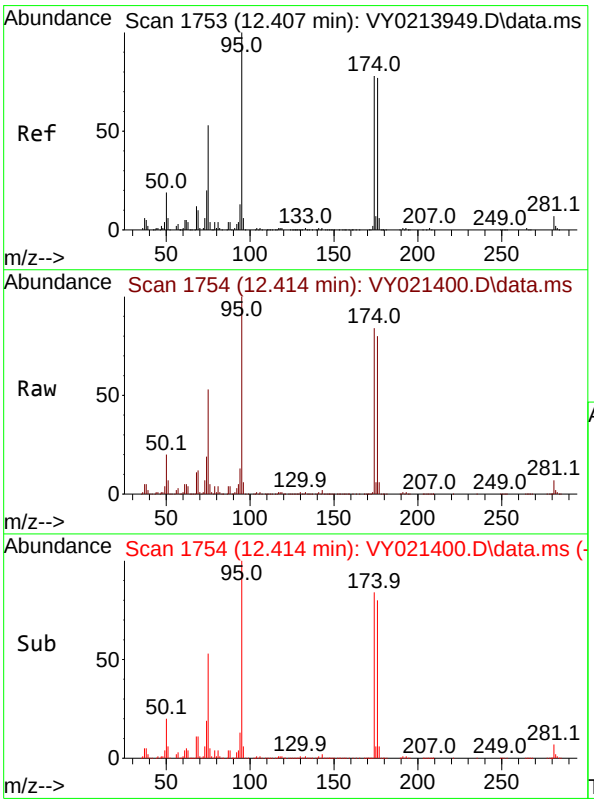
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

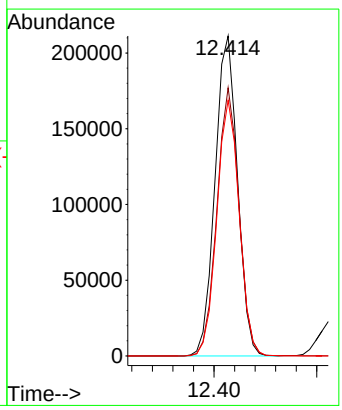


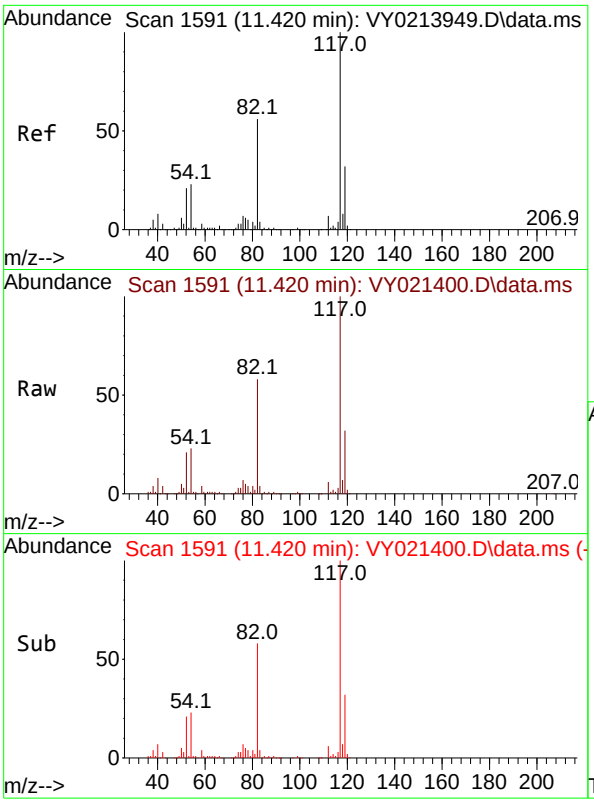


#62
4-Bromofluorobenzene
Concen: 102.231 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 95 Resp: 320008

Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	165.0
176	79.5	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:117 Resp: 32590

Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.6	67.0
119	32.4	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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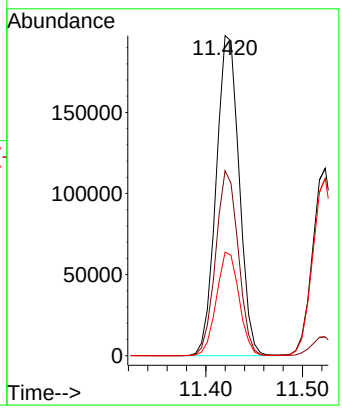
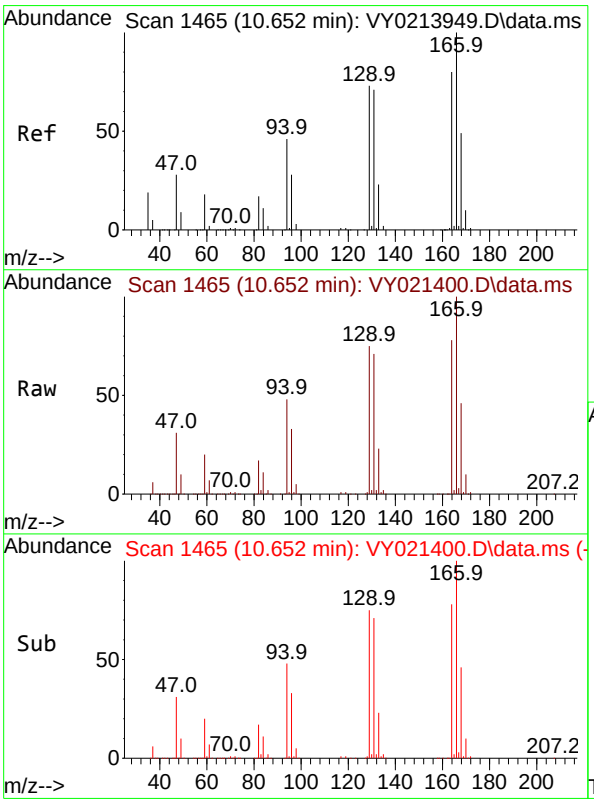
Supervised By :Semsettin Yesilyurt 03/06/2025

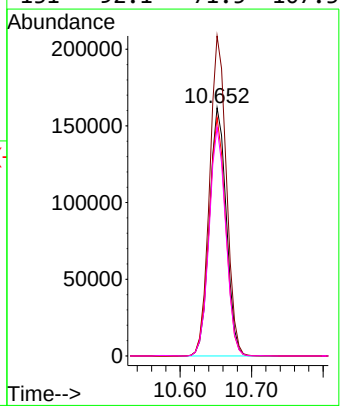


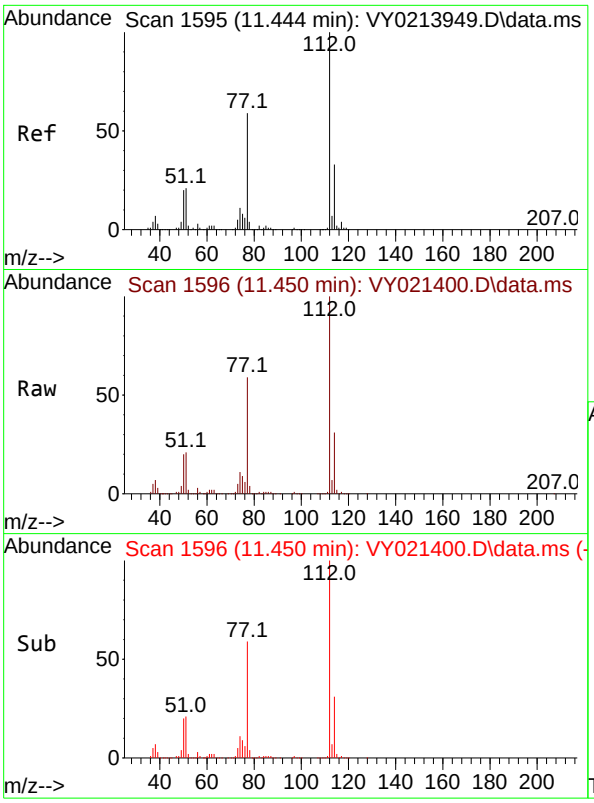


#64
Tetrachloroethene
Concen: 100.033 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:164 Resp: 265100

Ion	Ratio	Lower	Upper
164	100		
166	128.9	100.4	150.6
129	96.0	73.8	110.8
131	92.1	71.5	107.3





#65
Chlorobenzene
Concen: 100.956 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:112 Resp: 77696

Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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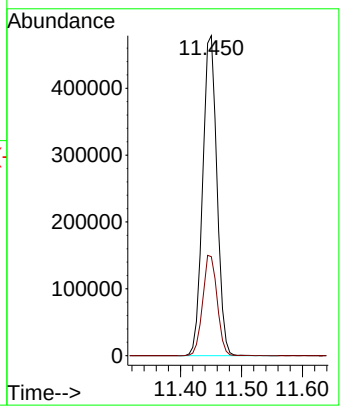
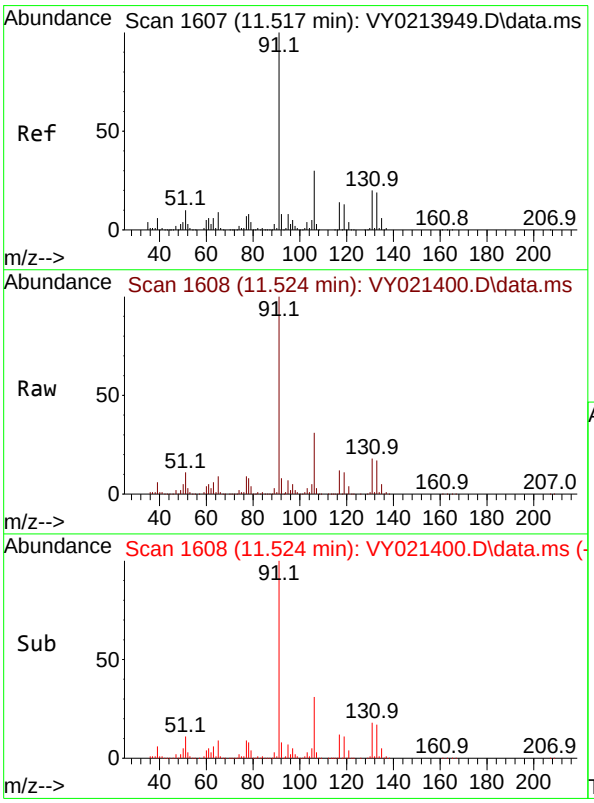
Supervised By :Semsettin Yesilyurt 03/06/2025

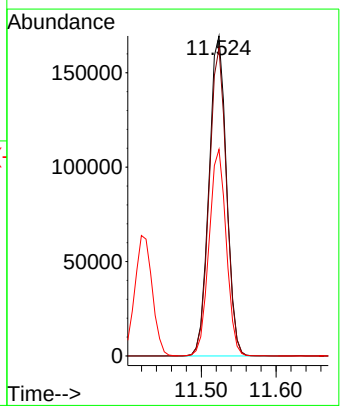


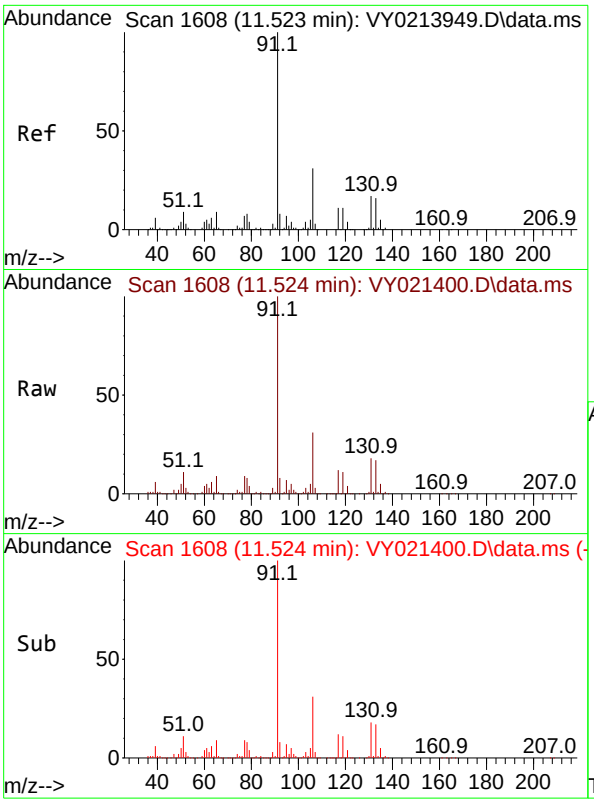


#66
1,1,1,2-Tetrachloroethane
Concen: 101.302 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:131 Resp: 275635

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.6	142.9
119	63.7	32.3	96.9





#67
Ethyl Benzene
Concen: 106.585 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 91 Resp: 143976

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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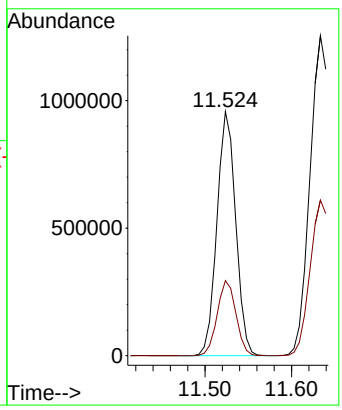
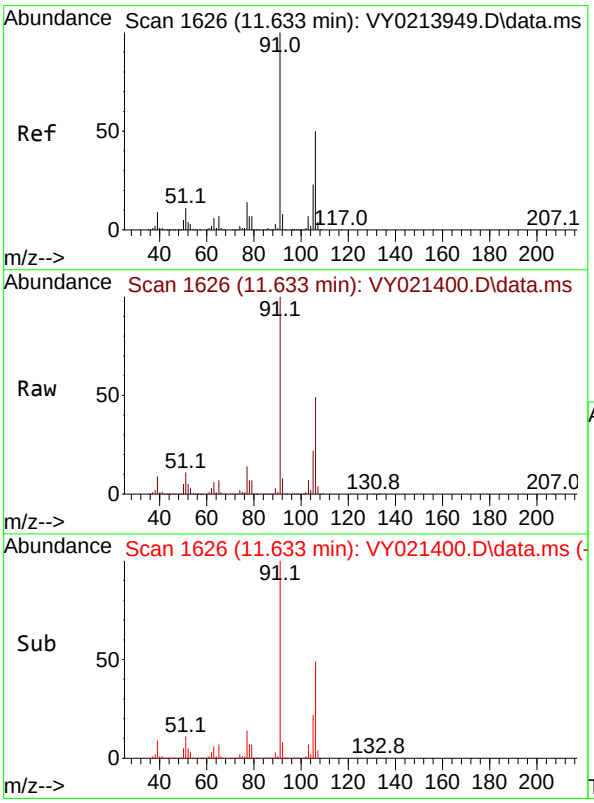
Supervised By :Semsettin Yesilyurt 03/06/2025

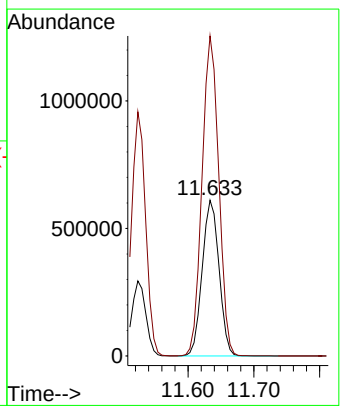


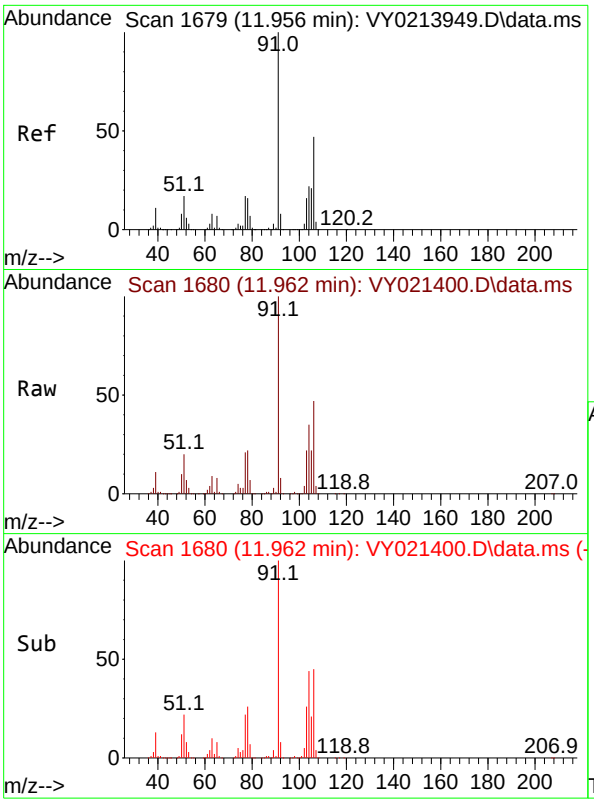


#68
m/p-Xylenes
Concen: 211.694 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:106 Resp: 1085642

Ion	Ratio	Lower	Upper
106	100		
91	204.3	161.7	242.5





#69
o-Xylene
Concen: 107.399 ug/l
RT: 11.962 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:106 Resp: 507619

Ion	Ratio	Lower	Upper
106	100		
91	215.7	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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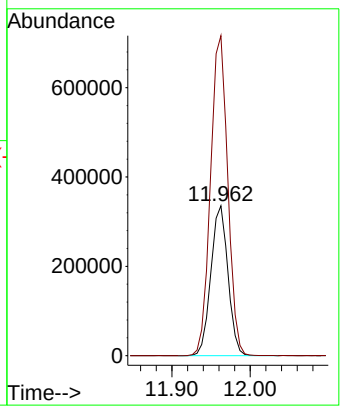
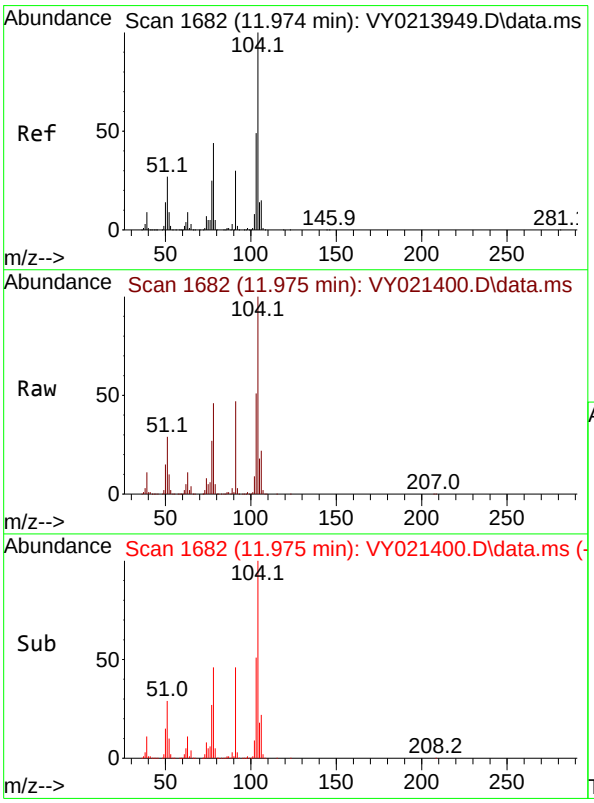
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

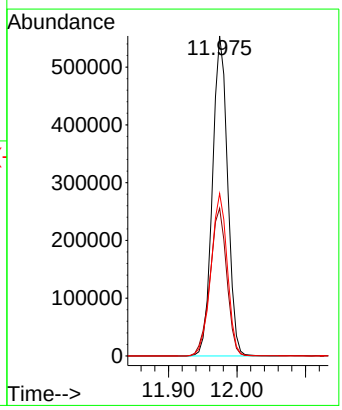


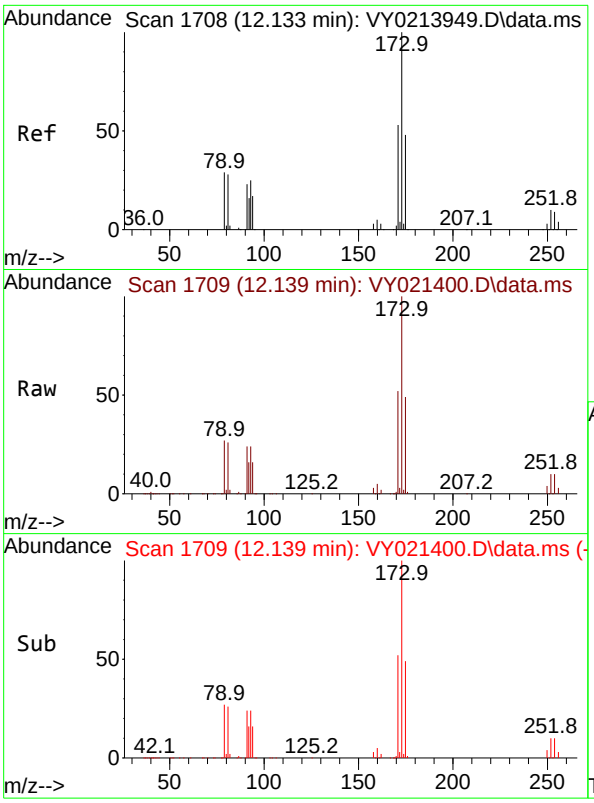


#70
Styrene
Concen: 108.590 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:104 Resp: 851456

Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.7	61.1
103	54.6	44.1	66.1

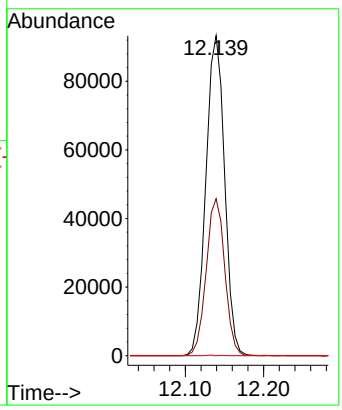




#71
Bromoform
Concen: 101.579 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:173 Resp: 15450

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.9	71.7
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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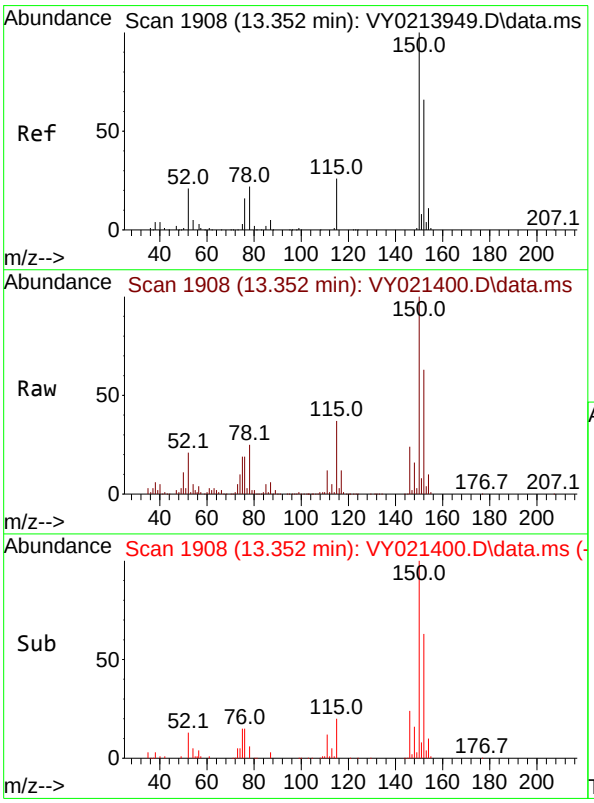
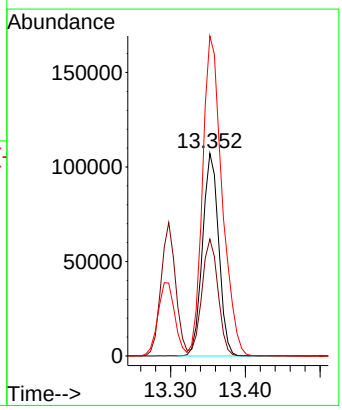
Supervised By :Semsettin Yesilyurt 03/06/2025

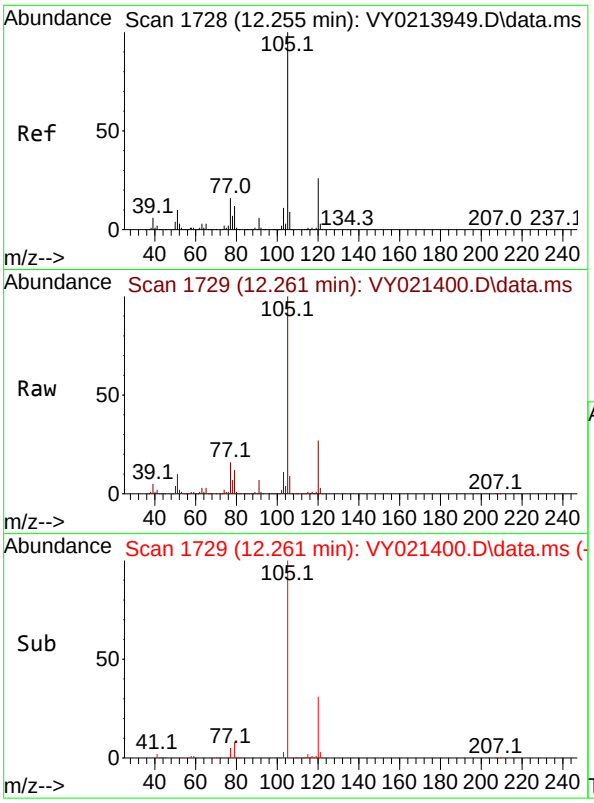


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:152 Resp: 161237

Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.0	87.0
150	190.1	0.0	347.2





#73
Isopropylbenzene
Concen: 107.432 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:105 Resp: 136449

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 03/06/2025
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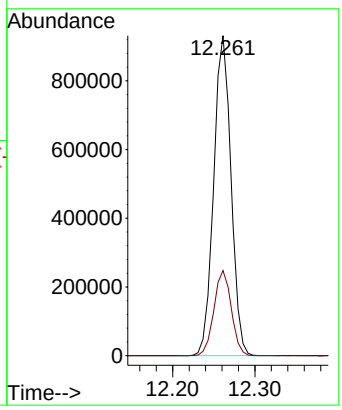
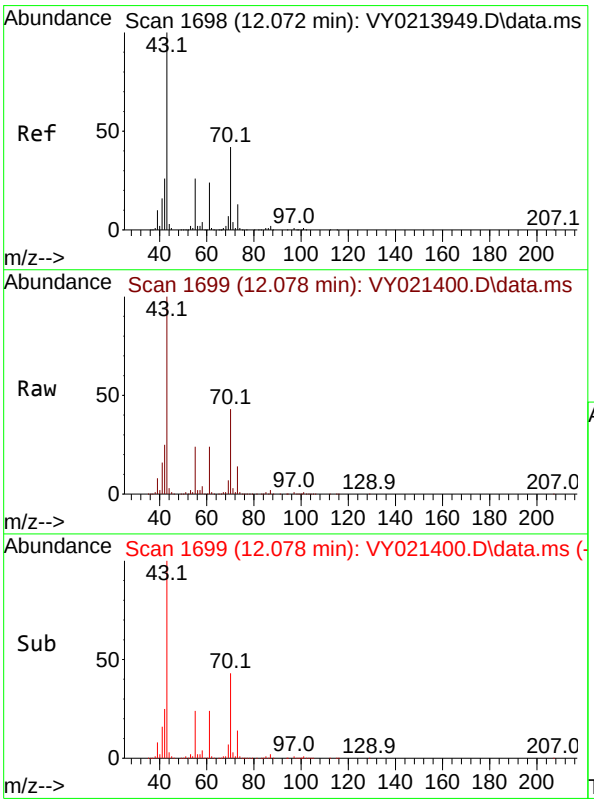
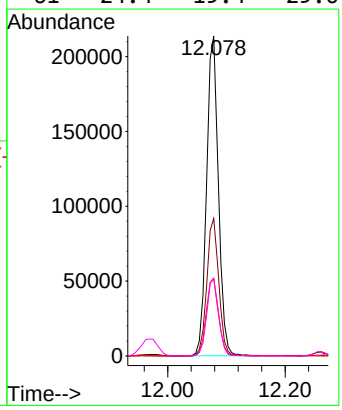


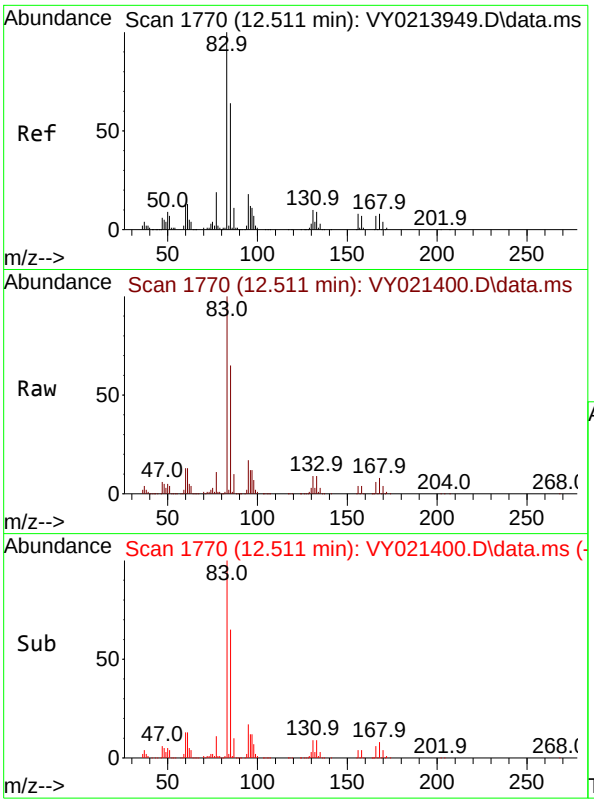


#74
N-amyl acetate
Concen: 108.151 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 43 Resp: 298318

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.6	51.8
55	25.5	21.1	31.7
61	24.4	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 96.028 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 83 Resp: 21522

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	64.2	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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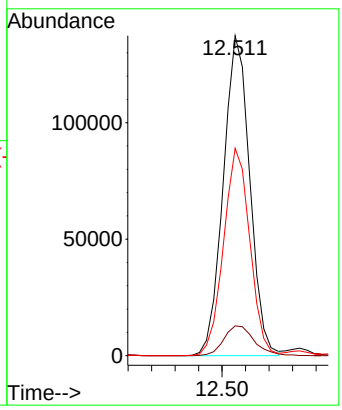
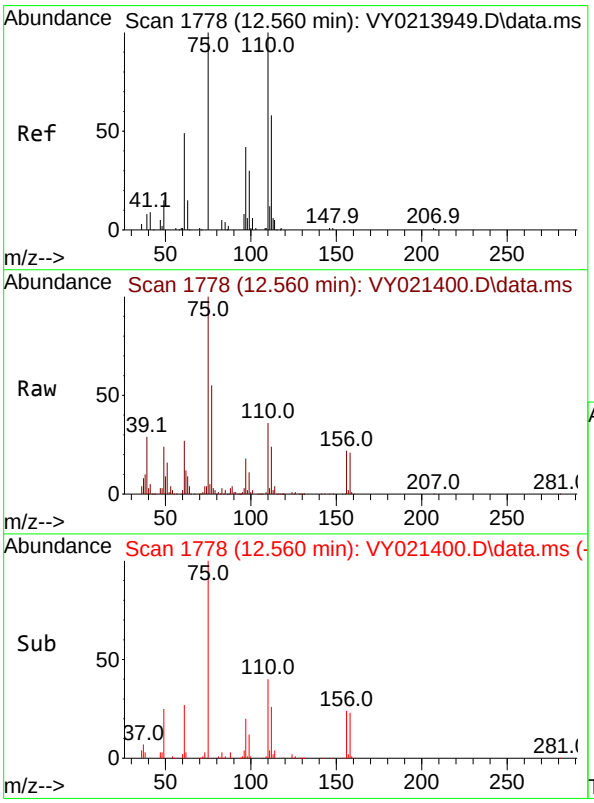
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

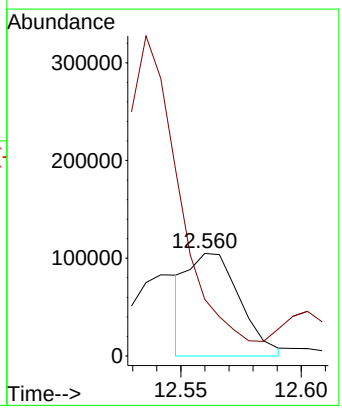


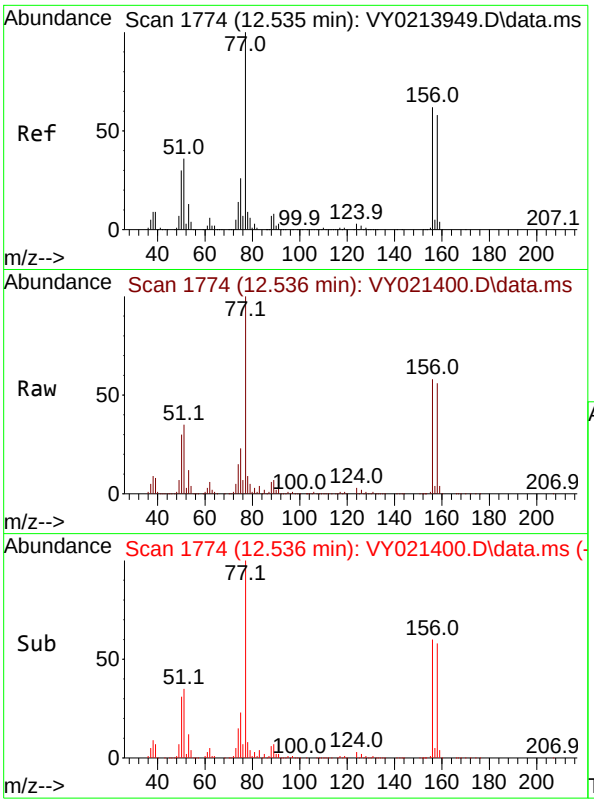


#76
1,2,3-Trichloropropane
Concen: 96.949 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 75 Resp: 157519

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 101.611 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

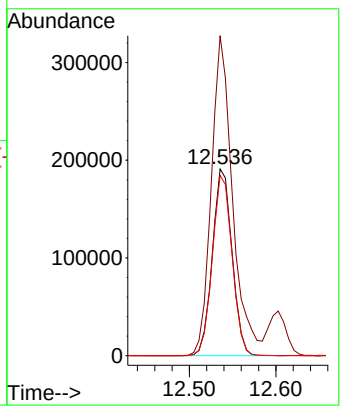
Tgt Ion:156 Resp: 30192

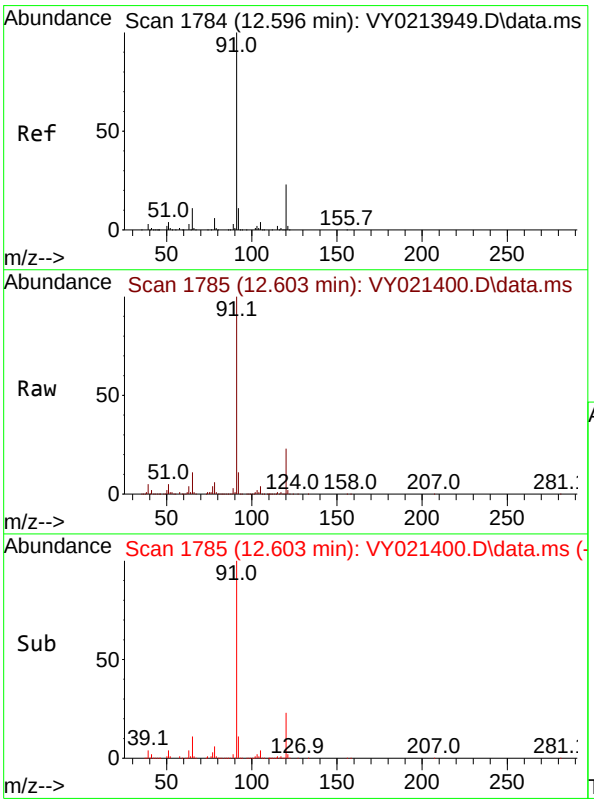
Ion	Ratio	Lower	Upper
156	100		
77	184.8	93.6	280.8
158	96.4	48.3	144.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

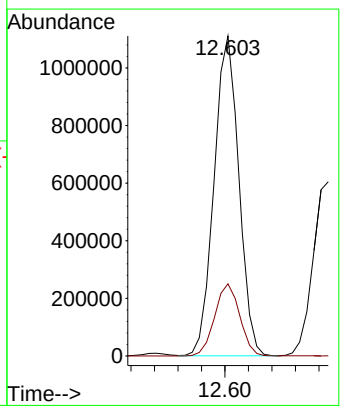


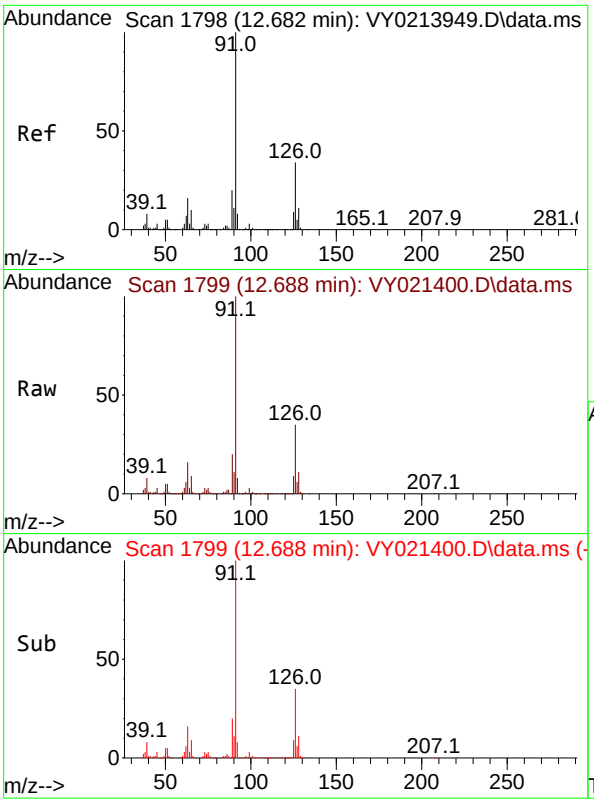


#78
n-propylbenzene
Concen: 105.485 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 91 Resp: 1627111

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.8





#79
2-Chlorotoluene
Concen: 103.236 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

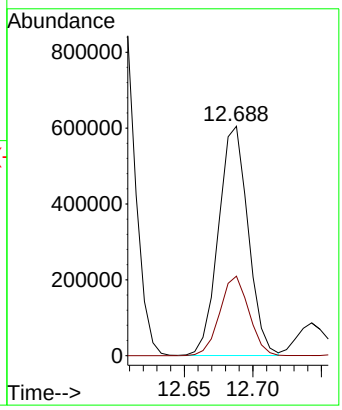
Tgt Ion: 91 Resp: 91054

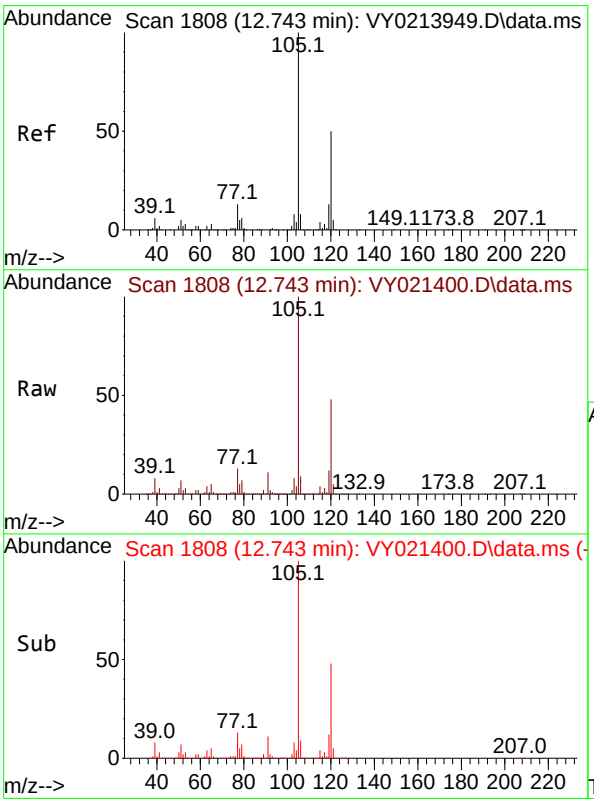
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

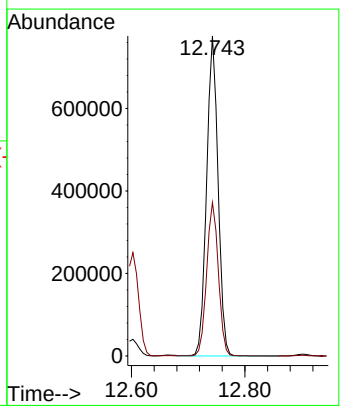


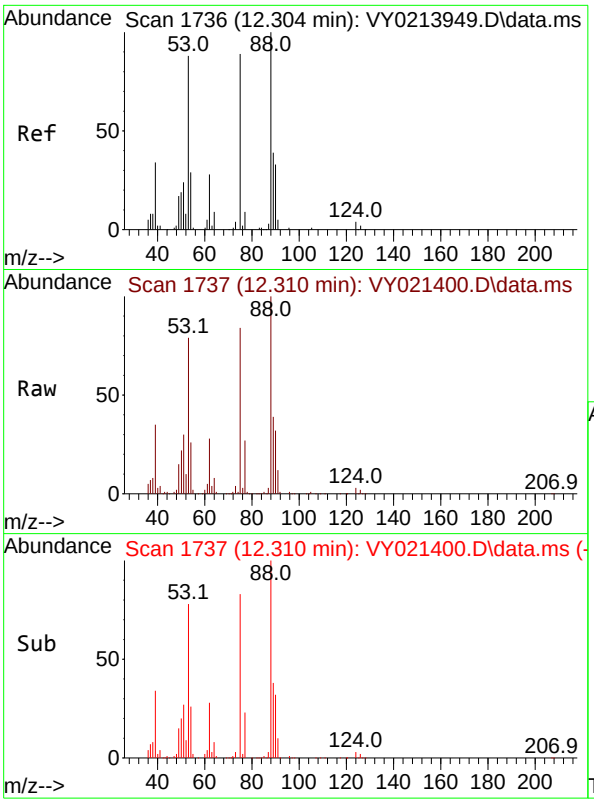


#80
1,3,5-Trimethylbenzene
Concen: 105.392 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:105 Resp: 1087821

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 103.120 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 75 Resp: 7370

Ion	Ratio	Lower	Upper
75	100		
53	97.5	81.0	121.4
89	46.3	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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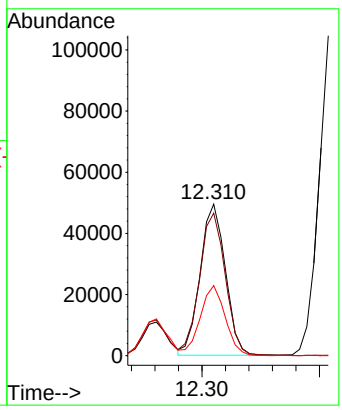
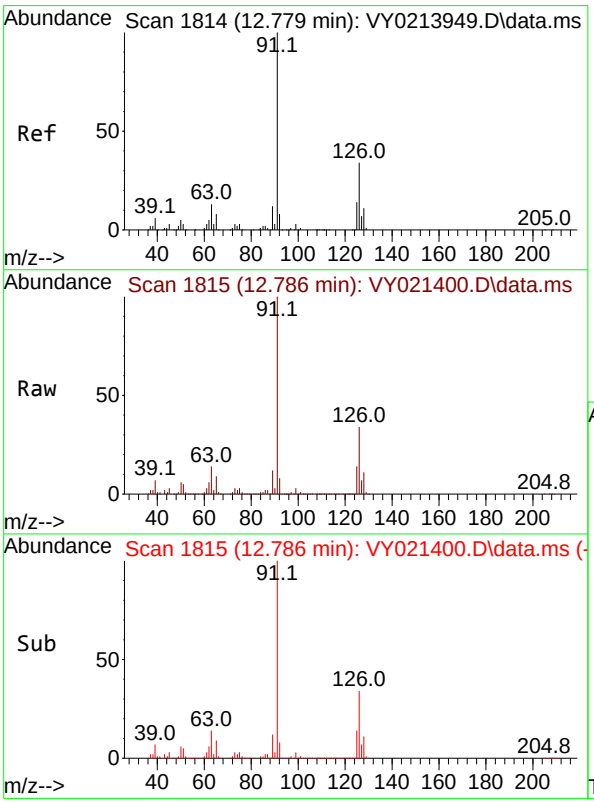
Supervised By :Semsettin Yesilyurt 03/06/2025

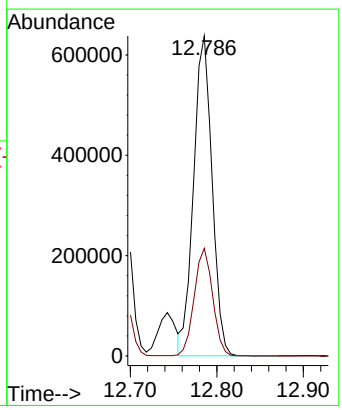


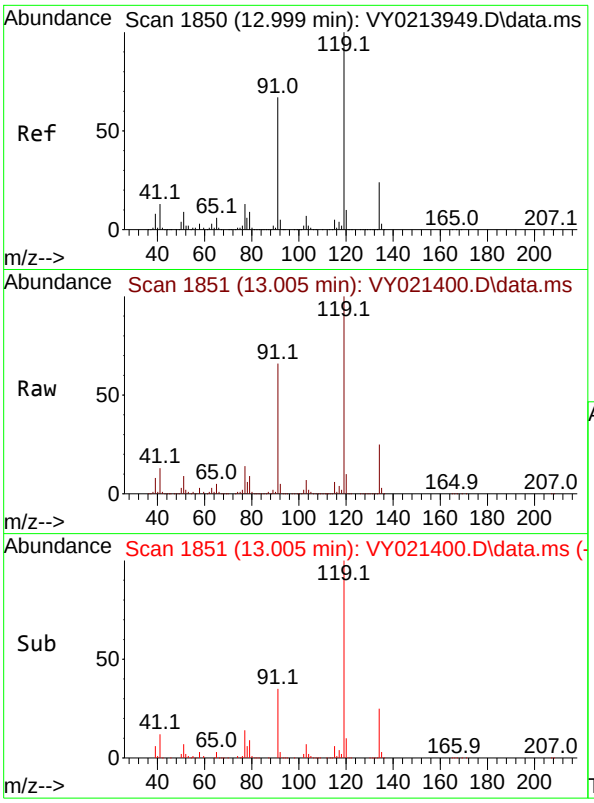


#82
4-Chlorotoluene
Concen: 103.470 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 91 Resp: 945021

Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.0	51.0

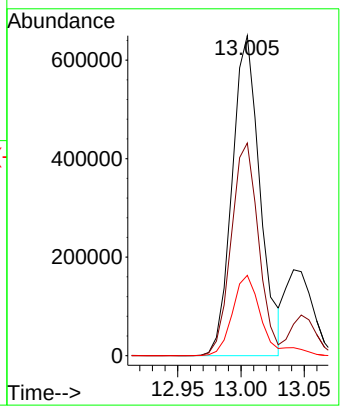




#83
tert-Butylbenzene
Concen: 108.425 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:119 Resp: 99836

Ion	Ratio	Lower	Upper
119	100		
91	64.9	33.2	99.6
134	26.6	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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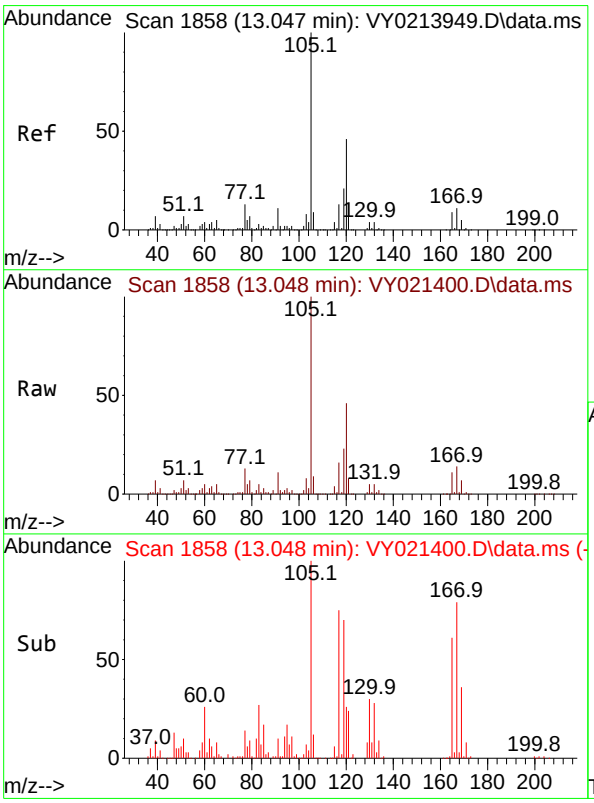
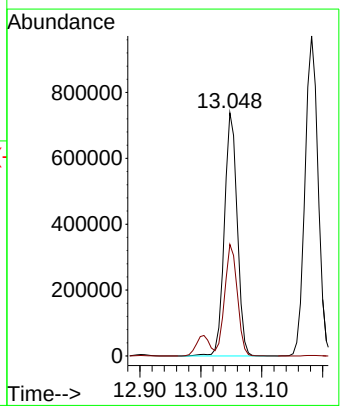
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

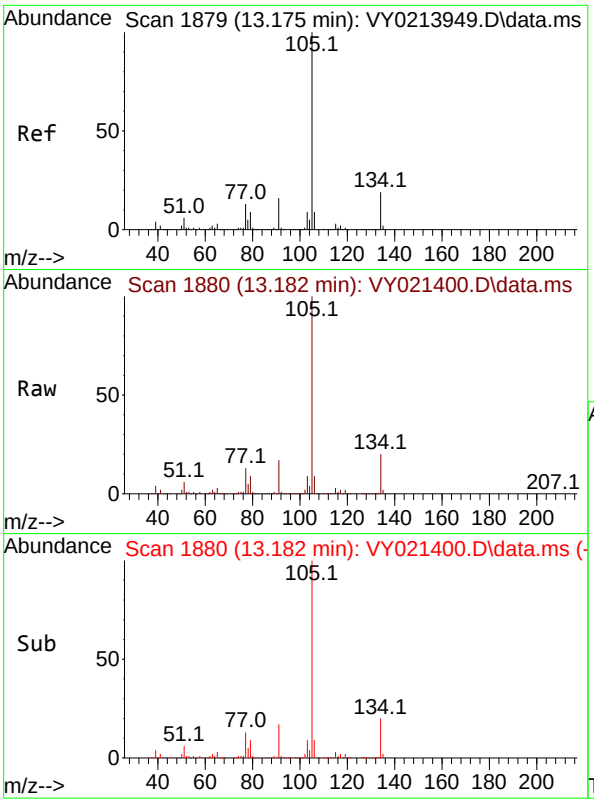


#84
1,2,4-Trimethylbenzene
Concen: 105.512 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:105 Resp: 1081299

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.1





#85
sec-Butylbenzene
Concen: 105.232 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:105 Resp: 144167

Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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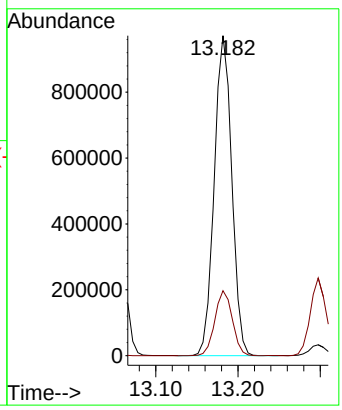
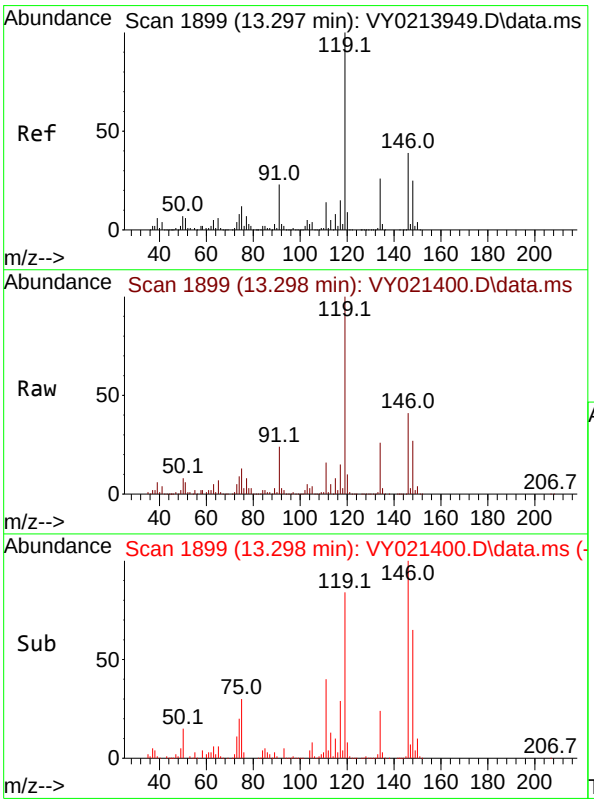
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

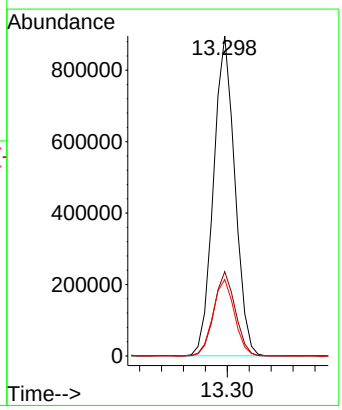


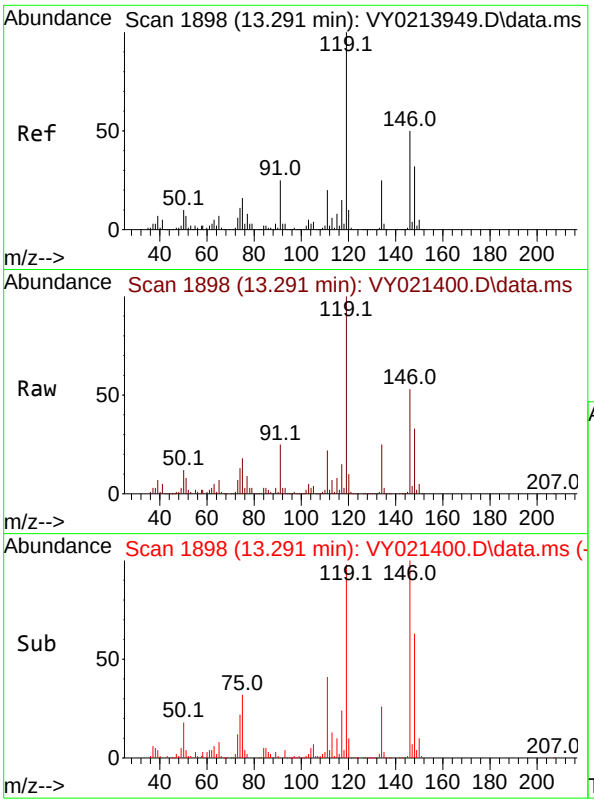


#86
p-Isopropyltoluene
Concen: 107.466 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:119 Resp: 1212941

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.1
91	24.2	12.2	36.6





#87
1,3-Dichlorobenzene
Concen: 100.292 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

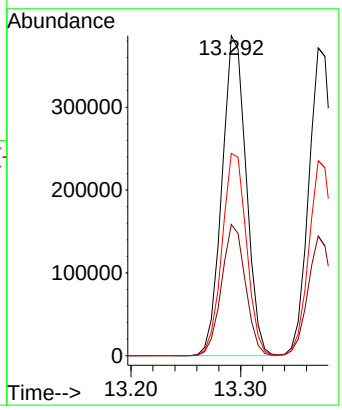
Tgt Ion:146 Resp: 59320

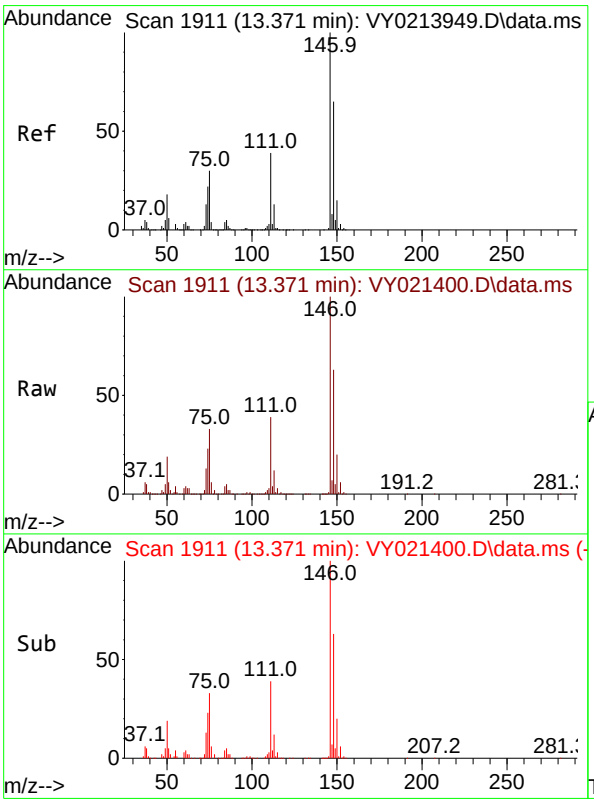
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	63.7	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

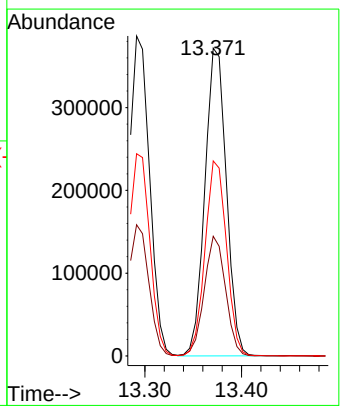


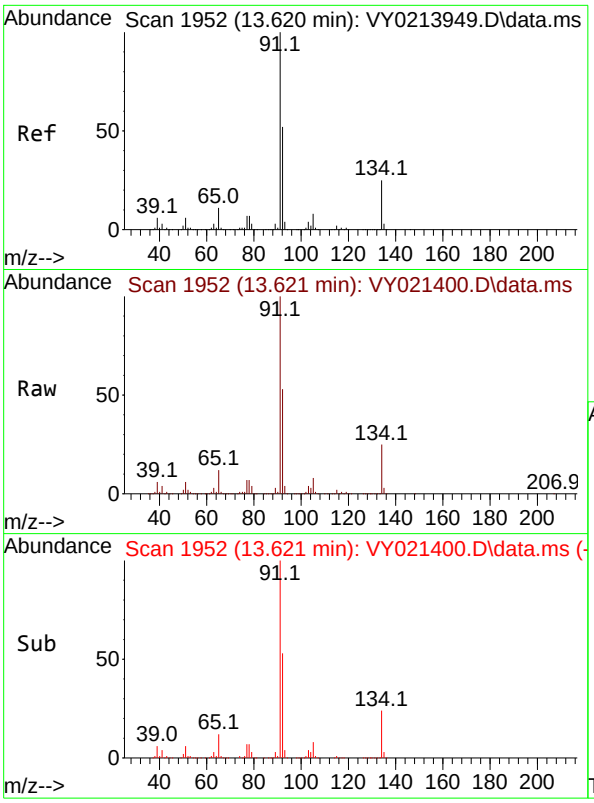


#88
1,4-Dichlorobenzene
Concen: 99.419 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:146 Resp: 575089

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.8
148	63.3	32.3	96.8





#89
n-Butylbenzene
Concen: 109.374 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 91 Resp: 113992

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.1	78.3
134	25.5	12.6	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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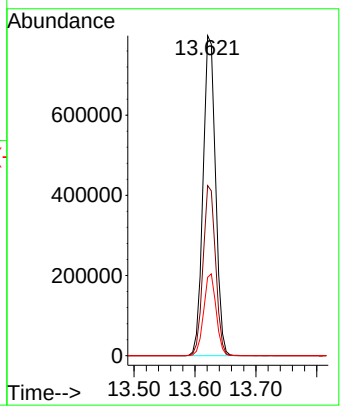
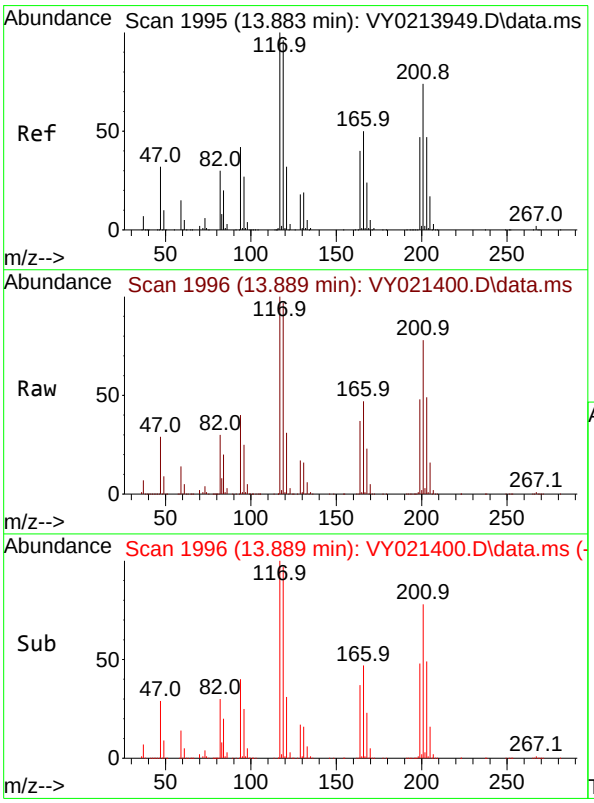
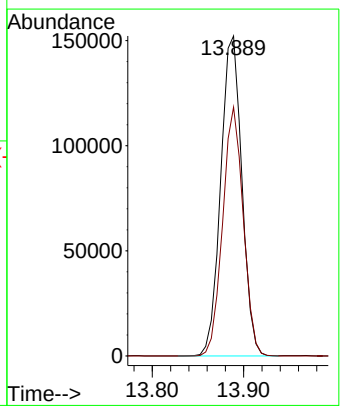


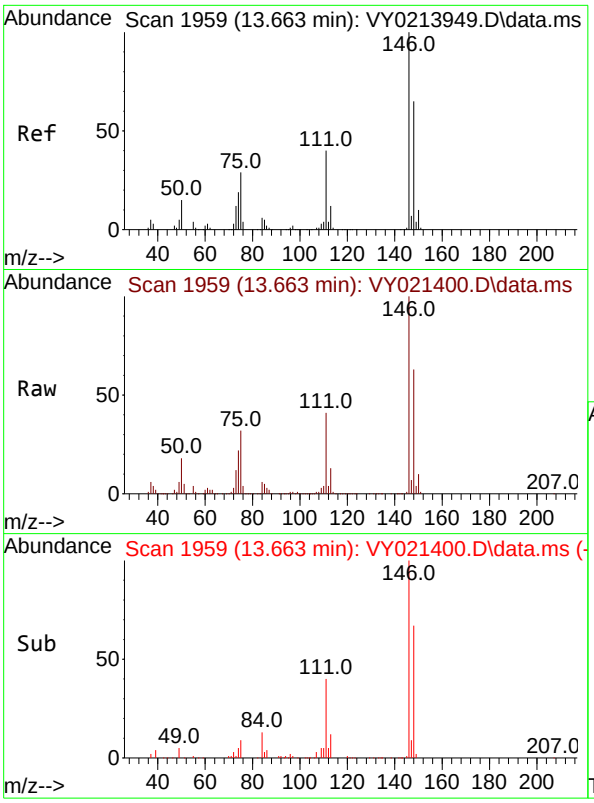


#90
Hexachloroethane
Concen: 101.612 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:117 Resp: 244664

Ion	Ratio	Lower	Upper
117	100		
201	75.6	37.4	112.2





#91
1,2-Dichlorobenzene
Concen: 99.761 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:146 Resp: 50573

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.7	62.1
148	64.2	32.1	96.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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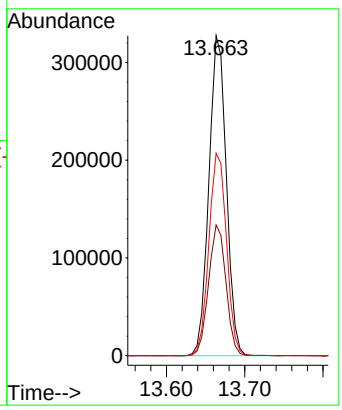
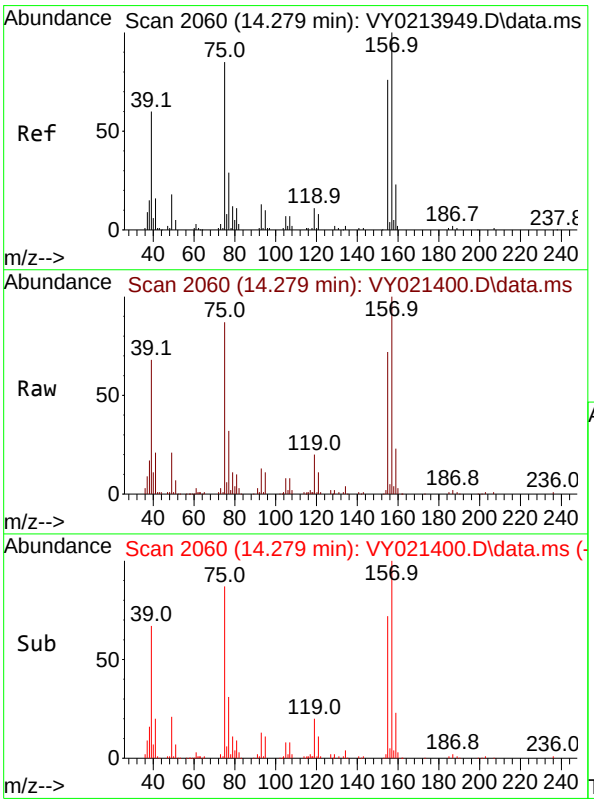
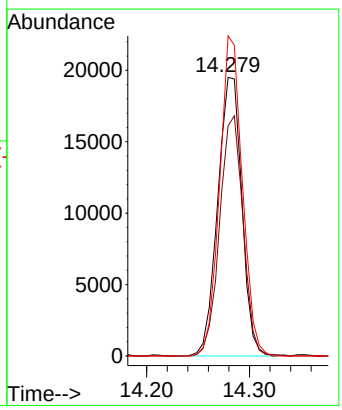


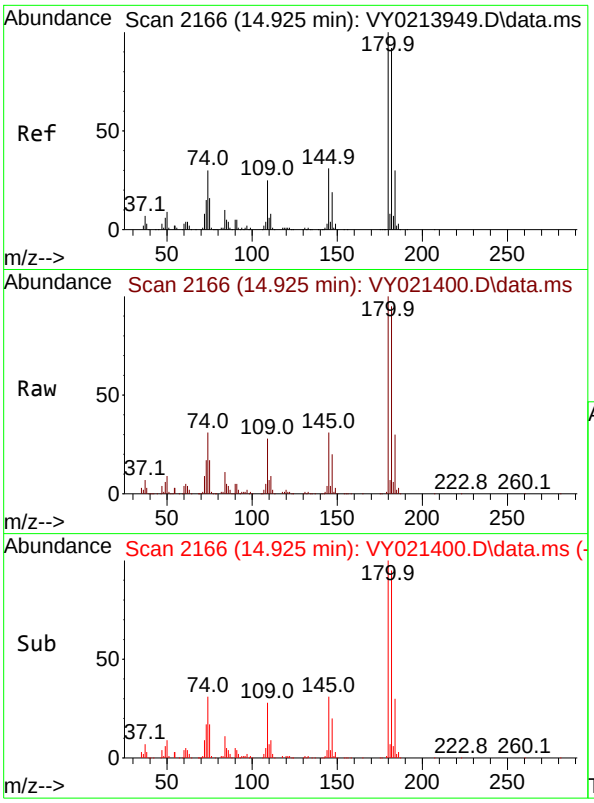


#92
1,2-Dibromo-3-Chloropropane
Concen: 94.443 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion: 75 Resp: 31708

Ion	Ratio	Lower	Upper
75	100		
155	83.8	43.5	130.5
157	108.1	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 107.869 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 29868

Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.7	140.0
145	30.9	15.6	46.8

Manual Integrations
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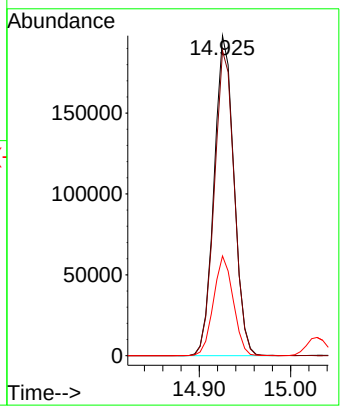
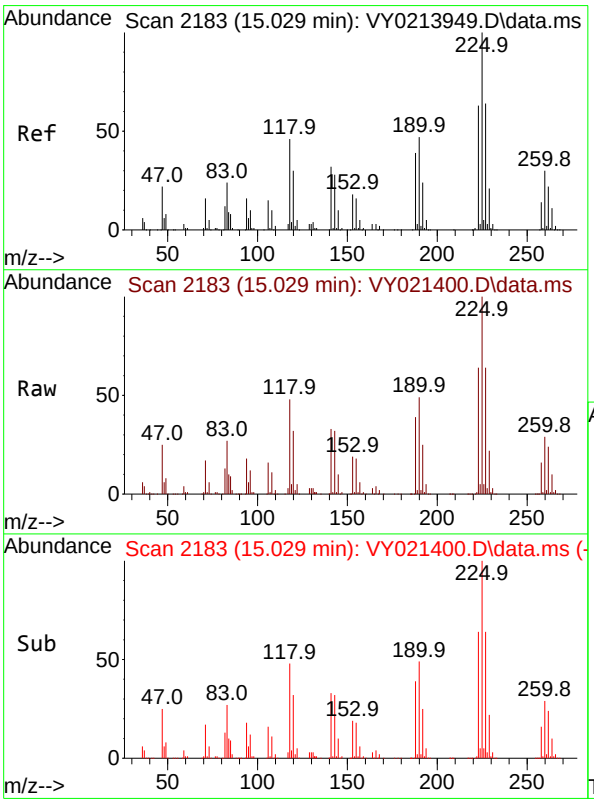
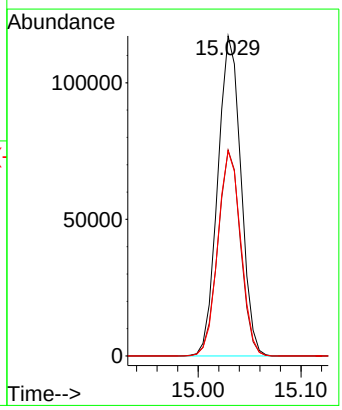


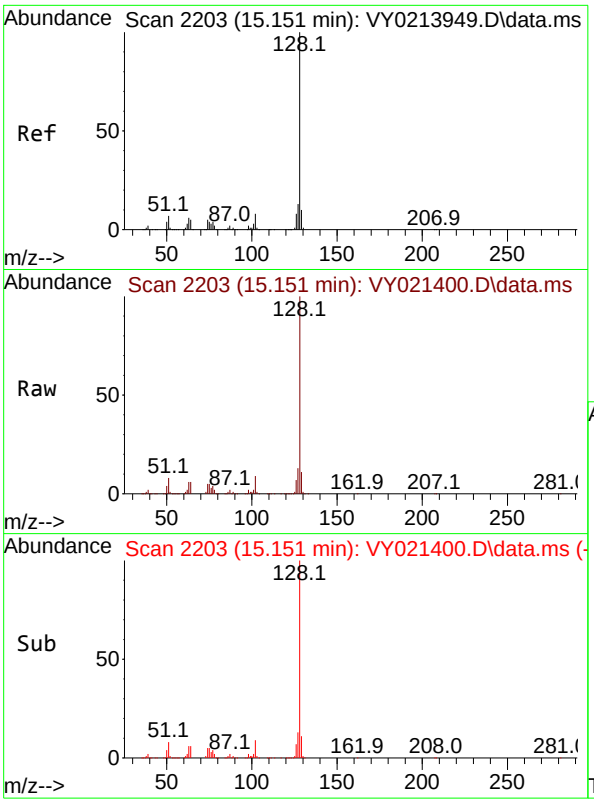


#94
Hexachlorobutadiene
Concen: 105.287 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:225 Resp: 182747

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	63.5	31.8	95.4

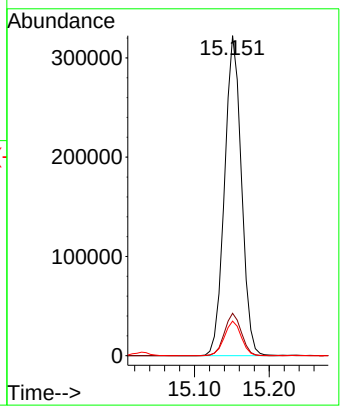




#95
Naphthalene
Concen: 97.607 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:128 Resp: 50657

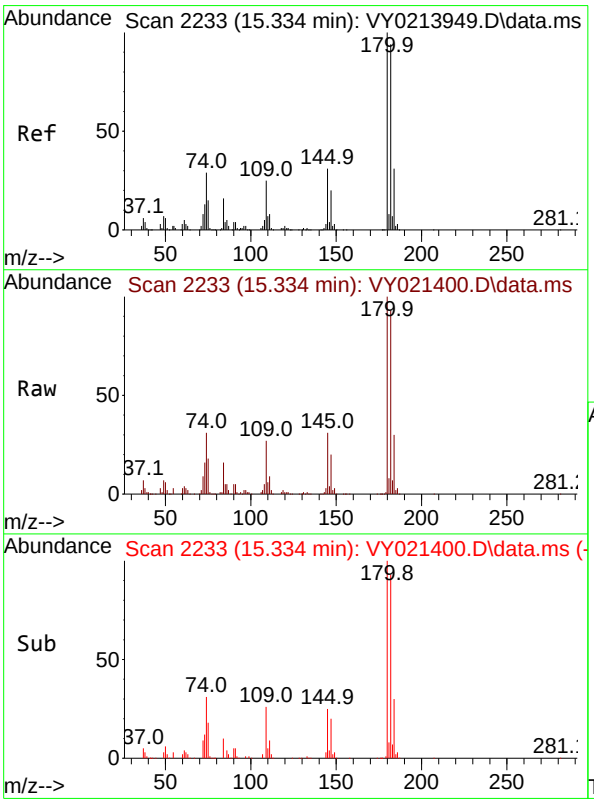
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.8	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

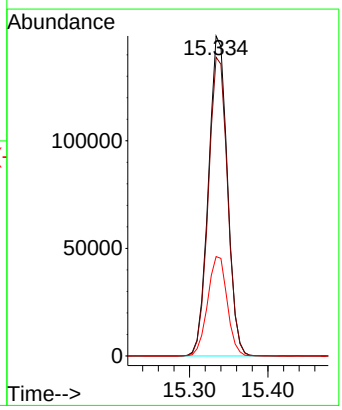
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 106.805 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021400.D
Acq: 04 Mar 2025 11:06

Tgt Ion:180 Resp: 248728

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.2	141.6
145	32.0	16.4	49.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021401.D
Acq On : 04 Mar 2025 11:29
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:01:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	266755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	403017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	355825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	173358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	382016	135.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 270.980%#			
35) Dibromofluoromethane	7.640	113	376382	142.080	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 284.160%#			
50) Toluene-d8	10.109	98	1454175	144.978	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 289.960%#			
62) 4-Bromofluorobenzene	12.408	95	489437	143.450	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 286.900%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	343152	140.181	ug/l	97
3) Chloromethane	2.074	50	464459	134.578	ug/l	99
4) Vinyl Chloride	2.208	62	532492	141.188	ug/l	99
5) Bromomethane	2.592	94	374688	137.459	ug/l	98
6) Chloroethane	2.739	64	345714	138.708	ug/l	97
7) Trichlorofluoromethane	3.062	101	748024	142.097	ug/l	99
8) Diethyl Ether	3.458	74	210548	144.324	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	419826	139.685	ug/l	99
10) Methyl Iodide	4.013	142	485205	158.816	ug/l	98
11) Tert butyl alcohol	4.872	59	132243	768.076	ug/l	100
12) 1,1-Dichloroethene	3.793	96	395483	144.329	ug/l	99
13) Acrolein	3.659	56	16610	115.824	ug/l	89
14) Allyl chloride	4.391	41	650795	146.966	ug/l	99
15) Acrylonitrile	5.061	53	454097	731.212	ug/l	99
16) Acetone	3.873	43	380537	618.814	ug/l	94
17) Carbon Disulfide	4.110	76	1237407	144.094	ug/l	100
18) Methyl Acetate	4.391	43	205359	150.507	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	1052192	151.501	ug/l	99
20) Methylene Chloride	4.622	84	405442	125.603	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	436290	142.173	ug/l	99
22) Diisopropyl ether	6.025	45	1390733	145.730	ug/l	96
23) Vinyl Acetate	5.964	43	4142519	760.601	ug/l	99
24) 1,1-Dichloroethane	5.921	63	793059	140.803	ug/l	99
25) 2-Butanone	6.896	43	604502	710.631	ug/l	99
26) 2,2-Dichloropropane	6.890	77	740961	142.975	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	511211	146.639	ug/l	98
28) Bromochloromethane	7.250	49	304092	128.781	ug/l	98
29) Tetrahydrofuran	7.262	42	392146	746.729	ug/l	99
30) Chloroform	7.427	83	823431	140.790	ug/l	98
31) Cyclohexane	7.707	56	731684	138.566	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	762807	142.442	ug/l	99
36) 1,1-Dichloropropene	7.841	75	609596	147.009	ug/l	99
37) Ethyl Acetate	6.988	43	271579	145.189	ug/l	99
38) Carbon Tetrachloride	7.823	117	700638	146.916	ug/l	100
39) Methylcyclohexane	9.109	83	808497	158.954	ug/l	99
40) Benzene	8.085	78	1781188	145.818	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021401.D
Acq On : 04 Mar 2025 11:29
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Mar 05 03:01:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	150455	147.676 ug/l #	92
42) 1,2-Dichloroethane	8.164	62	493103	144.299 ug/l	99
43) Isopropyl Acetate	8.201	43	557010	156.557 ug/l	99
44) Trichloroethene	8.866	130	456841	148.000 ug/l	96
45) 1,2-Dichloropropane	9.146	63	419433	144.273 ug/l	98
46) Dibromomethane	9.231	93	239577	148.107 ug/l	99
47) Bromodichloromethane	9.426	83	629944	146.641 ug/l	100
48) Methyl methacrylate	9.225	41	268043	162.482 ug/l	99
49) 1,4-Dioxane	9.231	88	51411	3238.027 ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	1468813	800.119 ug/l	99
52) Toluene	10.176	92	1158338	150.411 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	598438	158.120 ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	684617	152.359 ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	310174	146.586 ug/l	99
56) Ethyl methacrylate	10.444	69	466697	172.939 ug/l	99
57) 1,3-Dichloropropane	10.719	76	545711	148.802 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1094099	878.264 ug/l	99
59) 2-Hexanone	10.762	43	983959	810.617 ug/l	100
60) Dibromochloromethane	10.914	129	436855	150.595 ug/l	99
61) 1,2-Dibromoethane	11.018	107	298827	149.635 ug/l	98
64) Tetrachloroethene	10.652	164	419107	144.847 ug/l	99
65) Chlorobenzene	11.444	112	1243163	147.949 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	442377	148.911 ug/l	100
67) Ethyl Benzene	11.524	91	2291269	155.358 ug/l	100
68) m/p-Xylenes	11.633	106	1713936	306.103 ug/l	99
69) o-Xylene	11.956	106	805321	156.057 ug/l	99
70) Styrene	11.975	104	1352252	157.956 ug/l	99
71) Bromoform	12.133	173	253882	152.878 ug/l #	98
73) Isopropylbenzene	12.255	105	2144893	157.067 ug/l	99
74) N-amyl acetate	12.072	43	521557	175.863 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	358734	148.865 ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	241297m	138.129 ug/l	
77) Bromobenzene	12.536	156	485258	151.891 ug/l	98
78) n-propylbenzene	12.597	91	2550395	153.780 ug/l	100
79) 2-Chlorotoluene	12.682	91	1439597	151.808 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1704391	153.582 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	126267	164.316 ug/l	95
82) 4-Chlorotoluene	12.779	91	1468603	149.554 ug/l	100
83) tert-Butylbenzene	12.999	119	1538803	155.433 ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	1713052	155.470 ug/l	99
85) sec-Butylbenzene	13.182	105	2277976	154.650 ug/l	99
86) p-Isopropyltoluene	13.298	119	1940795	159.931 ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	947577	149.004 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	917648	147.547 ug/l	99
89) n-Butylbenzene	13.621	91	1818773	162.308 ug/l	98
90) Hexachloroethane	13.883	117	393459	151.984 ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	811529	148.890 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	56205	155.702 ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	517199	173.726 ug/l	98
94) Hexachlorobutadiene	15.029	225	302517	162.105 ug/l	99
95) Naphthalene	15.151	128	925079	150.626 ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	434430	173.503 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021401.D
Acq On : 04 Mar 2025 11:29
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:01:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

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

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

ICAL Form

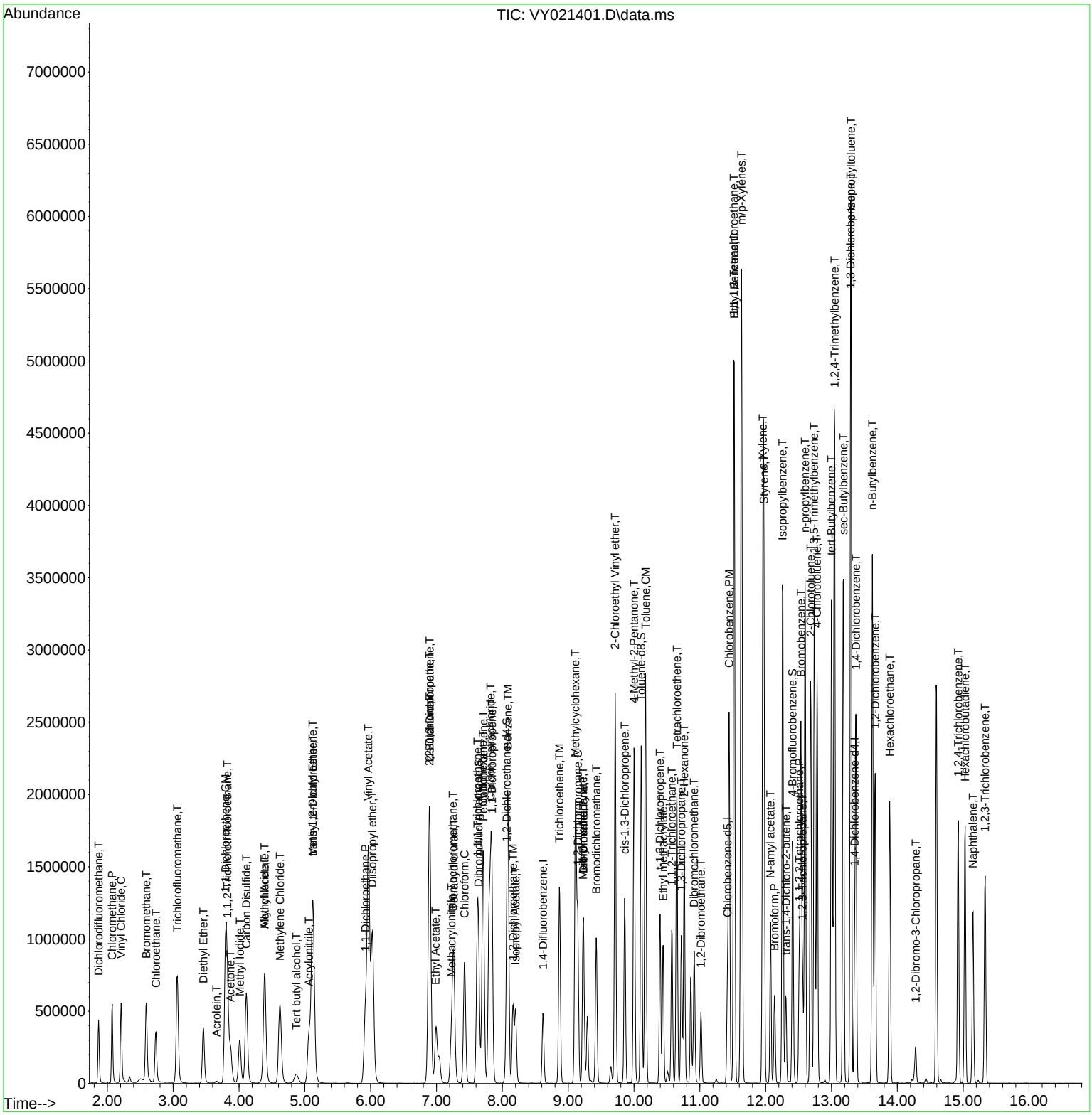
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021401.D
Acq On : 04 Mar 2025 11:29
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

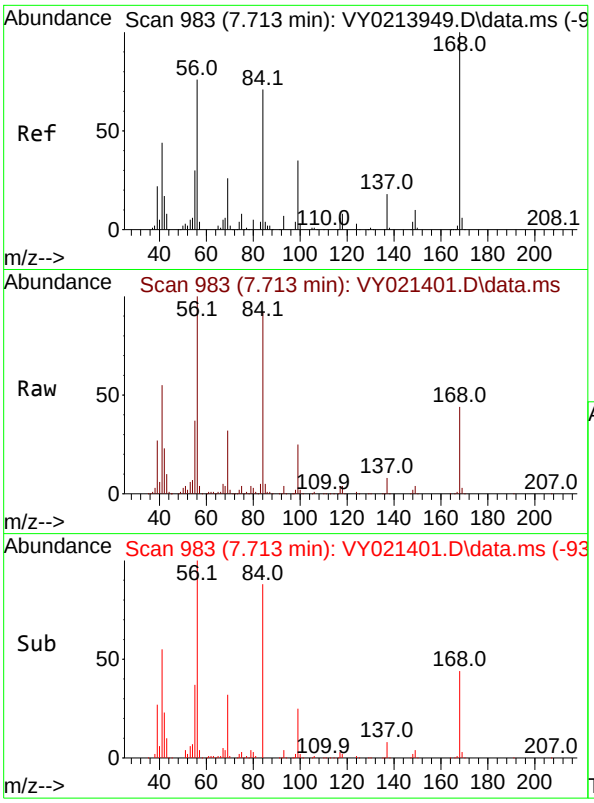
Quant Time: Mar 05 03:01:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

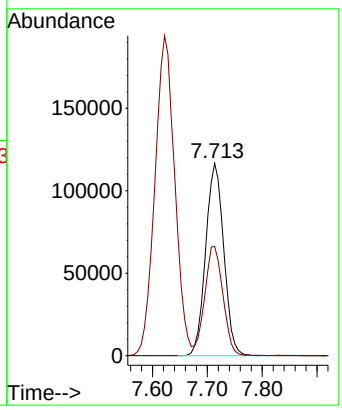




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:168 Resp: 26675

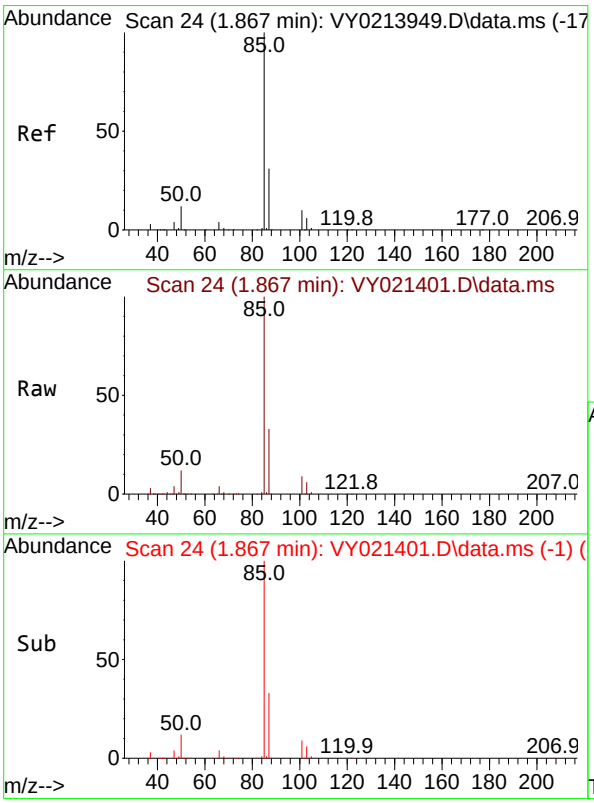
Ion	Ratio	Lower	Upper
168	100		
99	56.5	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

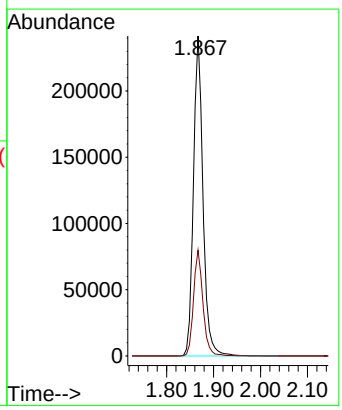
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

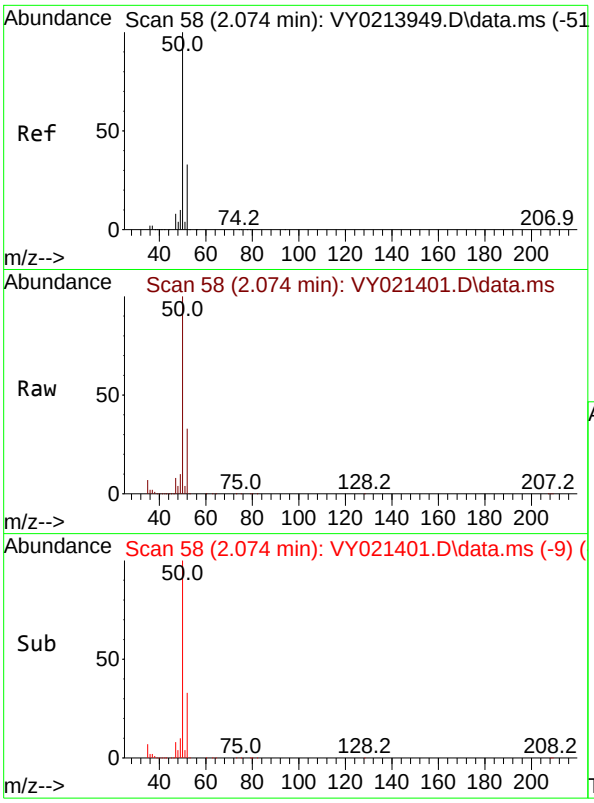


#2
Dichlorodifluoromethane
Concen: 140.181 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 85 Resp: 343152

Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.7	47.0

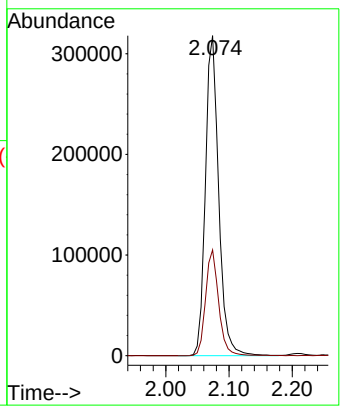




#3
Chloromethane
Concen: 134.578 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 50 Resp: 46445

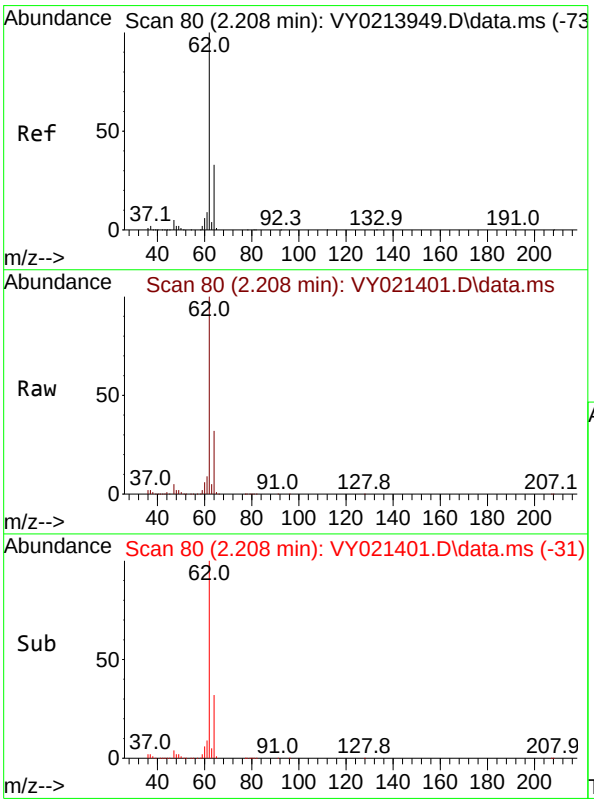
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

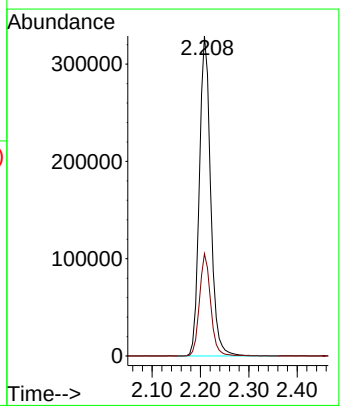
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

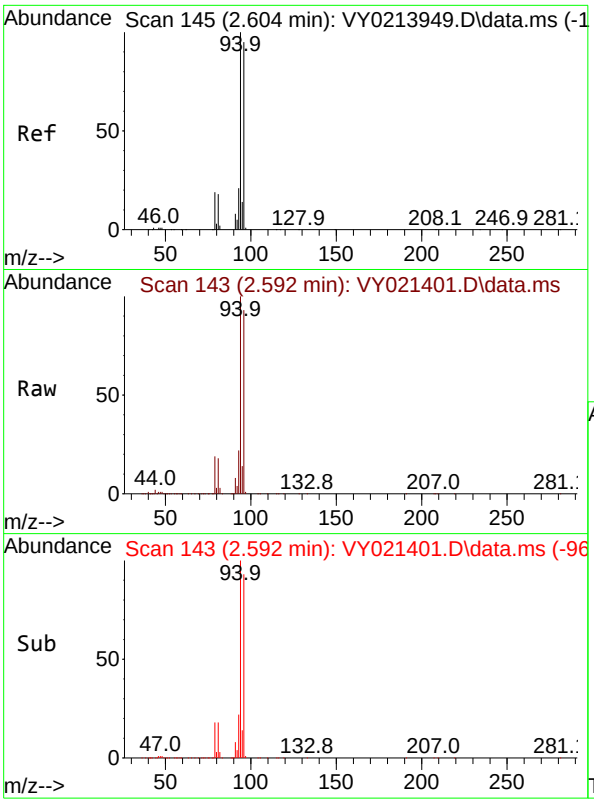


#4
Vinyl Chloride
Concen: 141.188 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 62 Resp: 532492

Ion	Ratio	Lower	Upper
62	100		
64	31.9	26.2	39.2





#5
Bromomethane
Concen: 137.459 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

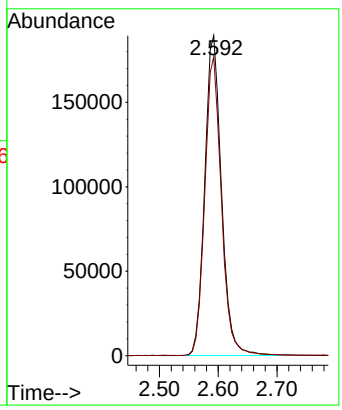
Tgt Ion: 94 Resp: 37468

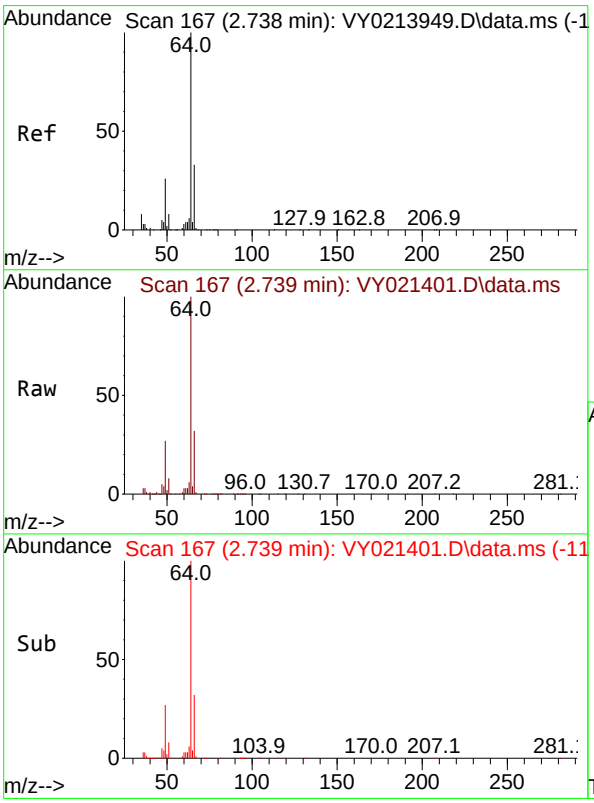
Ion	Ratio	Lower	Upper
94	100		
96	93.3	76.3	114.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

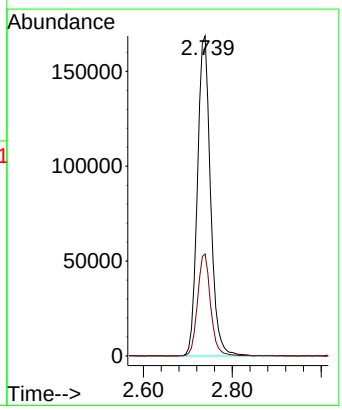


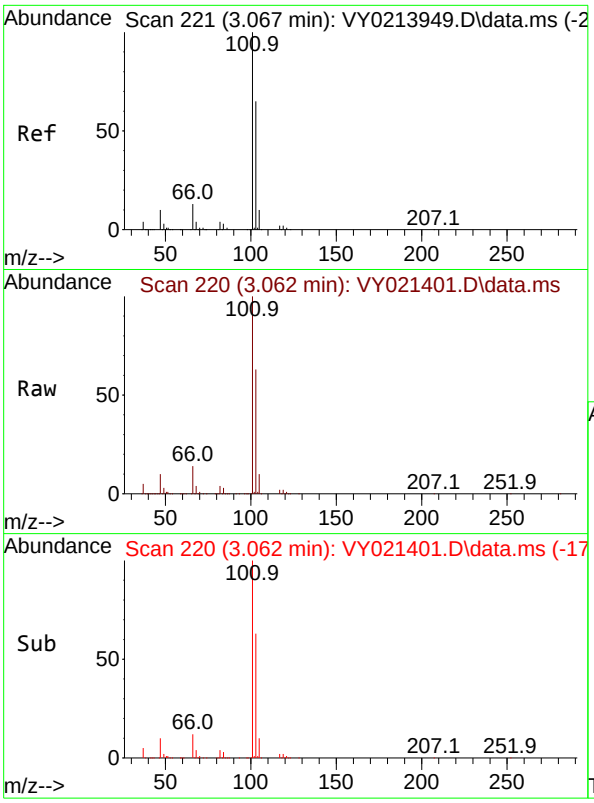


#6
Chloroethane
Concen: 138.708 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 64 Resp: 345714

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.7	40.1

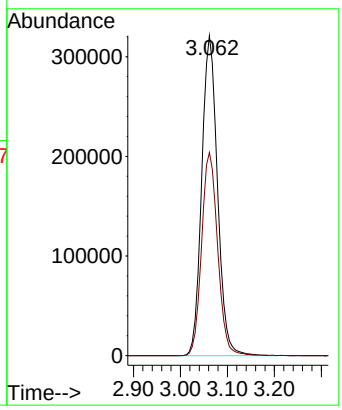




#7
Trichlorofluoromethane
Concen: 142.097 ug/l
RT: 3.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:101 Resp: 74802

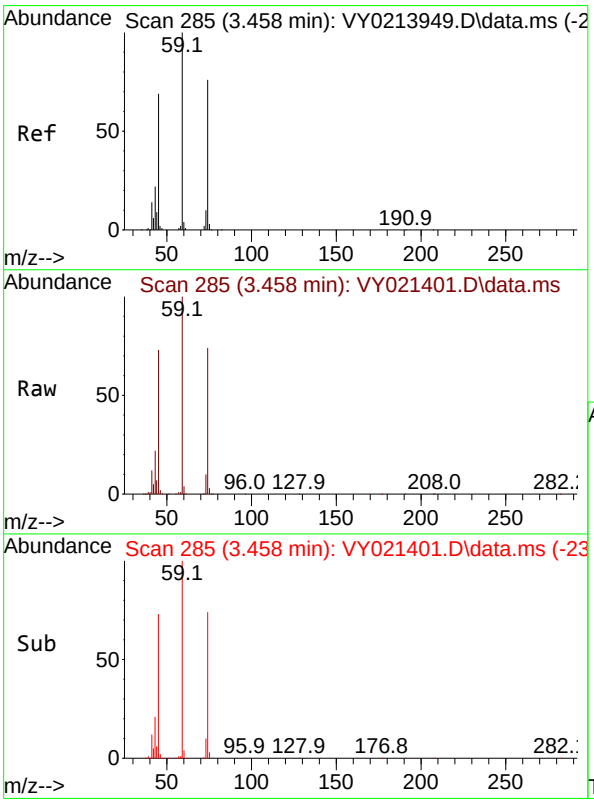
Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

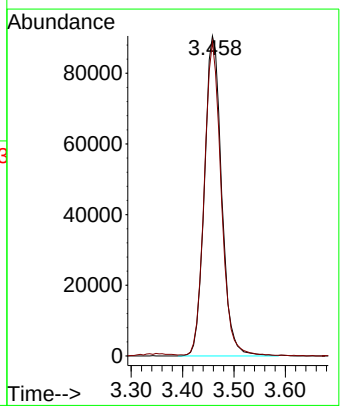
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

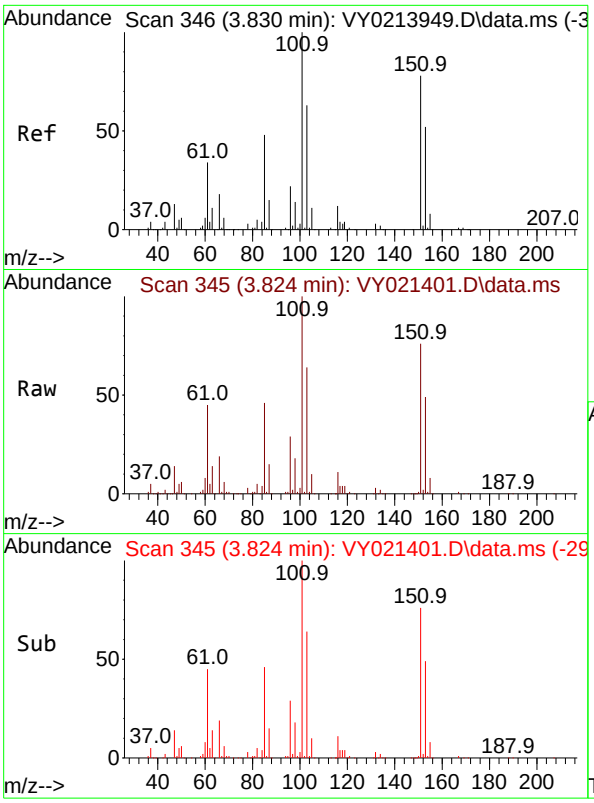


#8
Diethyl Ether
Concen: 144.324 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 74 Resp: 210548

Ion	Ratio	Lower	Upper
74	100		
45	96.0	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 139.685 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:101 Resp: 41982

Ion	Ratio	Lower	Upper
101	100		
85	46.0	37.1	55.7
151	77.2	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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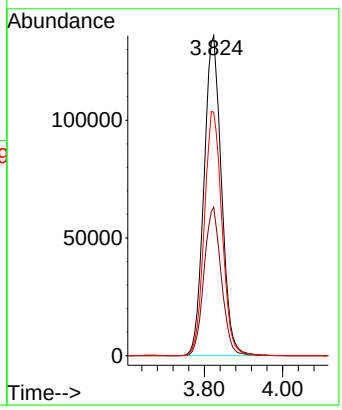
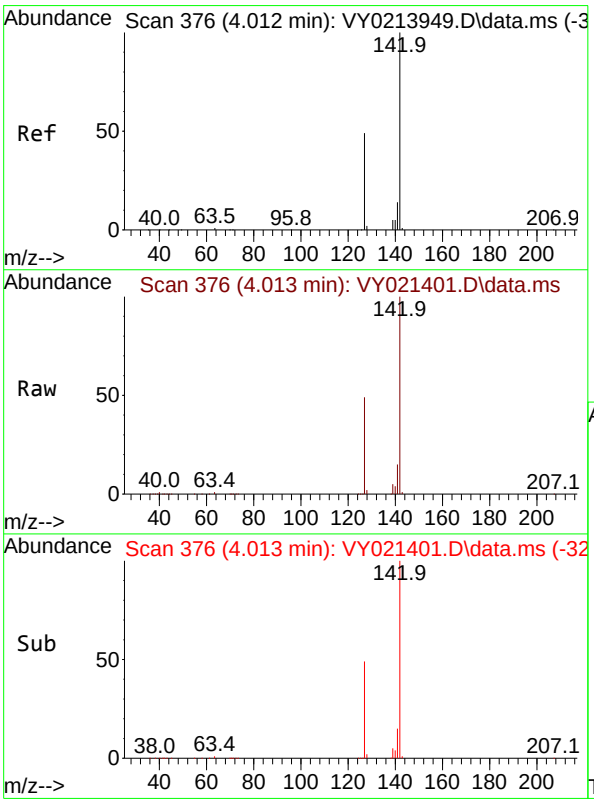
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

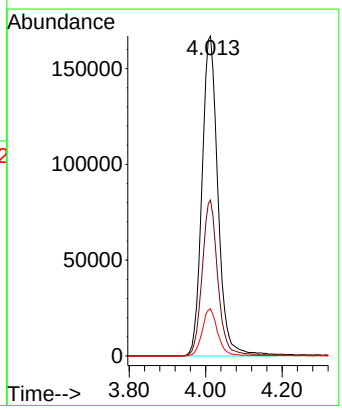


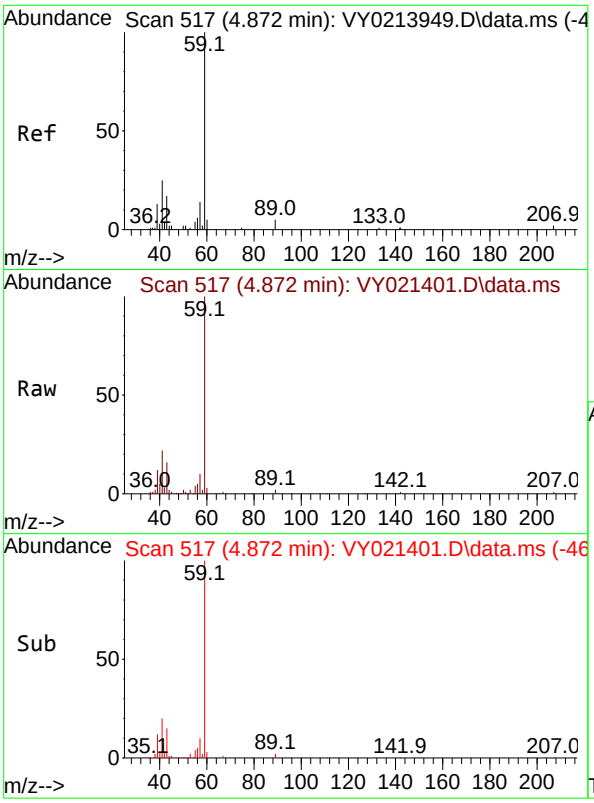


#10
Methyl Iodide
Concen: 158.816 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:142 Resp: 485205

Ion	Ratio	Lower	Upper
142	100		
127	47.8	39.1	58.7
141	14.2	11.8	17.6

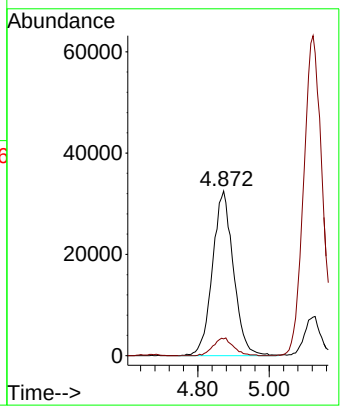




#11
Tert butyl alcohol
Concen: 768.076 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 59 Resp: 13224

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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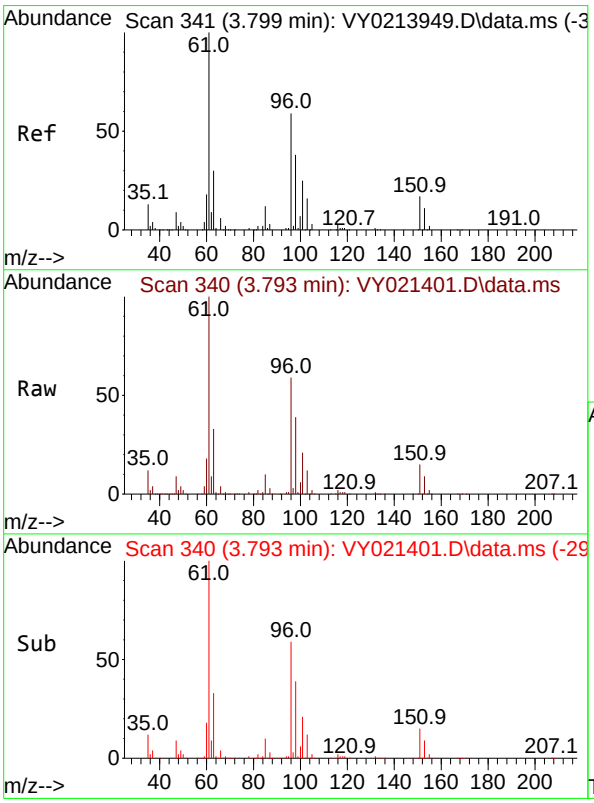
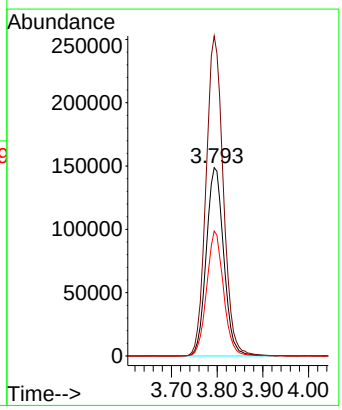
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

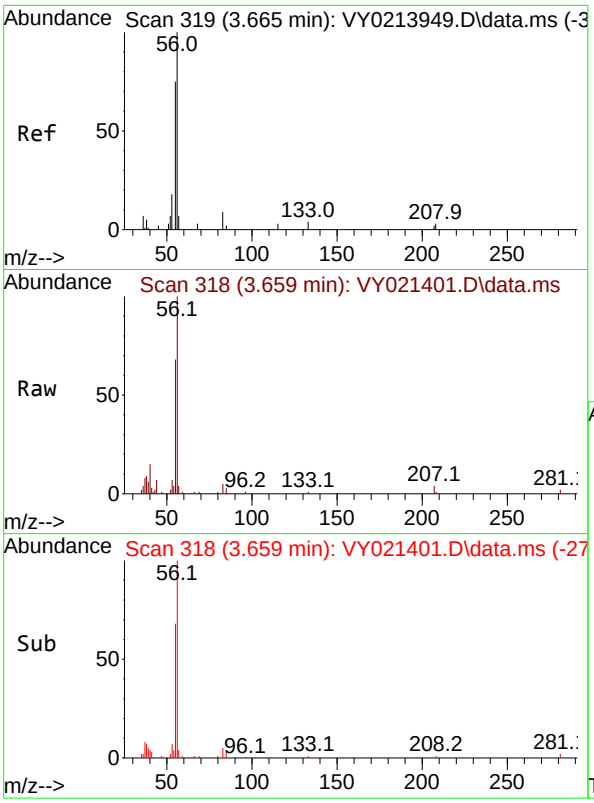


#12
1,1-Dichloroethene
Concen: 144.329 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 96 Resp: 395483

Ion	Ratio	Lower	Upper
96	100		
61	169.9	135.2	202.8
98	66.4	51.4	77.2





#13
Acrolein
Concen: 115.824 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 56 Resp: 1661

Ion	Ratio	Lower	Upper
56	100		
55	69.5	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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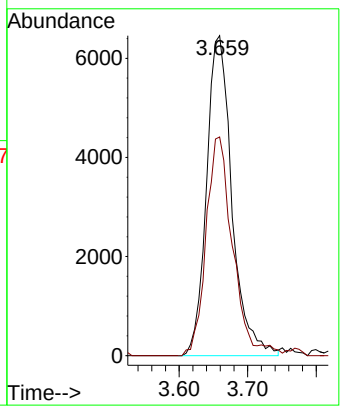
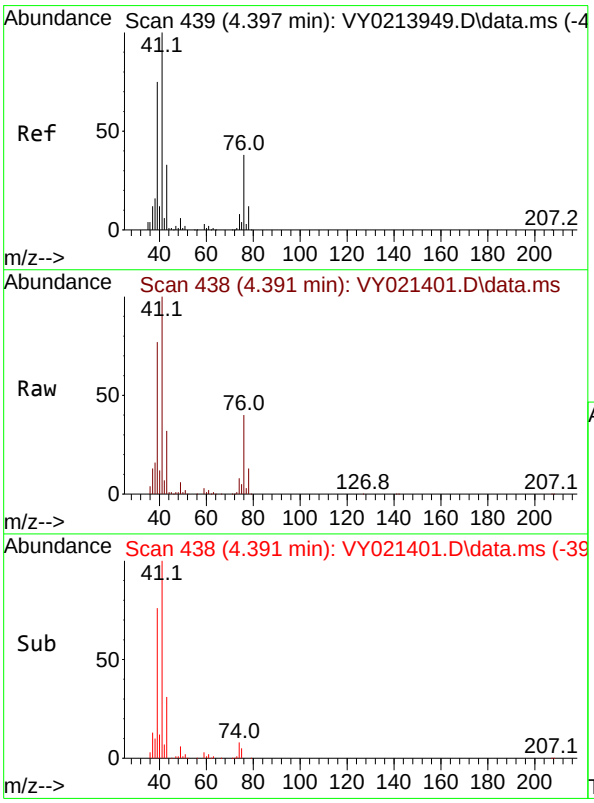
Supervised By :Semsettin Yesilyurt 03/06/2025

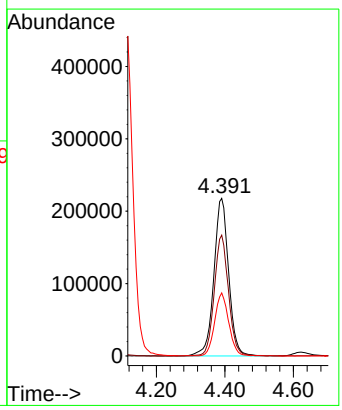


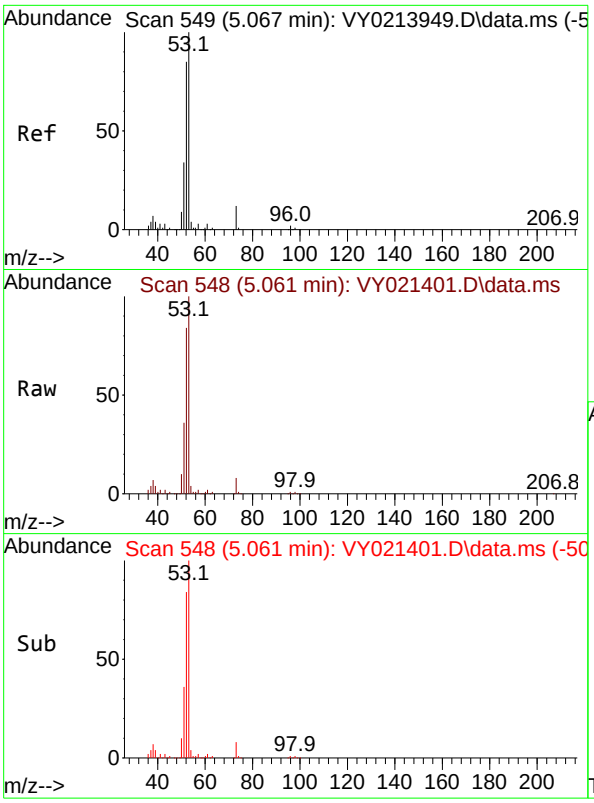


#14
Allyl chloride
Concen: 146.966 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 41 Resp: 650795

Ion	Ratio	Lower	Upper
41	100		
39	73.7	59.3	88.9
76	37.9	29.8	44.8





#15
Acrylonitrile
Concen: 731.212 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 53 Resp: 45409

Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.3	99.5
51	37.5	30.3	45.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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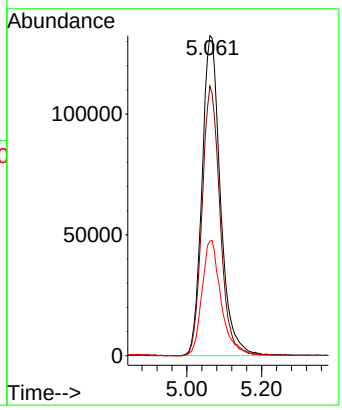
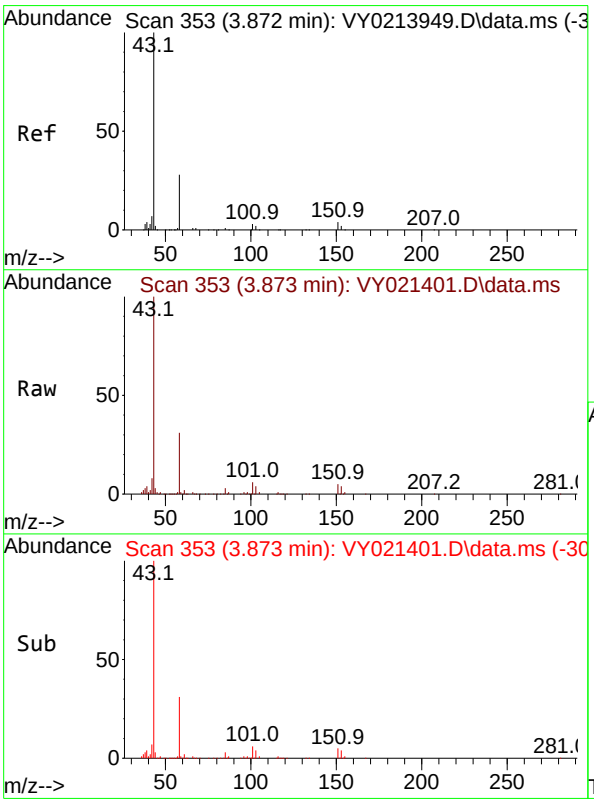
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

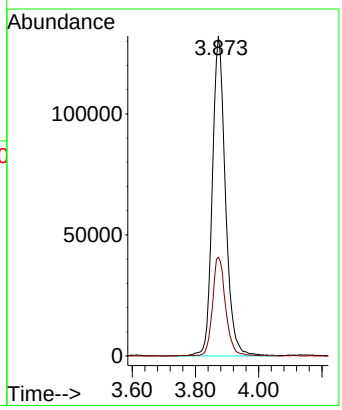


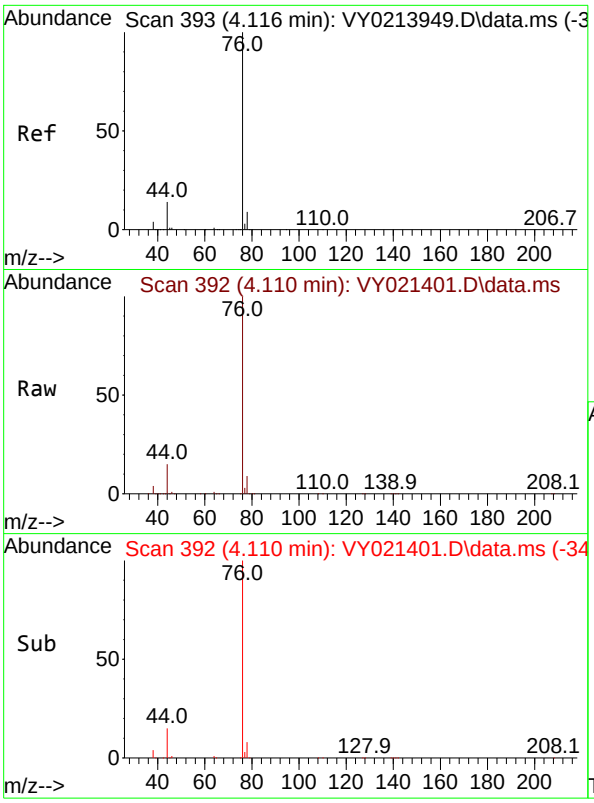


#16
Acetone
Concen: 618.814 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 43 Resp: 380537

Ion	Ratio	Lower	Upper
43	100		
58	30.8	22.1	33.1





#17
Carbon Disulfide
Concen: 144.094 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 76 Resp: 123740

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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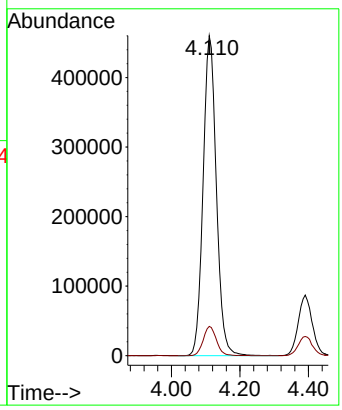
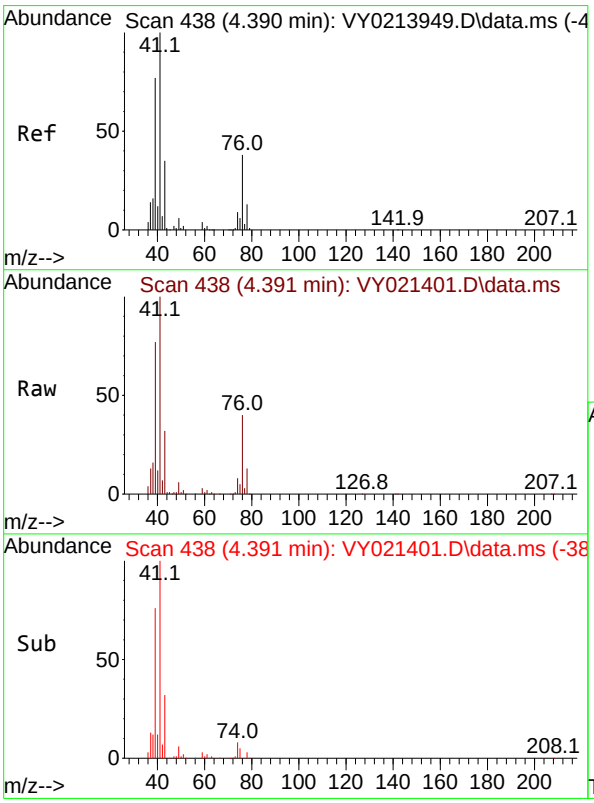
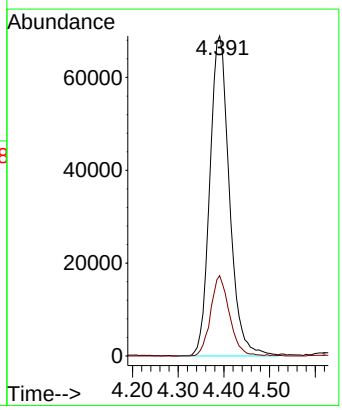


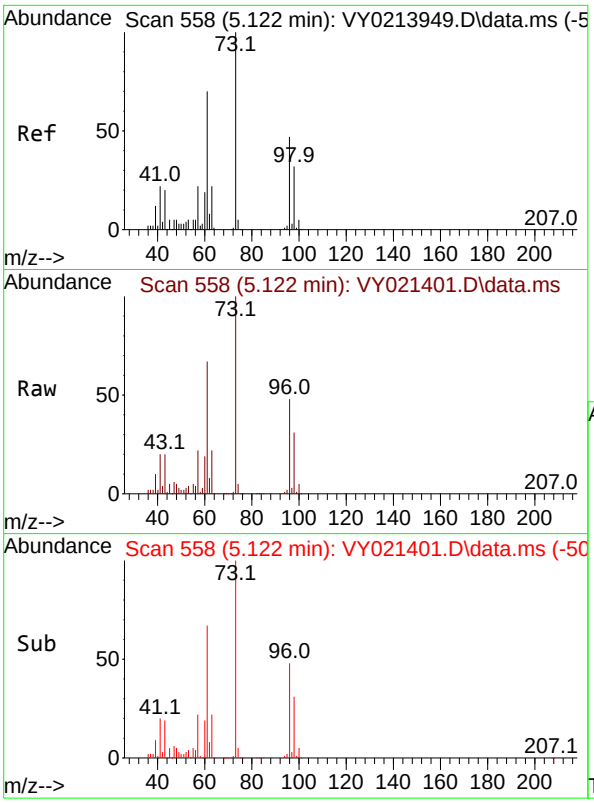


#18
Methyl Acetate
Concen: 150.507 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 43 Resp: 205359

Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.4	29.0

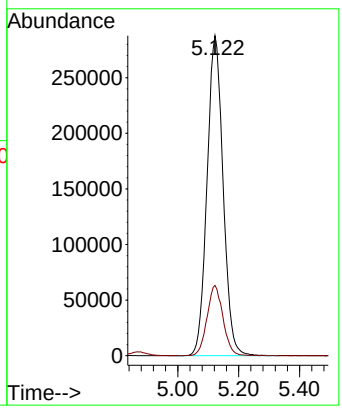




#19
Methyl tert-butyl Ether
Concen: 151.501 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 73 Resp: 105219

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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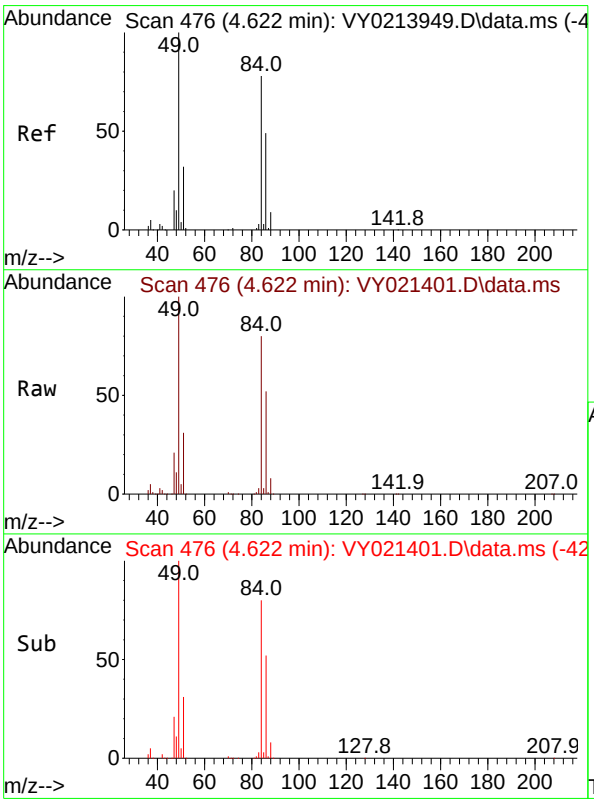
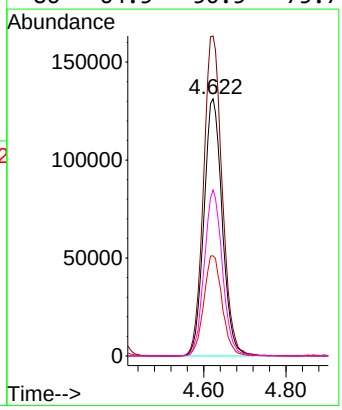
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

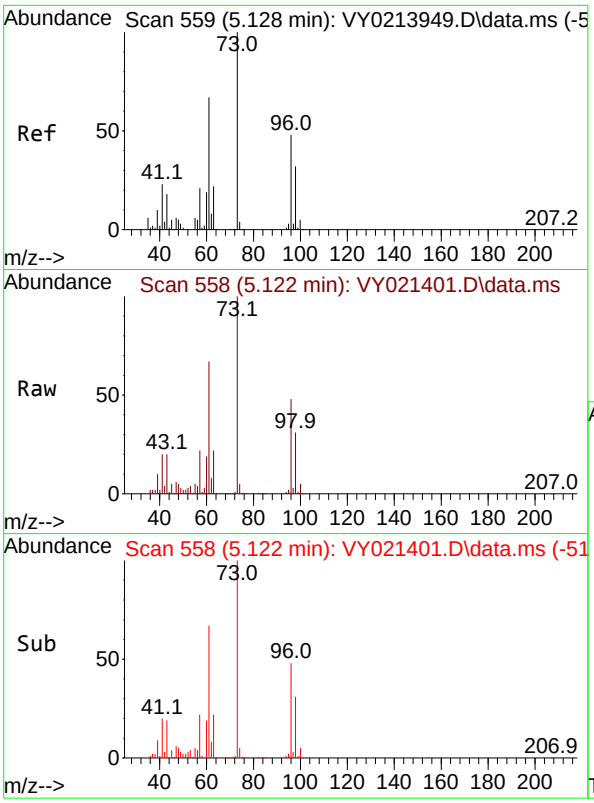


#20
Methylene Chloride
Concen: 125.603 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 84 Resp: 405442

Ion	Ratio	Lower	Upper
84	100		
49	124.4	102.0	153.0
51	38.9	33.0	49.6
86	64.5	50.5	75.7

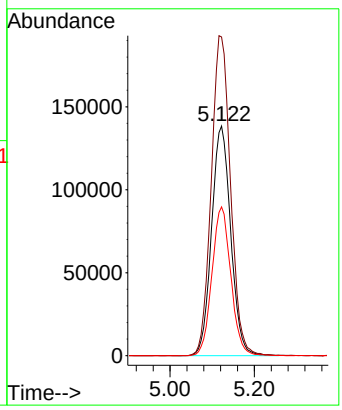




#21
trans-1,2-Dichloroethene
Concen: 142.173 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 96 Resp: 43629

Ion	Ratio	Lower	Upper
96	100		
61	138.8	111.5	167.3
98	64.8	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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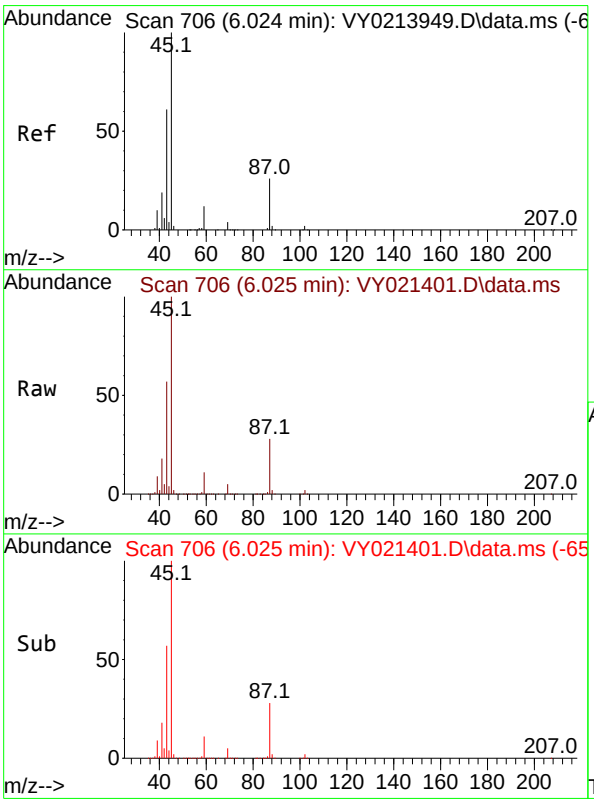
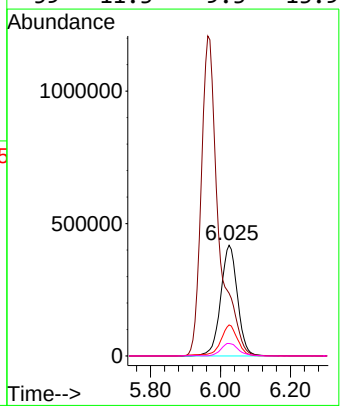
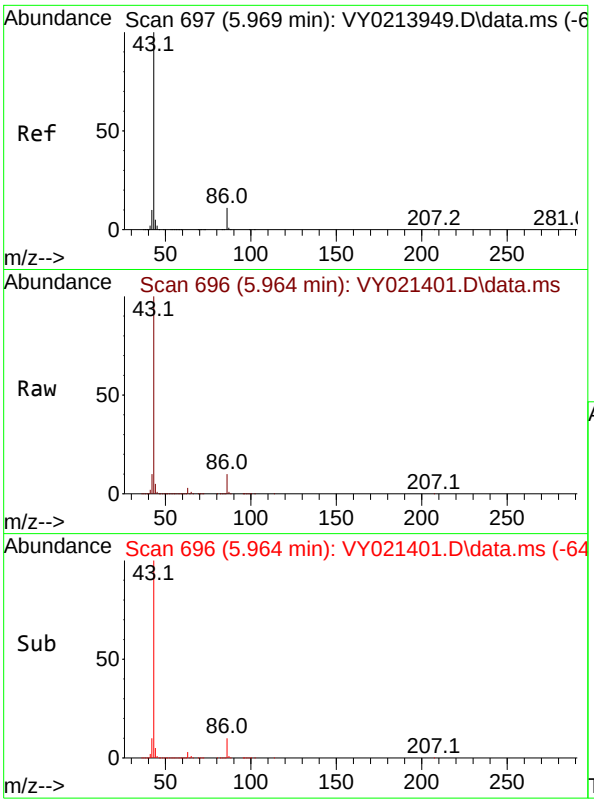


#22
Diisopropyl ether
Concen: 145.730 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 45 Resp: 1390733

Ion	Ratio	Lower	Upper
45	100		
43	56.6	48.7	73.1
87	28.0	21.5	32.3
59	11.3	9.3	13.9

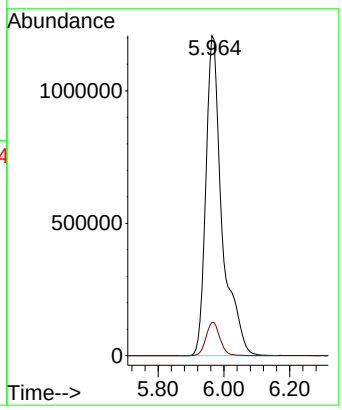




#23
Vinyl Acetate
Concen: 760.601 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 43 Resp: 414251

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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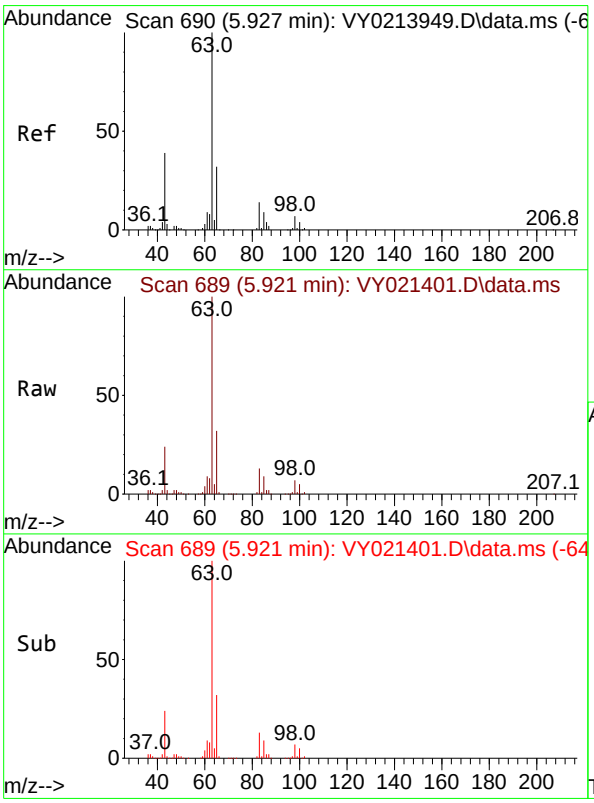
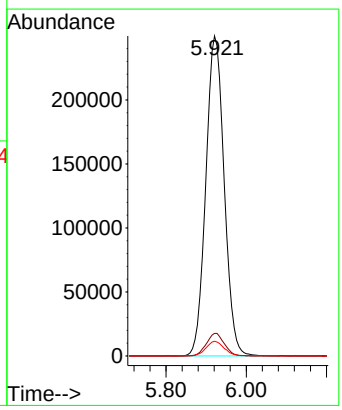
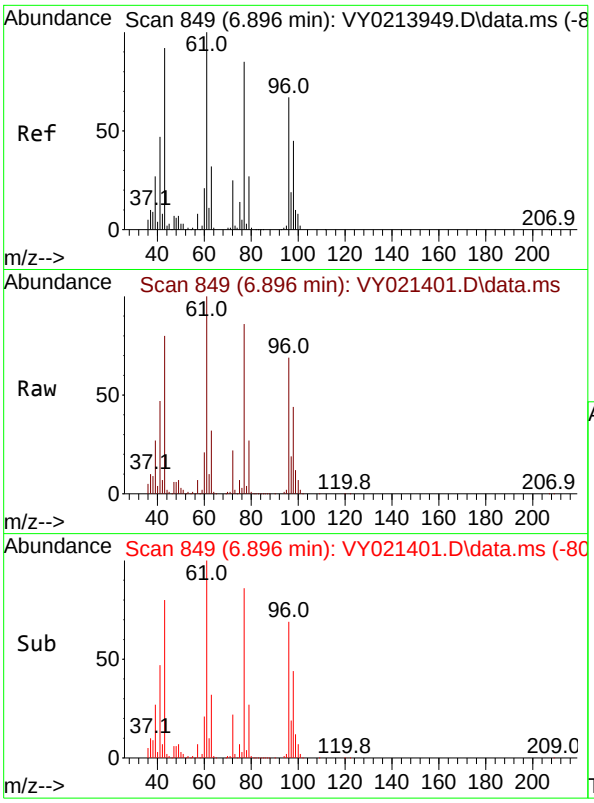


#24
1,1-Dichloroethane
Concen: 140.803 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 63 Resp: 793059

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.9
100	4.6	2.1	6.5

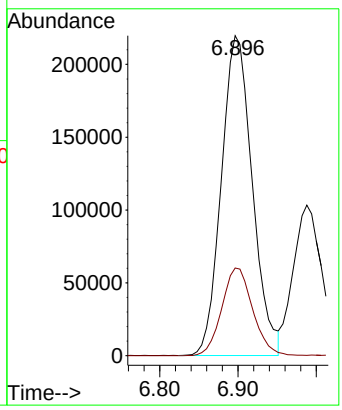




#25
2-Butanone
Concen: 710.631 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 43 Resp: 60450

Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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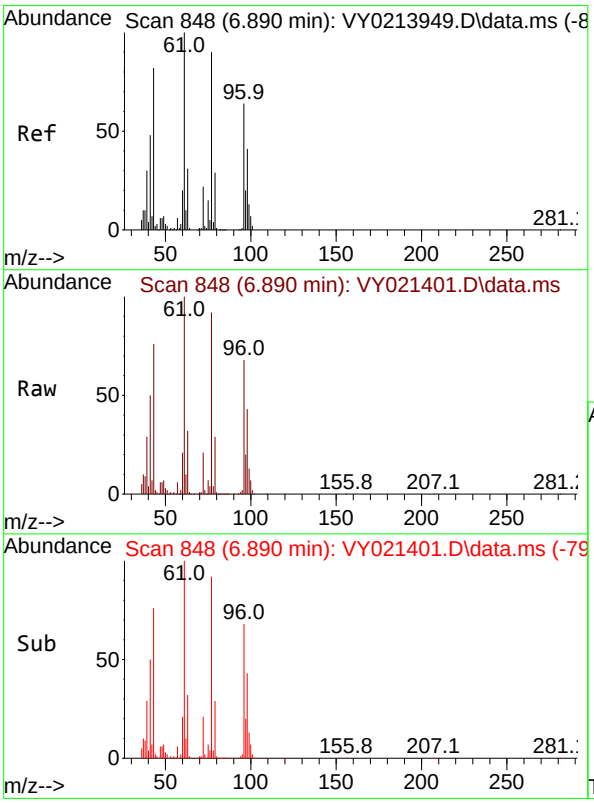
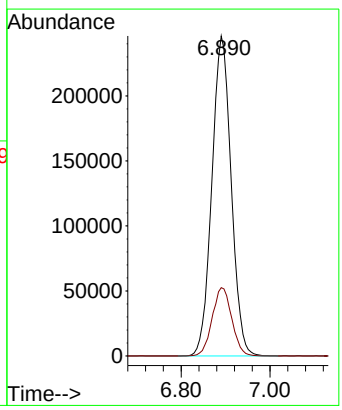
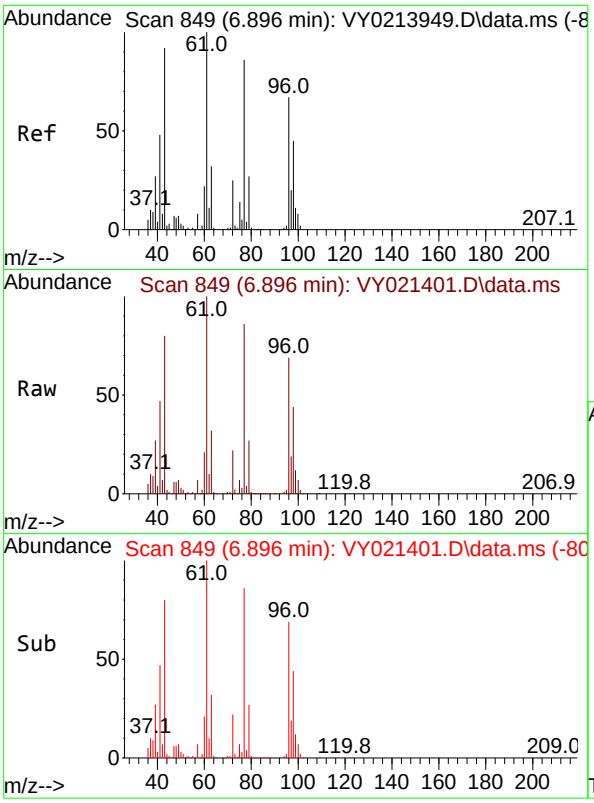


#26
2,2-Dichloropropane
Concen: 142.975 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 77 Resp: 740961

Ion	Ratio	Lower	Upper
77	100		
97	21.6	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 146.639 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 96 Resp: 51121

Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	300.8
98	64.2	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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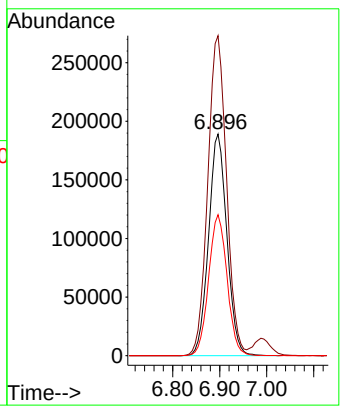
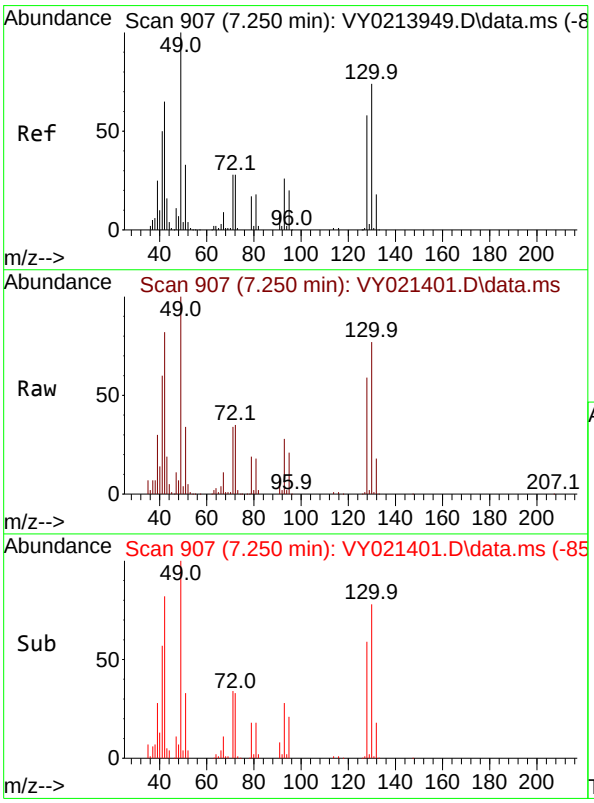
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

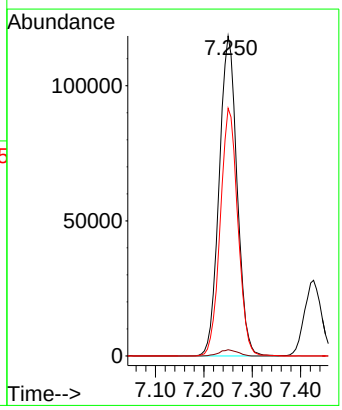


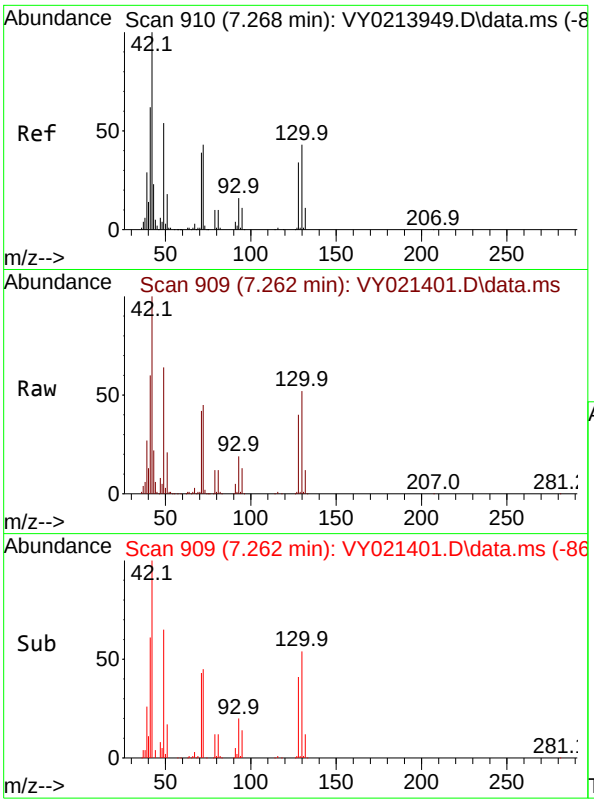


#28
Bromochloromethane
Concen: 128.781 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 49 Resp: 304092

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	76.0	59.6	89.4

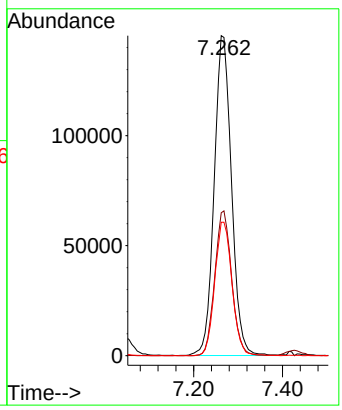




#29
Tetrahydrofuran
Concen: 746.729 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 42 Resp: 39214

Ion	Ratio	Lower	Upper
42	100		
72	44.3	34.8	52.2
71	41.6	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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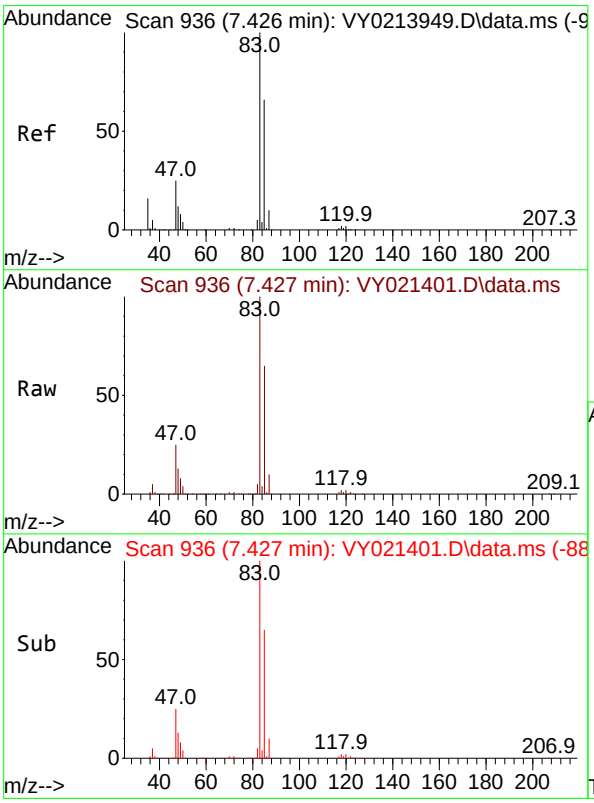
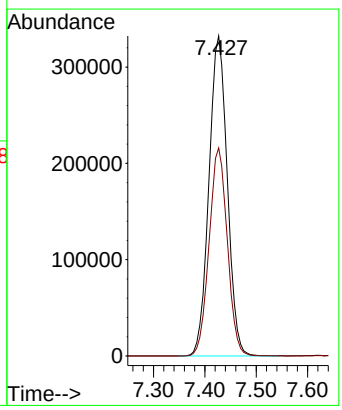
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

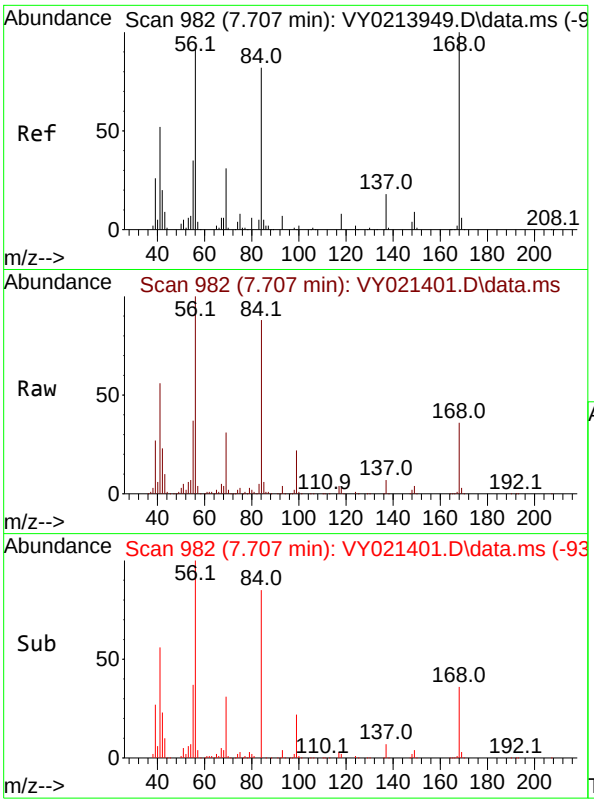


#30
Chloroform
Concen: 140.790 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 83 Resp: 823431

Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.1	79.7





#31
Cyclohexane
Concen: 138.566 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 56 Resp: 73168

Ion	Ratio	Lower	Upper
56	100		
69	31.3	27.0	40.4
84	86.5	71.1	106.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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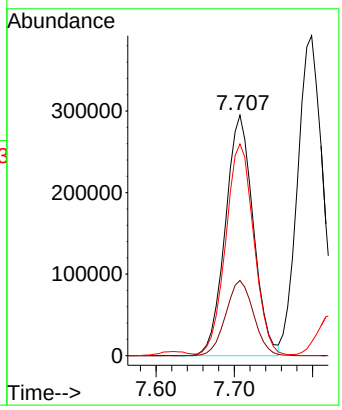
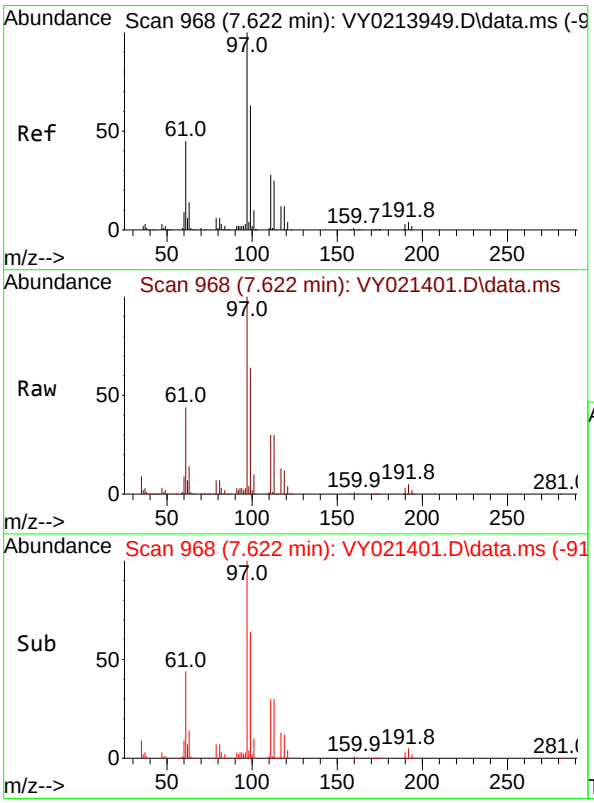
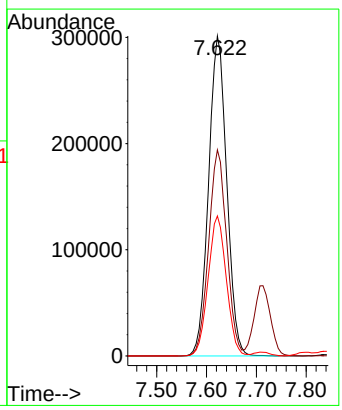


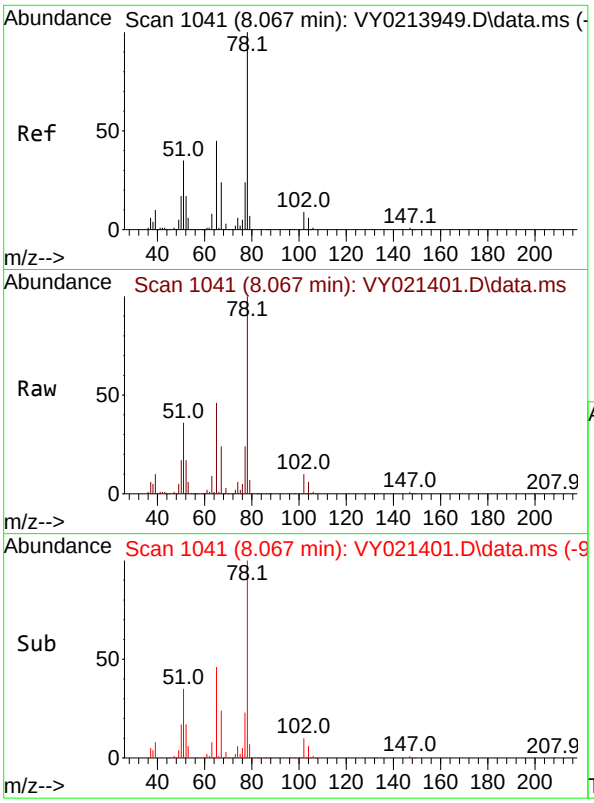


#32
1,1,1-Trichloroethane
Concen: 142.442 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 97 Resp: 762807

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	43.9	35.7	53.5





#33
1,2-Dichloroethane-d4
Concen: 135.494 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 65 Resp: 38201

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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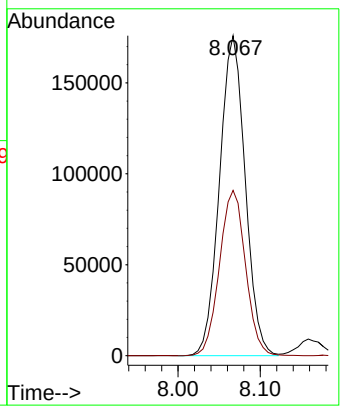
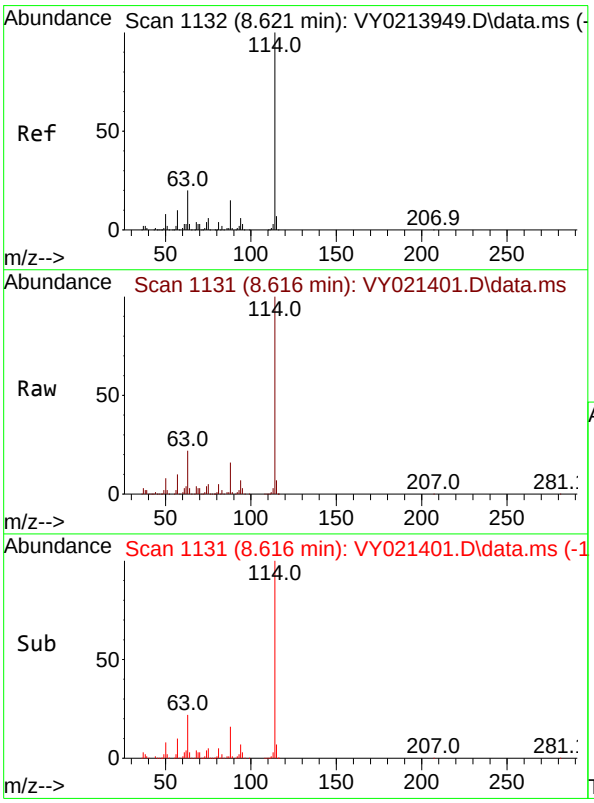
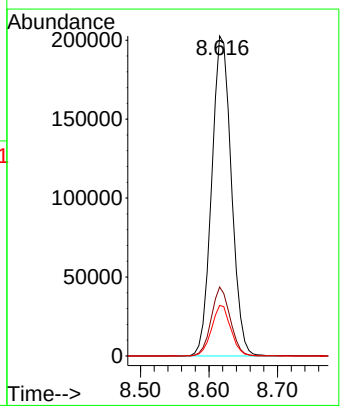


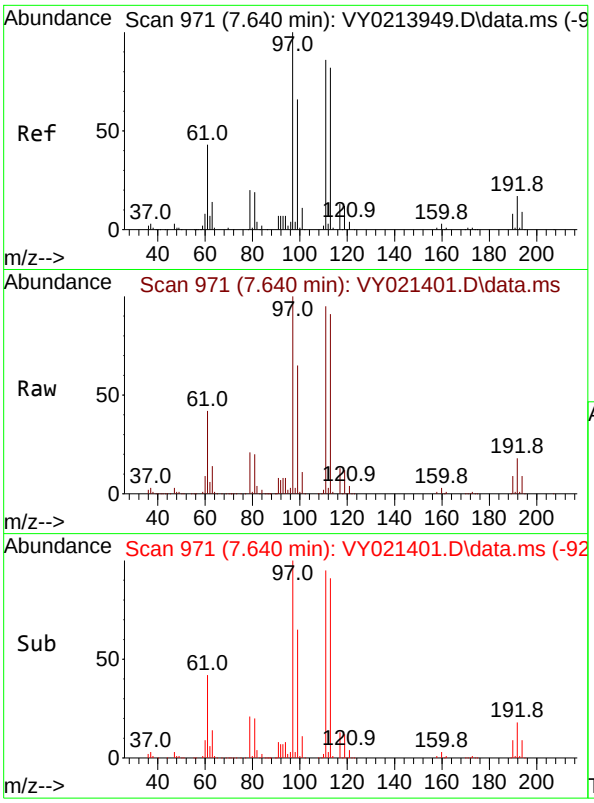


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:114 Resp: 403017

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	40.8
88	15.8	0.0	30.8





#35
Dibromofluoromethane
Concen: 142.080 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:113 Resp: 37638

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	19.6	15.9	23.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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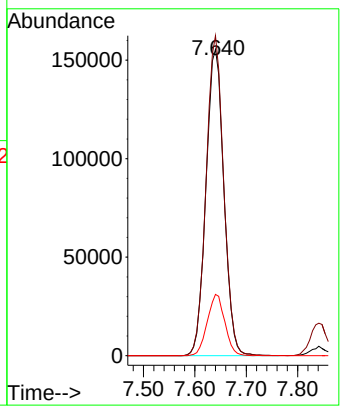
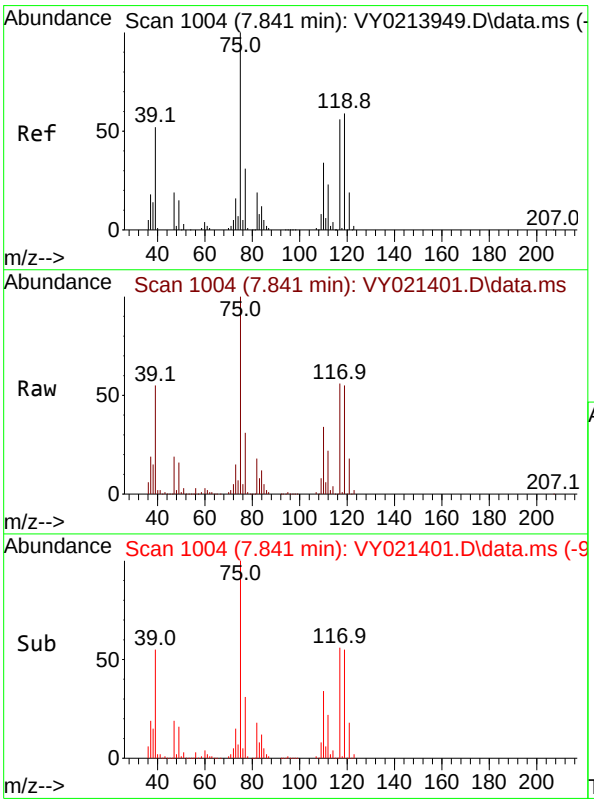
Supervised By :Semsettin Yesilyurt 03/06/2025

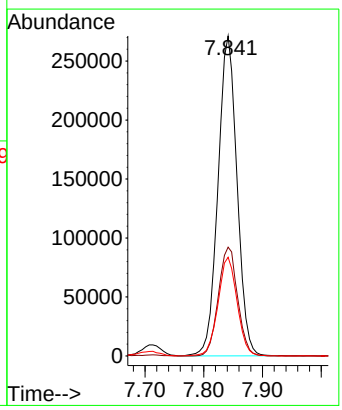


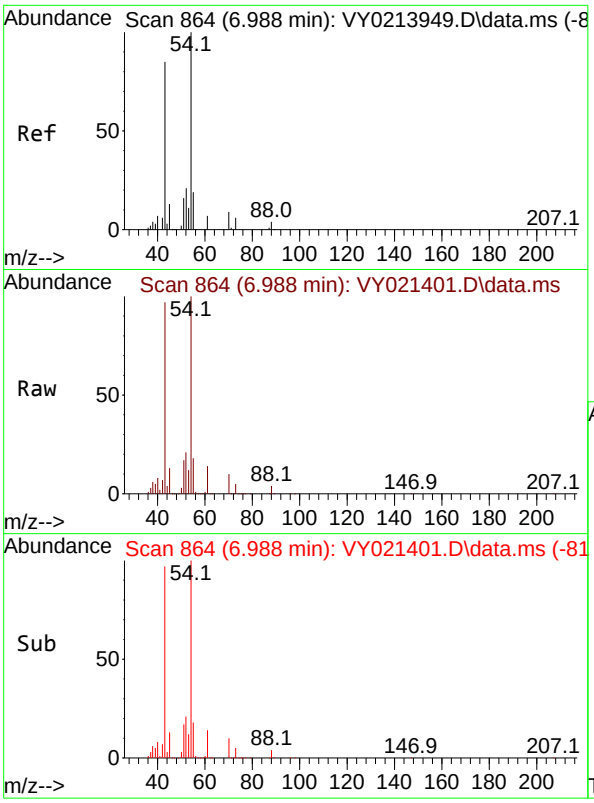


#36
1,1-Dichloropropene
Concen: 147.009 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 75 Resp: 609596

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	51.7
77	31.1	25.4	38.2





#37
Ethyl Acetate
Concen: 145.189 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 43 Resp: 27157

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.4	17.0
70	10.1	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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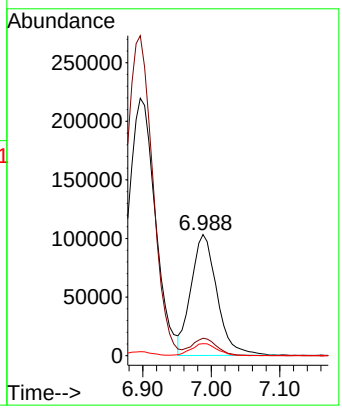
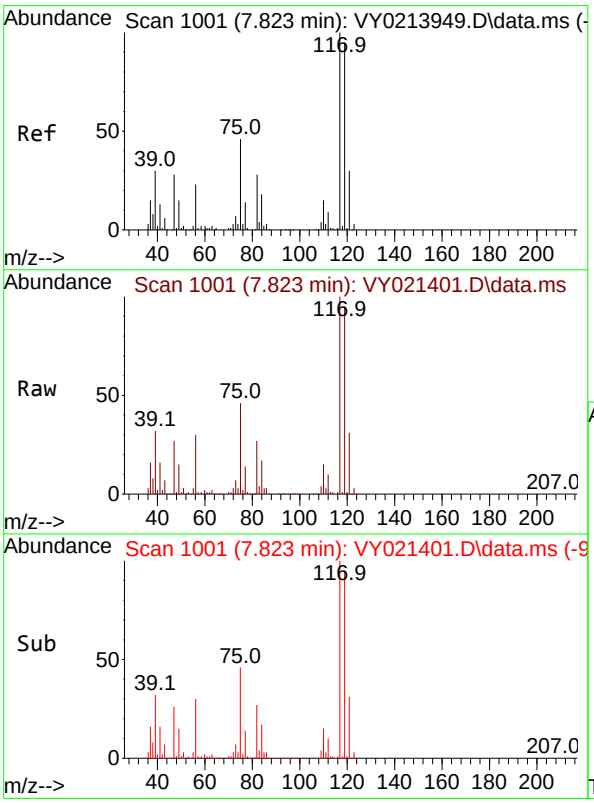
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

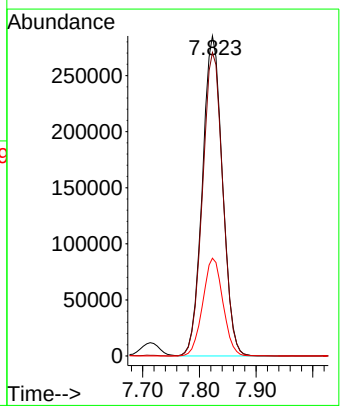


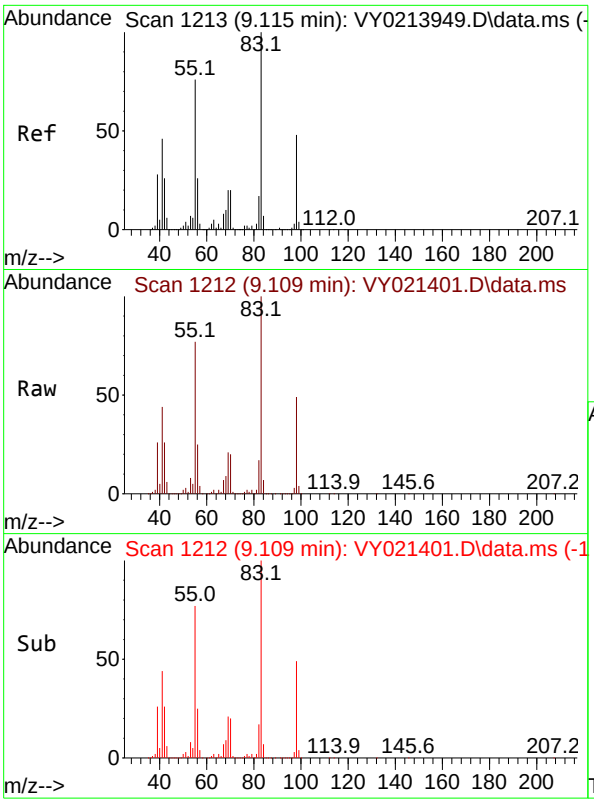


#38
Carbon Tetrachloride
Concen: 146.916 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:117 Resp: 700638

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
121	30.6	23.9	35.9





#39
Methylcyclohexane
Concen: 158.954 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 83 Resp: 80849

Ion	Ratio	Lower	Upper
83	100		
55	76.7	60.7	91.1
98	48.7	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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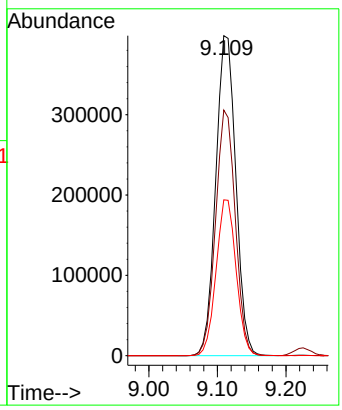
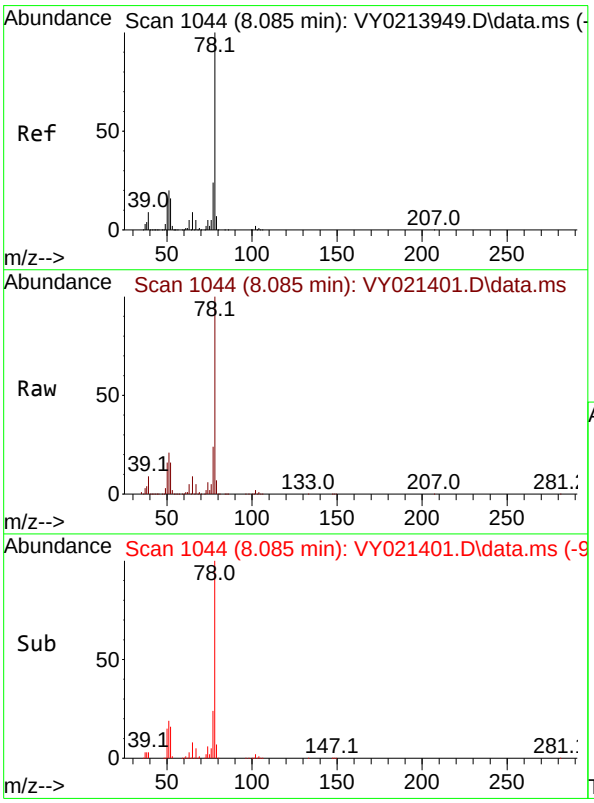
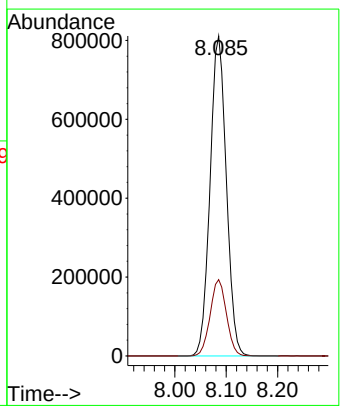


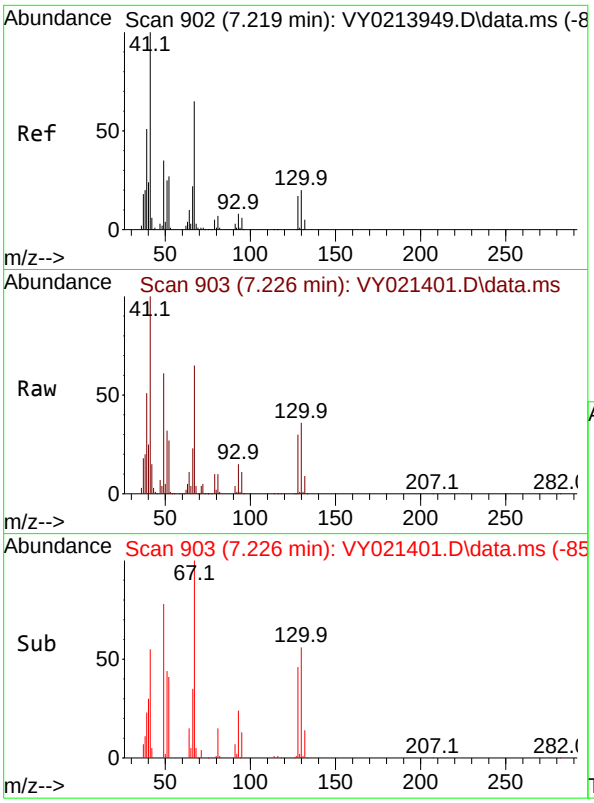


#40
Benzene
Concen: 145.818 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 78 Resp: 1781188

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4

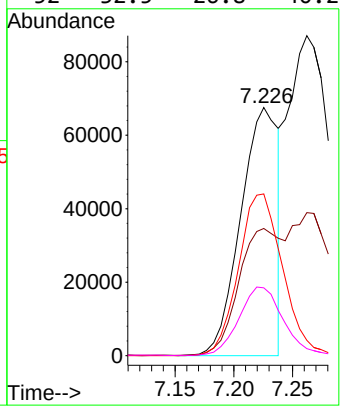




#41
Methacrylonitrile
Concen: 147.676 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 41 Resp: 15045

Ion	Ratio	Lower	Upper
41	100		
39	61.1	35.0	52.6
67	76.9	61.2	91.8
52	32.5	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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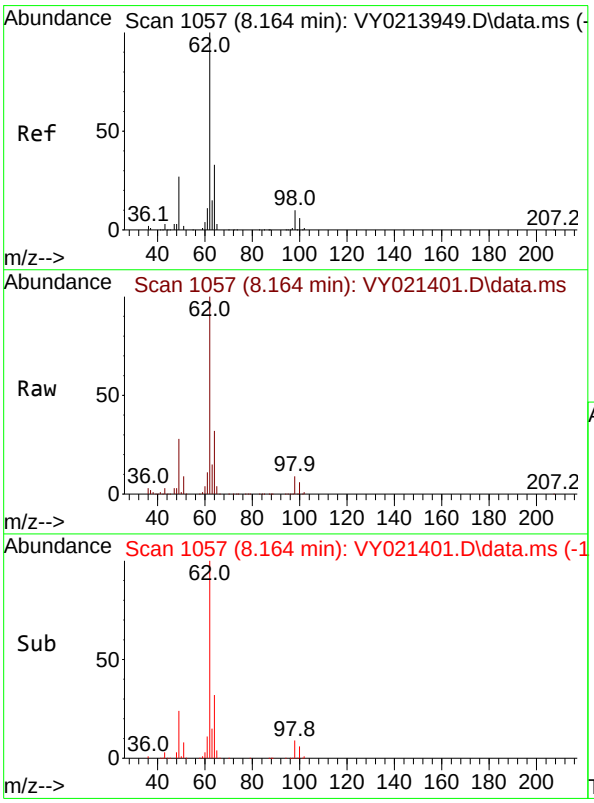
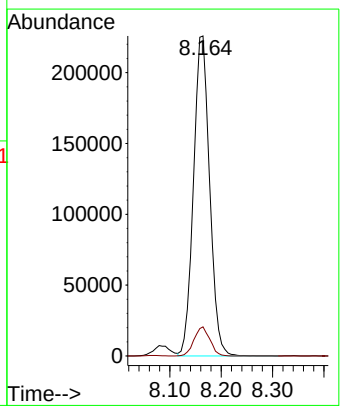
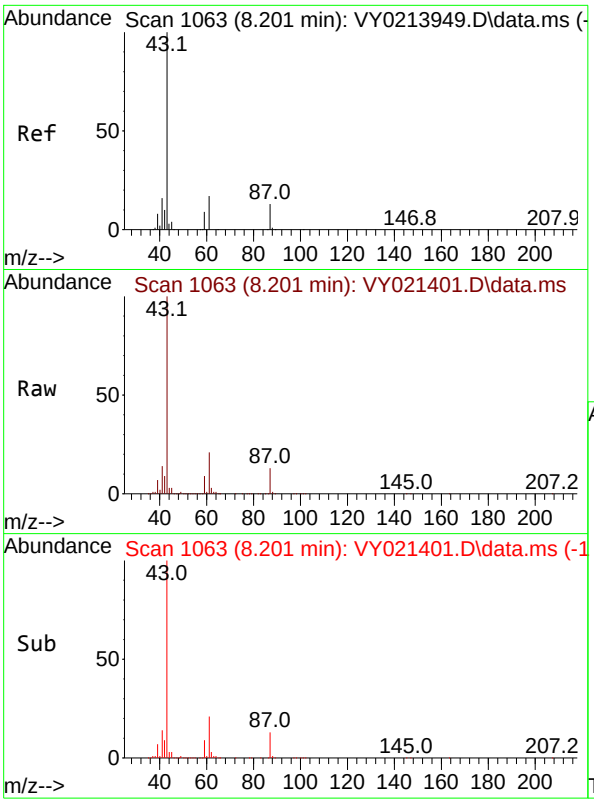


#42
1,2-Dichloroethane
Concen: 144.299 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 62 Resp: 493103

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2

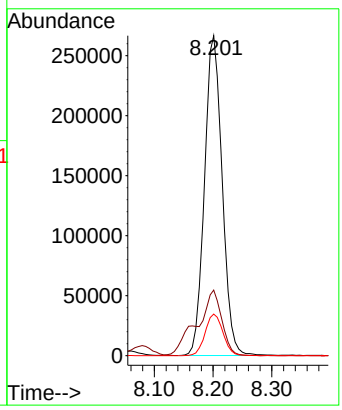




#43
Isopropyl Acetate
Concen: 156.557 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 43 Resp: 55701

Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.4	35.0
87	13.2	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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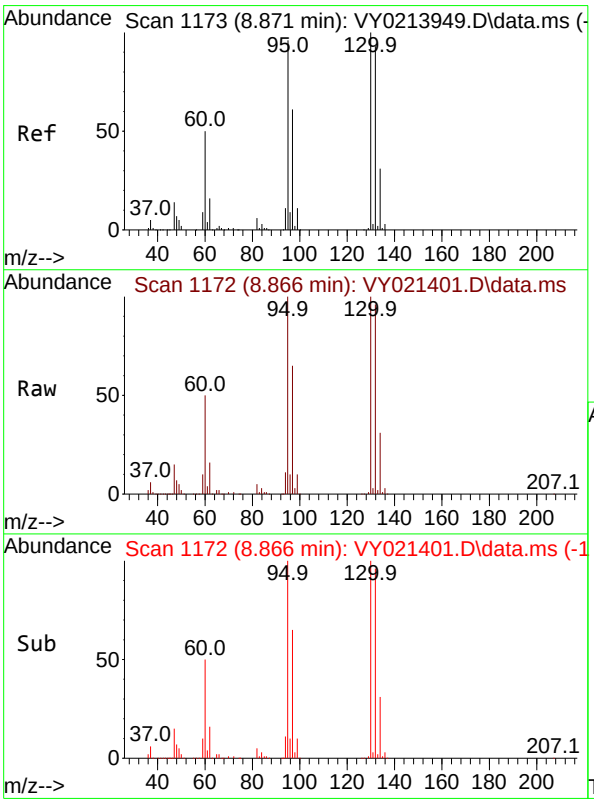
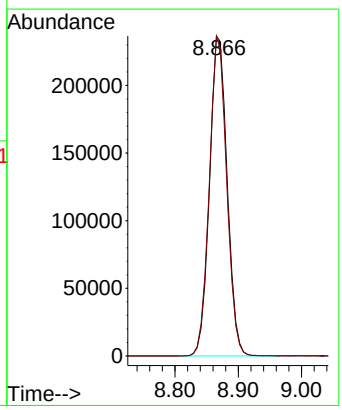
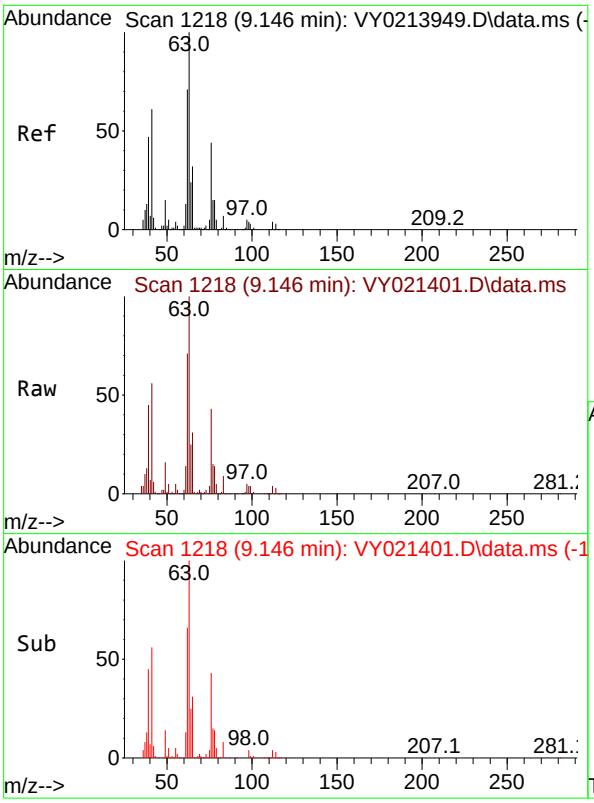


#44
Trichloroethene
Concen: 148.000 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:130 Resp: 456841

Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	191.6





#45
1,2-Dichloropropane
Concen: 144.273 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 63 Resp: 41943

Ion	Ratio	Lower	Upper
63	100		
65	31.1	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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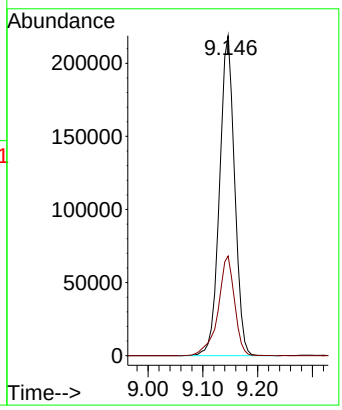
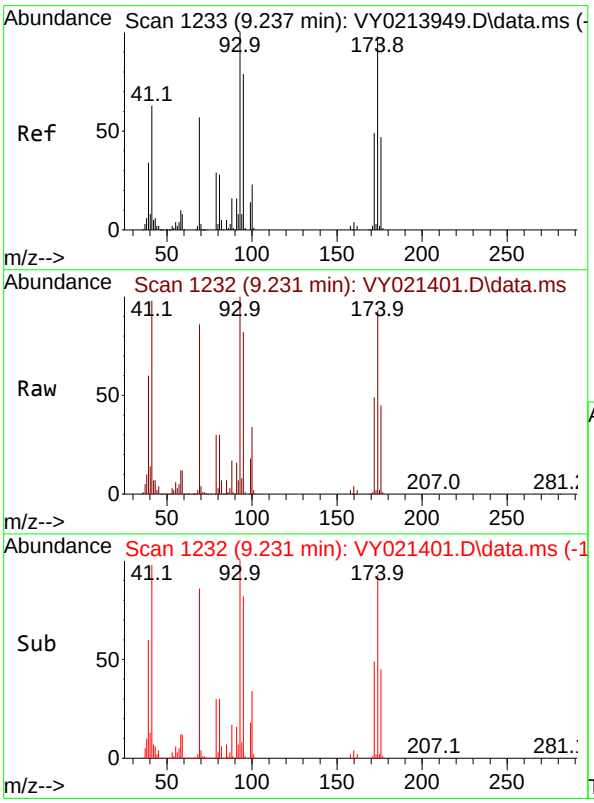
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

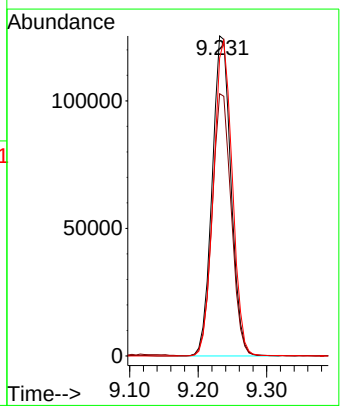


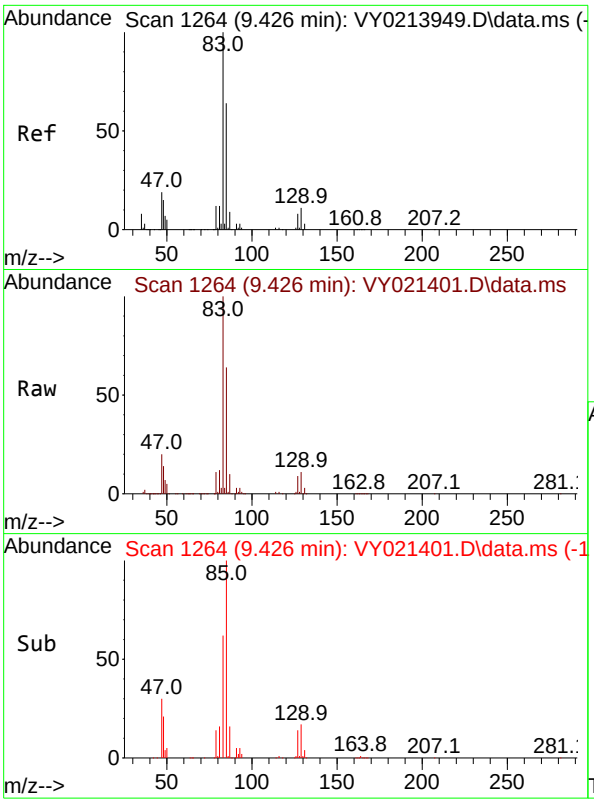


#46
Dibromomethane
Concen: 148.107 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 93 Resp: 239577

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.8	98.8
174	98.4	77.9	116.9

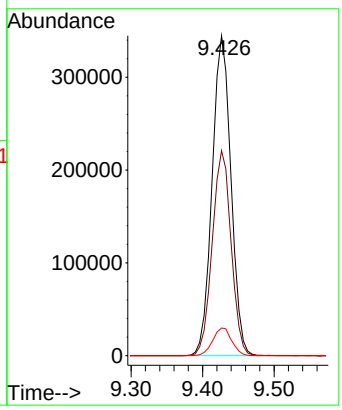




#47
Bromodichloromethane
Concen: 146.641 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 83 Resp: 62994

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	8.6	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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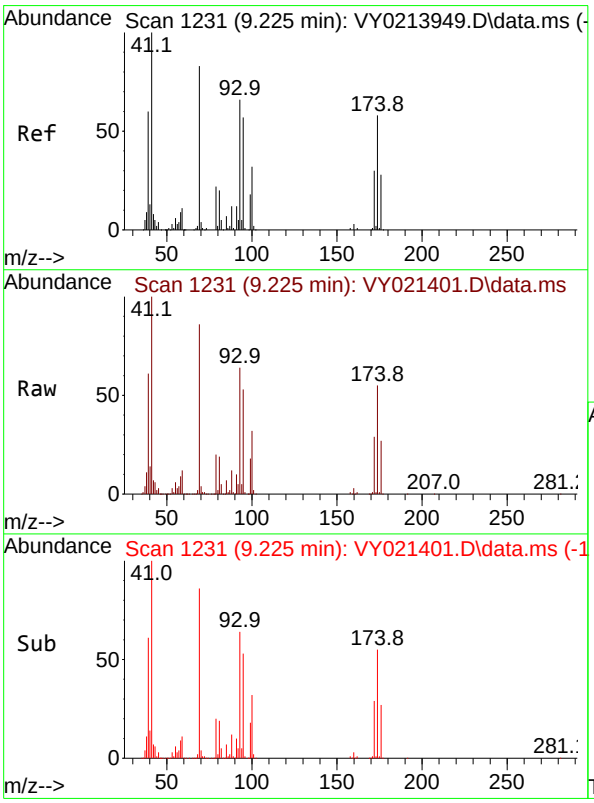
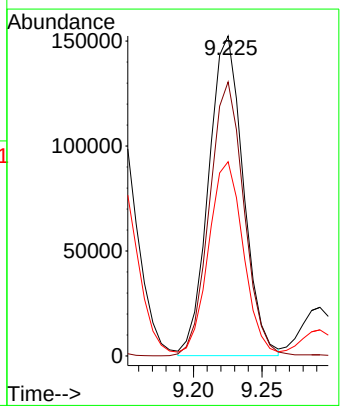
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

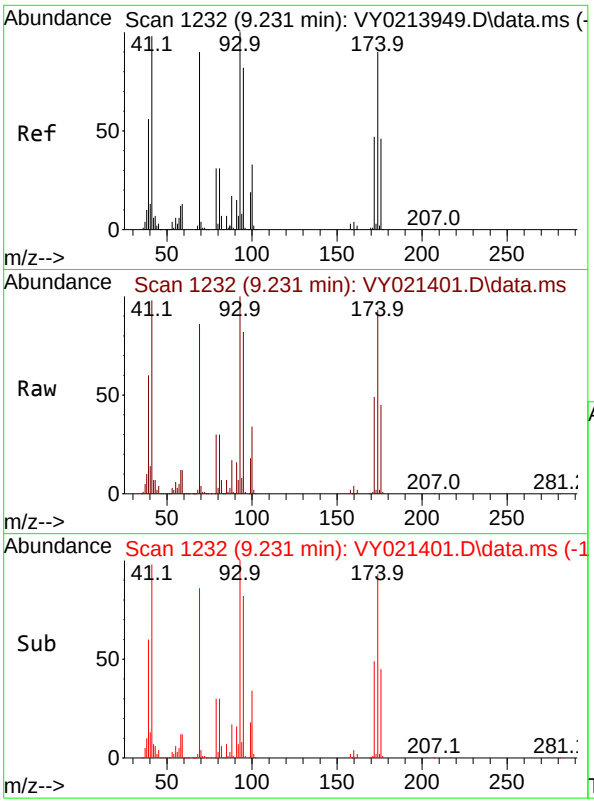


#48
Methyl methacrylate
Concen: 162.482 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 41 Resp: 268043

Ion	Ratio	Lower	Upper
41	100		
69	85.6	67.8	101.8
39	58.7	46.4	69.6

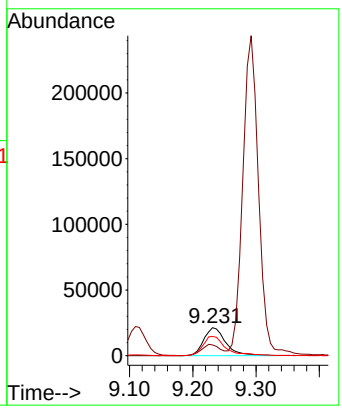




#49
1,4-Dioxane
Concen: 3238.027 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 88 Resp: 5141

Ion	Ratio	Lower	Upper
88	100		
43	33.1	25.0	37.4
58	71.8	58.4	87.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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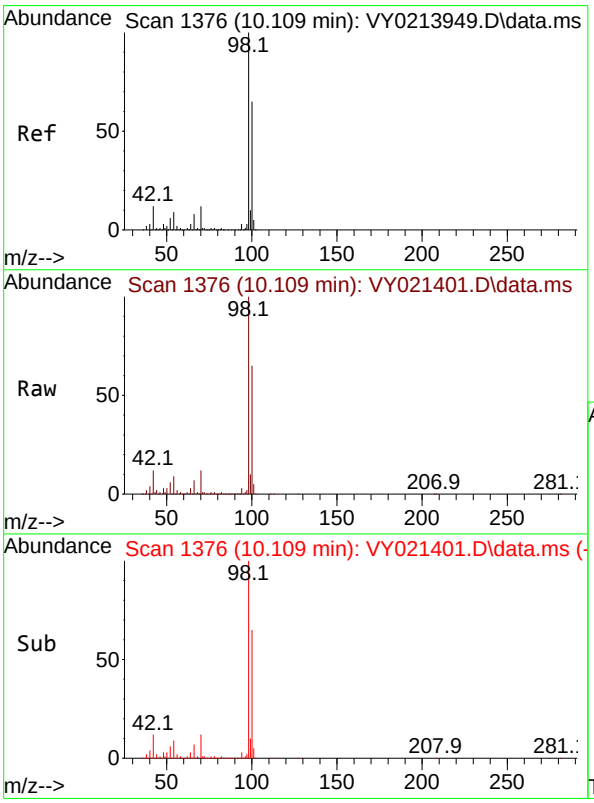
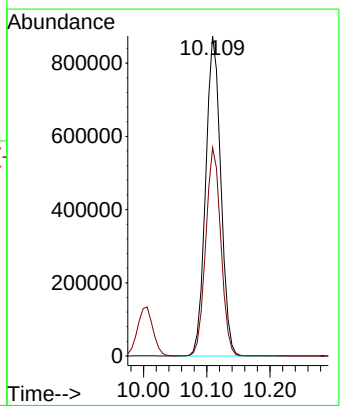
Supervised By :Semsettin Yesilyurt 03/06/2025

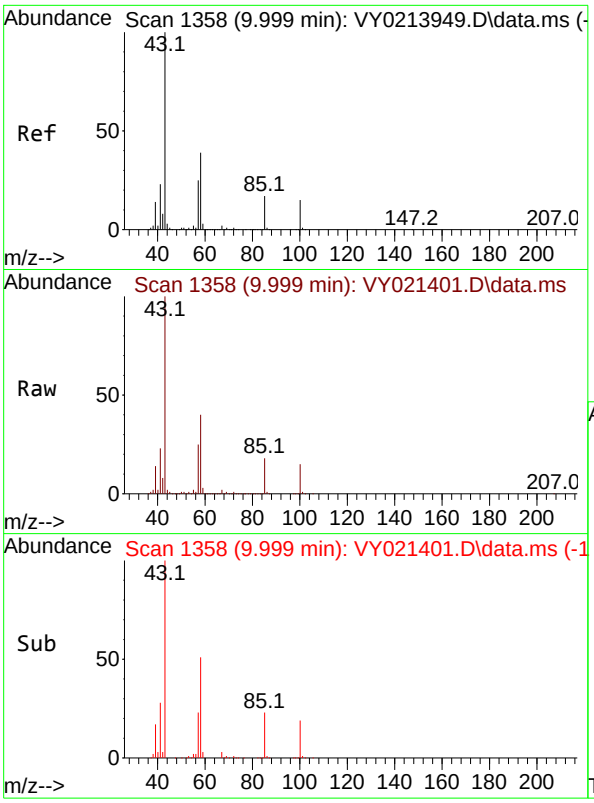


#50
Toluene-d8
Concen: 144.978 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 98 Resp: 1454175

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 800.119 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 43 Resp: 146881

Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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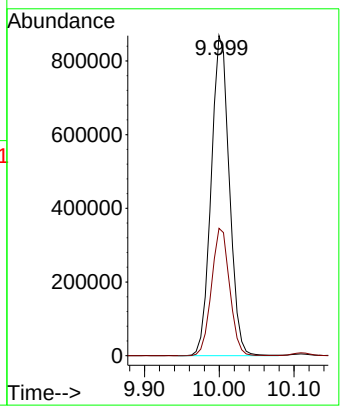
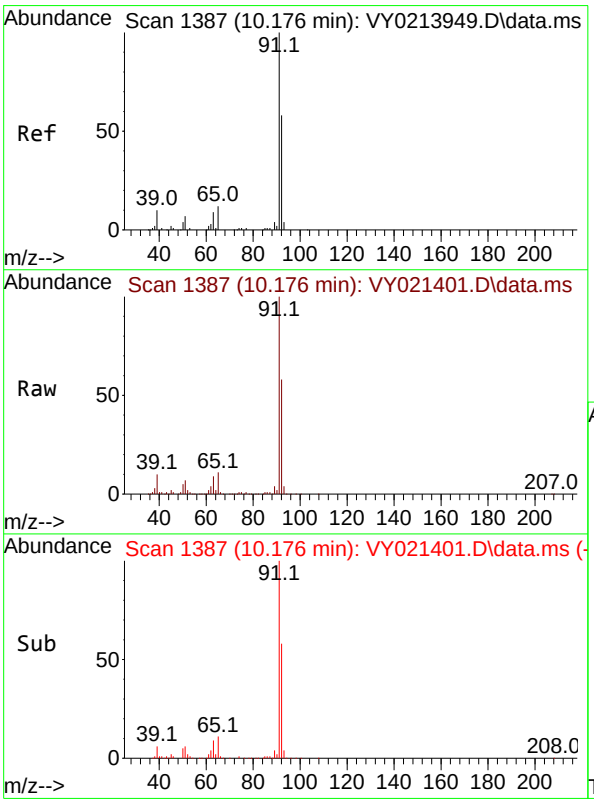
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

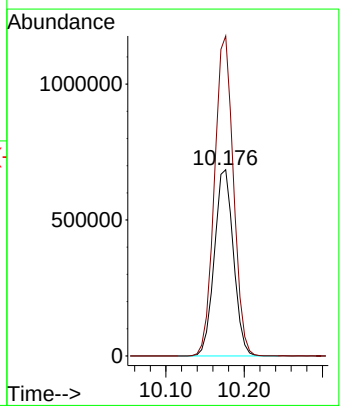


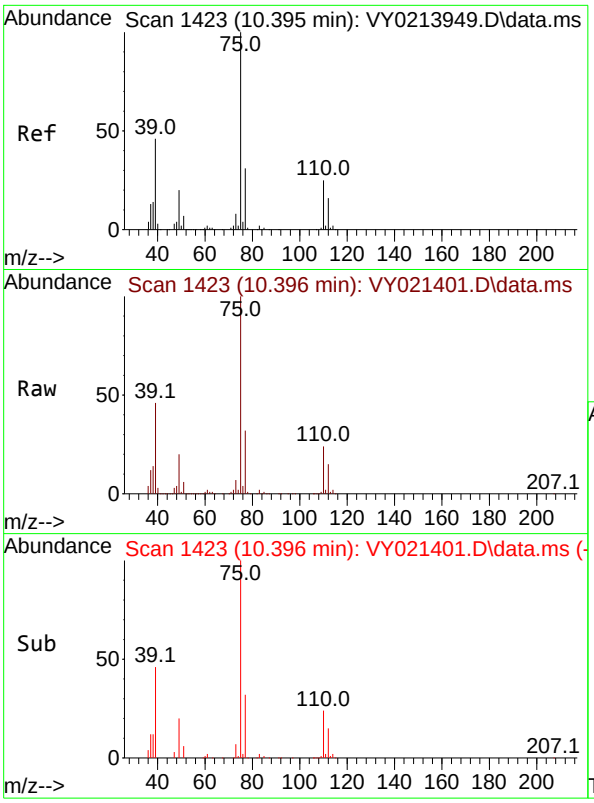


#52
Toluene
Concen: 150.411 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 92 Resp: 1158338

Ion	Ratio	Lower	Upper
92	100		
91	171.2	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 158.120 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 75 Resp: 59843

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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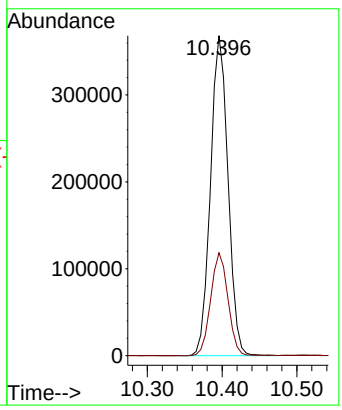
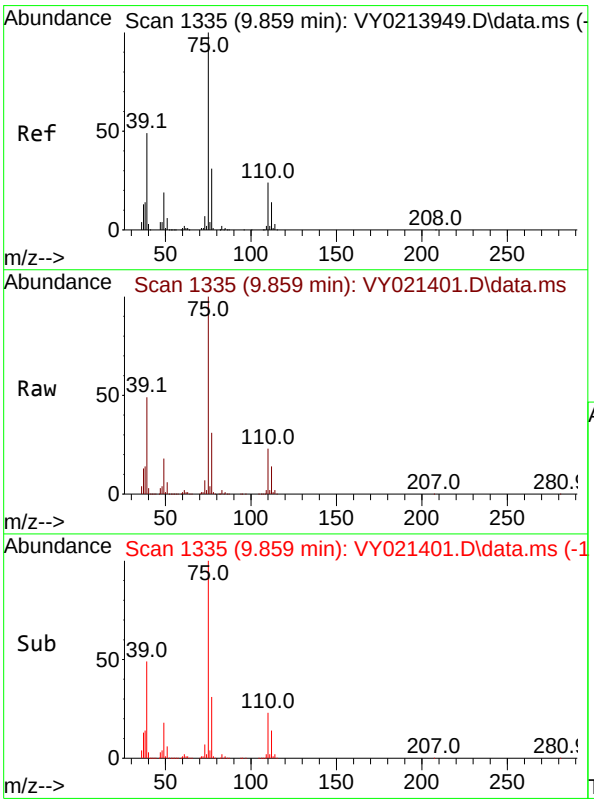
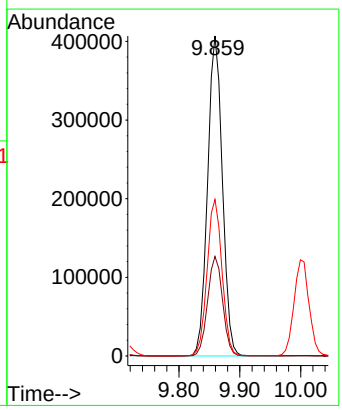


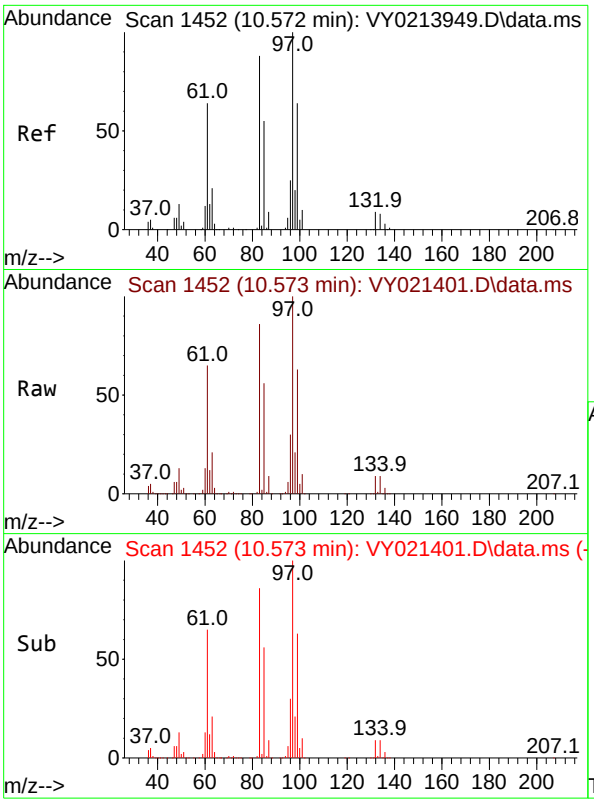


#54
cis-1,3-Dichloropropene
Concen: 152.359 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 75 Resp: 684617

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	37.0
39	48.9	39.4	59.2

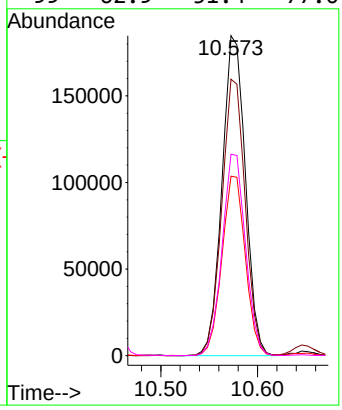




#55
1,1,2-Trichloroethane
Concen: 146.586 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 97 Resp: 31017

Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.0	105.0
85	56.1	44.3	66.5
99	62.9	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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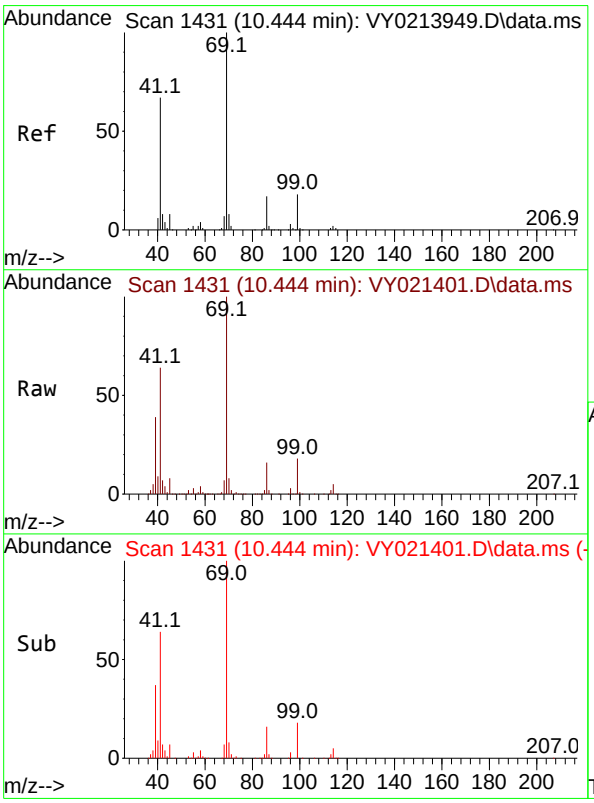
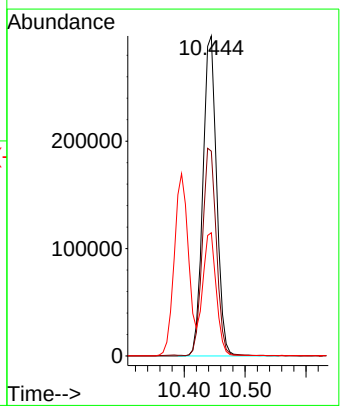
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

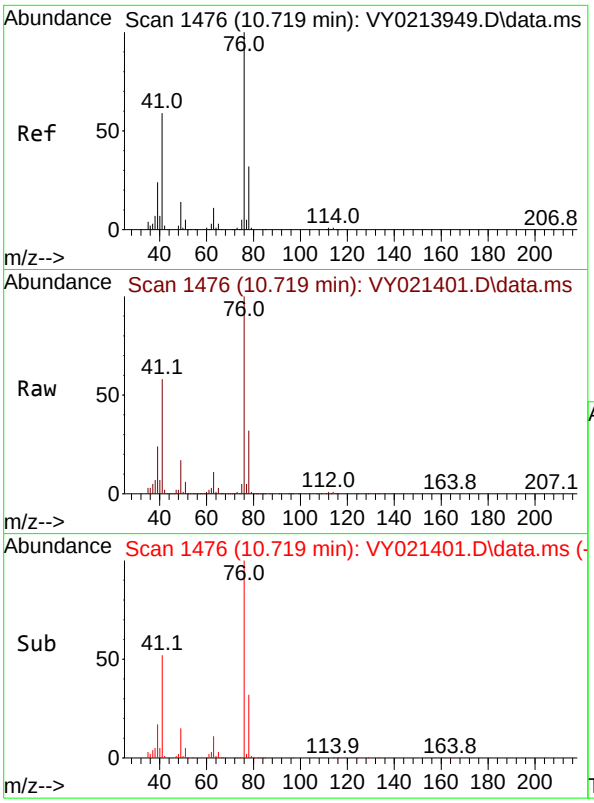


#56
Ethyl methacrylate
Concen: 172.939 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 69 Resp: 466697

Ion	Ratio	Lower	Upper
69	100		
41	65.8	53.3	79.9
39	37.5	31.0	46.6





#57
1,3-Dichloropropane
Concen: 148.802 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 76 Resp: 54571

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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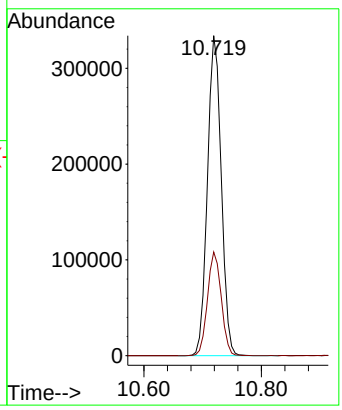
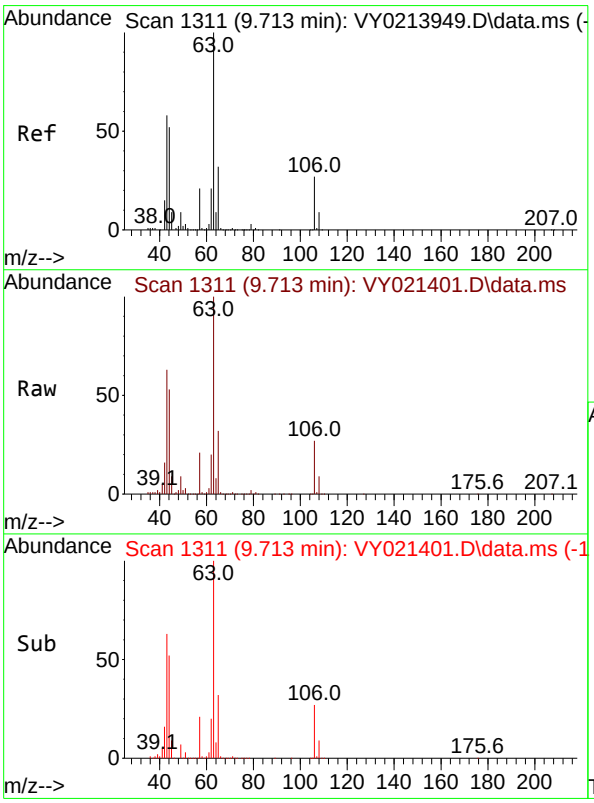
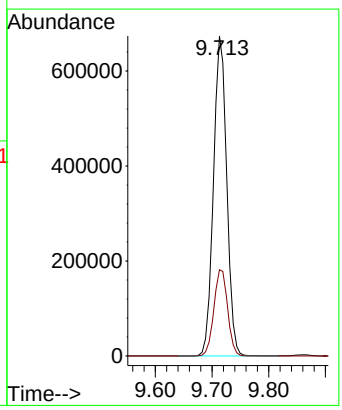


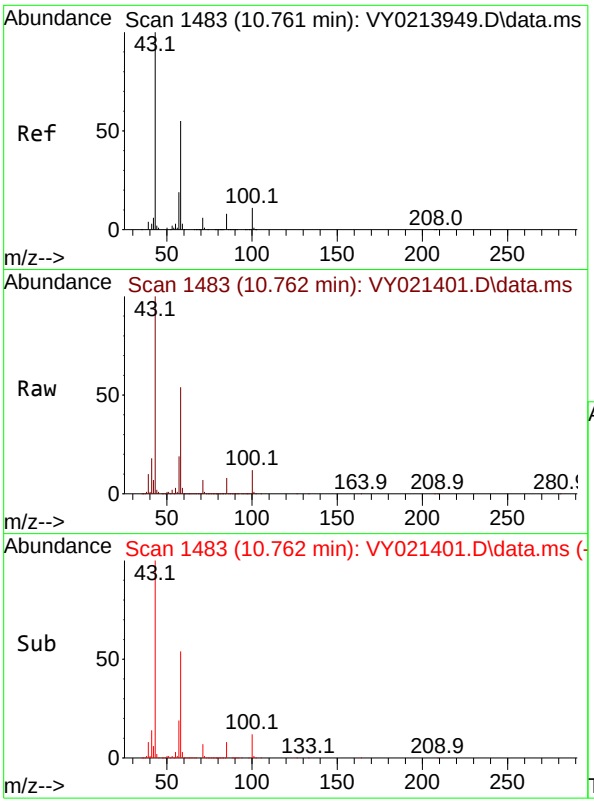


#58
2-Chloroethyl Vinyl ether
Concen: 878.264 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 63 Resp: 1094099

Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.1	33.1





#59
2-Hexanone
Concen: 810.617 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 43 Resp: 98395

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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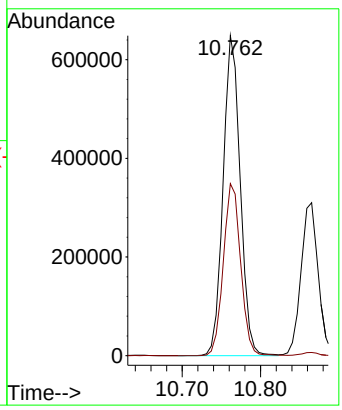
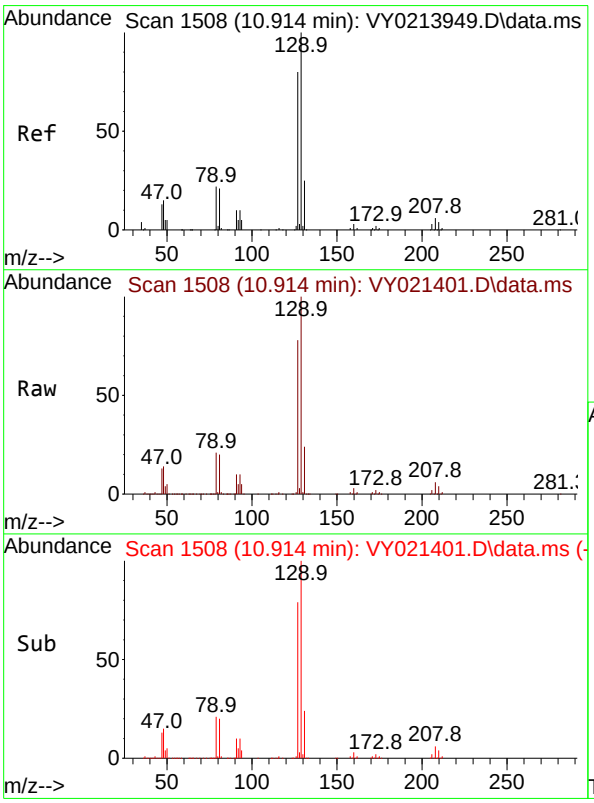
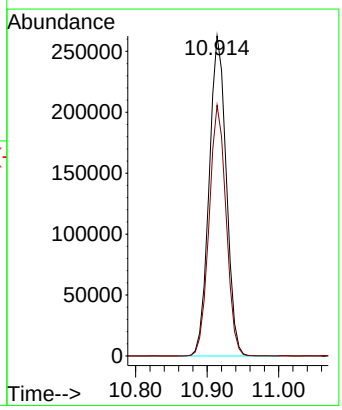


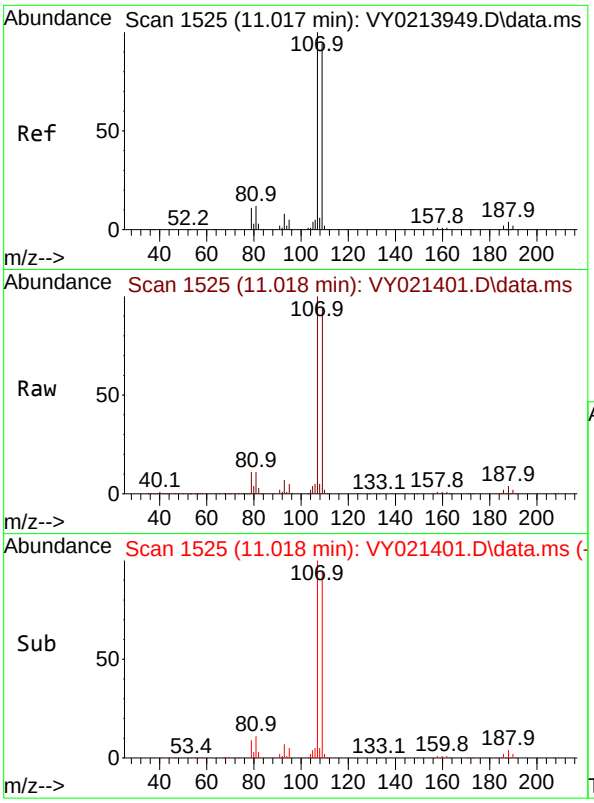


#60
Dibromochloromethane
Concen: 150.595 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:129 Resp: 436855

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.3





#61
1,2-Dibromoethane
Concen: 149.635 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:107 Resp: 29882

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 03/06/2025
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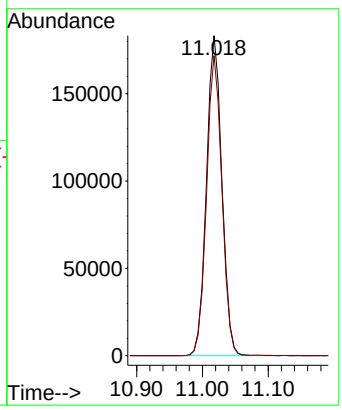
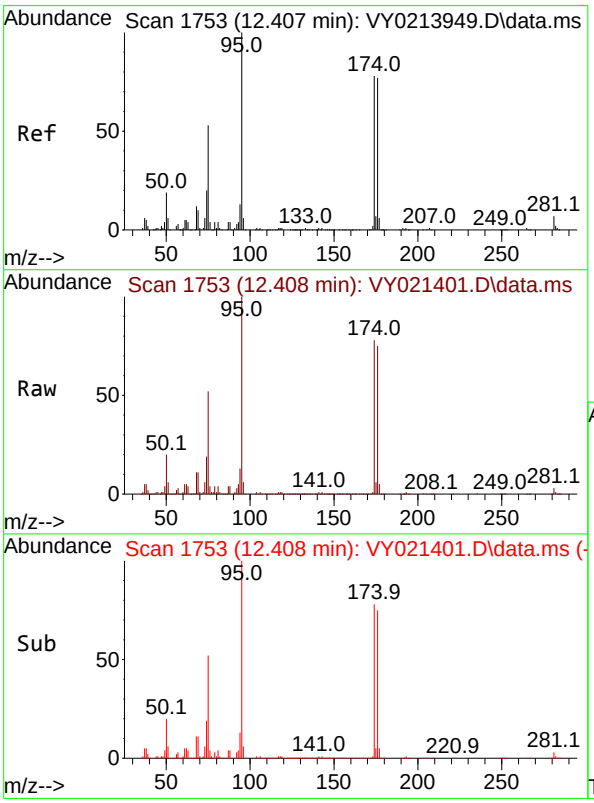
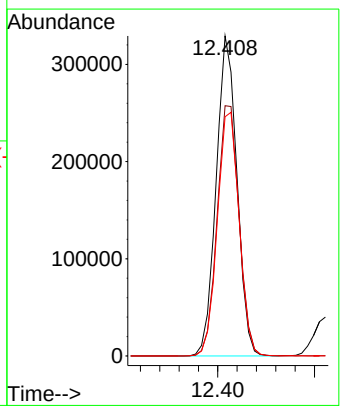


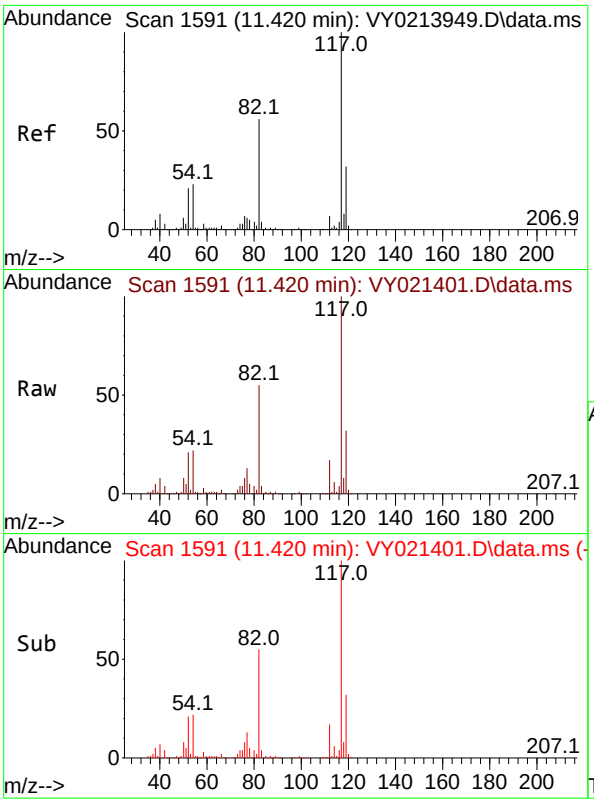


#62
4-Bromofluorobenzene
Concen: 143.450 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 95 Resp: 489437

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	165.0
176	79.9	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:117 Resp: 35582

Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	67.0
119	32.2	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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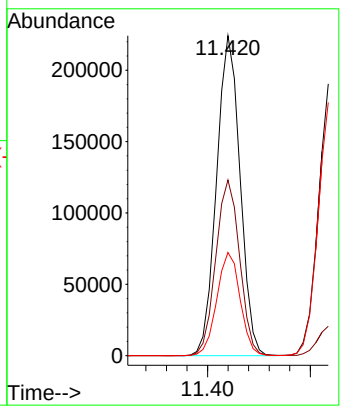
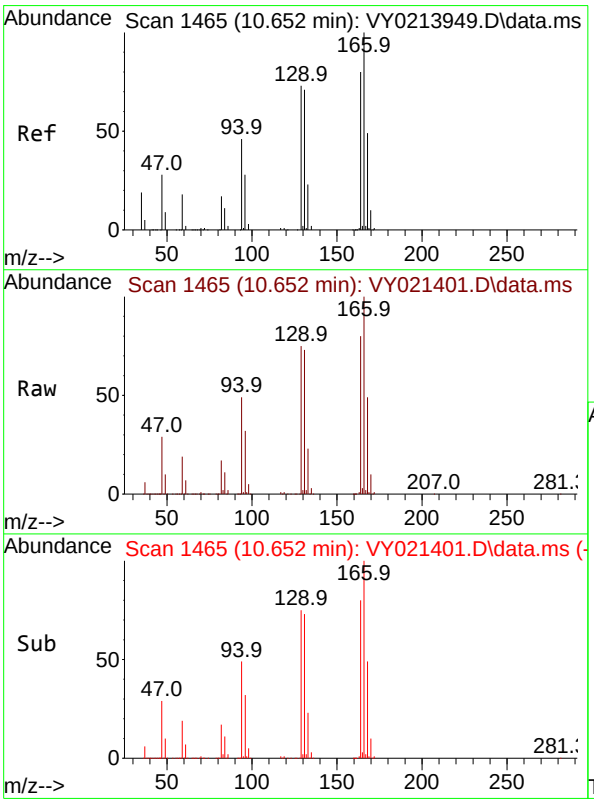
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

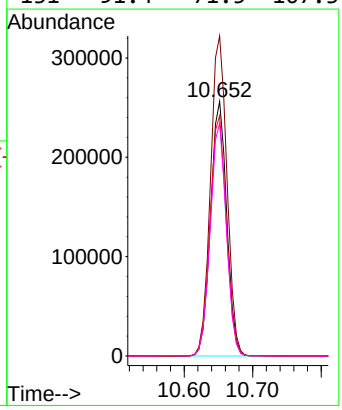


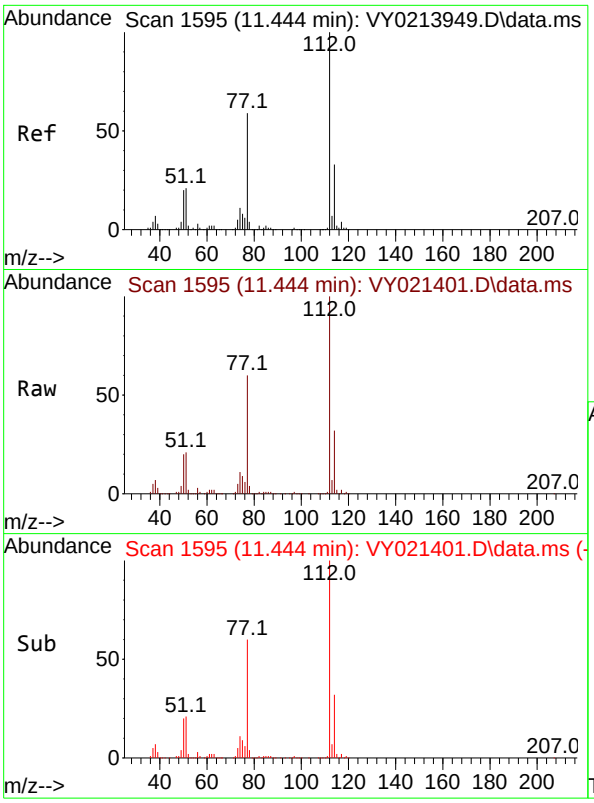


#64
Tetrachloroethene
Concen: 144.847 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:164 Resp: 419107

Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.4	150.6
129	94.4	73.8	110.8
131	91.4	71.5	107.3





#65
Chlorobenzene
Concen: 147.949 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:112 Resp: 124316

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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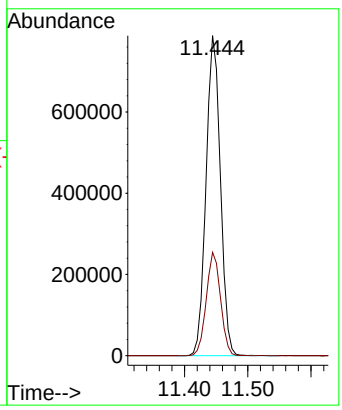
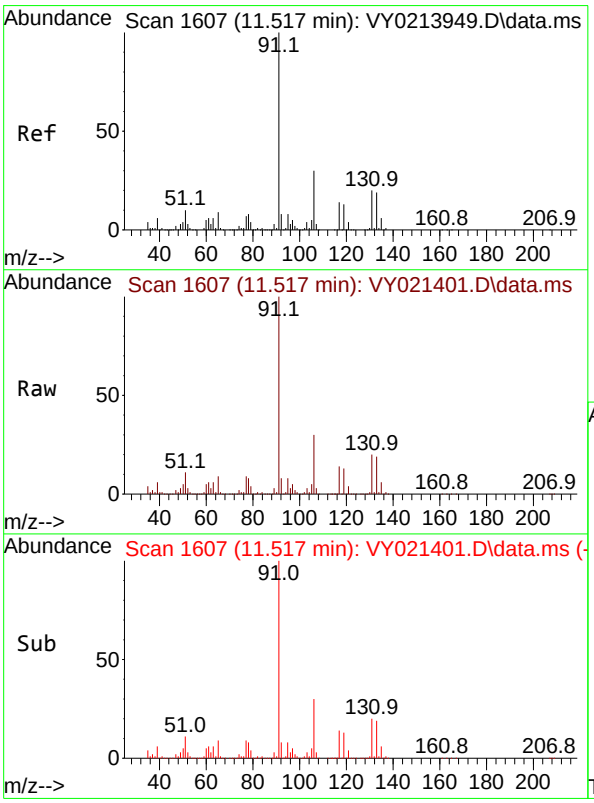
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

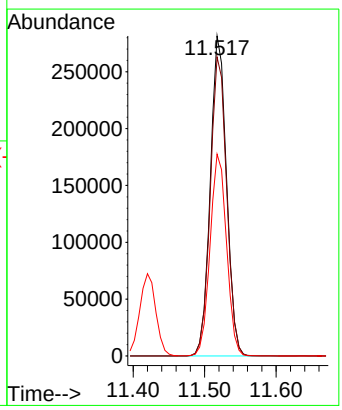


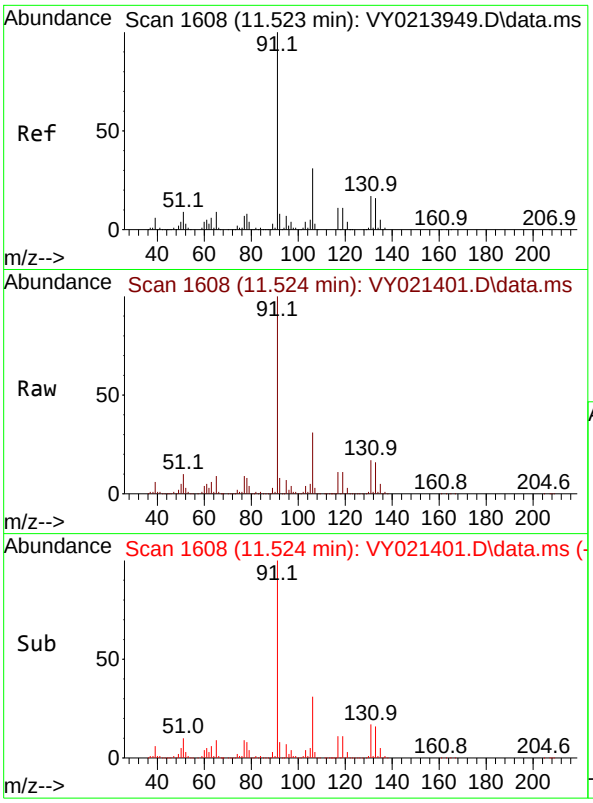


#66
1,1,1,2-Tetrachloroethane
Concen: 148.911 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:131 Resp: 442377

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.6	142.9
119	64.2	32.3	96.9





#67
Ethyl Benzene
Concen: 155.358 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 91 Resp: 229126

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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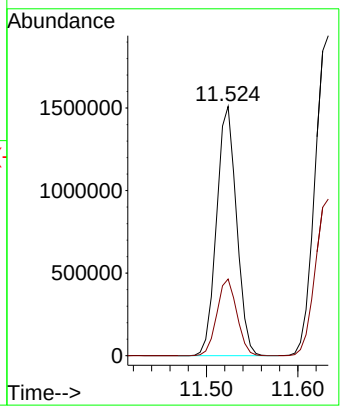
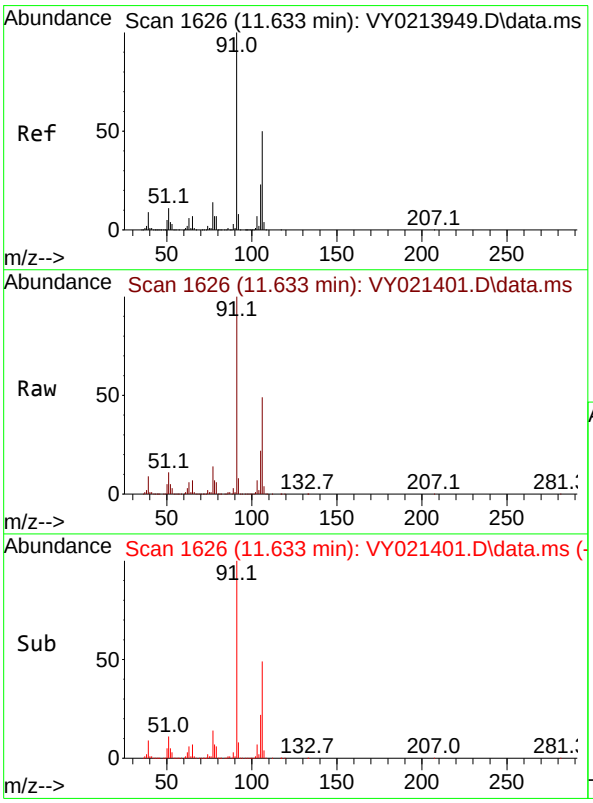
Supervised By :Semsettin Yesilyurt 03/06/2025

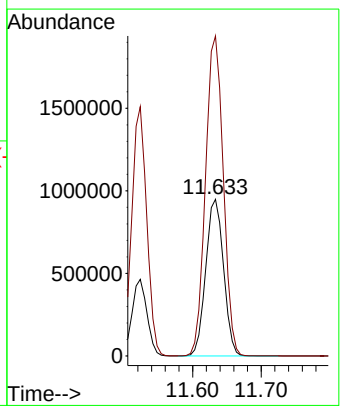


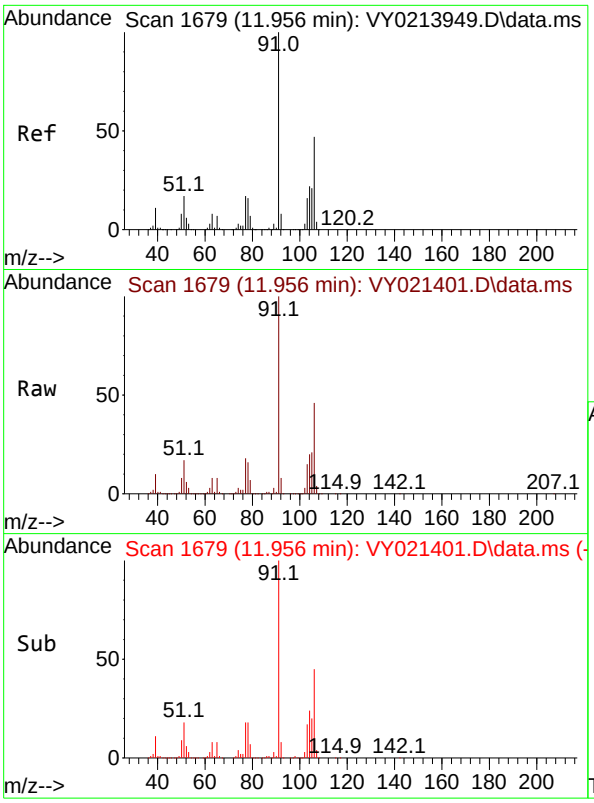


#68
m/p-Xylenes
Concen: 306.103 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:106 Resp: 1713936

Ion	Ratio	Lower	Upper
106	100		
91	204.1	161.7	242.5





#69
o-Xylene
Concen: 156.057 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:106 Resp: 80532

Ion	Ratio	Lower	Upper
106	100		
91	216.4	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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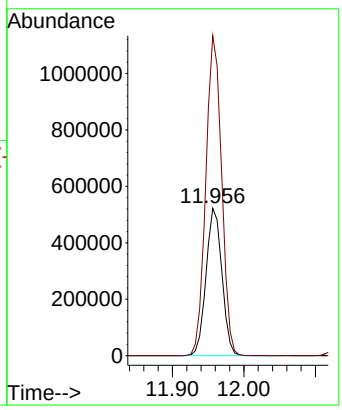
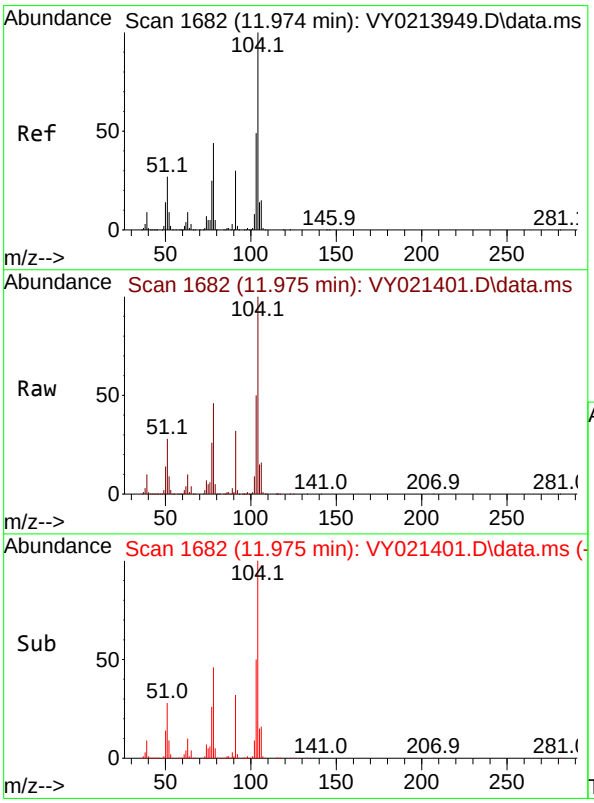
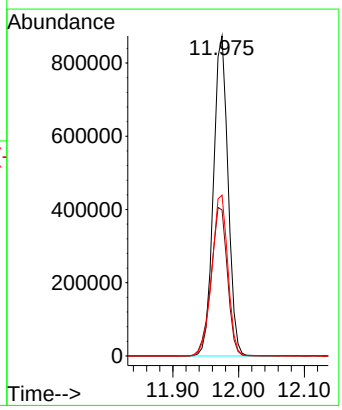


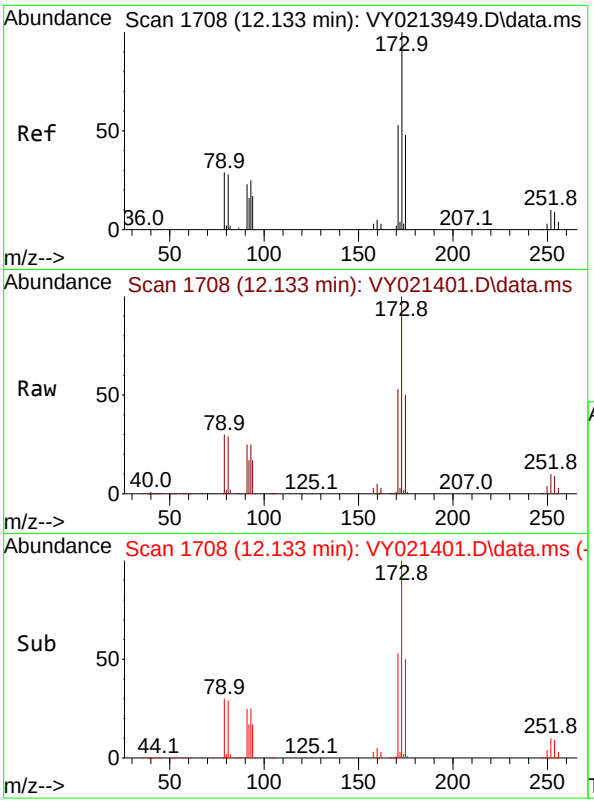


#70
Styrene
Concen: 157.956 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:104 Resp: 1352252

Ion	Ratio	Lower	Upper
104	100		
78	51.8	40.7	61.1
103	55.1	44.1	66.1

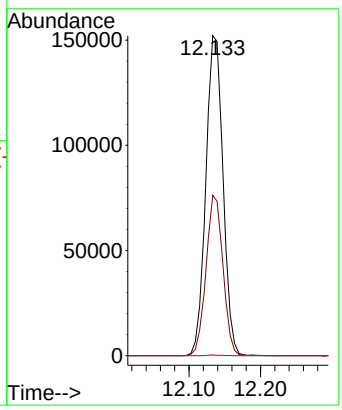




#71
Bromoform
Concen: 152.878 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:173 Resp: 25388

Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.9	71.7
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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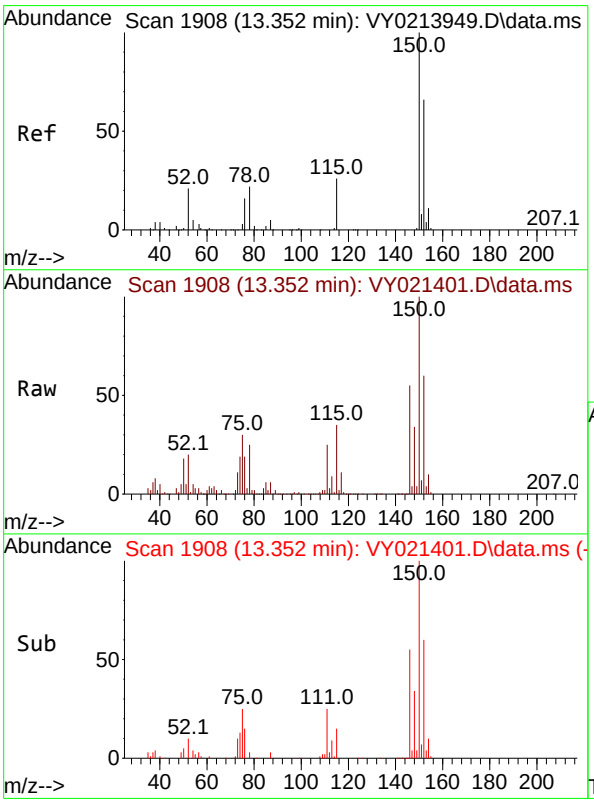
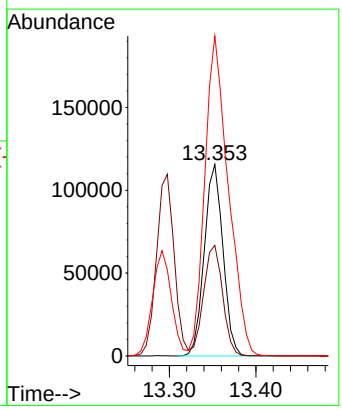
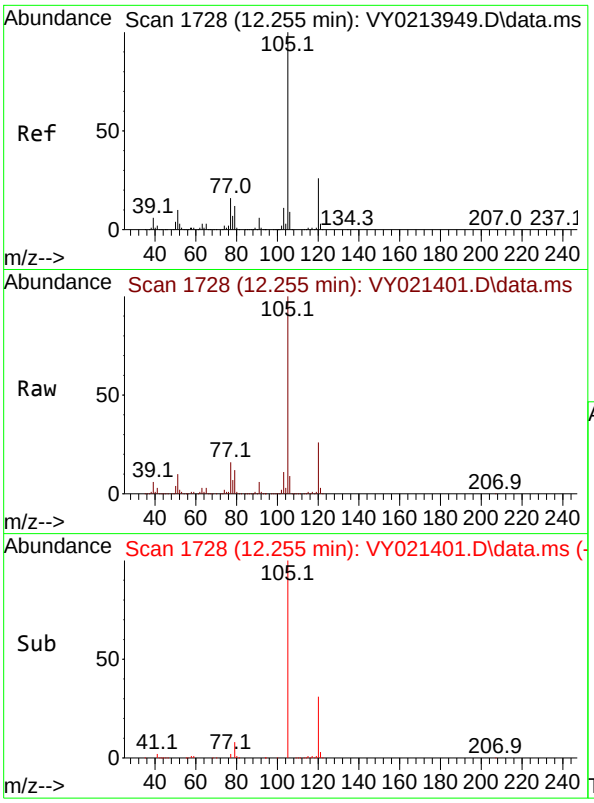


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:152 Resp: 173358

Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.0	87.0
150	209.9	0.0	347.2

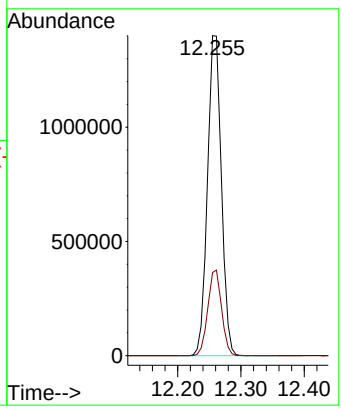




#73
Isopropylbenzene
Concen: 157.067 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:105 Resp: 214489

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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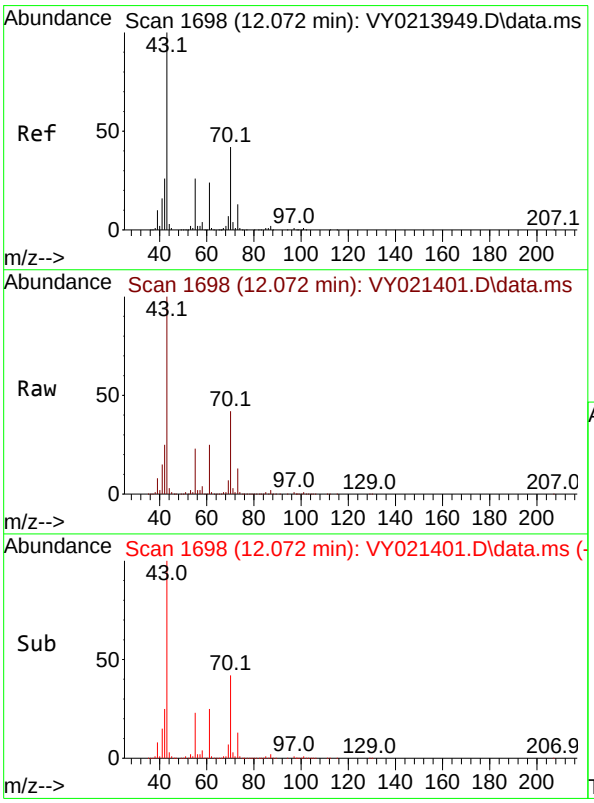
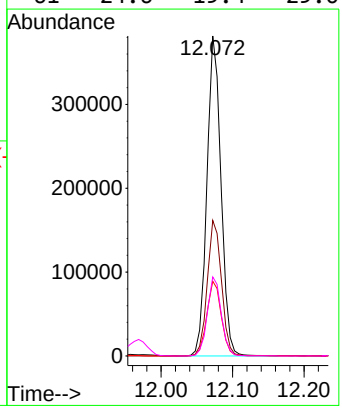
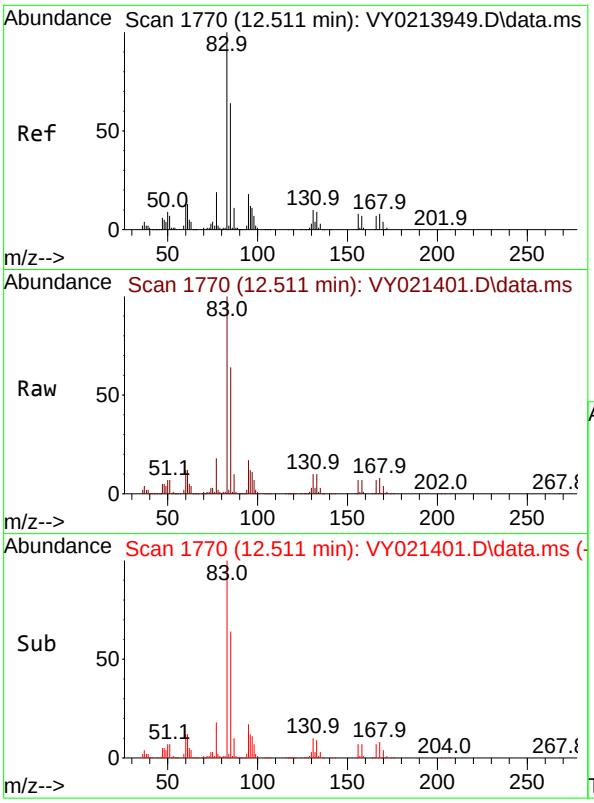


#74
N-amyl acetate
Concen: 175.863 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 43 Resp: 521557

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.6	51.8
55	24.2	21.1	31.7
61	24.6	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 148.865 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 35873

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	16.1
85	63.9	31.9	95.5

Manual Integrations
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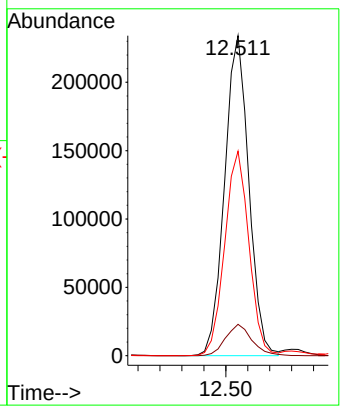
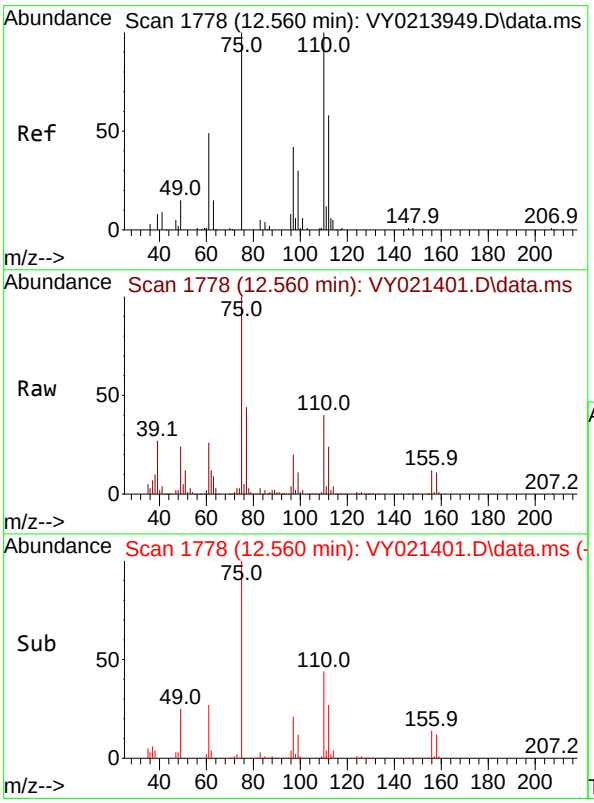
Supervised By :Semsettin Yesilyurt 03/06/2025

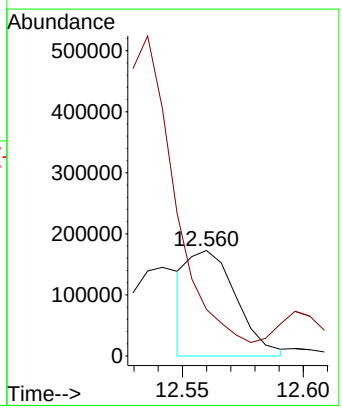


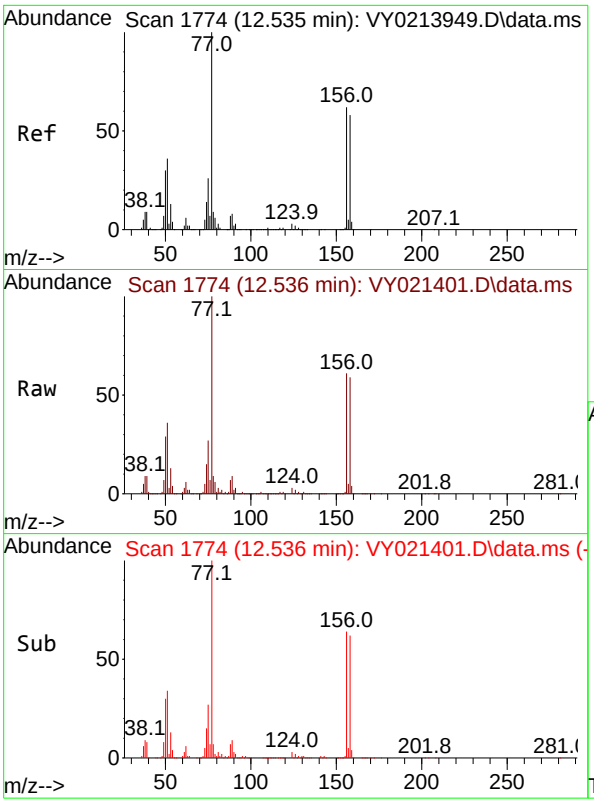


#76
1,2,3-Trichloropropane
Concen: 138.129 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 75 Resp: 241297

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

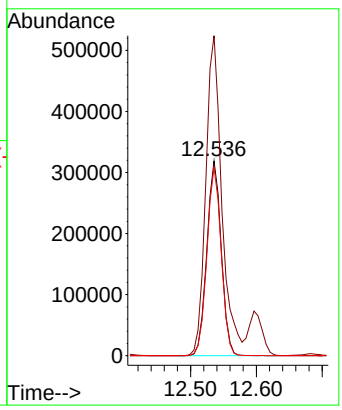




#77
Bromobenzene
Concen: 151.891 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:156 Resp: 48525

Ion	Ratio	Lower	Upper
156	100		
77	182.8	93.6	280.8
158	96.0	48.3	144.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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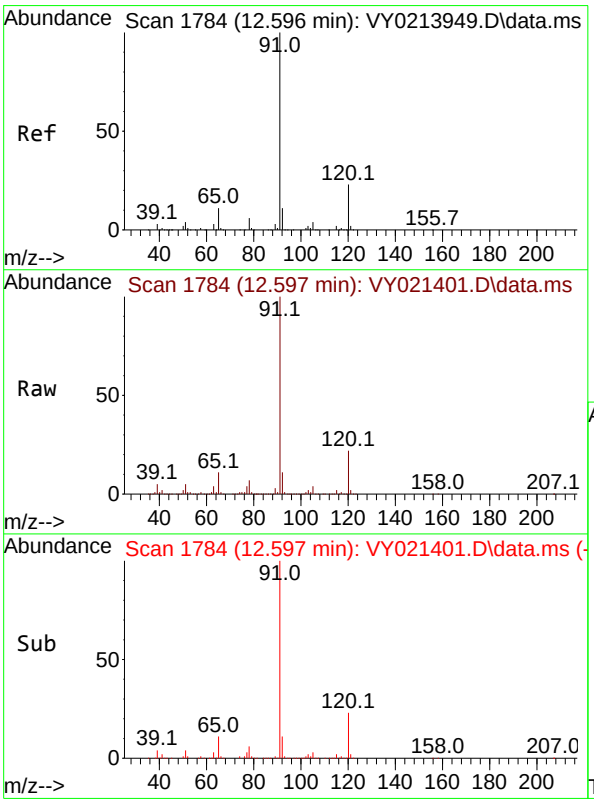
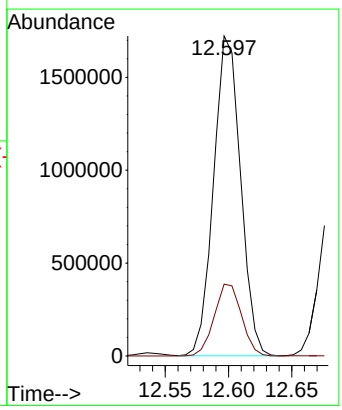
Supervised By :Semsettin Yesilyurt 03/06/2025

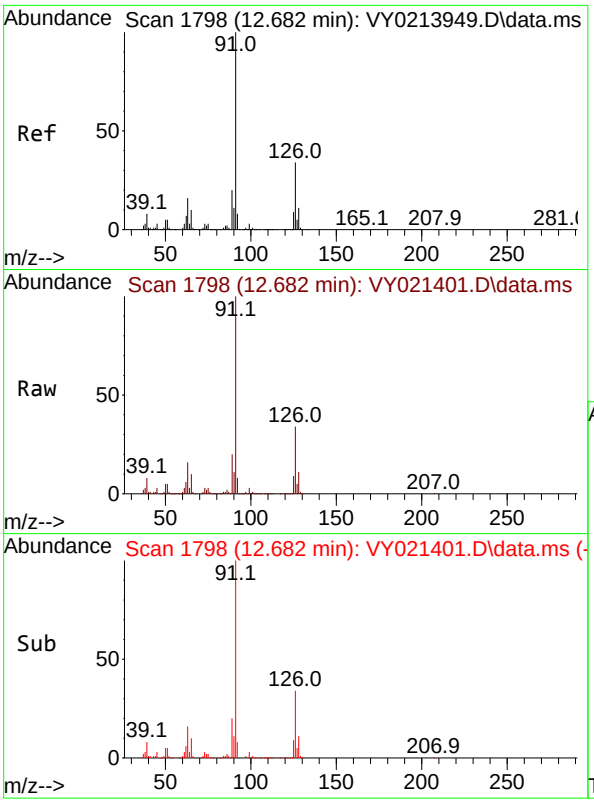


#78
n-propylbenzene
Concen: 153.780 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 91 Resp: 2550395

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.8





#79
2-Chlorotoluene
Concen: 151.808 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 91 Resp: 143959

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 03/06/2025
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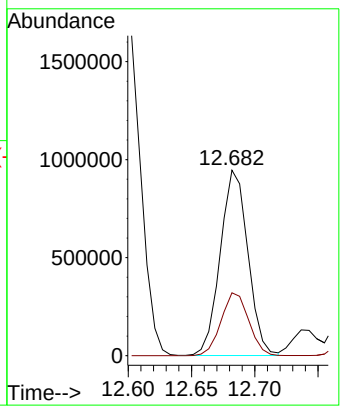
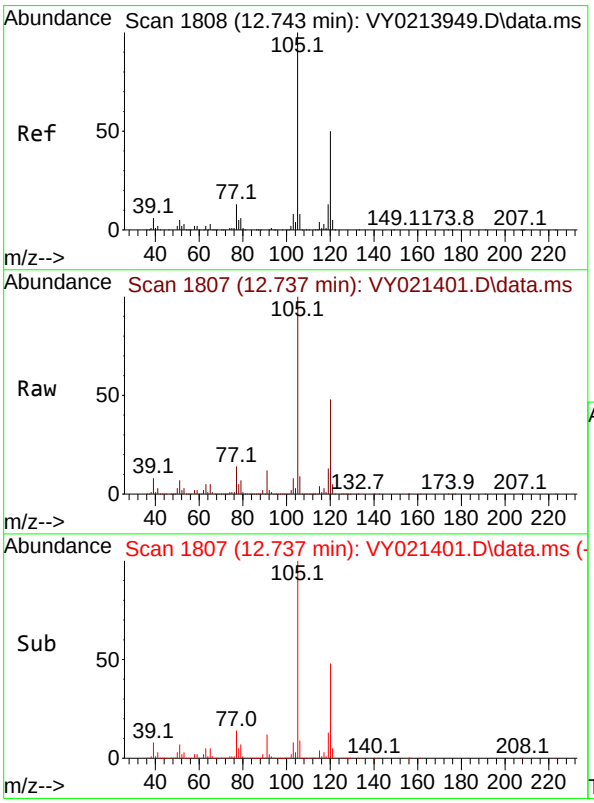
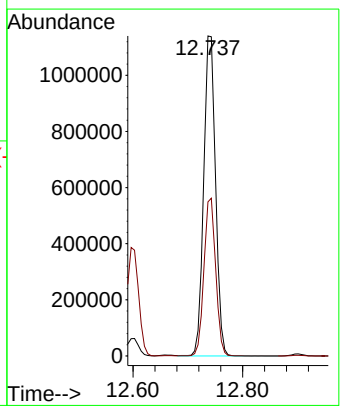


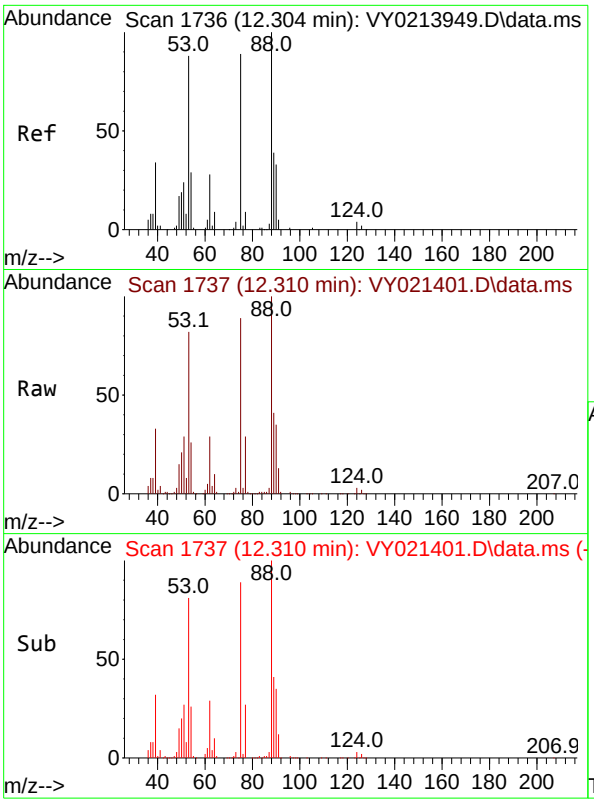


#80
1,3,5-Trimethylbenzene
Concen: 153.582 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:105 Resp: 1704391

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 164.316 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 75 Resp: 12626

Ion	Ratio	Lower	Upper
75	100		
53	94.4	81.0	121.4
89	46.1	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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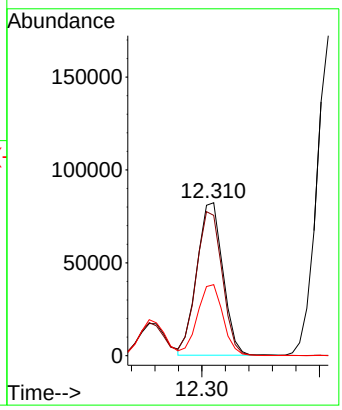
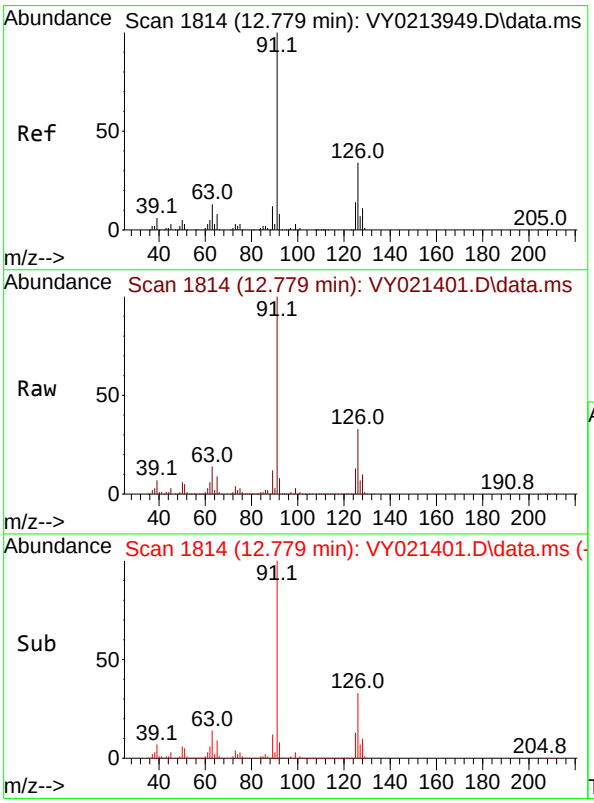
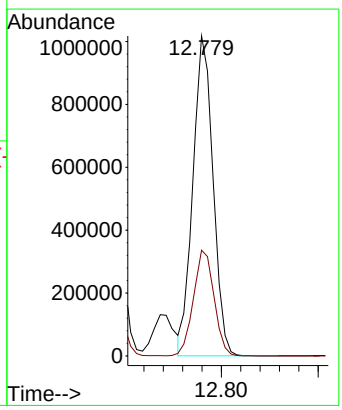


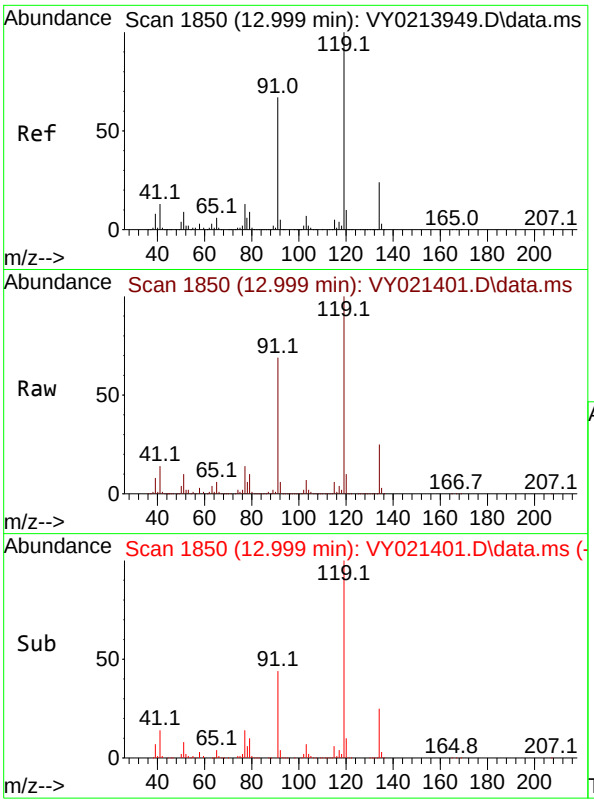


#82
4-Chlorotoluene
Concen: 149.554 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 91 Resp: 1468603

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0





#83
tert-Butylbenzene
Concen: 155.433 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

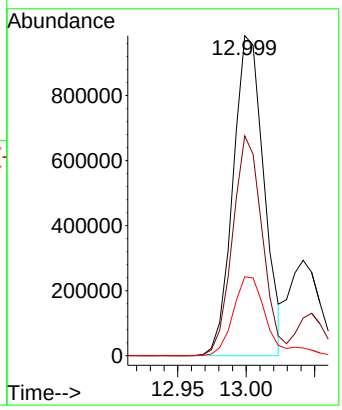
Tgt Ion:119 Resp: 153880

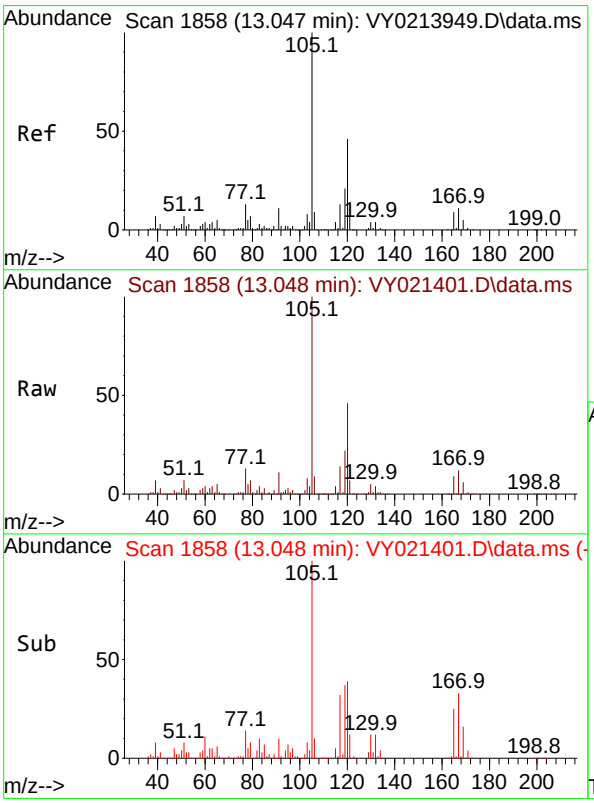
Ion	Ratio	Lower	Upper
119	100		
91	66.6	33.2	99.6
134	27.1	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

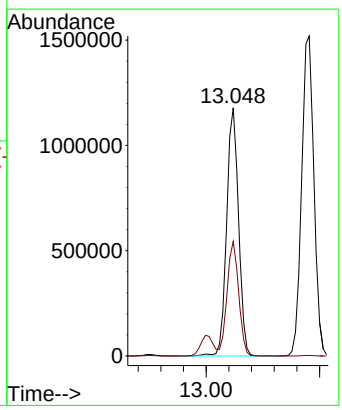


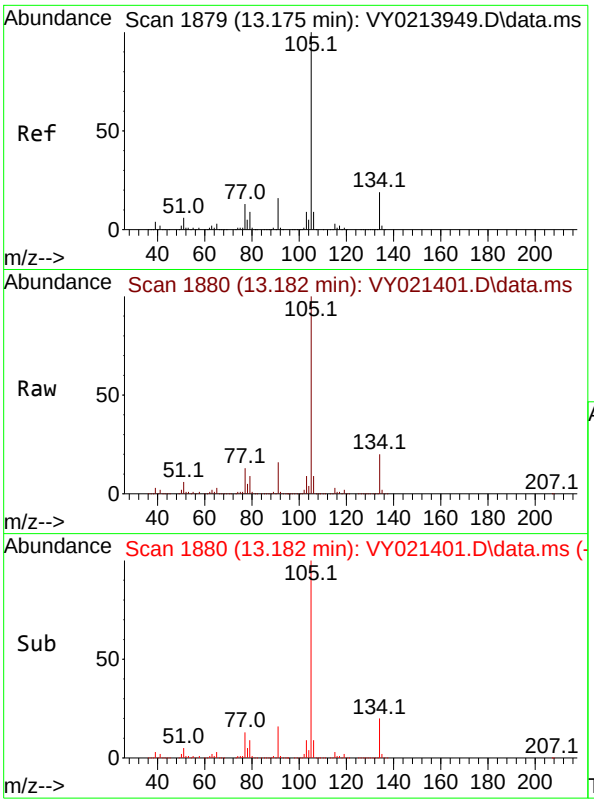


#84
1,2,4-Trimethylbenzene
Concen: 155.470 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:105 Resp: 1713052

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.1





#85
sec-Butylbenzene
Concen: 154.650 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

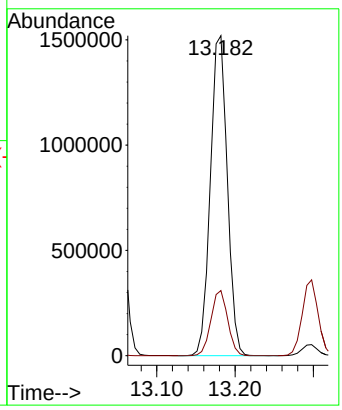
Tgt Ion:105 Resp: 227797

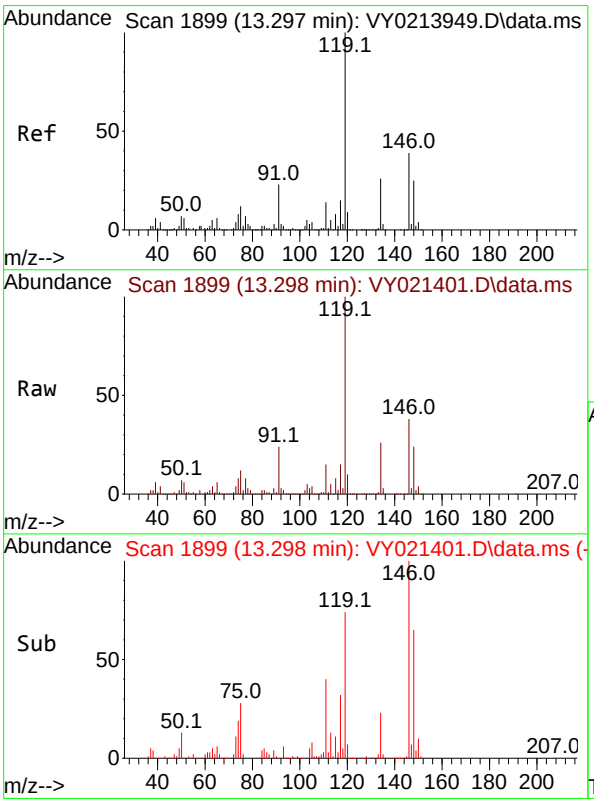
Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

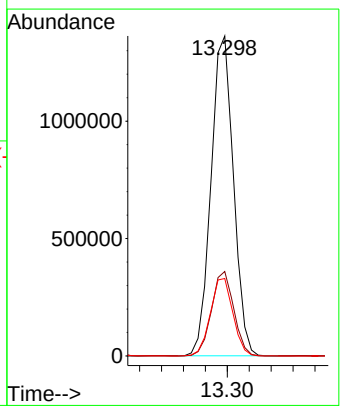


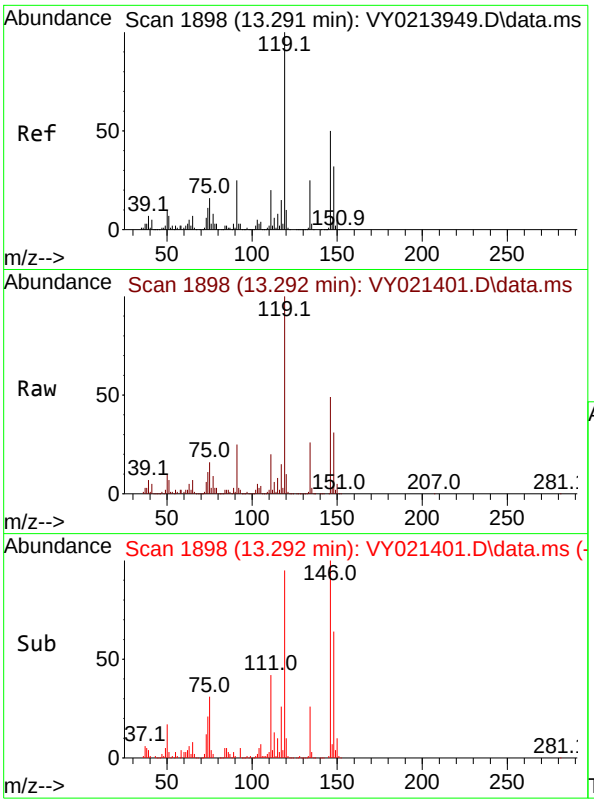


#86
p-Isopropyltoluene
Concen: 159.931 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:119 Resp: 1940795

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	24.4	12.2	36.6

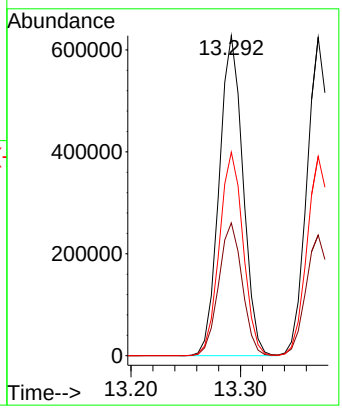




#87
1,3-Dichlorobenzene
Concen: 149.004 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:146 Resp: 94757

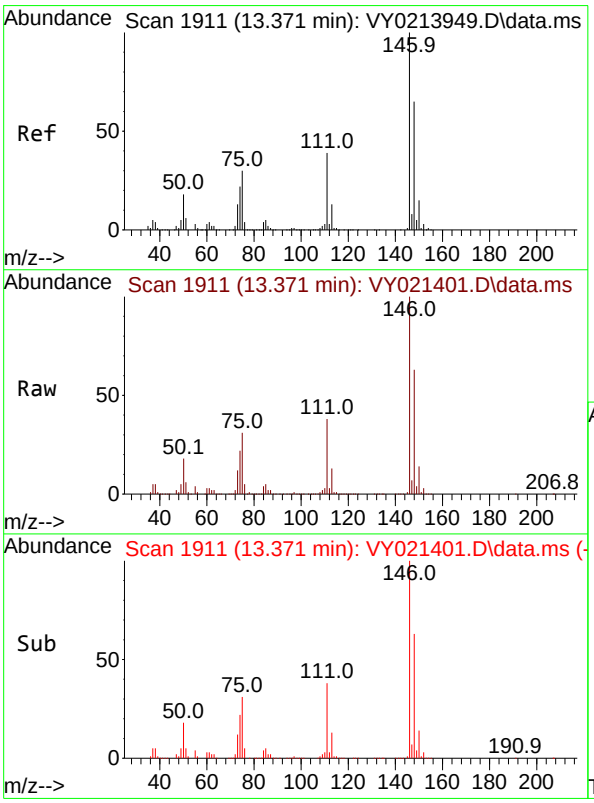
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.0	60.0
148	63.5	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

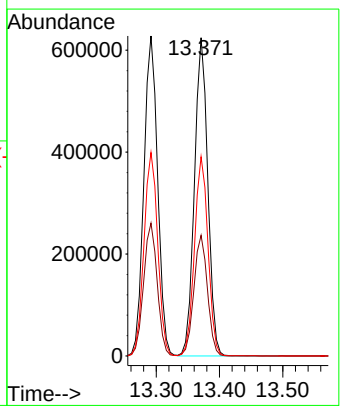
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

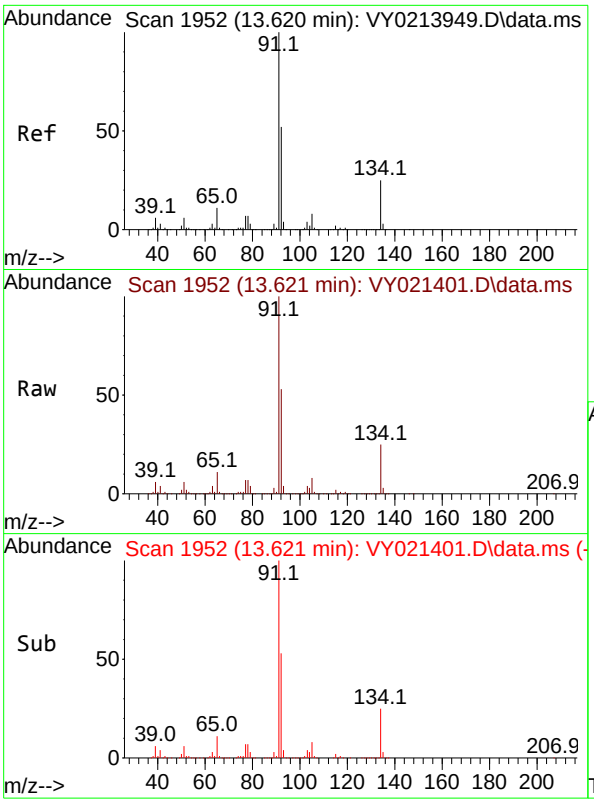


#88
1,4-Dichlorobenzene
Concen: 147.547 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:146 Resp: 917648

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.8
148	63.4	32.3	96.8

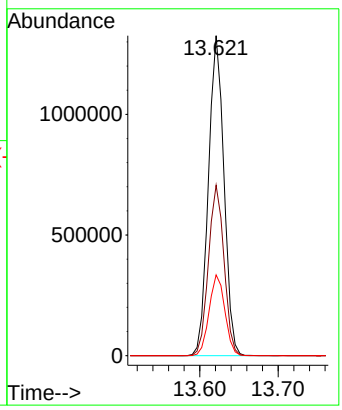




#89
n-Butylbenzene
Concen: 162.308 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 91 Resp: 181877

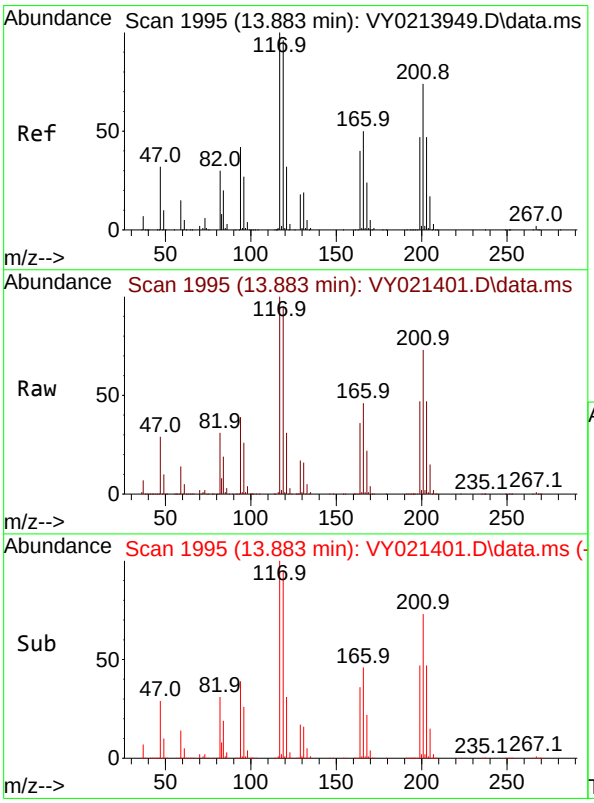
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.1	78.3
134	25.7	12.6	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

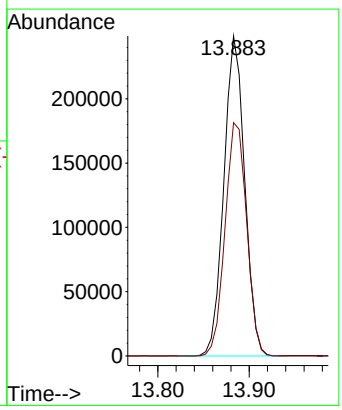
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

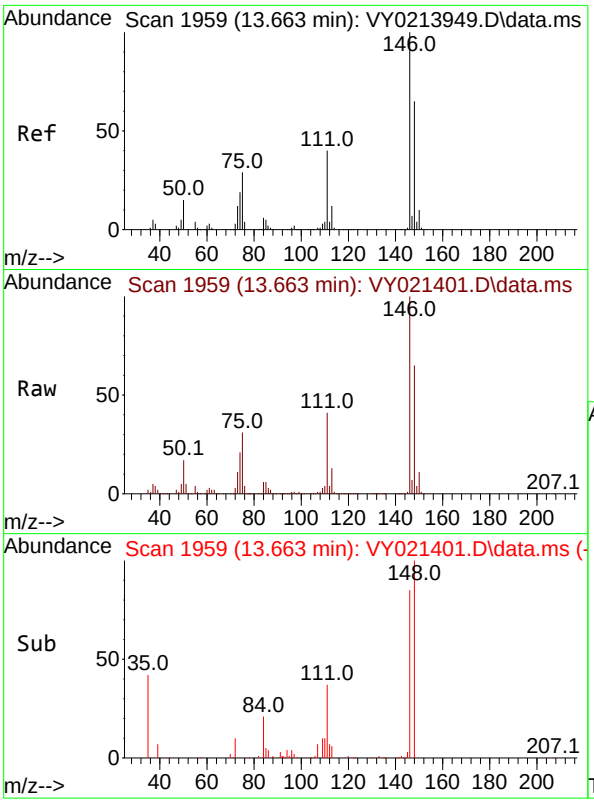


#90
Hexachloroethane
Concen: 151.984 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:117 Resp: 393459

Ion	Ratio	Lower	Upper
117	100		
201	76.1	37.4	112.2

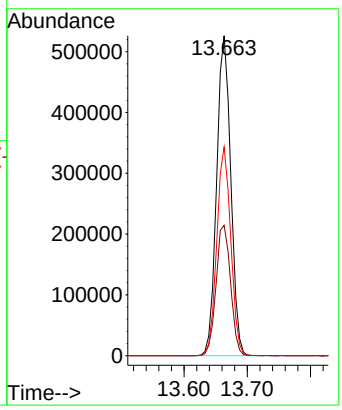




#91
1,2-Dichlorobenzene
Concen: 148.890 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:146 Resp: 81152

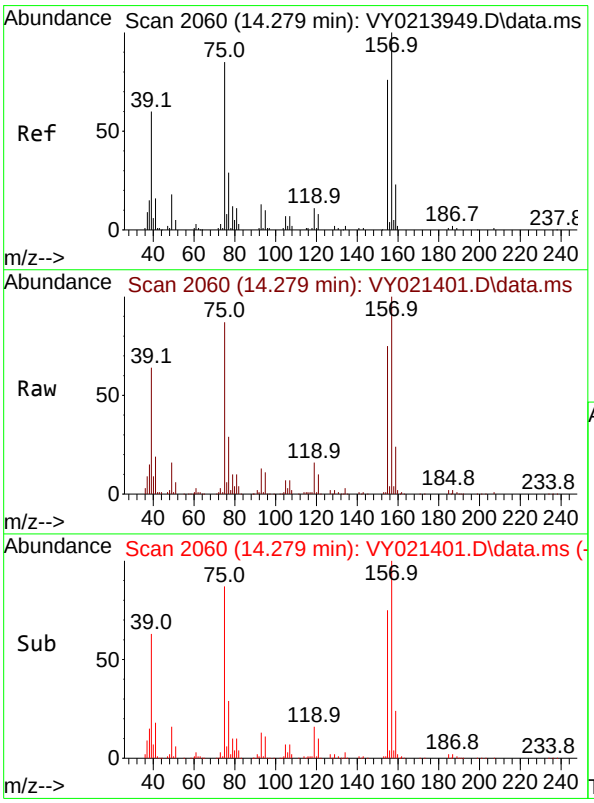
Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	64.5	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

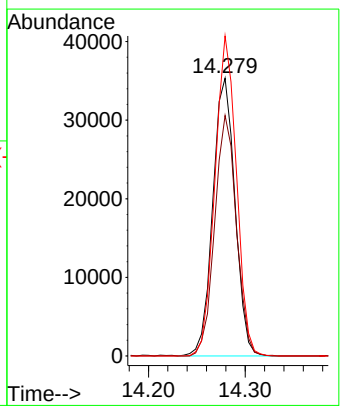
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

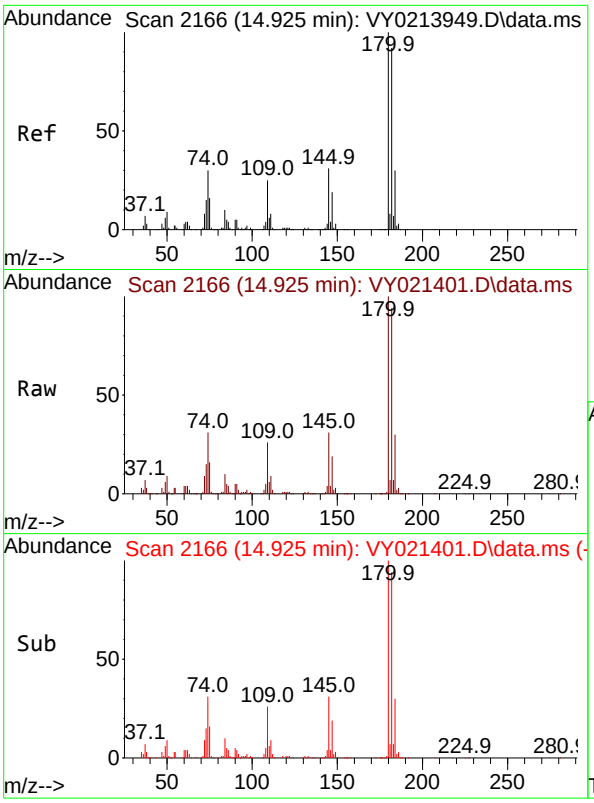


#92
1,2-Dibromo-3-Chloropropane
Concen: 155.702 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion: 75 Resp: 56205

Ion	Ratio	Lower	Upper
75	100		
155	84.8	43.5	130.5
157	111.7	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 173.726 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

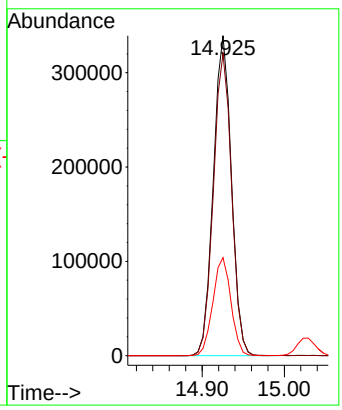
Tgt Ion:180 Resp: 51719

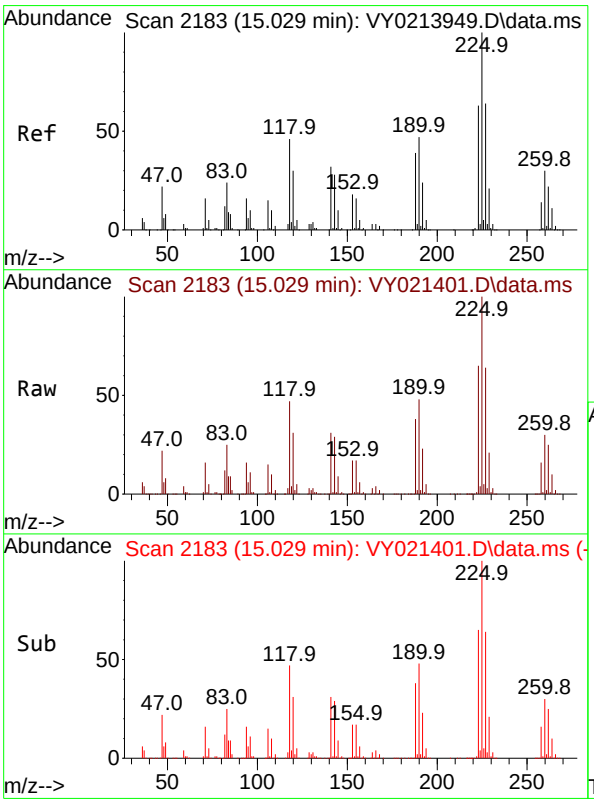
Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.7	140.0
145	30.7	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

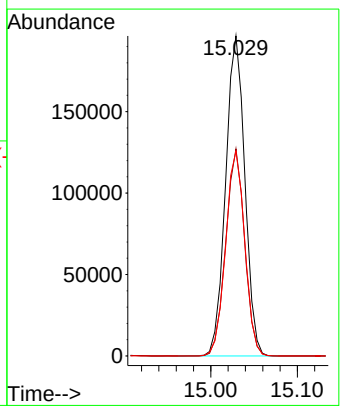


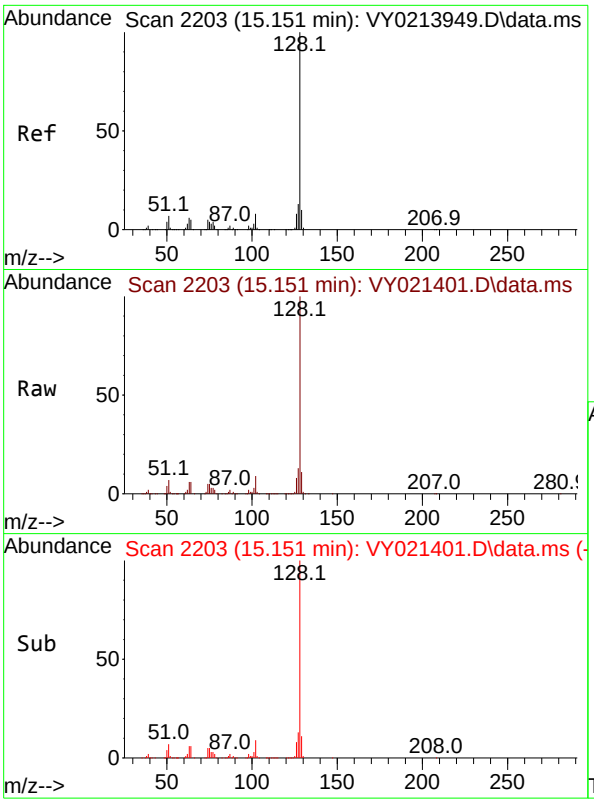


#94
Hexachlorobutadiene
Concen: 162.105 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:225 Resp: 302517

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.4	94.2
227	63.9	31.8	95.4

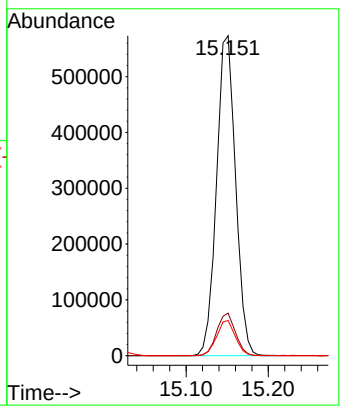




#95
Naphthalene
Concen: 150.626 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:128 Resp: 92507

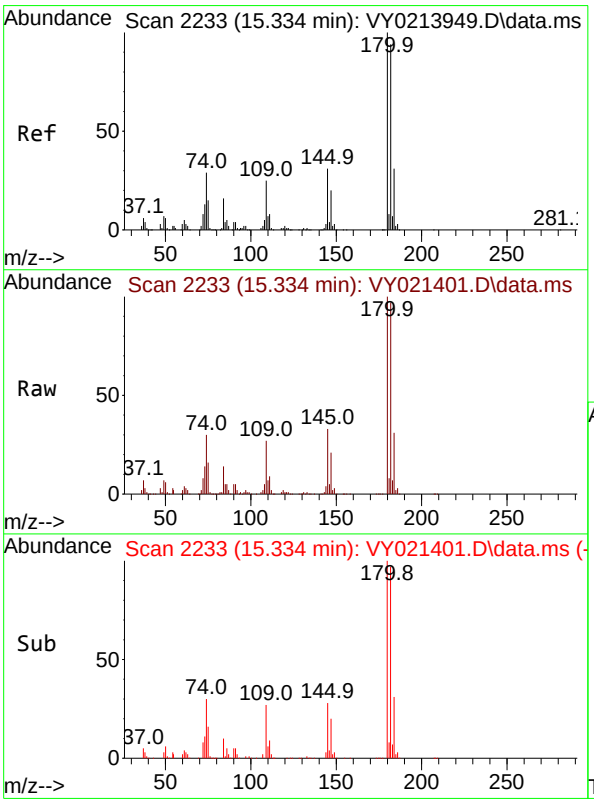
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.8	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

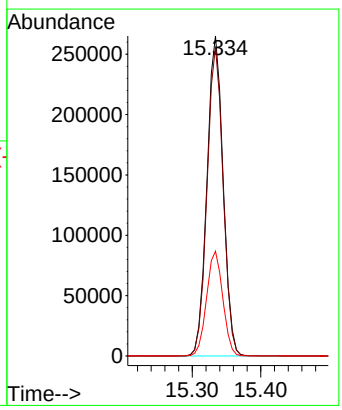
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 173.503 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021401.D
Acq: 04 Mar 2025 11:29

Tgt Ion:180 Resp: 434430

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.2	141.6
145	32.9	16.4	49.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021403.D
Acq On : 04 Mar 2025 12:15
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	245027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	394876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	337621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	161080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	14848	5.733	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.460%#		
35) Dibromofluoromethane	7.634	113	14631	5.637	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.280%#		
50) Toluene-d8	10.109	98	54665	5.562	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	11.120%#		
62) 4-Bromofluorobenzene	12.408	95	19663	5.882	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	11.760%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	12951	5.760	ug/l	91
3) Chloromethane	2.074	50	19424	6.127	ug/l	98
4) Vinyl Chloride	2.208	62	19070	5.505	ug/l	99
5) Bromomethane	2.605	94	15706	6.273	ug/l	95
6) Chloroethane	2.745	64	12773	5.579	ug/l	98
7) Trichlorofluoromethane	3.068	101	27176	5.620	ug/l	99
8) Diethyl Ether	3.458	74	7381	5.508	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.824	101	16374	5.931	ug/l	99
10) Methyl Iodide	4.013	142	12057	4.296	ug/l	99
11) Tert butyl alcohol	4.872	59	7503	24.295	ug/l #	83
12) 1,1-Dichloroethene	3.800	96	13880	5.515	ug/l	97
13) Acrolein	3.653	56	6605	50.142	ug/l	93
14) Allyl chloride	4.385	41	21629	5.317	ug/l	99
15) Acrylonitrile	5.068	53	14939	26.189	ug/l	100
16) Acetone	3.879	43	17626	31.204	ug/l	99
17) Carbon Disulfide	4.110	76	42440	5.380	ug/l	99
18) Methyl Acetate	4.391	43	6561	5.235	ug/l	94
19) Methyl tert-butyl Ether	5.129	73	33420	5.239	ug/l	94
20) Methylene Chloride	4.629	84	19304	6.511	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	15868	5.629	ug/l	89
22) Diisopropyl ether	6.019	45	45242	5.161	ug/l	88
23) Vinyl Acetate	5.970	43	124260	24.838	ug/l	96
24) 1,1-Dichloroethane	5.921	63	28883	5.583	ug/l	97
25) 2-Butanone	6.903	43	22073	28.249	ug/l	96
26) 2,2-Dichloropropane	6.890	77	27105	5.694	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	17198	5.371	ug/l	93
28) Bromochloromethane	7.250	49	11718	5.403	ug/l	99
29) Tetrahydrofuran	7.274	42	12689	26.305	ug/l	99
30) Chloroform	7.427	83	29950	5.575	ug/l	99
31) Cyclohexane	7.701	56	29806	6.145	ug/l #	93
32) 1,1,1-Trichloroethane	7.622	97	28207	5.734	ug/l	95
36) 1,1-Dichloropropene	7.841	75	21694	5.340	ug/l	98
37) Ethyl Acetate	6.988	43	9539m	5.205	ug/l	
38) Carbon Tetrachloride	7.823	117	24674	5.281	ug/l	96
39) Methylcyclohexane	9.110	83	25312	5.079	ug/l	95
40) Benzene	8.085	78	63894	5.339	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021403.D
Acq On : 04 Mar 2025 12:15
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 03:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.232	41	4825	4.834 ug/l #	91
42) 1,2-Dichloroethane	8.158	62	17906	5.348 ug/l	99
43) Isopropyl Acetate	8.201	43	18016	5.168 ug/l	97
44) Trichloroethene	8.872	130	16384	5.417 ug/l	98
45) 1,2-Dichloropropane	9.146	63	15302	5.372 ug/l	91
46) Dibromomethane	9.238	93	8211	5.181 ug/l	99
47) Bromodichloromethane	9.427	83	22083	5.247 ug/l	95
48) Methyl methacrylate	9.225	41	7383	4.568 ug/l	98
49) 1,4-Dioxane	9.231	88	1424	91.537 ug/l #	90
51) 4-Methyl-2-Pentanone	10.000	43	43306	24.077 ug/l	100
52) Toluene	10.176	92	38833	5.146 ug/l	96
53) t-1,3-Dichloropropene	10.396	75	18188	4.905 ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	22504	5.111 ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	10837	5.227 ug/l	97
56) Ethyl methacrylate	10.439	69	11475	4.340 ug/l	97
57) 1,3-Dichloropropane	10.719	76	18380	5.115 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	26908	22.045 ug/l	99
59) 2-Hexanone	10.762	43	27441	23.073 ug/l	97
60) Dibromochloromethane	10.914	129	14771	5.197 ug/l	96
61) 1,2-Dibromoethane	11.018	107	10188	5.207 ug/l	99
64) Tetrachloroethene	10.652	164	15148	5.518 ug/l	95
65) Chlorobenzene	11.444	112	43322	5.434 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	15173	5.383 ug/l	96
67) Ethyl Benzene	11.524	91	71391	5.102 ug/l	97
68) m/p-Xylenes	11.633	106	53829	10.132 ug/l	99
69) o-Xylene	11.957	106	24421	4.988 ug/l	100
70) Styrene	11.975	104	38858	4.784 ug/l	99
71) Bromoform	12.133	173	7934	5.035 ug/l #	96
73) Isopropylbenzene	12.255	105	64065	5.049 ug/l	98
74) N-amyl acetate	12.072	43	12319	4.470 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	11865	5.299 ug/l	95
76) 1,2,3-Trichloropropane	12.560	75	10101m	6.223 ug/l	
77) Bromobenzene	12.536	156	15812	5.327 ug/l	97
78) n-propylbenzene	12.597	91	80203	5.205 ug/l	99
79) 2-Chlorotoluene	12.682	91	47065	5.341 ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	53272	5.166 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	3431	4.805 ug/l	92
82) 4-Chlorotoluene	12.780	91	48178	5.280 ug/l	100
83) tert-Butylbenzene	12.999	119	46550	5.060 ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	52203	5.099 ug/l	98
85) sec-Butylbenzene	13.176	105	71799	5.246 ug/l	100
86) p-Isopropyltoluene	13.298	119	57131	5.067 ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	32709	5.535 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	32045	5.545 ug/l	95
89) n-Butylbenzene	13.621	91	52654	5.057 ug/l	99
90) Hexachloroethane	13.883	117	13537	5.628 ug/l	95
91) 1,2-Dichlorobenzene	13.664	146	27758	5.481 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1880	5.605 ug/l	86
93) 1,2,4-Trichlorobenzene	14.926	180	13925	5.034 ug/l	98
94) Hexachlorobutadiene	15.029	225	9351	5.393 ug/l	97
95) Naphthalene	15.151	128	19552	5.892 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	11822	5.081 ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021403.D
Acq On : 04 Mar 2025 12:15
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
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Quant Title : SW846 8260
QLast Update : Wed Mar 05 02:30:51 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
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QLast Update : Wed Mar 05 02:30:51 2025
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Instrument :
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ClientSampleId :
VSTDICC005

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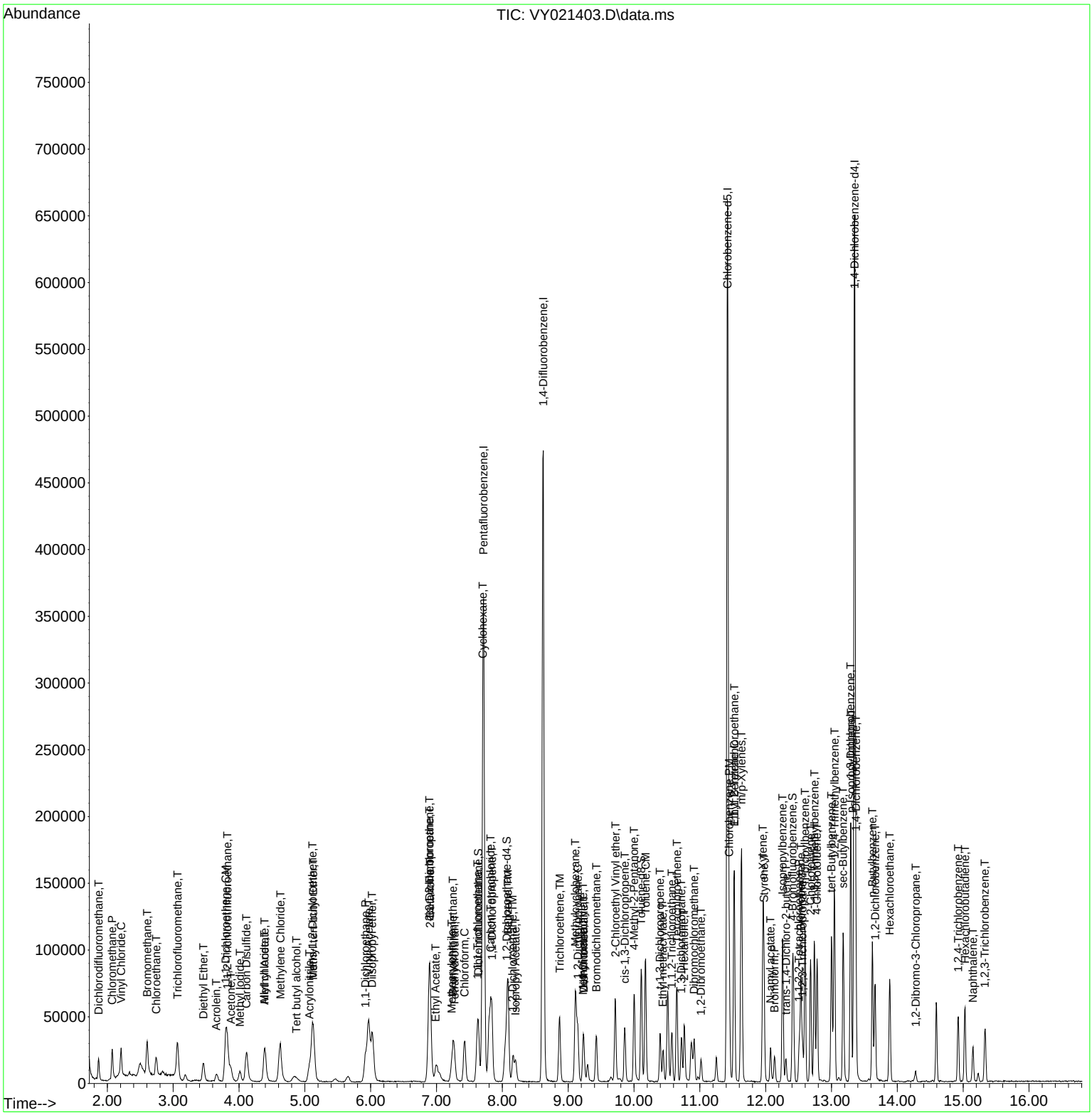

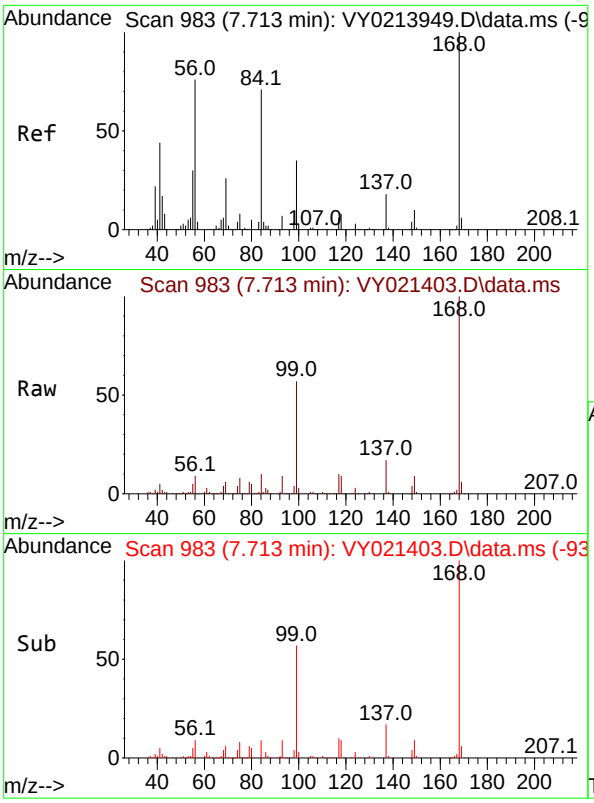

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:168 Resp: 24502

Ion	Ratio	Lower	Upper
168	100		
99	56.8	46.0	69.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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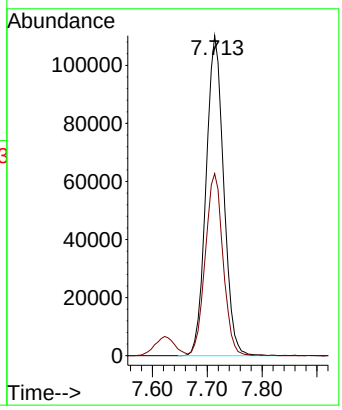
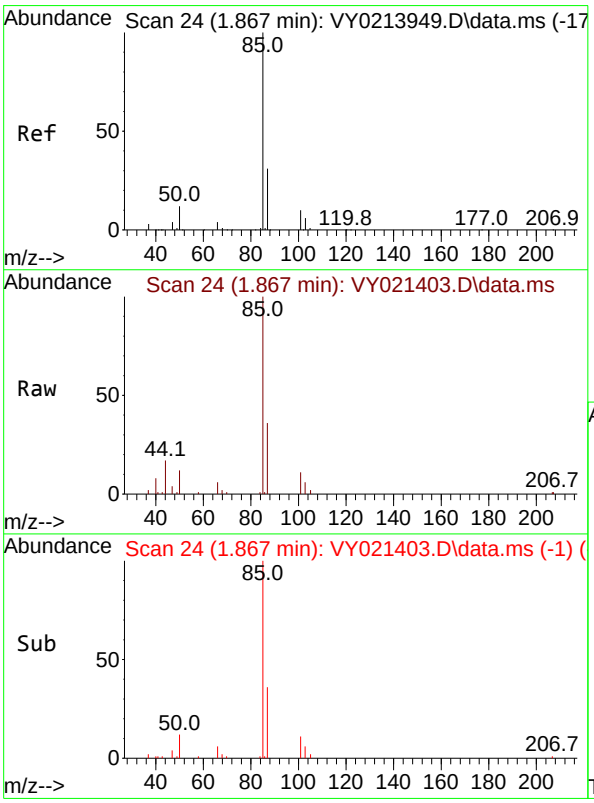
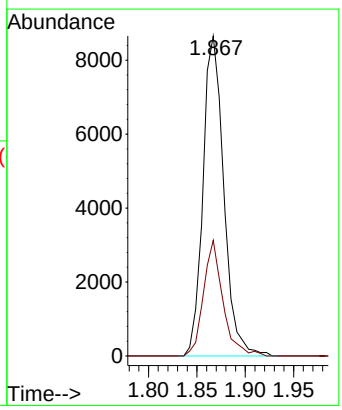


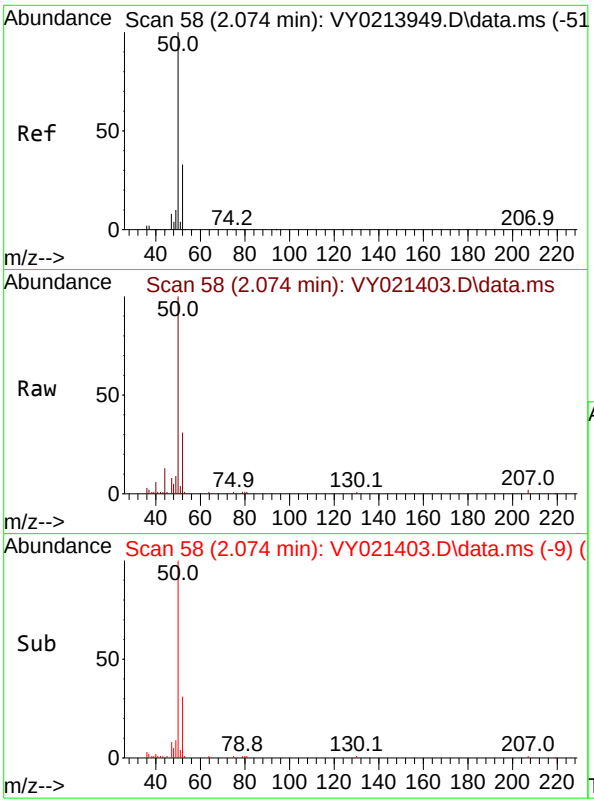


#2
Dichlorodifluoromethane
Concen: 5.760 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 85 Resp: 12951

Ion	Ratio	Lower	Upper
85	100		
87	36.1	15.7	47.0

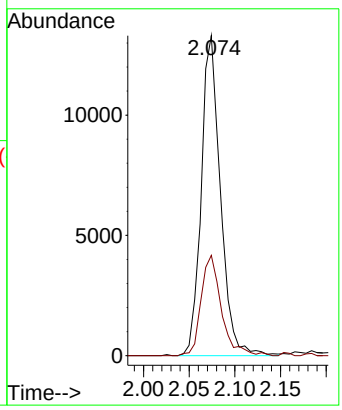




#3
Chloromethane
Concen: 6.127 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 50 Resp: 1942

Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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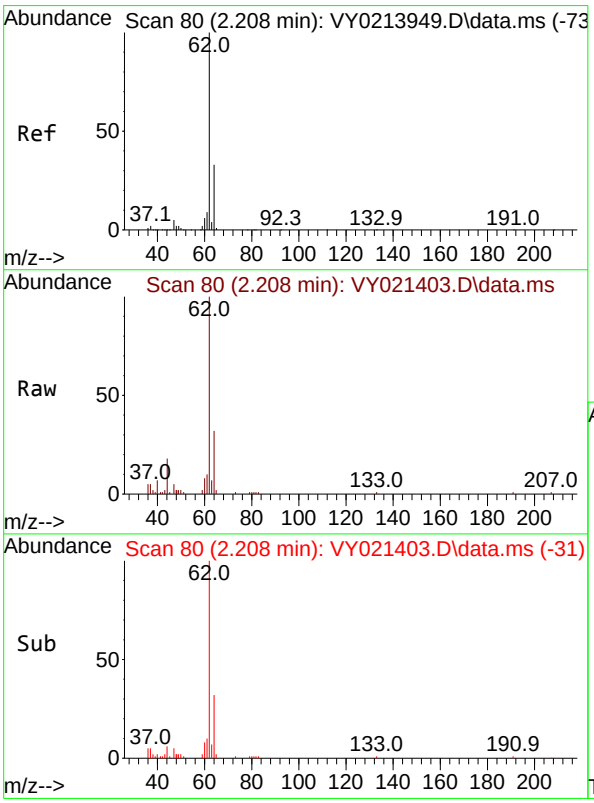
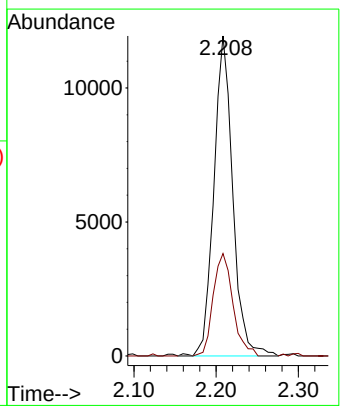
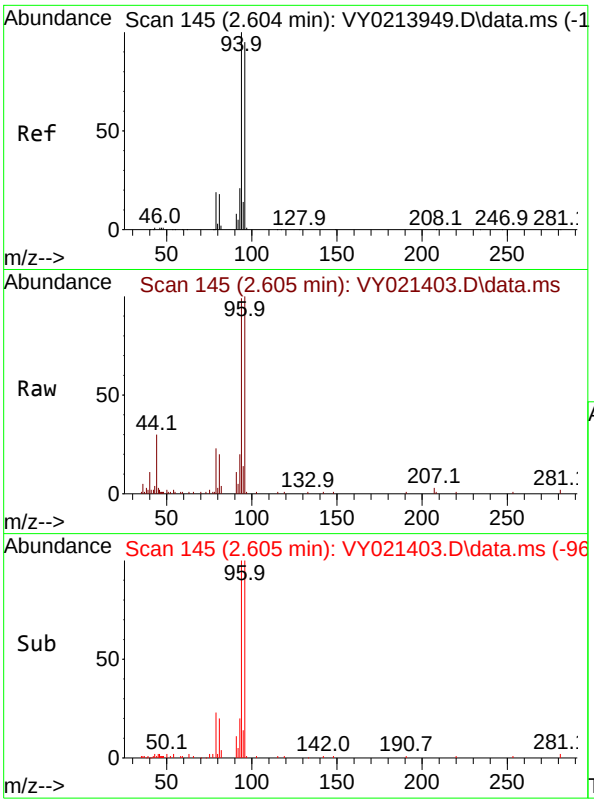


#4
Vinyl Chloride
Concen: 5.505 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 62 Resp: 19070

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.2	39.2





#5
Bromomethane
Concen: 6.273 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 94 Resp: 1570

Ion	Ratio	Lower	Upper
94	100		
96	100.7	76.3	114.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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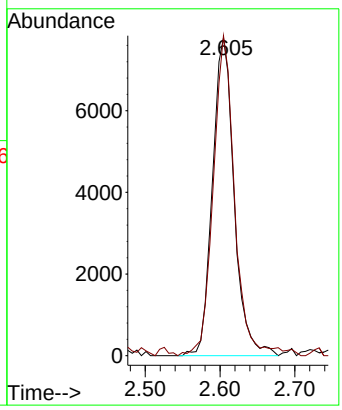
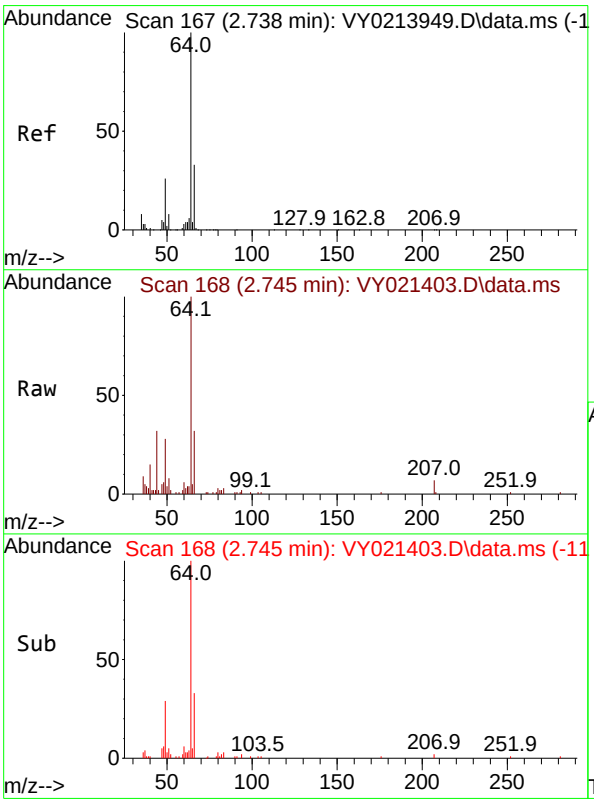
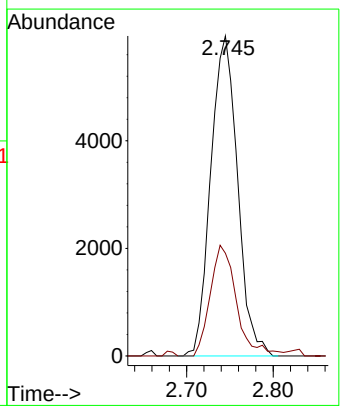


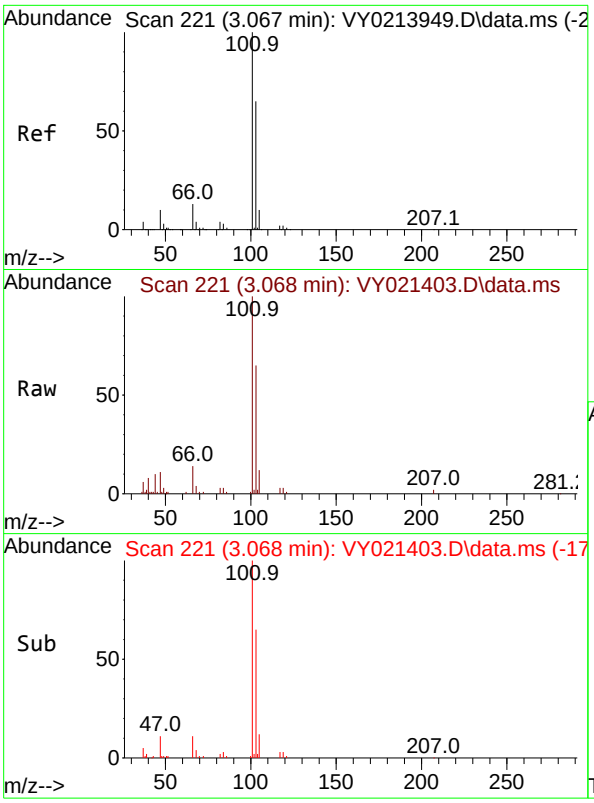


#6
Chloroethane
Concen: 5.579 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 64 Resp: 12773

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.7	40.1





#7
Trichlorofluoromethane
Concen: 5.620 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:101 Resp: 2717

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.7	77.5

Instrument :
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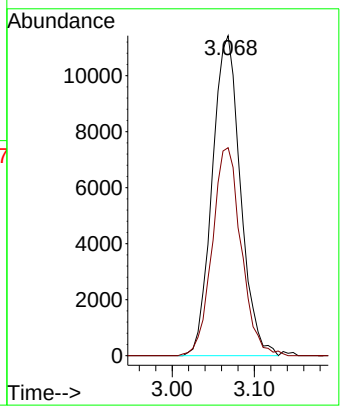
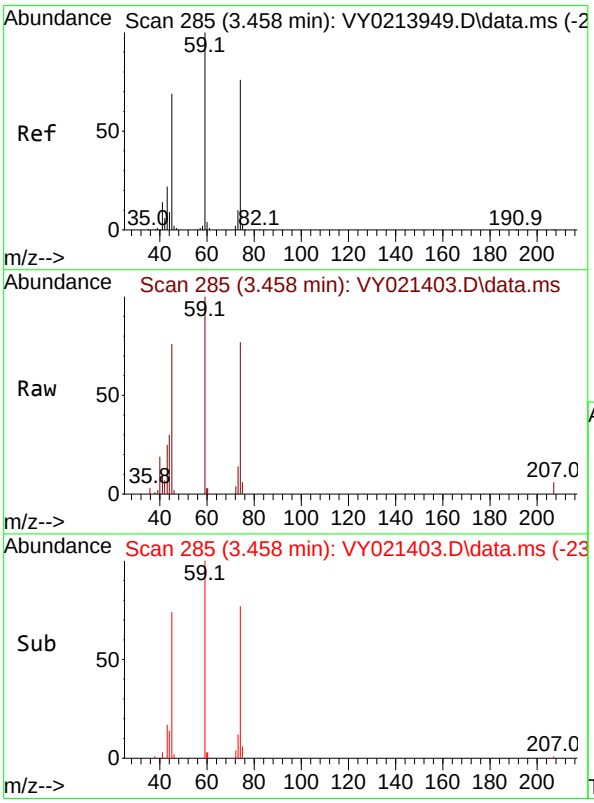
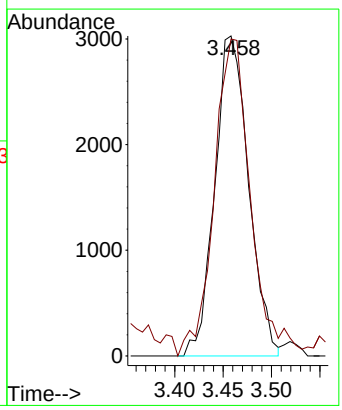


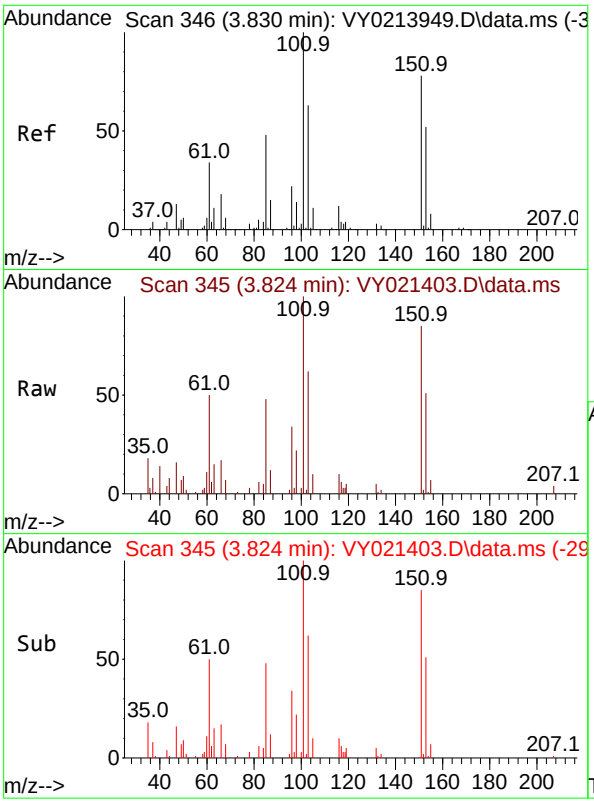


#8
Diethyl Ether
Concen: 5.508 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 74 Resp: 7381

Ion	Ratio	Lower	Upper
74	100		
45	106.2	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.931 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:101 Resp: 1637

Ion	Ratio	Lower	Upper
101	100		
85	46.0	37.1	55.7
151	78.9	62.1	93.1

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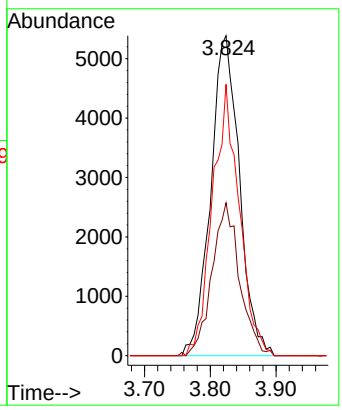
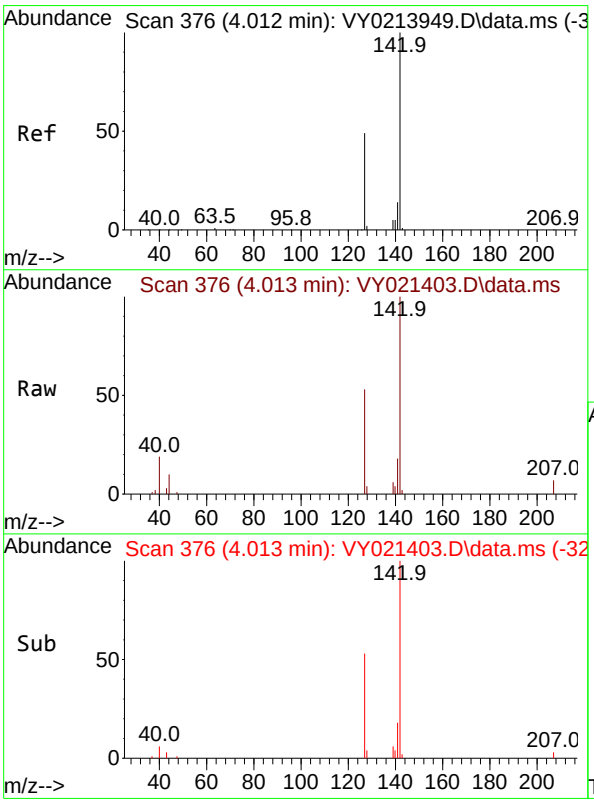
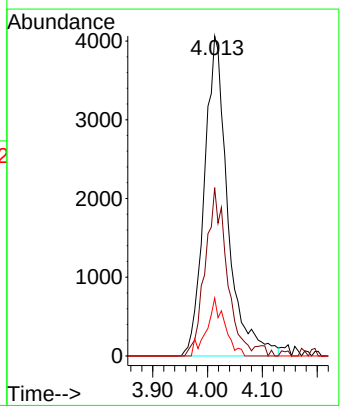


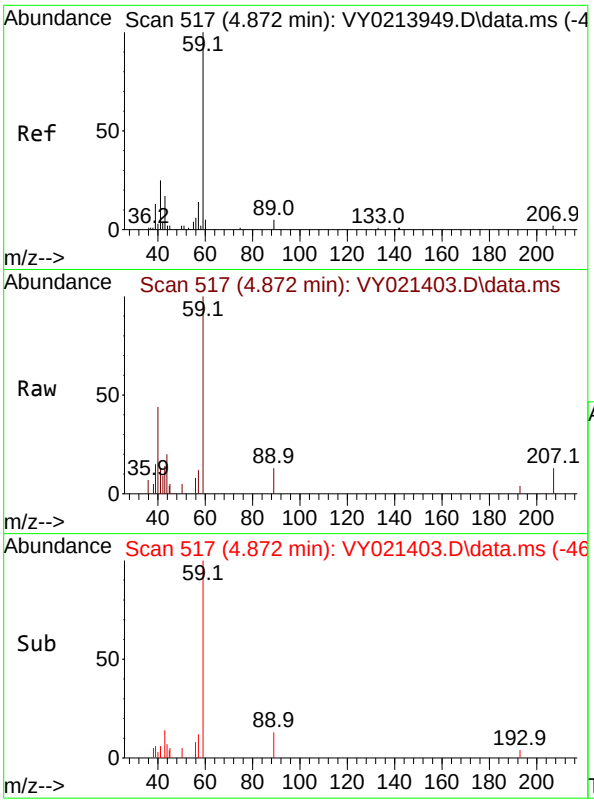


#10
Methyl Iodide
Concen: 4.296 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:142 Resp: 12057

Ion	Ratio	Lower	Upper
142	100		
127	48.2	39.1	58.7
141	14.0	11.8	17.6





#11
Tert butyl alcohol
Concen: 24.295 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 59 Resp: 750

Ion	Ratio	Lower	Upper
59	100		
57	3.9	8.2	12.4

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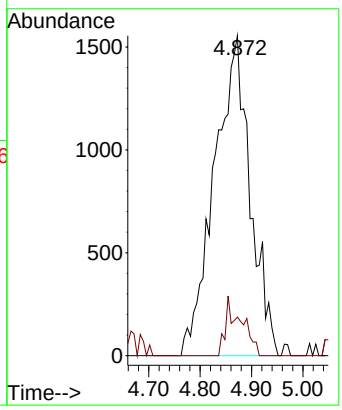
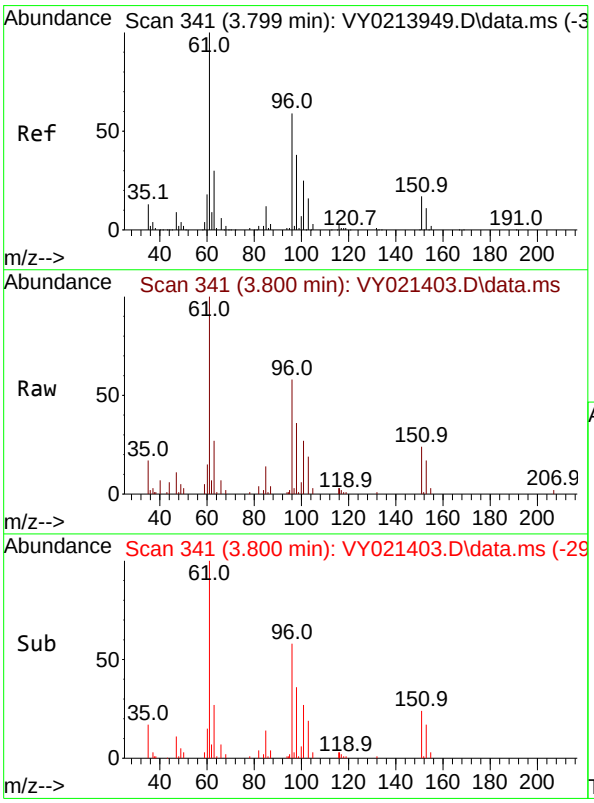
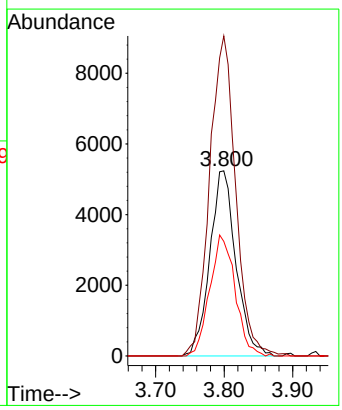


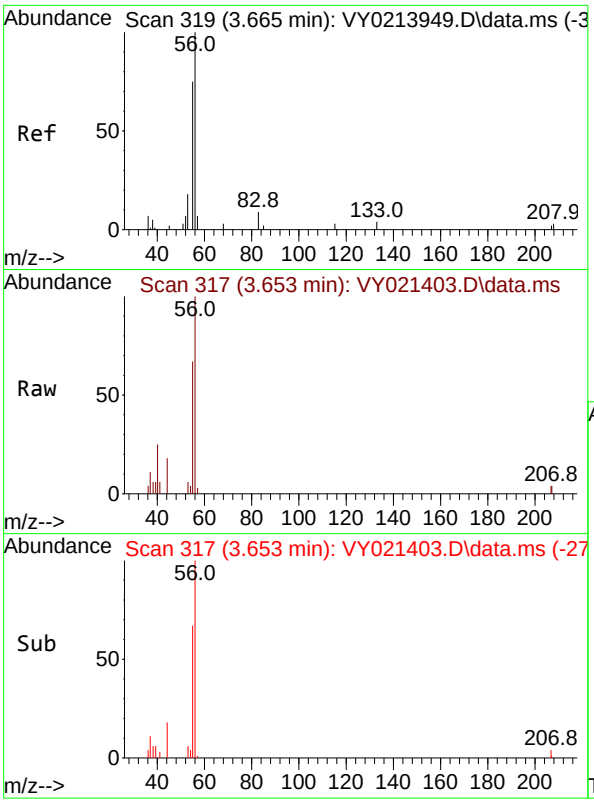


#12
1,1-Dichloroethene
Concen: 5.515 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.001 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 96 Resp: 13880

Ion	Ratio	Lower	Upper
96	100		
61	172.9	135.2	202.8
98	61.9	51.4	77.2

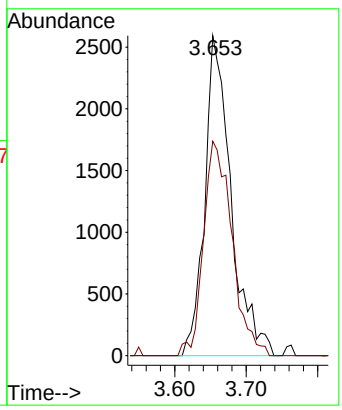




#13
Acrolein
Concen: 50.142 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 56 Resp: 660

Ion	Ratio	Lower	Upper
56	100		
55	72.9	63.4	95.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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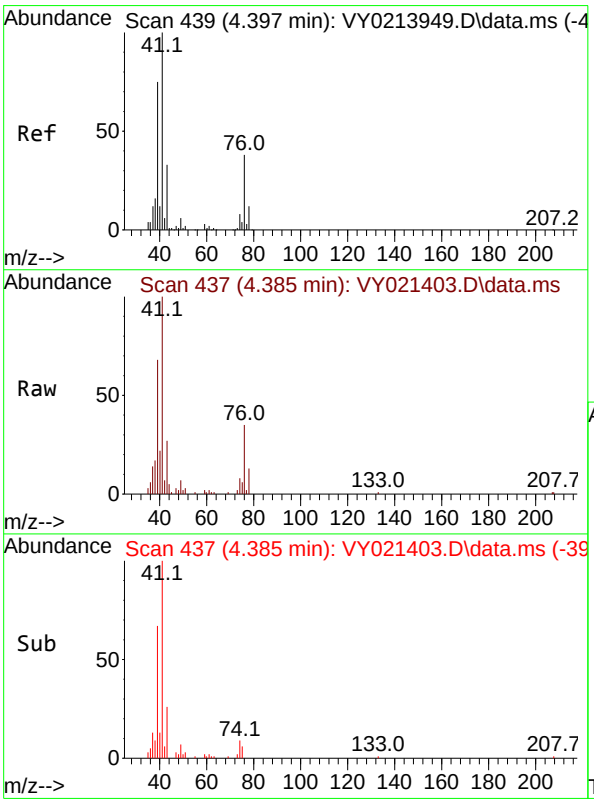
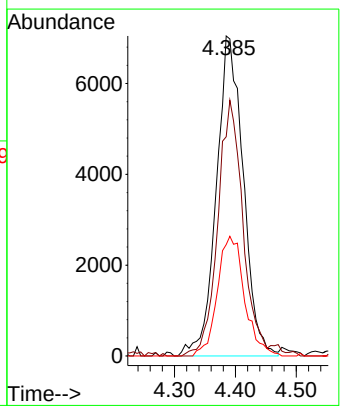
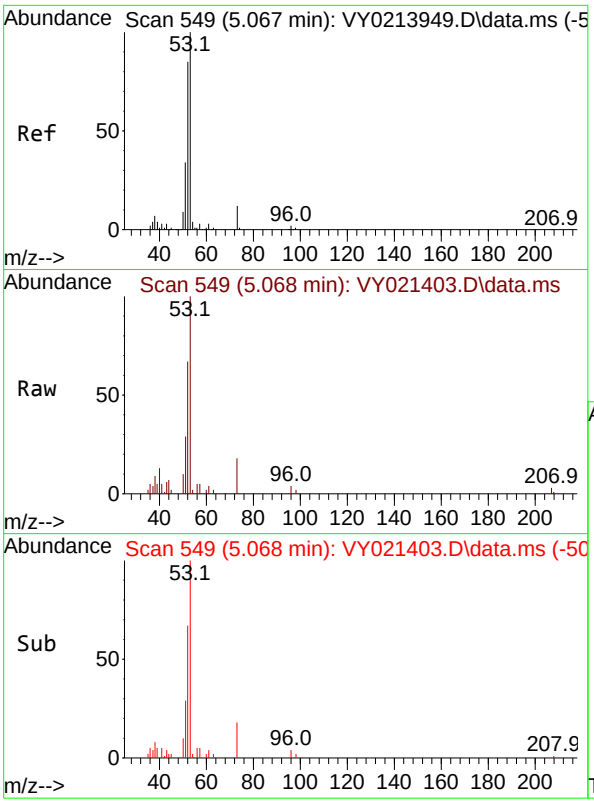


#14
Allyl chloride
Concen: 5.317 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 41 Resp: 21629

Ion	Ratio	Lower	Upper
41	100		
39	74.9	59.3	88.9
76	37.8	29.8	44.8

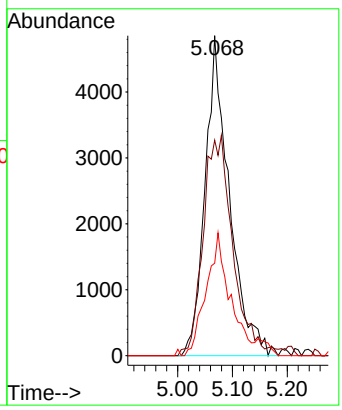




#15
Acrylonitrile
Concen: 26.189 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 53 Resp: 1493

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.3	99.5
51	37.4	30.3	45.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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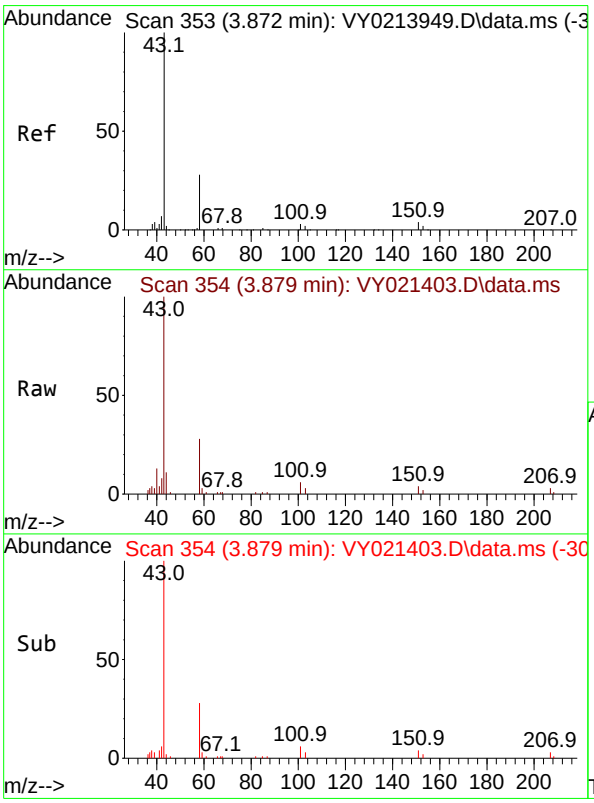
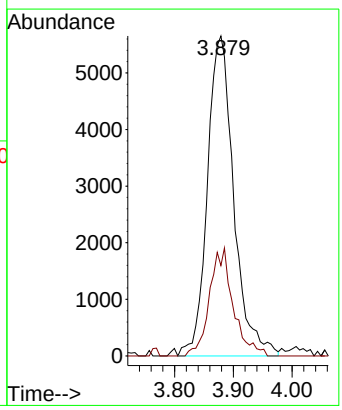
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

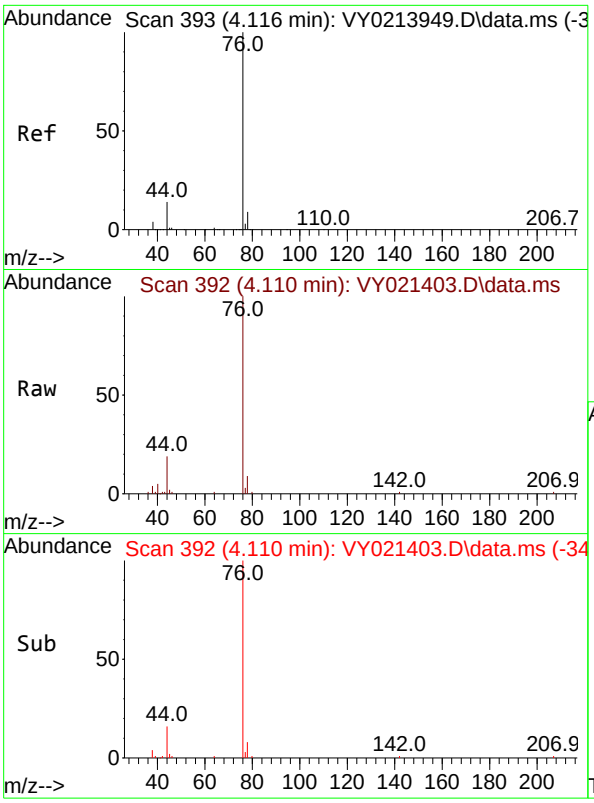


#16
Acetone
Concen: 31.204 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 17626

Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.1	33.1





#17
Carbon Disulfide
Concen: 5.380 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

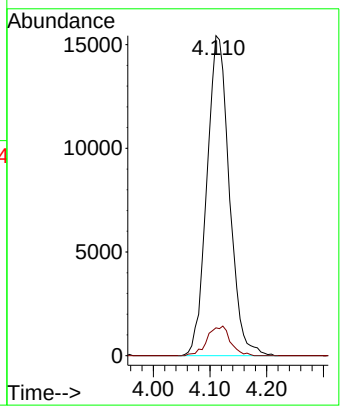
Tgt Ion: 76 Resp: 4244

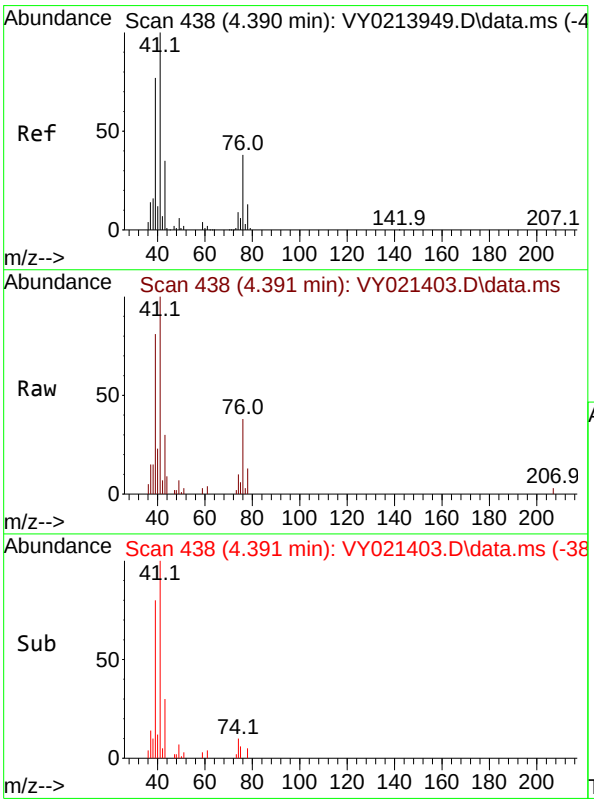
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

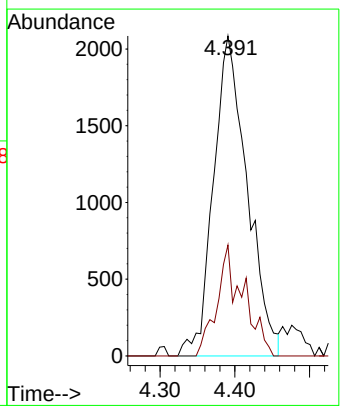


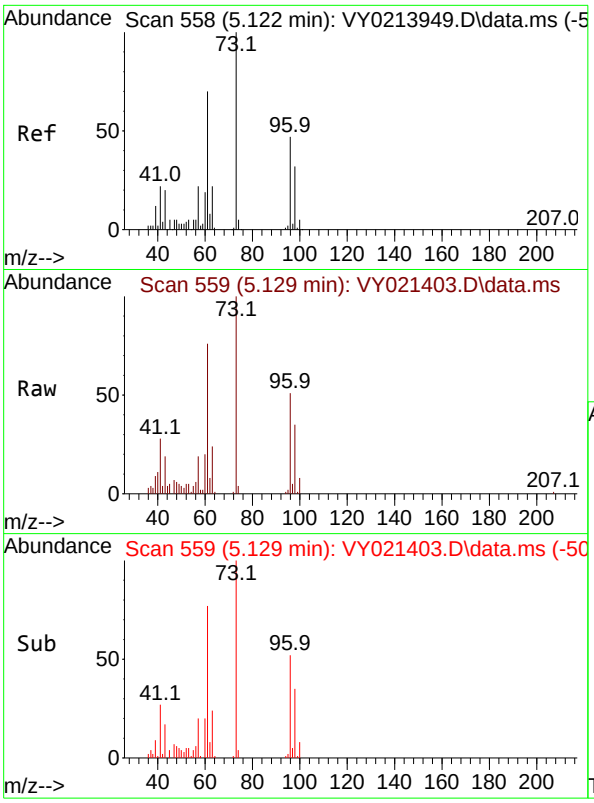


#18
Methyl Acetate
Concen: 5.235 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 6561

Ion	Ratio	Lower	Upper
43	100		
74	27.2	19.4	29.0

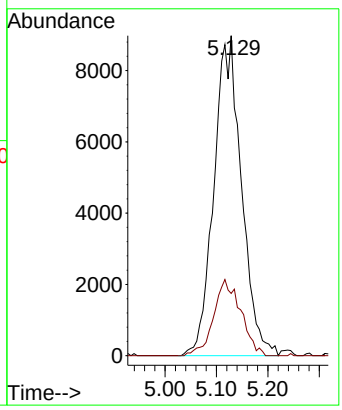




#19
Methyl tert-butyl Ether
Concen: 5.239 ug/l
RT: 5.129 min Scan# 5
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 73 Resp: 3342

Ion	Ratio	Lower	Upper
73	100		
57	19.5	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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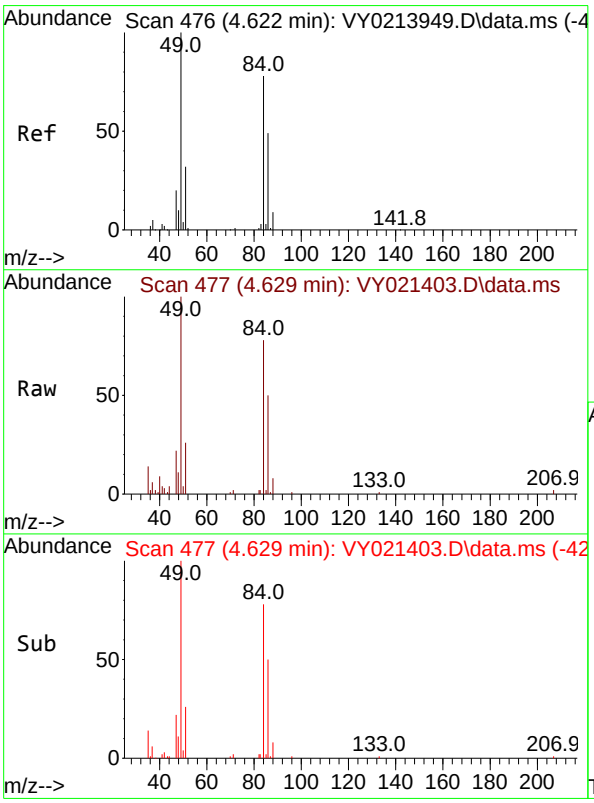
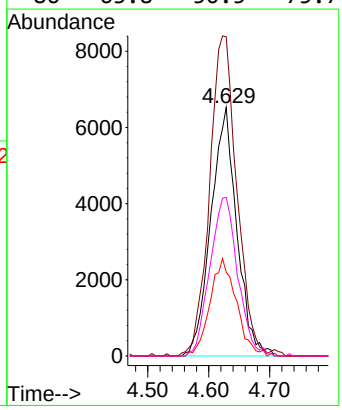
Supervised By :Semsettin Yesilyurt 03/06/2025

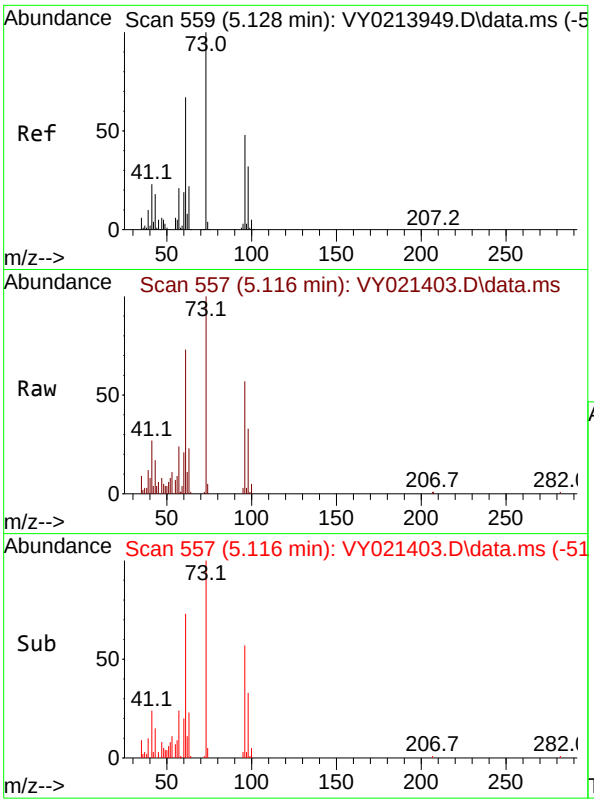


#20
Methylene Chloride
Concen: 6.511 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 84 Resp: 19304

Ion	Ratio	Lower	Upper
84	100		
49	128.4	102.0	153.0
51	33.7	33.0	49.6
86	63.8	50.5	75.7

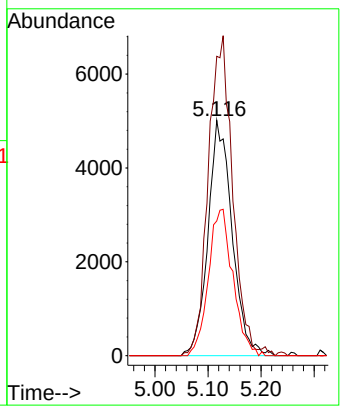




#21
trans-1,2-Dichloroethene
Concen: 5.629 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 96 Resp: 1586

Ion	Ratio	Lower	Upper
96	100		
61	127.2	111.5	167.3
98	57.2	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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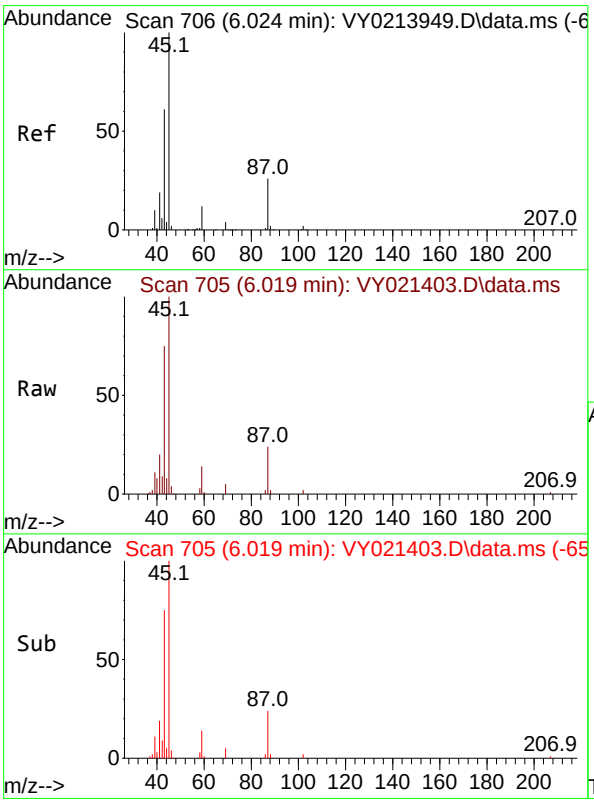
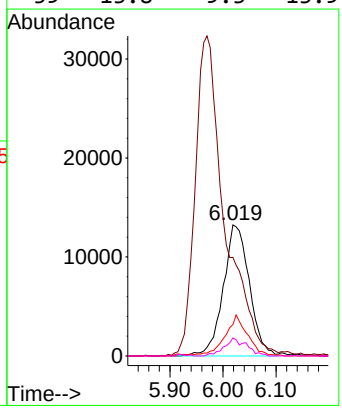
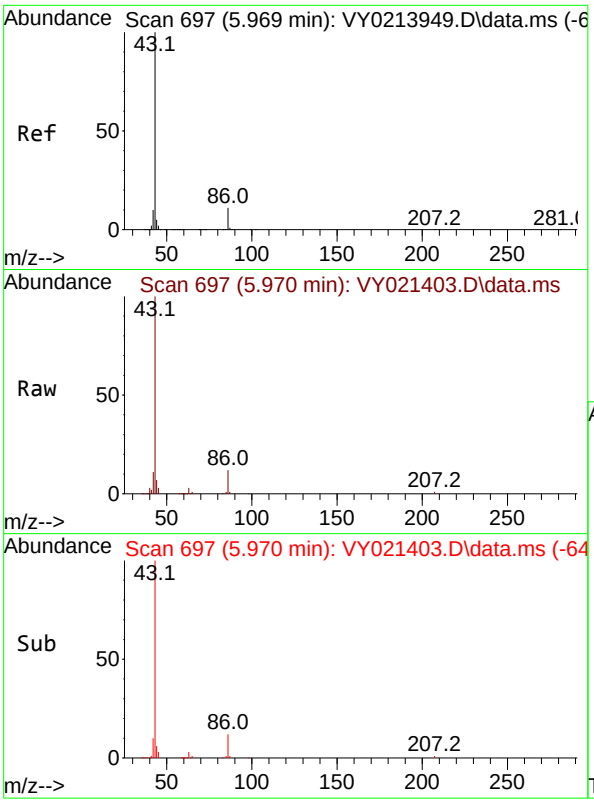


#22
Diisopropyl ether
Concen: 5.161 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 45 Resp: 45242

Ion	Ratio	Lower	Upper
45	100		
43	72.8	48.7	73.1
87	23.0	21.5	32.3
59	13.8	9.3	13.9





#23
Vinyl Acetate
Concen: 24.838 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 12426

Ion	Ratio	Lower	Upper
43	100		
86	12.2	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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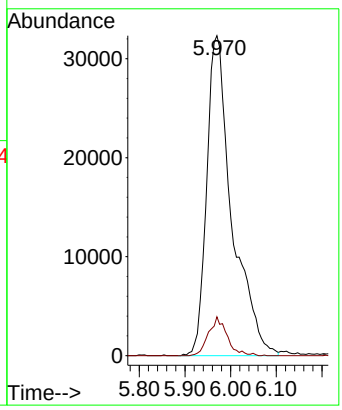
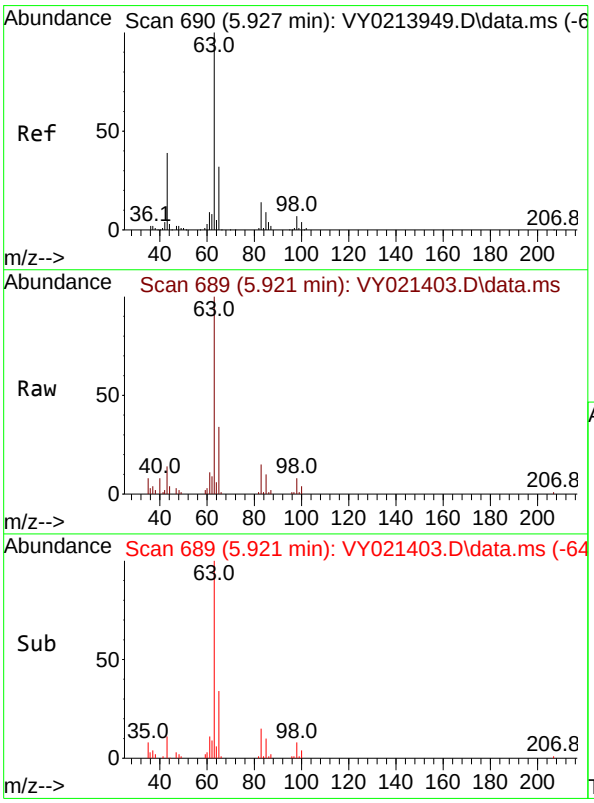
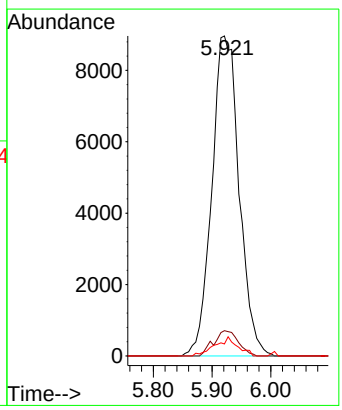


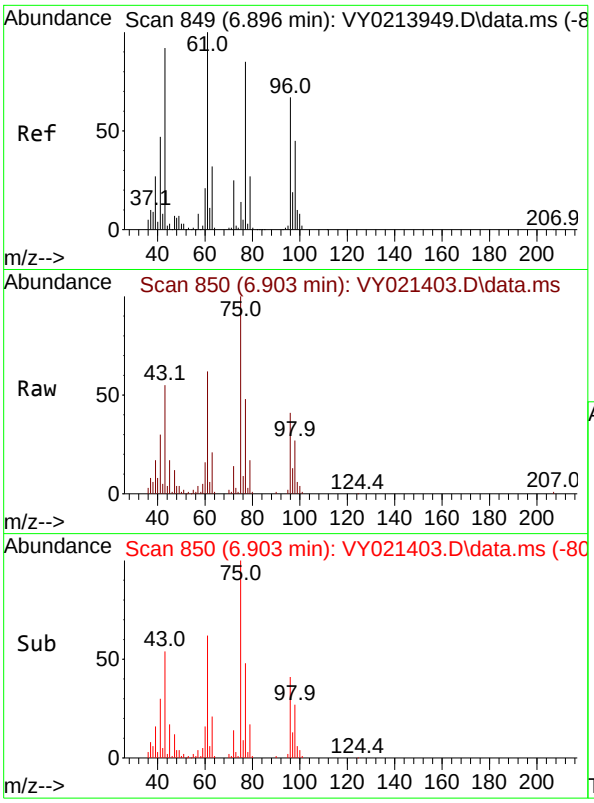


#24
1,1-Dichloroethane
Concen: 5.583 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 63 Resp: 28883

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.3	9.9
100	3.8	2.1	6.5

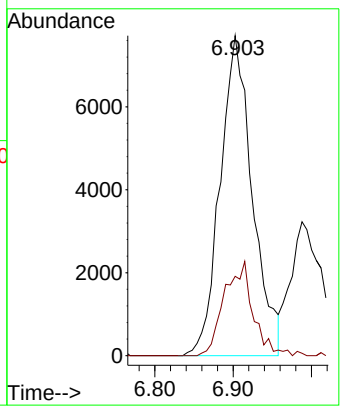




#25
2-Butanone
Concen: 28.249 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 2207

Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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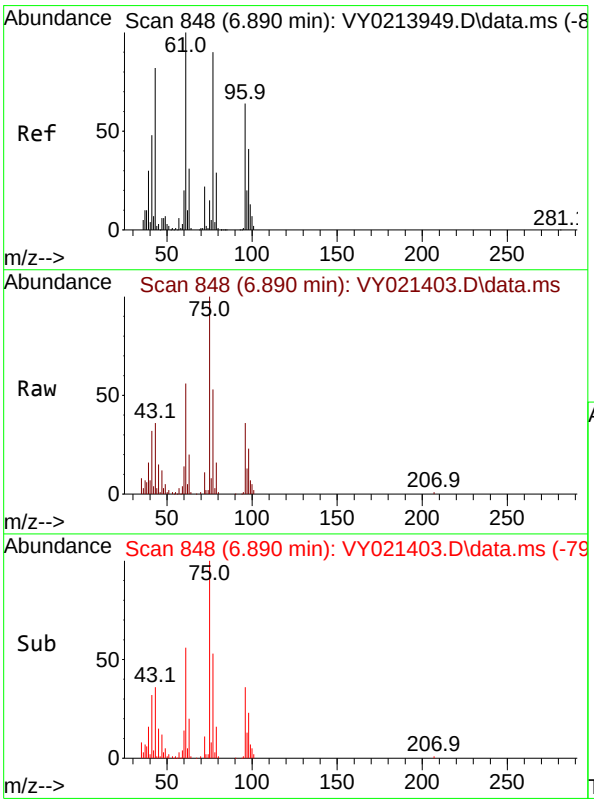
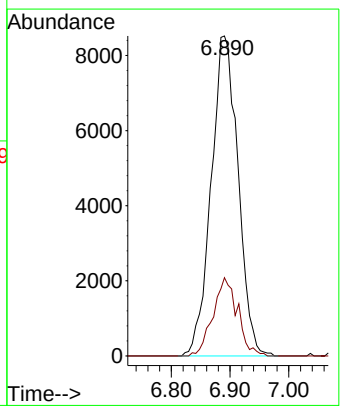
Supervised By :Semsettin Yesilyurt 03/06/2025

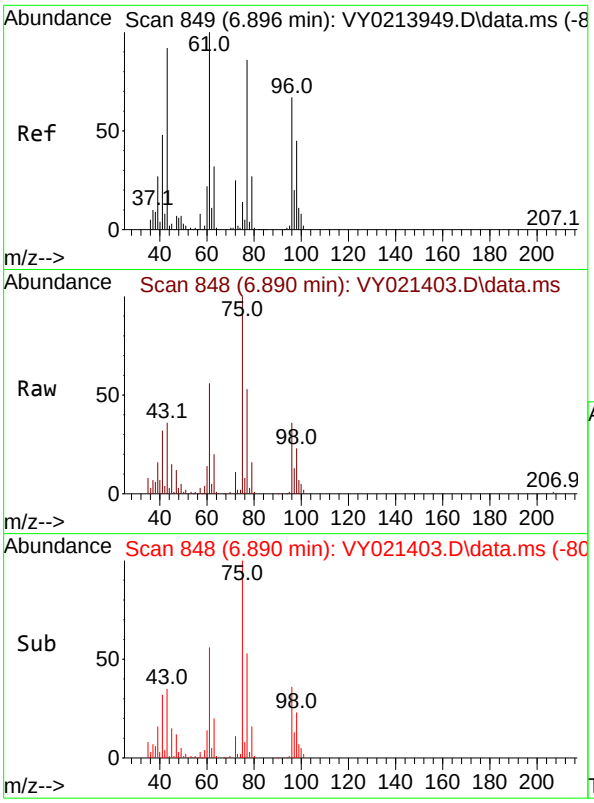


#26
2,2-Dichloropropane
Concen: 5.694 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 77 Resp: 27105

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 5.371 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 96 Resp: 1719

Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	300.8
98	67.4	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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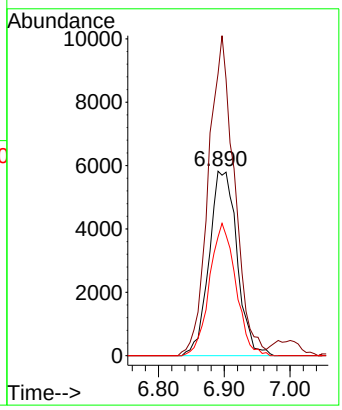
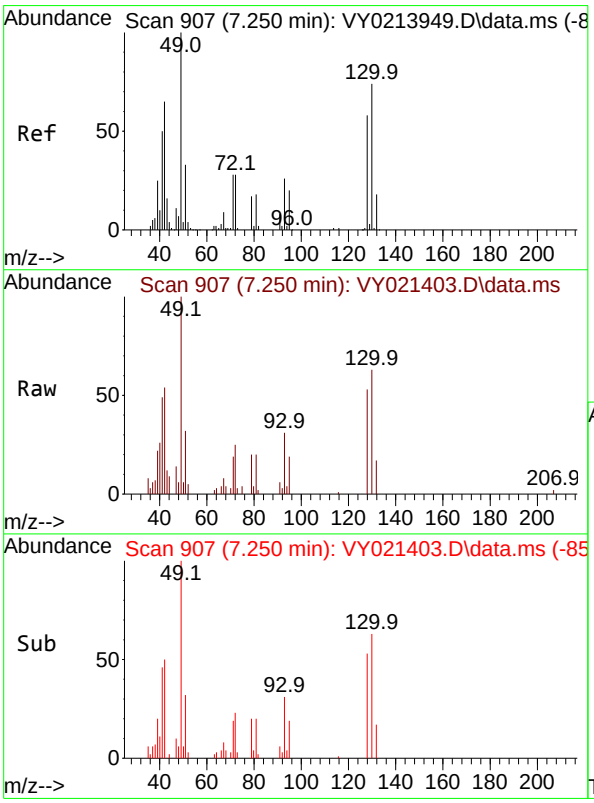
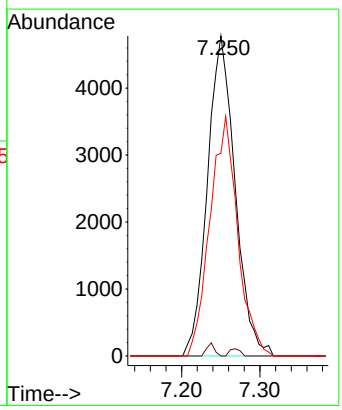


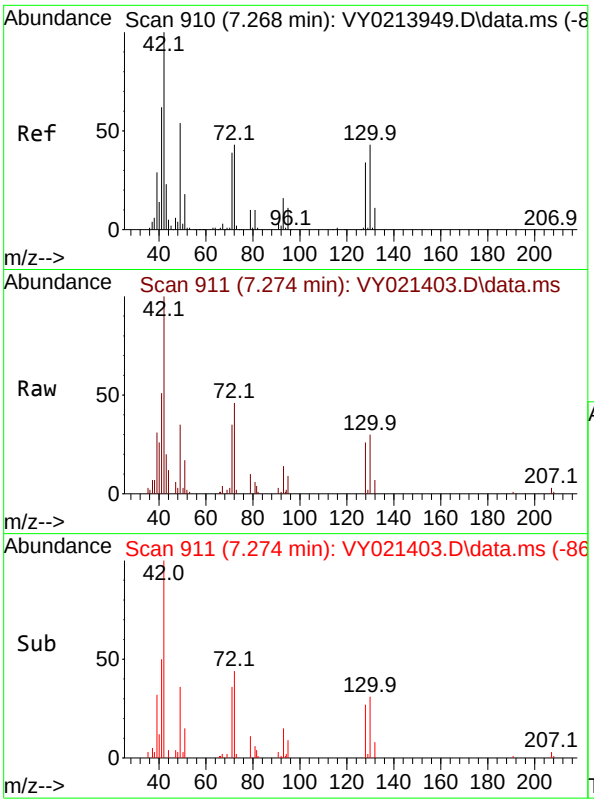


#28
Bromochloromethane
Concen: 5.403 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 49 Resp: 11718

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.2
130	75.1	59.6	89.4

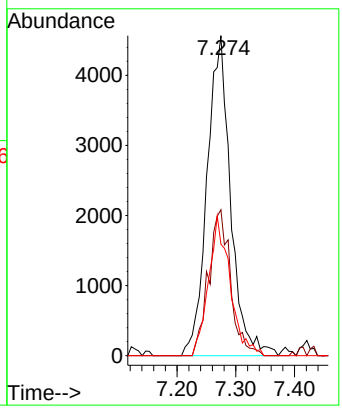




#29
Tetrahydrofuran
Concen: 26.305 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 42 Resp: 1268

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.8	52.2
71	40.0	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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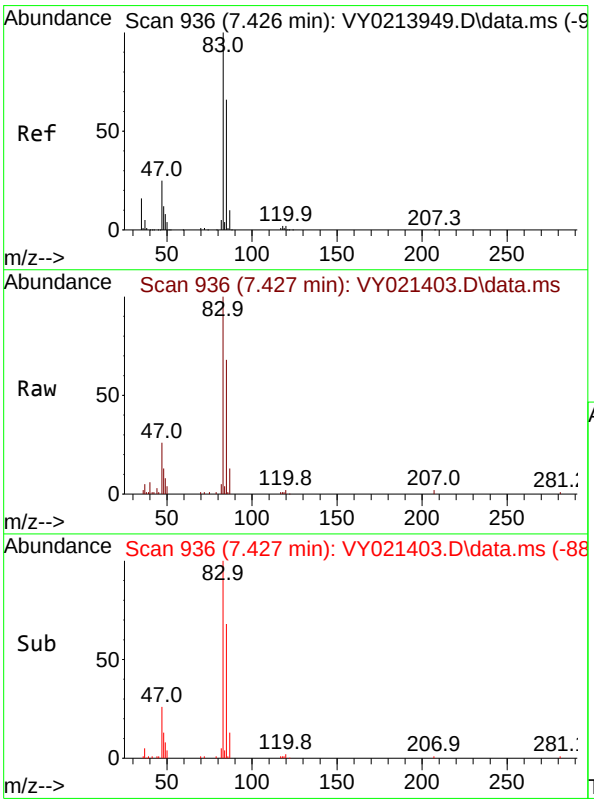
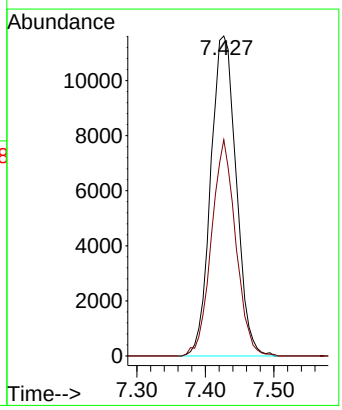
Supervised By :Semsettin Yesilyurt 03/06/2025

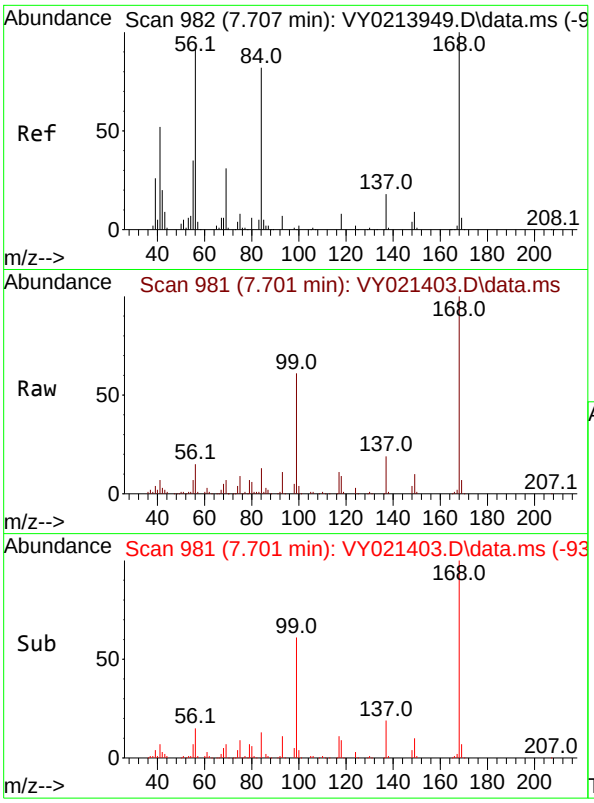


#30
Chloroform
Concen: 5.575 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 83 Resp: 29950

Ion	Ratio	Lower	Upper
83	100		
85	67.5	53.1	79.7

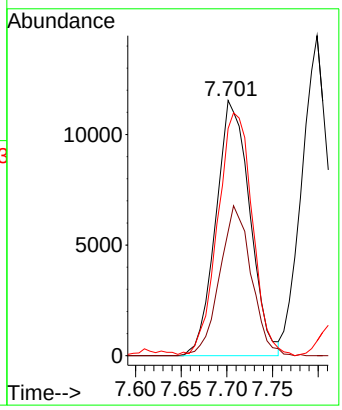




#31
Cyclohexane
Concen: 6.145 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 56 Resp: 2980

Ion	Ratio	Lower	Upper
56	100		
69	48.6	27.0	40.4
84	88.5	71.1	106.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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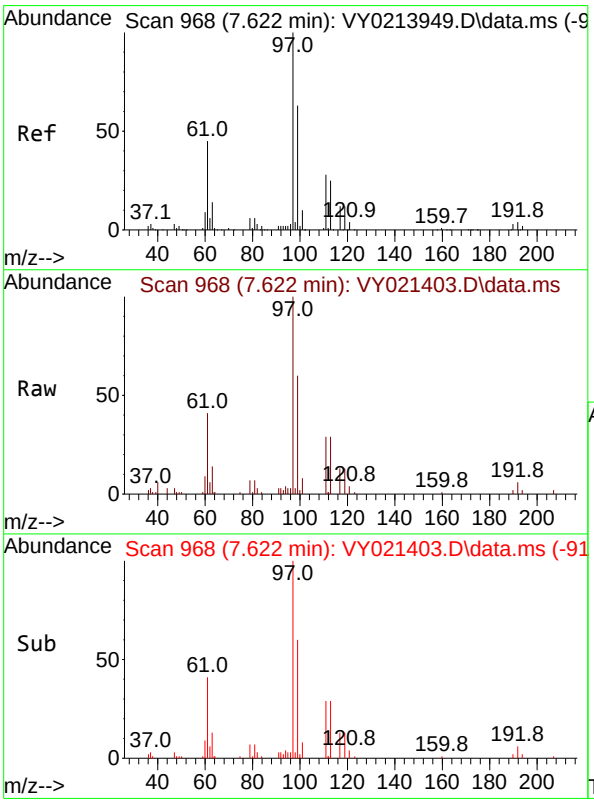
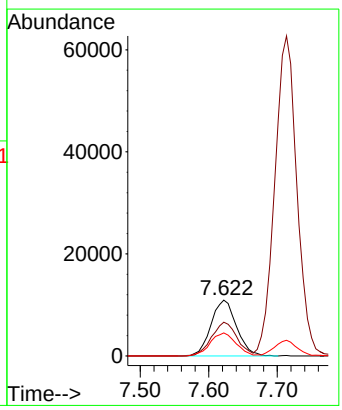
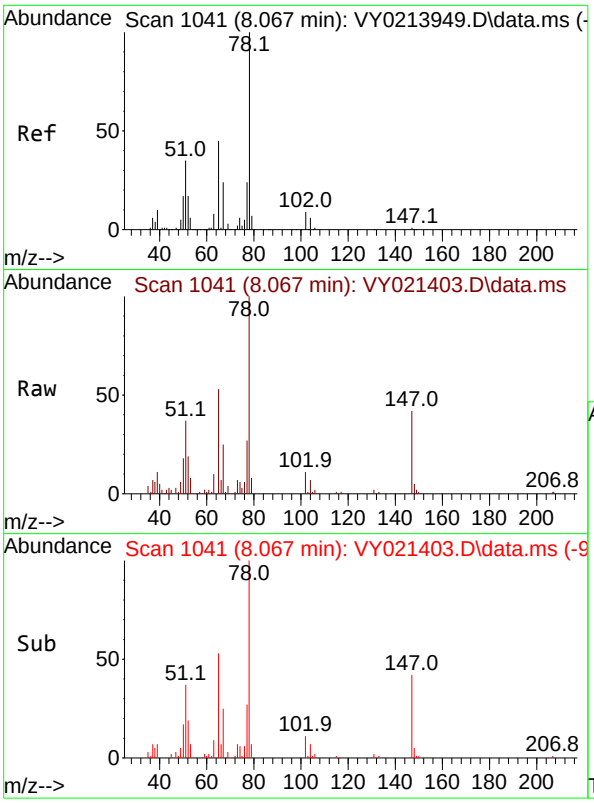


#32
1,1,1-Trichloroethane
Concen: 5.734 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 97 Resp: 28207

Ion	Ratio	Lower	Upper
97	100		
99	60.1	51.7	77.5
61	42.3	35.7	53.5

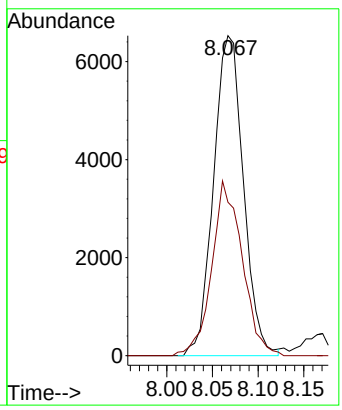




#33
1,2-Dichloroethane-d4
Concen: 5.733 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 65 Resp: 1484

Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	102.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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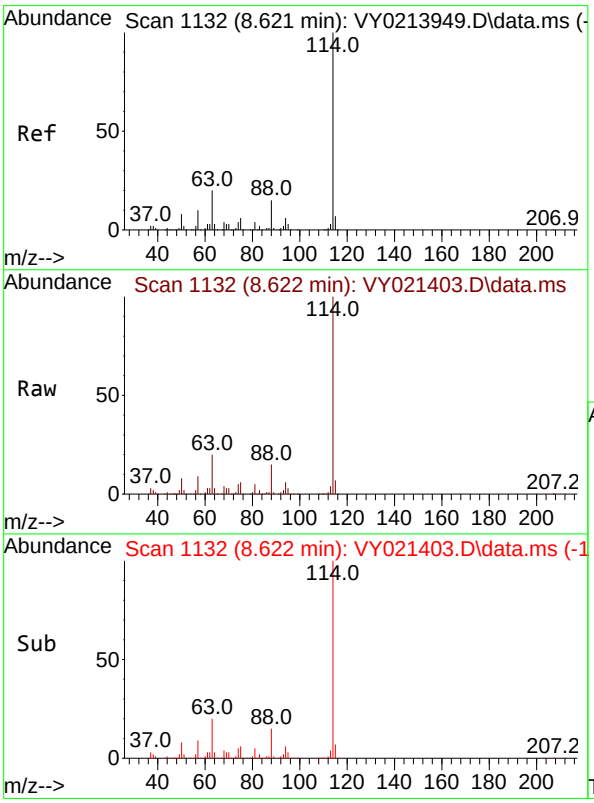
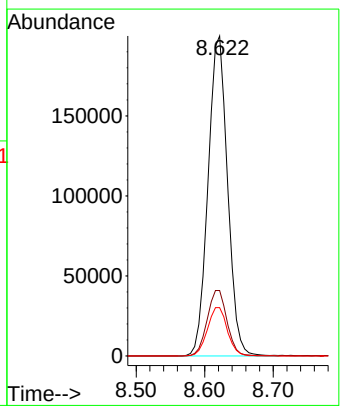
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

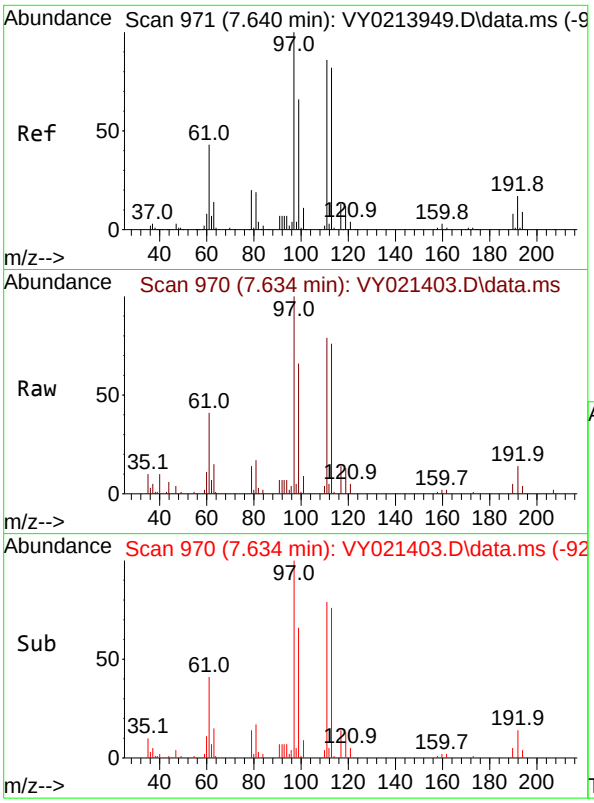


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:114 Resp: 394876

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.8
88	15.1	0.0	30.8

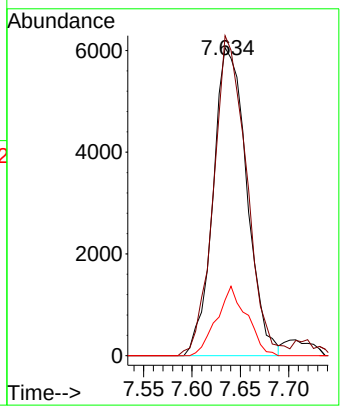




#35
Dibromofluoromethane
Concen: 5.637 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:113 Resp: 1463

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.0	123.0
192	20.1	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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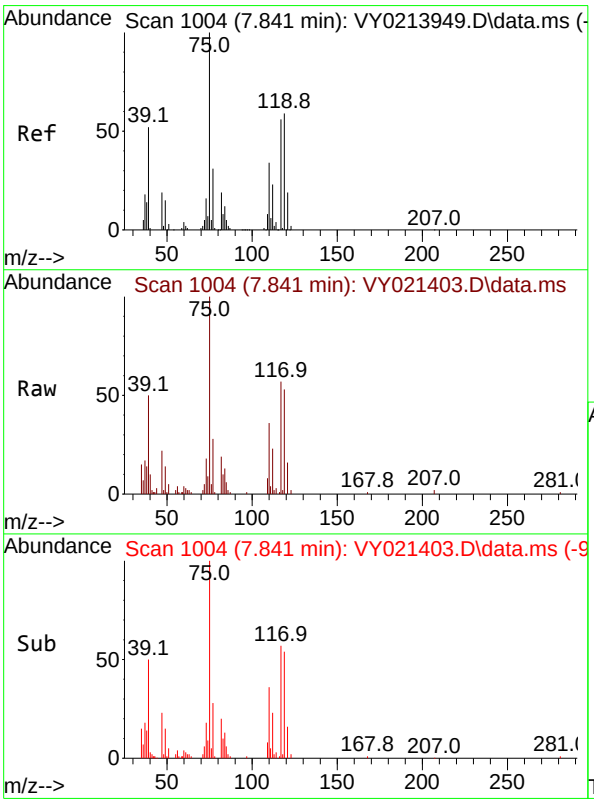
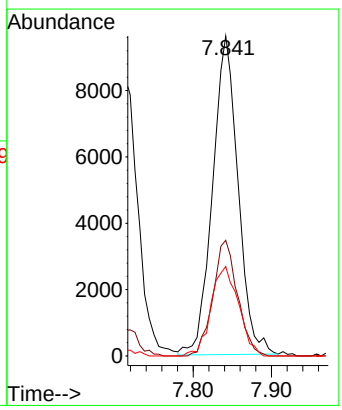
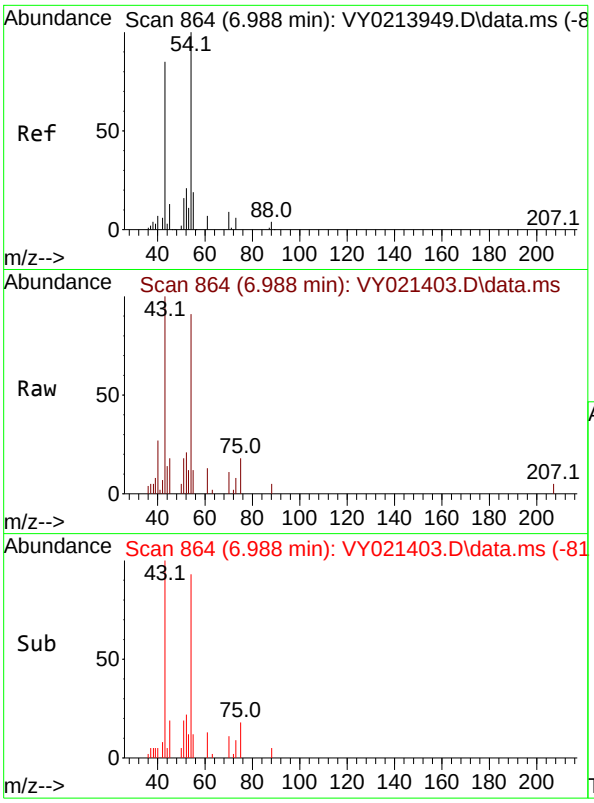


#36
1,1-Dichloropropene
Concen: 5.340 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 75 Resp: 21694

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.3	51.7
77	30.4	25.4	38.2

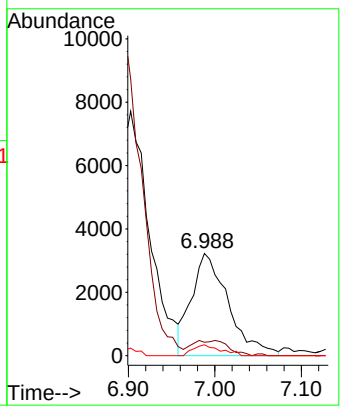




#37
Ethyl Acetate
Concen: 5.205 ug/l m
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 953

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.4	17.0
70	7.9	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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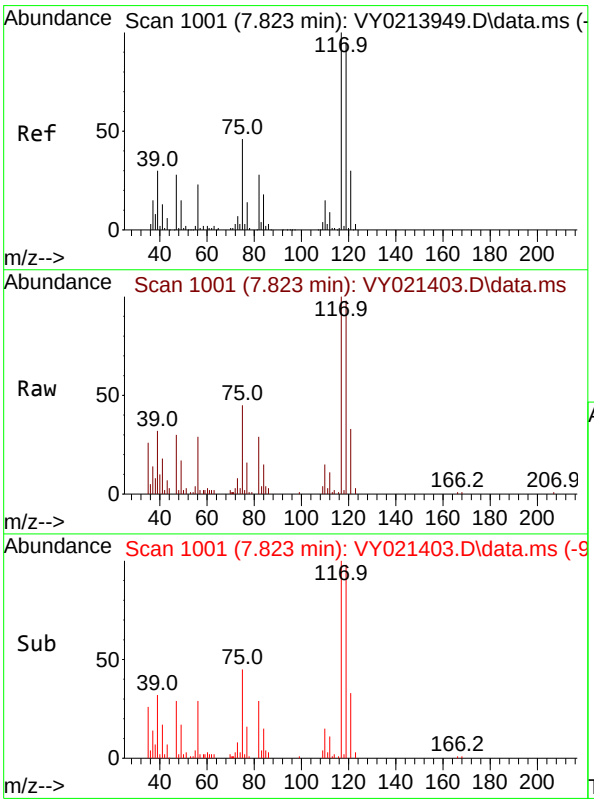
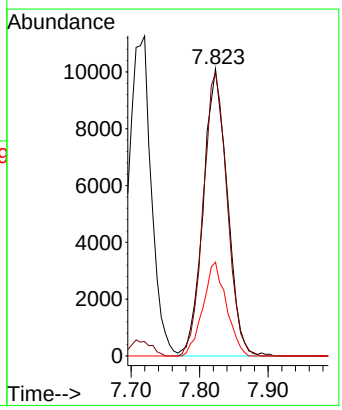
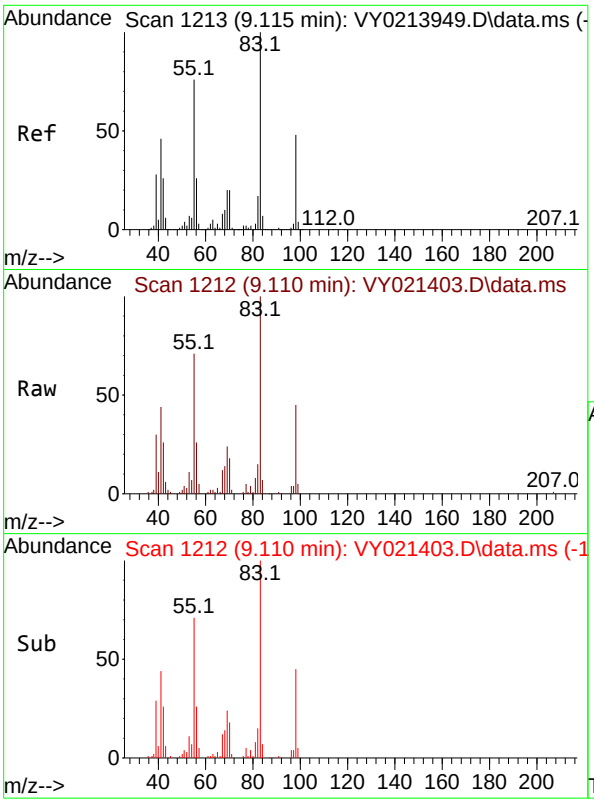


#38
Carbon Tetrachloride
Concen: 5.281 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:117 Resp: 24674

Ion	Ratio	Lower	Upper
117	100		
119	98.5	75.8	113.8
121	32.7	23.9	35.9





#39
Methylcyclohexane
Concen: 5.079 ug/l
RT: 9.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 83 Resp: 2531

Ion	Ratio	Lower	Upper
83	100		
55	71.2	60.7	91.1
98	45.3	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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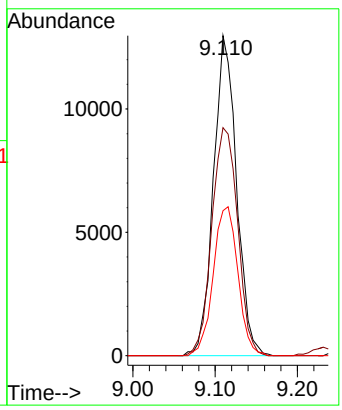
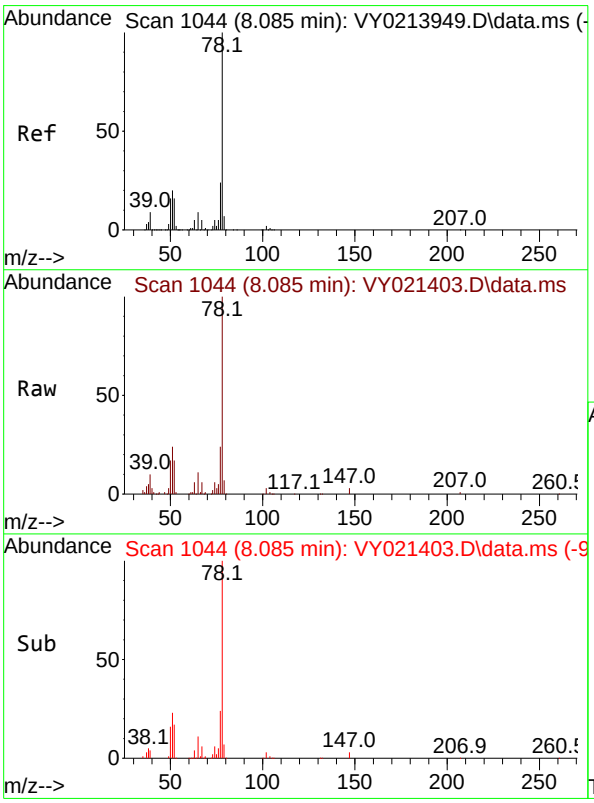
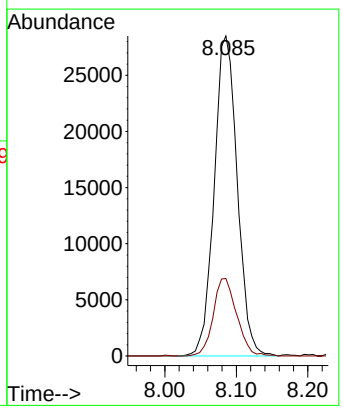


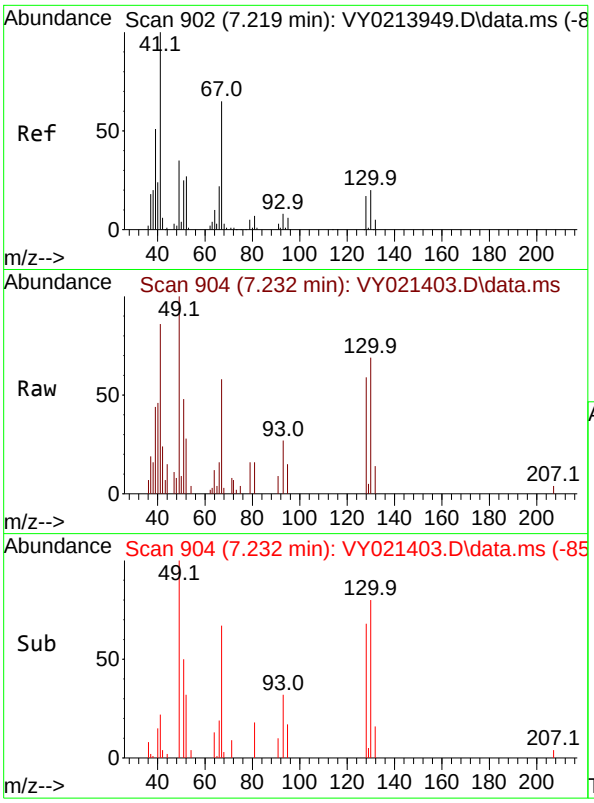


#40
Benzene
Concen: 5.339 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 78 Resp: 63894

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4

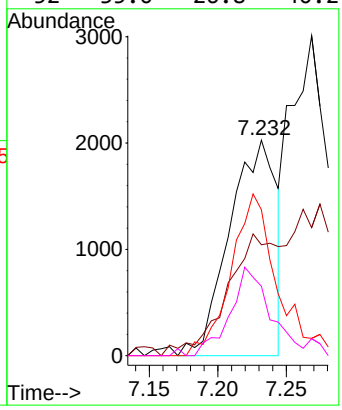




#41
Methacrylonitrile
Concen: 4.834 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.013 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 41 Resp: 482

Ion	Ratio	Lower	Upper
41	100		
39	60.3	35.0	52.6
67	74.9	61.2	91.8
52	35.0	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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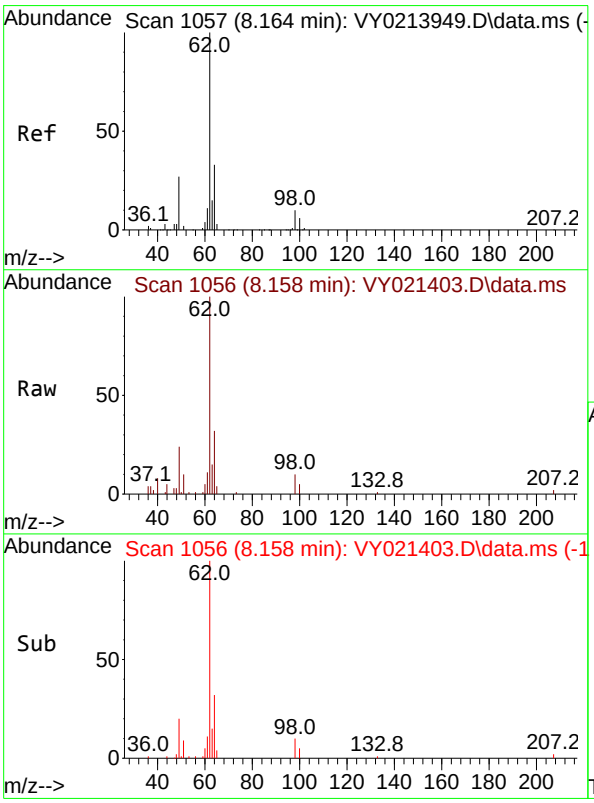
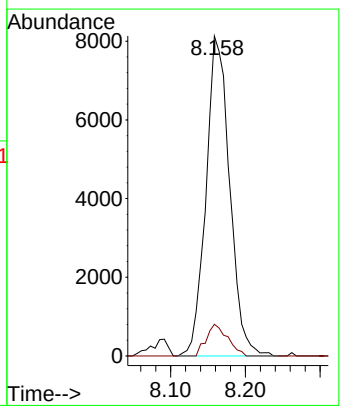
Supervised By :Semsettin Yesilyurt 03/06/2025

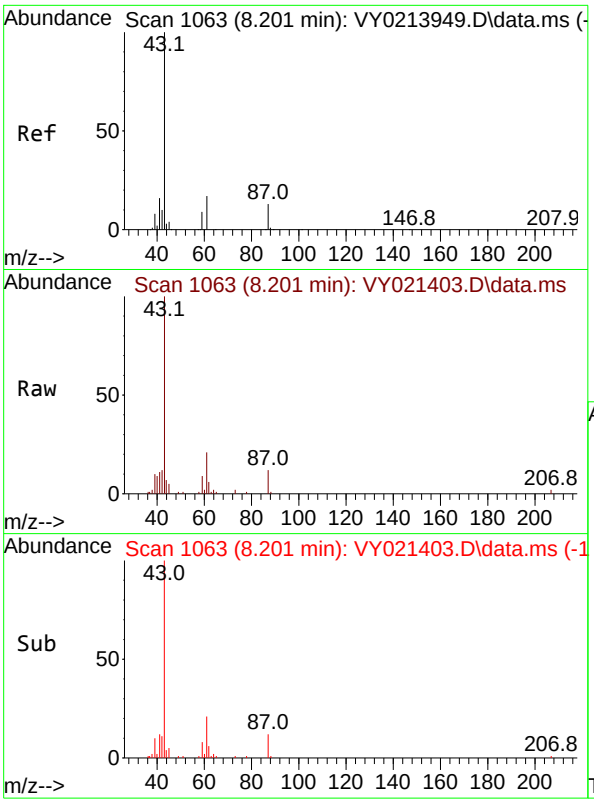


#42
1,2-Dichloroethane
Concen: 5.348 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 62 Resp: 17906

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2

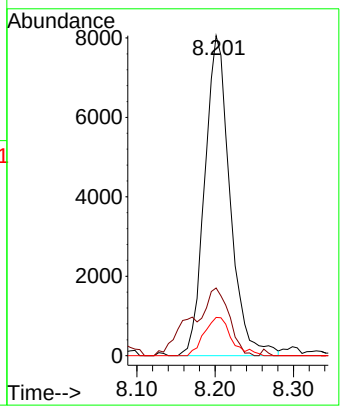




#43
Isopropyl Acetate
Concen: 5.168 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 1801

Ion	Ratio	Lower	Upper
43	100		
61	31.1	23.4	35.0
87	12.9	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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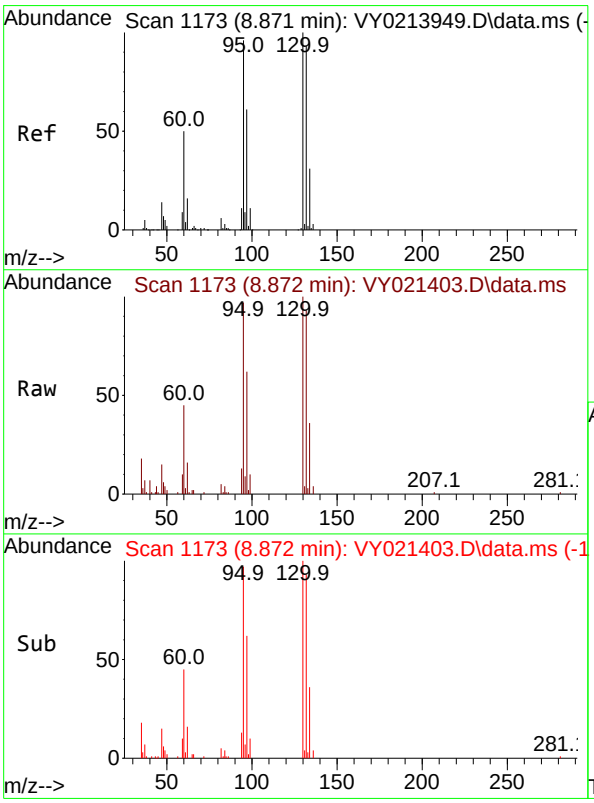
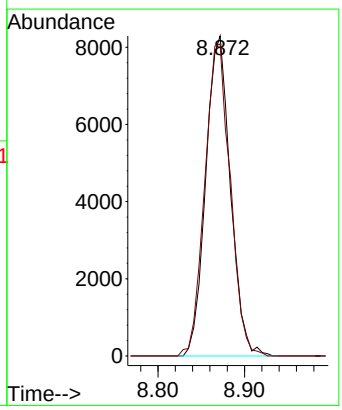
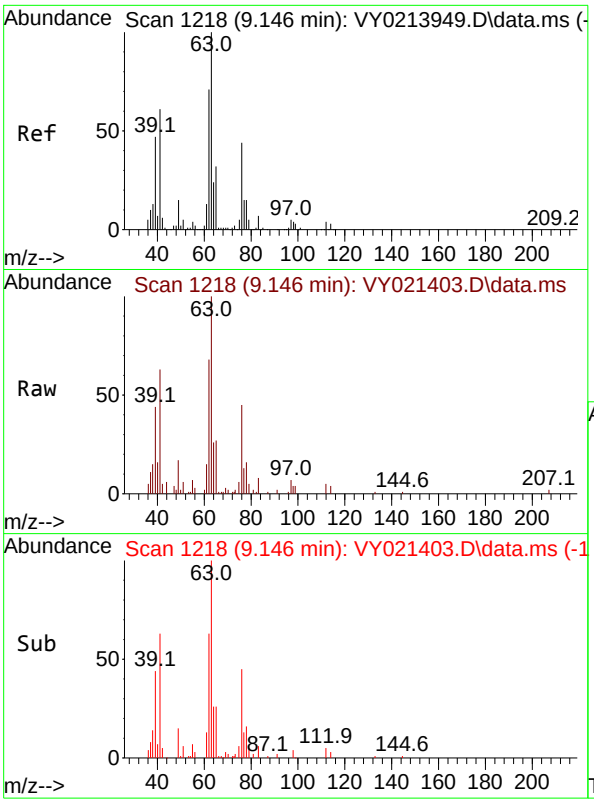


#44
Trichloroethene
Concen: 5.417 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:130 Resp: 16384

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	191.6

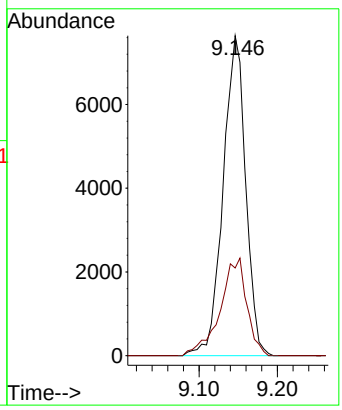




#45
1,2-Dichloropropane
Concen: 5.372 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 63 Resp: 1530

Ion	Ratio	Lower	Upper
63	100		
65	27.4	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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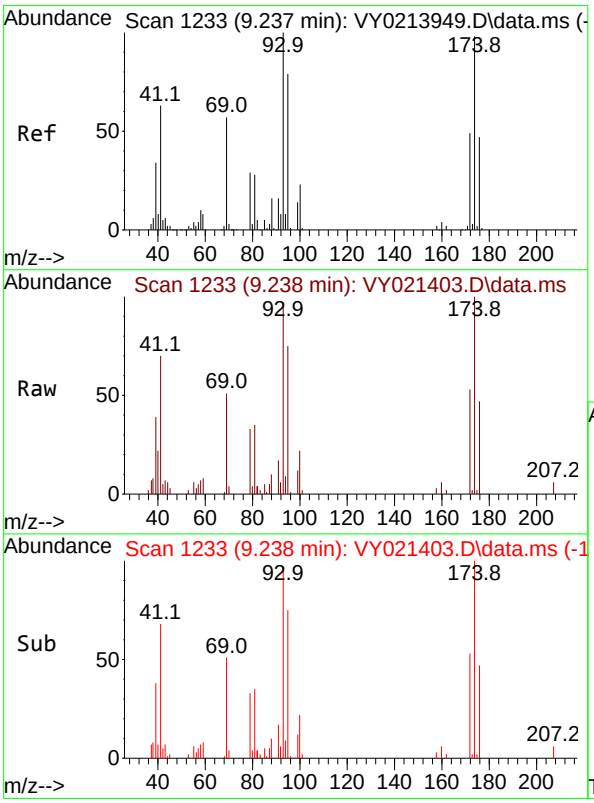
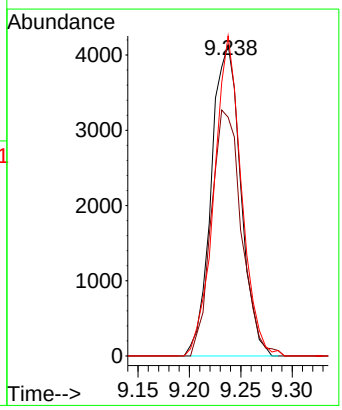
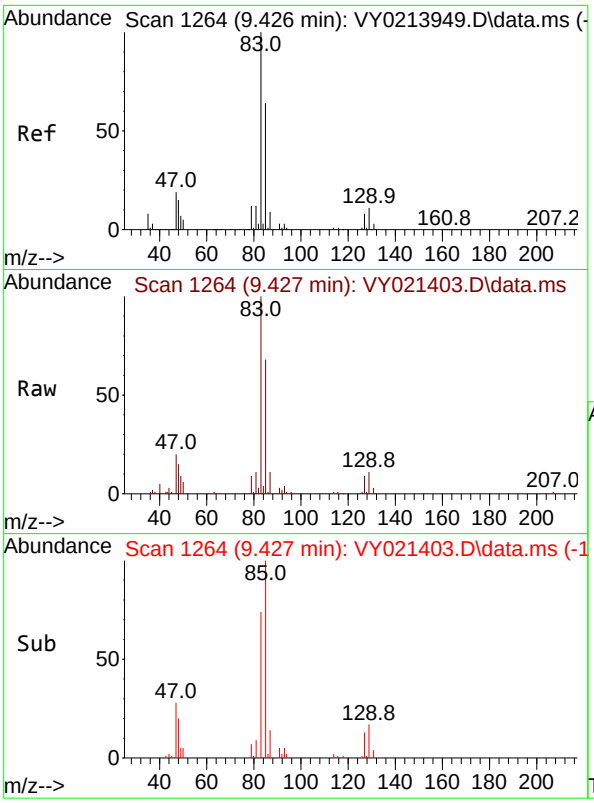


#46
Dibromomethane
Concen: 5.181 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 93 Resp: 8211

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.8	98.8
174	95.9	77.9	116.9

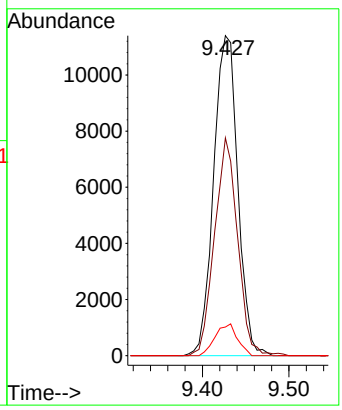




#47
Bromodichloromethane
Concen: 5.247 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 83 Resp: 2208

Ion	Ratio	Lower	Upper
83	100		
85	68.0	51.1	76.7
127	9.0	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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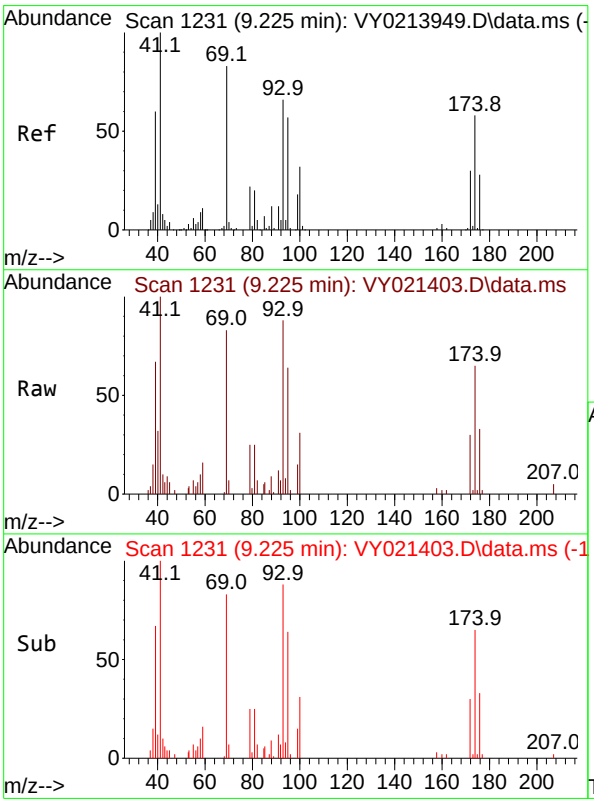
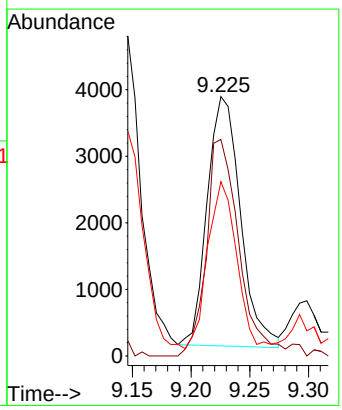
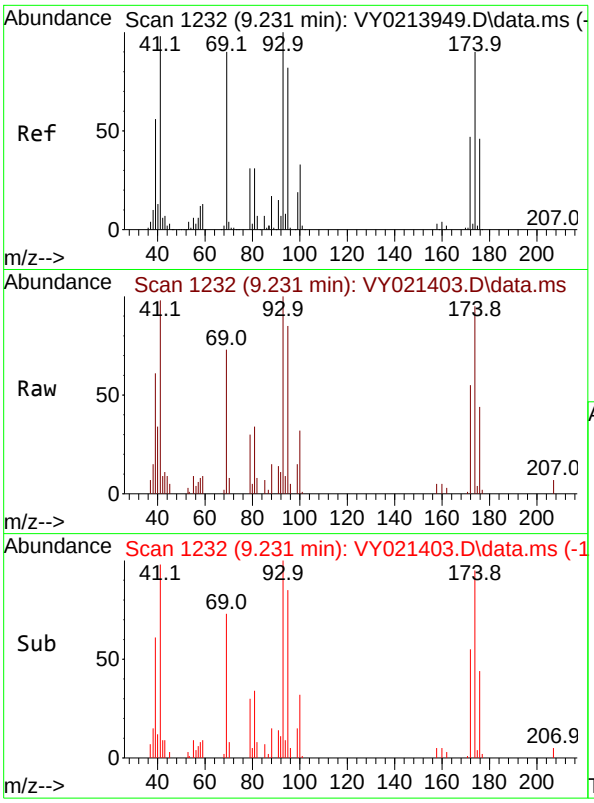


#48
Methyl methacrylate
Concen: 4.568 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 41 Resp: 7383

Ion	Ratio	Lower	Upper
41	100		
69	87.1	67.8	101.8
39	59.5	46.4	69.6

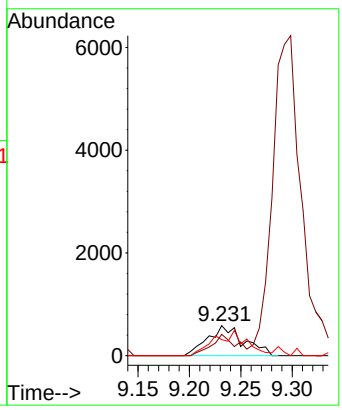




#49
1,4-Dioxane
Concen: 91.537 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 88 Resp: 142

Ion	Ratio	Lower	Upper
88	100		
43	48.4	25.0	37.4
58	74.3	58.4	87.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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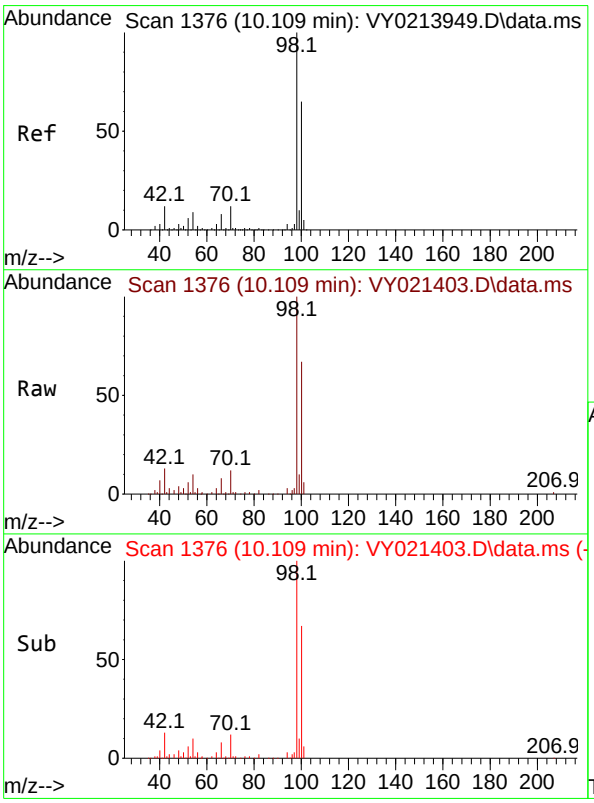
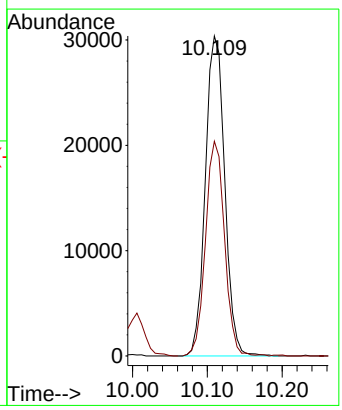
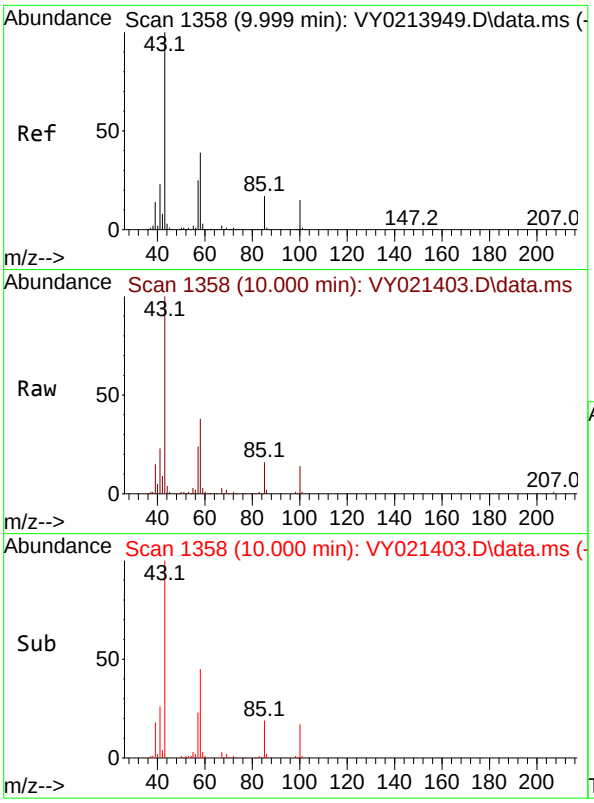


#50
Toluene-d8
Concen: 5.562 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 98 Resp: 54665

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.1	78.1

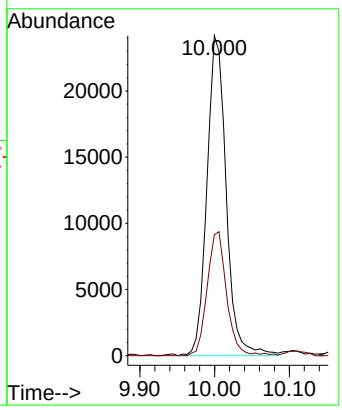




#51
4-Methyl-2-Pentanone
Concen: 24.077 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 4330

Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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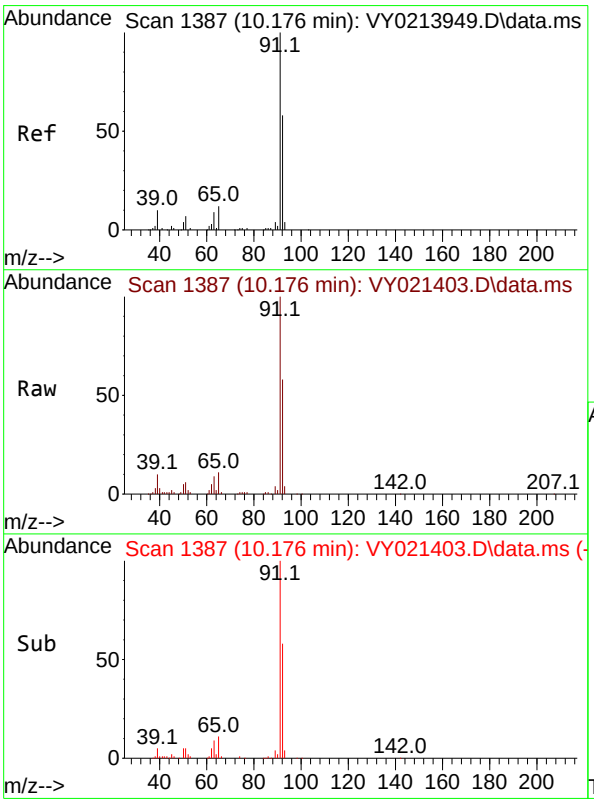
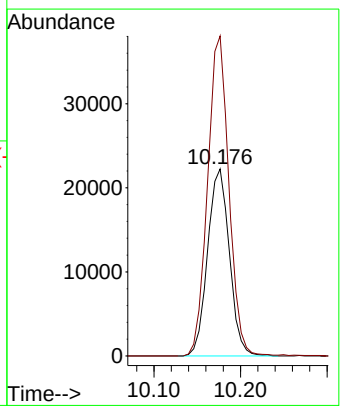
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

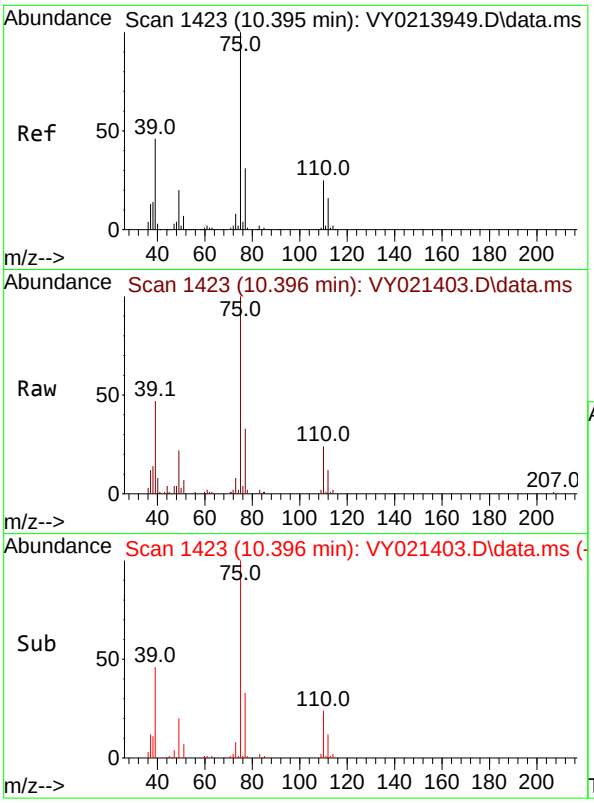


#52
Toluene
Concen: 5.146 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 92 Resp: 38833

Ion	Ratio	Lower	Upper
92	100		
91	167.3	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 4.905 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 75 Resp: 1818

Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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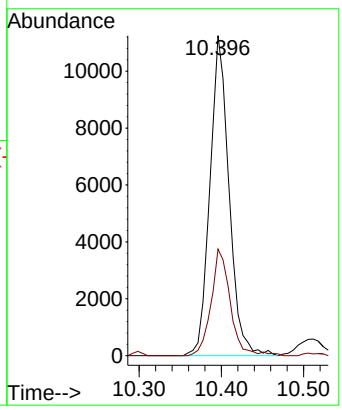
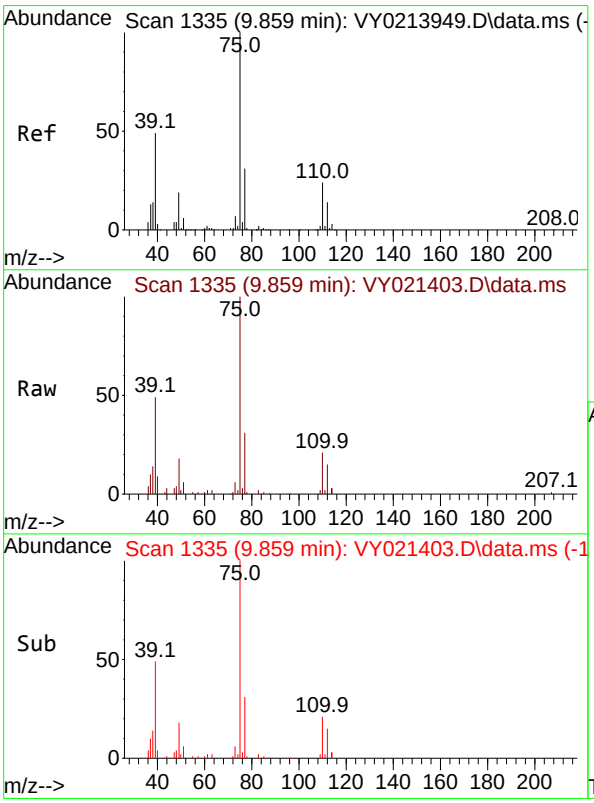
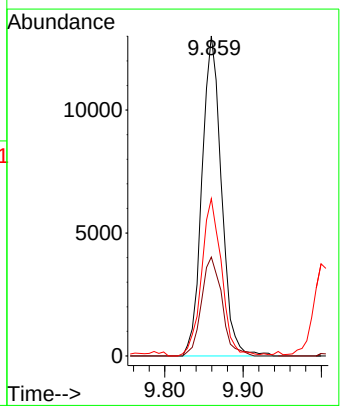


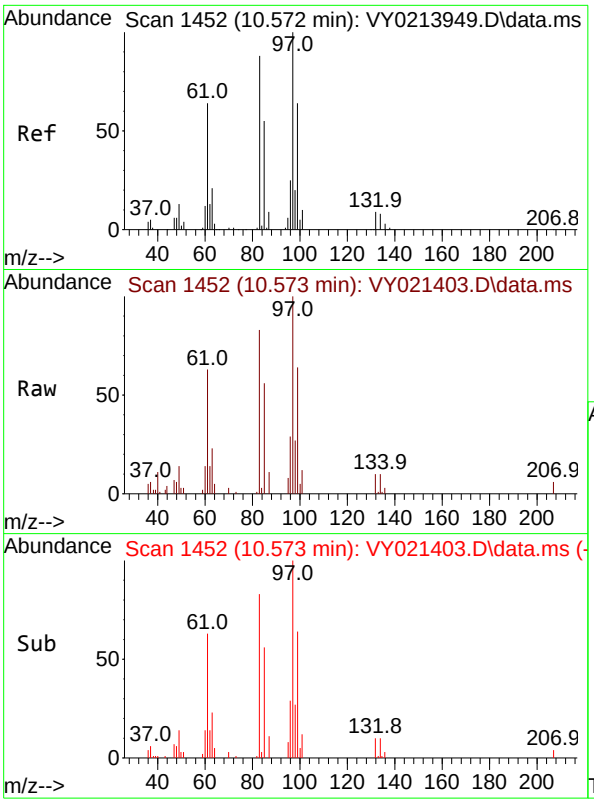


#54
cis-1,3-Dichloropropene
Concen: 5.111 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 75 Resp: 22504

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.6	37.0
39	49.2	39.4	59.2

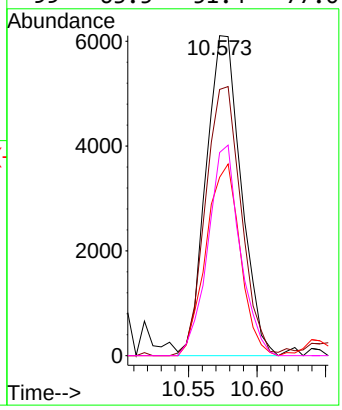




#55
1,1,2-Trichloroethane
Concen: 5.227 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 97 Resp: 1083

Ion	Ratio	Lower	Upper
97	100		
83	82.3	70.0	105.0
85	55.8	44.3	66.5
99	63.5	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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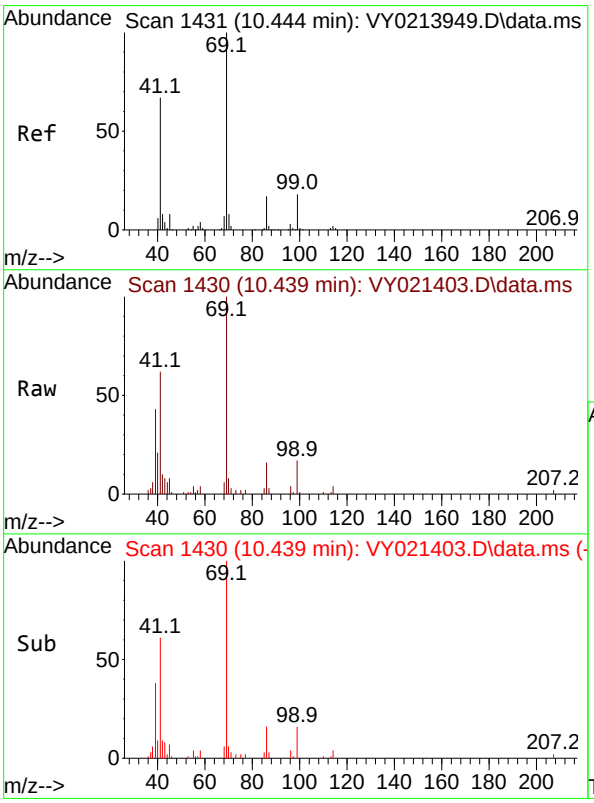
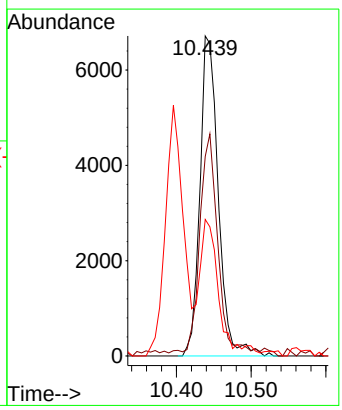
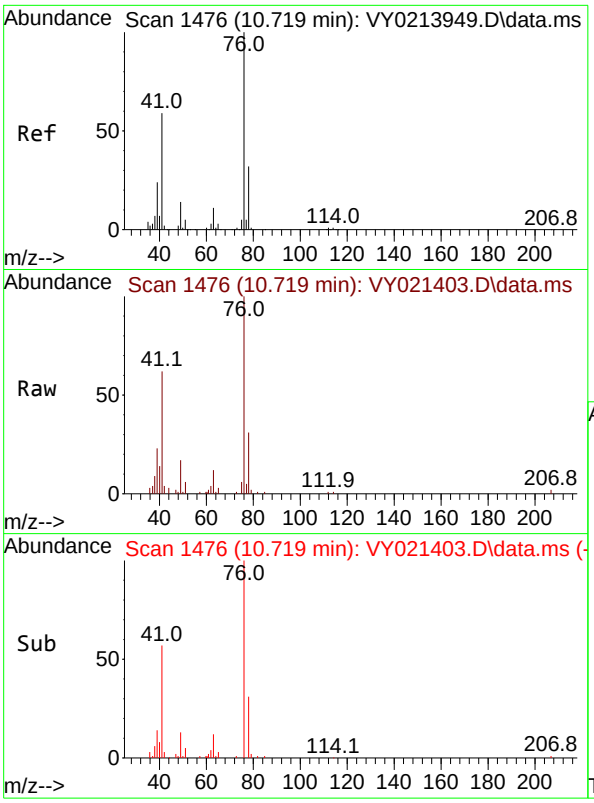


#56
Ethyl methacrylate
Concen: 4.340 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 69 Resp: 11475

Ion	Ratio	Lower	Upper
69	100		
41	67.3	53.3	79.9
39	42.8	31.0	46.6





#57
1,3-Dichloropropane
Concen: 5.115 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 76 Resp: 1838

Ion	Ratio	Lower	Upper
76	100		
78	33.5	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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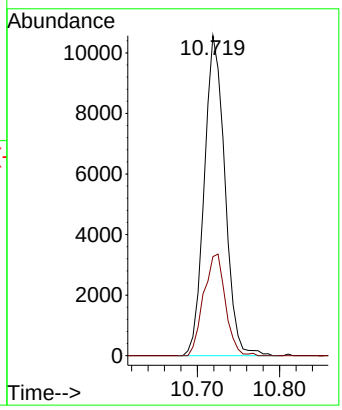
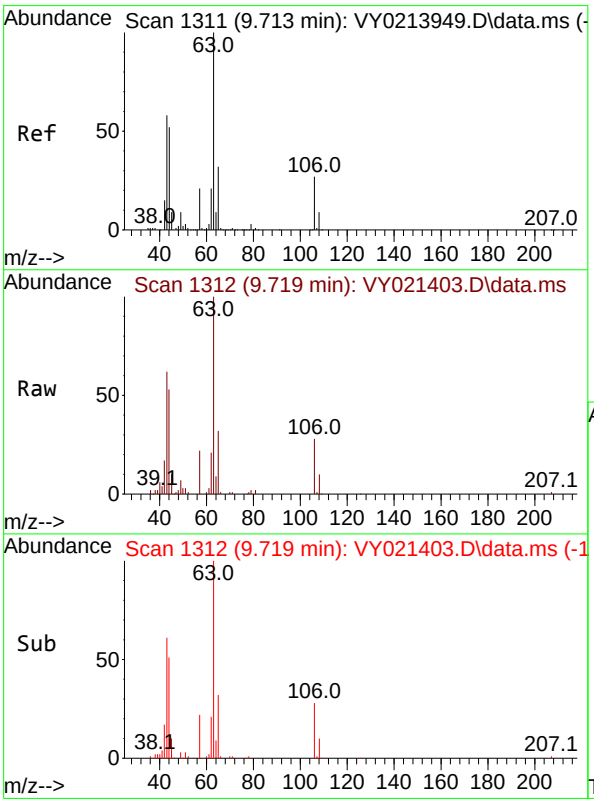
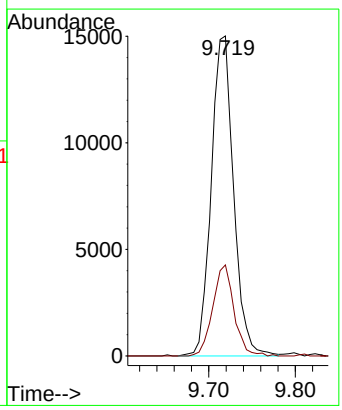


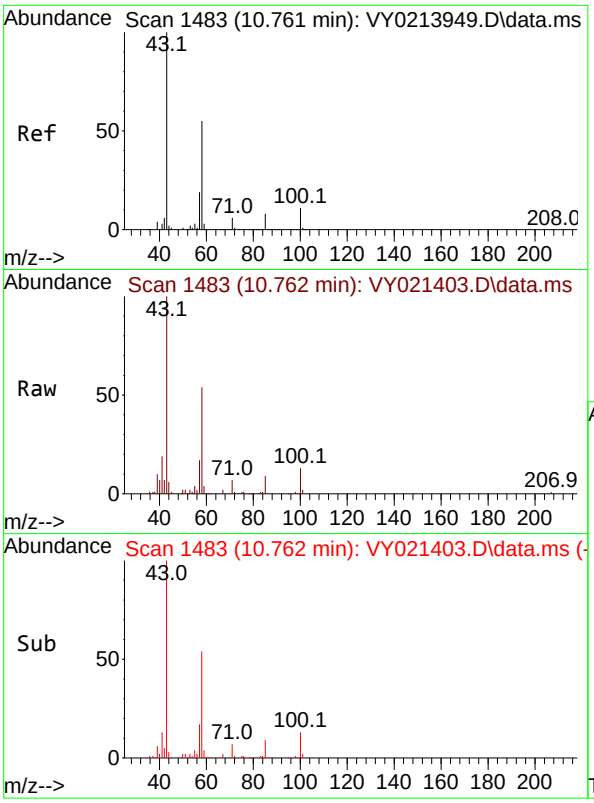


#58
2-Chloroethyl Vinyl ether
Concen: 22.045 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 63 Resp: 26908

Ion	Ratio	Lower	Upper
63	100		
106	27.0	22.1	33.1





#59
2-Hexanone
Concen: 23.073 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 2744

Ion	Ratio	Lower	Upper
43	100		
58	52.5	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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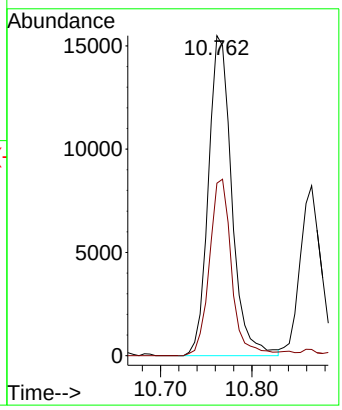
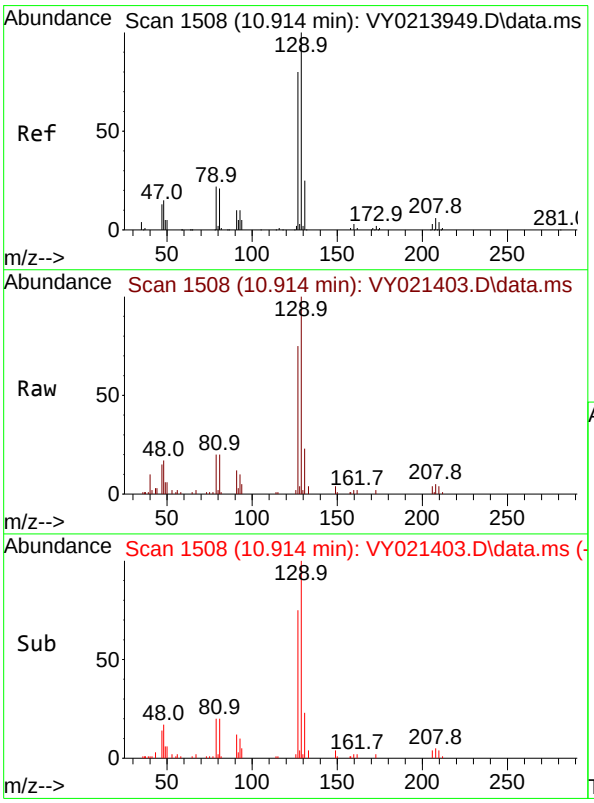
Supervised By :Semsettin Yesilyurt 03/06/2025

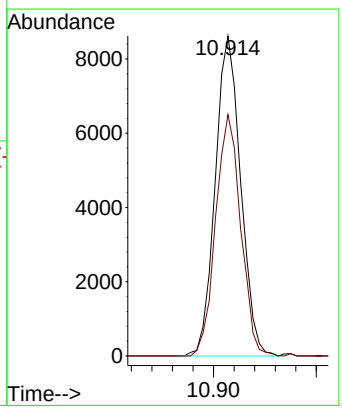


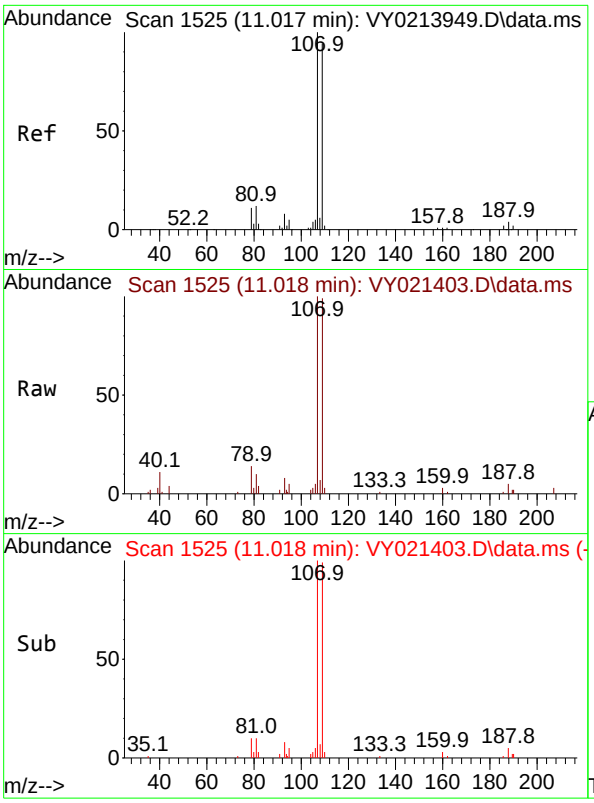


#60
Dibromochloromethane
Concen: 5.197 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:129 Resp: 14771

Ion	Ratio	Lower	Upper
129	100		
127	74.3	39.1	117.3





#61
1,2-Dibromoethane
Concen: 5.207 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:107 Resp: 1018

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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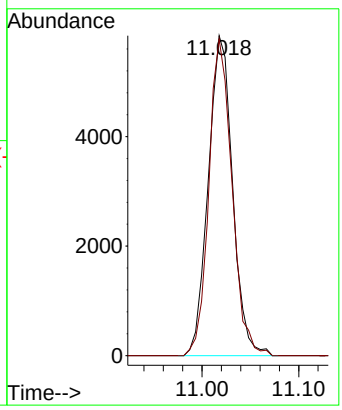
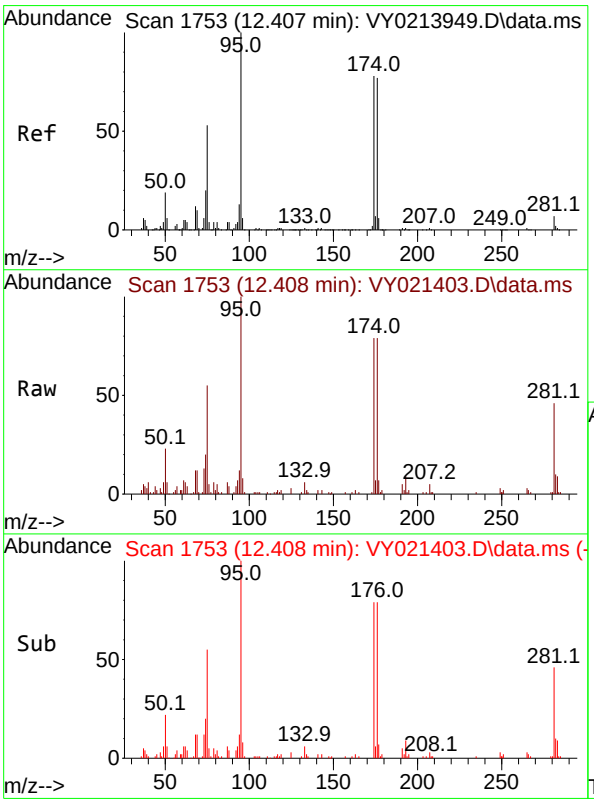
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

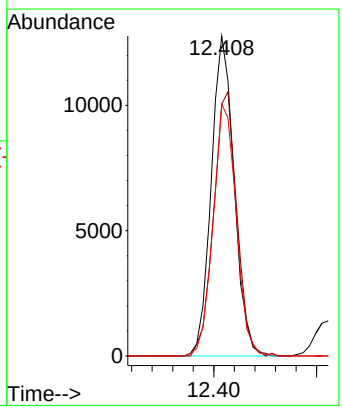


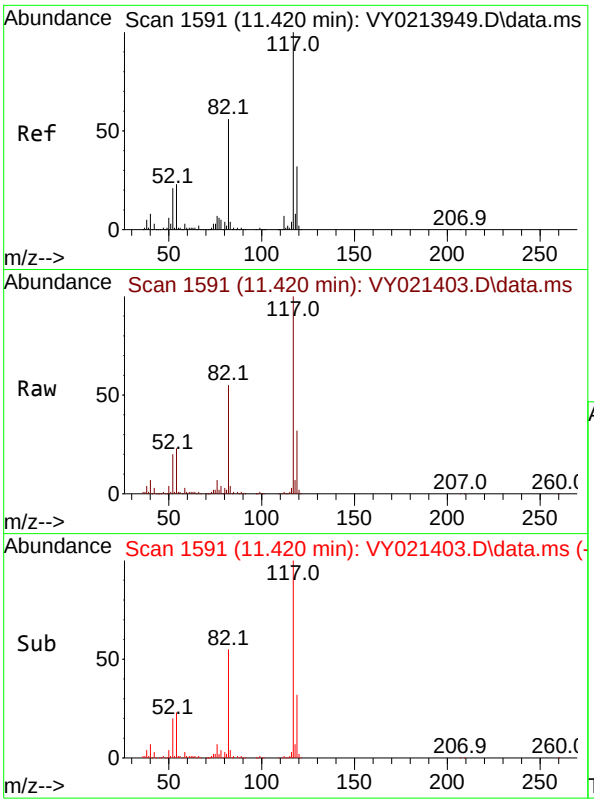


#62
4-Bromofluorobenzene
Concen: 5.882 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 95 Resp: 19663

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	165.0
176	79.9	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:117 Resp: 33762

Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	67.0
119	32.2	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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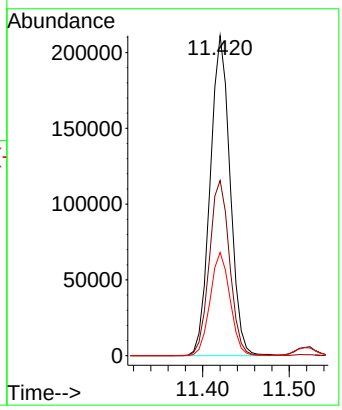
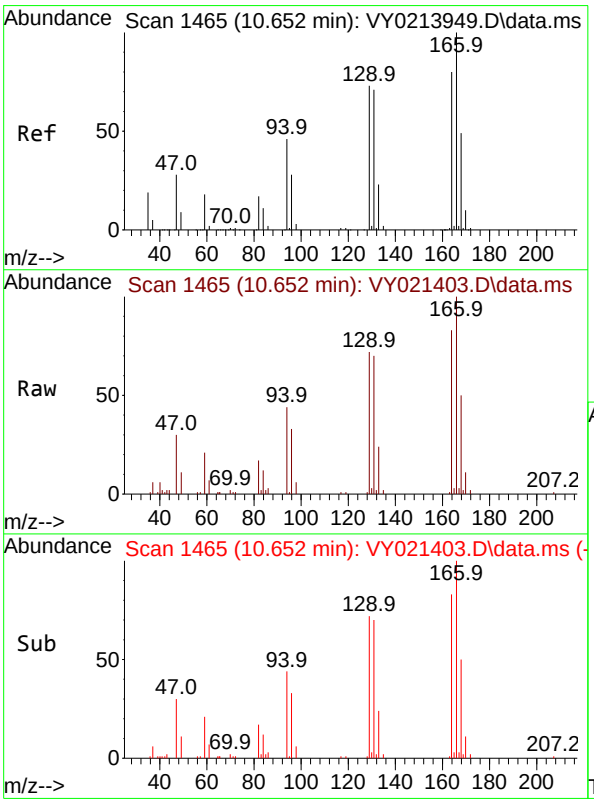
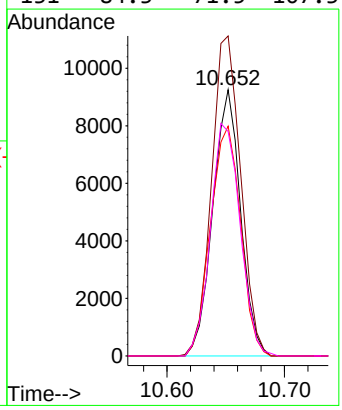


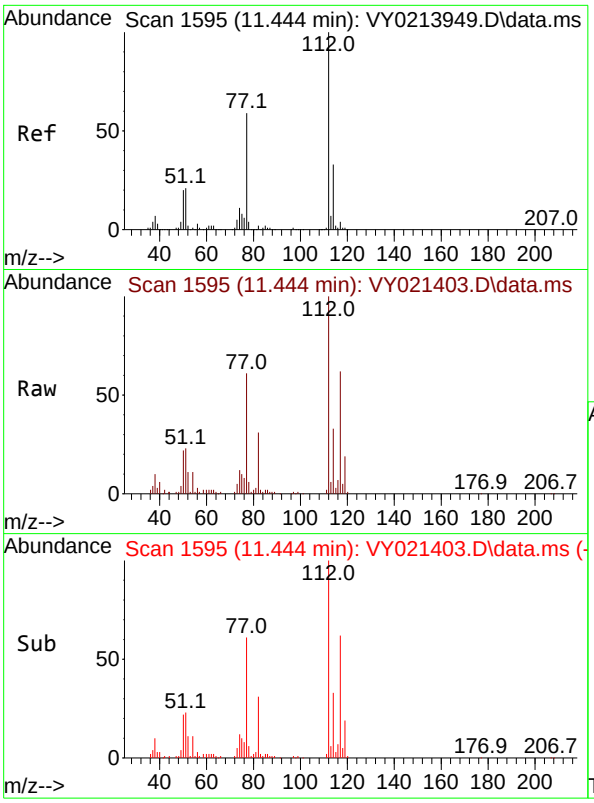


#64
Tetrachloroethene
Concen: 5.518 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:164 Resp: 15148

Ion	Ratio	Lower	Upper
164	100		
166	120.2	100.4	150.6
129	86.3	73.8	110.8
131	84.3	71.5	107.3

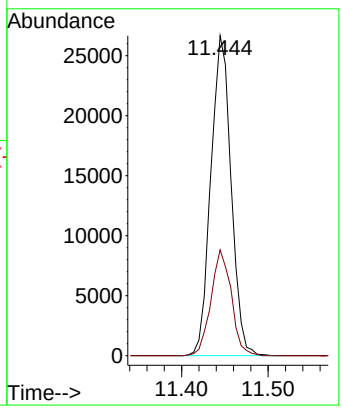




#65
Chlorobenzene
Concen: 5.434 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:112 Resp: 4332

Ion	Ratio	Lower	Upper
112	100		
114	33.0	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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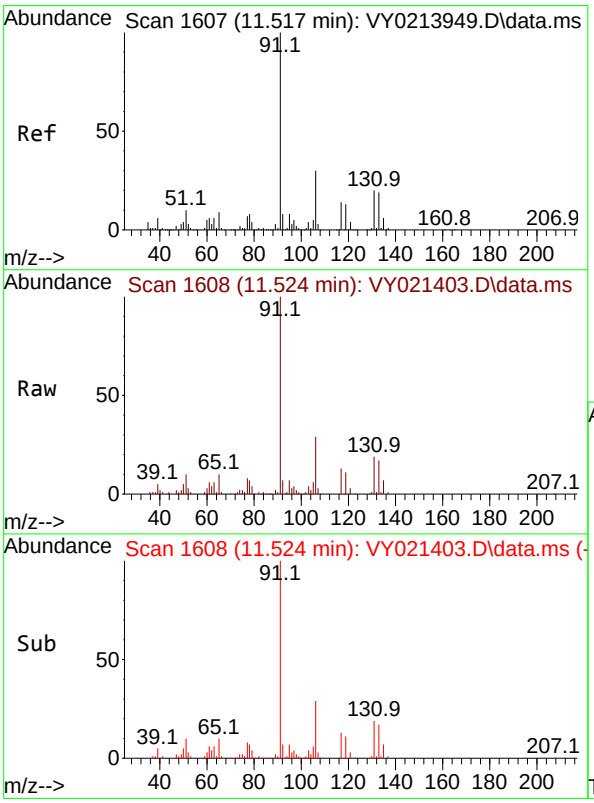
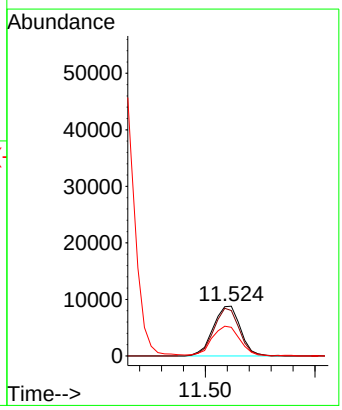
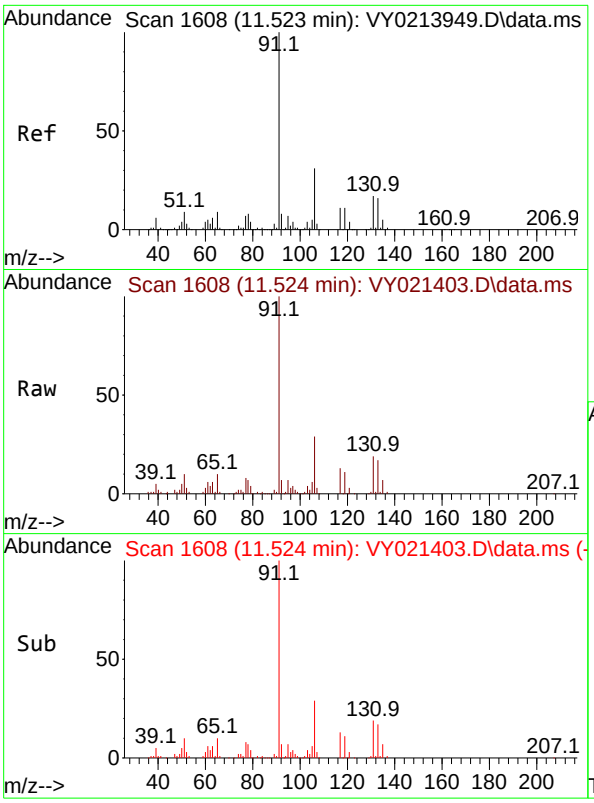


#66
1,1,1,2-Tetrachloroethane
Concen: 5.383 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:131 Resp: 15173

Ion	Ratio	Lower	Upper
131	100		
133	90.8	47.6	142.9
119	61.8	32.3	96.9





#67
Ethyl Benzene
Concen: 5.102 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 91 Resp: 7139

Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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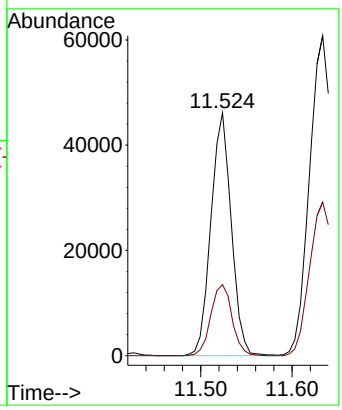
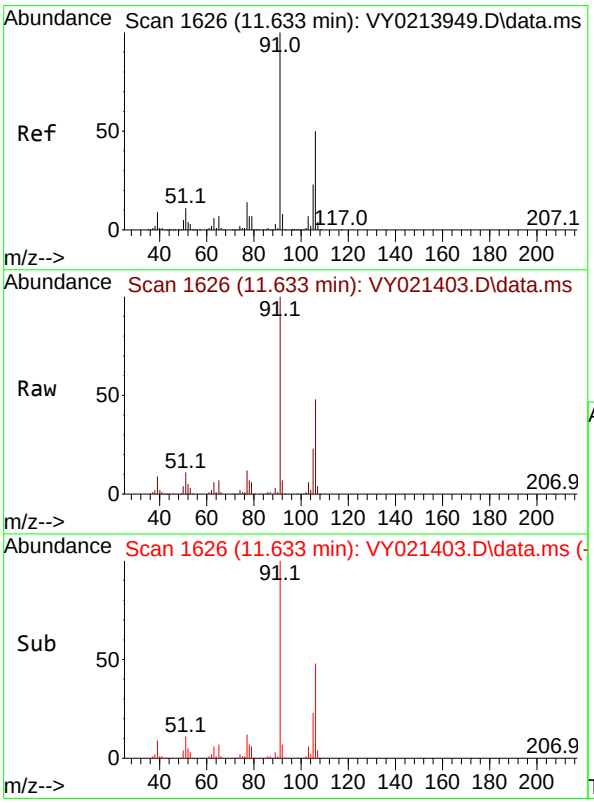
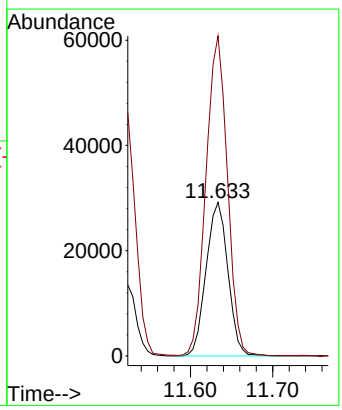


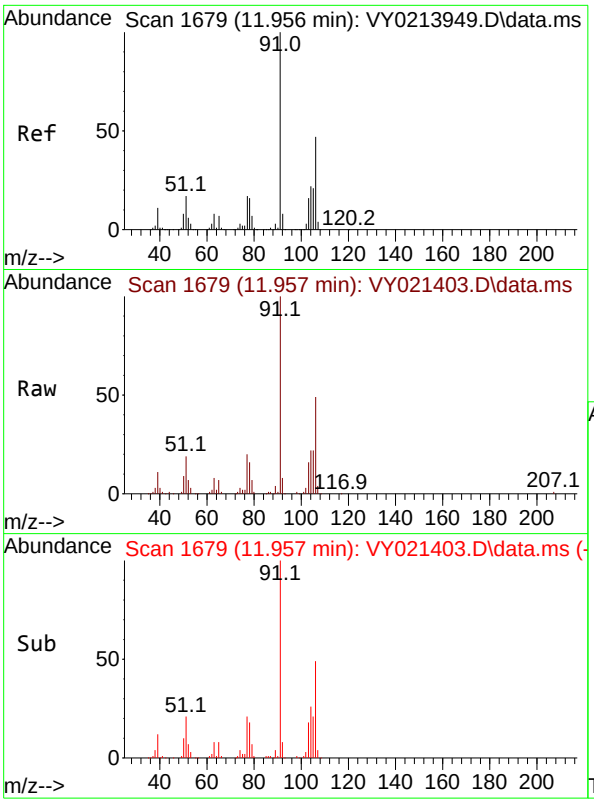


#68
m/p-Xylenes
Concen: 10.132 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:106 Resp: 53829

Ion	Ratio	Lower	Upper
106	100		
91	203.9	161.7	242.5





#69
o-Xylene
Concen: 4.988 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:106 Resp: 2442

Ion	Ratio	Lower	Upper
106	100		
91	215.9	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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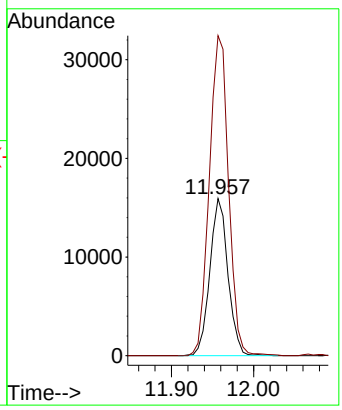
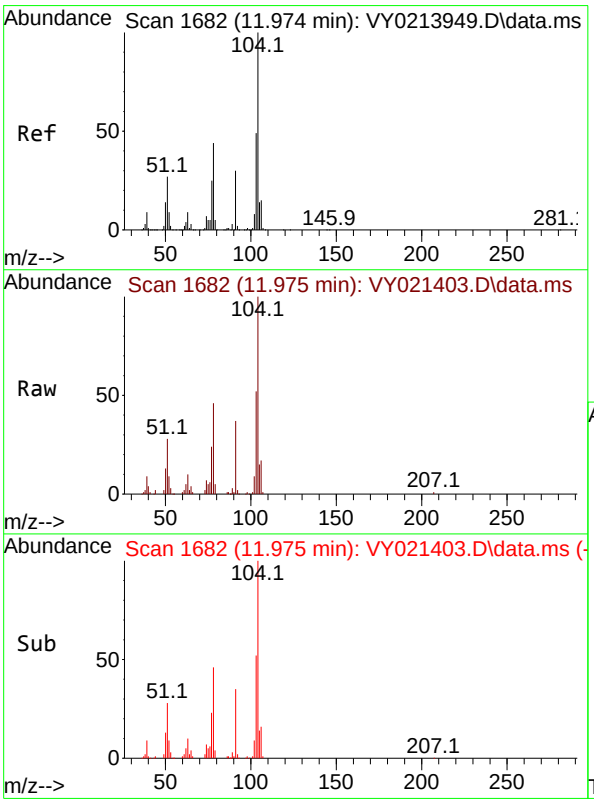
Supervised By :Semsettin Yesilyurt 03/06/2025

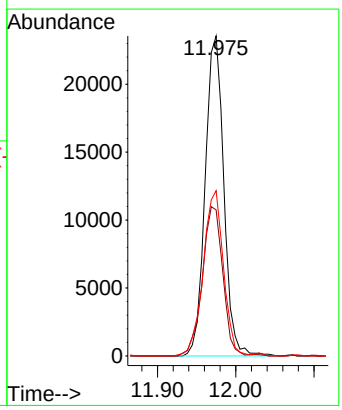


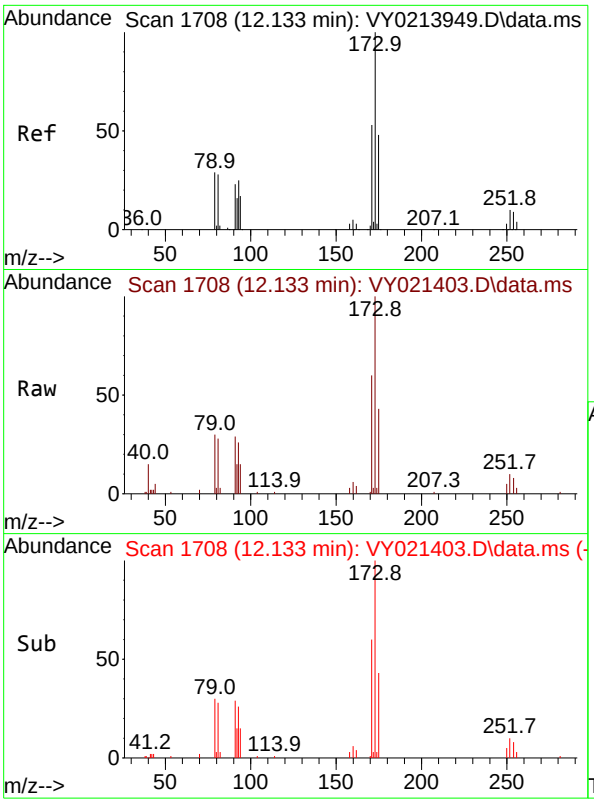


#70
Styrene
Concen: 4.784 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:104 Resp: 38858

Ion	Ratio	Lower	Upper
104	100		
78	51.0	40.7	61.1
103	56.3	44.1	66.1

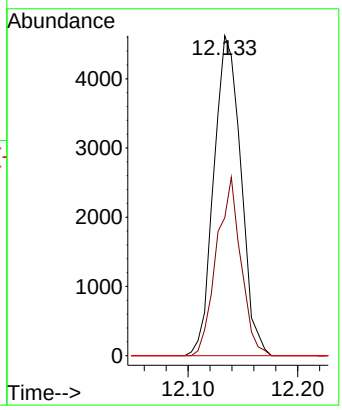




#71
Bromoform
Concen: 5.035 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:173 Resp: 793

Ion	Ratio	Lower	Upper
173	100		
175	50.2	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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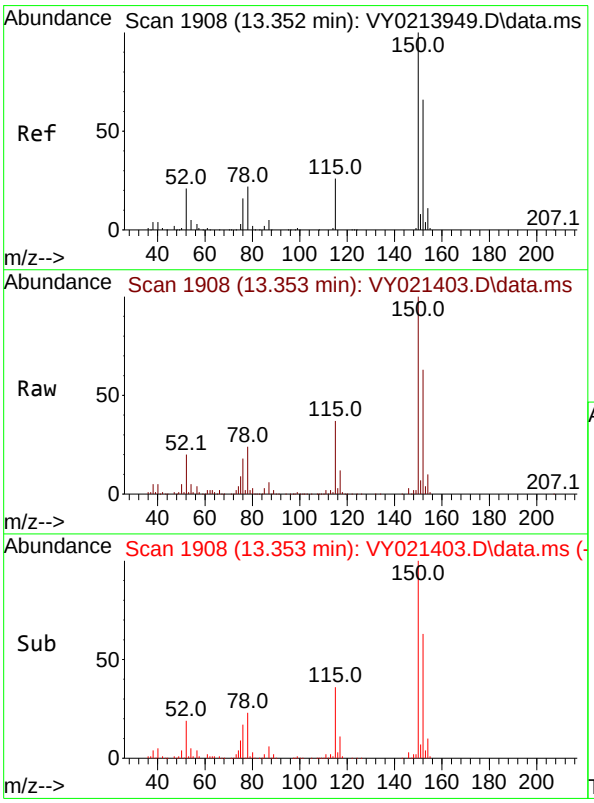
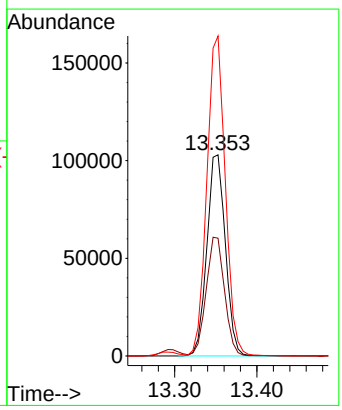
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

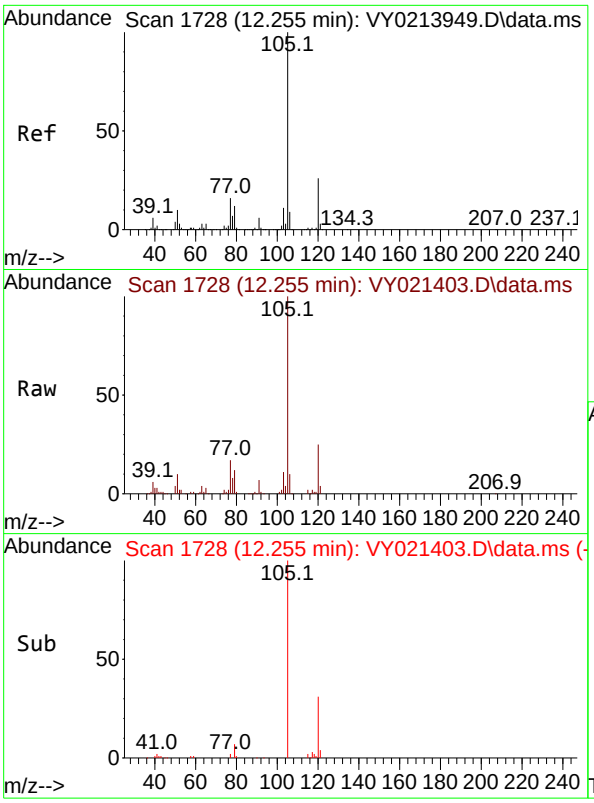


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:152 Resp: 161080

Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.0	87.0
150	158.3	0.0	347.2





#73
Isopropylbenzene
Concen: 5.049 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:105 Resp: 6406

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.1	39.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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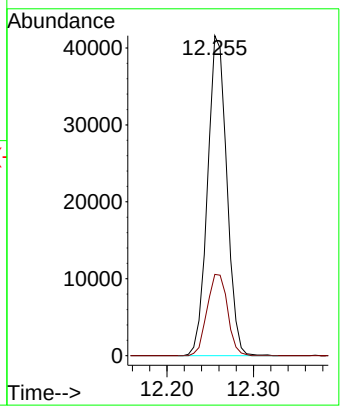
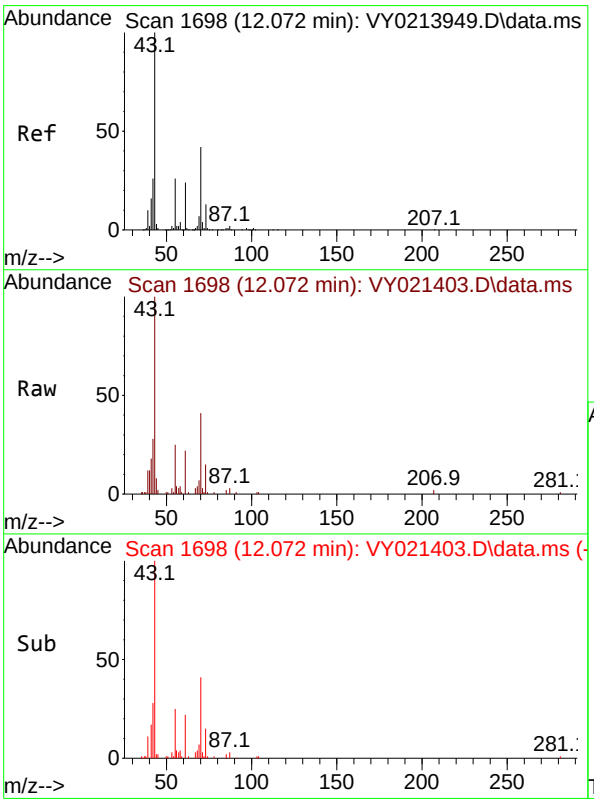
Supervised By :Semsettin Yesilyurt 03/06/2025

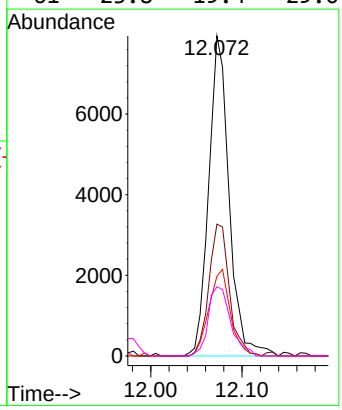


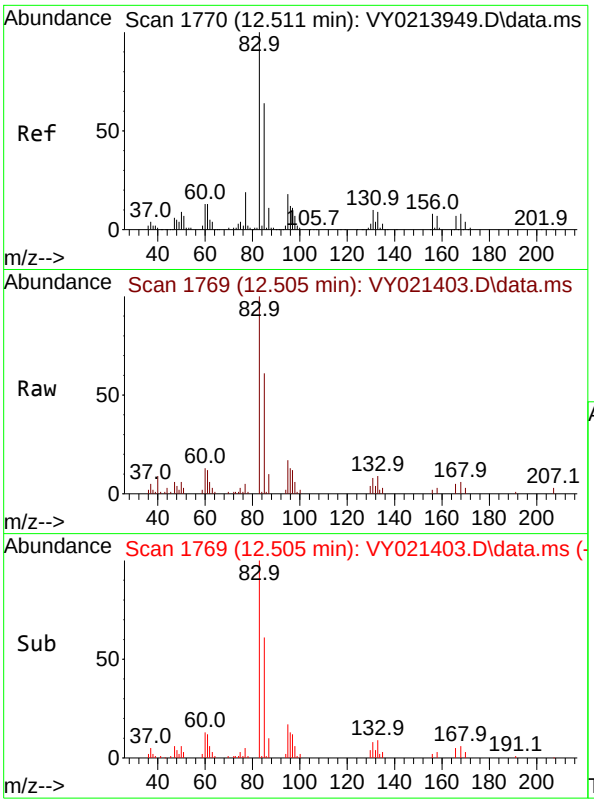


#74
N-amyl acetate
Concen: 4.470 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 43 Resp: 12319

Ion	Ratio	Lower	Upper
43	100		
70	41.2	34.6	51.8
55	28.2	21.1	31.7
61	23.8	19.4	29.0

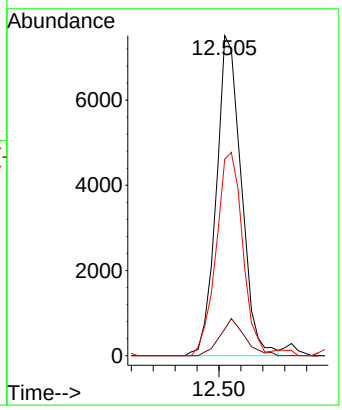




#75
1,1,2,2-Tetrachloroethane
Concen: 5.299 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 83 Resp: 1186

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.3	16.1
85	67.7	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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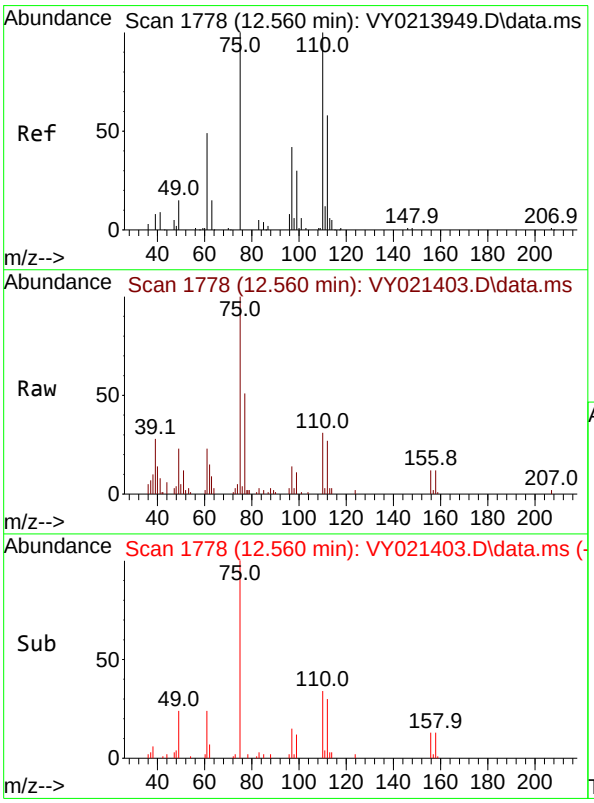
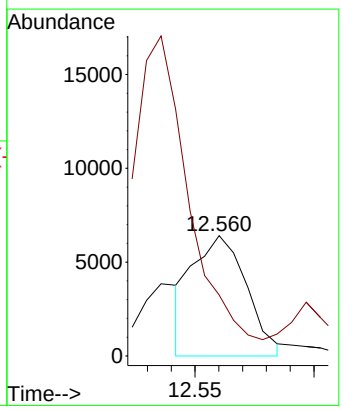
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

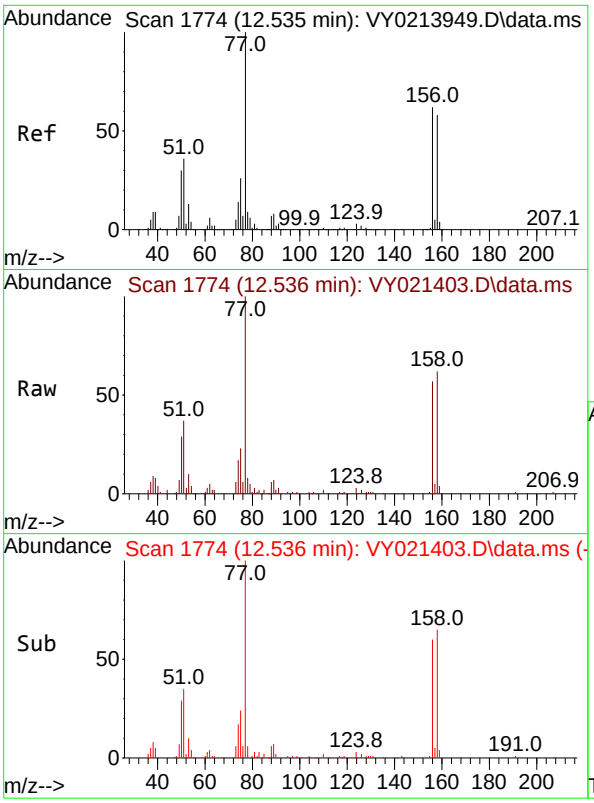


#76
1,2,3-Trichloropropane
Concen: 6.223 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 75 Resp: 10101

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 5.327 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:156 Resp: 1581

Ion	Ratio	Lower	Upper
156	100		
77	188.4	93.6	280.8
158	103.5	48.3	144.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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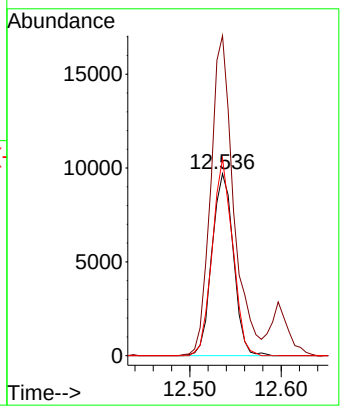
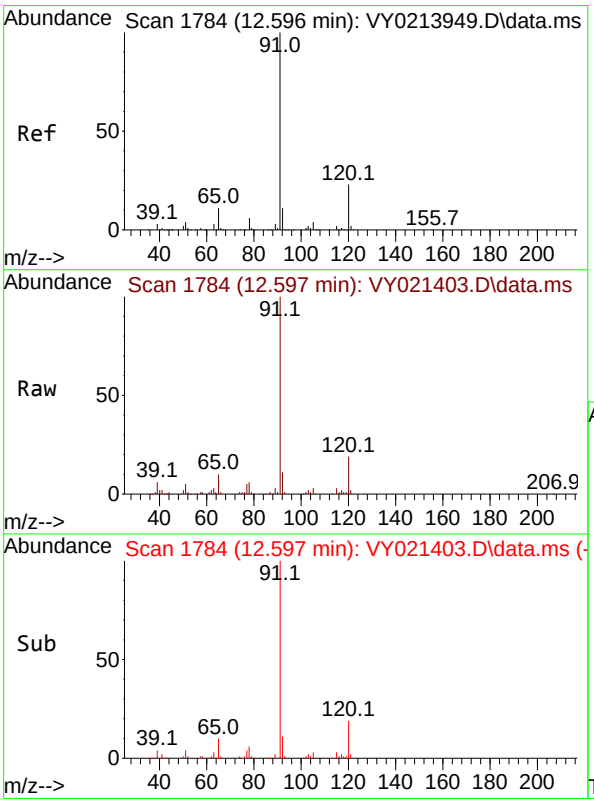
Supervised By :Semsettin Yesilyurt 03/06/2025

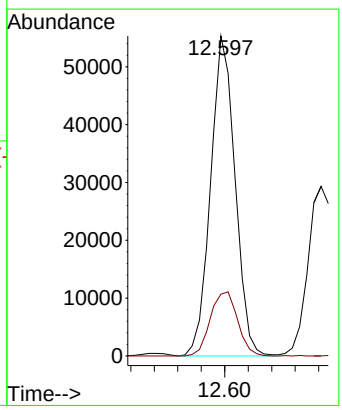


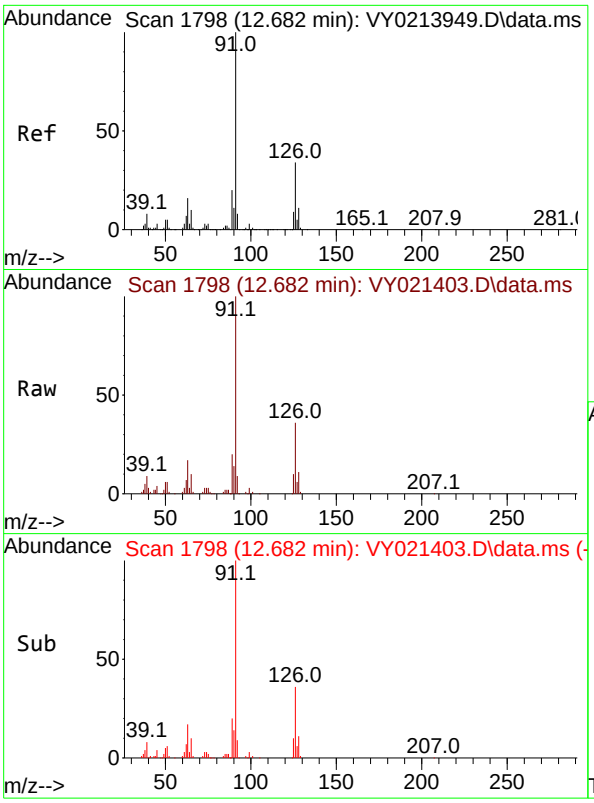


#78
n-propylbenzene
Concen: 5.205 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 91 Resp: 80203

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8





#79
2-Chlorotoluene
Concen: 5.341 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 91 Resp: 4706

Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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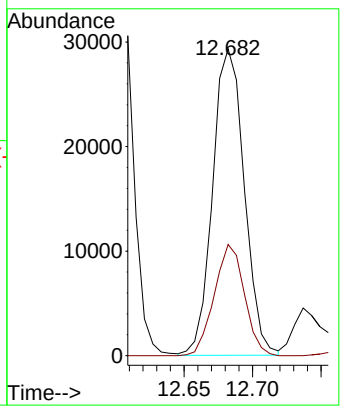
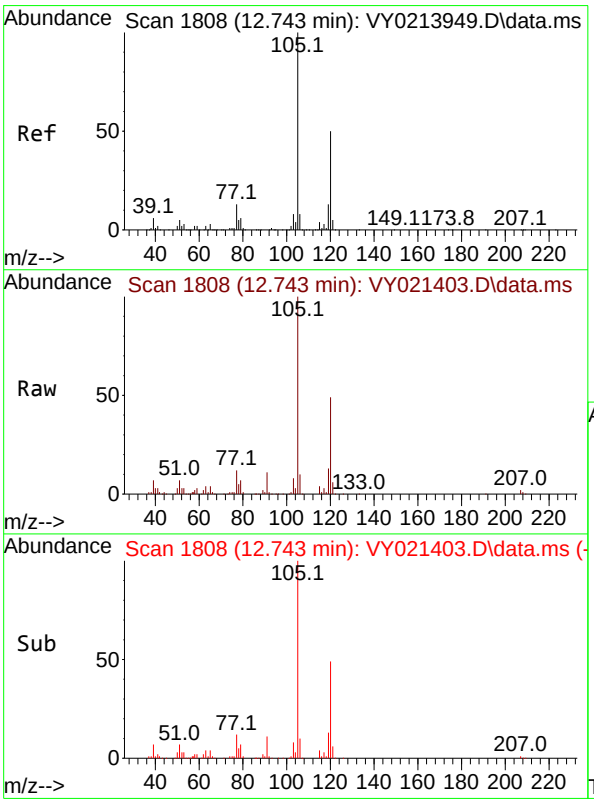
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

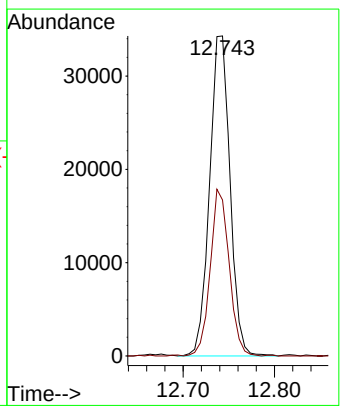


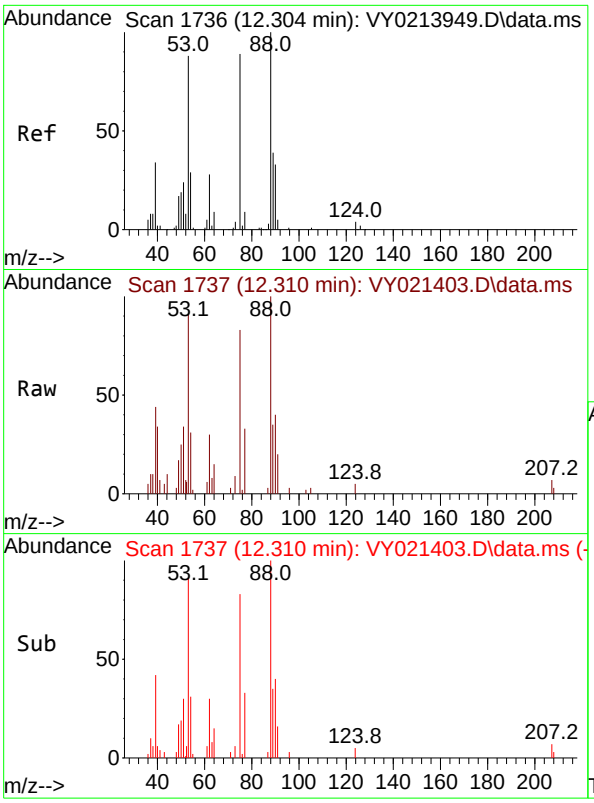


#80
1,3,5-Trimethylbenzene
Concen: 5.166 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:105 Resp: 53272

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 4.805 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 75 Resp: 343

Ion	Ratio	Lower	Upper
75	100		
53	112.3	81.0	121.4
89	46.5	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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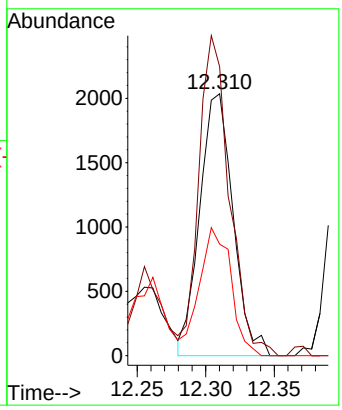
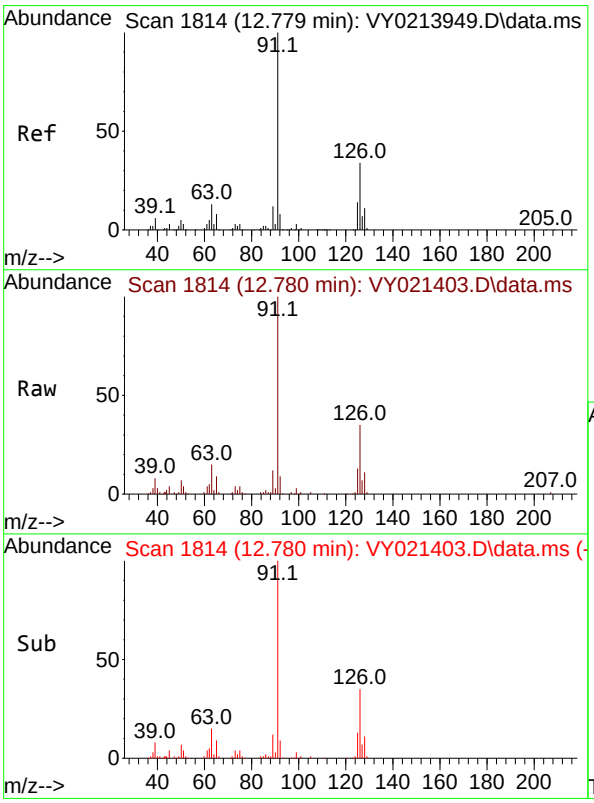
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

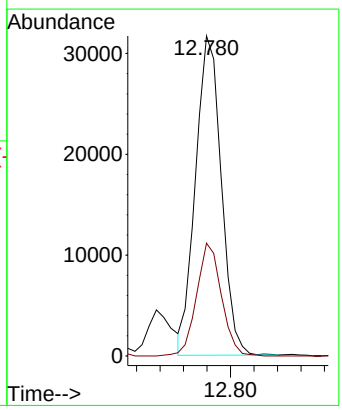


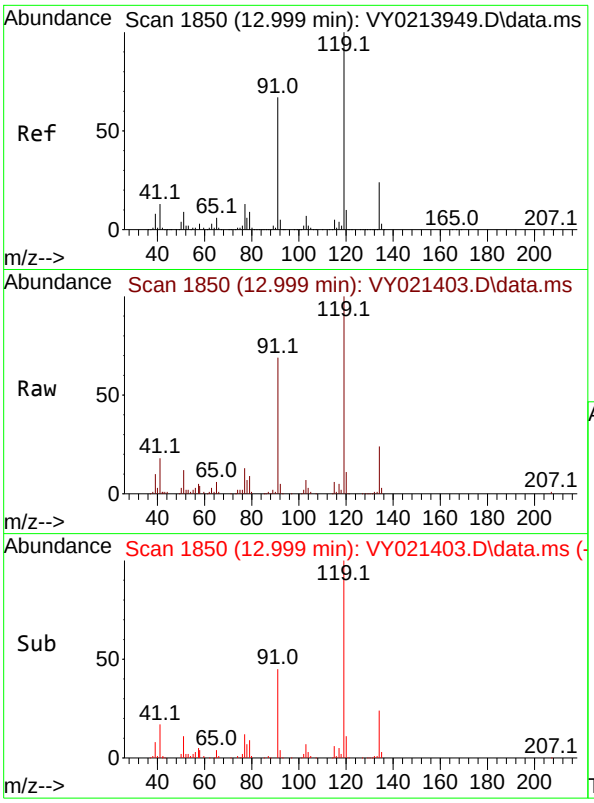


#82
4-Chlorotoluene
Concen: 5.280 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 91 Resp: 48178

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0





#83
tert-Butylbenzene
Concen: 5.060 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:119 Resp: 4655

Ion	Ratio	Lower	Upper
119	100		
91	67.1	33.2	99.6
134	25.8	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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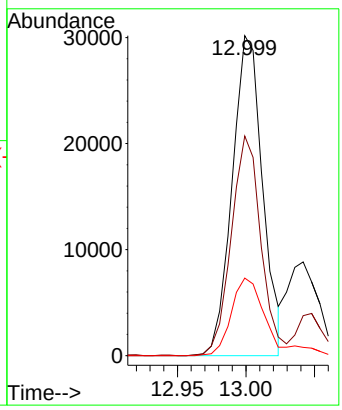
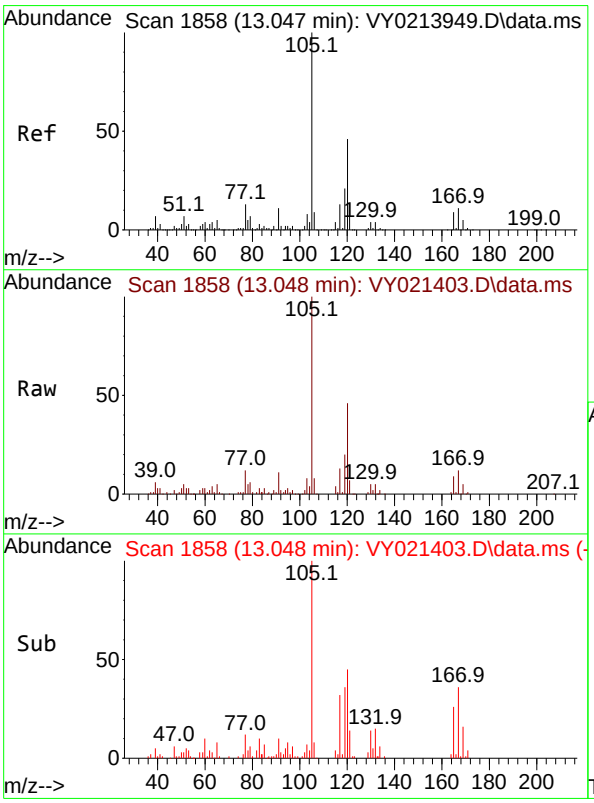
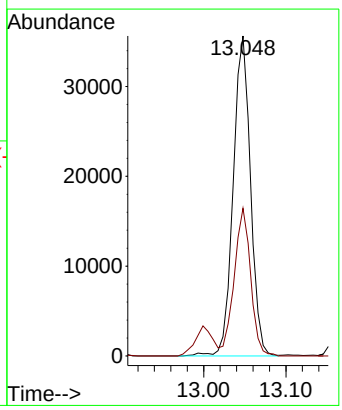


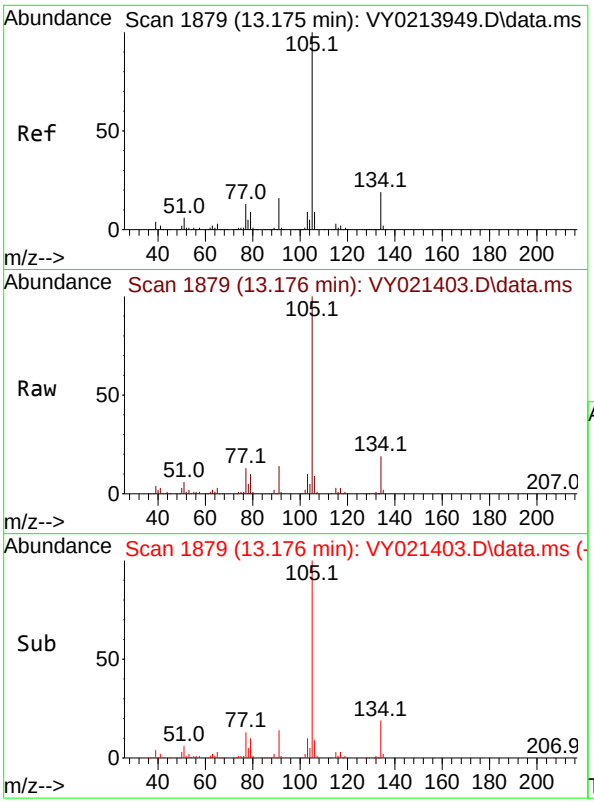


#84
1,2,4-Trimethylbenzene
Concen: 5.099 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:105 Resp: 52203

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.7	68.1





#85
sec-Butylbenzene
Concen: 5.246 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:105 Resp: 7179

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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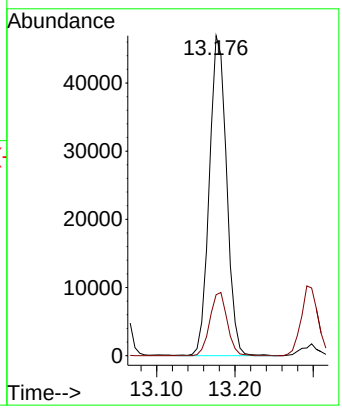
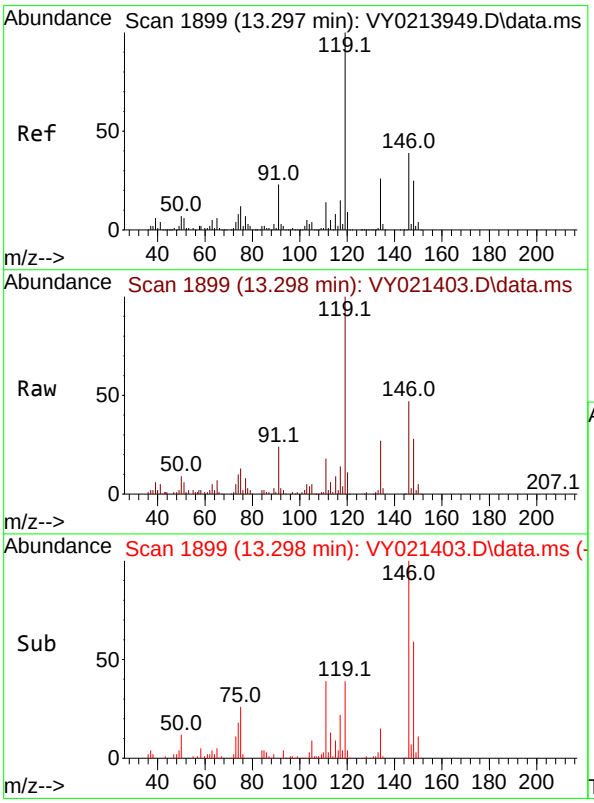
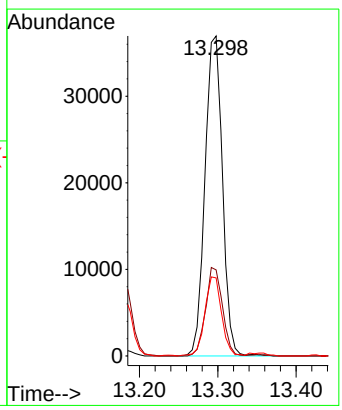


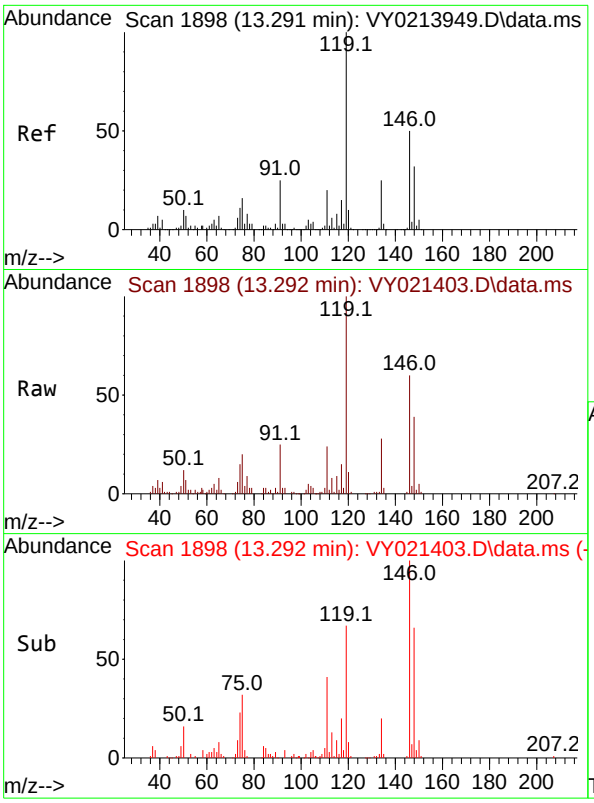


#86
p-Isopropyltoluene
Concen: 5.067 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:119 Resp: 57131

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.1	39.1
91	23.7	12.2	36.6





#87
1,3-Dichlorobenzene
Concen: 5.535 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

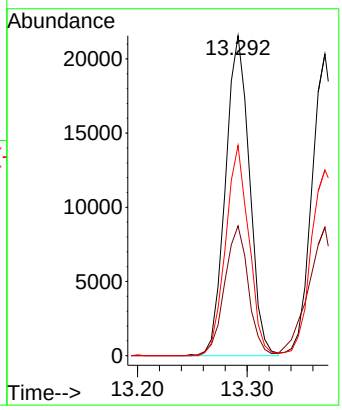
Tgt Ion:146 Resp: 3270

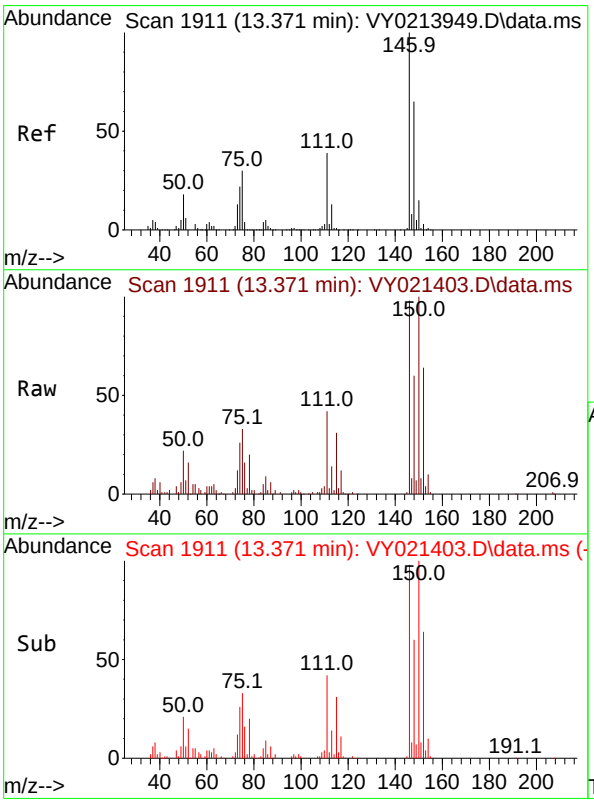
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.0	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

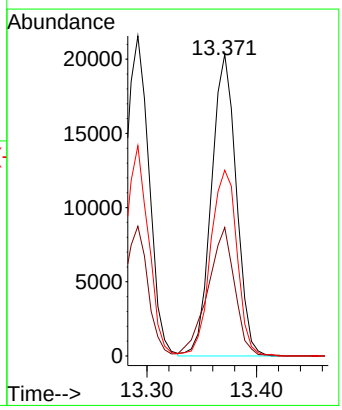


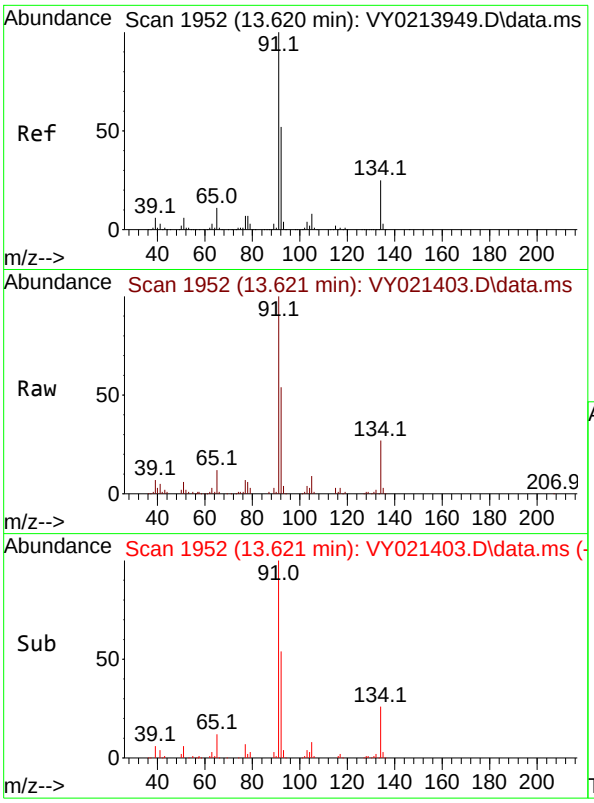


#88
1,4-Dichlorobenzene
Concen: 5.545 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:146 Resp: 32045

Ion	Ratio	Lower	Upper
146	100		
111	46.5	19.6	58.8
148	65.6	32.3	96.8

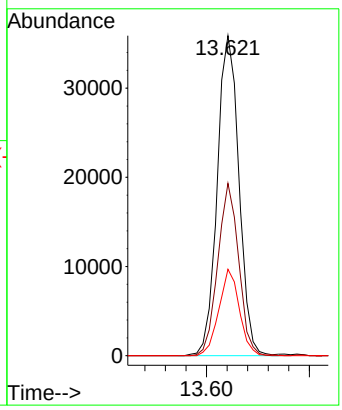




#89
n-Butylbenzene
Concen: 5.057 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 91 Resp: 5265

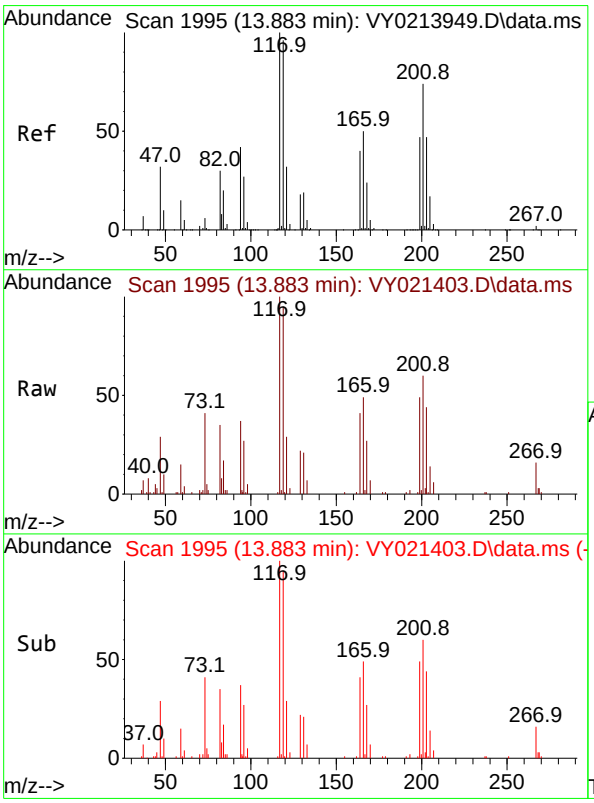
Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.3
134	25.5	12.6	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

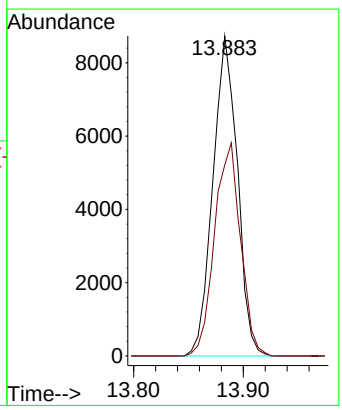
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

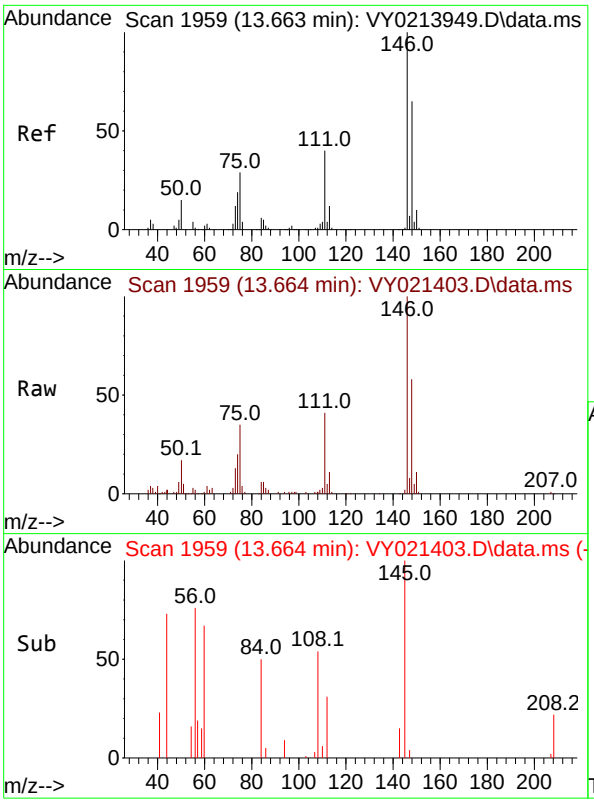


#90
Hexachloroethane
Concen: 5.628 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:117 Resp: 13537

Ion	Ratio	Lower	Upper
117	100		
201	70.8	37.4	112.2

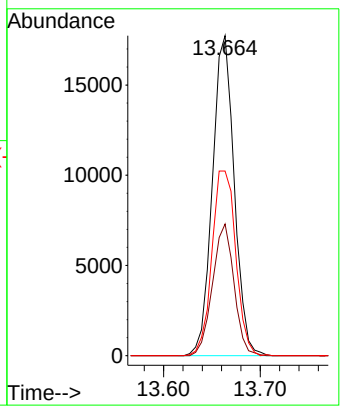




#91
1,2-Dichlorobenzene
Concen: 5.481 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:146 Resp: 2775

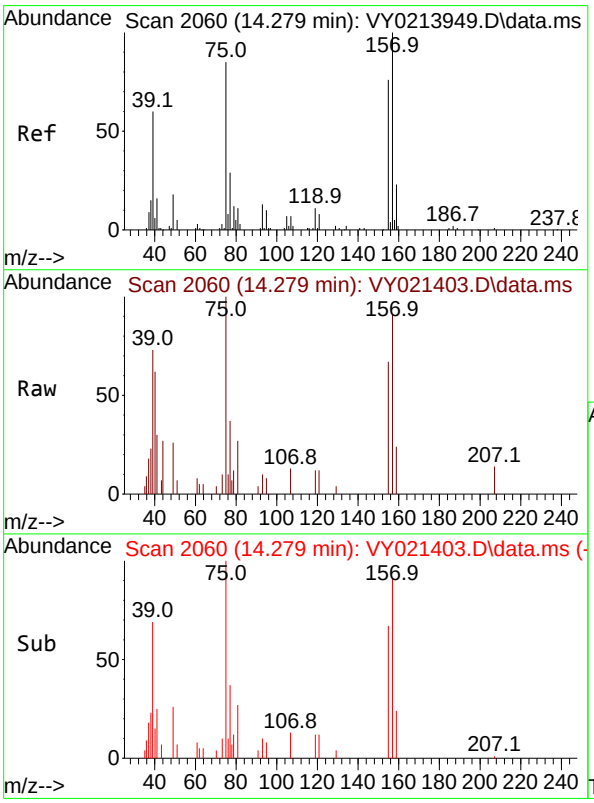
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.7	62.1
148	63.2	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

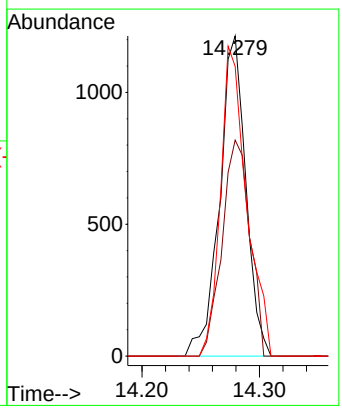
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

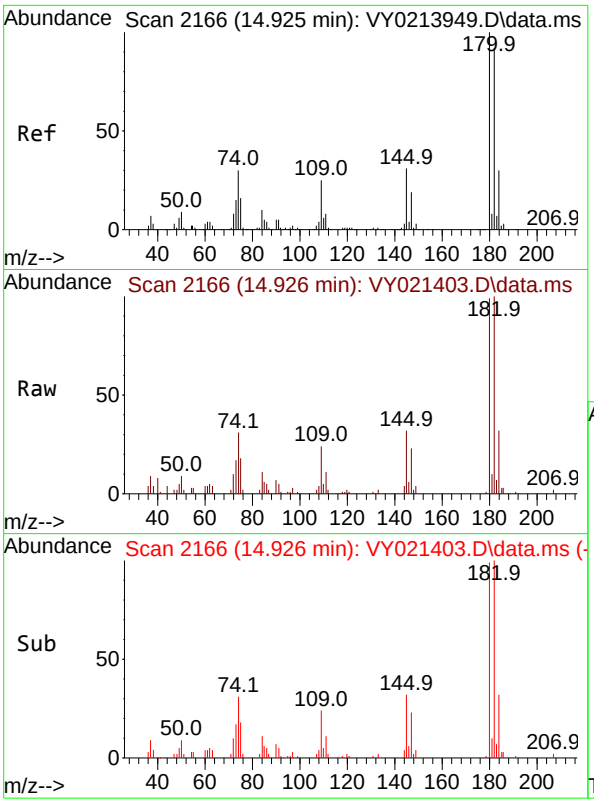


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.605 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion: 75 Resp: 1880

Ion	Ratio	Lower	Upper
75	100		
155	71.5	43.5	130.5
157	96.2	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 5.034 ug/l
RT: 14.926 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

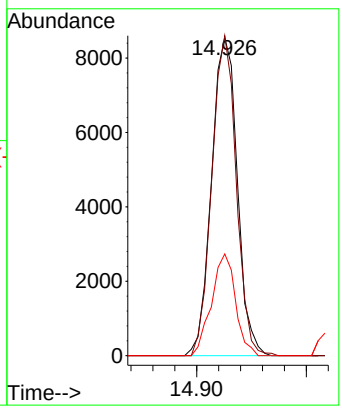
Tgt Ion:180 Resp: 1392

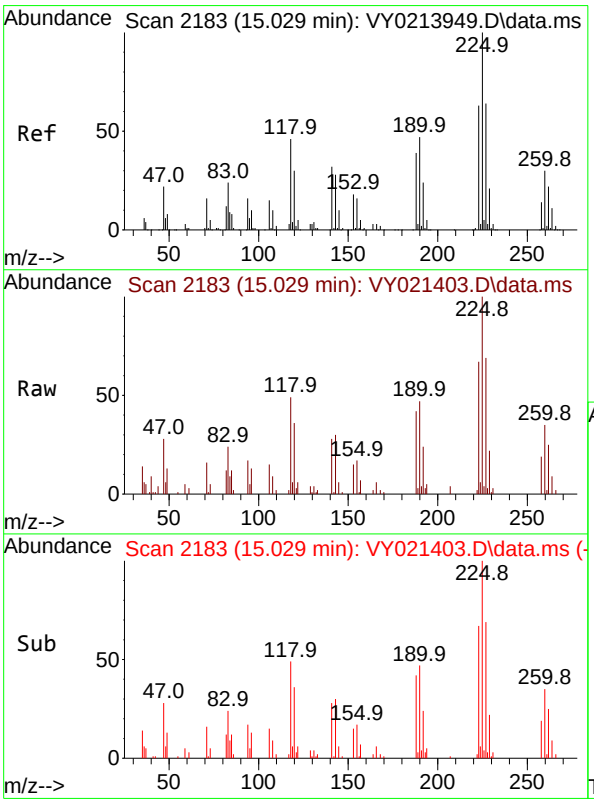
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.7	140.0
145	29.9	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

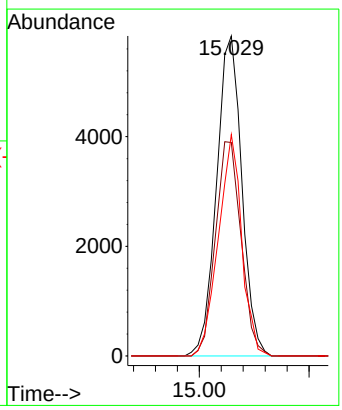


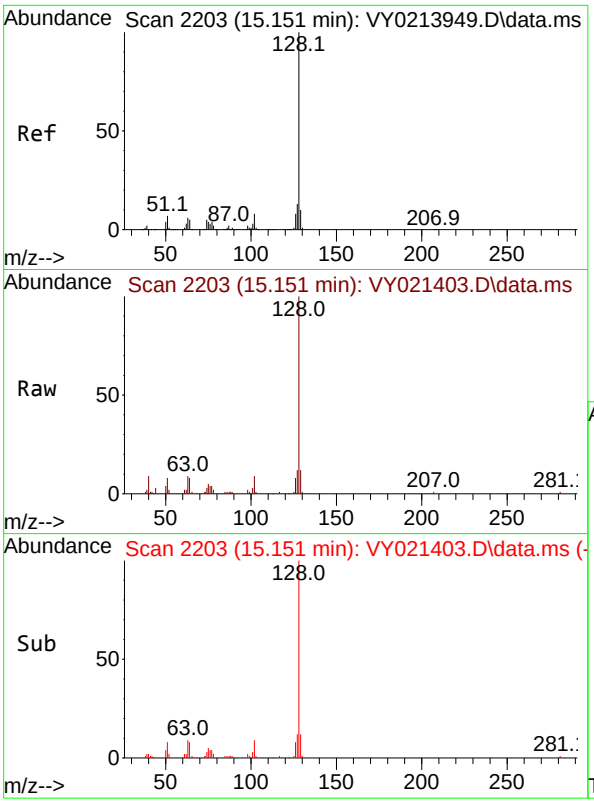


#94
Hexachlorobutadiene
Concen: 5.393 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:225 Resp: 9351

Ion	Ratio	Lower	Upper
225	100		
223	68.0	31.4	94.2
227	63.8	31.8	95.4

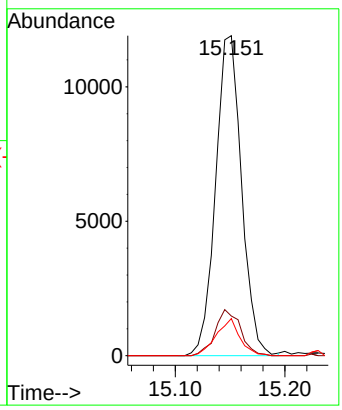




#95
Naphthalene
Concen: 5.892 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:128 Resp: 1955

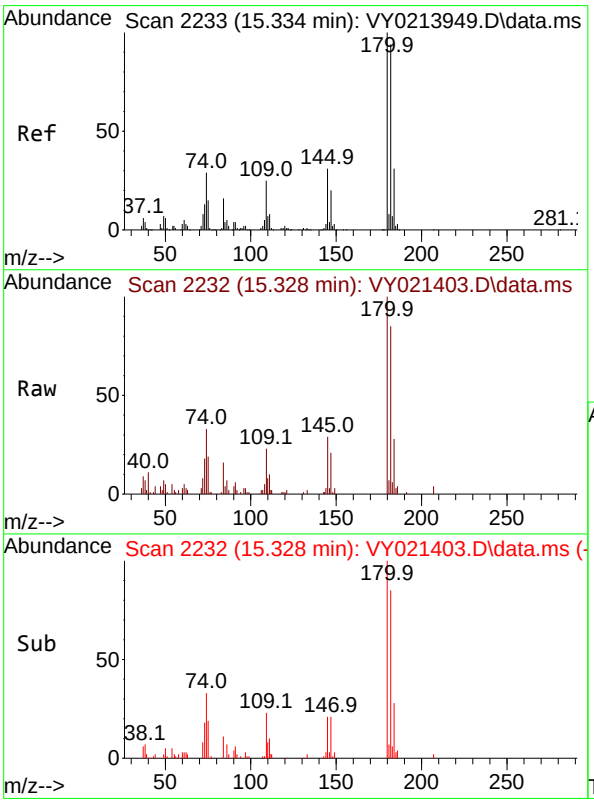
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	15.8
129	10.6	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

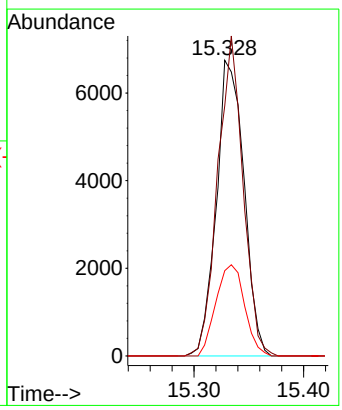
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 5.081 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021403.D
Acq: 04 Mar 2025 12:15

Tgt Ion:180 Resp: 11822

Ion	Ratio	Lower	Upper
180	100		
182	99.0	47.2	141.6
145	32.0	16.4	49.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	227337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	353570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	304943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	150512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	119727	49.828	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.660%			
35) Dibromofluoromethane	7.640	113	118281	50.894	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.780%			
50) Toluene-d8	10.115	98	468697	53.263	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.520%			
62) 4-Bromofluorobenzene	12.414	95	154333	51.560	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	98287	47.113	ug/l	99
3) Chloromethane	2.074	50	144341	49.075	ug/l	99
4) Vinyl Chloride	2.214	62	161453	50.231	ug/l	97
5) Bromomethane	2.605	94	107517	46.283	ug/l	100
6) Chloroethane	2.745	64	103894	48.912	ug/l	98
7) Trichlorofluoromethane	3.068	101	219880	49.011	ug/l	99
8) Diethyl Ether	3.464	74	56729	45.628	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	123311	48.142	ug/l	99
10) Methyl Iodide	4.013	142	125851	48.336	ug/l	99
11) Tert butyl alcohol	4.866	59	33542	211.206	ug/l	96
12) 1,1-Dichloroethene	3.800	96	115418	49.424	ug/l	97
13) Acrolein	3.659	56	5504	45.035	ug/l	89
14) Allyl chloride	4.397	41	190579	50.500	ug/l	99
15) Acrylonitrile	5.068	53	115490	218.213	ug/l	99
16) Acetone	3.873	43	126338	241.068	ug/l	94
17) Carbon Disulfide	4.117	76	369324	50.464	ug/l	99
18) Methyl Acetate	4.391	43	51747	44.501	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	267823	45.249	ug/l	100
20) Methylene Chloride	4.623	84	120803	43.913	ug/l	99
21) trans-1,2-Dichloroethene	5.129	96	125702	48.065	ug/l	99
22) Diisopropyl ether	6.031	45	393029	48.325	ug/l	96
23) Vinyl Acetate	5.970	43	1084996	233.756	ug/l	99
24) 1,1-Dichloroethane	5.927	63	231573	48.243	ug/l	99
25) 2-Butanone	6.903	43	161045	222.145	ug/l	99
26) 2,2-Dichloropropane	6.896	77	214717	48.615	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	144113	48.506	ug/l	100
28) Bromochloromethane	7.256	49	113096	56.200	ug/l	98
29) Tetrahydrofuran	7.268	42	95855	214.177	ug/l	99
30) Chloroform	7.427	83	238047	47.758	ug/l	95
31) Cyclohexane	7.707	56	214745	47.720	ug/l	99
32) 1,1,1-Trichloroethane	7.628	97	222274	48.703	ug/l	100
36) 1,1-Dichloropropene	7.841	75	177770	48.866	ug/l	99
37) Ethyl Acetate	6.994	43	69266	43.078	ug/l	99
38) Carbon Tetrachloride	7.823	117	204174	48.800	ug/l	98
39) Methylcyclohexane	9.116	83	230810	51.724	ug/l	98
40) Benzene	8.085	78	520202	48.542	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.250	41	45456m	51.920	ug/l		
42) 1,2-Dichloroethane	8.165	62	136088	45.393	ug/l		99
43) Isopropyl Acetate	8.201	43	134330	43.036	ug/l		99
44) Trichloroethene	8.872	130	130855	48.321	ug/l		99
45) 1,2-Dichloropropane	9.146	63	120606	47.287	ug/l		98
46) Dibromomethane	9.238	93	64447	45.413	ug/l		99
47) Bromodichloromethane	9.433	83	176210	46.755	ug/l		99
48) Methyl methacrylate	9.225	41	65433	45.652	ug/l		98
49) 1,4-Dioxane	9.238	88	12183	874.634	ug/l		97
51) 4-Methyl-2-Pentanone	10.006	43	349128	216.781	ug/l		100
52) Toluene	10.176	92	334342	49.486	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	157093	47.312	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	190151	48.236	ug/l		100
55) 1,1,2-Trichloroethane	10.579	97	83139	44.786	ug/l		98
56) Ethyl methacrylate	10.445	69	109629	46.305	ug/l		98
57) 1,3-Dichloropropane	10.725	76	148349	46.108	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	270898	247.869	ug/l		99
59) 2-Hexanone	10.768	43	238913	224.350	ug/l		100
60) Dibromochloromethane	10.914	129	117776	46.278	ug/l		99
61) 1,2-Dibromoethane	11.024	107	80473	45.932	ug/l		98
64) Tetrachloroethene	10.652	164	122018	49.207	ug/l		98
65) Chlorobenzene	11.451	112	350050	48.611	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.524	131	122471	48.104	ug/l		99
67) Ethyl Benzene	11.524	91	641534	50.757	ug/l		100
68) m/p-Xylenes	11.633	106	483835	100.830	ug/l		98
69) o-Xylene	11.963	106	225974	51.096	ug/l		99
70) Styrene	11.975	104	369770	50.400	ug/l		100
71) Bromoform	12.139	173	65305	45.886	ug/l	#	100
73) Isopropylbenzene	12.261	105	618726	52.186	ug/l		100
74) N-amyl acetate	12.079	43	117390	45.591	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	92237	44.086	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	68229m	44.986	ug/l		
77) Bromobenzene	12.536	156	133678	48.194	ug/l		99
78) n-propylbenzene	12.603	91	752110	52.233	ug/l		100
79) 2-Chlorotoluene	12.688	91	415988	50.525	ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	502113	52.113	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	30408	45.578	ug/l		98
82) 4-Chlorotoluene	12.786	91	427326	50.122	ug/l		100
83) tert-Butylbenzene	13.005	119	456314	53.088	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	492767	51.510	ug/l		100
85) sec-Butylbenzene	13.182	105	676621	52.908	ug/l		100
86) p-Isopropyltoluene	13.298	119	553730	52.556	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	269044	48.728	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	260977	48.331	ug/l		99
89) n-Butylbenzene	13.621	91	521532	53.606	ug/l		99
90) Hexachloroethane	13.889	117	112571	50.084	ug/l		99
91) 1,2-Dichlorobenzene	13.664	146	227078	47.985	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	13368	42.654	ug/l		97
93) 1,2,4-Trichlorobenzene	14.926	180	127655	49.388	ug/l		98
94) Hexachlorobutadiene	15.029	225	84554	52.186	ug/l		98
95) Naphthalene	15.151	128	196345	45.480	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	105737	48.639	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

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

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

ICAL Form

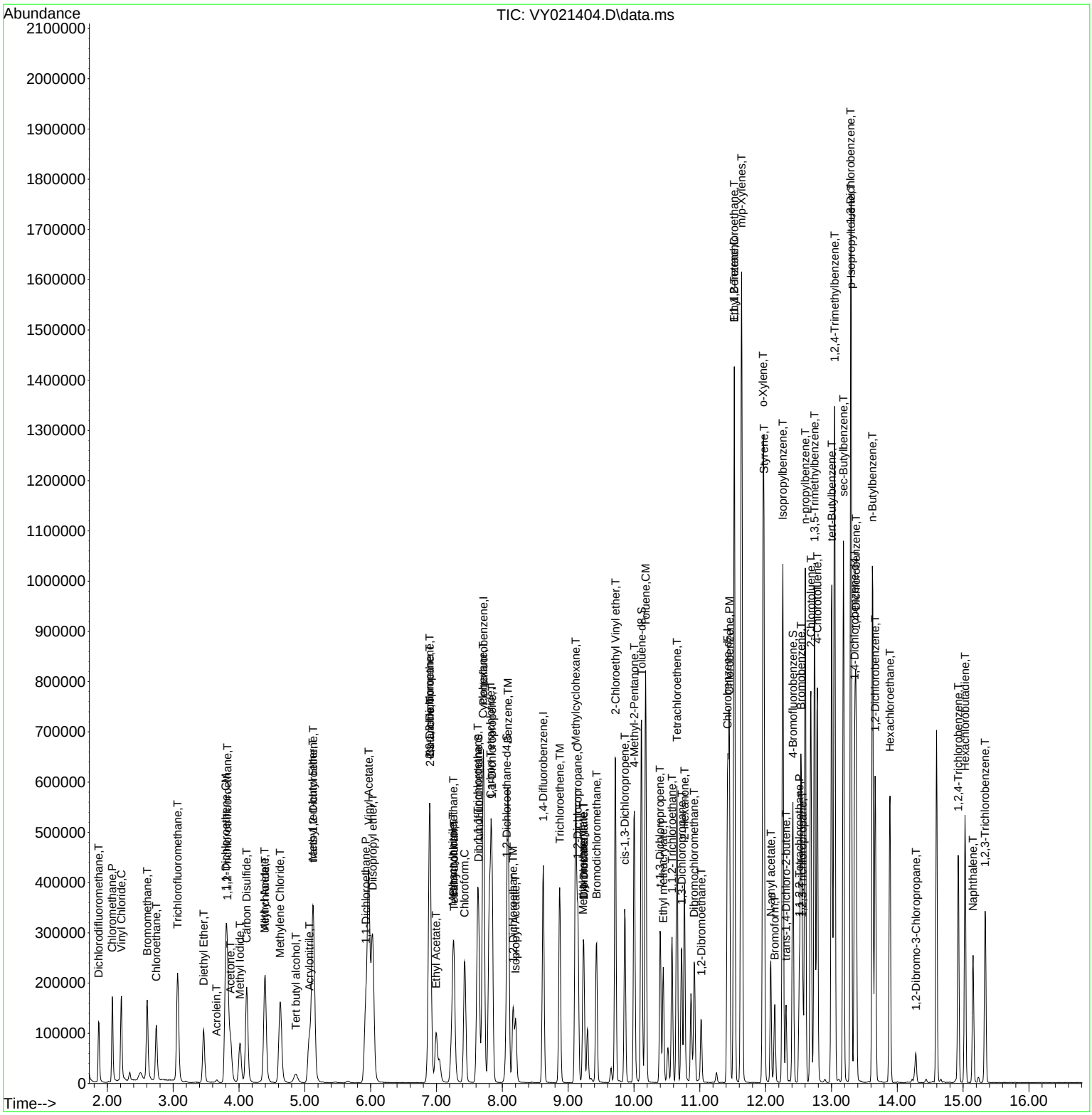
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

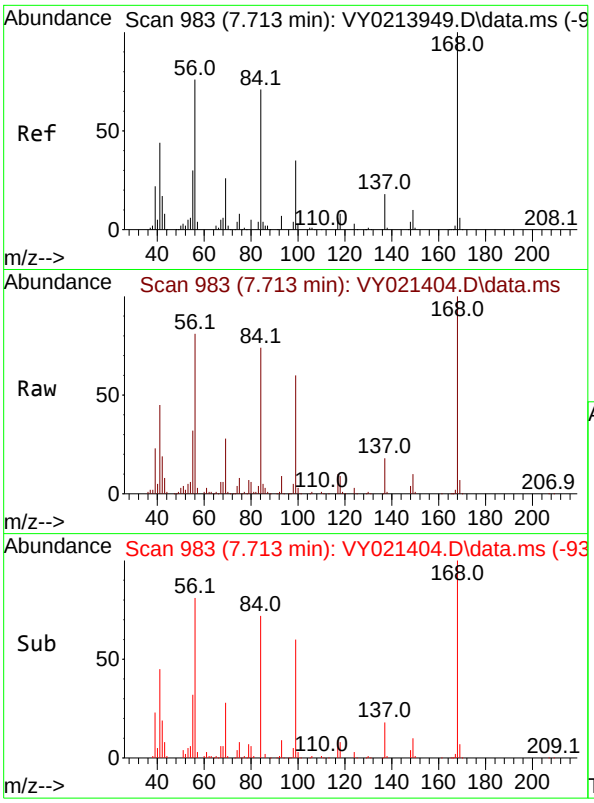
Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

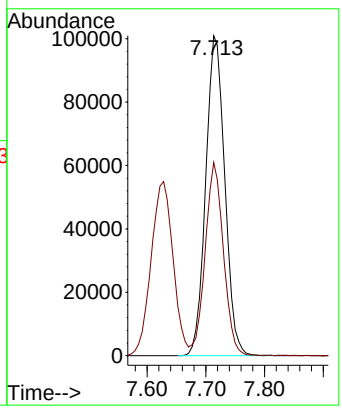




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:168 Resp: 22733

Ion	Ratio	Lower	Upper
168	100		
99	60.2	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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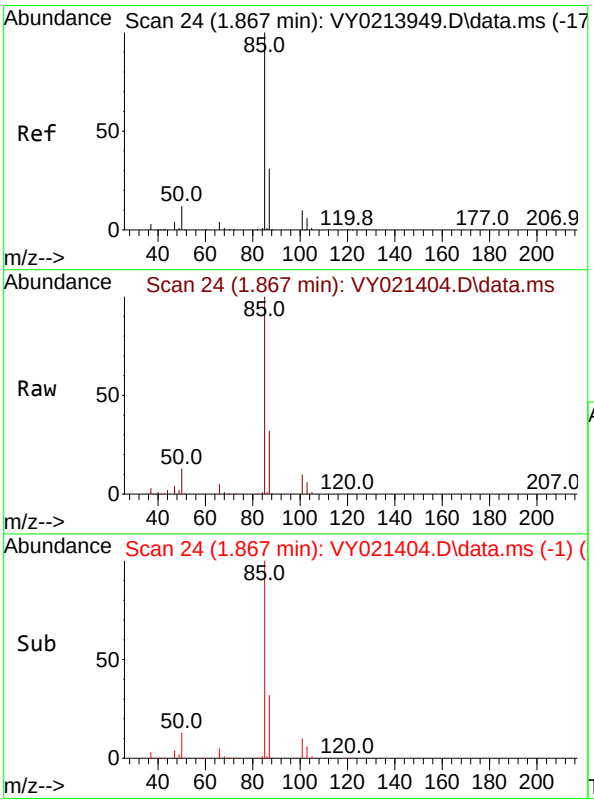
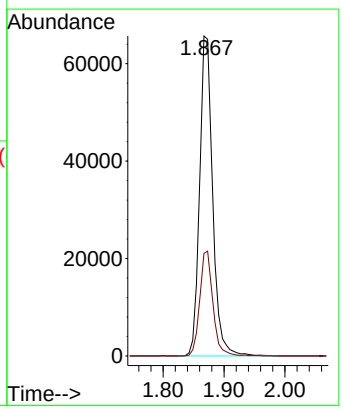
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

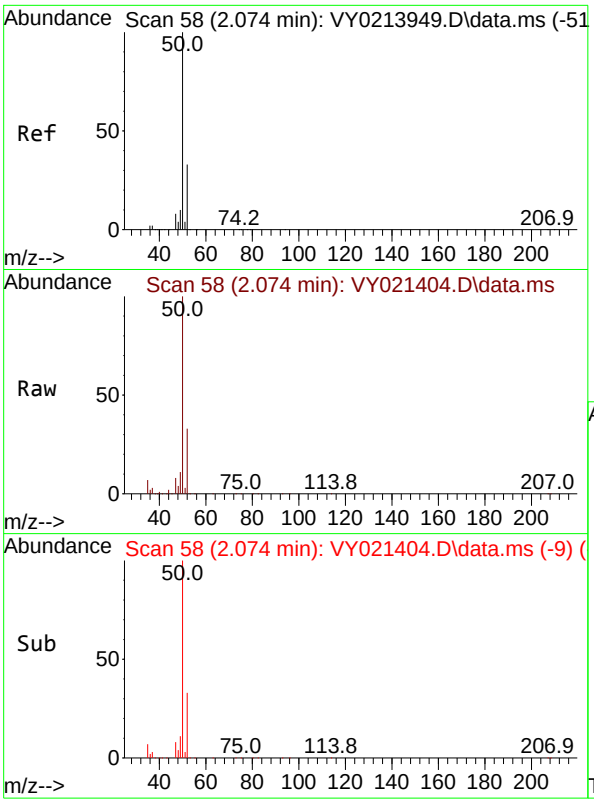


#2
Dichlorodifluoromethane
Concen: 47.113 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 85 Resp: 98287

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.7	47.0

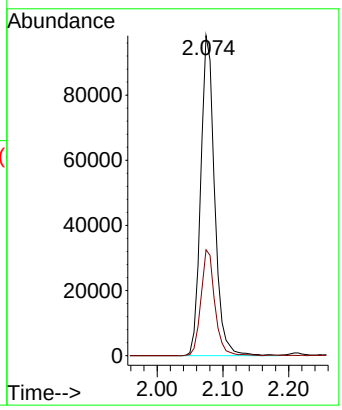




#3
Chloromethane
Concen: 49.075 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 50 Resp: 14434

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.2	39.2



Instrument :
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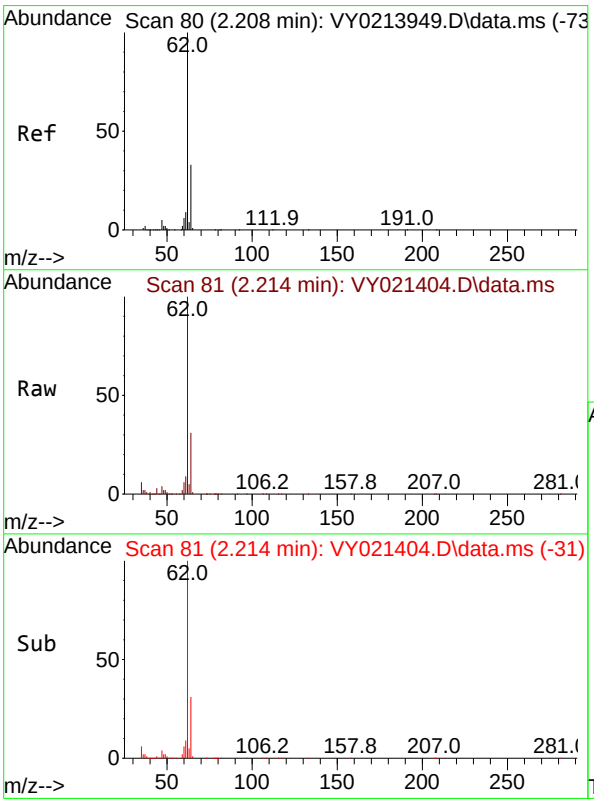
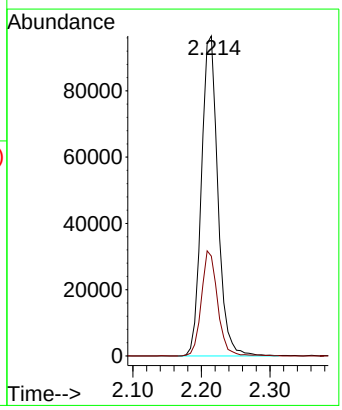
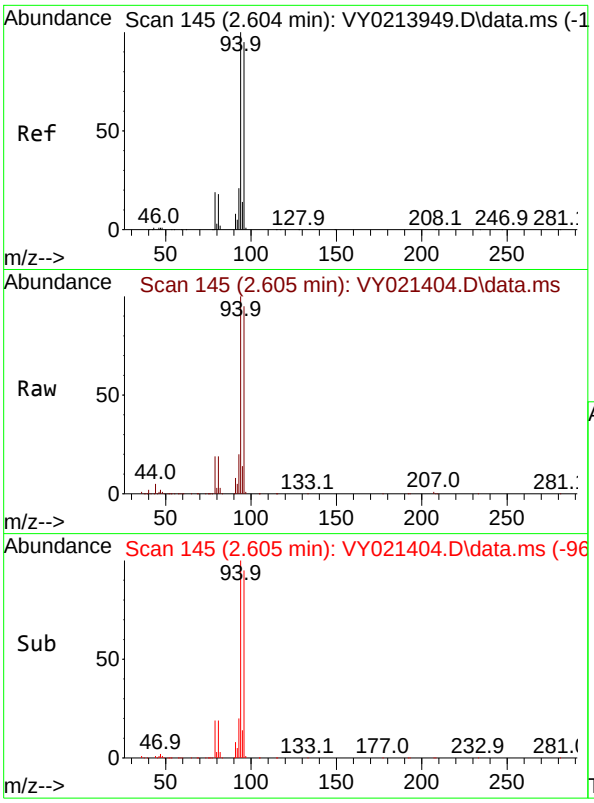


#4
Vinyl Chloride
Concen: 50.231 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 62 Resp: 161453

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.2	39.2





#5
Bromomethane
Concen: 46.283 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 94 Resp: 10751

Ion	Ratio	Lower	Upper
94	100		
96	95.1	76.3	114.5

Instrument :
MSVOA_Y
ClientSampleId :
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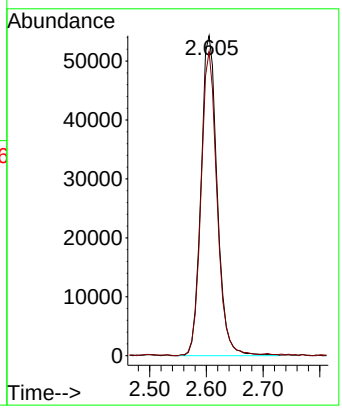
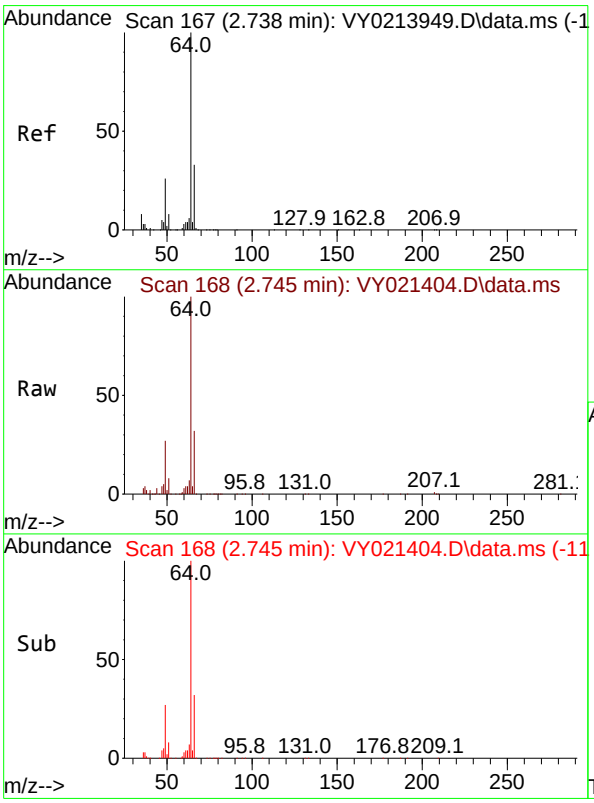
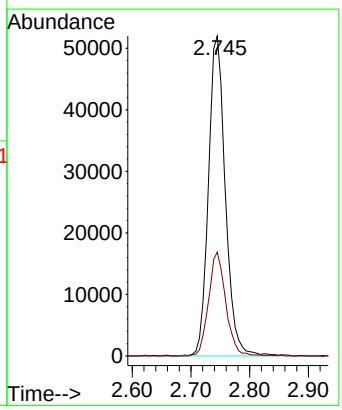


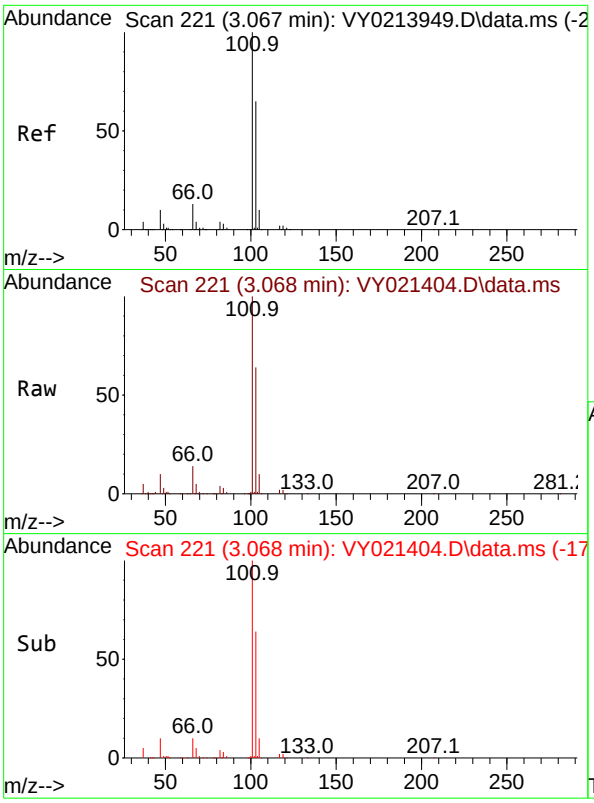


#6
Chloroethane
Concen: 48.912 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 64 Resp: 103894

Ion	Ratio	Lower	Upper
64	100		
66	32.4	26.7	40.1

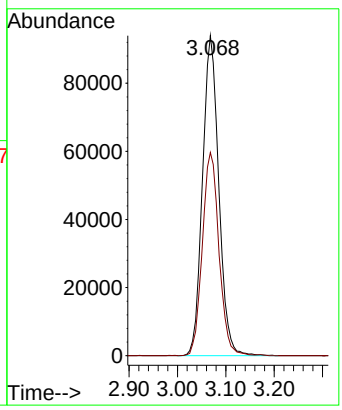




#7
Trichlorofluoromethane
Concen: 49.011 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:101 Resp: 21988

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
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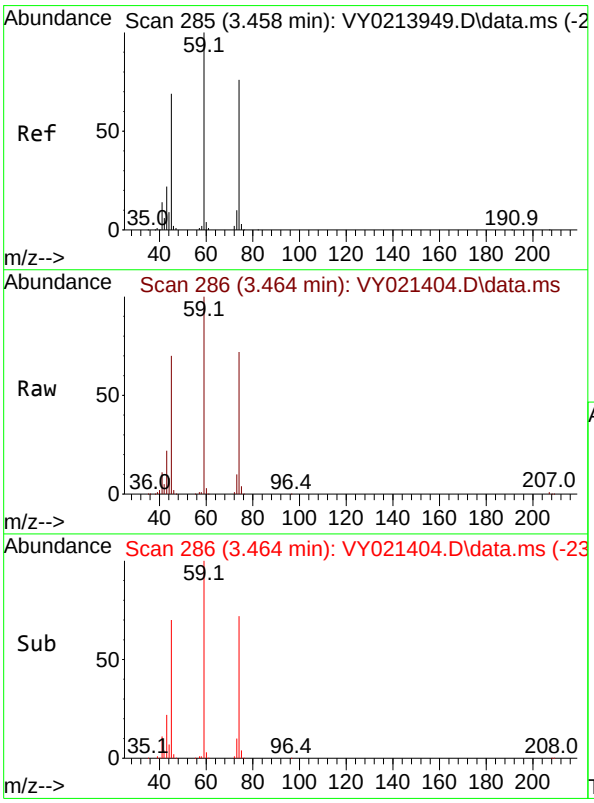
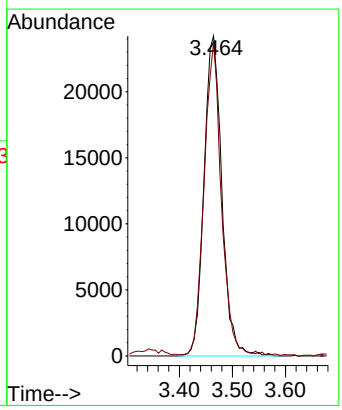
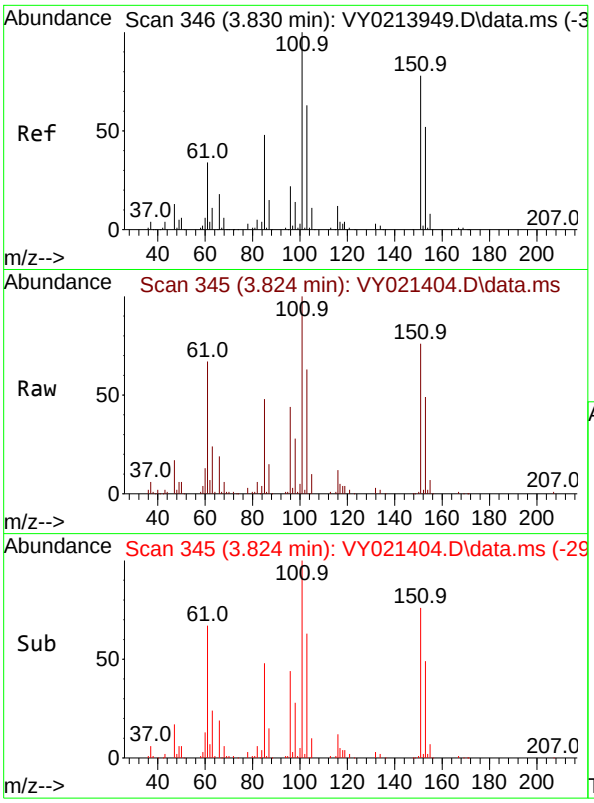


#8
Diethyl Ether
Concen: 45.628 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 74 Resp: 56729

Ion	Ratio	Lower	Upper
74	100		
45	93.0	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.142 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:101 Resp: 12331

Ion	Ratio	Lower	Upper
101	100		
85	47.0	37.1	55.7
151	76.2	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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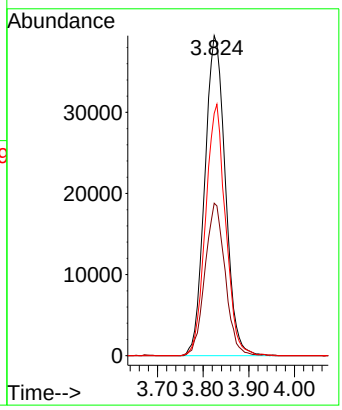
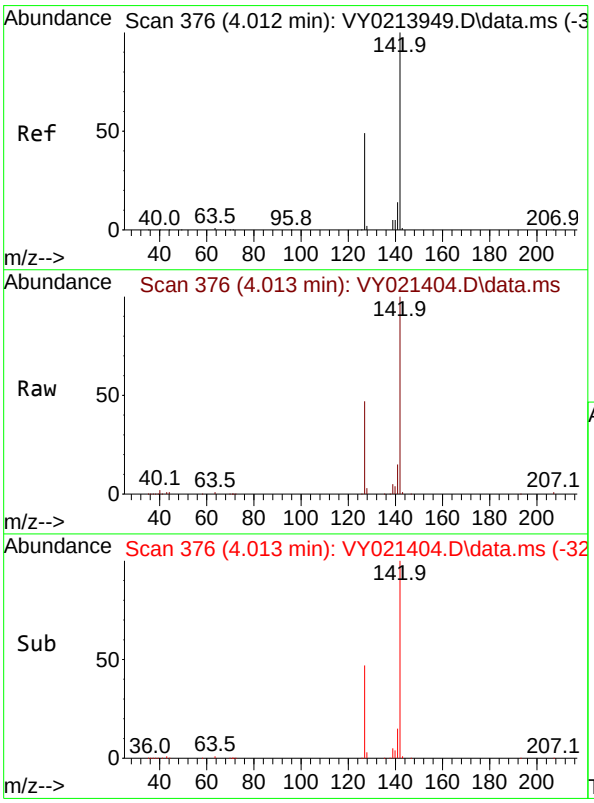
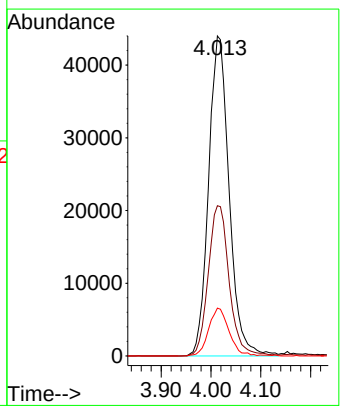


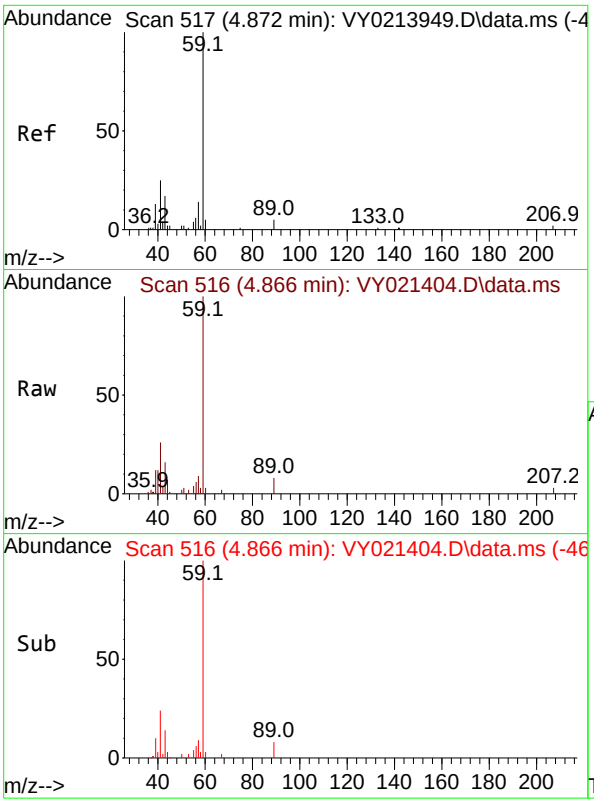


#10
Methyl Iodide
Concen: 48.336 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:142 Resp: 125851

Ion	Ratio	Lower	Upper
142	100		
127	48.0	39.1	58.7
141	14.9	11.8	17.6





#11
Tert butyl alcohol
Concen: 211.206 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 59 Resp: 3354

Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.2	12.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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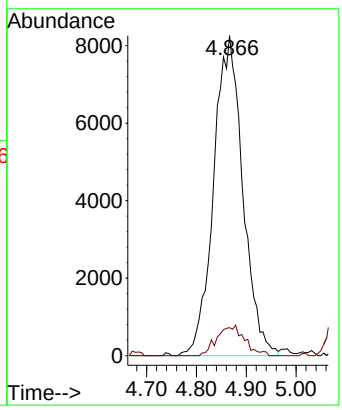
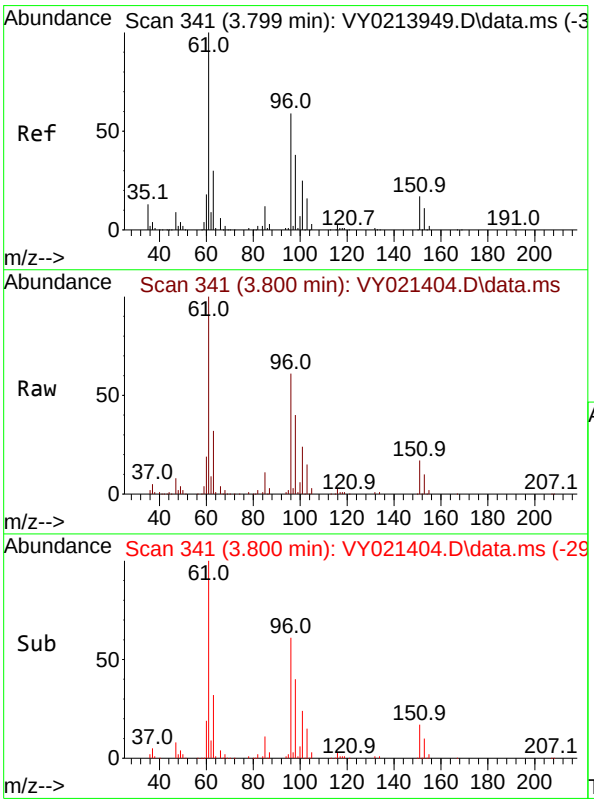
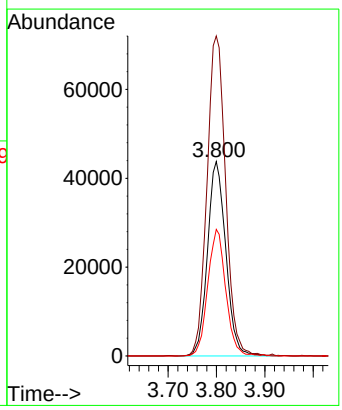


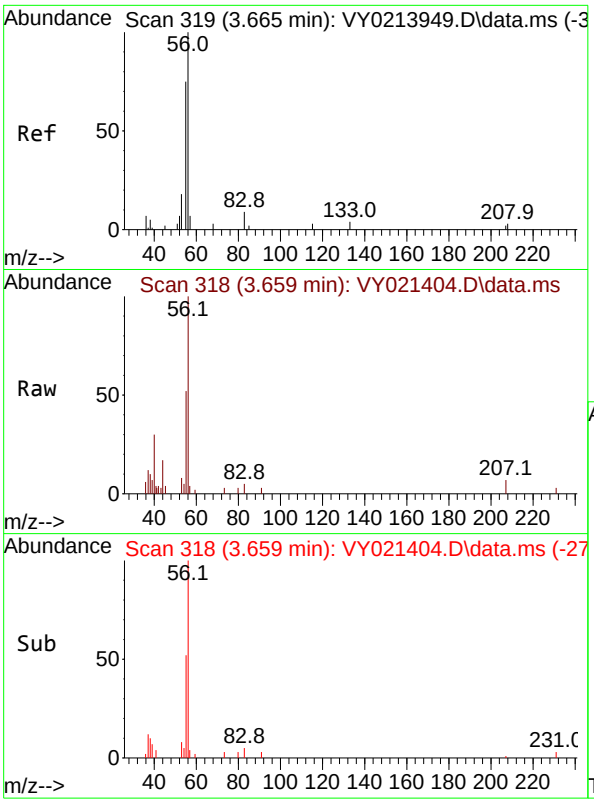


#12
1,1-Dichloroethene
Concen: 49.424 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.001 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 96 Resp: 115418

Ion	Ratio	Lower	Upper
96	100		
61	164.6	135.2	202.8
98	65.1	51.4	77.2





#13
Acrolein
Concen: 45.035 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 56 Resp: 550

Ion	Ratio	Lower	Upper
56	100		
55	69.9	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
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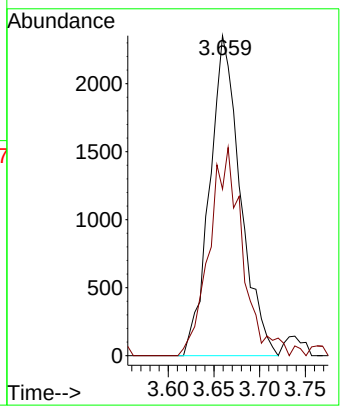
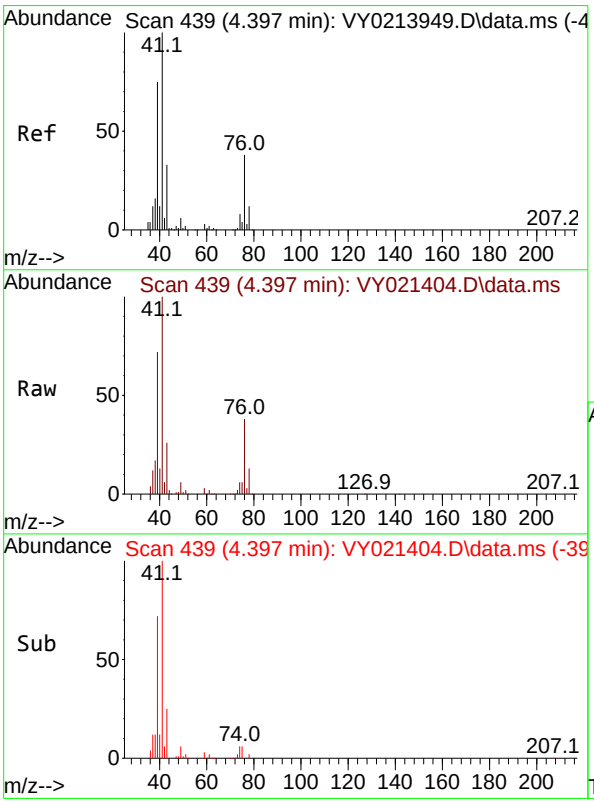
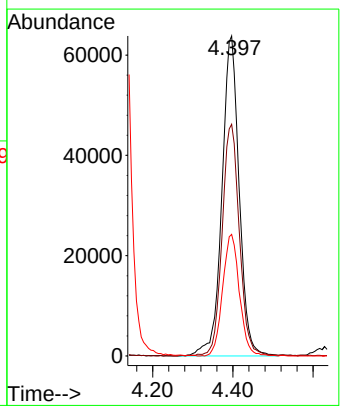


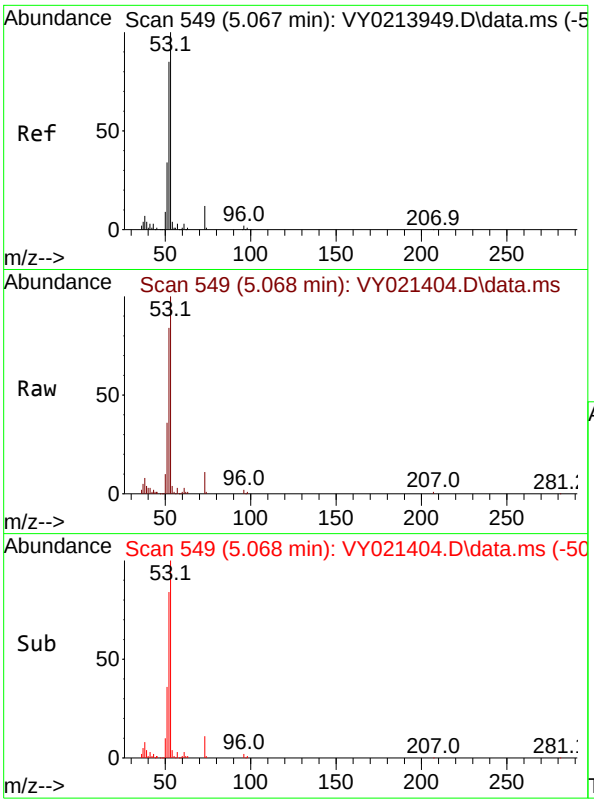


#14
Allyl chloride
Concen: 50.500 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 41 Resp: 190579

Ion	Ratio	Lower	Upper
41	100		
39	72.5	59.3	88.9
76	37.0	29.8	44.8





#15
Acrylonitrile
Concen: 218.213 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 53 Resp: 11549

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.3	99.5
51	38.4	30.3	45.5

Instrument :
MSVOA_Y
ClientSampleId :
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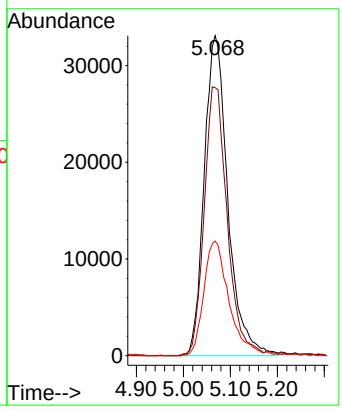
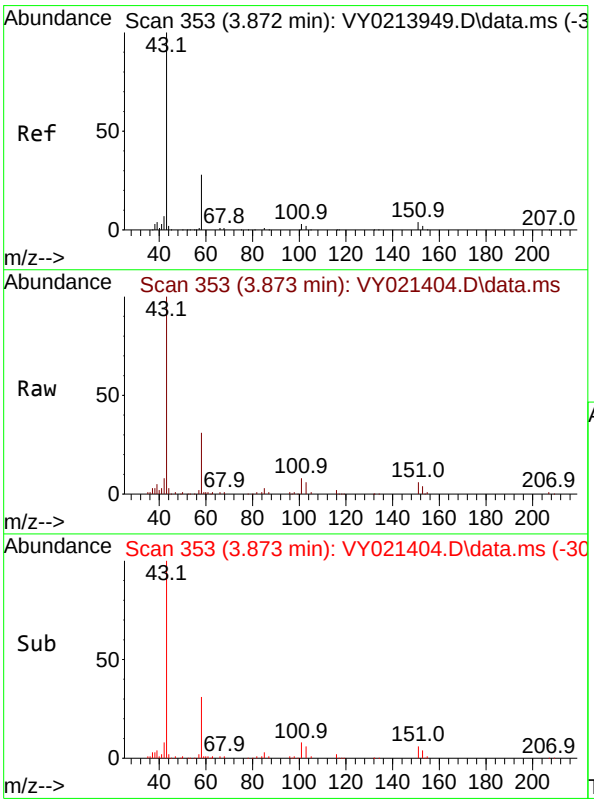
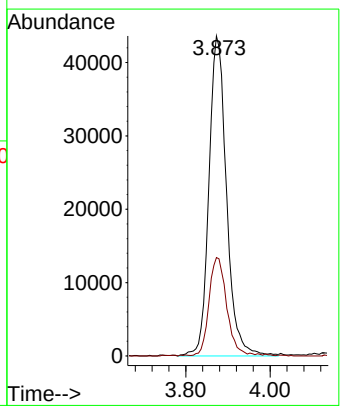


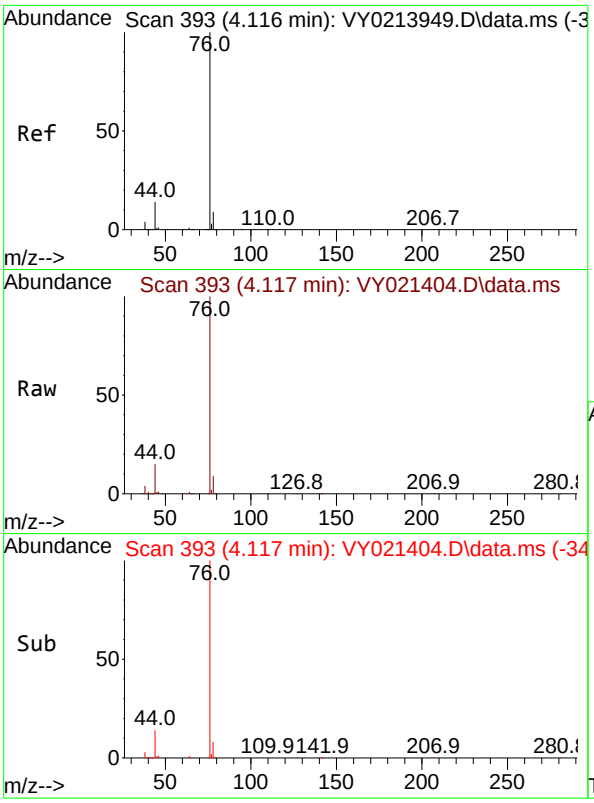


#16
Acetone
Concen: 241.068 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 126338

Ion	Ratio	Lower	Upper
43	100		
58	30.7	22.1	33.1

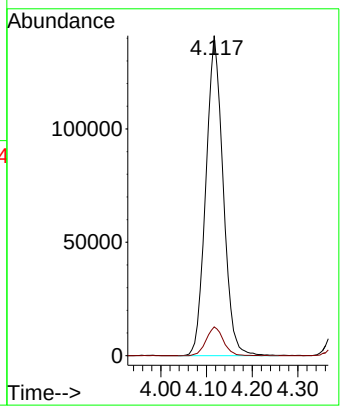




#17
Carbon Disulfide
Concen: 50.464 ug/l
RT: 4.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 76 Resp: 36932

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
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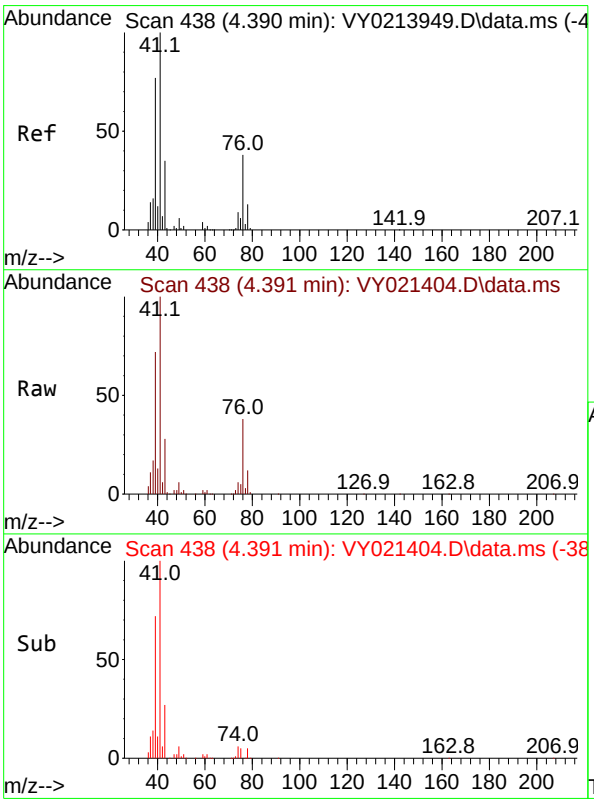
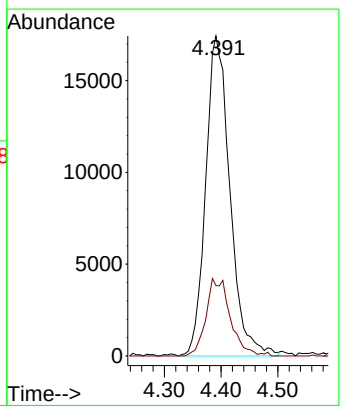
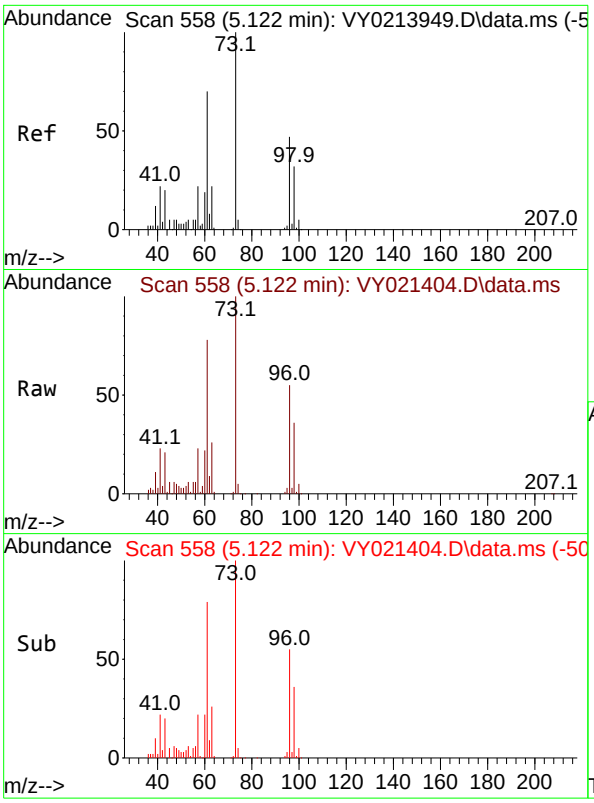


#18
Methyl Acetate
Concen: 44.501 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 51747

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.0

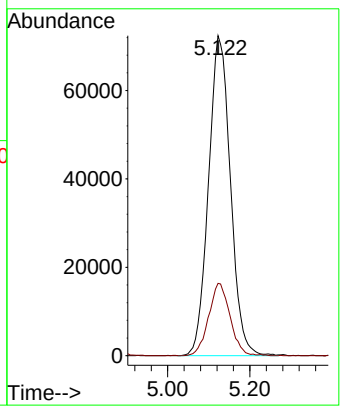




#19
Methyl tert-butyl Ether
Concen: 45.249 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 73 Resp: 26782

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.9	26.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

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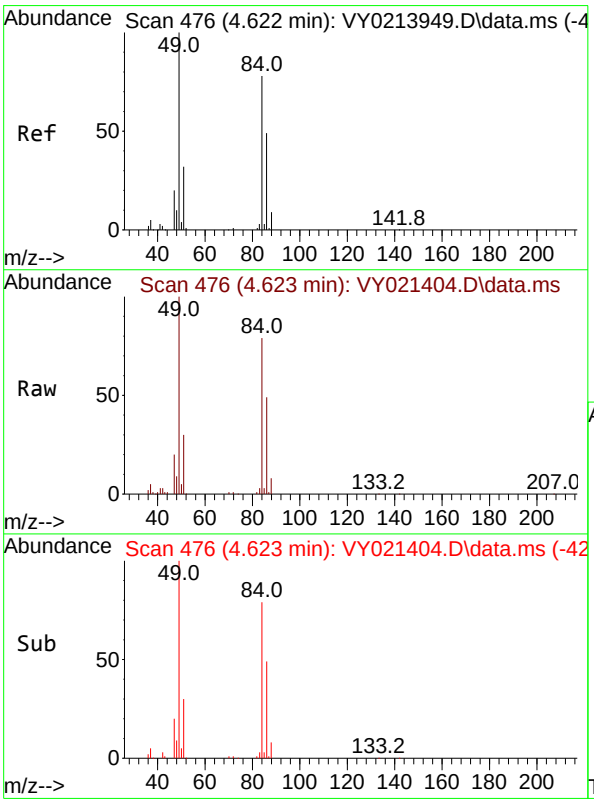
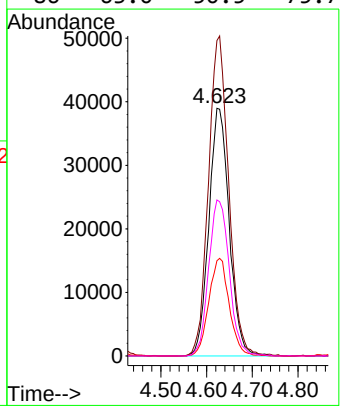
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

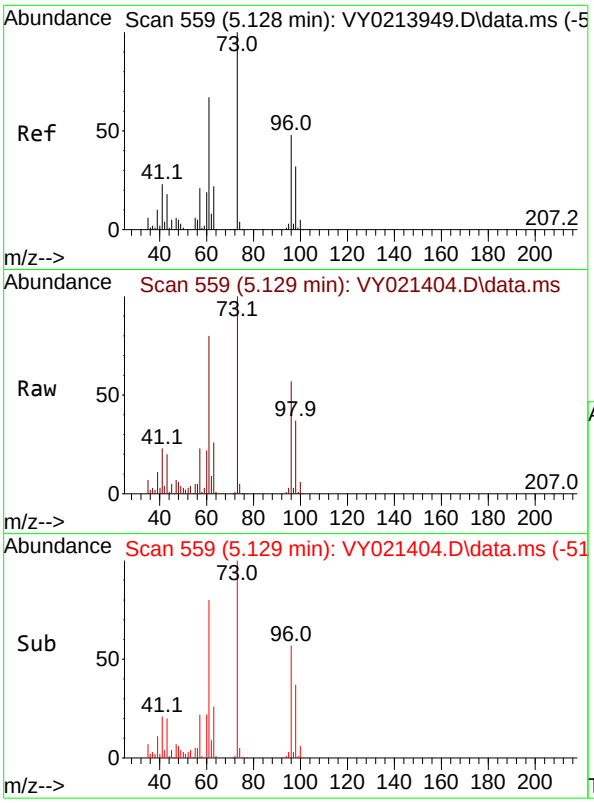


#20
Methylene Chloride
Concen: 43.913 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 84 Resp: 120803

Ion	Ratio	Lower	Upper
84	100		
49	127.3	102.0	153.0
51	38.4	33.0	49.6
86	63.0	50.5	75.7

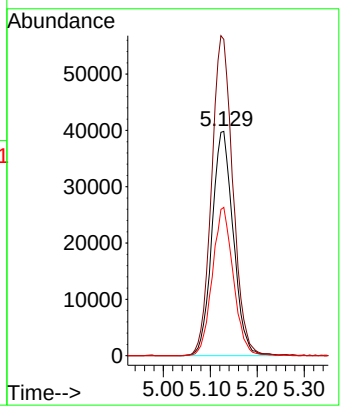




#21
trans-1,2-Dichloroethene
Concen: 48.065 ug/l
RT: 5.129 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 96 Resp: 12570

Ion	Ratio	Lower	Upper
96	100		
61	140.9	111.5	167.3
98	66.1	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
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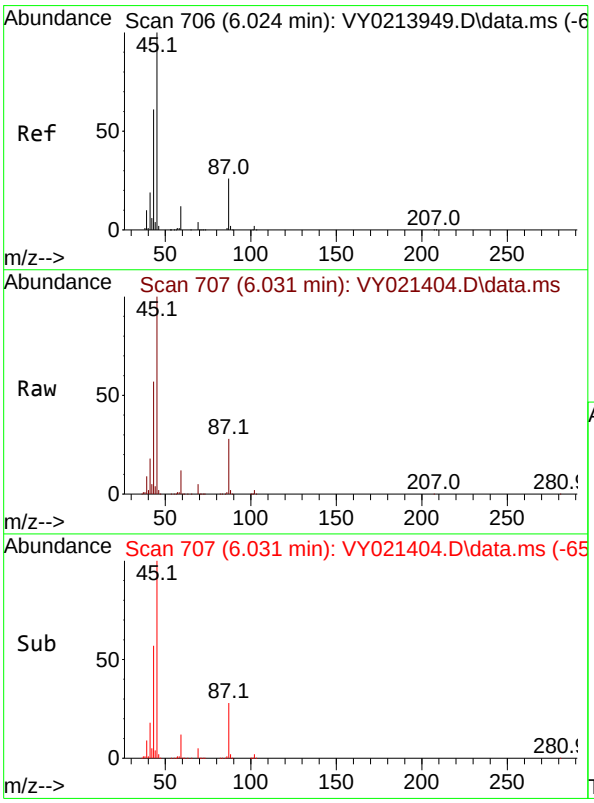
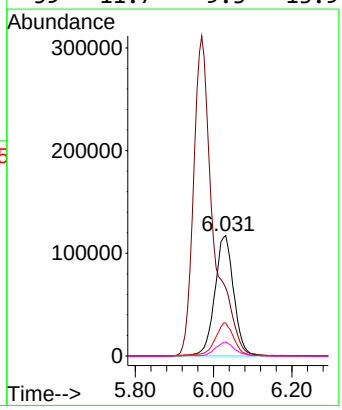
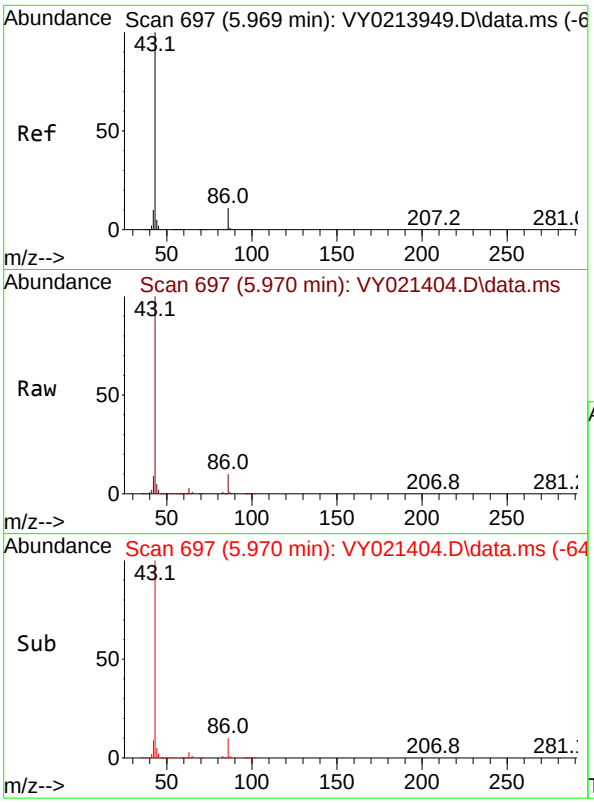


#22
Diisopropyl ether
Concen: 48.325 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 45 Resp: 393029

Ion	Ratio	Lower	Upper
45	100		
43	56.2	48.7	73.1
87	27.5	21.5	32.3
59	11.7	9.3	13.9





#23
Vinyl Acetate
Concen: 233.756 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 108499

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

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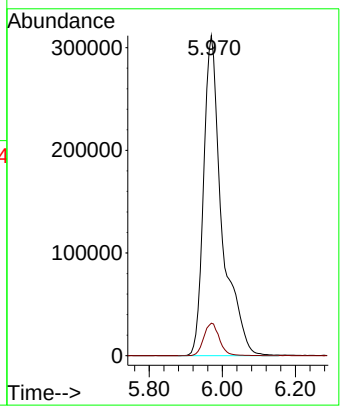
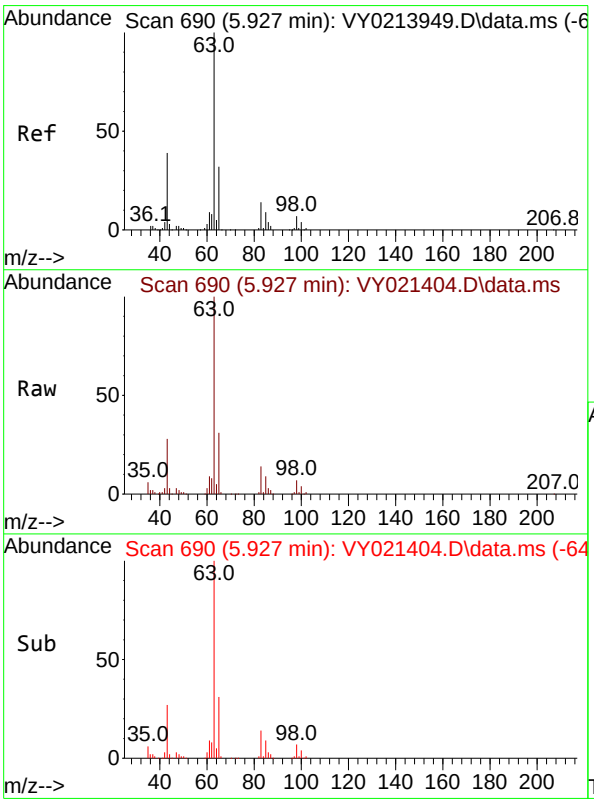
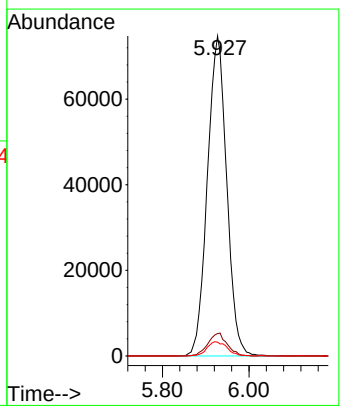


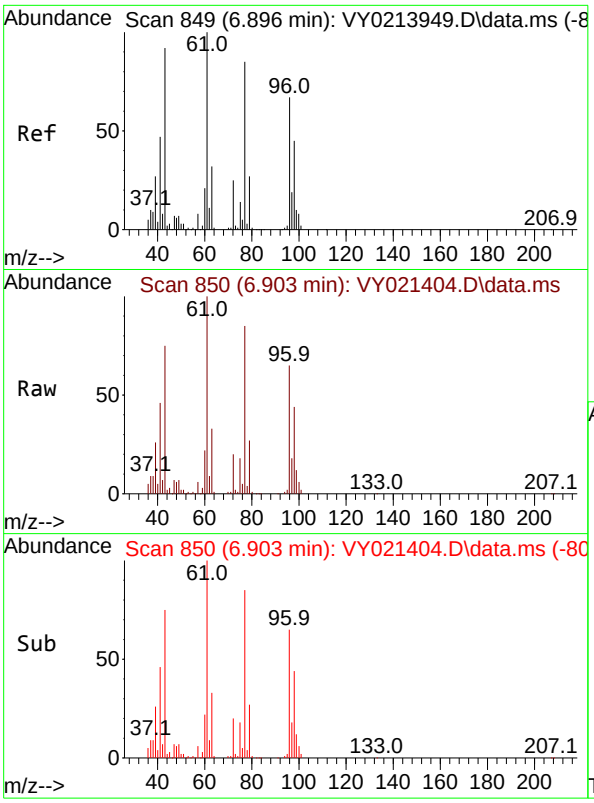


#24
1,1-Dichloroethane
Concen: 48.243 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 63 Resp: 231573

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.9
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 222.145 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 16104

Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

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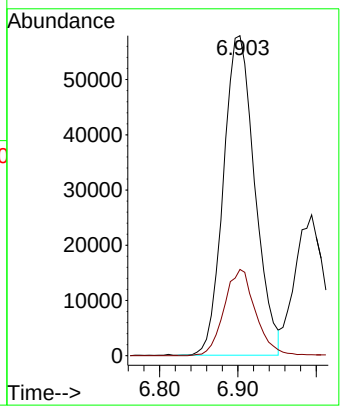
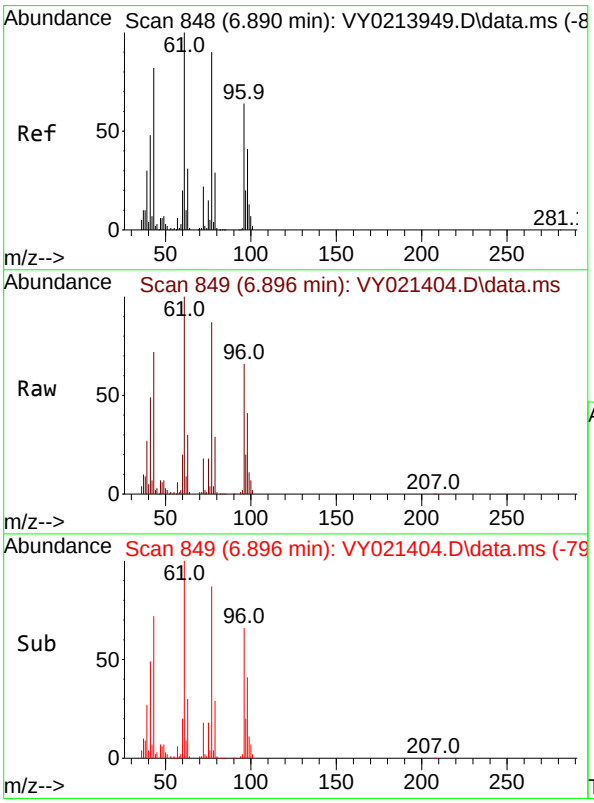
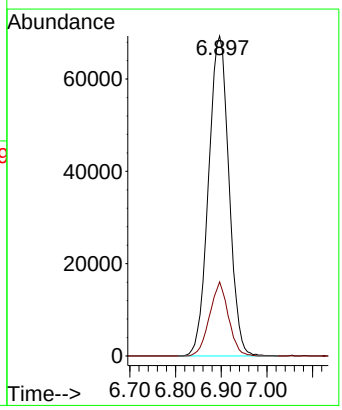


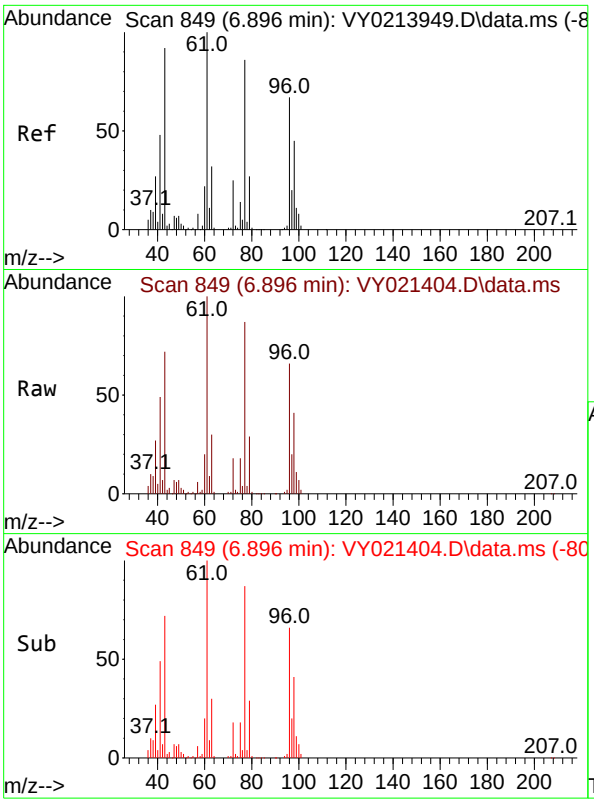


#26
2,2-Dichloropropane
Concen: 48.615 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 77 Resp: 214717

Ion	Ratio	Lower	Upper
77	100		
97	21.4	11.3	33.8

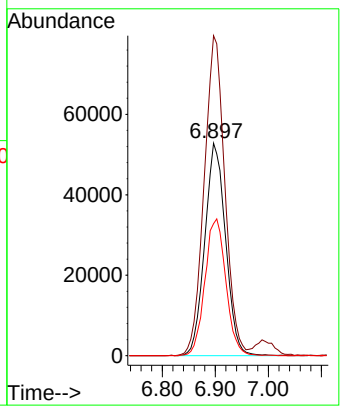




#27
cis-1,2-Dichloroethene
Concen: 48.506 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 96 Resp: 14411

Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	300.8
98	64.9	0.0	130.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

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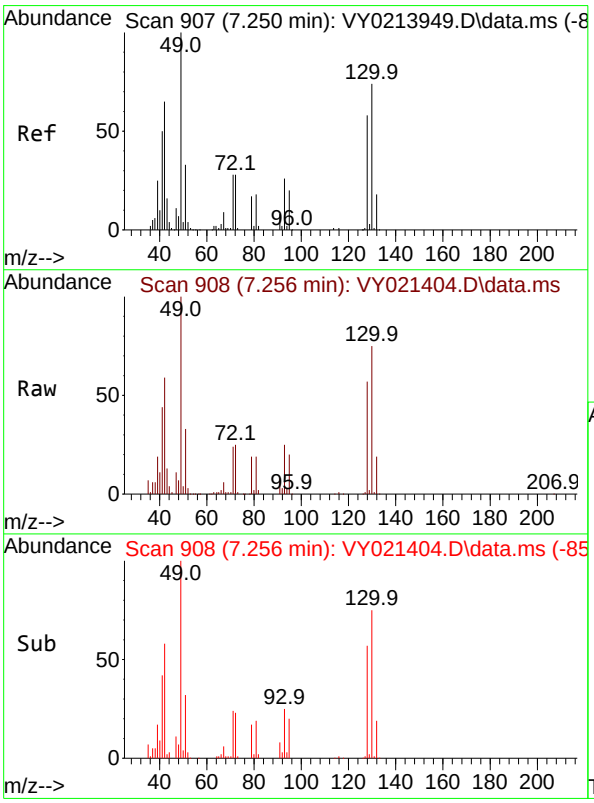
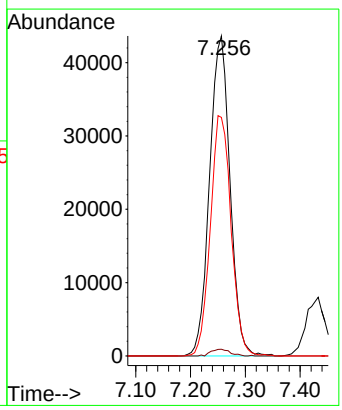
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

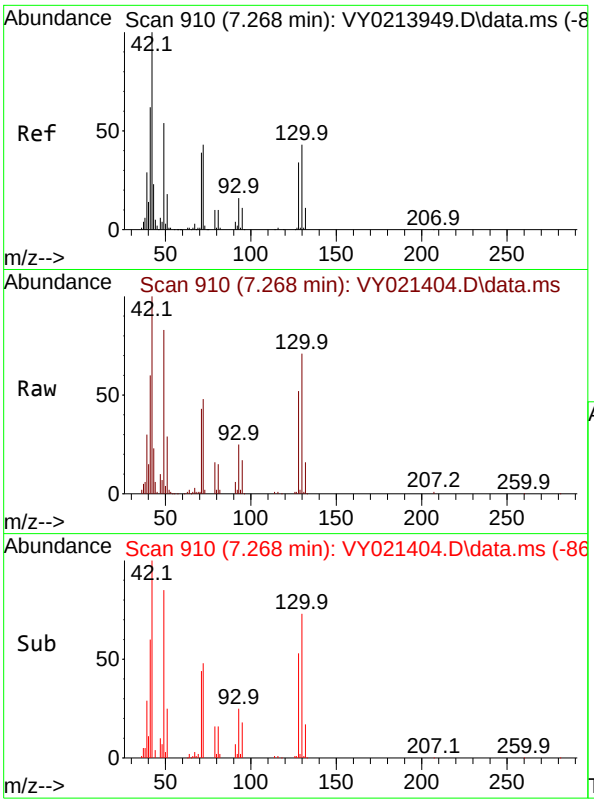


#28
Bromochloromethane
Concen: 56.200 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 49 Resp: 113096

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	76.1	59.6	89.4

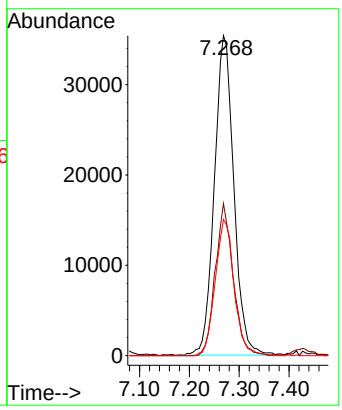




#29
Tetrahydrofuran
Concen: 214.177 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 42 Resp: 9585

Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.8	52.2
71	41.4	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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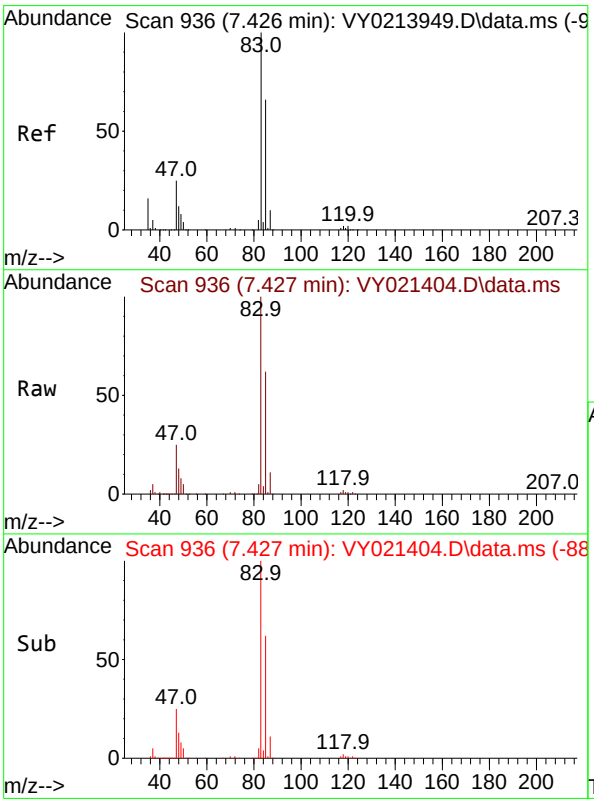
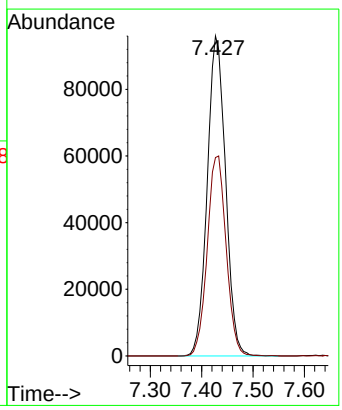
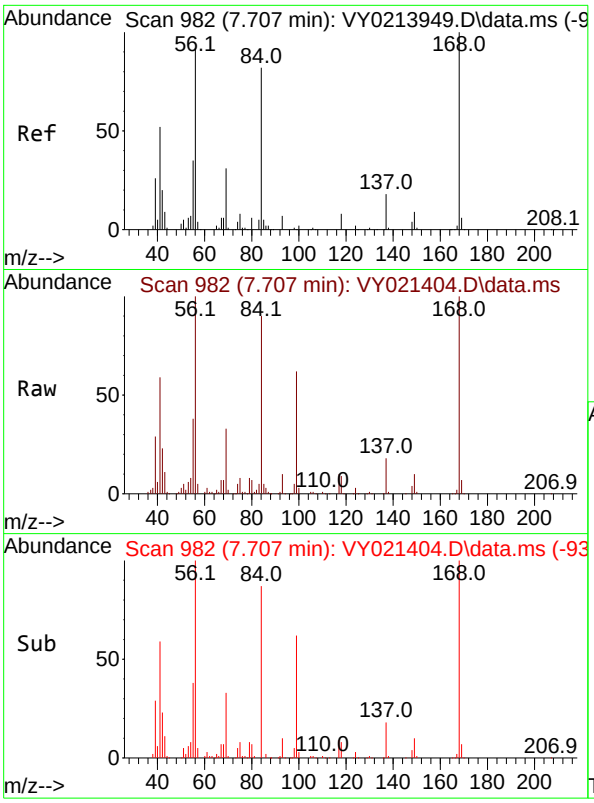


#30
Chloroform
Concen: 47.758 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 83 Resp: 238047

Ion	Ratio	Lower	Upper
83	100		
85	62.0	53.1	79.7

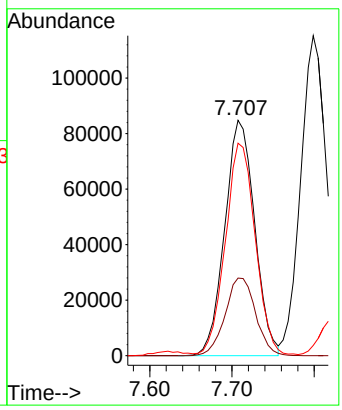




#31
Cyclohexane
Concen: 47.720 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 56 Resp: 21474

Ion	Ratio	Lower	Upper
56	100		
69	33.0	27.0	40.4
84	88.6	71.1	106.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

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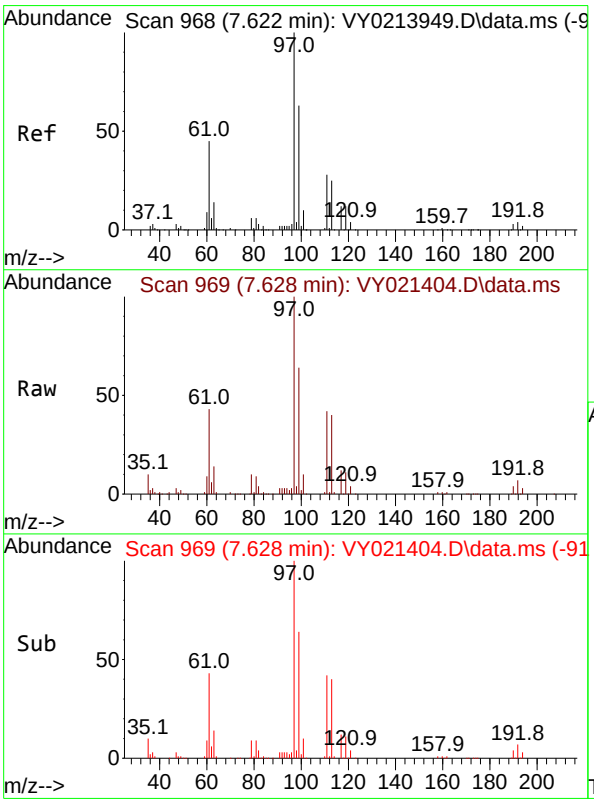
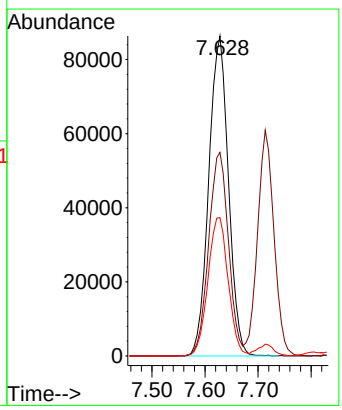
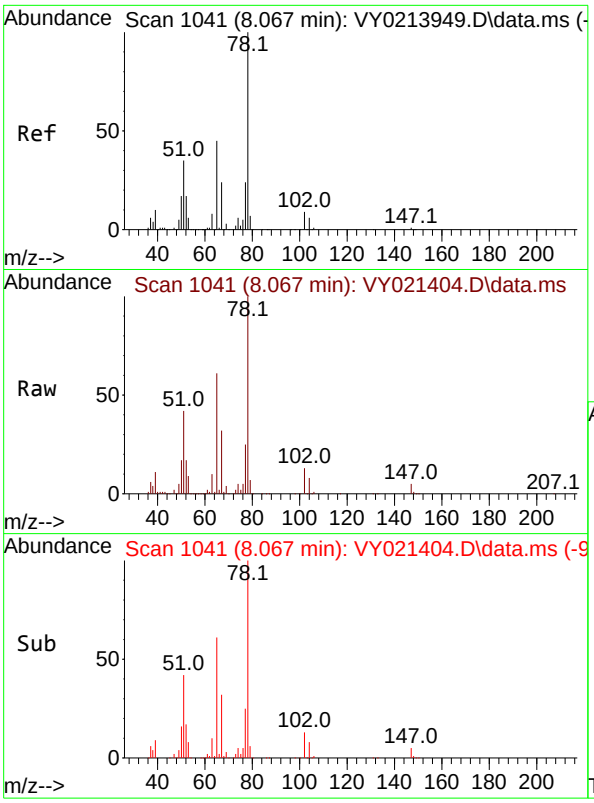


#32
1,1,1-Trichloroethane
Concen: 48.703 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 97 Resp: 222274

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	44.6	35.7	53.5

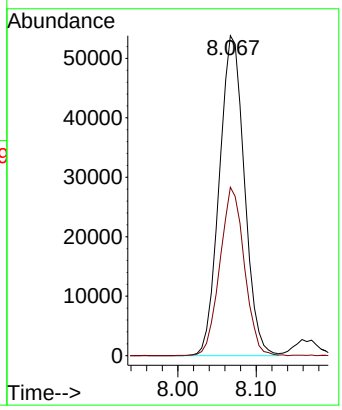




#33
1,2-Dichloroethane-d4
Concen: 49.828 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 65 Resp: 11972

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

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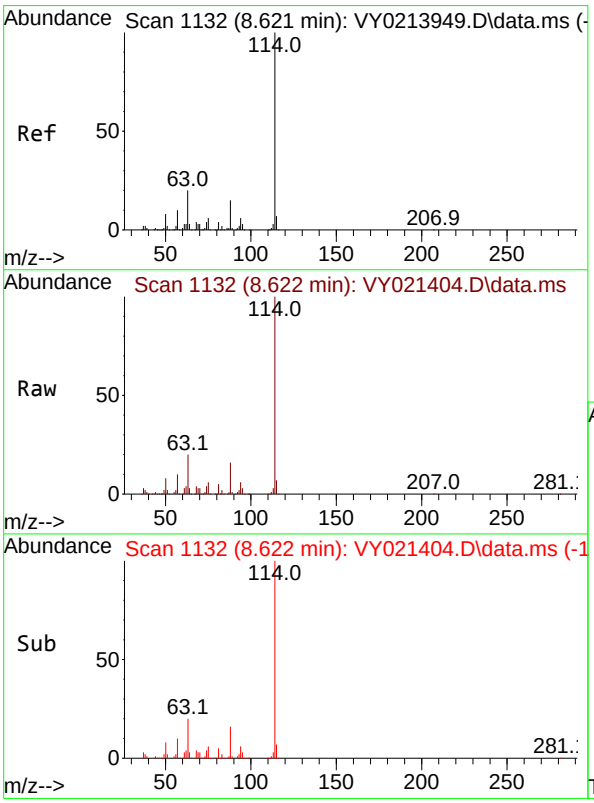
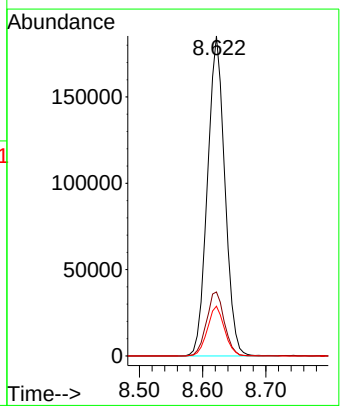
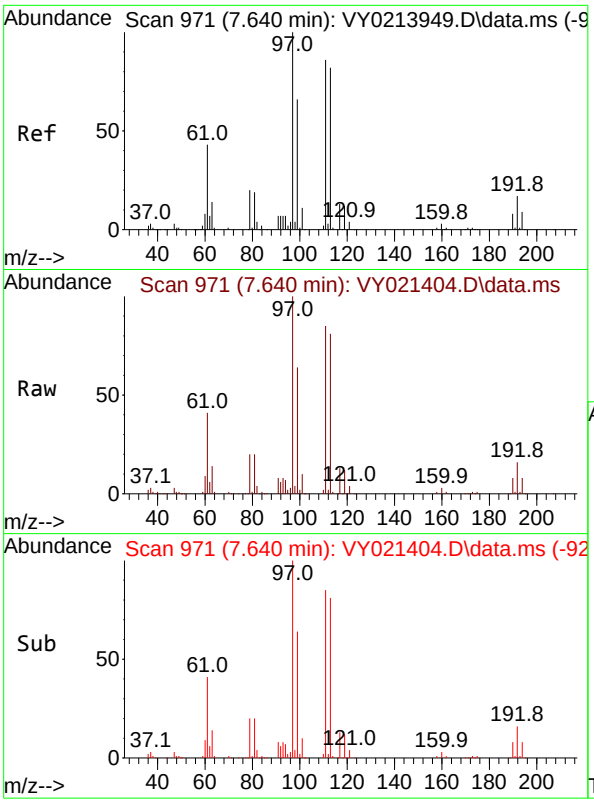


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:114 Resp: 353570

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	15.5	0.0	30.8

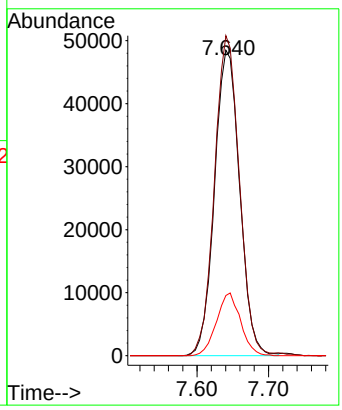




#35
Dibromofluoromethane
Concen: 50.894 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:113 Resp: 11828

Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.0	123.0
192	19.7	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

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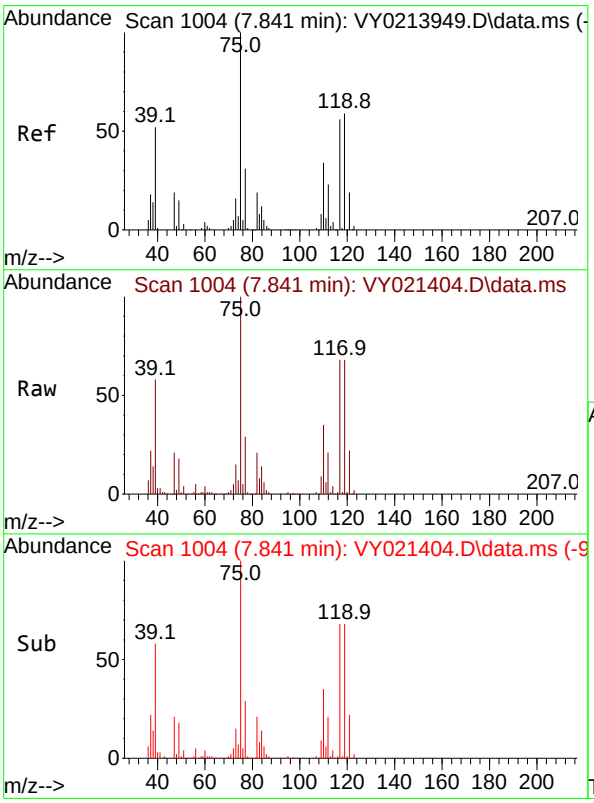
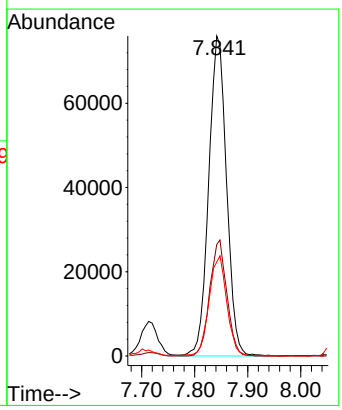
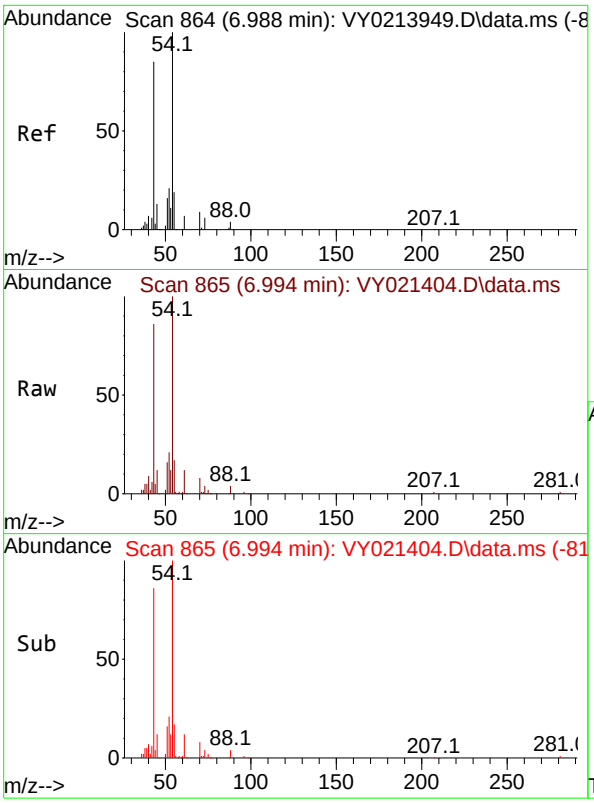


#36
1,1-Dichloropropene
Concen: 48.866 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 75 Resp: 177770

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	51.7
77	31.0	25.4	38.2





#37
Ethyl Acetate
Concen: 43.078 ug/l
RT: 6.994 min Scan# 8(
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 6926(

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.4	17.0
70	9.7	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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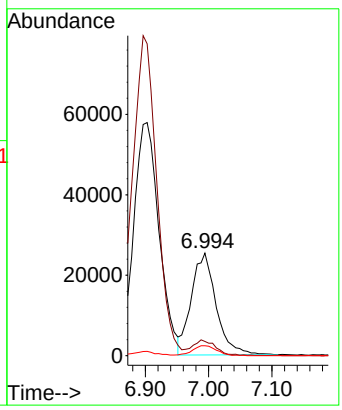
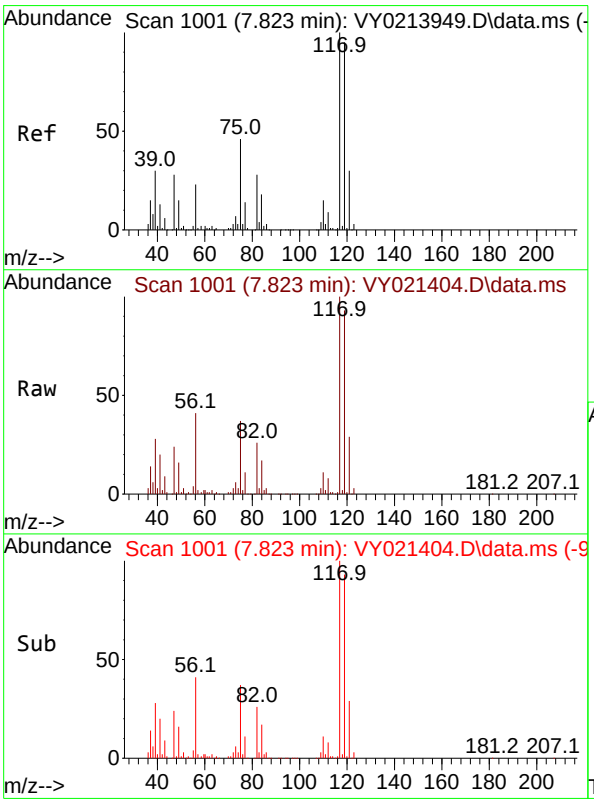
Supervised By :Semsettin Yesilyurt 03/06/2025

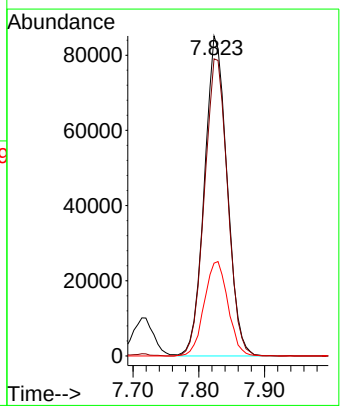


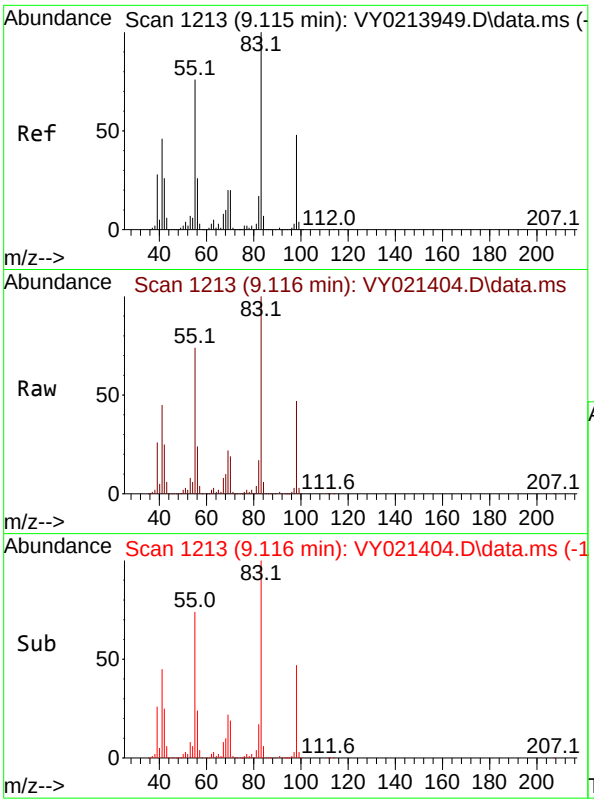


#38
Carbon Tetrachloride
Concen: 48.800 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:117 Resp: 204174

Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.8	113.8
121	29.0	23.9	35.9





#39
Methylcyclohexane
Concen: 51.724 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 83 Resp: 23081

Ion	Ratio	Lower	Upper
83	100		
55	74.4	60.7	91.1
98	47.1	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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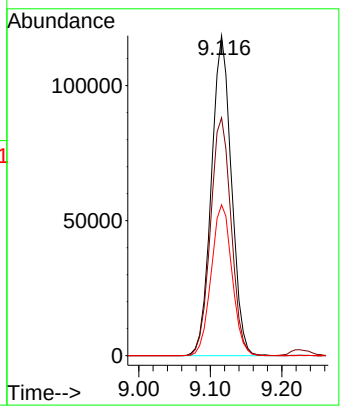
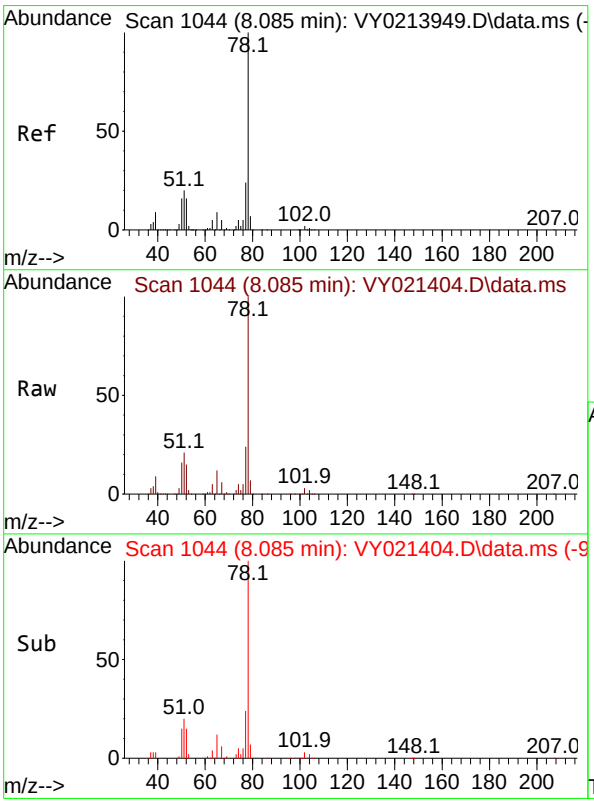
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

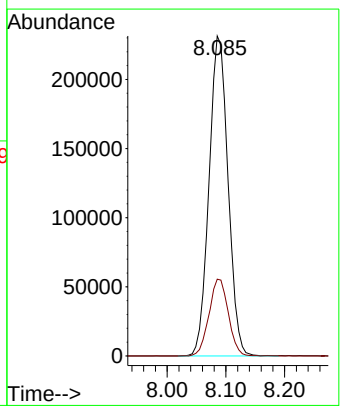


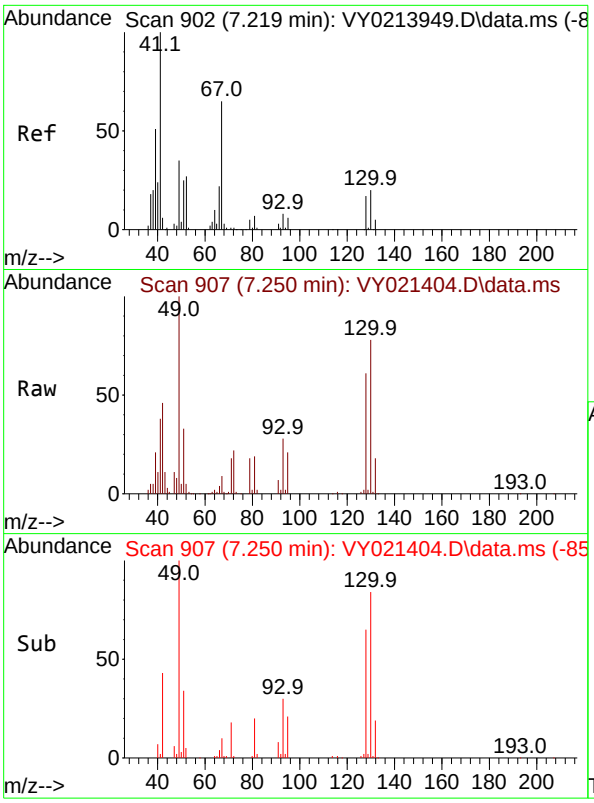


#40
Benzene
Concen: 48.542 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 78 Resp: 520202

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4

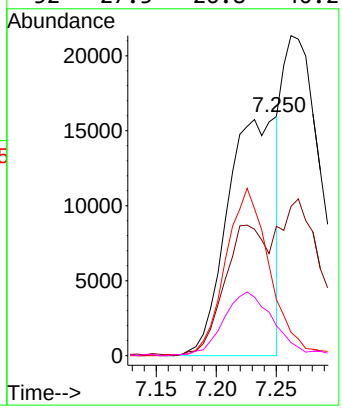




#41
Methacrylonitrile
Concen: 51.920 ug/l m
RT: 7.250 min Scan# 9
Delta R.T. 0.031 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 41 Resp: 4545

Ion	Ratio	Lower	Upper
41	100		
39	47.2	35.0	52.6
67	63.4	61.2	91.8
52	27.5	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
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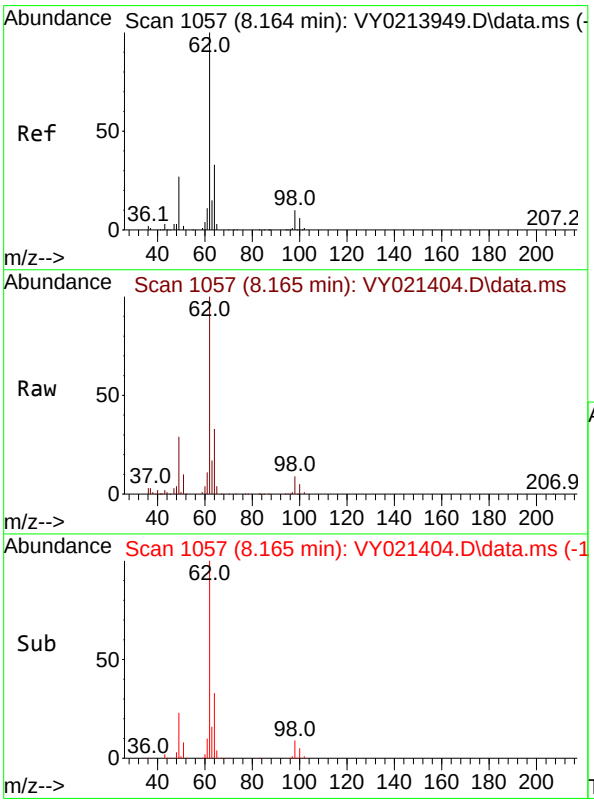
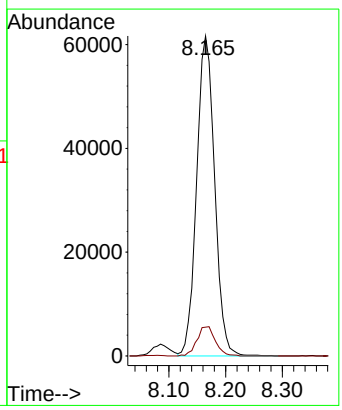
Supervised By :Semsettin Yesilyurt 03/06/2025

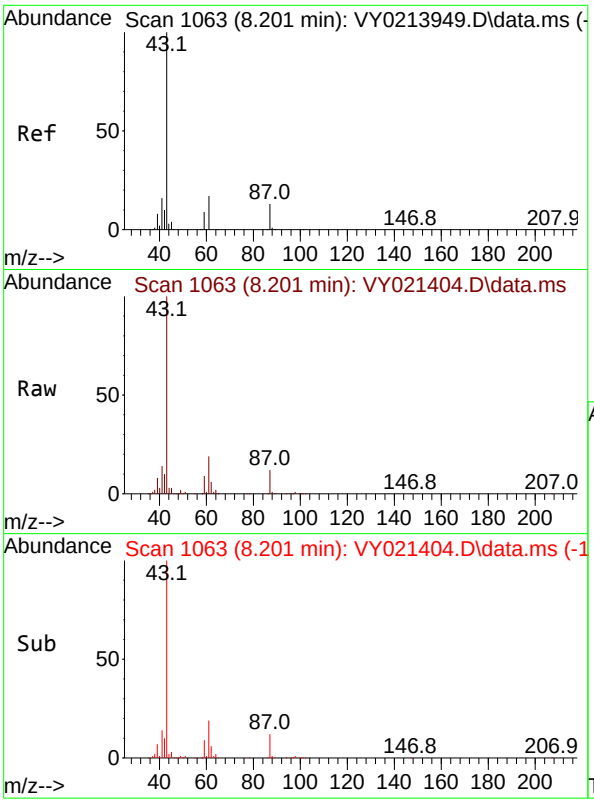


#42
1,2-Dichloroethane
Concen: 45.393 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 62 Resp: 136088

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43
Isopropyl Acetate
Concen: 43.036 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 13433

Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.4	35.0
87	13.1	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
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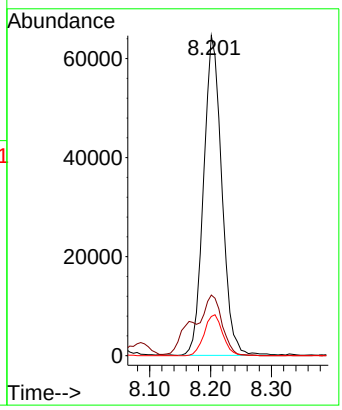
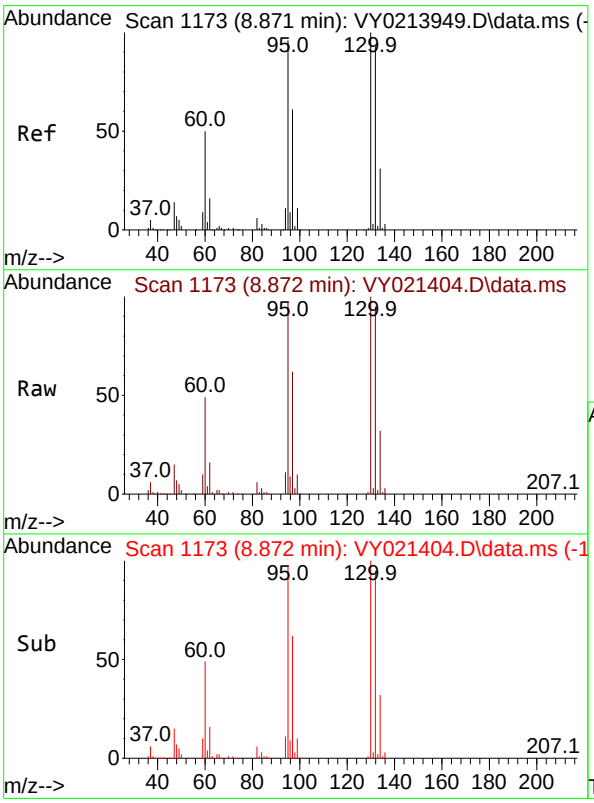
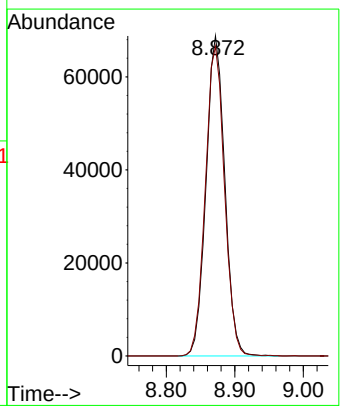


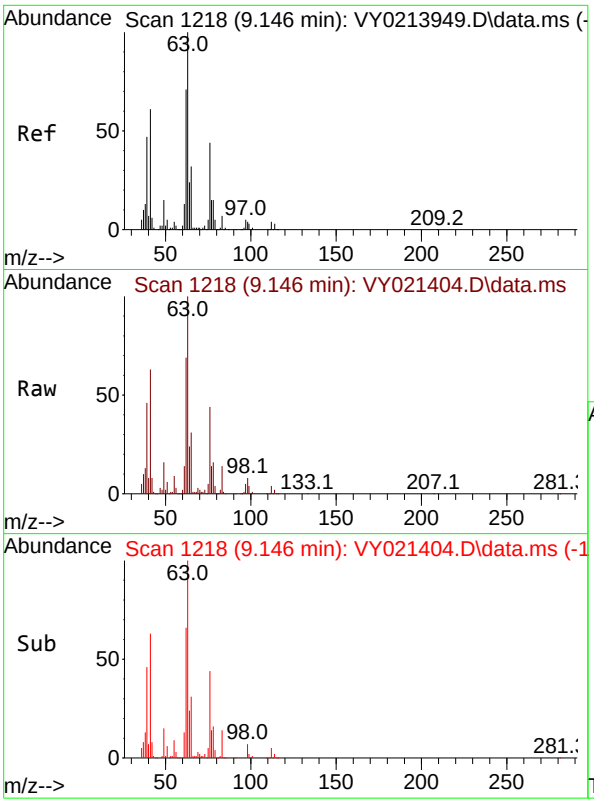


#44
Trichloroethene
Concen: 48.321 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:130 Resp: 130855

Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	191.6

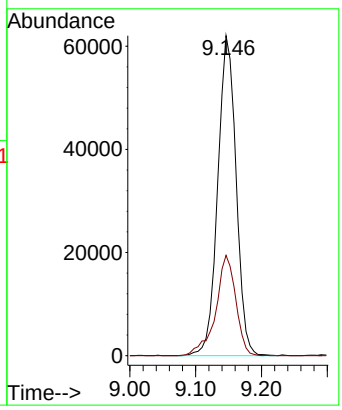




#45
1,2-Dichloropropane
Concen: 47.287 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 63 Resp: 12060

Ion	Ratio	Lower	Upper
63	100		
65	31.4	26.0	39.0



Instrument :
MSVOA_Y
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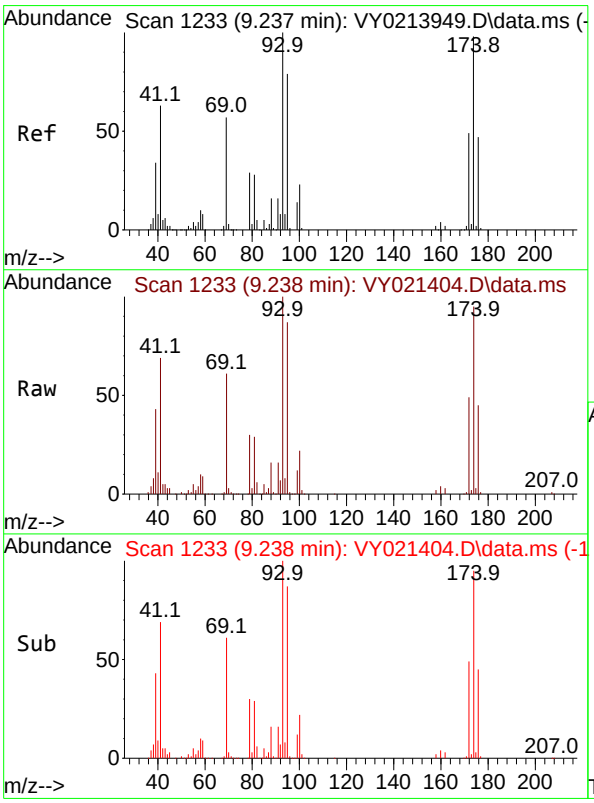
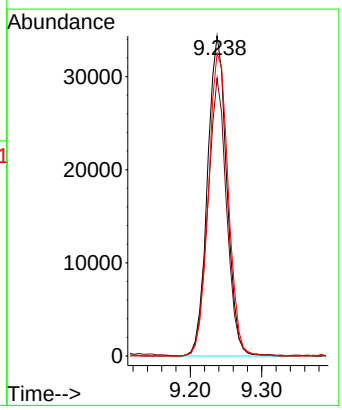
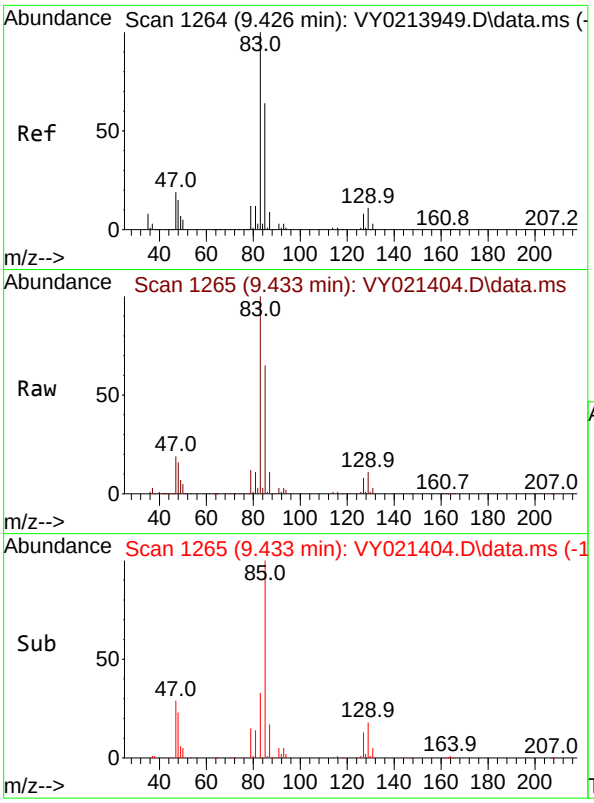


#46
Dibromomethane
Concen: 45.413 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 93 Resp: 64447

Ion	Ratio	Lower	Upper
93	100		
95	85.1	65.8	98.8
174	97.4	77.9	116.9

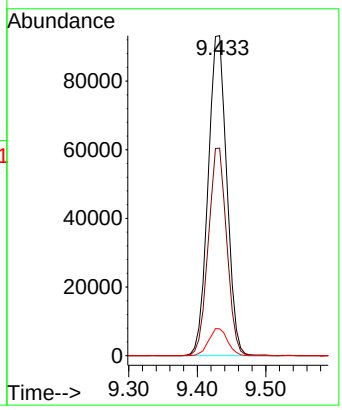




#47
Bromodichloromethane
Concen: 46.755 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 83 Resp: 17621

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
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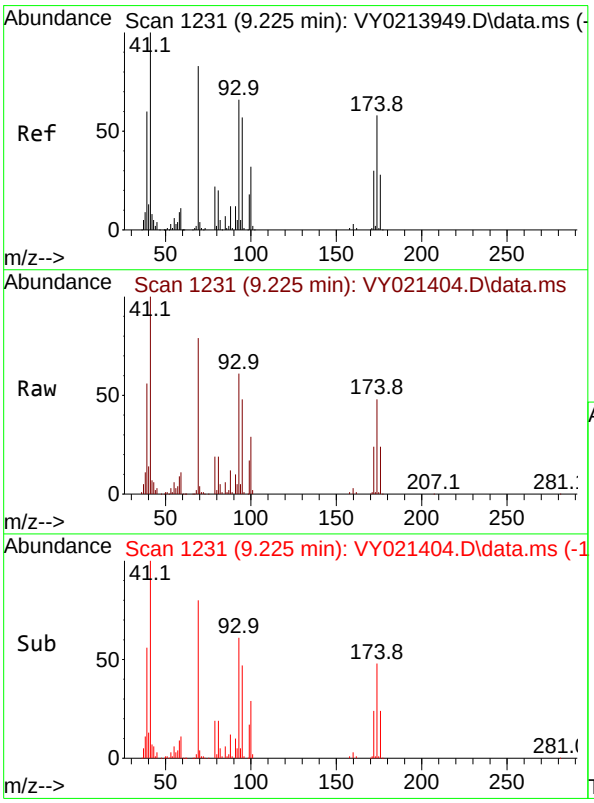
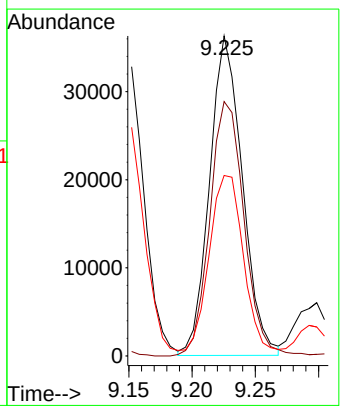
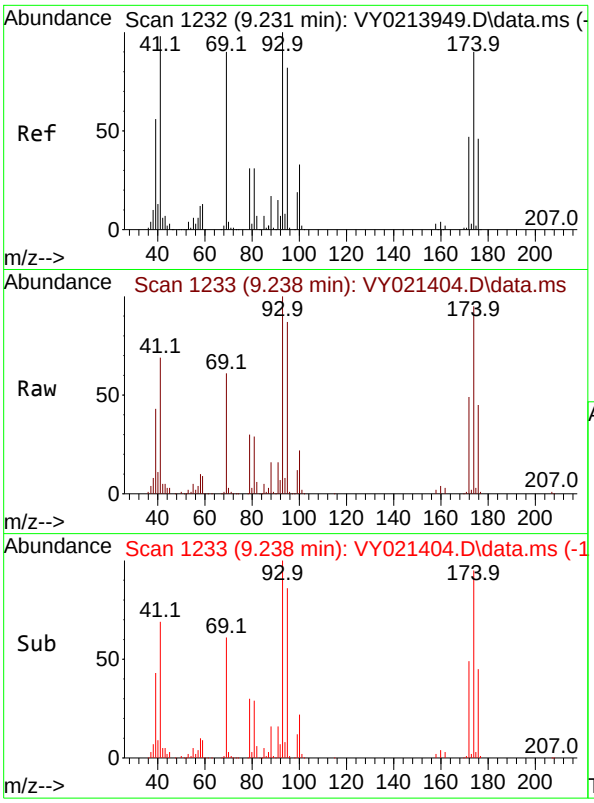


#48
Methyl methacrylate
Concen: 45.652 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 41 Resp: 65433

Ion	Ratio	Lower	Upper
41	100		
69	83.5	67.8	101.8
39	56.4	46.4	69.6





#49
1,4-Dioxane
Concen: 874.634 ug/l
RT: 9.238 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 88 Resp: 1218

Ion	Ratio	Lower	Upper
88	100		
43	35.4	25.0	37.4
58	72.6	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

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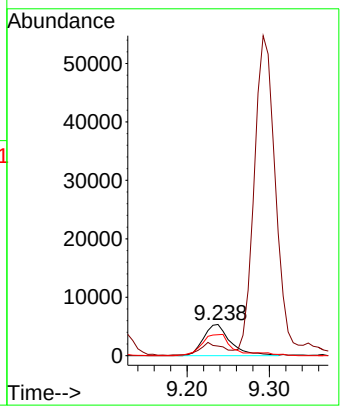
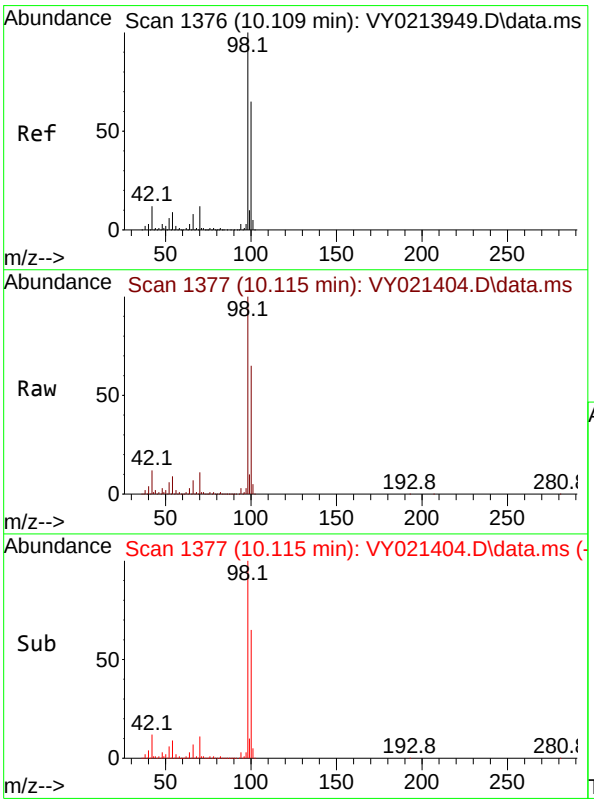
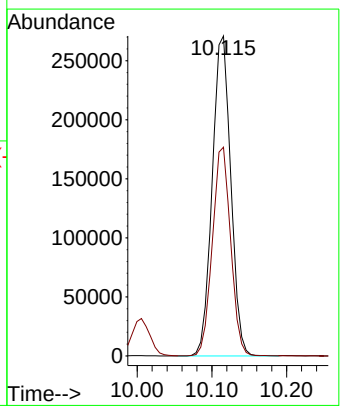


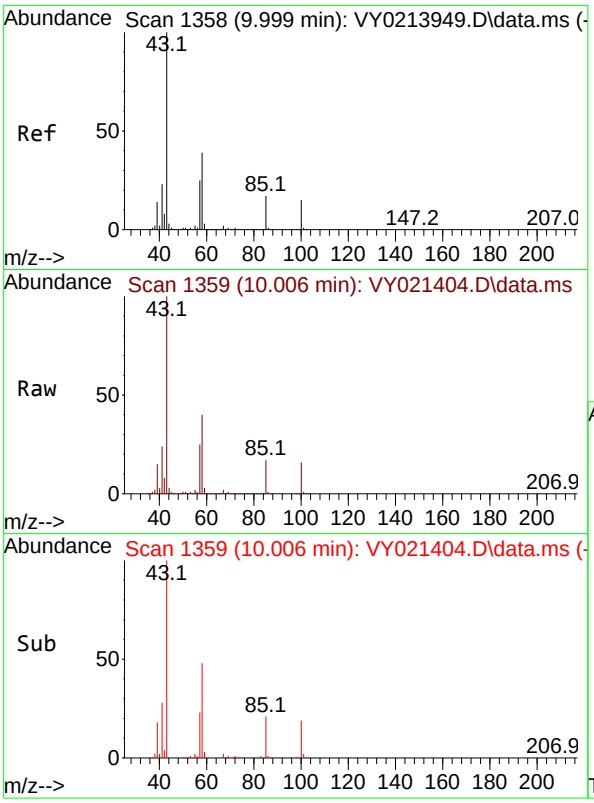


#50
Toluene-d8
Concen: 53.263 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 98 Resp: 468697

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

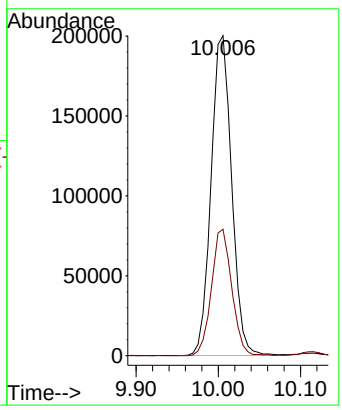




#51
4-Methyl-2-Pentanone
Concen: 216.781 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 34912

Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
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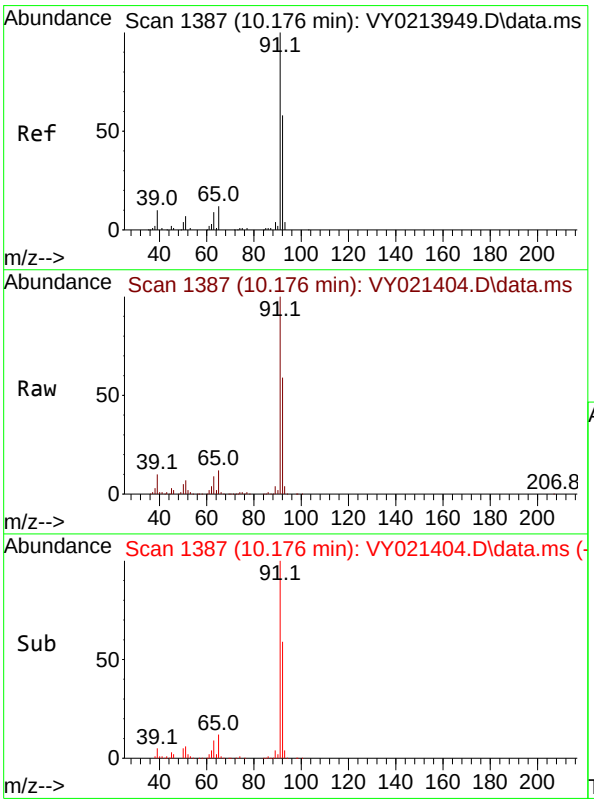
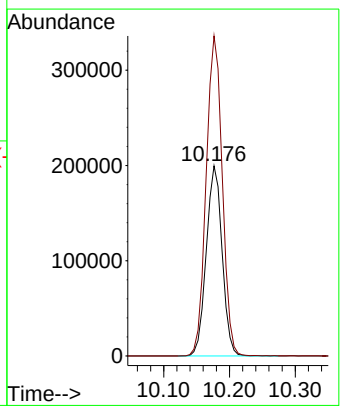
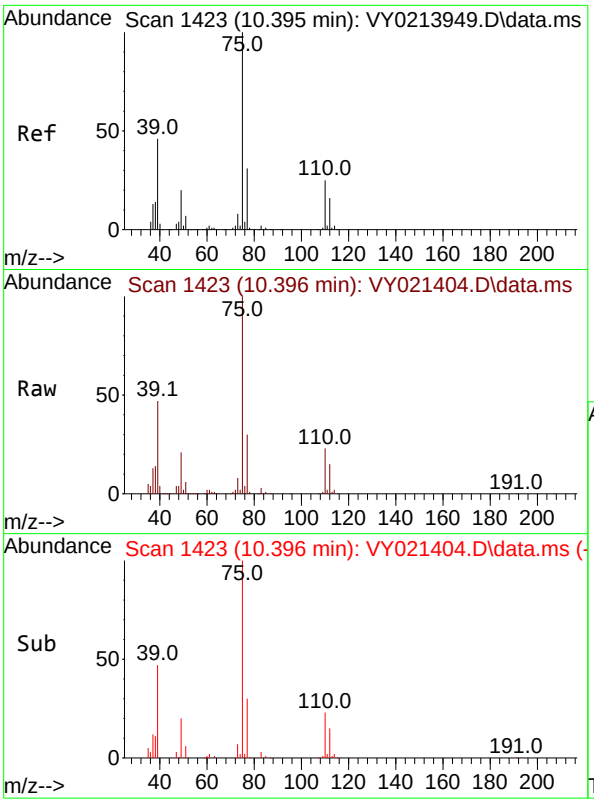


#52
Toluene
Concen: 49.486 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 92 Resp: 334342

Ion	Ratio	Lower	Upper
92	100		
91	171.6	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 47.312 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 75 Resp: 15709

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
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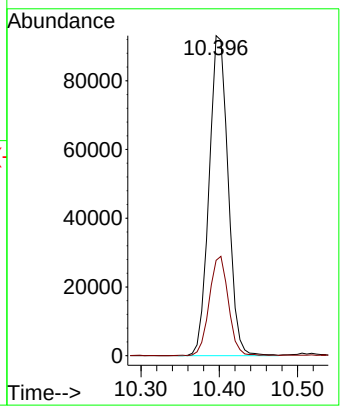
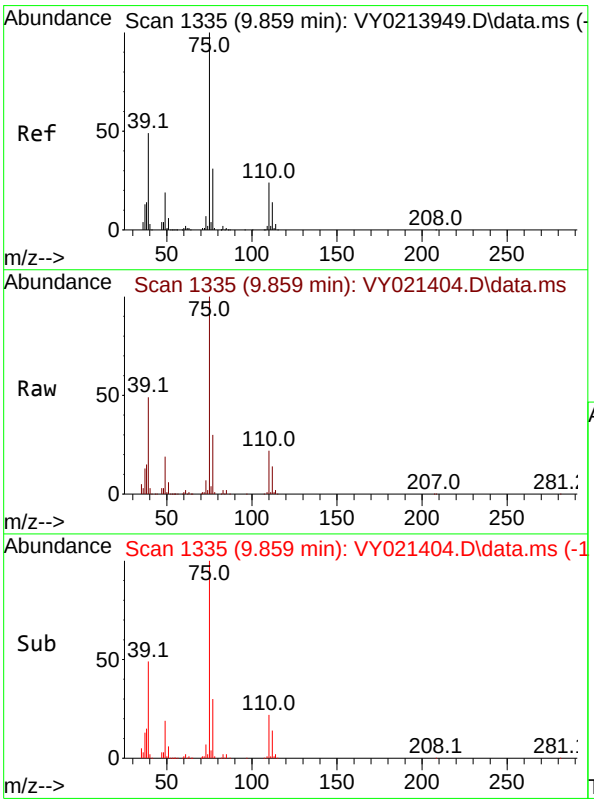
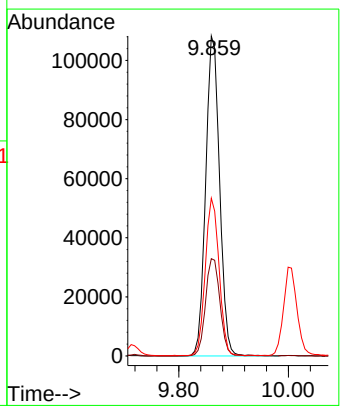


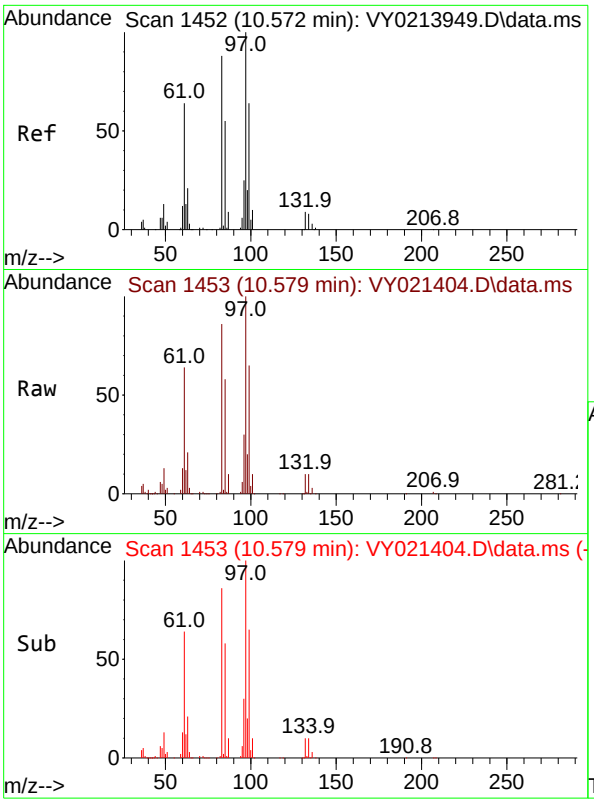


#54
cis-1,3-Dichloropropene
Concen: 48.236 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 75 Resp: 190151

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.6	37.0
39	49.2	39.4	59.2

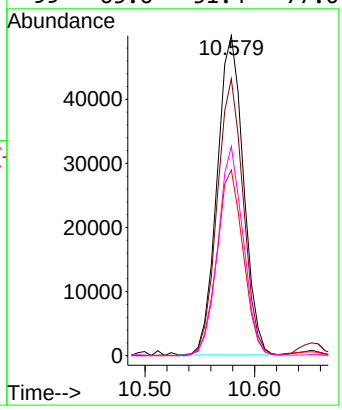




#55
1,1,2-Trichloroethane
Concen: 44.786 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 97 Resp: 8313

Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.0	105.0
85	58.1	44.3	66.5
99	65.6	51.4	77.0



Instrument :
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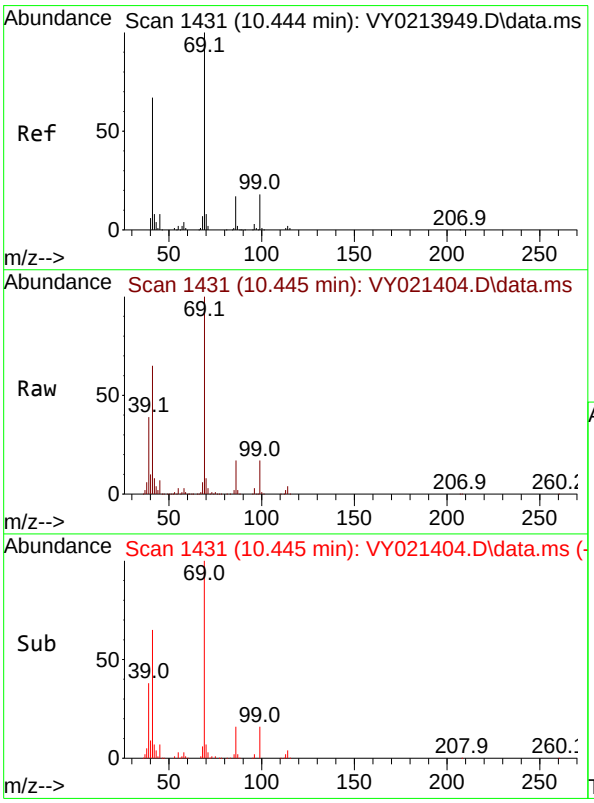
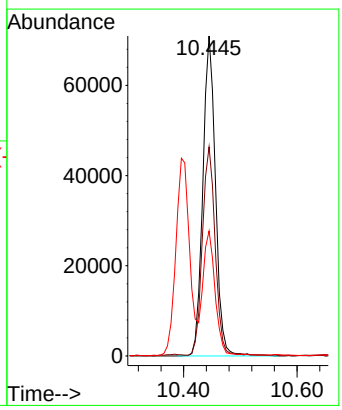
Supervised By :Semsettin Yesilyurt 03/06/2025

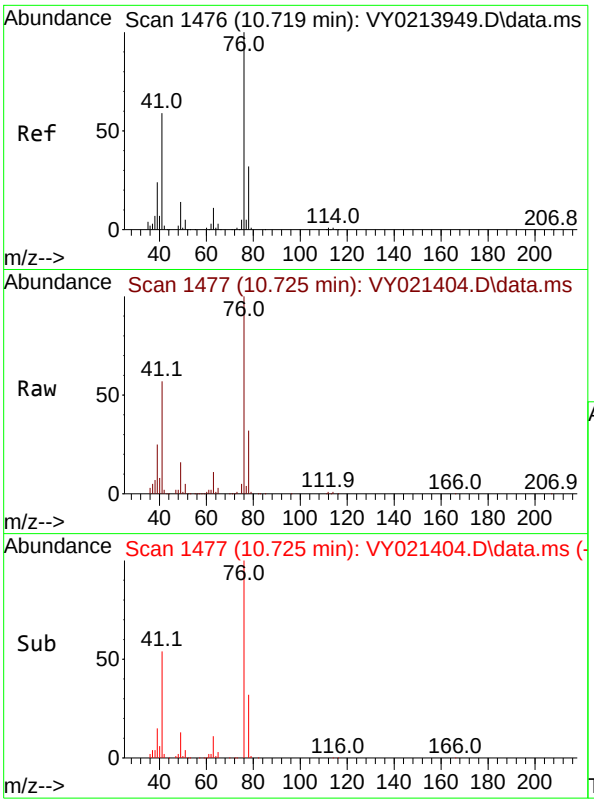


#56
Ethyl methacrylate
Concen: 46.305 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 69 Resp: 109629

Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.3	79.9
39	36.5	31.0	46.6





#57
1,3-Dichloropropane
Concen: 46.108 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 76 Resp: 14834

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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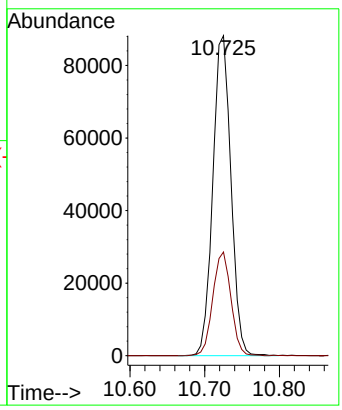
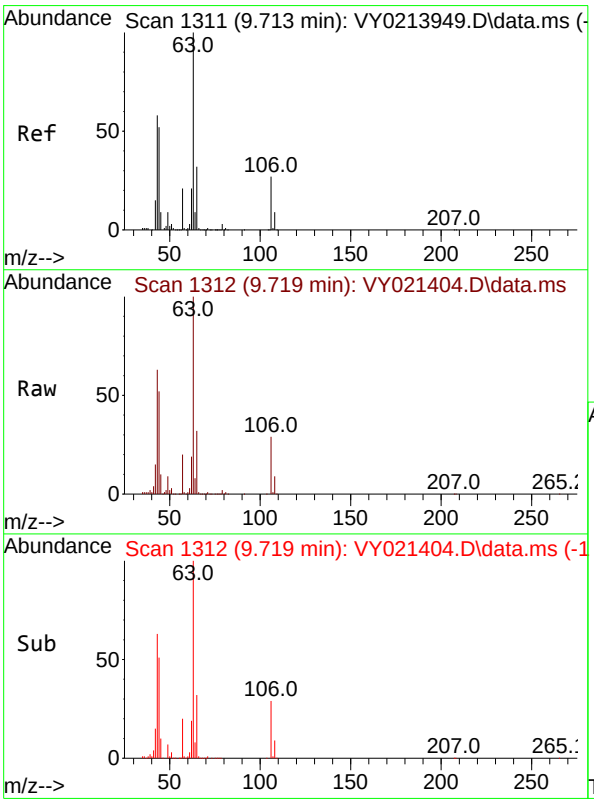
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

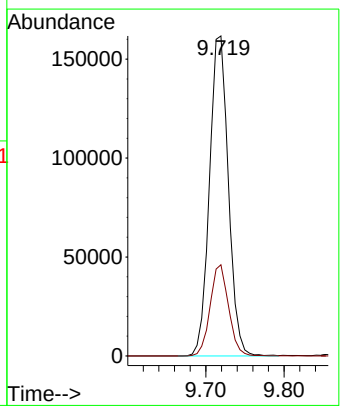


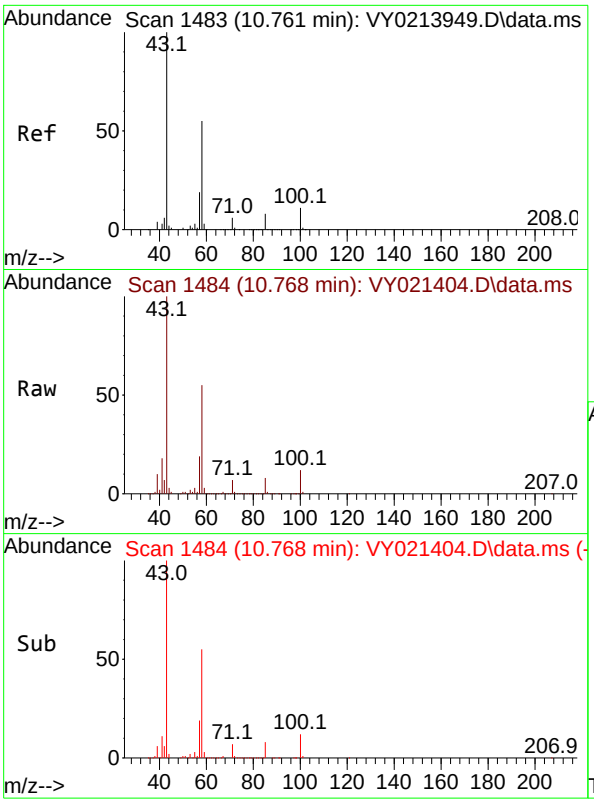


#58
2-Chloroethyl Vinyl ether
Concen: 247.869 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 63 Resp: 270898

Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.1	33.1





#59
2-Hexanone
Concen: 224.350 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 23891

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

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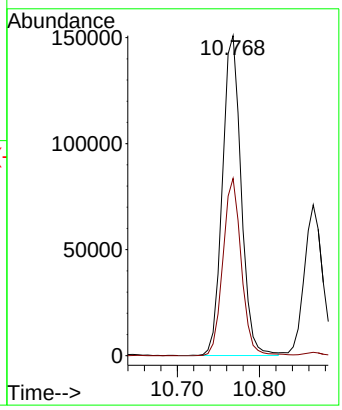
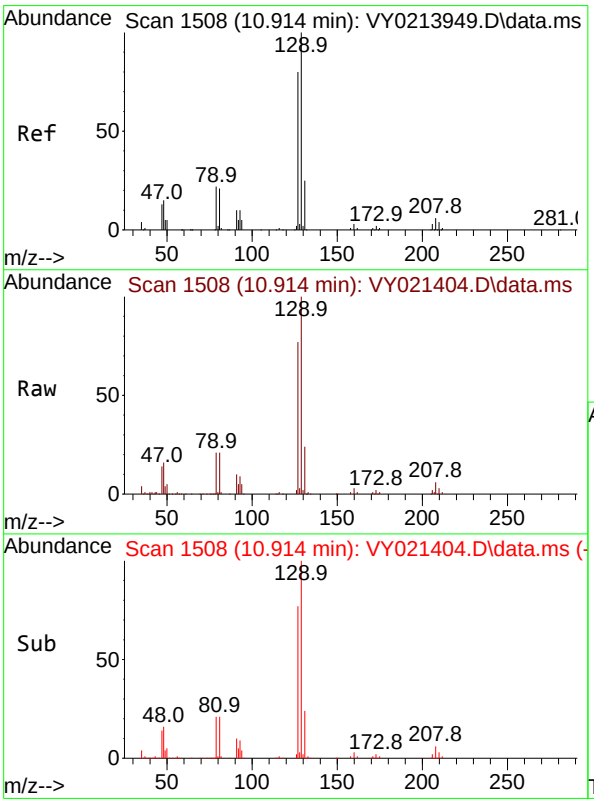
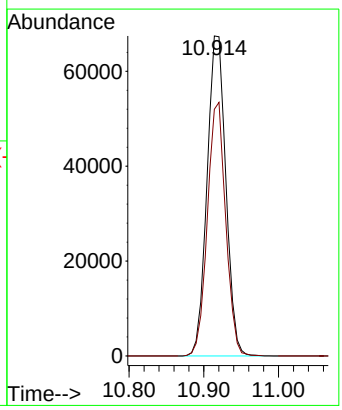


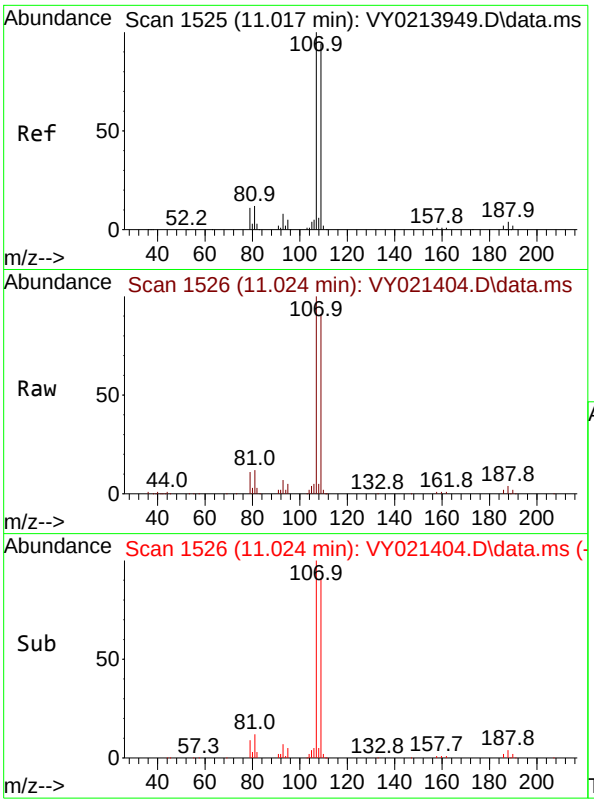


#60
Dibromochloromethane
Concen: 46.278 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:129 Resp: 117776

Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.1	117.3





#61
1,2-Dibromoethane
Concen: 45.932 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:107 Resp: 8047

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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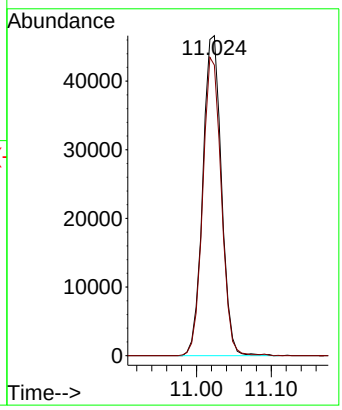
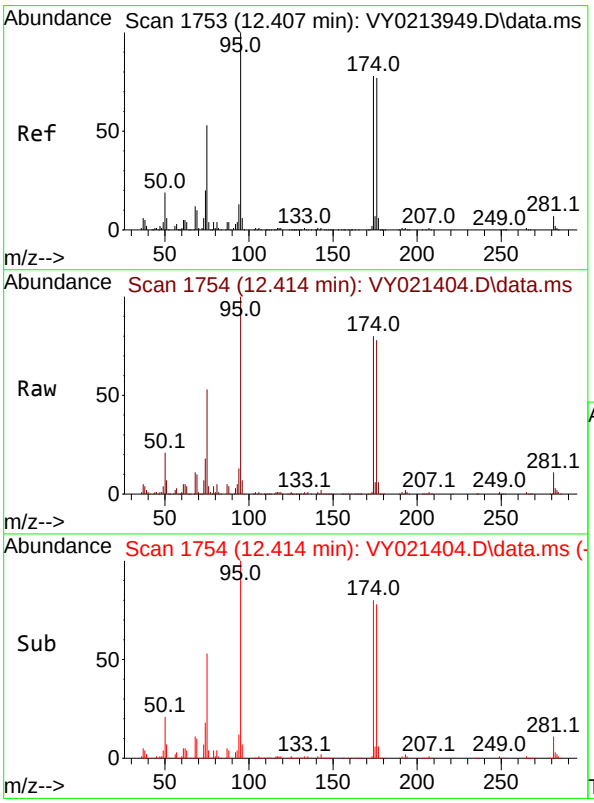
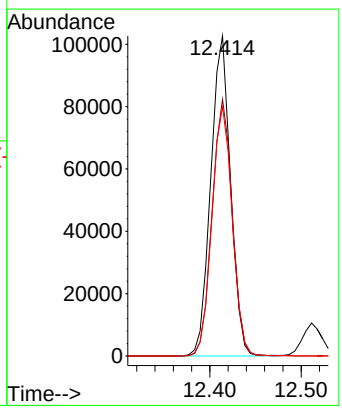


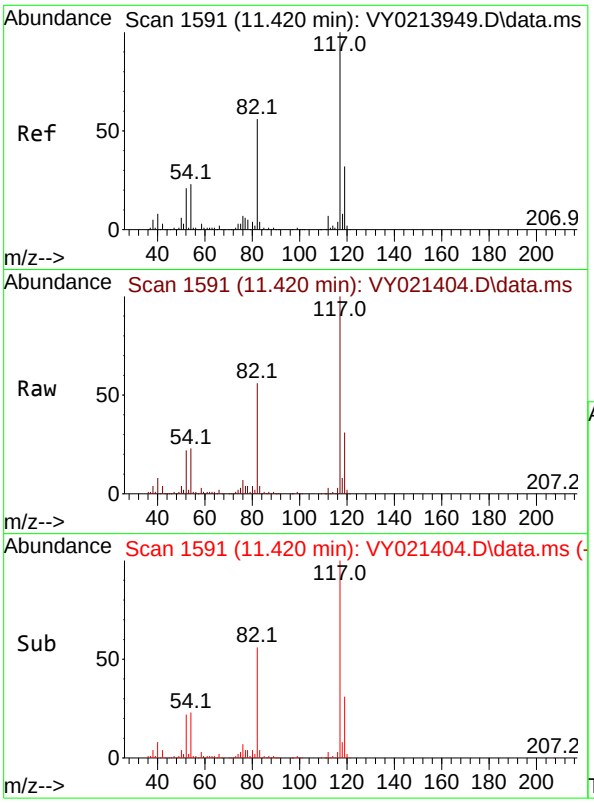


#62
4-Bromofluorobenzene
Concen: 51.560 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 95 Resp: 154333

Ion	Ratio	Lower	Upper
95	100		
174	81.9	0.0	165.0
176	80.0	0.0	160.0

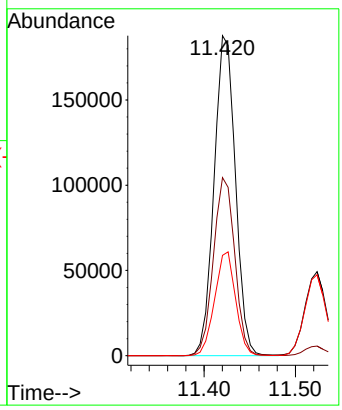




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:117 Resp: 30494

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	67.0
119	31.3	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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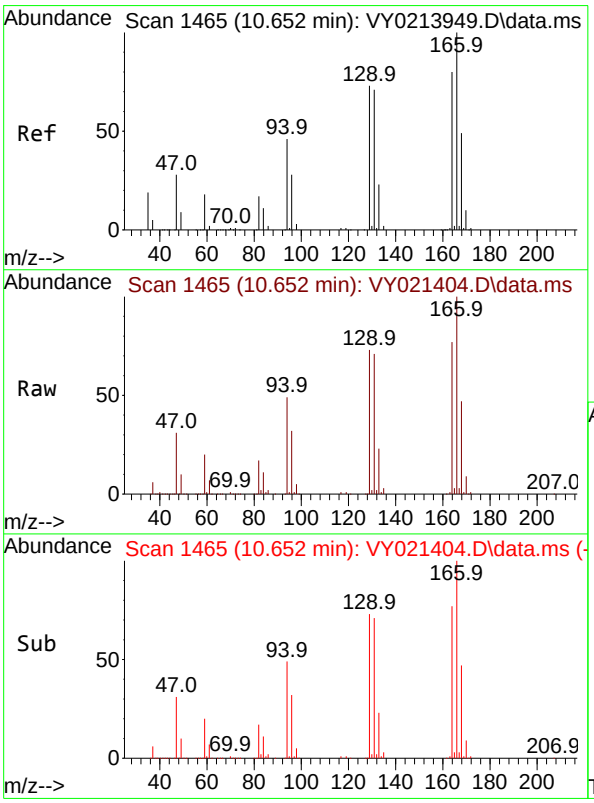
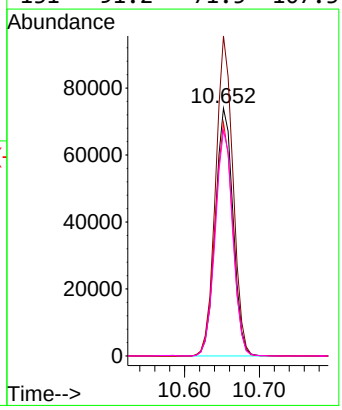
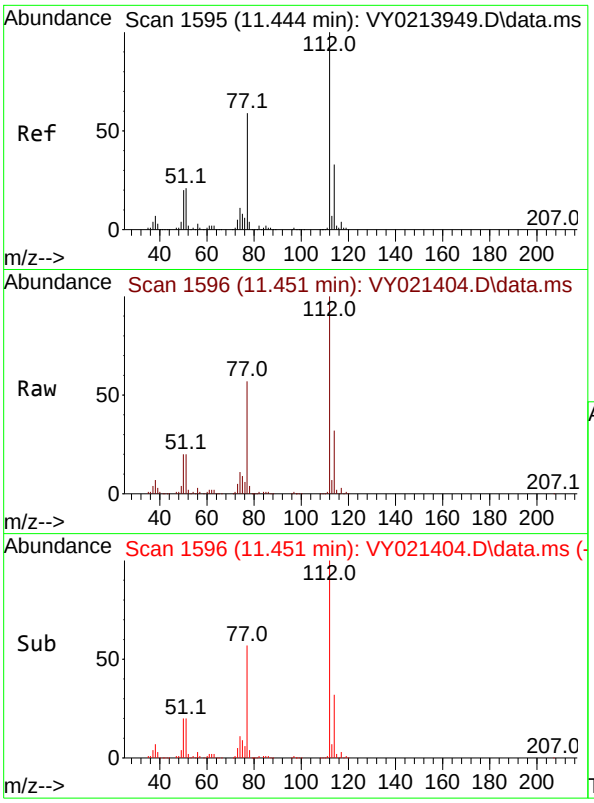


#64
Tetrachloroethene
Concen: 49.207 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:164 Resp: 122018

Ion	Ratio	Lower	Upper
164	100		
166	129.2	100.4	150.6
129	94.2	73.8	110.8
131	91.2	71.5	107.3





#65
Chlorobenzene
Concen: 48.611 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:112 Resp: 35005

Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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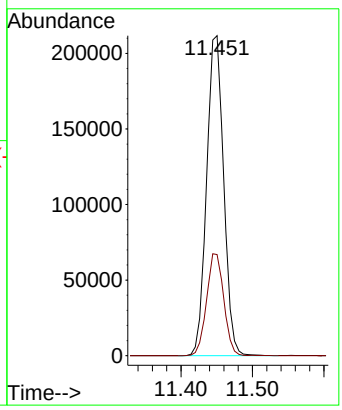
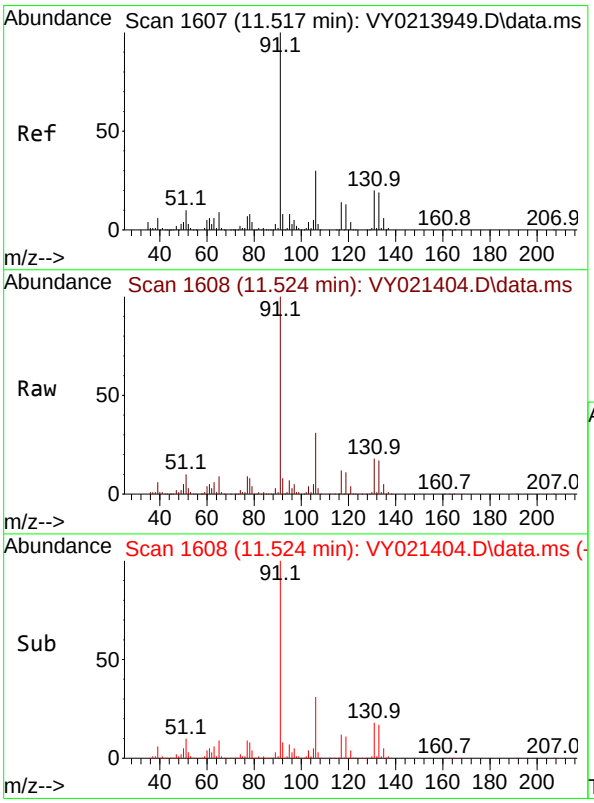
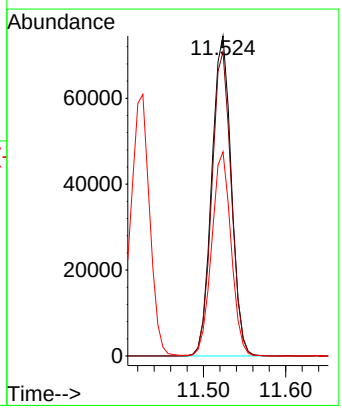


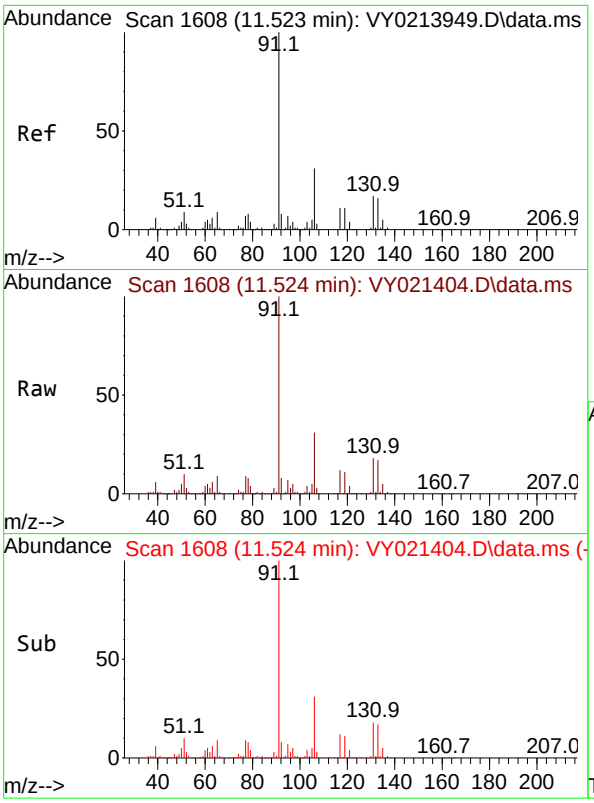


#66
1,1,1,2-Tetrachloroethane
Concen: 48.104 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:131 Resp: 122471

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.6	142.9
119	63.6	32.3	96.9





#67
Ethyl Benzene
Concen: 50.757 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 91 Resp: 64153

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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Reviewed By :Mahesh Dadoda 03/06/2025
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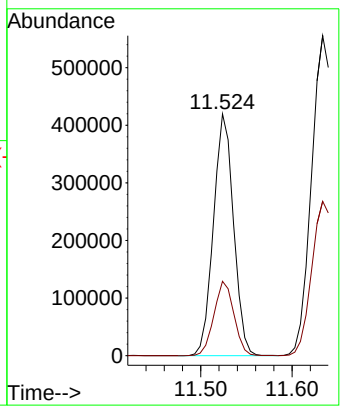
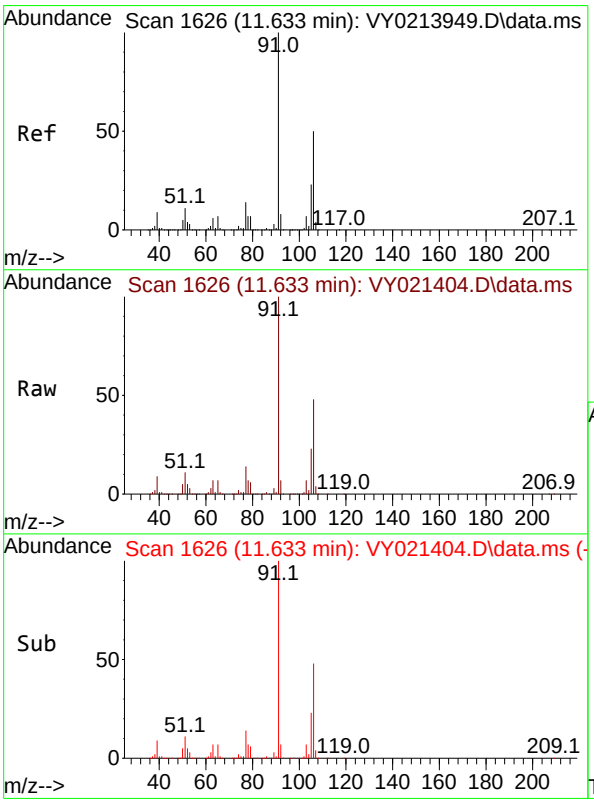
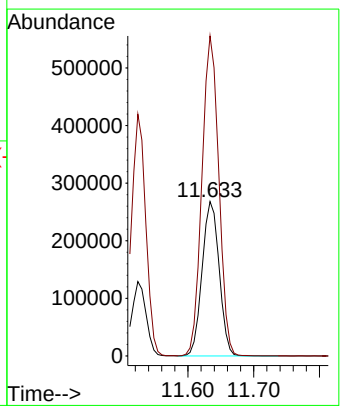


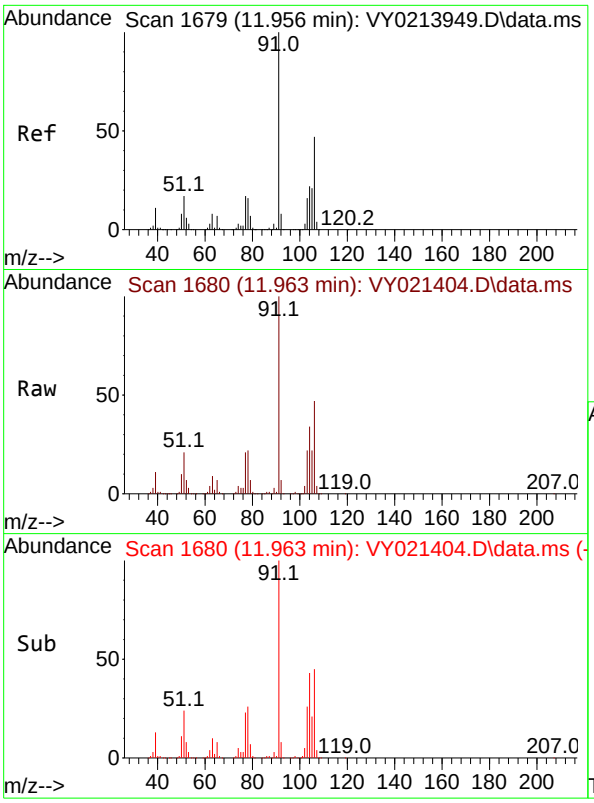


#68
m/p-Xylenes
Concen: 100.830 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:106 Resp: 483835

Ion	Ratio	Lower	Upper
106	100		
91	204.9	161.7	242.5





#69
o-Xylene
Concen: 51.096 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:106 Resp: 22597

Ion	Ratio	Lower	Upper
106	100		
91	213.6	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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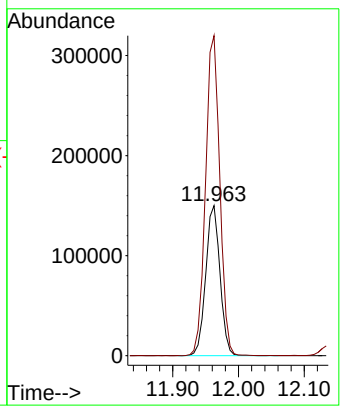
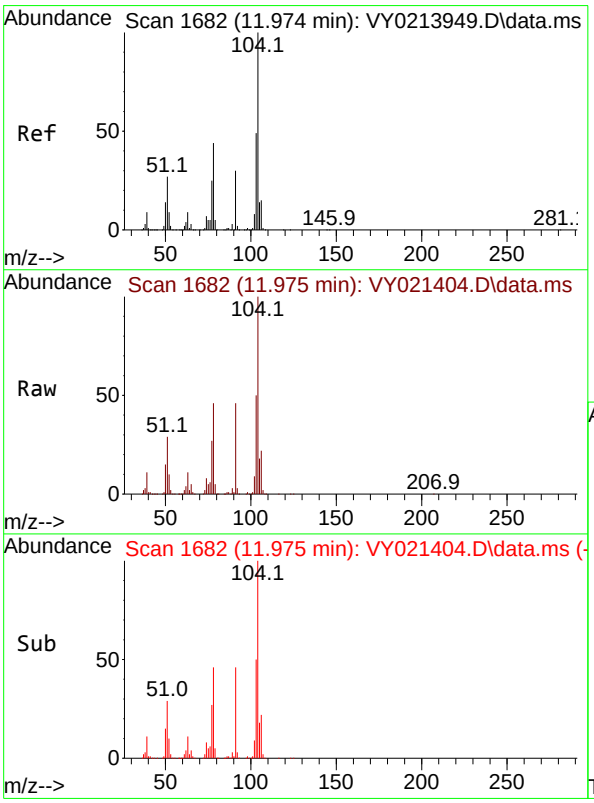
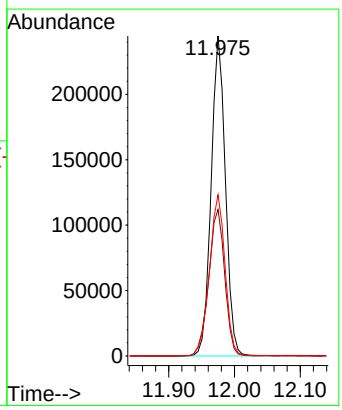


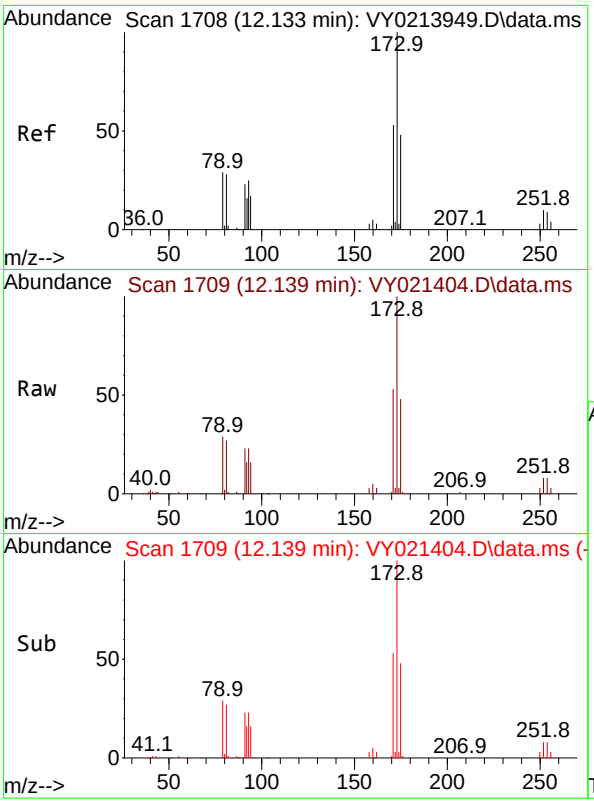


#70
Styrene
Concen: 50.400 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:104 Resp: 369770

Ion	Ratio	Lower	Upper
104	100		
78	51.2	40.7	61.1
103	55.3	44.1	66.1

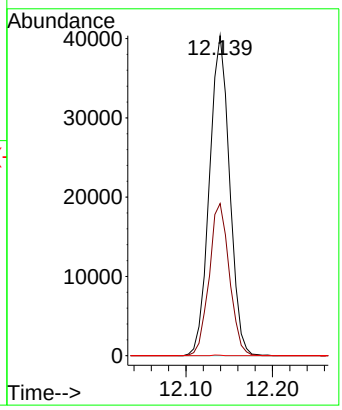




#71
Bromoform
Concen: 45.886 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:173 Resp: 6530

Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.9	71.7
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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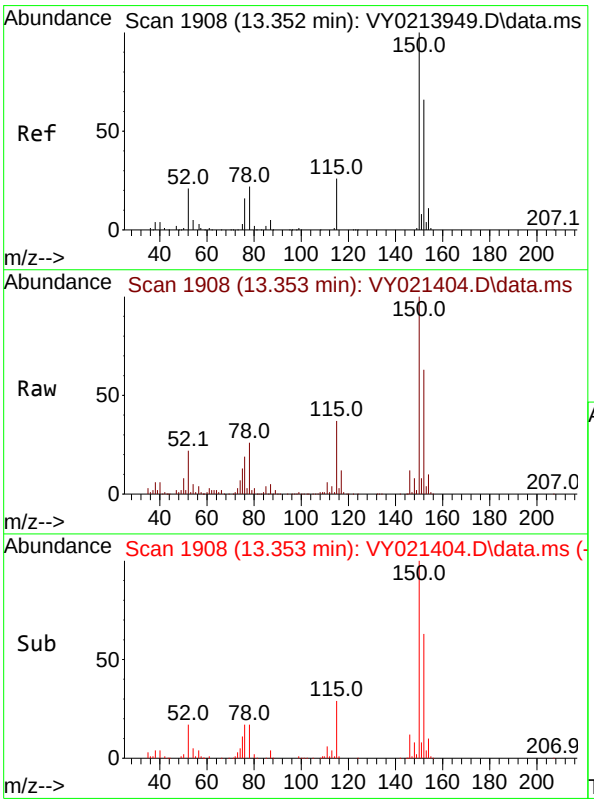
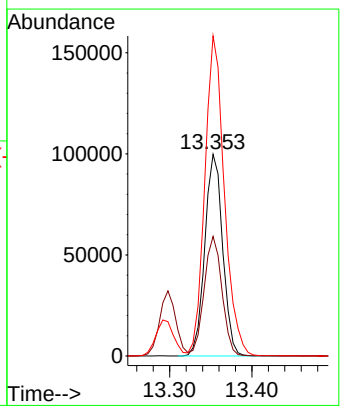
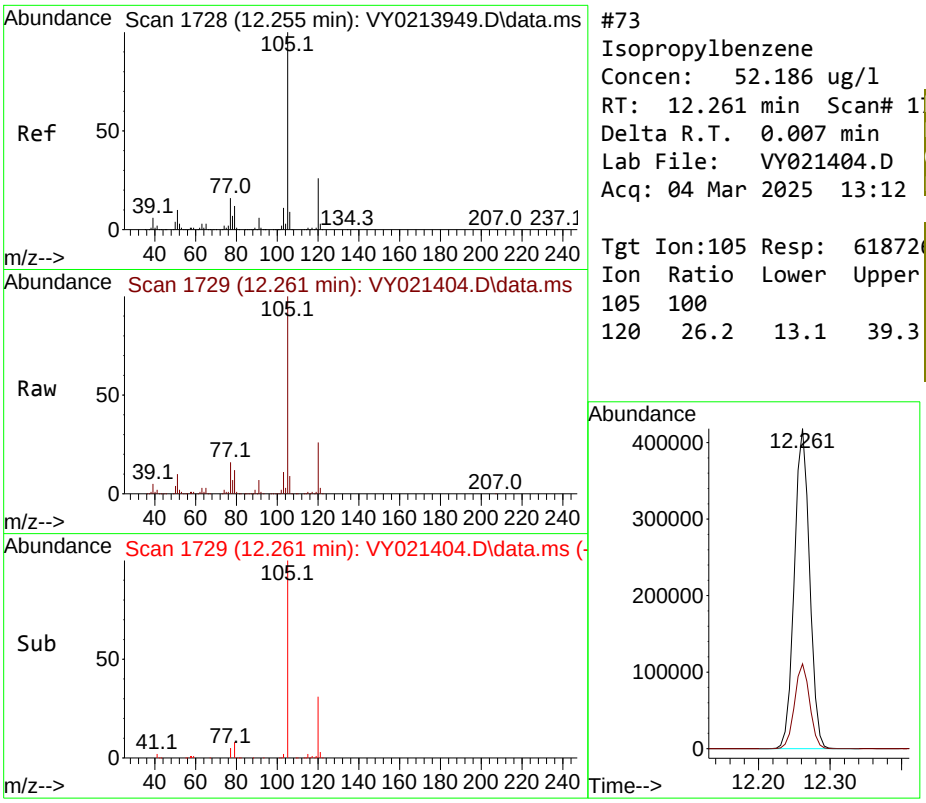


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:152 Resp: 150512

Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.0	87.0
150	172.8	0.0	347.2





#73
Isopropylbenzene
Concen: 52.186 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:105 Resp: 6187

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

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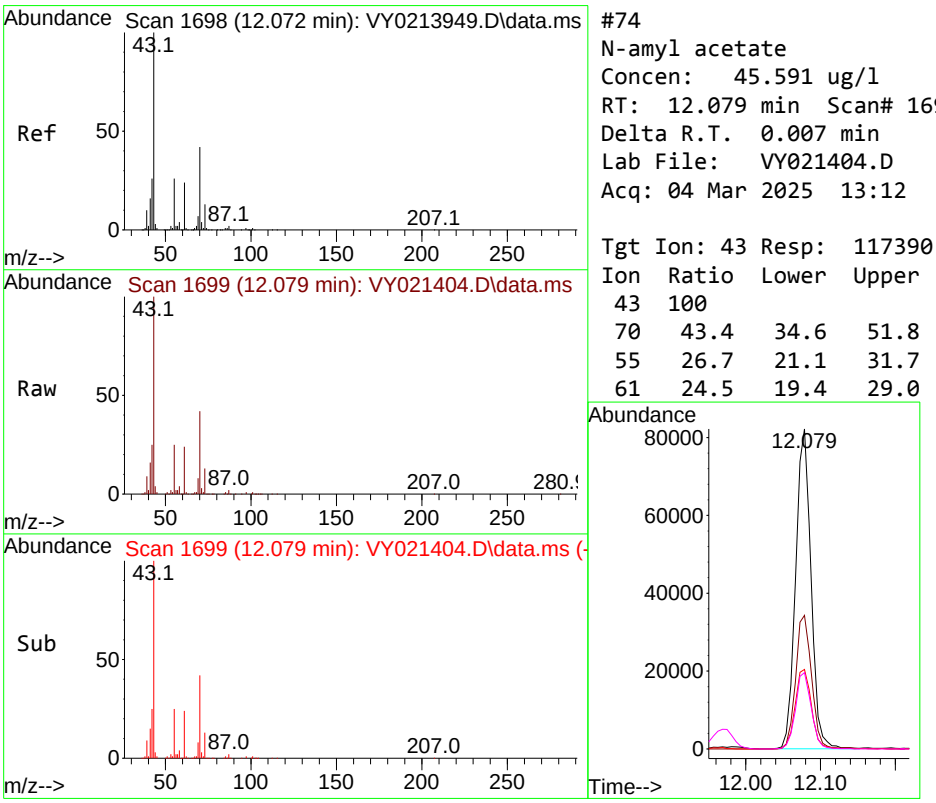
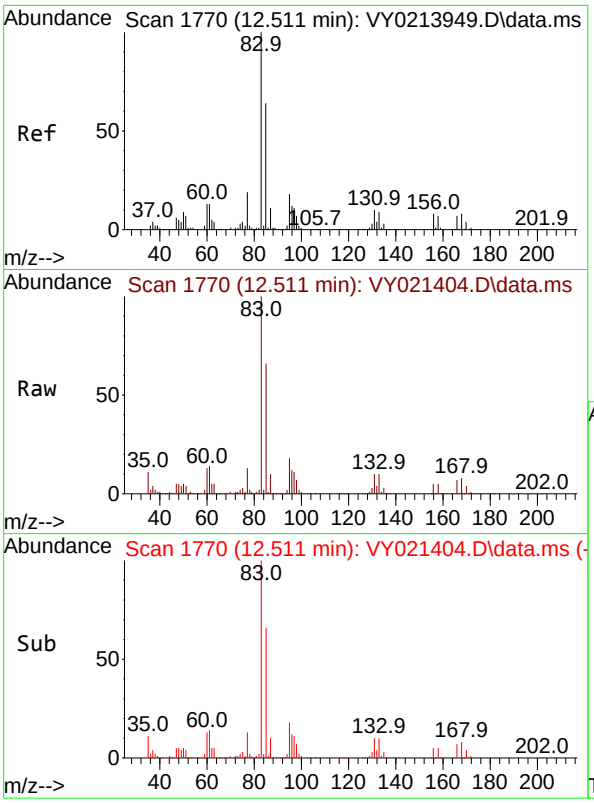


#74
N-amyl acetate
Concen: 45.591 ug/l
RT: 12.079 min Scan# 1699
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 43 Resp: 117390

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.6	51.8
55	26.7	21.1	31.7
61	24.5	19.4	29.0



#75
1,1,2,2-Tetrachloroethane
Concen: 44.086 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

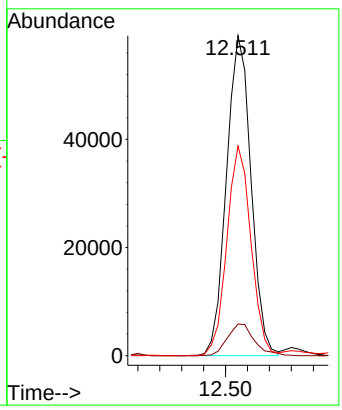
Tgt Ion: 83 Resp: 9223

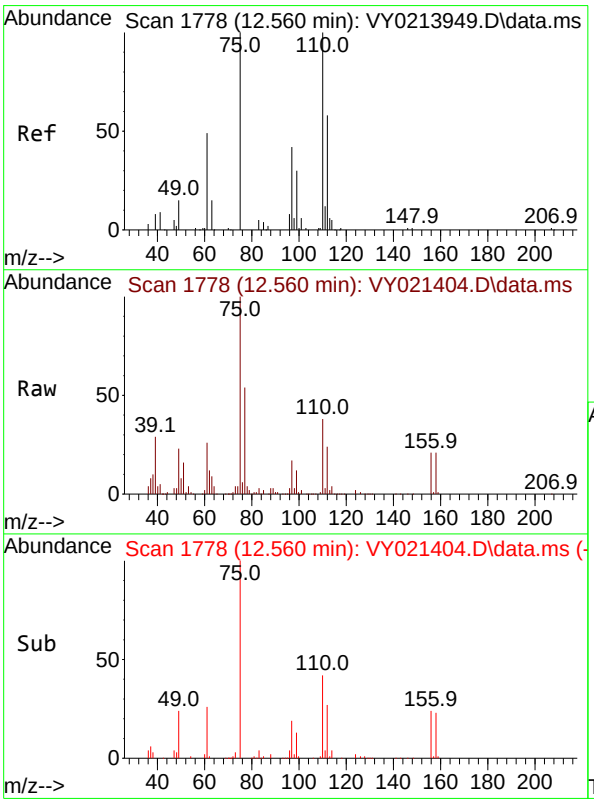
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.3	16.1
85	64.3	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

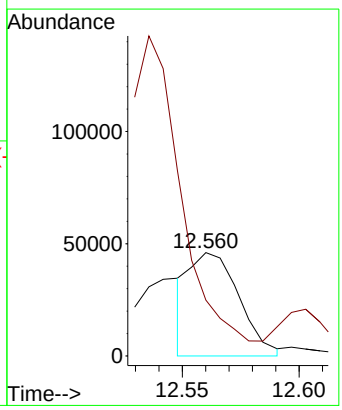


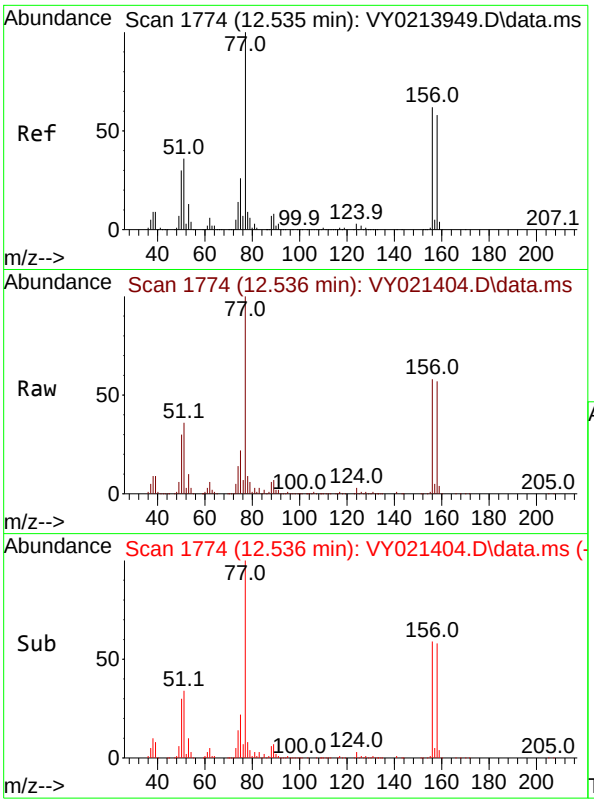


#76
1,2,3-Trichloropropane
Concen: 44.986 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 75 Resp: 68229

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 48.194 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:156 Resp: 13367

Ion	Ratio	Lower	Upper
156	100		
77	186.1	93.6	280.8
158	97.0	48.3	144.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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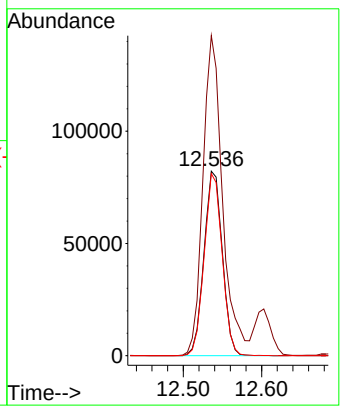
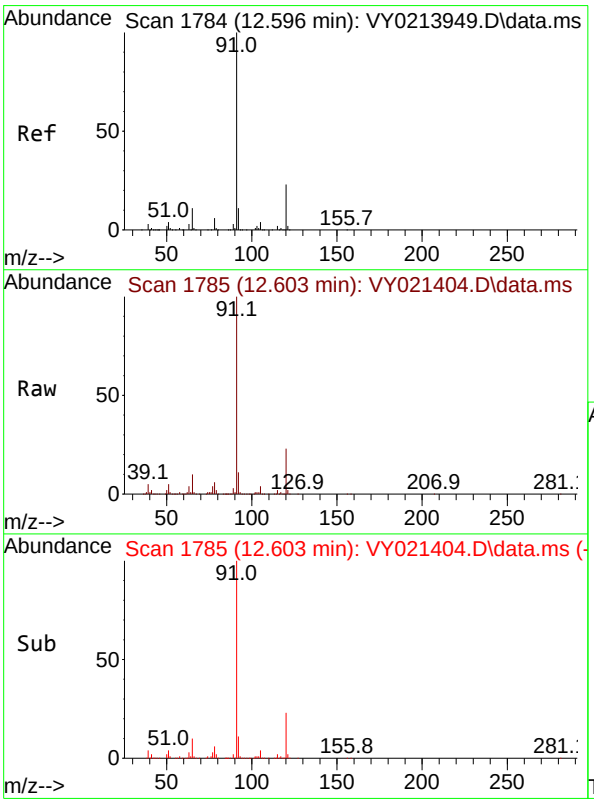
Supervised By :Semsettin Yesilyurt 03/06/2025

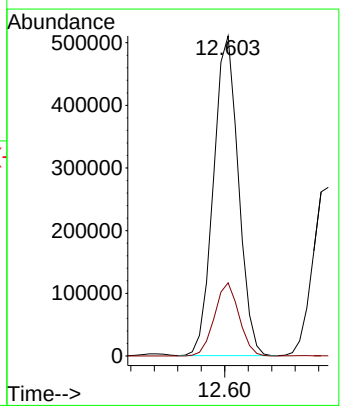


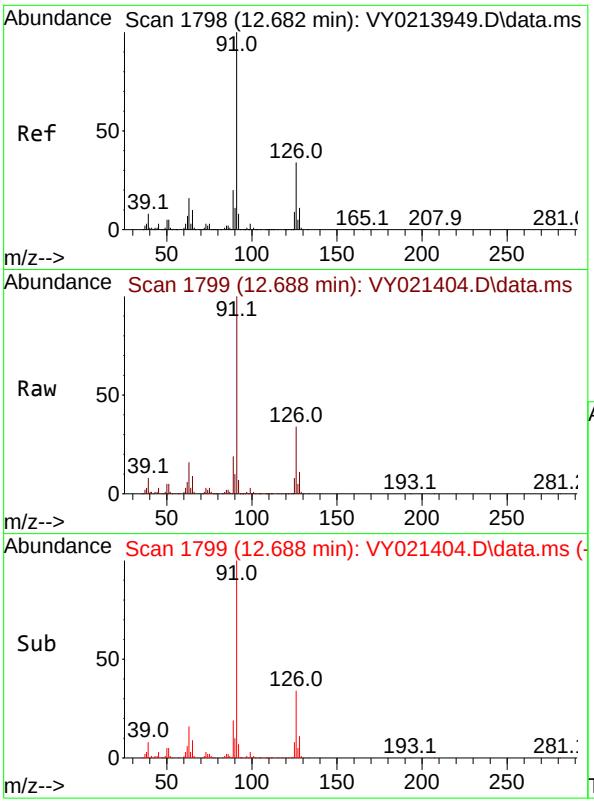


#78
n-propylbenzene
Concen: 52.233 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 91 Resp: 752110

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.8





#79
2-Chlorotoluene
Concen: 50.525 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 91 Resp: 41598

Ion	Ratio	Lower	Upper
91	100		
126	33.5	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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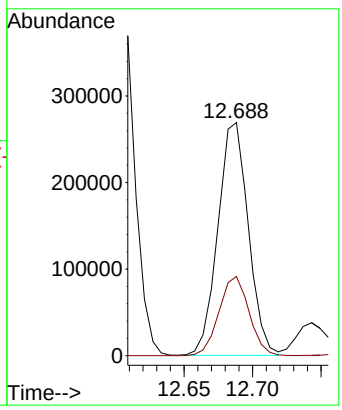
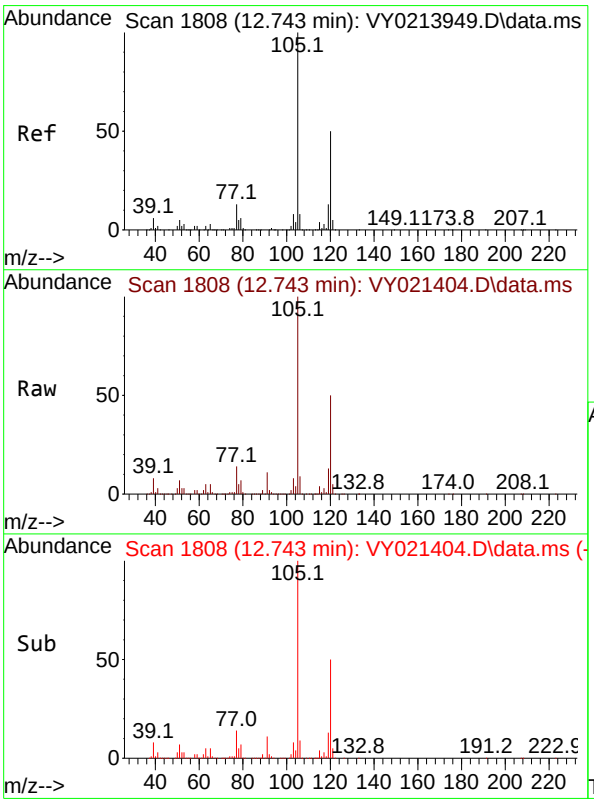
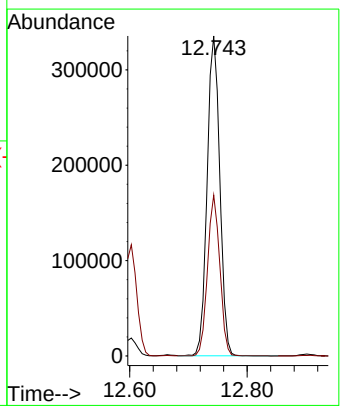


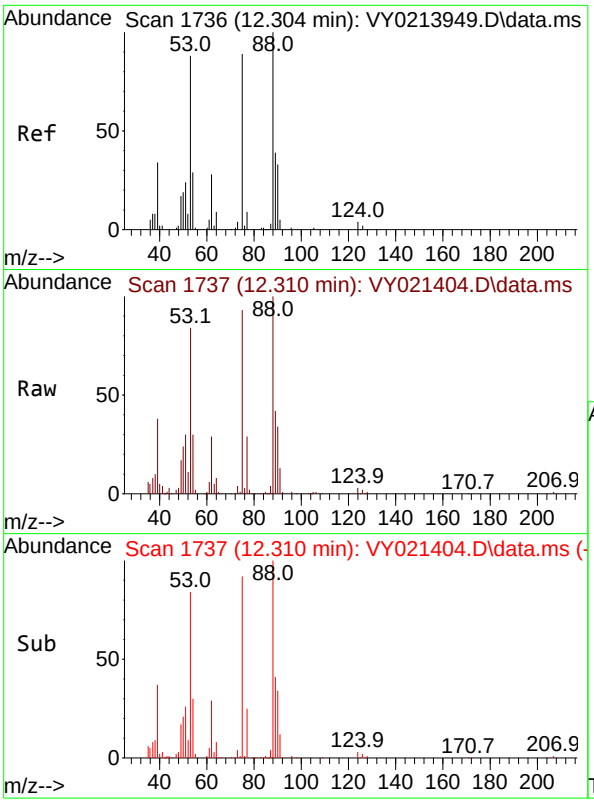


#80
1,3,5-Trimethylbenzene
Concen: 52.113 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:105 Resp: 502113

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 45.578 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 75 Resp: 3040

Ion	Ratio	Lower	Upper
75	100		
53	98.4	81.0	121.4
89	45.8	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

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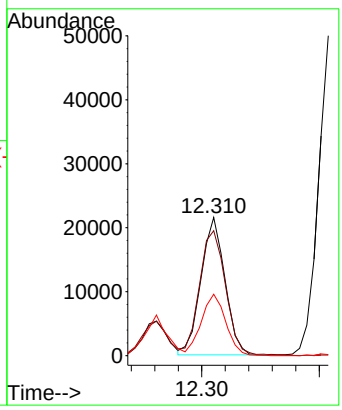
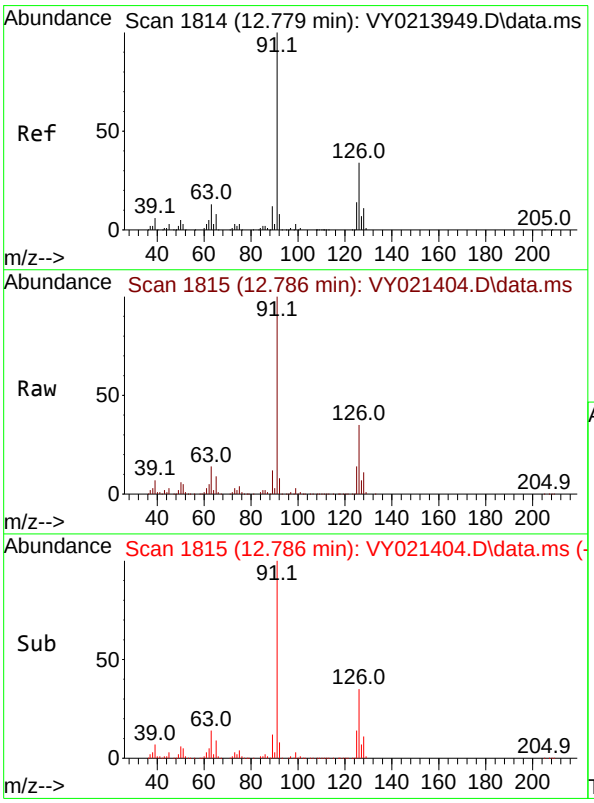
Supervised By :Semsettin Yesilyurt 03/06/2025

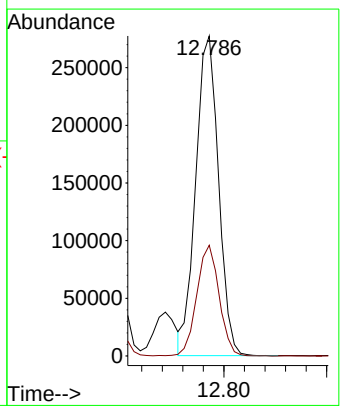


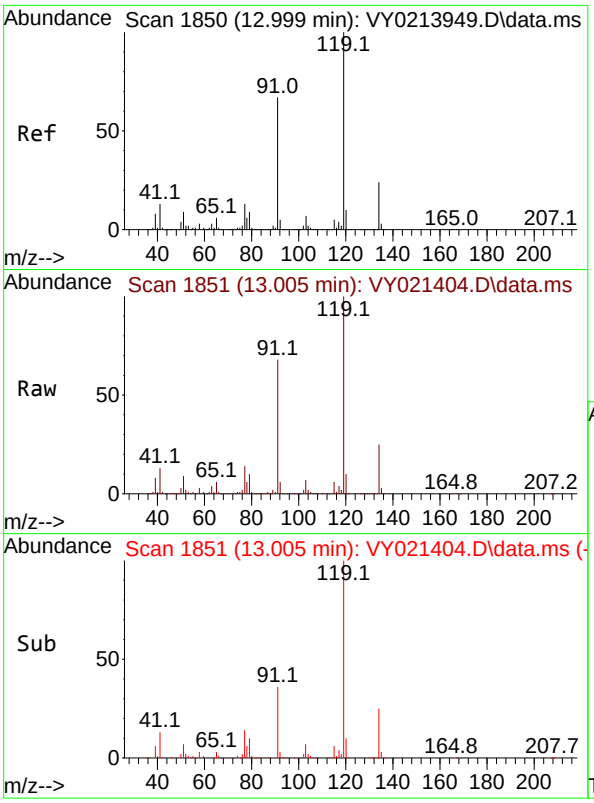


#82
4-Chlorotoluene
Concen: 50.122 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 91 Resp: 427326

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

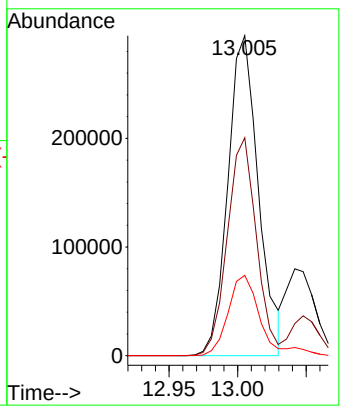




#83
tert-Butylbenzene
Concen: 53.088 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:119 Resp: 45631

Ion	Ratio	Lower	Upper
119	100		
91	64.8	33.2	99.6
134	26.7	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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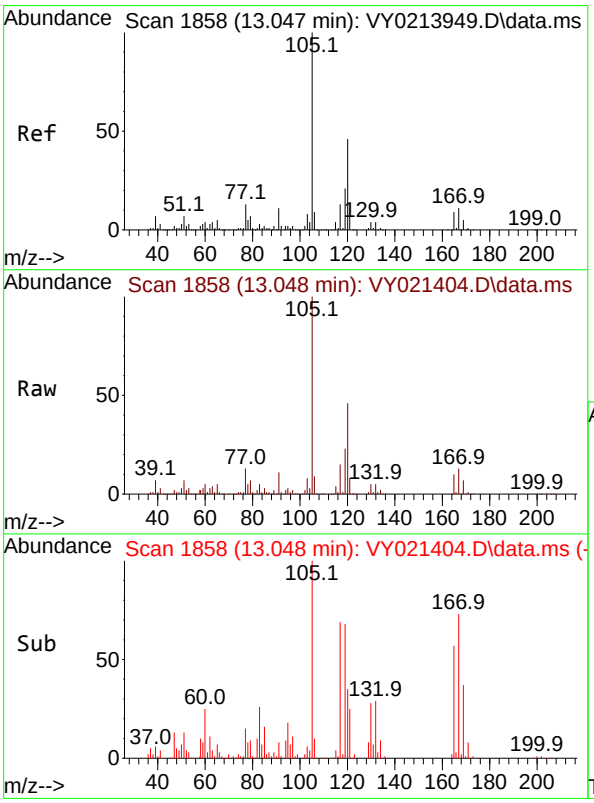
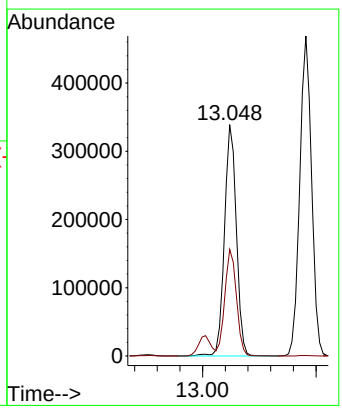
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

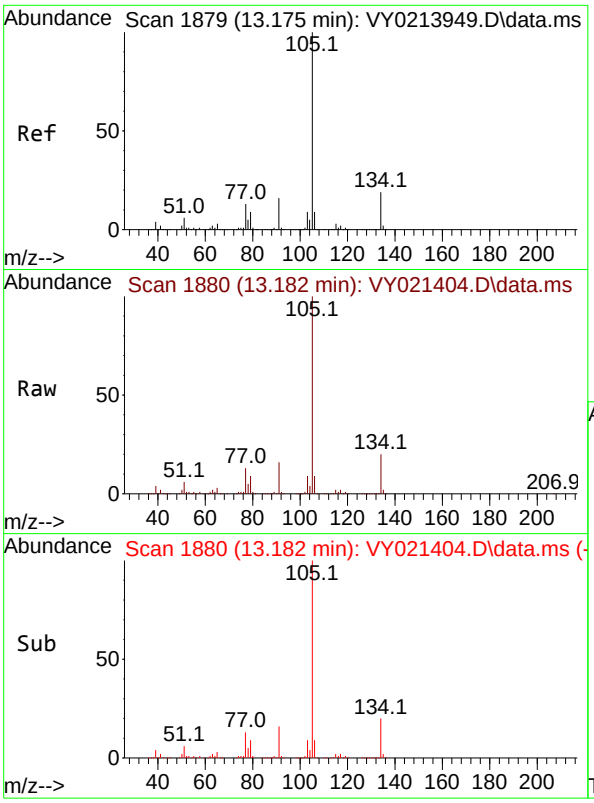


#84
1,2,4-Trimethylbenzene
Concen: 51.510 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:105 Resp: 492767

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1





#85
sec-Butylbenzene
Concen: 52.908 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

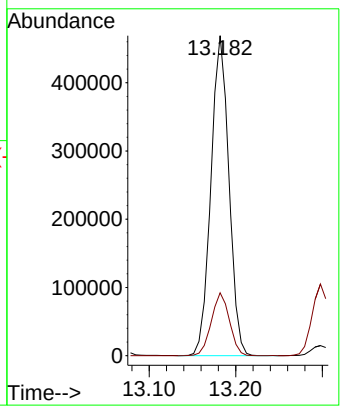
Tgt Ion:105 Resp: 67662

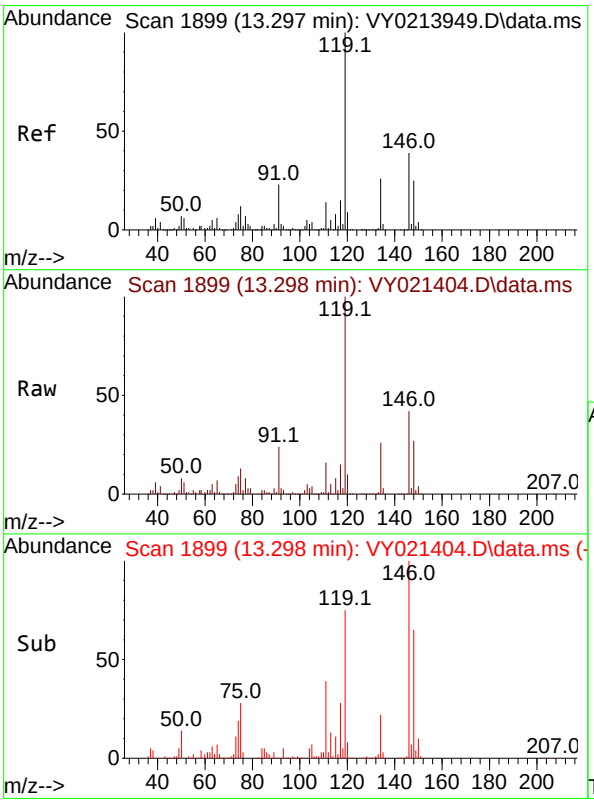
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

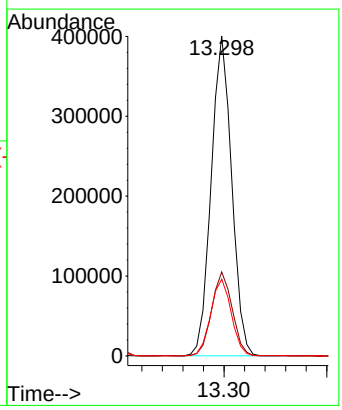


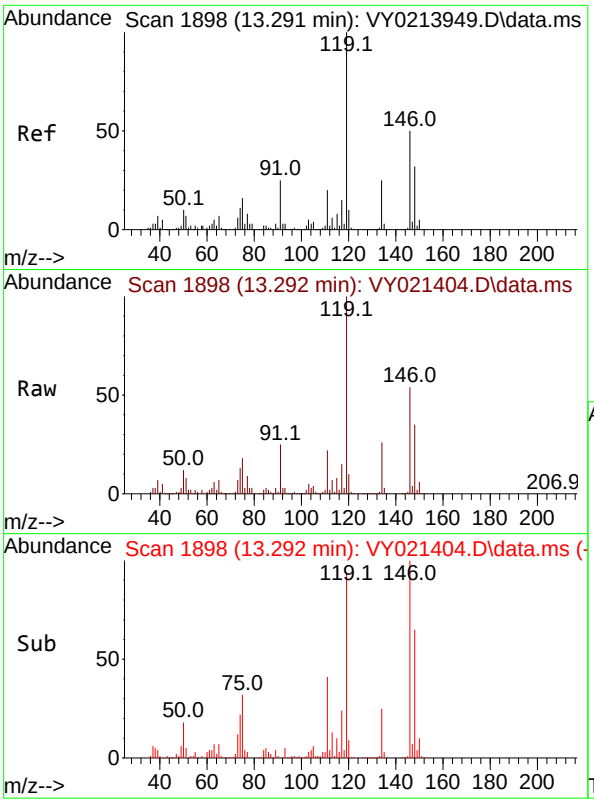


#86
p-Isopropyltoluene
Concen: 52.556 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:119 Resp: 553730

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.1	39.1
91	24.1	12.2	36.6

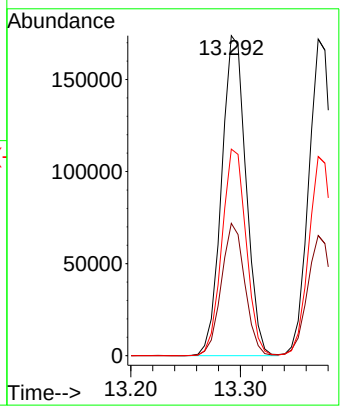




#87
1,3-Dichlorobenzene
Concen: 48.728 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:146 Resp: 26904

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.1	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

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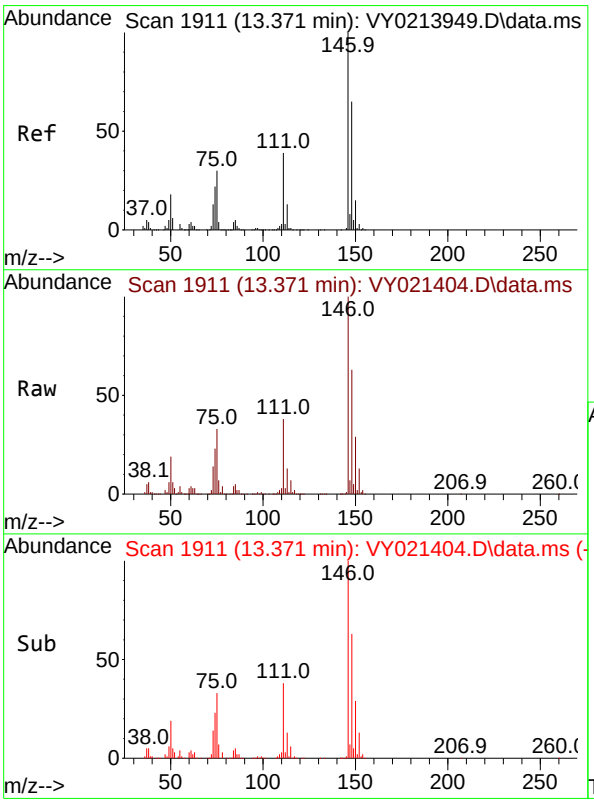
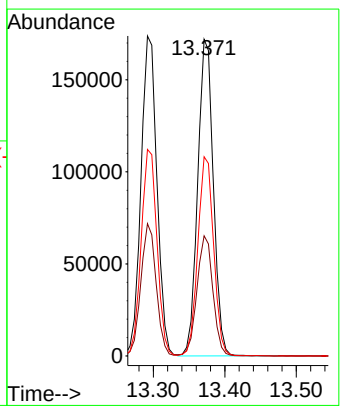
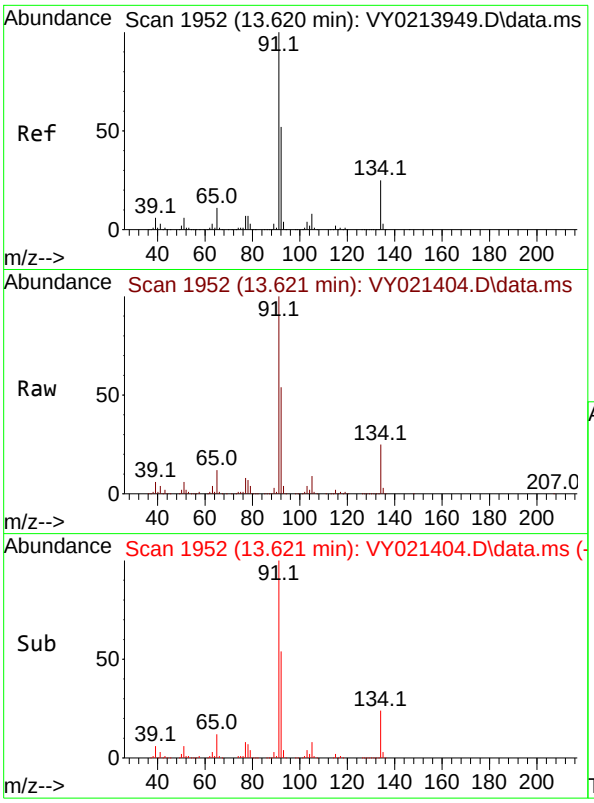


#88
1,4-Dichlorobenzene
Concen: 48.331 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:146 Resp: 260977

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	63.9	32.3	96.8





#89
n-Butylbenzene
Concen: 53.606 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 91 Resp: 52153

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.1	78.3
134	25.6	12.6	37.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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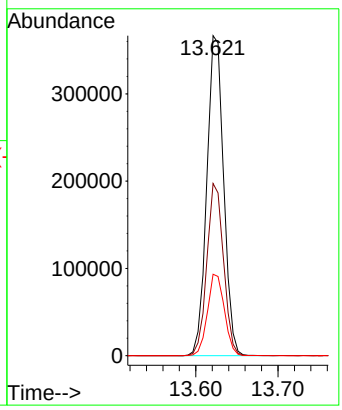
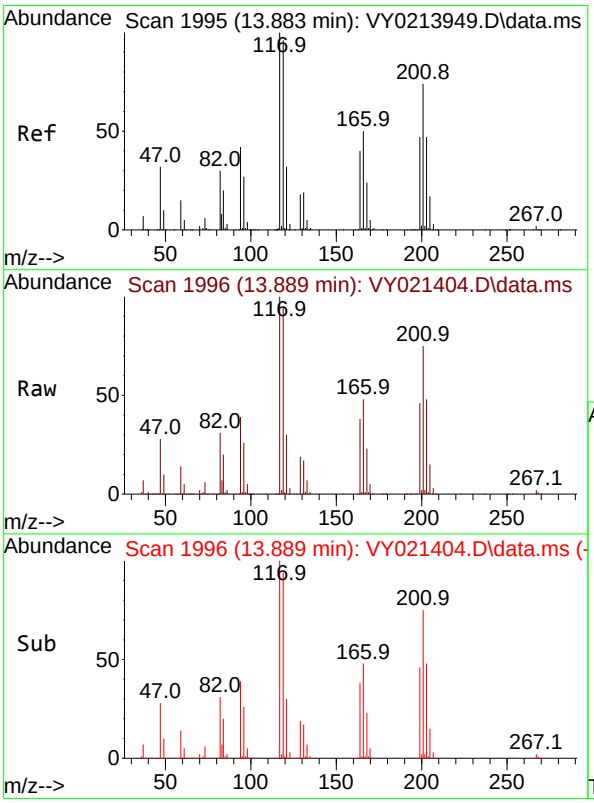
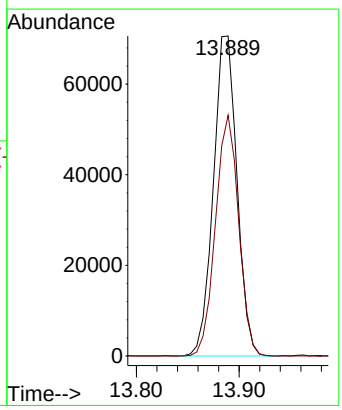


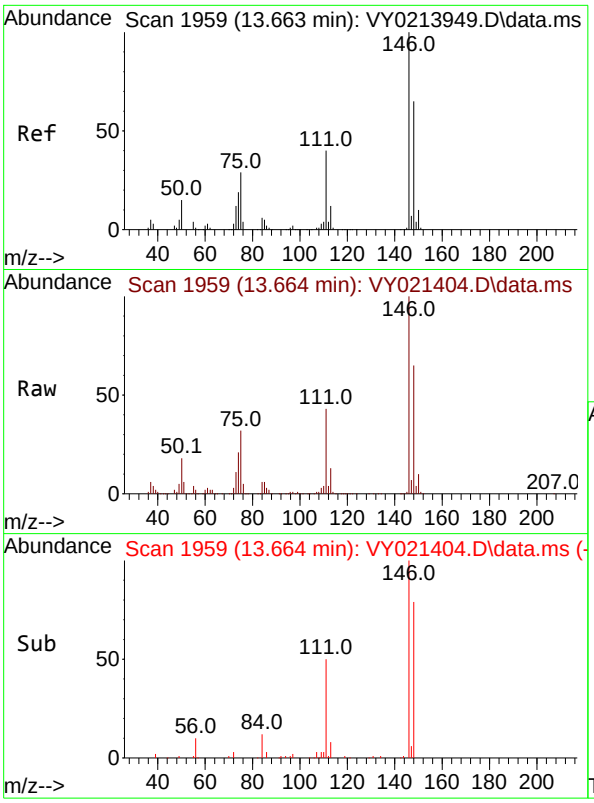


#90
Hexachloroethane
Concen: 50.084 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:117 Resp: 112571

Ion	Ratio	Lower	Upper
117	100		
201	73.7	37.4	112.2

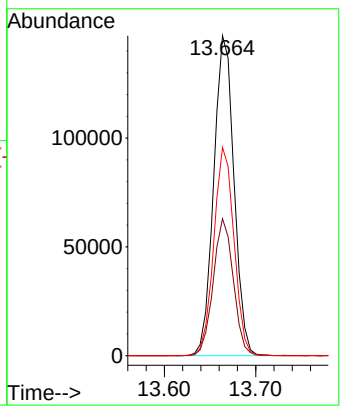




#91
1,2-Dichlorobenzene
Concen: 47.985 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:146 Resp: 22707

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.7	62.1
148	64.7	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
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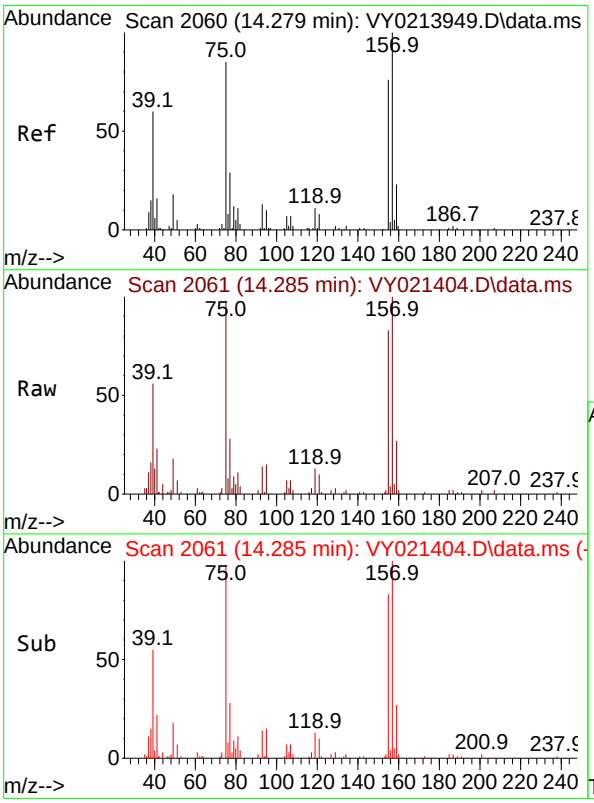
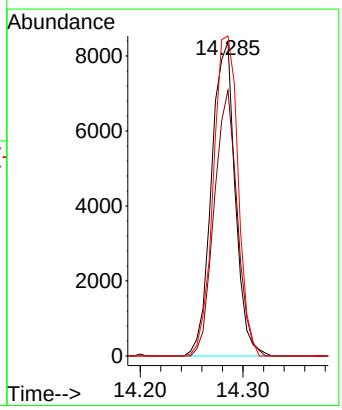
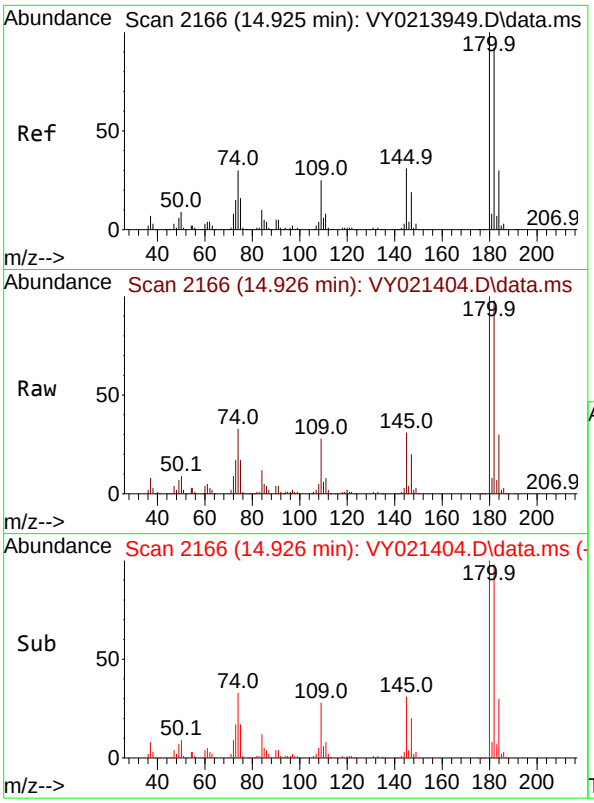


#92
1,2-Dibromo-3-Chloropropane
Concen: 42.654 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.007 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion: 75 Resp: 13368

Ion	Ratio	Lower	Upper
75	100		
155	82.4	43.5	130.5
157	106.4	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 49.388 ug/l
RT: 14.926 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:180 Resp: 12765

Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.7	140.0
145	30.9	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
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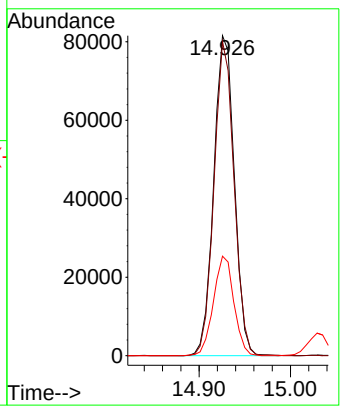
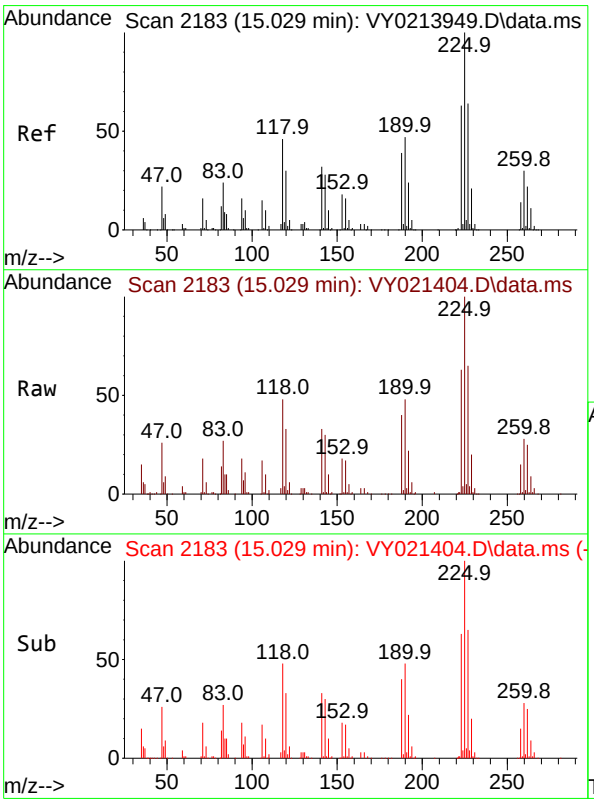
Supervised By :Semsettin Yesilyurt 03/06/2025

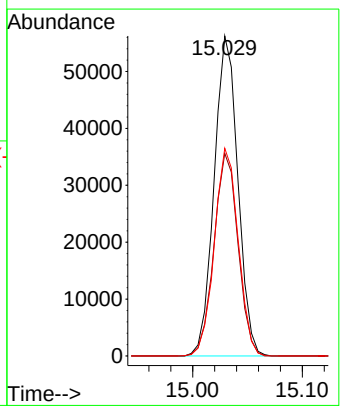


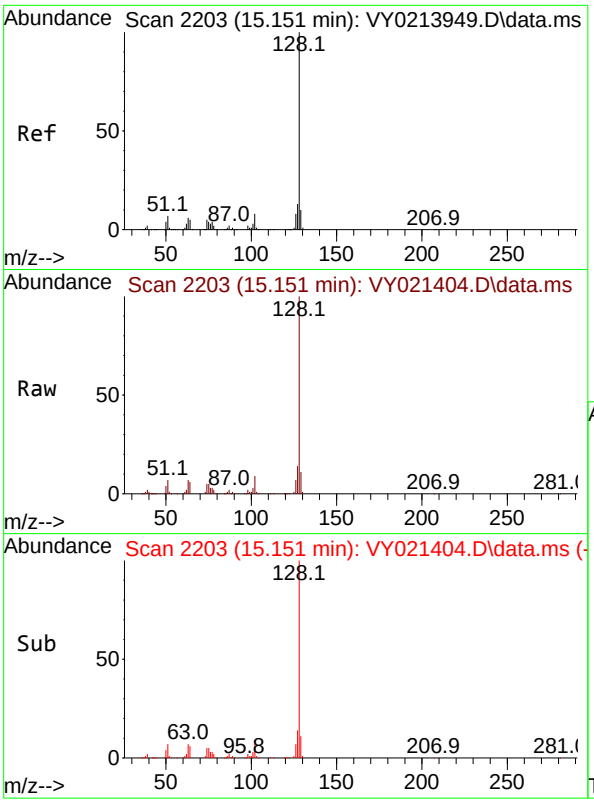


#94
Hexachlorobutadiene
Concen: 52.186 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:225 Resp: 84554

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.4	94.2
227	65.2	31.8	95.4

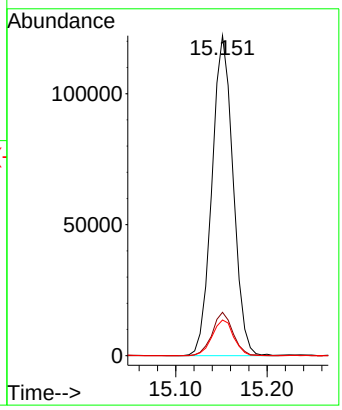




#95
Naphthalene
Concen: 45.480 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:128 Resp: 19634

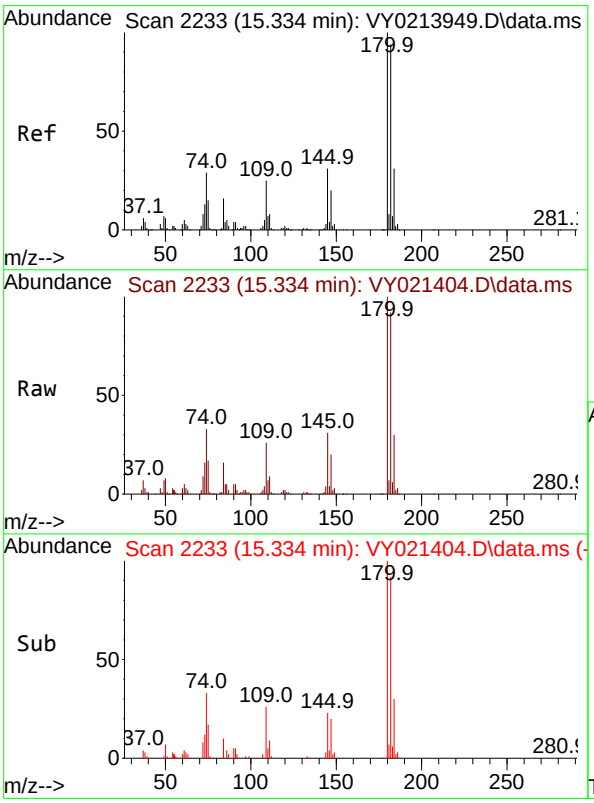
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.3	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Manual Integrations
APPROVED

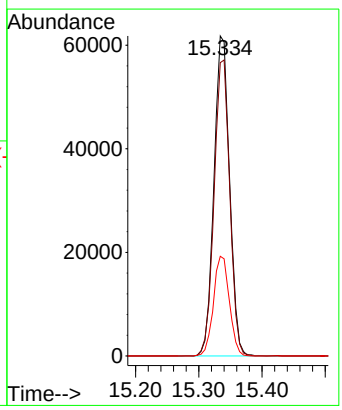
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.639 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021404.D
Acq: 04 Mar 2025 13:12

Tgt Ion:180 Resp: 105737

Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.2	141.6
145	31.8	16.4	49.1



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.459	0.432	5.9	93	0.00
3	P	Chloromethane	0.647	0.635	1.9	99	0.00
4	C	Vinyl Chloride	0.707	0.710	-0.4#	99	0.00
5	T	Bromomethane	0.511	0.473	7.4	98	0.00
6	T	Chloroethane	0.467	0.457	2.1	96	0.00
7	T	Trichlorofluoromethane	0.987	0.967	2.0	97	0.00
8	T	Diethyl Ether	0.273	0.250	8.4	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.563	0.542	3.7	97	0.00
10	T	Methyl Iodide	0.573	0.554	3.3	85	0.00
11	T	Tert butyl alcohol	0.041	0.030	26.8#	75	0.00
12	CM	1,1-Dichloroethene	0.514	0.508	1.2#	97	0.00
13	T	Acrolein	0.027	0.005	81.5#	103	0.00
14	T	Allyl chloride	0.830	0.838	-1.0	96	0.00
15	T	Acrylonitrile	0.116	0.102	12.1	79	0.00
16	T	Acetone	0.115	0.111	3.5	80	0.00
17	T	Carbon Disulfide	1.610	1.625	-0.9	96	0.00
18	T	Methyl Acetate	0.256	0.228	10.9	77	0.00
19	T	Methyl tert-butyl Ether	1.302	1.178	9.5	83	0.00
20	T	Methylene Chloride	0.605	0.531	12.2	93	0.00
21	T	trans-1,2-Dichloroethene	0.575	0.553	3.8	95	0.00
22	T	Diisopropyl ether	1.789	1.729	3.4	90	0.00
23	T	Vinyl Acetate	1.021	0.955	6.5	83	0.00
24	P	1,1-Dichloroethane	1.056	1.019	3.5	94	0.00
25	T	2-Butanone	0.159	0.142	10.7	76	0.00
26	T	2,2-Dichloropropane	0.971	0.944	2.8	97	0.00
27	T	cis-1,2-Dichloroethene	0.653	0.634	2.9	94	0.00
28	T	Bromochloromethane	0.443	0.497	-12.2	103	0.00
29	T	Tetrahydrofuran	0.098	0.084	14.3	74	0.00
30	C	Chloroform	1.096	1.047	4.5#	93	0.00
31	T	Cyclohexane	0.990	0.945	4.5	97	0.00
32	T	1,1,1-Trichloroethane	1.004	0.978	2.6	97	0.00
33	S	1,2-Dichloroethane-d4	0.528	0.527	0.2	106	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.329	0.335	-1.8	111	0.00
36	T	1,1-Dichloropropene	0.514	0.503	2.1	95	0.00
37	T	Ethyl Acetate	0.227	0.196	13.7	78	0.00
38	T	Carbon Tetrachloride	0.592	0.577	2.5	97	0.00
39	T	Methylcyclohexane	0.631	0.653	-3.5	98	0.00
40	TM	Benzene	1.515	1.471	2.9	94	0.00
41	T	Methacrylonitrile	0.124	0.129	-4.0	96	0.03
42	TM	1,2-Dichloroethane	0.424	0.385	9.2	87	0.00
43	T	Isopropyl Acetate	0.441	0.380	13.8	77	0.00
44	TM	Trichloroethene	0.383	0.370	3.4	95	0.00
45	C	1,2-Dichloropropane	0.361	0.341	5.5#	91	0.00
46	T	Dibromomethane	0.201	0.182	9.5	84	0.00
47	T	Bromodichloromethane	0.533	0.498	6.6	89	0.00
48	T	Methyl methacrylate	0.203	0.185	8.9	79	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	75	0.00
50	S	Toluene-d8	1.244	1.326	-6.6	115	0.00
51	T	4-Methyl-2-Pentanone	0.228	0.197	13.6	74	0.00
52	CM	Toluene	0.955	0.946	0.9#	94	0.00
53	T	t-1,3-Dichloropropene	0.470	0.444	5.5	87	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.538	3.4	90	0.00
55	T	1,1,2-Trichloroethane	0.263	0.235	10.6	82	0.00
56	T	Ethyl methacrylate	0.335	0.310	7.5	79	0.00
57	T	1,3-Dichloropropane	0.455	0.420	7.7	86	0.00
58	T	2-Chloroethyl Vinyl ether	0.155	0.153	1.3	86	0.00
59	T	2-Hexanone	0.151	0.135	10.6	73	0.00
60	T	Dibromochloromethane	0.360	0.333	7.5	87	0.00
61	T	1,2-Dibromoethane	0.248	0.228	8.1	85	0.00
62	S	4-Bromofluorobenzene	0.423	0.436	-3.1	111	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.407	0.400	1.7	94	0.00
65	PM	Chlorobenzene	1.181	1.148	2.8	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.417	0.402	3.6	91	0.00
67	C	Ethyl Benzene	2.072	2.104	-1.5#	94	0.00
68	T	m/p-Xylenes	0.787	0.793	-0.8	92	0.00
69	T	o-Xylene	0.725	0.741	-2.2	93	0.00
70	T	Styrene	1.203	1.213	-0.8	90	0.00
71	P	Bromoform	0.233	0.214	8.2	81	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.939	4.111	-4.4	94	0.00
74	T	N-amyl acetate	0.855	0.780	8.8	76	0.00
75	P	1,1,2,2-Tetrachloroethane	0.695	0.613	11.8	78	0.00
76	T	1,2,3-Trichloropropane	0.504	0.453	10.1	85	0.00
77	T	Bromobenzene	0.921	0.888	3.6	89	0.00
78	T	n-propylbenzene	4.783	4.997	-4.5	94	0.00
79	T	2-Chlorotoluene	2.735	2.764	-1.1	93	0.00
80	T	1,3,5-Trimethylbenzene	3.201	3.336	-4.2	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.222	0.202	9.0	79	0.00
82	T	4-Chlorotoluene	2.832	2.839	-0.2	92	0.00
83	T	tert-Butylbenzene	2.855	3.032	-6.2	96	0.00
84	T	1,2,4-Trimethylbenzene	3.178	3.274	-3.0	93	0.00
85	T	sec-Butylbenzene	4.248	4.495	-5.8	96	0.00
86	T	p-Isopropyltoluene	3.500	3.679	-5.1	95	0.00
87	T	1,3-Dichlorobenzene	1.834	1.788	2.5	91	0.00
88	T	1,4-Dichlorobenzene	1.794	1.734	3.3	90	0.00
89	T	n-Butylbenzene	3.232	3.465	-7.2	95	0.00
90	T	Hexachloroethane	0.747	0.748	-0.1	95	0.00
91	T	1,2-Dichlorobenzene	1.572	1.509	4.0	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.104	0.089	14.4	76	0.00
93	T	1,2,4-Trichlorobenzene	0.859	0.848	1.3	86	0.00
94	T	Hexachlorobutadiene	0.538	0.562	-4.5	94	0.00
95	T	Naphthalene	1.390	1.305	6.1	77	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.722	0.703	2.6	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	47.113	5.8	93	0.00
3	P	Chloromethane	50.000	49.075	1.8	99	0.00
4	C	Vinyl Chloride	50.000	50.231	-0.5#	99	0.00
5	T	Bromomethane	50.000	46.283	7.4	98	0.00
6	T	Chloroethane	50.000	48.912	2.2	96	0.00
7	T	Trichlorofluoromethane	50.000	49.011	2.0	97	0.00
8	T	Diethyl Ether	50.000	45.628	8.7	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.142	3.7	97	0.00
10	T	Methyl Iodide	50.000	48.336	3.3	85	0.00
11	T	Tert butyl alcohol	250.000	211.206	15.5	75	0.00
12	CM	1,1-Dichloroethene	50.000	49.424	1.2#	97	0.00
13	T	Acrolein	250.000	45.035	82.0#	103	0.00
14	T	Allyl chloride	50.000	50.500	-1.0	96	0.00
15	T	Acrylonitrile	250.000	218.213	12.7	79	0.00
16	T	Acetone	250.000	241.068	3.6	80	0.00
17	T	Carbon Disulfide	50.000	50.464	-0.9	96	0.00
18	T	Methyl Acetate	50.000	44.501	11.0	77	0.00
19	T	Methyl tert-butyl Ether	50.000	45.249	9.5	83	0.00
20	T	Methylene Chloride	50.000	43.913	12.2	93	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.065	3.9	95	0.00
22	T	Diisopropyl ether	50.000	48.325	3.3	90	0.00
23	T	Vinyl Acetate	250.000	233.756	6.5	83	0.00
24	P	1,1-Dichloroethane	50.000	48.243	3.5	94	0.00
25	T	2-Butanone	250.000	222.145	11.1	76	0.00
26	T	2,2-Dichloropropane	50.000	48.615	2.8	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.506	3.0	94	0.00
28	T	Bromochloromethane	50.000	56.200	-12.4	103	0.00
29	T	Tetrahydrofuran	250.000	214.177	14.3	74	0.00
30	C	Chloroform	50.000	47.758	4.5#	93	0.00
31	T	Cyclohexane	50.000	47.720	4.6	97	0.00
32	T	1,1,1-Trichloroethane	50.000	48.703	2.6	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.828	0.3	106	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	50.894	-1.8	111	0.00
36	T	1,1-Dichloropropene	50.000	48.866	2.3	95	0.00
37	T	Ethyl Acetate	50.000	43.078	13.8	78	0.00
38	T	Carbon Tetrachloride	50.000	48.800	2.4	97	0.00
39	T	Methylcyclohexane	50.000	51.724	-3.4	98	0.00
40	TM	Benzene	50.000	48.542	2.9	94	0.00
41	T	Methacrylonitrile	50.000	51.920	-3.8	96	0.03
42	TM	1,2-Dichloroethane	50.000	45.393	9.2	87	0.00
43	T	Isopropyl Acetate	50.000	43.036	13.9	77	0.00
44	TM	Trichloroethene	50.000	48.321	3.4	95	0.00
45	C	1,2-Dichloropropane	50.000	47.287	5.4#	91	0.00
46	T	Dibromomethane	50.000	45.413	9.2	84	0.00
47	T	Bromodichloromethane	50.000	46.755	6.5	89	0.00
48	T	Methyl methacrylate	50.000	45.652	8.7	79	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	874.634	12.5	75	0.00
50	S	Toluene-d8	50.000	53.263	-6.5	115	0.00
51	T	4-Methyl-2-Pentanone	250.000	216.781	13.3	74	0.00
52	CM	Toluene	50.000	49.486	1.0#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	47.312	5.4	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.236	3.5	90	0.00
55	T	1,1,2-Trichloroethane	50.000	44.786	10.4	82	0.00
56	T	Ethyl methacrylate	50.000	46.305	7.4	79	0.00
57	T	1,3-Dichloropropane	50.000	46.108	7.8	86	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	247.869	0.9	86	0.00
59	T	2-Hexanone	250.000	224.350	10.3	73	0.00
60	T	Dibromochloromethane	50.000	46.278	7.4	87	0.00
61	T	1,2-Dibromoethane	50.000	45.932	8.1	85	0.00
62	S	4-Bromofluorobenzene	50.000	51.560	-3.1	111	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	49.207	1.6	94	0.00
65	PM	Chlorobenzene	50.000	48.611	2.8	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.104	3.8	91	0.00
67	C	Ethyl Benzene	50.000	50.757	-1.5#	94	0.00
68	T	m/p-Xylenes	100.000	100.830	-0.8	92	0.00
69	T	o-Xylene	50.000	51.096	-2.2	93	0.00
70	T	Styrene	50.000	50.400	-0.8	90	0.00
71	P	Bromoform	50.000	45.886	8.2	81	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	52.186	-4.4	94	0.00
74	T	N-amyl acetate	50.000	45.591	8.8	76	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.086	11.8	78	0.00
76	T	1,2,3-Trichloropropane	50.000	44.986	10.0	85	0.00
77	T	Bromobenzene	50.000	48.194	3.6	89	0.00
78	T	n-propylbenzene	50.000	52.233	-4.5	94	0.00
79	T	2-Chlorotoluene	50.000	50.525	-1.0	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.113	-4.2	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.578	8.8	79	0.00
82	T	4-Chlorotoluene	50.000	50.122	-0.2	92	0.00
83	T	tert-Butylbenzene	50.000	53.088	-6.2	96	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.510	-3.0	93	0.00
85	T	sec-Butylbenzene	50.000	52.908	-5.8	96	0.00
86	T	p-Isopropyltoluene	50.000	52.556	-5.1	95	0.00
87	T	1,3-Dichlorobenzene	50.000	48.728	2.5	91	0.00
88	T	1,4-Dichlorobenzene	50.000	48.331	3.3	90	0.00
89	T	n-Butylbenzene	50.000	53.606	-7.2	95	0.00
90	T	Hexachloroethane	50.000	50.084	-0.2	95	0.00
91	T	1,2-Dichlorobenzene	50.000	47.985	4.0	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	42.654	14.7	76	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.388	1.2	86	0.00
94	T	Hexachlorobutadiene	50.000	52.186	-4.4	94	0.00
95	T	Naphthalene	50.000	45.480	9.0	77	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021404.D
Acq On : 04 Mar 2025 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030425

Quant Time: Mar 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 03:21:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.639	2.7	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX045127.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_X Calibration Date/Time: 03/05/2025 09:12

Lab File ID: VX045127.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.611		-2.86	20
Chloromethane	0.770	0.671	0.1	-12.86	20
Vinyl Chloride	0.764	0.689		-9.82	20
Bromomethane	0.300	0.271		-9.67	20
Chloroethane	0.352	0.291		-17.33	20
Trichlorofluoromethane	1.012	0.938		-7.31	20
1,1,2-Trichlorotrifluoroethane	0.581	0.581		0	20
1,1-Dichloroethene	0.614	0.553		-9.94	20
Acetone	0.369	0.301		-18.43	20
Carbon Disulfide	1.636	1.452		-11.25	20
Methyl tert-butyl Ether	2.061	1.855		-9.99	20
Methyl Acetate	0.888	0.810		-8.78	20
Methylene Chloride	0.731	0.640		-12.45	20
trans-1,2-Dichloroethene	0.607	0.571		-5.93	20
1,1-Dichloroethane	1.247	1.123	0.1	-9.94	20
Cyclohexane	1.082	1.035		-4.34	20
2-Butanone	0.555	0.488		-12.07	20
Carbon Tetrachloride	0.465	0.457		-1.72	20
cis-1,2-Dichloroethene	0.749	0.684		-8.68	20
Bromochloromethane	0.594	0.559		-5.89	20
Chloroform	1.239	1.123		-9.36	20
1,1,1-Trichloroethane	1.000	0.923		-7.7	20
Methylcyclohexane	0.549	0.609		10.93	20
Benzene	1.448	1.416		-2.21	20
1,2-Dichloroethane	0.521	0.506		-2.88	20
Trichloroethene	0.340	0.338		-0.59	20
1,2-Dichloropropane	0.372	0.355		-4.57	20
Bromodichloromethane	0.516	0.512		-0.77	20
4-Methyl-2-Pentanone	0.587	0.550		-6.3	20
Toluene	0.849	0.858		1.06	20
t-1,3-Dichloropropene	0.431	0.464		7.66	20
cis-1,3-Dichloropropene	0.503	0.541		7.55	20
1,1,2-Trichloroethane	0.350	0.334		-4.57	20
2-Hexanone	0.425	0.404		-4.94	20
Dibromochloromethane	0.366	0.374		2.19	20
1,2-Dibromoethane	0.349	0.340		-2.58	20
Tetrachloroethene	0.320	0.328		2.5	20
Chlorobenzene	1.058	1.044	0.3	-1.32	20

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

Raw Data: **VX045127.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_X Calibration Date/Time: 03/05/2025 09:12

Lab File ID: VX045127.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.877		1.85	20
m/p-Xylenes	0.675	0.695		2.96	20
o-Xylene	0.681	0.676		-0.73	20
Styrene	1.101	1.118		1.54	20
Bromoform	0.266	0.272	0.1	2.26	20
Isopropylbenzene	3.903	3.893		-0.26	20
1,1,2,2-Tetrachloroethane	1.432	1.304	0.3	-8.94	20
1,3-Dichlorobenzene	1.643	1.598		-2.74	20
1,4-Dichlorobenzene	1.662	1.585		-4.63	20
1,2-Dichlorobenzene	1.648	1.633		-0.91	20
1,2-Dibromo-3-Chloropropane	0.279	0.264		-5.38	20
1,2,4-Trichlorobenzene	0.938	0.991		5.65	20
1,2,3-Trichlorobenzene	0.990	1.016		2.63	20
1,2-Dichloroethane-d4	0.795	0.743		-6.54	20
Dibromofluoromethane	0.334	0.344		2.99	20
Toluene-d8	1.212	1.229		1.4	20
4-Bromofluorobenzene	0.402	0.412		2.49	20

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

Sample Results: **VX045127.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045127.D
Acq On : 05 Mar 2025 09:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	112291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	190470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83482	46.738	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.480%			
35) Dibromofluoromethane	5.373	113	65550	51.467	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.940%			
50) Toluene-d8	8.641	98	234119	50.704	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.400%			
62) 4-Bromofluorobenzene	11.079	95	78409	51.246	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	68622	48.548	ug/l	91
3) Chloromethane	1.307	50	75368	43.571	ug/l	97
4) Vinyl Chloride	1.374	62	77400	45.105	ug/l	98
5) Bromomethane	1.593	94	30416	45.089	ug/l	98
6) Chloroethane	1.660	64	32683	41.292	ug/l	95
7) Trichlorofluoromethane	1.867	101	105280	46.345	ug/l	98
8) Diethyl Ether	2.136	74	39098	44.003	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.312	101	65196	49.955	ug/l	99
10) Methyl Iodide	2.441	142	78420	48.082	ug/l	98
11) Tert butyl alcohol	2.995	59	60479	178.760	ug/l	100
12) 1,1-Dichloroethene	2.306	96	62054	44.972	ug/l	99
13) Acrolein	2.233	56	93541	239.177	ug/l	98
14) Allyl chloride	2.654	41	116846	47.573	ug/l	98
15) Acrylonitrile	3.062	53	196064	216.227	ug/l	99
16) Acetone	2.386	43	168809	203.698	ug/l	97
17) Carbon Disulfide	2.495	76	163042	44.364	ug/l	97
18) Methyl Acetate	2.703	43	91008	45.649	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	208272	44.990	ug/l	100
20) Methylene Chloride	2.782	84	71831	43.757	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	64065	46.997	ug/l	97
22) Diisopropyl ether	3.757	45	232828	46.611	ug/l	96
23) Vinyl Acetate	3.715	43	988338	237.095	ug/l	99
24) 1,1-Dichloroethane	3.599	63	126104	45.046	ug/l	98
25) 2-Butanone	4.556	43	274151	219.773	ug/l	97
26) 2,2-Dichloropropane	4.465	77	89223	67.949	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	76838	45.662	ug/l	95
28) Bromochloromethane	4.891	49	62721	47.005	ug/l	99
29) Tetrahydrofuran	5.001	42	179664	214.470	ug/l	100
30) Chloroform	5.086	83	126092	45.331	ug/l	98
31) Cyclohexane	5.458	56	116269	47.845	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	103689	46.154	ug/l	99
36) 1,1-Dichloropropene	5.678	75	86057	49.270	ug/l	99
37) Ethyl Acetate	4.715	43	105492	46.871	ug/l	99
38) Carbon Tetrachloride	5.666	117	87042	49.086	ug/l	99
39) Methylcyclohexane	7.373	83	115913	55.384	ug/l	98
40) Benzene	6.025	78	269708	48.900	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045127.D
Acq On : 05 Mar 2025 09:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	59812	49.148	ug/l		98
42) 1,2-Dichloroethane	6.080	62	96363	48.518	ug/l		100
43) Isopropyl Acetate	6.336	43	161345	48.480	ug/l		100
44) Trichloroethene	7.117	130	64443	49.759	ug/l		99
45) 1,2-Dichloropropane	7.421	63	67543	47.629	ug/l		97
46) Dibromomethane	7.574	93	48542	48.429	ug/l		98
47) Bromodichloromethane	7.818	83	97568	49.627	ug/l		100
48) Methyl methacrylate	7.690	41	80625	48.288	ug/l		99
49) 1,4-Dioxane	7.665	88	31601	897.247	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	523954	234.470	ug/l		99
52) Toluene	8.714	92	163330	50.472	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	88322	53.736	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	102986	53.733	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	63538	47.694	ug/l		96
56) Ethyl methacrylate	9.116	69	98764	48.771	ug/l		99
57) 1,3-Dichloropropane	9.305	76	110247	47.819	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	263234	266.477	ug/l		100
59) 2-Hexanone	9.427	43	384958	237.763	ug/l		100
60) Dibromochloromethane	9.518	129	71321	51.202	ug/l		98
61) 1,2-Dibromoethane	9.604	107	64667	48.624	ug/l		99
64) Tetrachloroethene	9.269	164	53835	51.190	ug/l		97
65) Chlorobenzene	10.073	112	171449	49.344	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56543	48.866	ug/l		99
67) Ethyl Benzene	10.189	91	308282	50.920	ug/l		99
68) m/p-Xylenes	10.299	106	228130	102.932	ug/l		100
69) o-Xylene	10.640	106	111076	49.692	ug/l		99
70) Styrene	10.652	104	183603	50.763	ug/l		100
71) Bromoform	10.799	173	44654	51.176	ug/l	#	99
73) Isopropylbenzene	10.957	105	289986	49.882	ug/l		100
74) N-amyl acetate	10.841	43	133706	49.015	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	97087	45.510	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	77426m	44.663	ug/l		
77) Bromobenzene	11.195	156	65952	48.083	ug/l		99
78) n-propylbenzene	11.305	91	338544	51.552	ug/l		99
79) 2-Chlorotoluene	11.360	91	196917	47.083	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	235799	50.163	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	26035	51.395	ug/l		98
82) 4-Chlorotoluene	11.451	91	223976	49.137	ug/l		100
83) tert-Butylbenzene	11.713	119	232845	48.210	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	236246	49.949	ug/l		100
85) sec-Butylbenzene	11.890	105	298121	51.530	ug/l		99
86) p-Isopropyltoluene	12.006	119	242004	51.761	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	119022	48.641	ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	118036	47.680	ug/l		99
89) n-Butylbenzene	12.329	91	222008	55.132	ug/l		100
90) Hexachloroethane	12.536	117	42059	49.734	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	121609	49.543	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19675	47.340	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	73807	52.807	ug/l		100
94) Hexachlorobutadiene	13.725	225	30136	52.591	ug/l		97
95) Naphthalene	13.774	128	269735	50.230	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	75650	51.306	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045127.D
Acq On : 05 Mar 2025 09:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

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

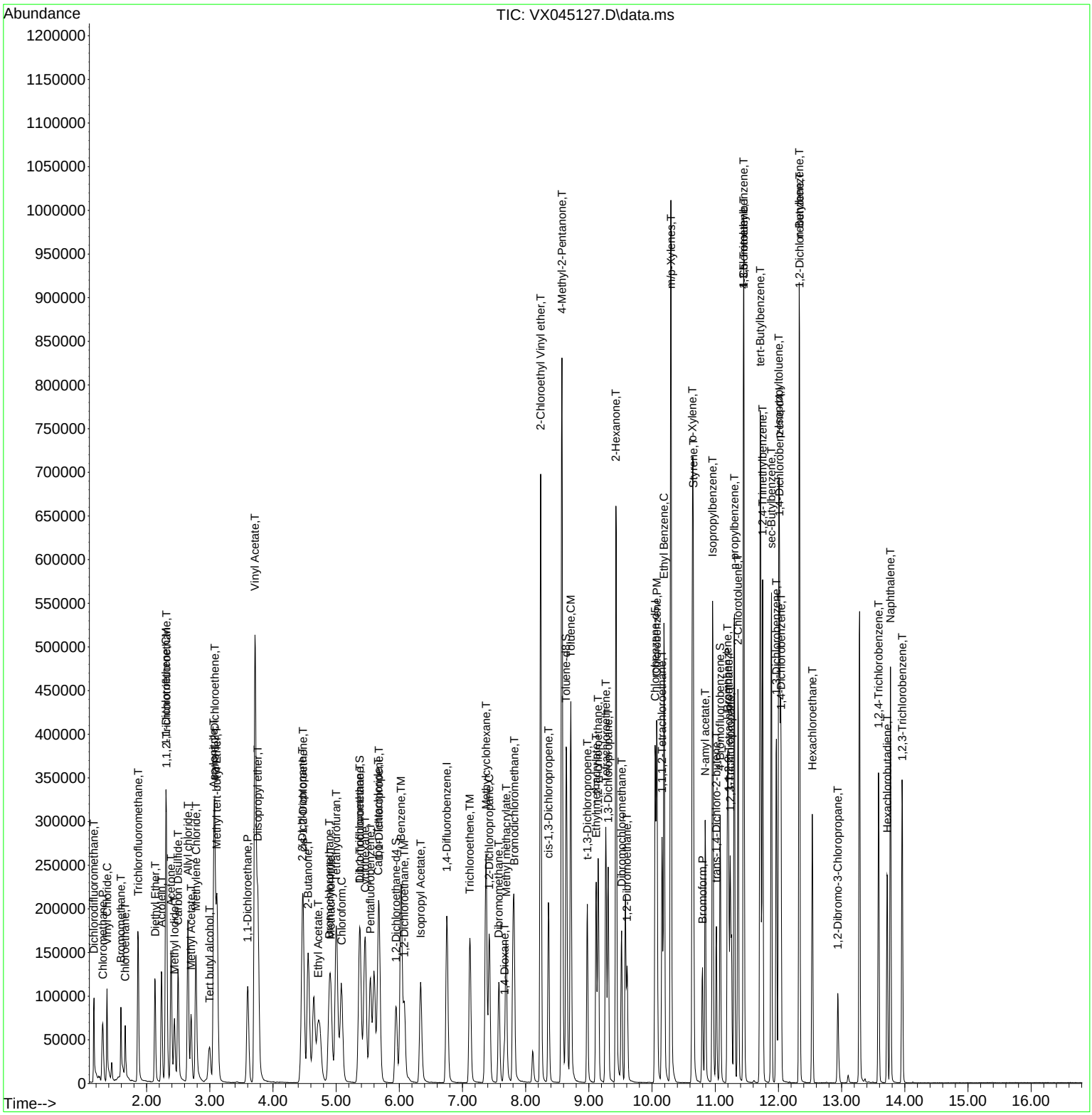
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045127.D
Acq On : 05 Mar 2025 09:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

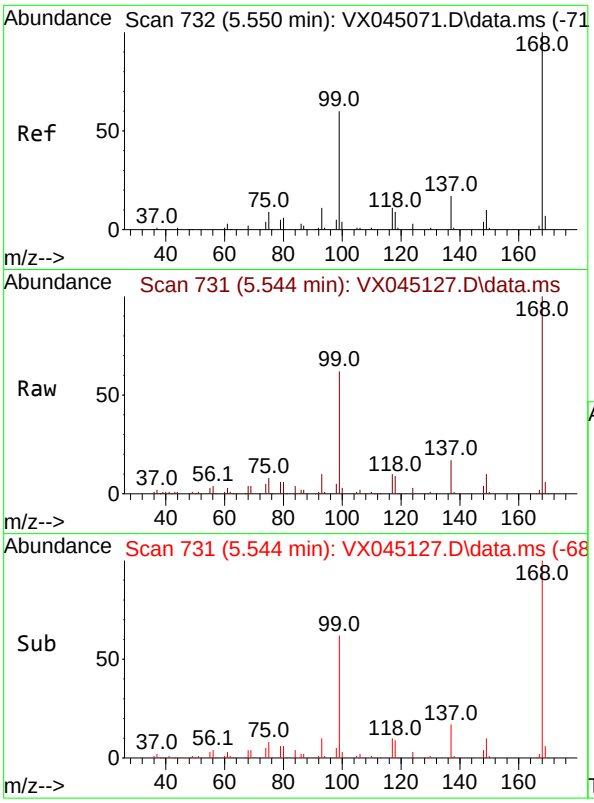
Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

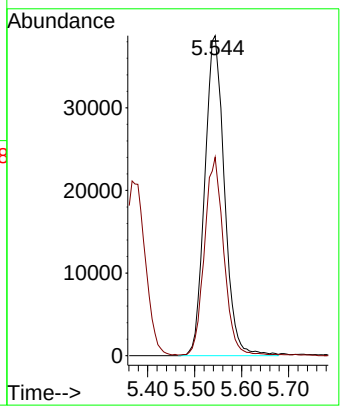




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:168 Resp: 11229

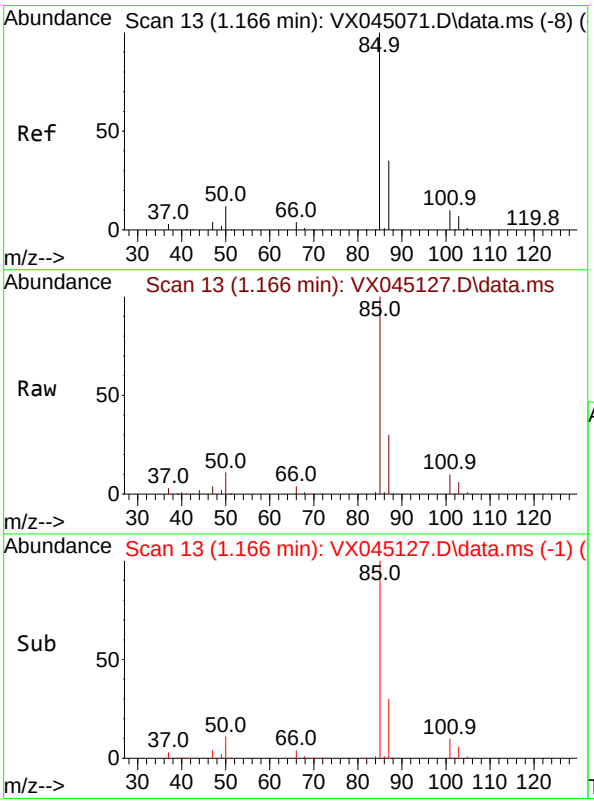
Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

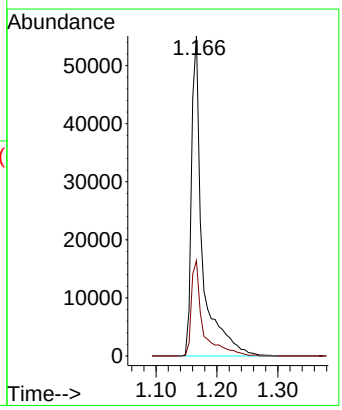
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

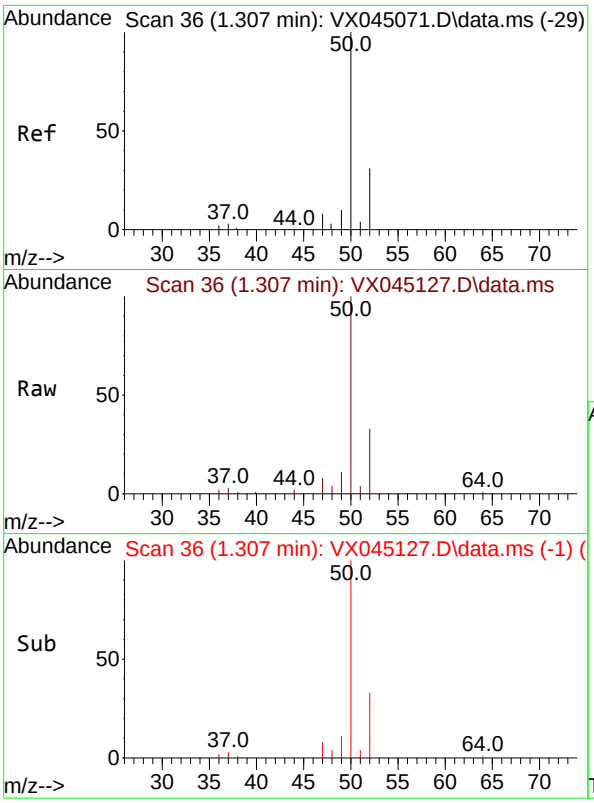


#2
Dichlorodifluoromethane
Concen: 48.548 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 85 Resp: 68622

Ion	Ratio	Lower	Upper
85	100		
87	29.8	17.4	52.3

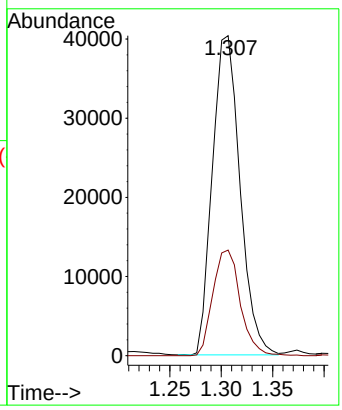




#3
Chloromethane
Concen: 43.571 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 50 Resp: 7536

Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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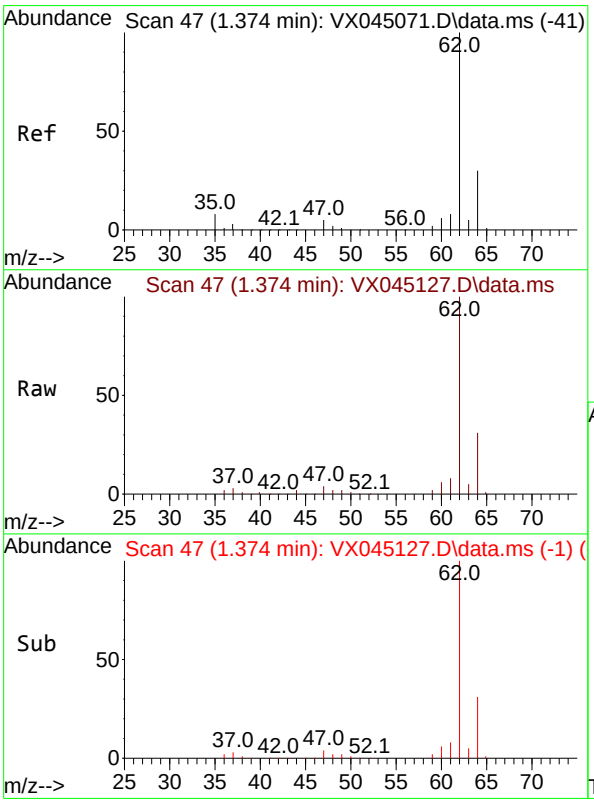
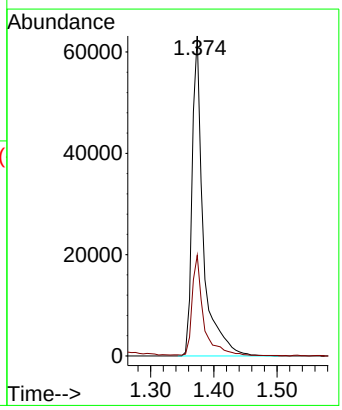
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

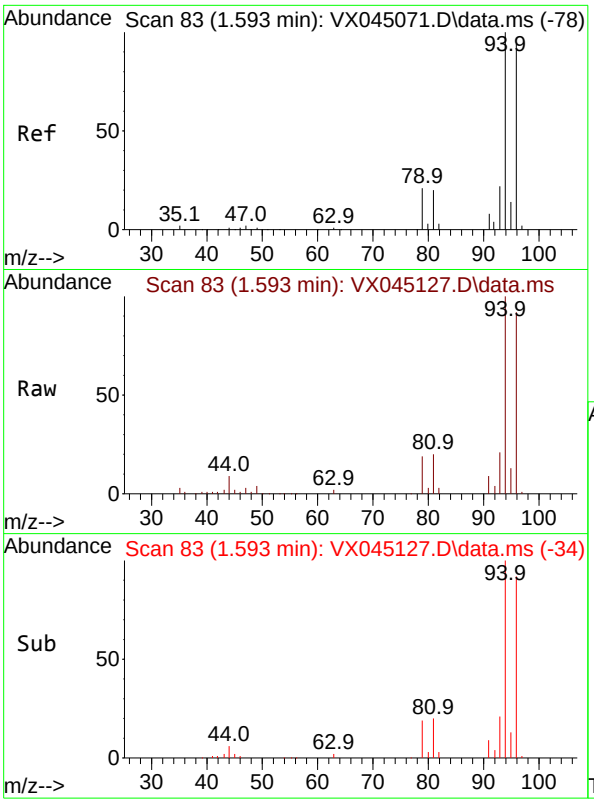


#4
Vinyl Chloride
Concen: 45.105 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 62 Resp: 77400

Ion	Ratio	Lower	Upper
62	100		
64	31.3	24.3	36.5

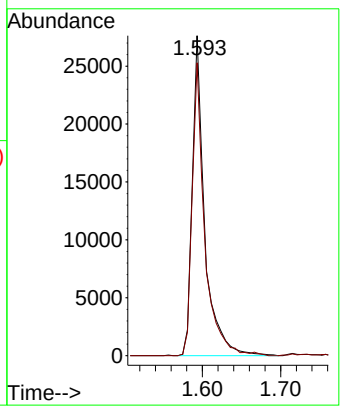




#5
Bromomethane
Concen: 45.089 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 94 Resp: 3041

Ion	Ratio	Lower	Upper
94	100		
96	91.6	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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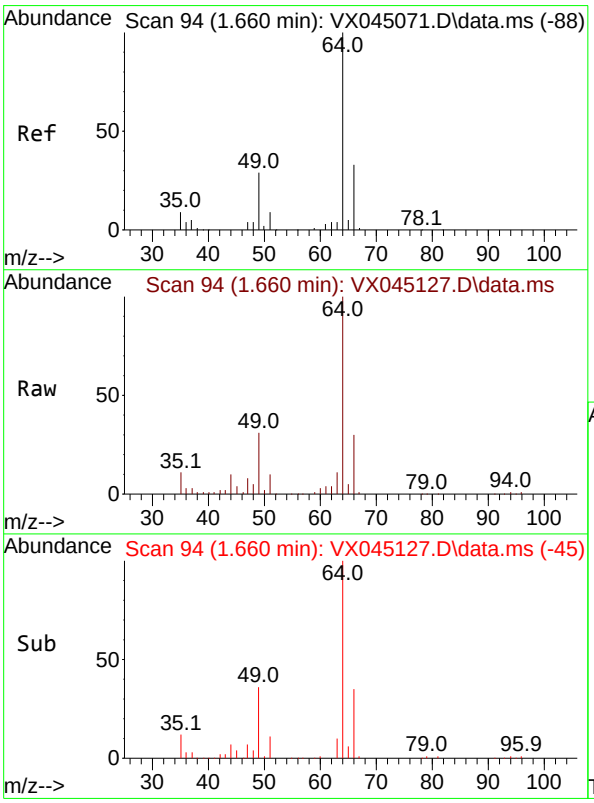
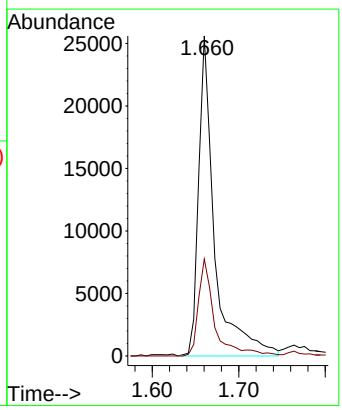
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

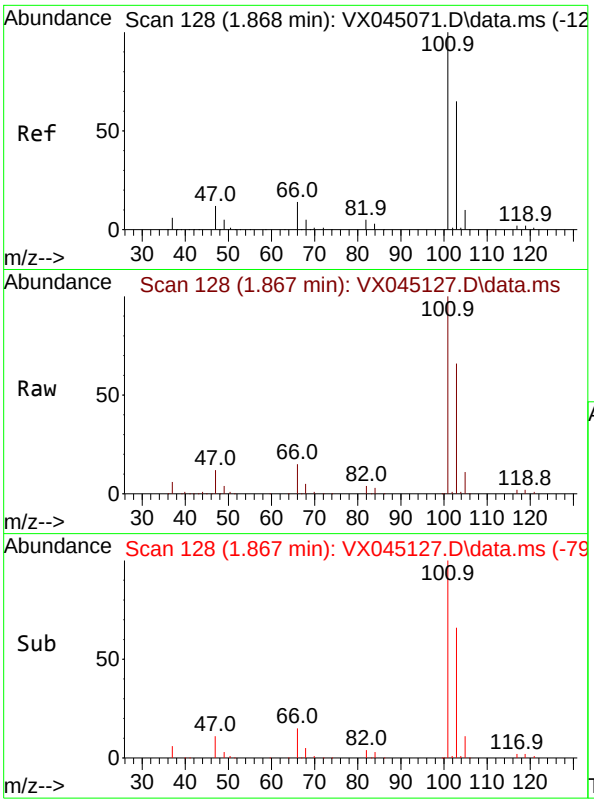


#6
Chloroethane
Concen: 41.292 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 64 Resp: 32683

Ion	Ratio	Lower	Upper
64	100		
66	30.3	26.7	40.1

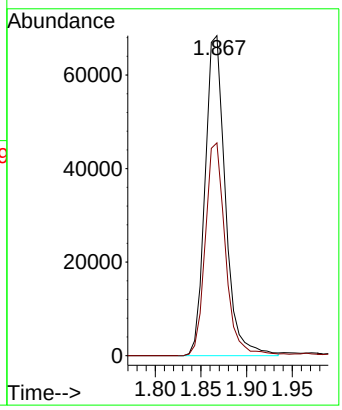




#7
Trichlorofluoromethane
Concen: 46.345 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:101 Resp: 10528

Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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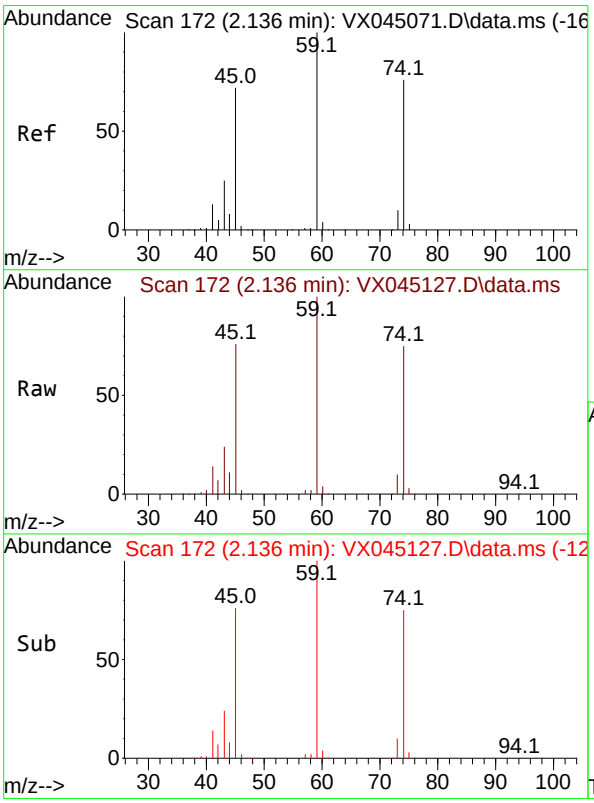
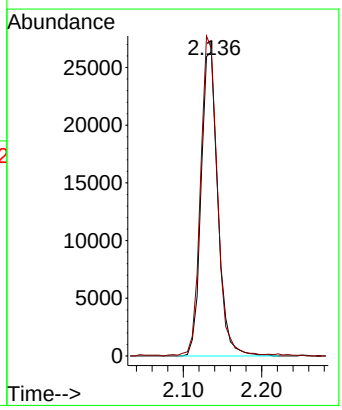
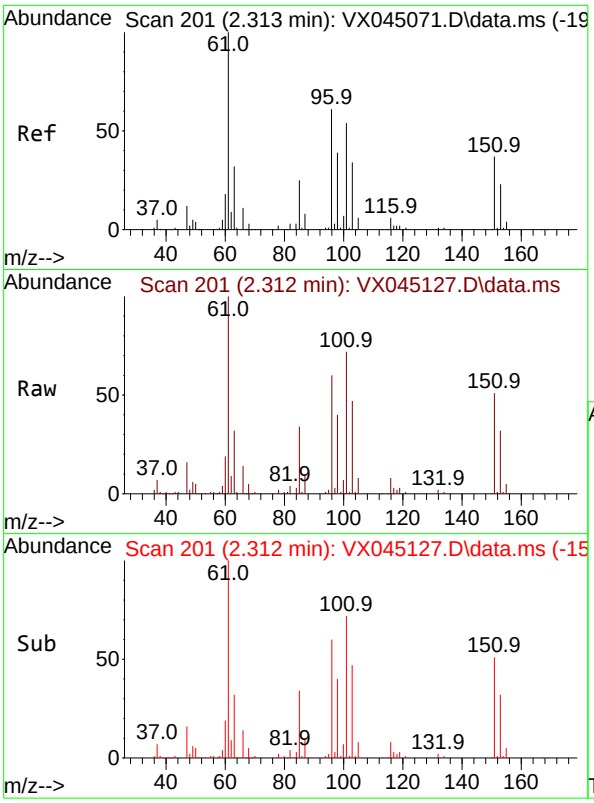


#8
Diethyl Ether
Concen: 44.003 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 74 Resp: 39098

Ion	Ratio	Lower	Upper
74	100		
45	106.0	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.955 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:101 Resp: 6519

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	71.3	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 03/06/2025
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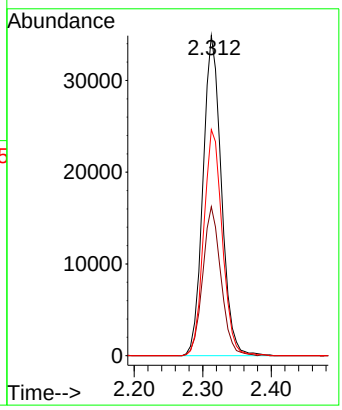
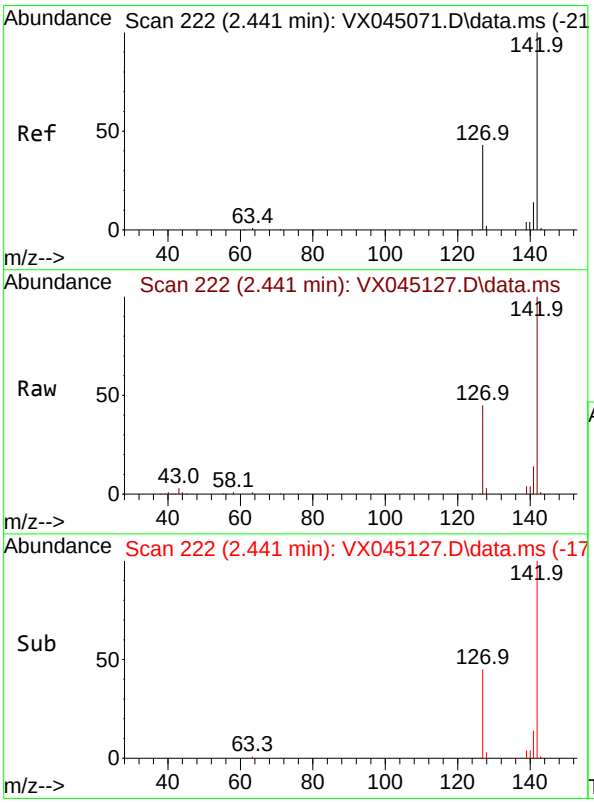
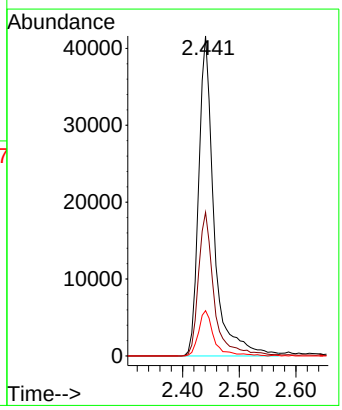


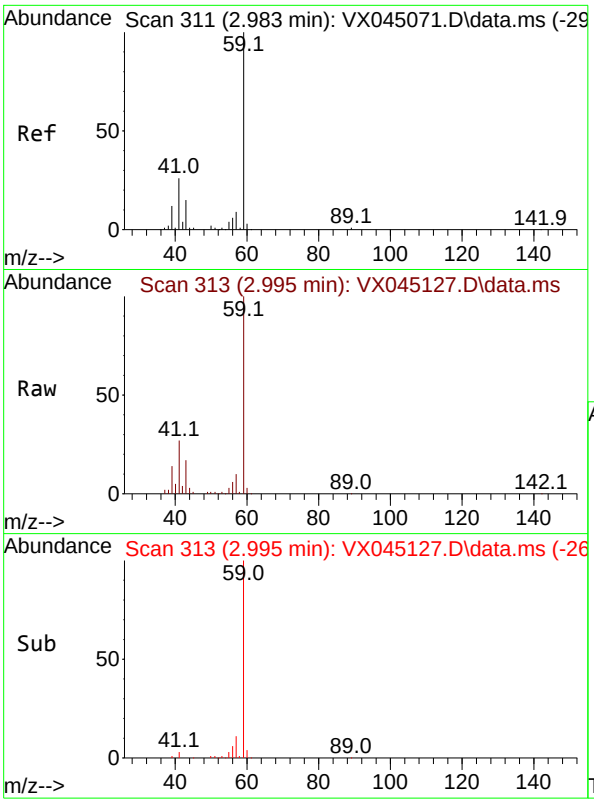


#10
Methyl Iodide
Concen: 48.082 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:142 Resp: 78420

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.4	53.2
141	14.2	11.6	17.4

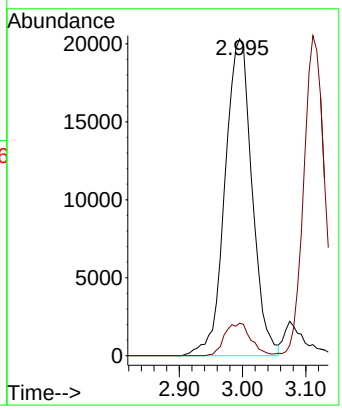




#11
Tert butyl alcohol
Concen: 178.760 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 59 Resp: 6047

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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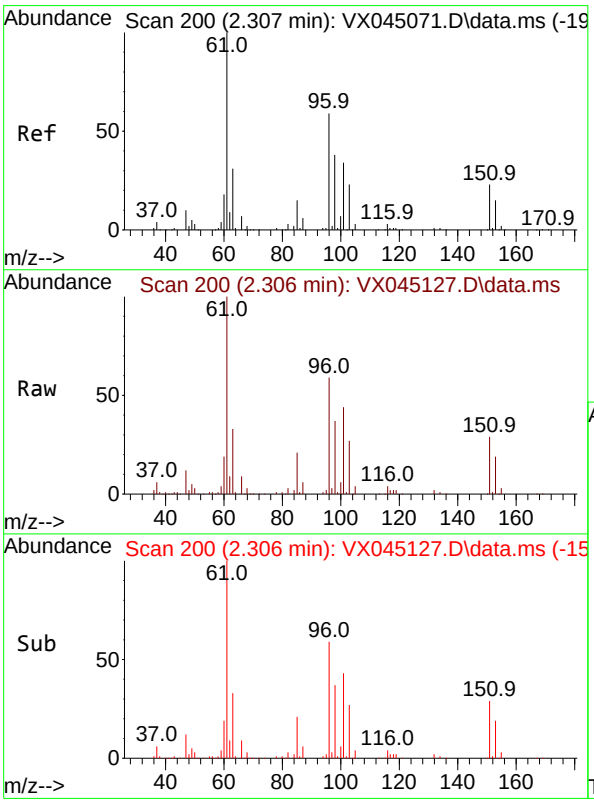
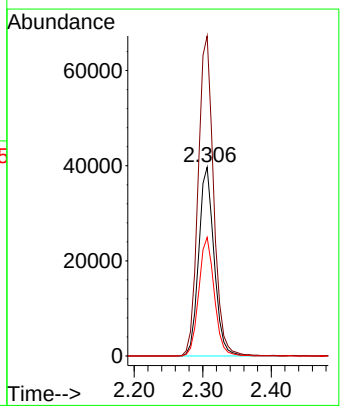
Supervised By :Mahesh Dadoda 03/06/2025

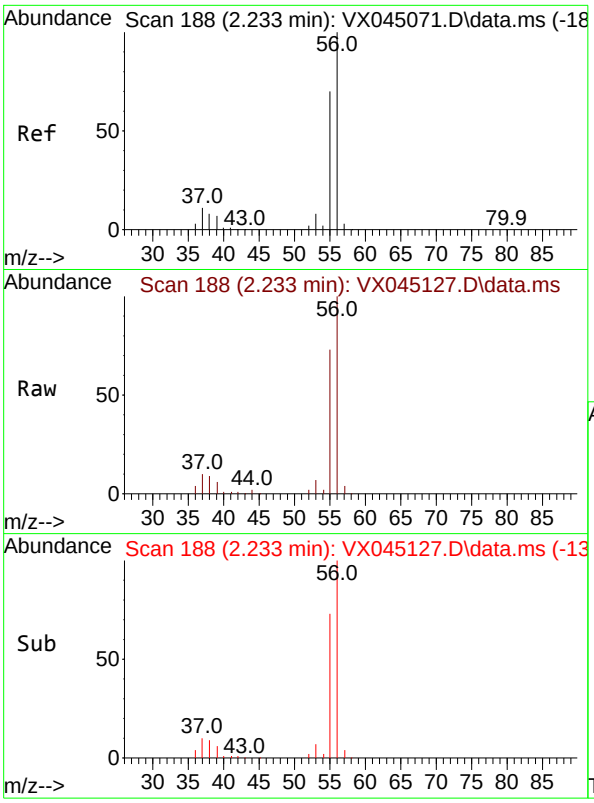


#12
1,1-Dichloroethene
Concen: 44.972 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 96 Resp: 62054

Ion	Ratio	Lower	Upper
96	100		
61	169.5	134.6	202.0
98	62.8	51.0	76.6

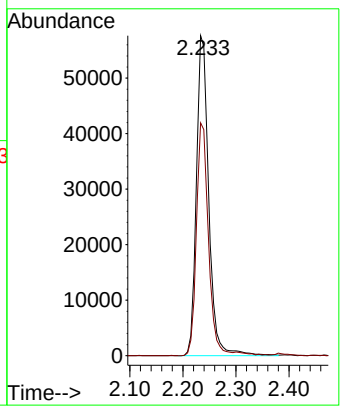




#13
Acrolein
Concen: 239.177 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 56 Resp: 9354

Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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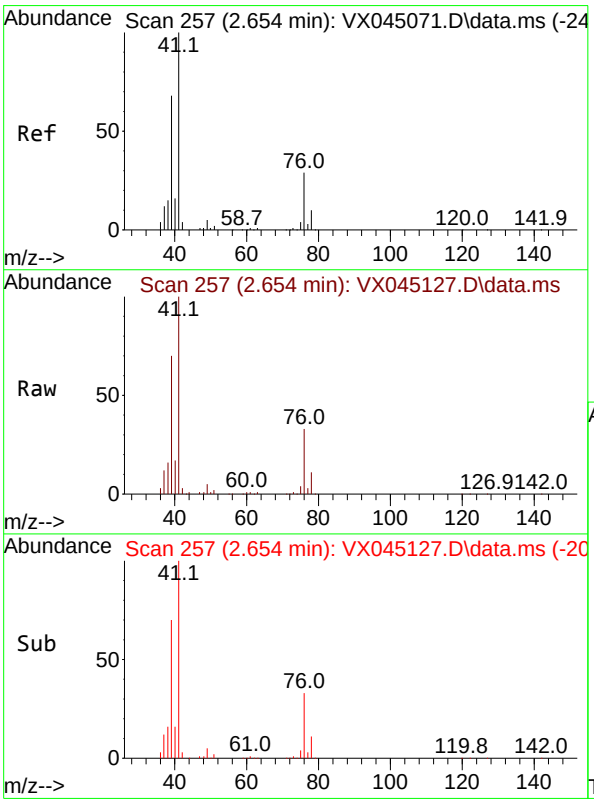
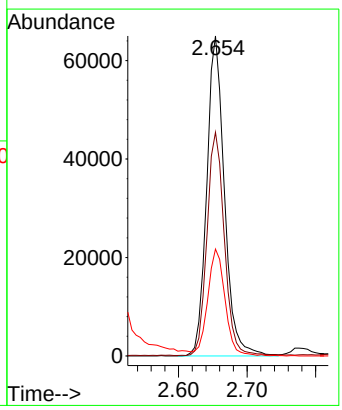
Supervised By :Mahesh Dadoda 03/06/2025

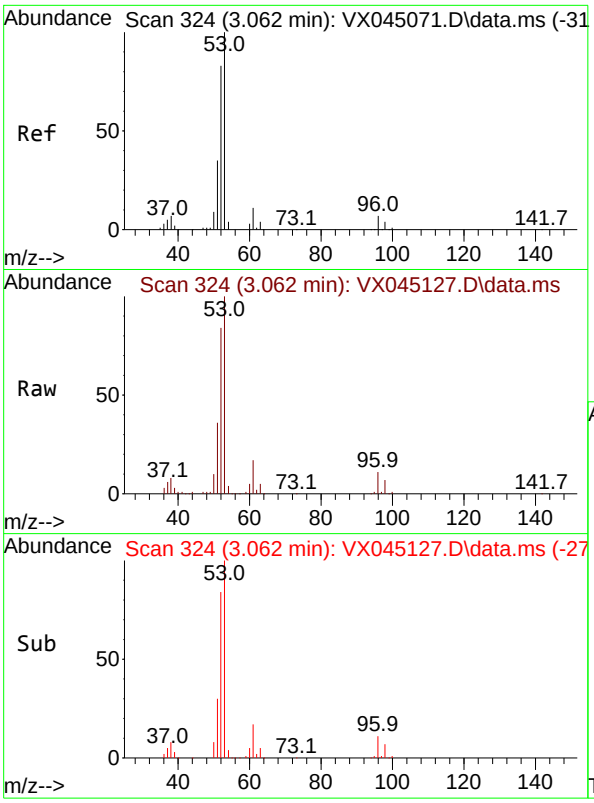


#14
Allyl chloride
Concen: 47.573 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 41 Resp: 116846

Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.8	80.8
76	33.0	25.2	37.8

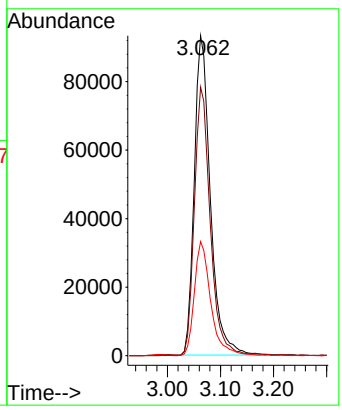




#15
Acrylonitrile
Concen: 216.227 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 53 Resp: 19606

Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.2	99.2
51	35.9	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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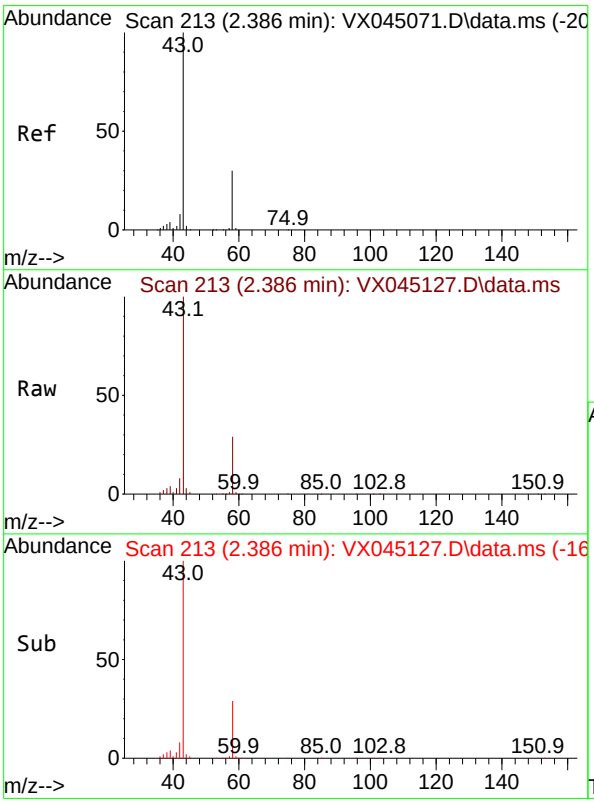
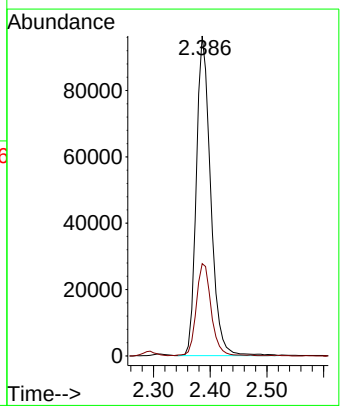
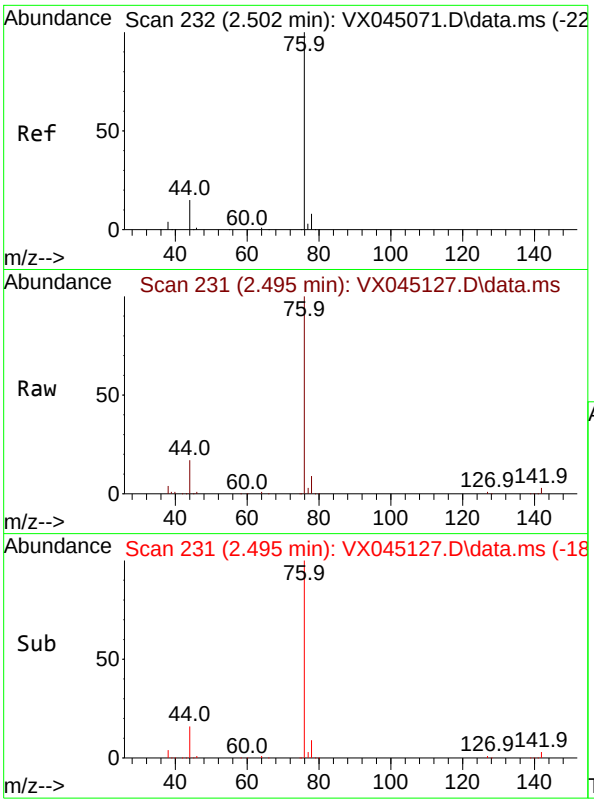


#16
Acetone
Concen: 203.698 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 43 Resp: 168809

Ion	Ratio	Lower	Upper
43	100		
58	28.7	24.2	36.4





#17
Carbon Disulfide
Concen: 44.364 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 76 Resp: 16304

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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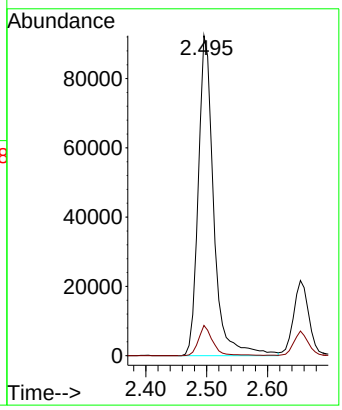
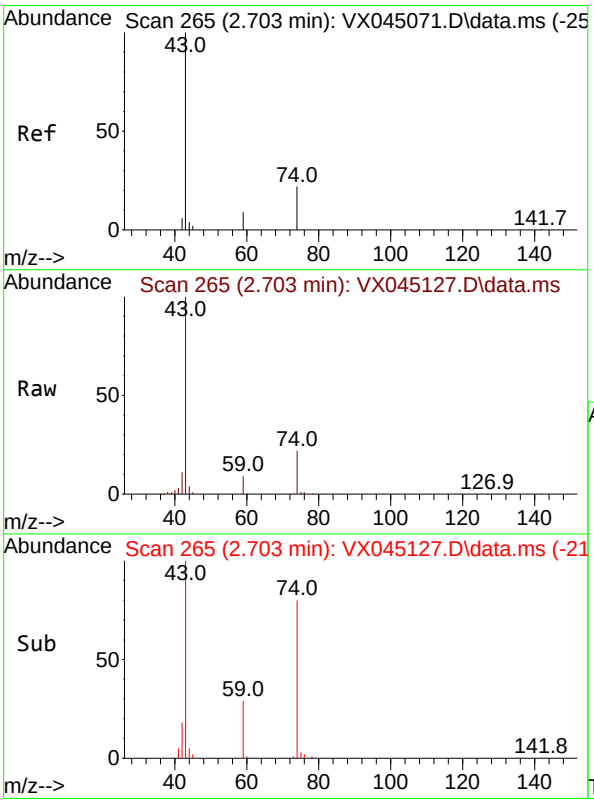
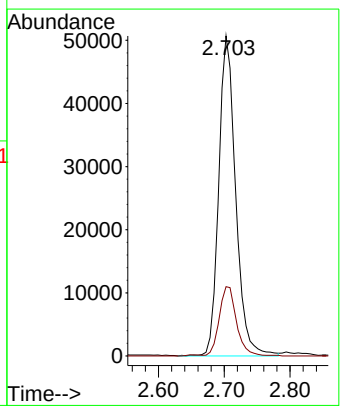


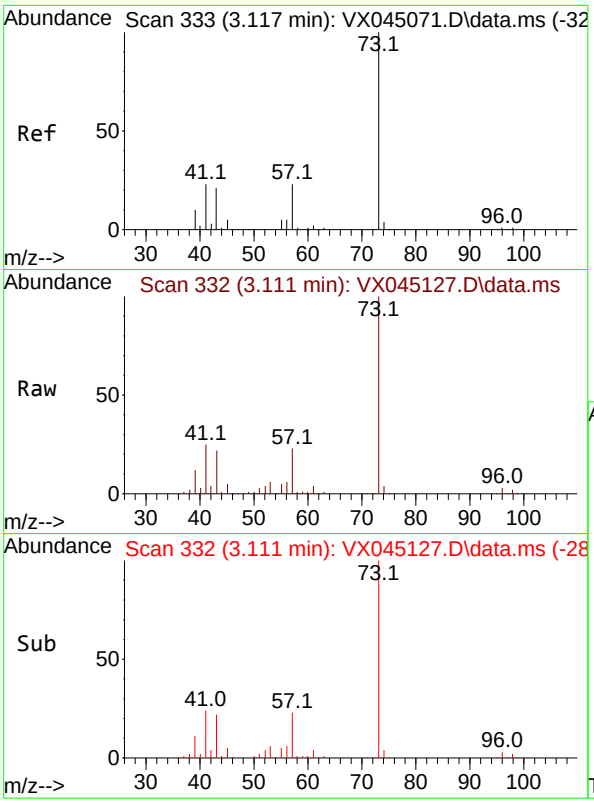


#18
Methyl Acetate
Concen: 45.649 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 43 Resp: 91008

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 44.990 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 73 Resp: 20827

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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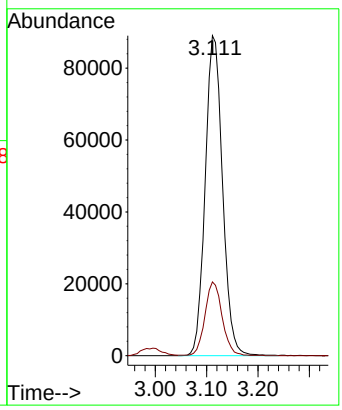
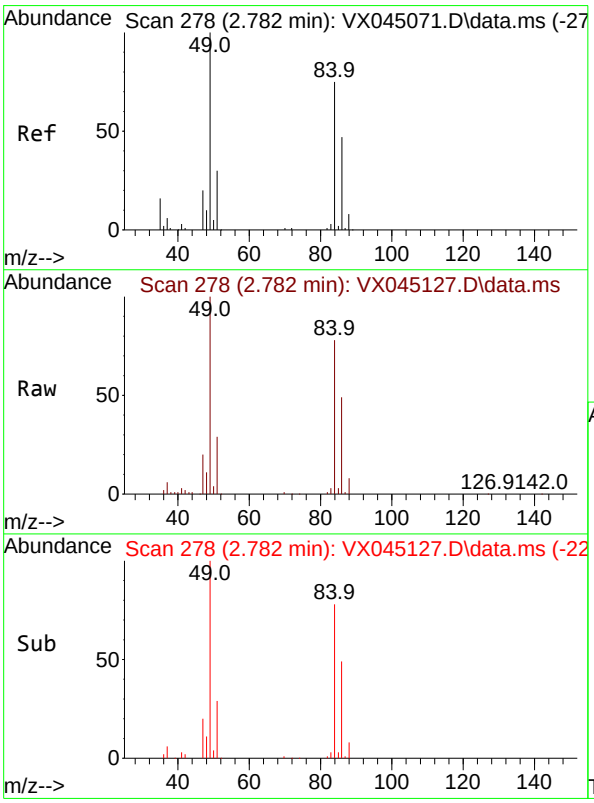
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

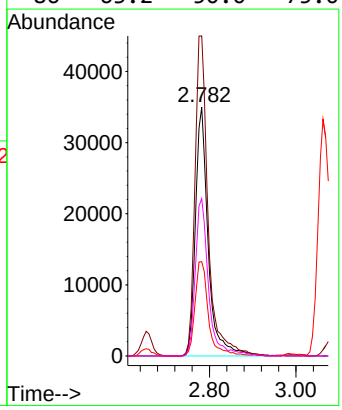


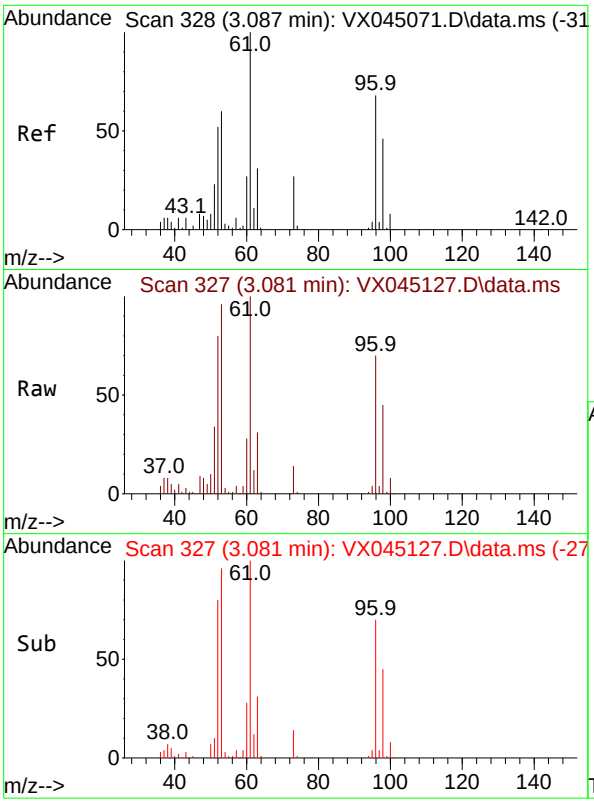


#20
Methylene Chloride
Concen: 43.757 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 84 Resp: 71831

Ion	Ratio	Lower	Upper
84	100		
49	128.6	106.5	159.7
51	37.9	32.1	48.1
86	63.2	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 46.997 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 96 Resp: 6406

Ion	Ratio	Lower	Upper
96	100		
61	143.1	117.0	175.4
98	64.6	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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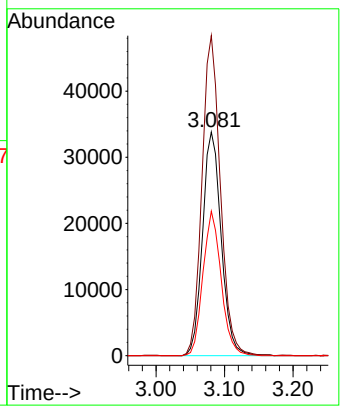
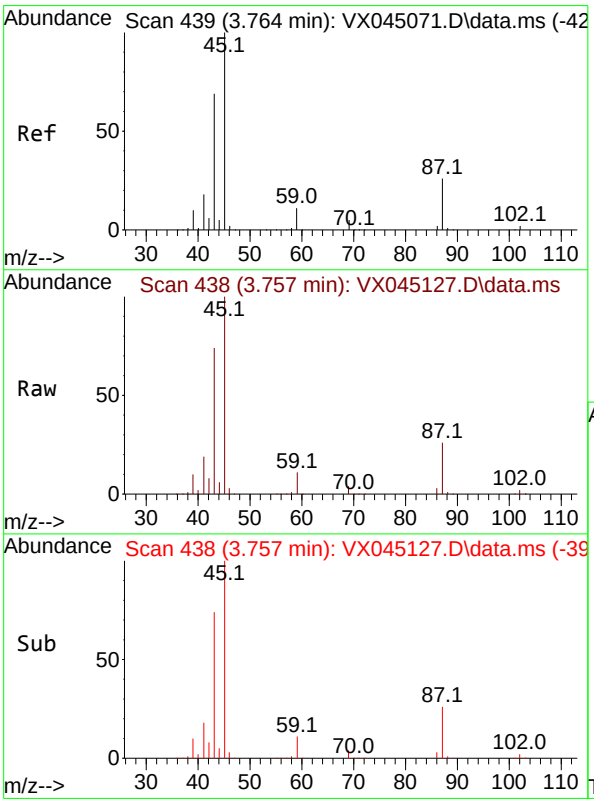
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

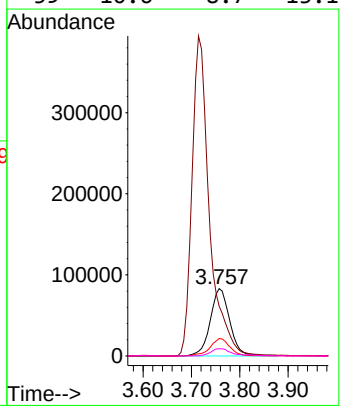


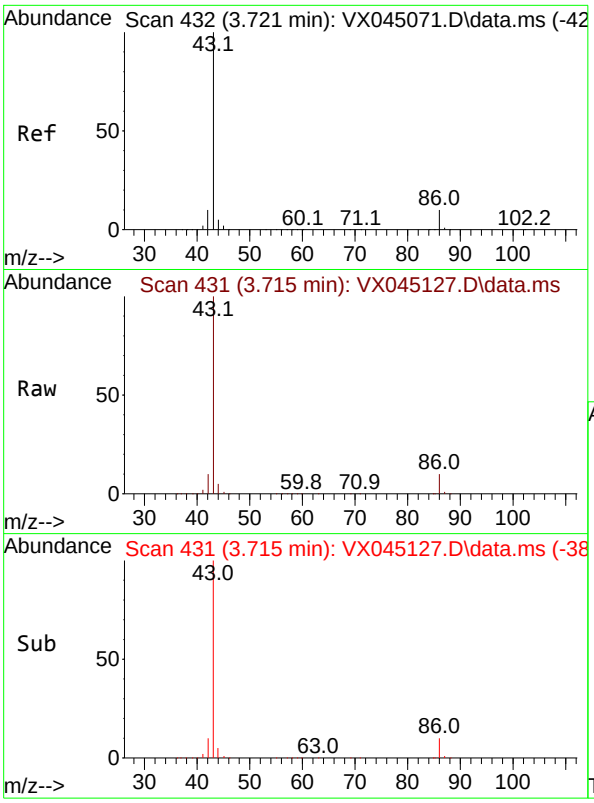


#22
Diisopropyl ether
Concen: 46.611 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 45 Resp: 232828

Ion	Ratio	Lower	Upper
45	100		
43	73.2	54.9	82.3
87	25.8	21.0	31.4
59	10.6	8.7	13.1





#23
Vinyl Acetate
Concen: 237.095 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 43 Resp: 98833

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

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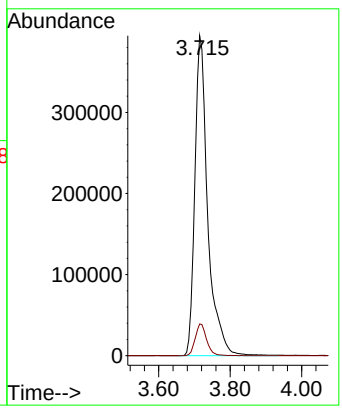
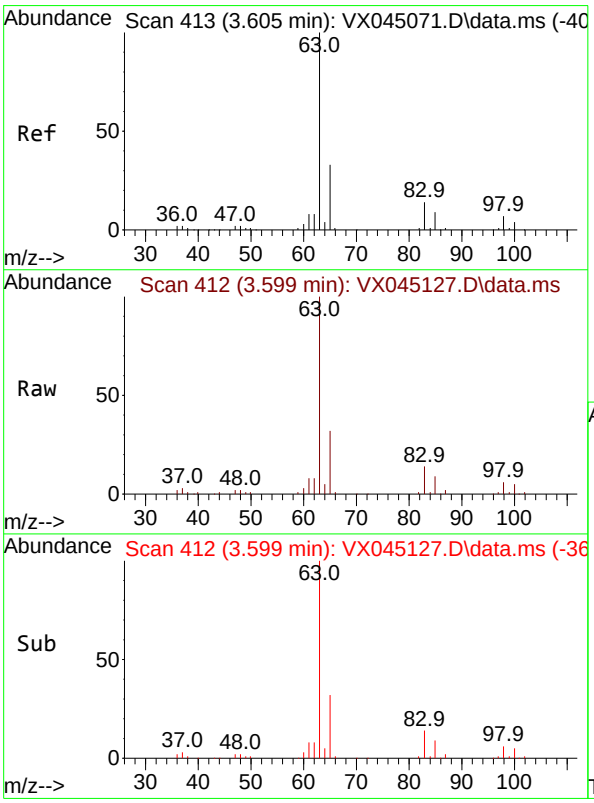
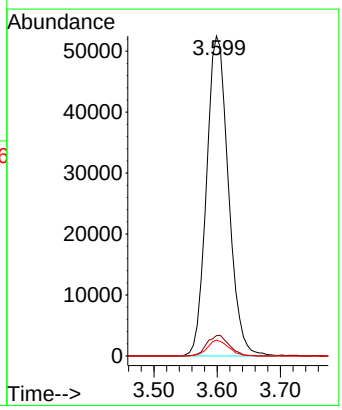


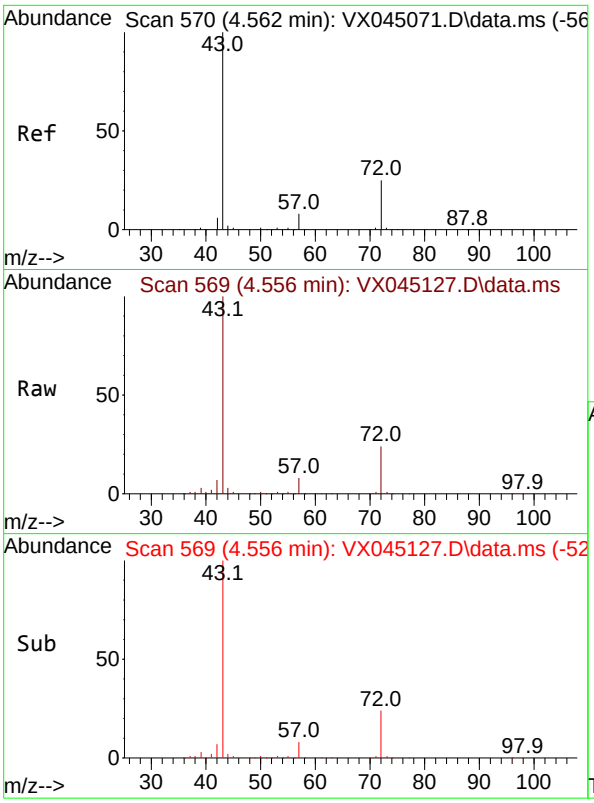


#24
1,1-Dichloroethane
Concen: 45.046 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 63 Resp: 126104

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	4.9	2.1	6.5





#25
2-Butanone
Concen: 219.773 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 43 Resp: 27415

Ion	Ratio	Lower	Upper
43	100		
72	23.6	20.0	30.0

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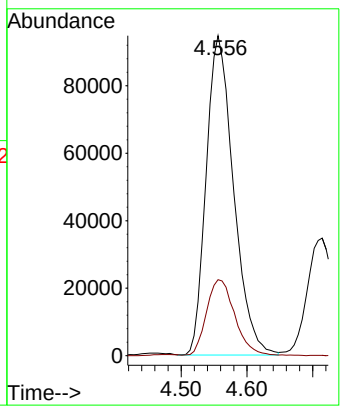
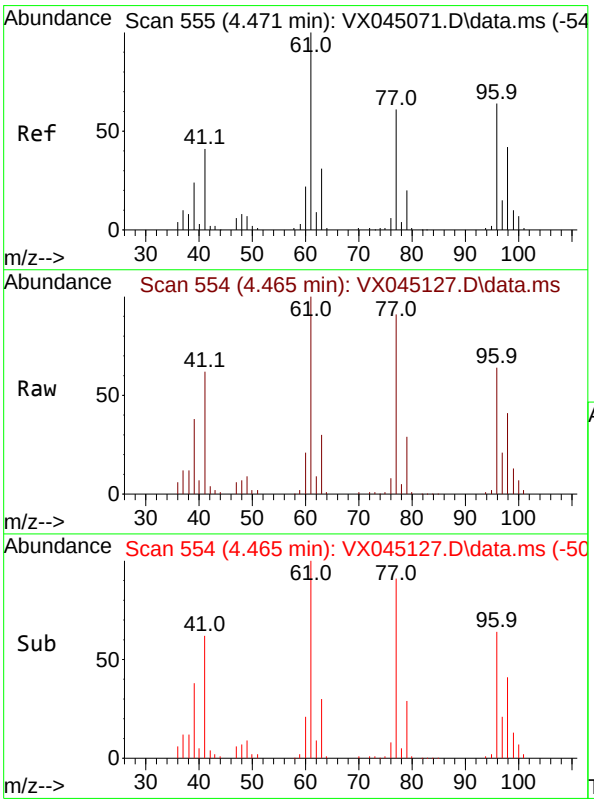
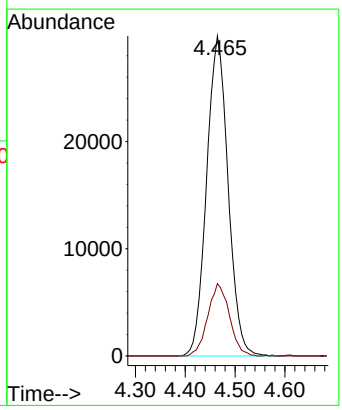


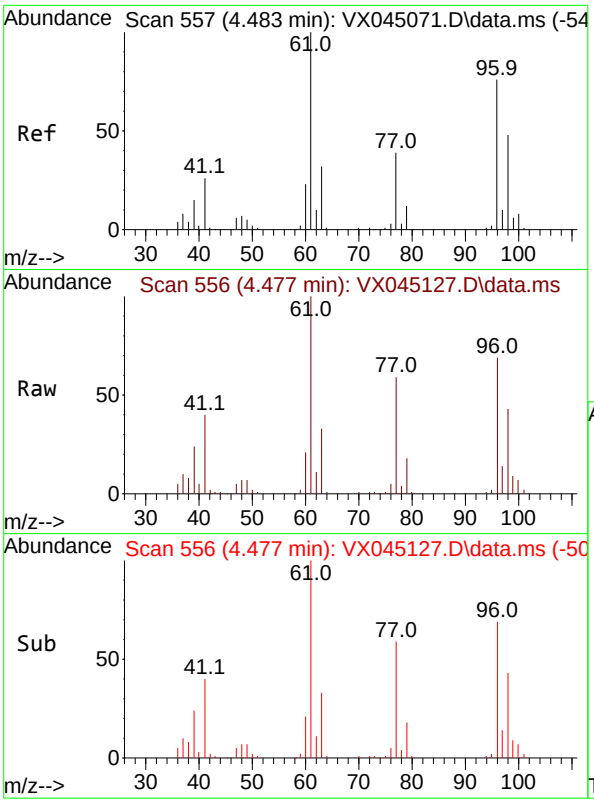


#26
2,2-Dichloropropane
Concen: 67.949 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 77 Resp: 89223

Ion	Ratio	Lower	Upper
77	100		
97	22.8	12.4	37.0

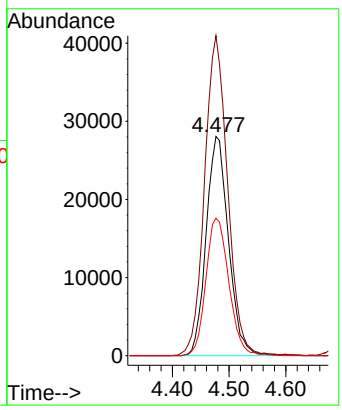




#27
cis-1,2-Dichloroethene
Concen: 45.662 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 96 Resp: 7683

Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	283.2
98	64.4	0.0	128.0



Instrument :
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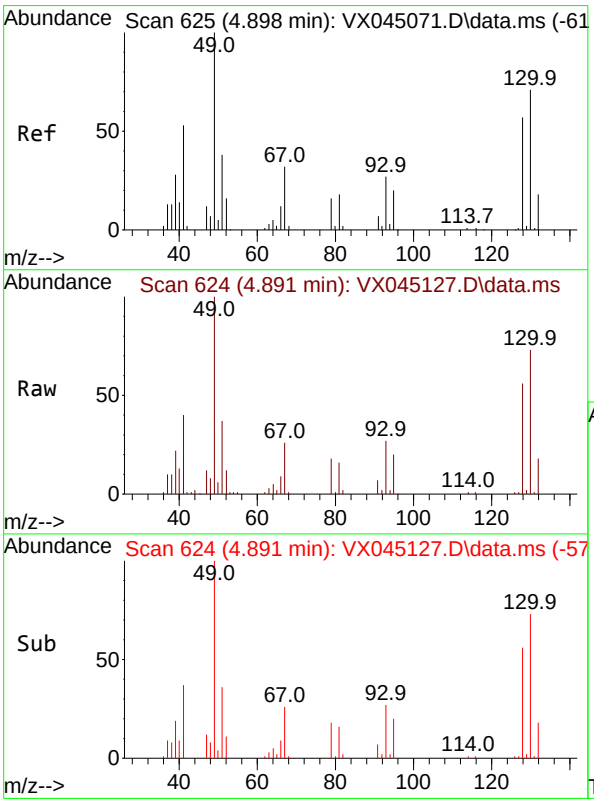
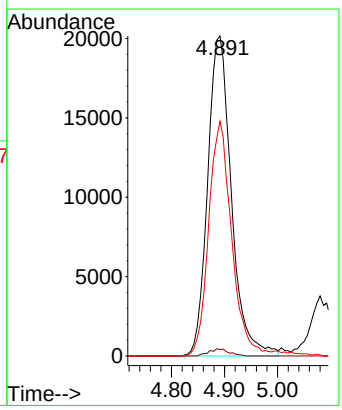
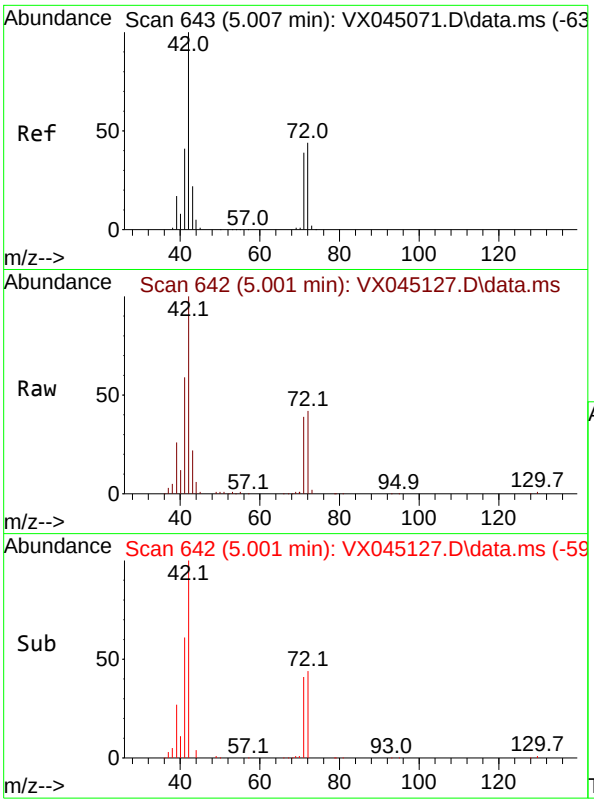


#28
Bromochloromethane
Concen: 47.005 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 49 Resp: 62721

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	70.7	56.1	84.1

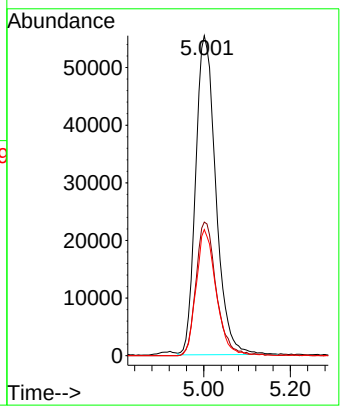




#29
Tetrahydrofuran
Concen: 214.470 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 42 Resp: 17966

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.1	51.1
71	39.1	31.4	47.0



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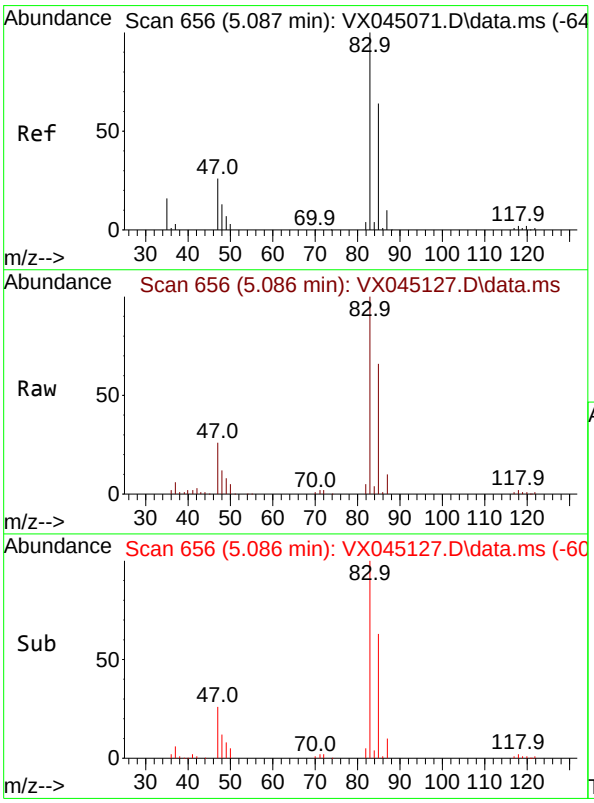
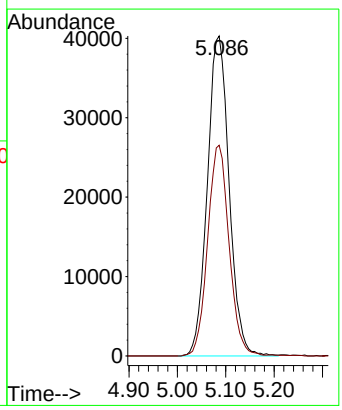
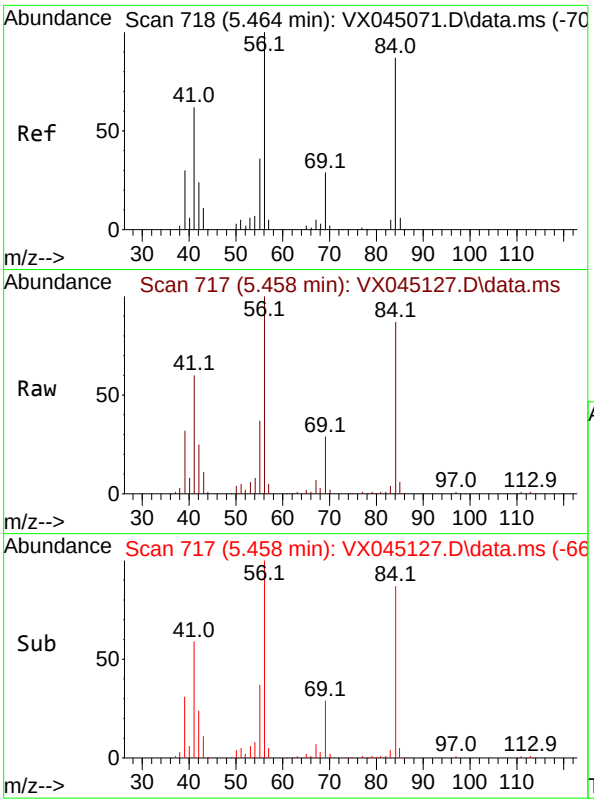


#30
Chloroform
Concen: 45.331 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 83 Resp: 126092

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.2

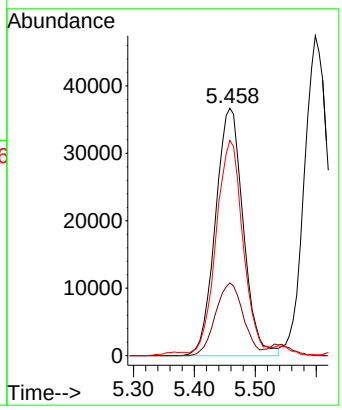




#31
Cyclohexane
Concen: 47.845 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 56 Resp: 11626

Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.4	35.2
84	85.8	69.4	104.2



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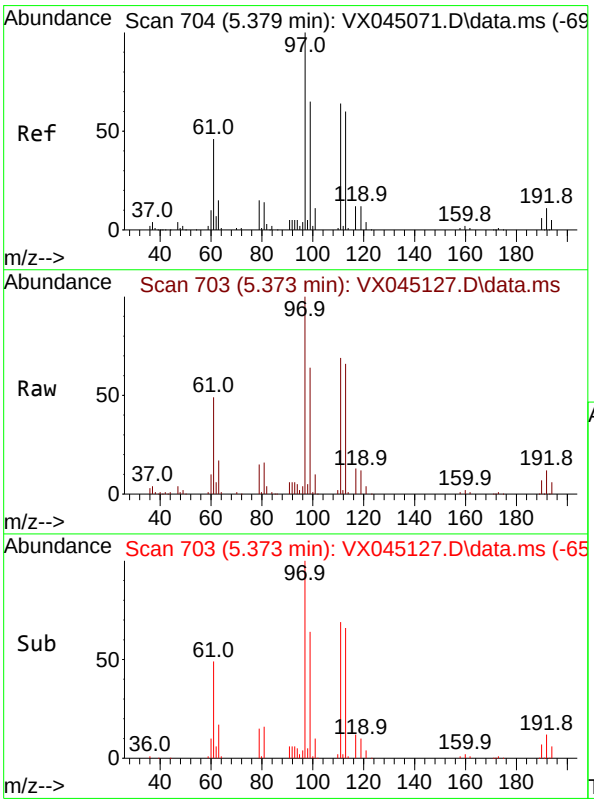
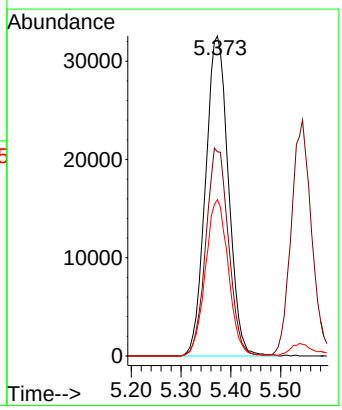
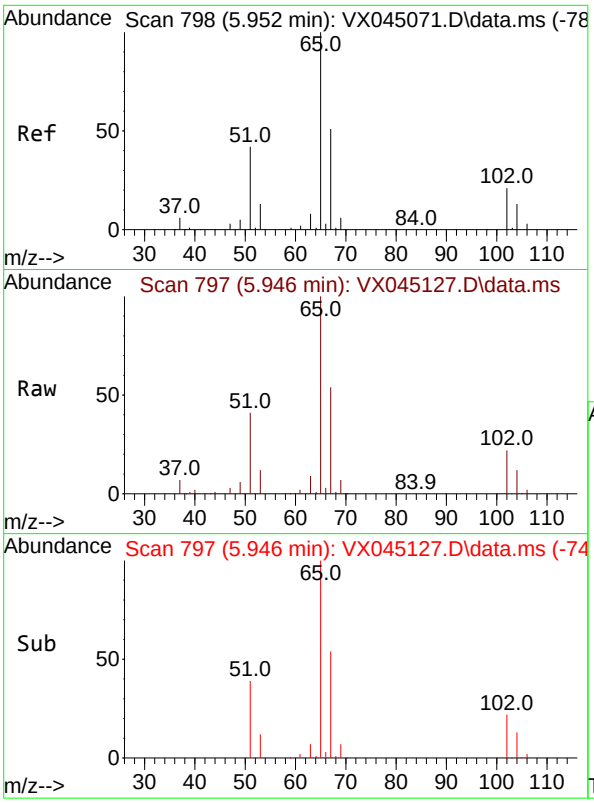


#32
1,1,1-Trichloroethane
Concen: 46.154 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 97 Resp: 103689

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	49.2	38.4	57.6





#33
1,2-Dichloroethane-d4
Concen: 46.738 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 65 Resp: 8348

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2

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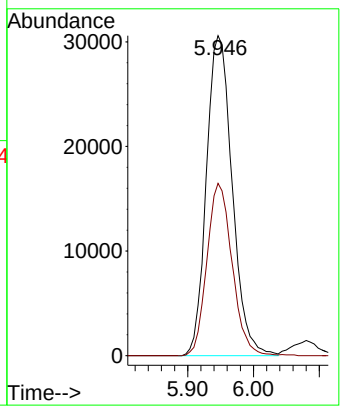
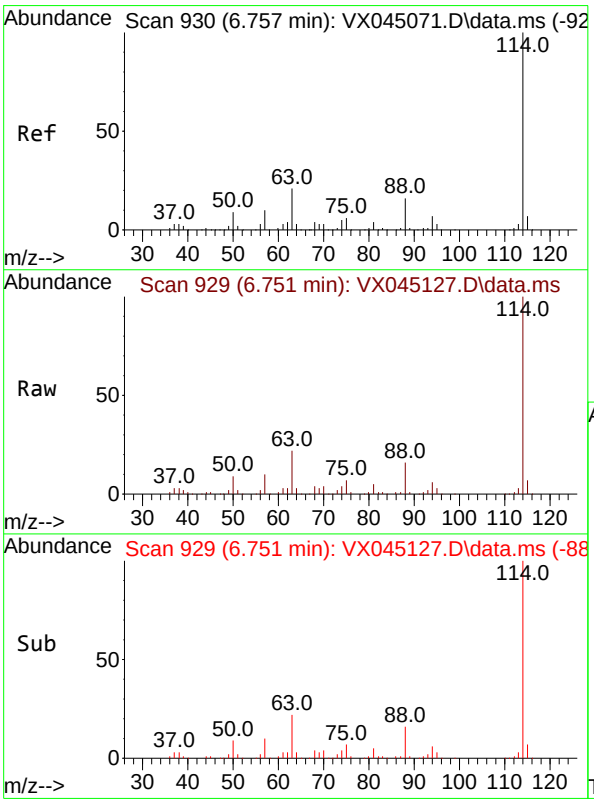
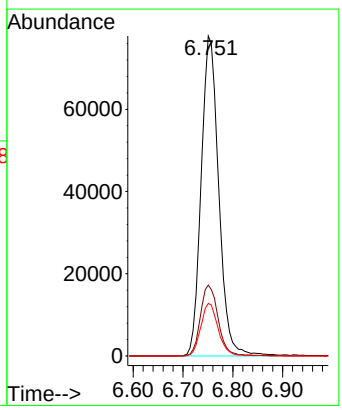


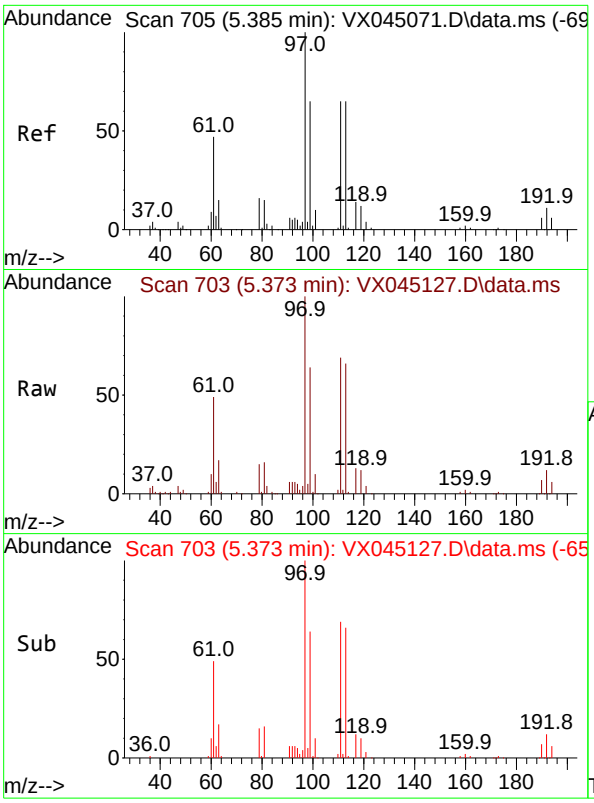


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:114 Resp: 190470

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	41.8
88	16.4	0.0	32.8

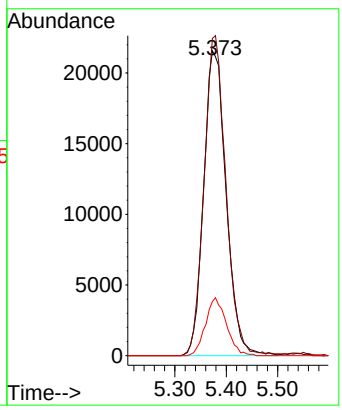




#35
Dibromofluoromethane
Concen: 51.467 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:113 Resp: 6555

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.7	14.3	21.5



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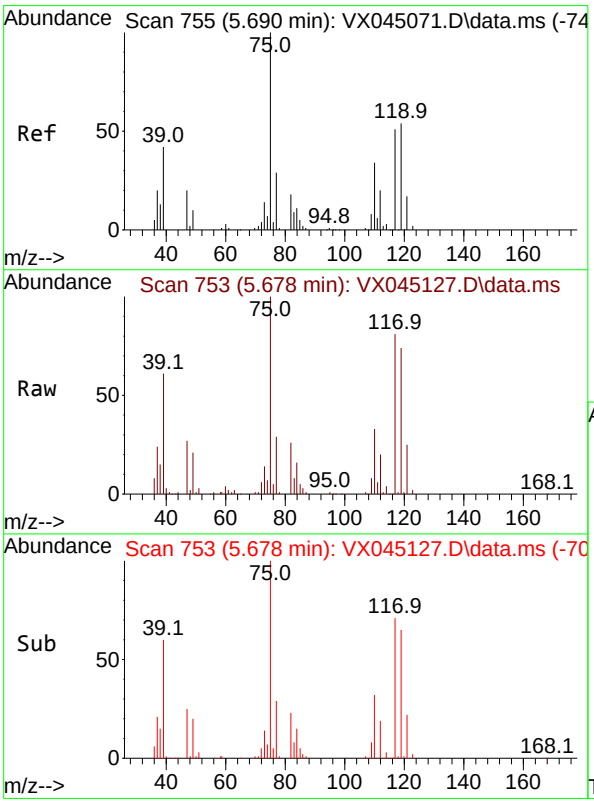
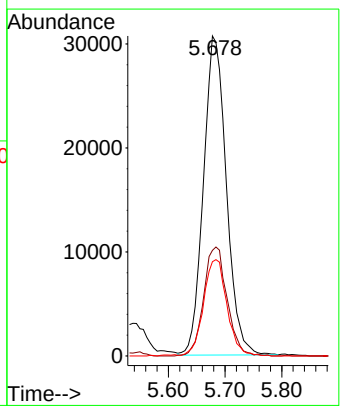
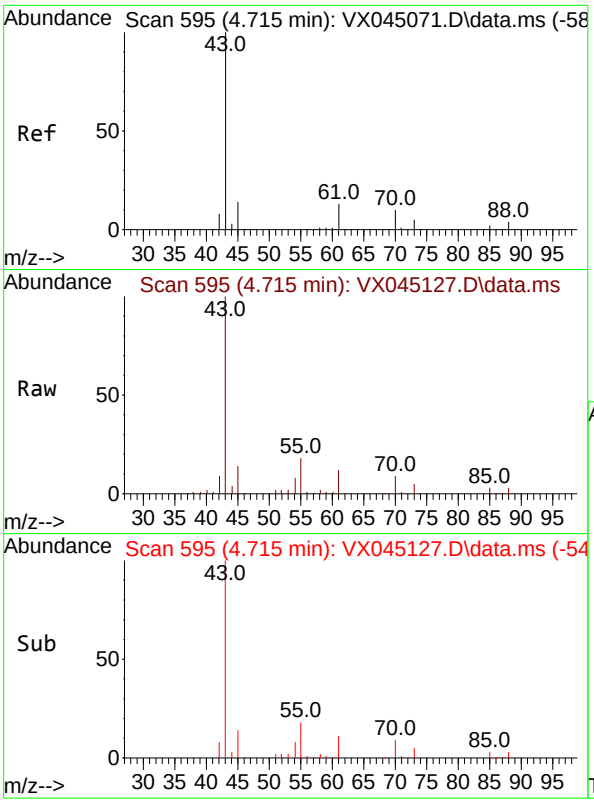


#36
1,1-Dichloropropene
Concen: 49.270 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 75 Resp: 86057

Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.9	50.6
77	31.0	24.5	36.7





#37
Ethyl Acetate
Concen: 46.871 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 43 Resp: 10549

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	9.4	7.7	11.5

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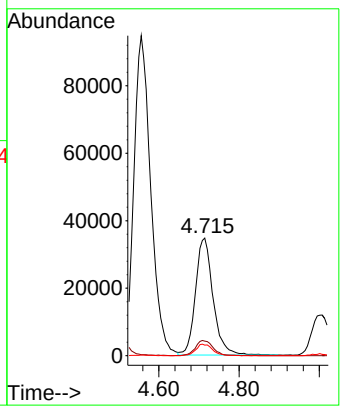
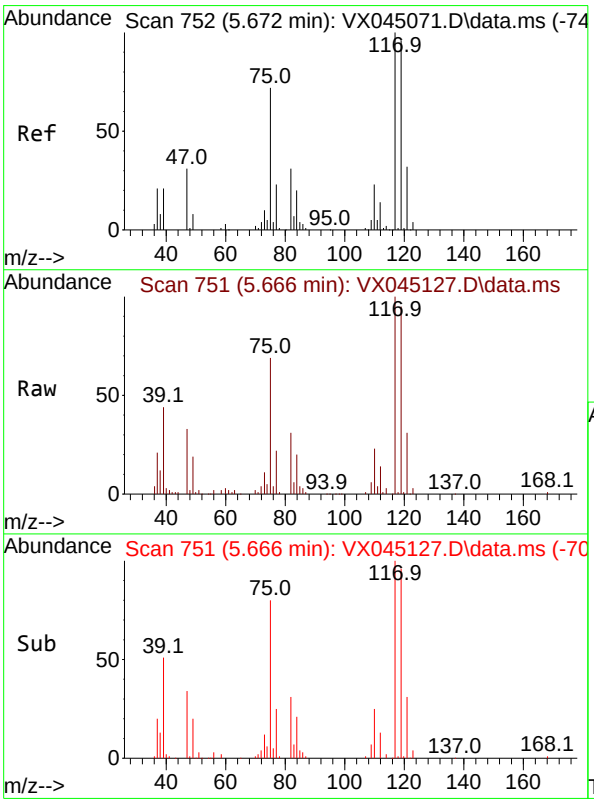
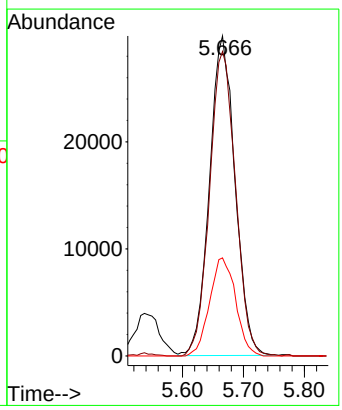


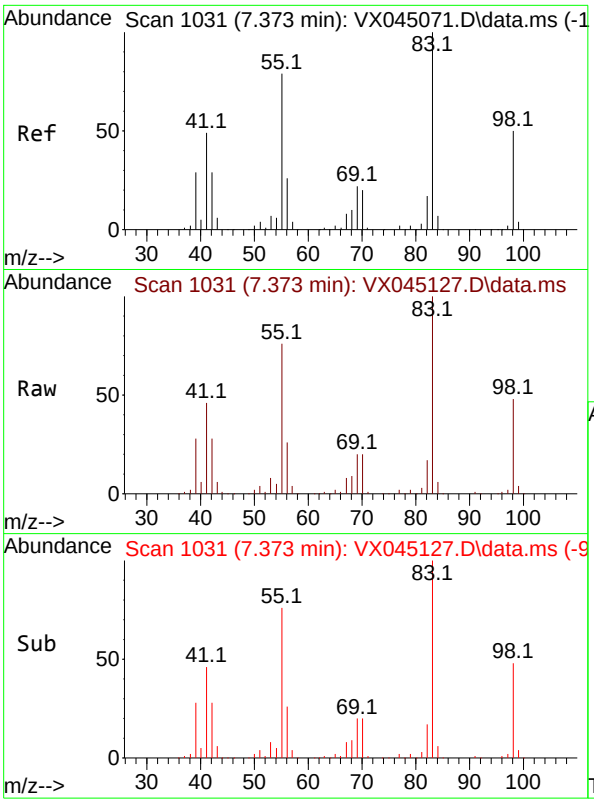


#38
Carbon Tetrachloride
Concen: 49.086 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:117 Resp: 87042

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.7	115.1
121	30.7	25.5	38.3

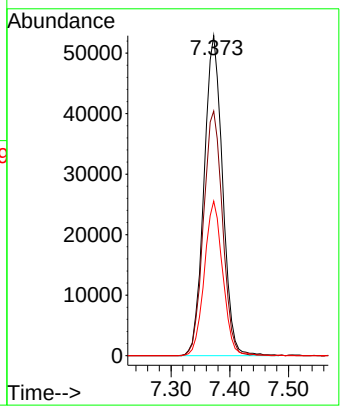




#39
Methylcyclohexane
Concen: 55.384 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 83 Resp: 11591

Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.0	94.4
98	48.3	39.7	59.5



Instrument :
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ClientSampleId :
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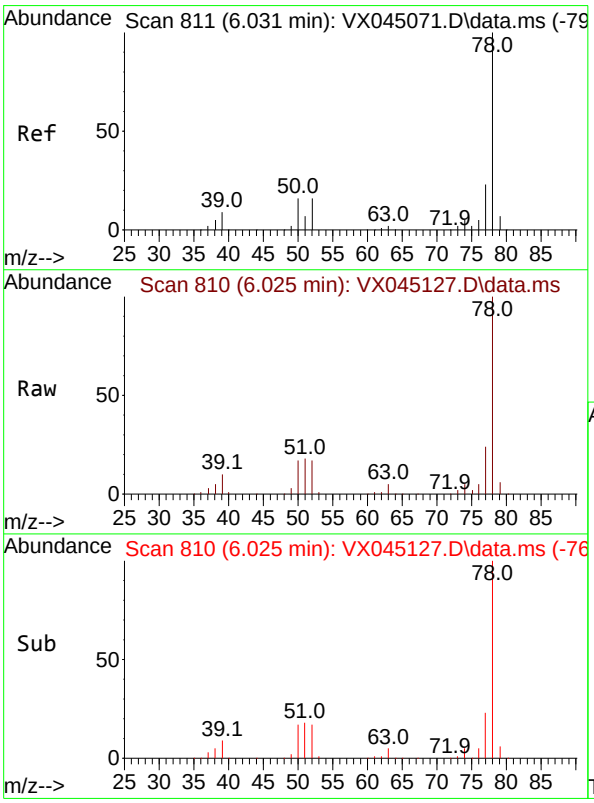
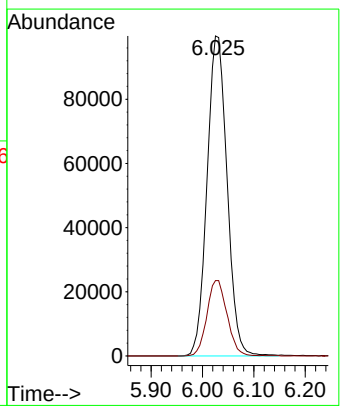
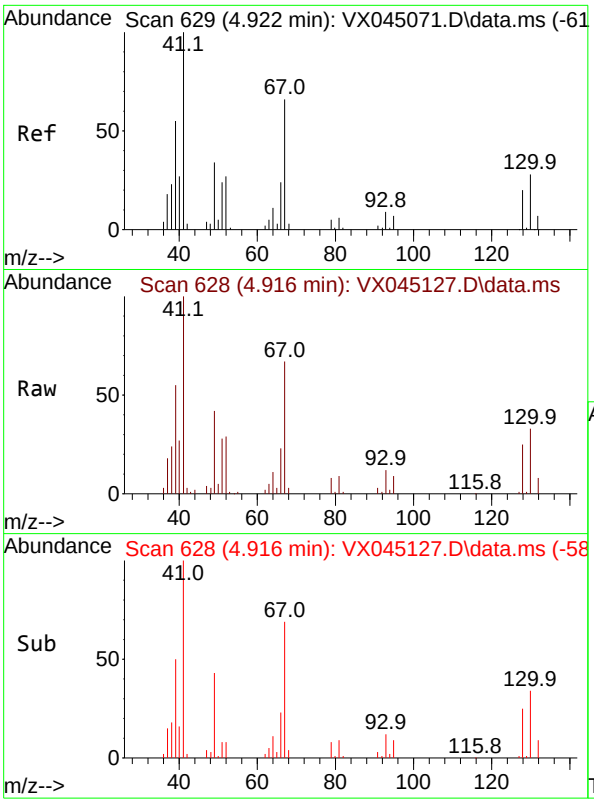


#40
Benzene
Concen: 48.900 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 78 Resp: 269708

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

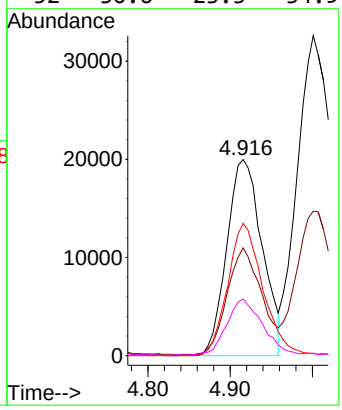




#41
Methacrylonitrile
Concen: 49.148 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 41 Resp: 5981

Ion	Ratio	Lower	Upper
41	100		
39	53.4	44.6	67.0
67	67.2	53.9	80.9
52	30.6	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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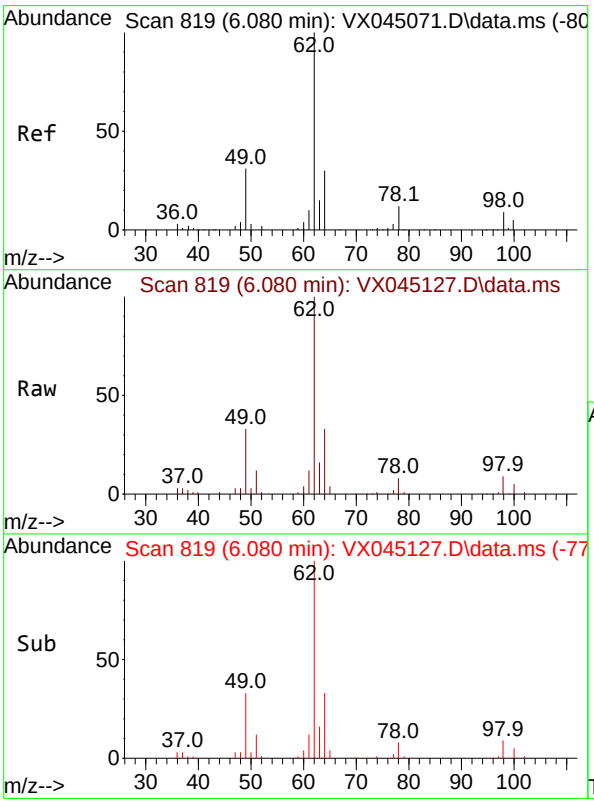
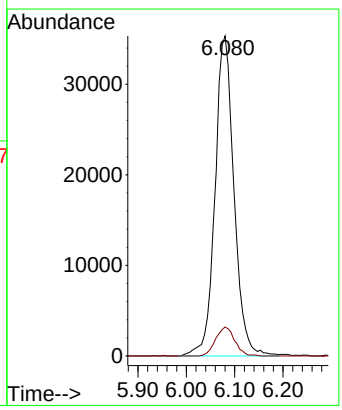
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

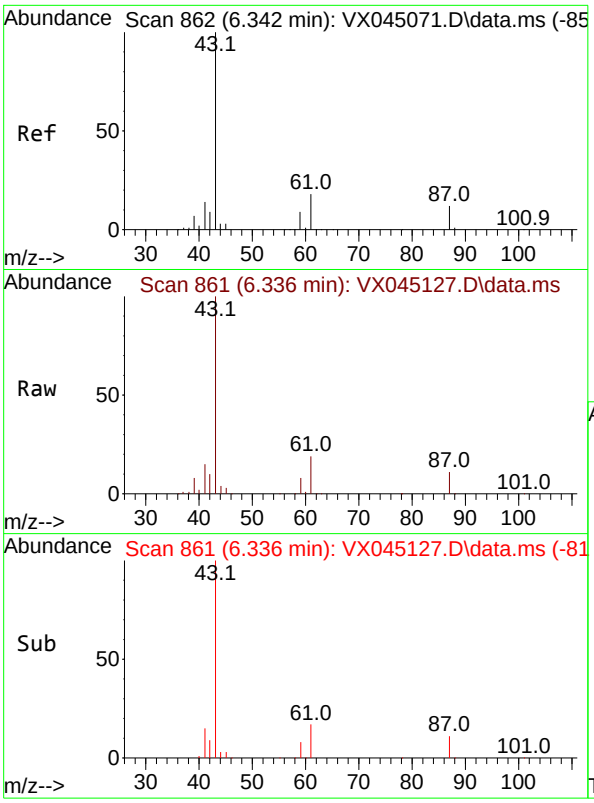


#42
1,2-Dichloroethane
Concen: 48.518 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 62 Resp: 96363

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

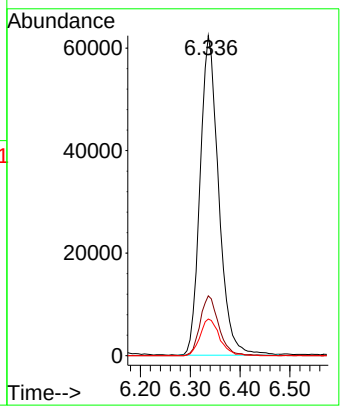




#43
Isopropyl Acetate
Concen: 48.480 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 43 Resp: 16134

Ion	Ratio	Lower	Upper
43	100		
61	18.8	14.9	22.3
87	12.0	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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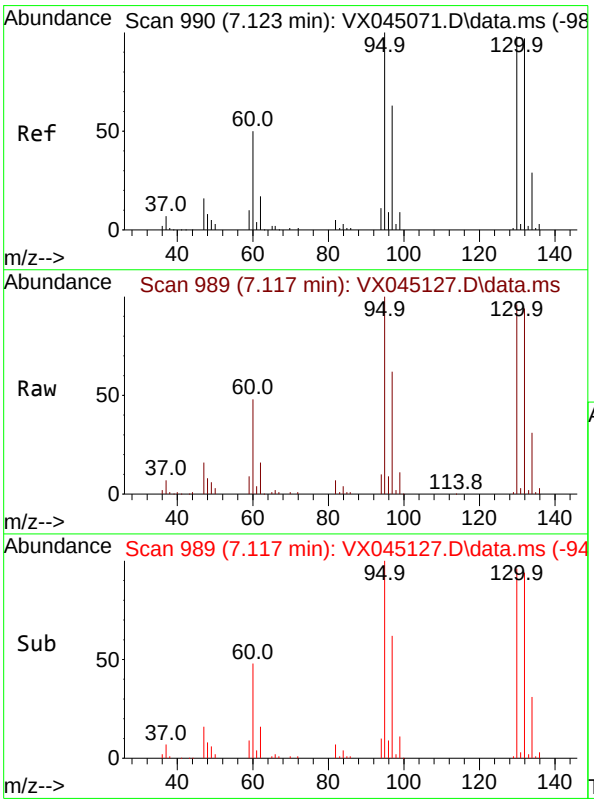
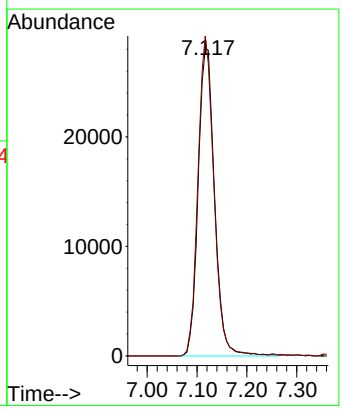
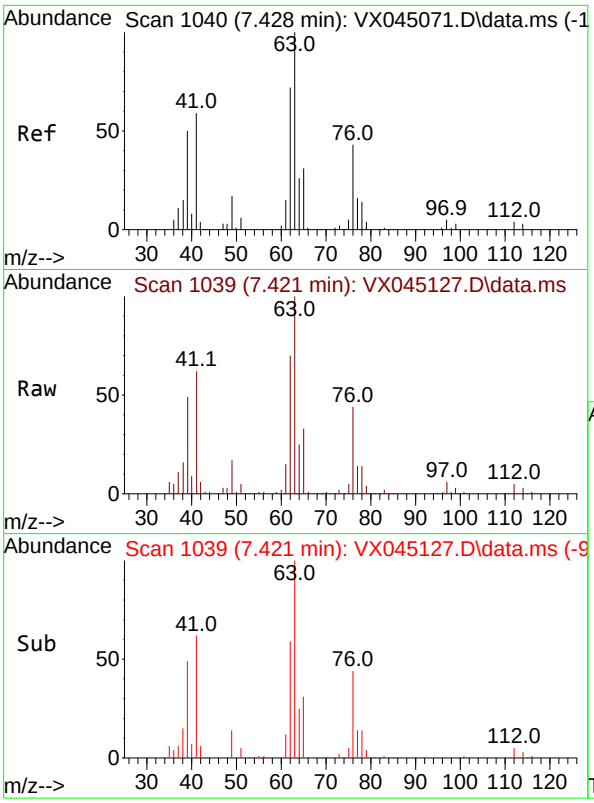


#44
Trichloroethene
Concen: 49.759 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:130 Resp: 64443

Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	205.0

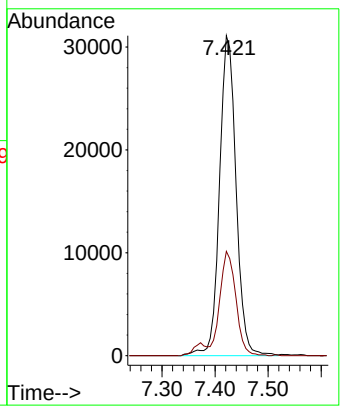




#45
1,2-Dichloropropane
Concen: 47.629 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 63 Resp: 6754

Ion	Ratio	Lower	Upper
63	100		
65	32.6	24.7	37.1



Instrument :
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ClientSampleId :
VSTDCCC050

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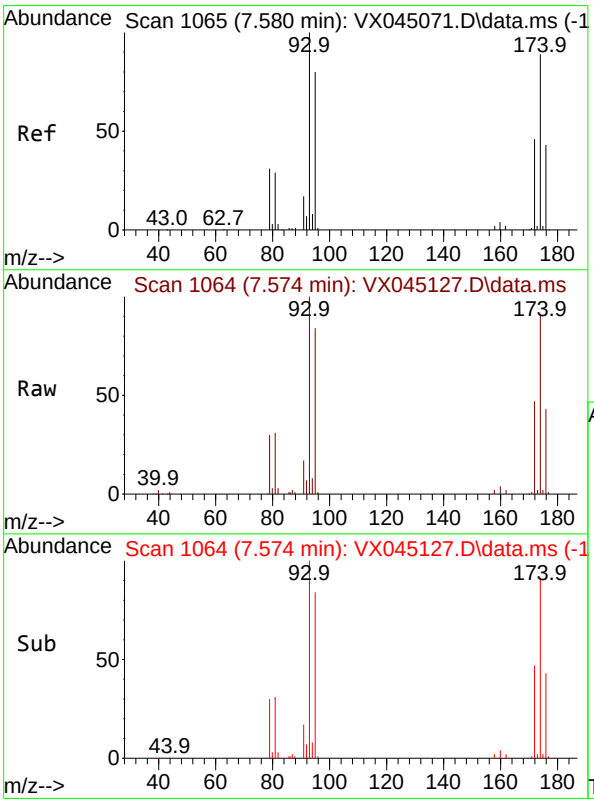
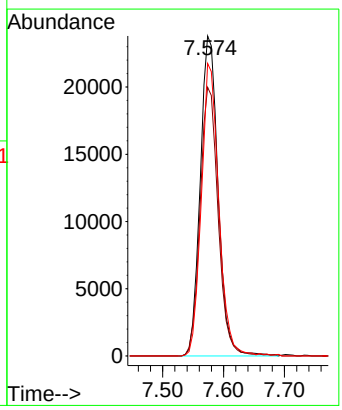
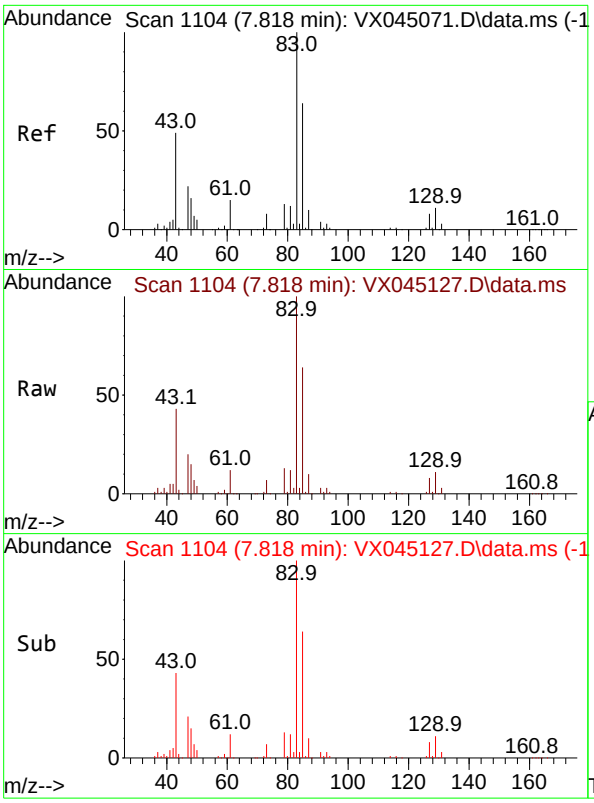


#46
Dibromomethane
Concen: 48.429 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 93 Resp: 48542

Ion	Ratio	Lower	Upper
93	100		
95	85.0	65.8	98.8
174	89.7	72.2	108.2

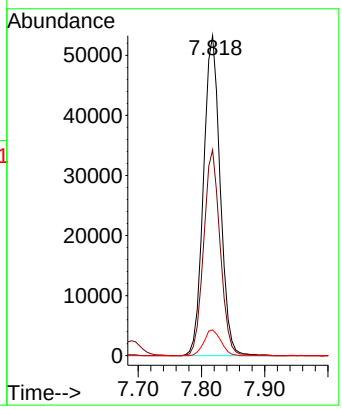




#47
Bromodichloromethane
Concen: 49.627 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 83 Resp: 9756

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	8.1	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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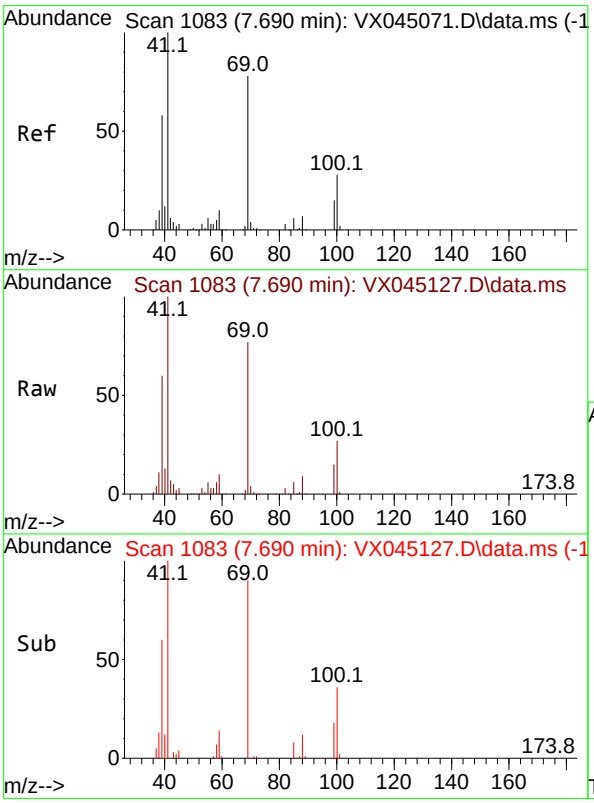
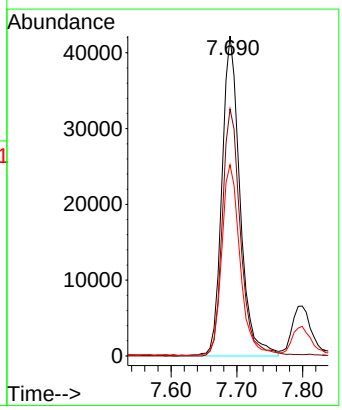
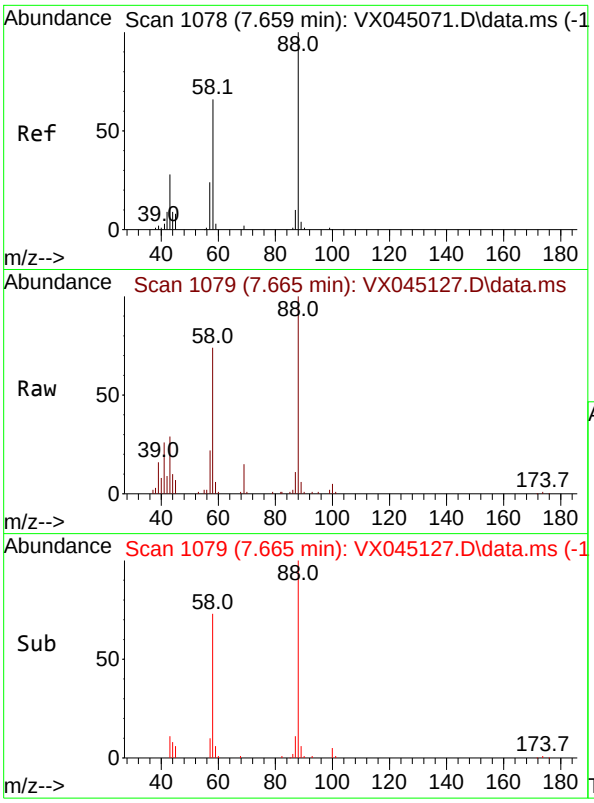


#48
Methyl methacrylate
Concen: 48.288 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 41 Resp: 80625

Ion	Ratio	Lower	Upper
41	100		
69	78.0	63.0	94.6
39	60.5	47.5	71.3





#49
1,4-Dioxane
Concen: 897.247 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 88 Resp: 3160

Ion	Ratio	Lower	Upper
88	100		
43	36.7	28.7	43.1
58	72.4	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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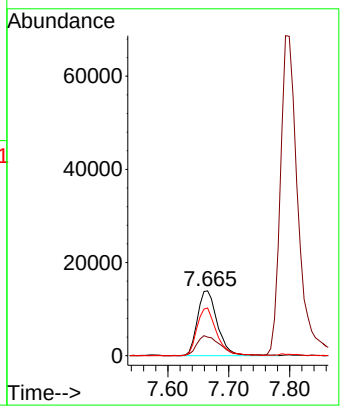
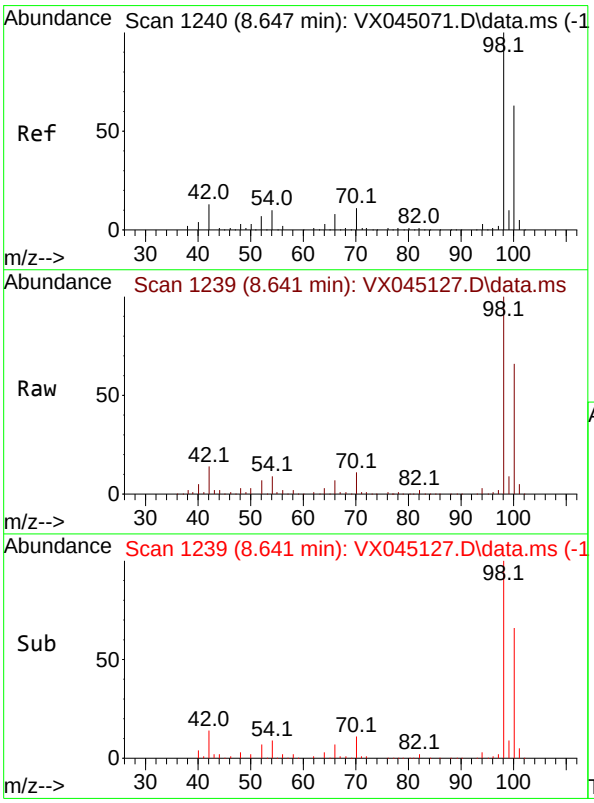
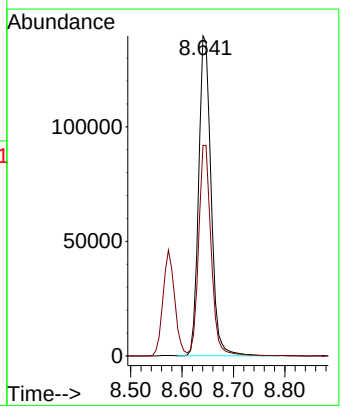


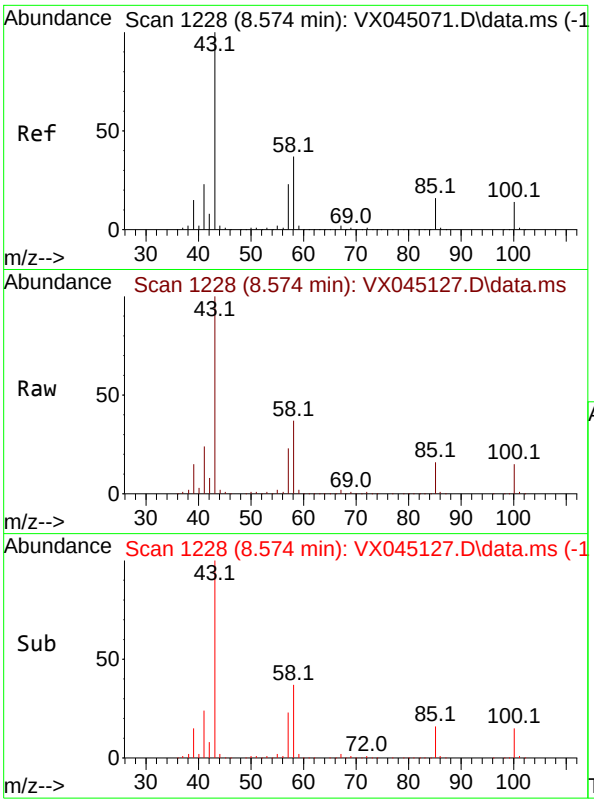


#50
Toluene-d8
Concen: 50.704 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 98 Resp: 234119

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.0	78.0

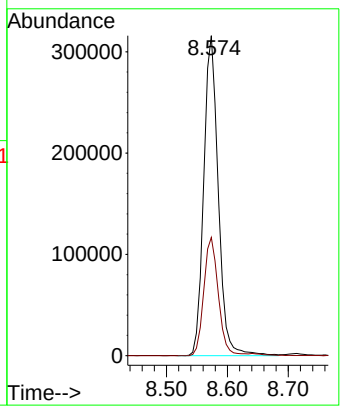




#51
4-Methyl-2-Pentanone
Concen: 234.470 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 43 Resp: 52395

Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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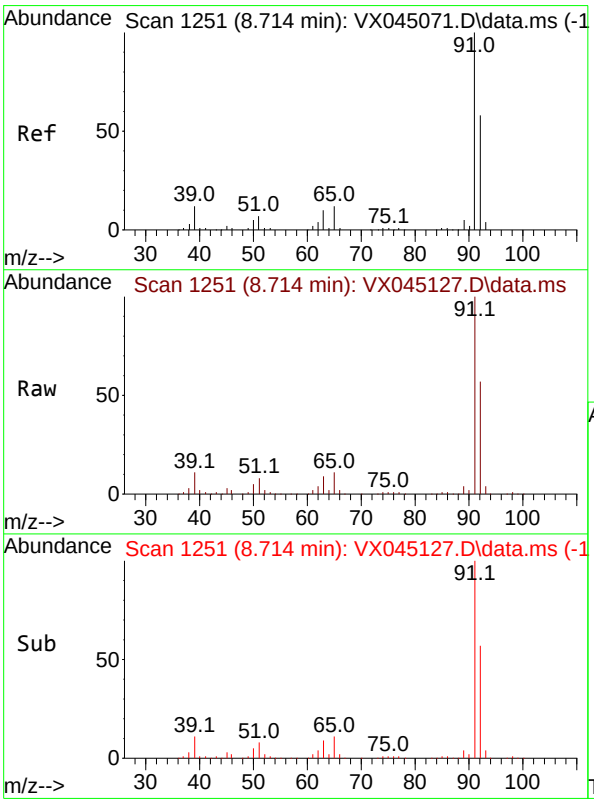
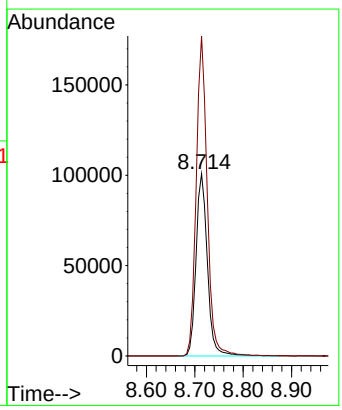
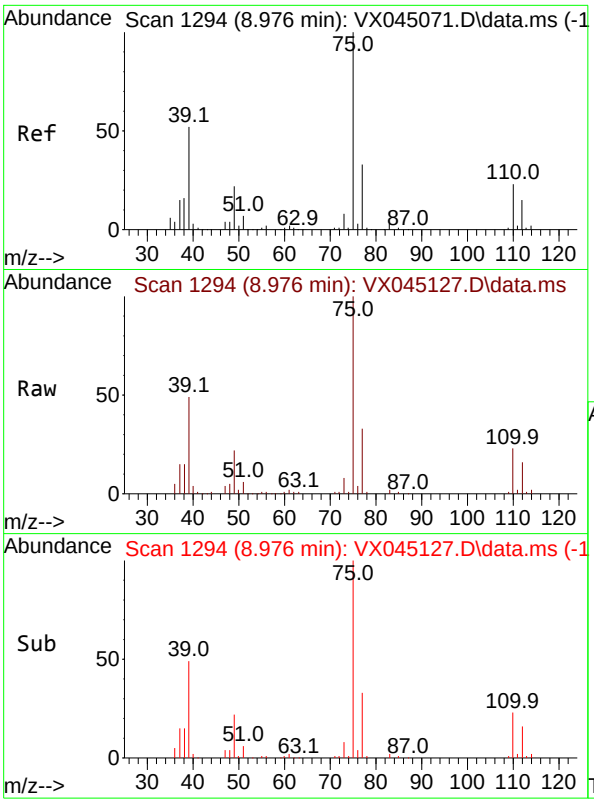


#52
Toluene
Concen: 50.472 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 92 Resp: 163330

Ion	Ratio	Lower	Upper
92	100		
91	171.0	138.9	208.3

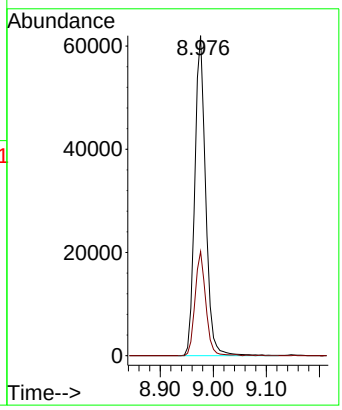




#53
t-1,3-Dichloropropene
Concen: 53.736 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 75 Resp: 8832

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.5	39.7



Instrument :
MSVOA_X
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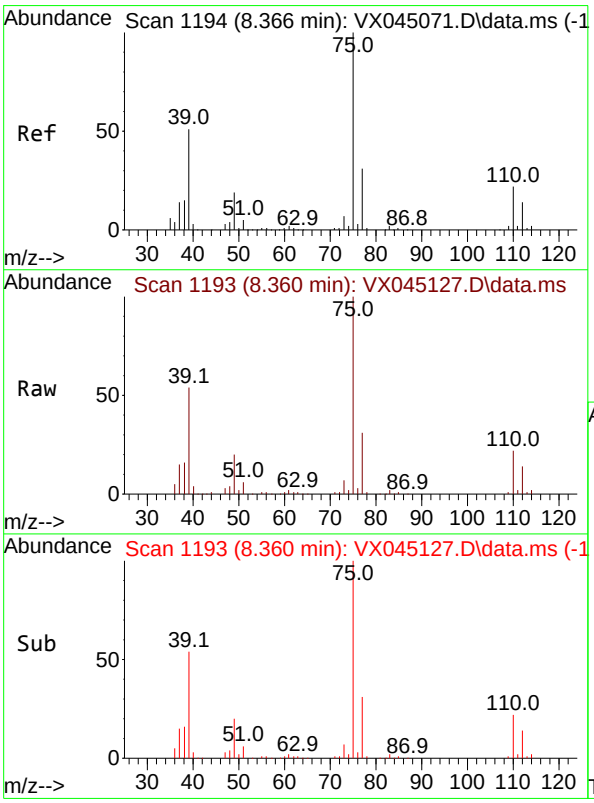
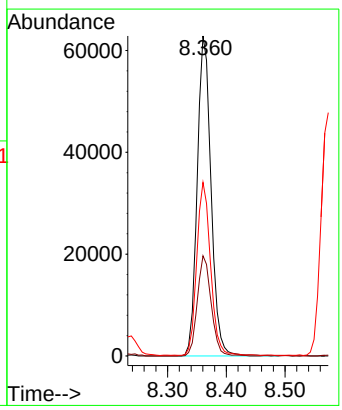
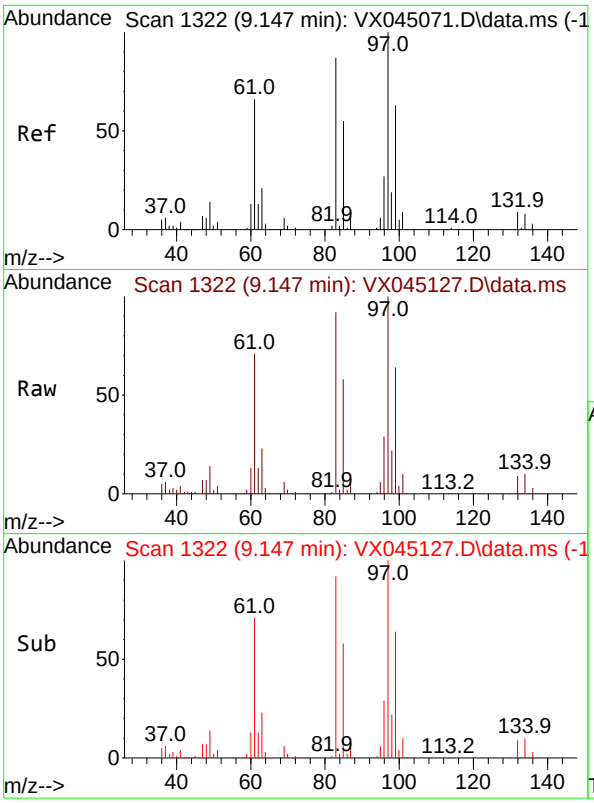


#54
cis-1,3-Dichloropropene
Concen: 53.733 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 75 Resp: 102986

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.7	37.1
39	54.1	40.7	61.1

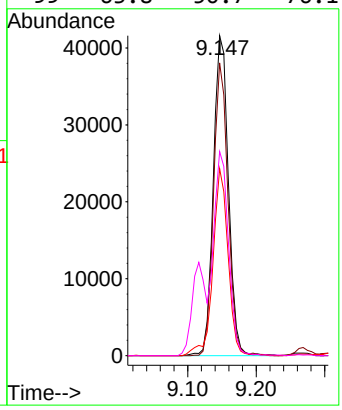




#55
1,1,2-Trichloroethane
Concen: 47.694 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 97 Resp: 6353

Ion	Ratio	Lower	Upper
97	100		
83	91.5	69.4	104.2
85	58.4	44.1	66.1
99	63.8	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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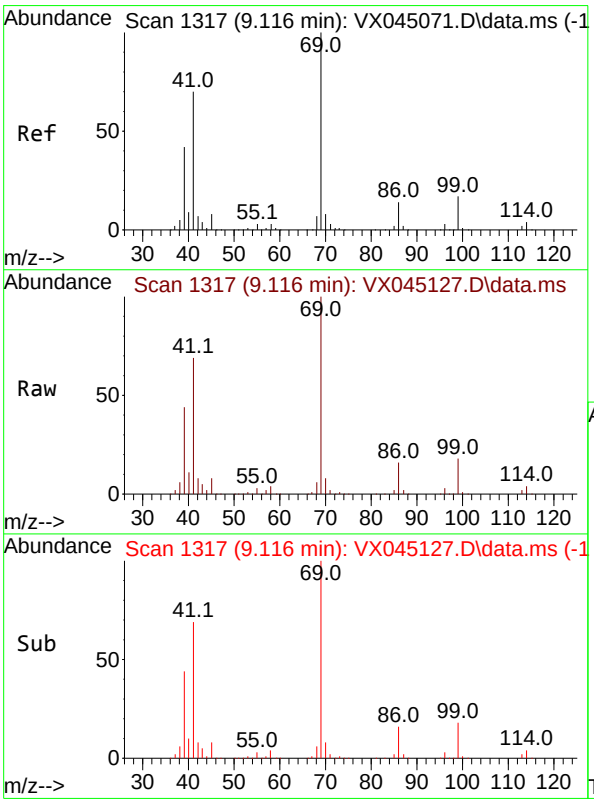
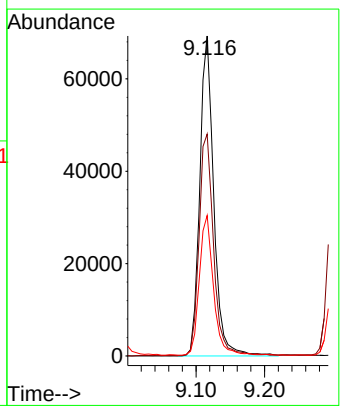
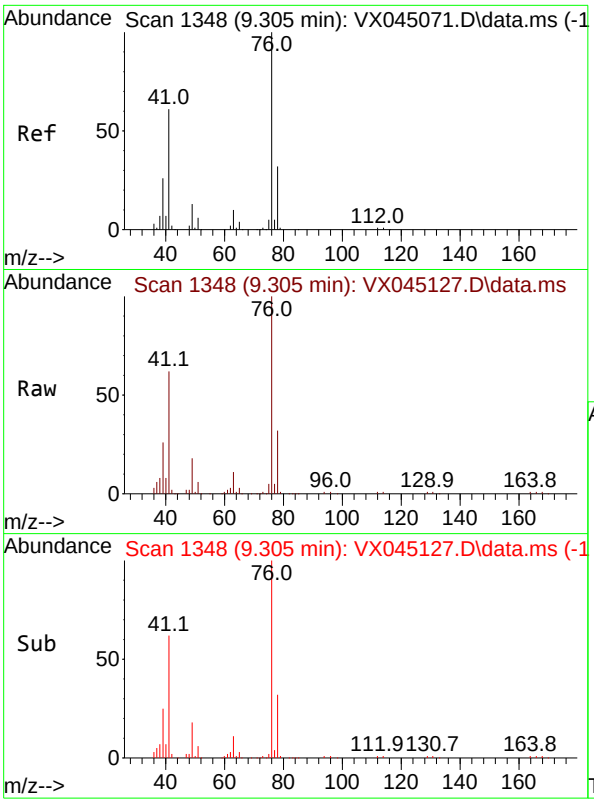


#56
Ethyl methacrylate
Concen: 48.771 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 69 Resp: 98764

Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.0	85.4
39	44.0	34.2	51.4

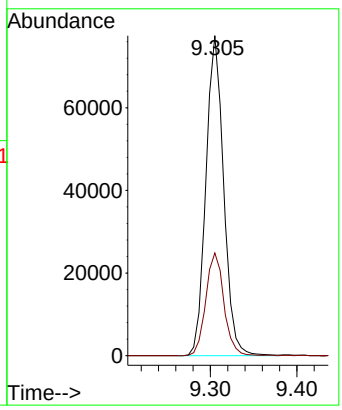




#57
1,3-Dichloropropane
Concen: 47.819 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 76 Resp: 11024

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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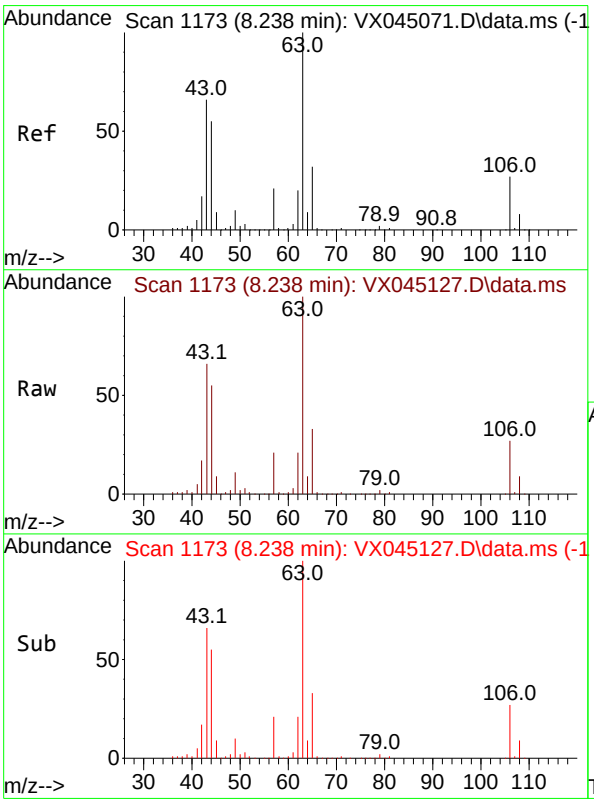
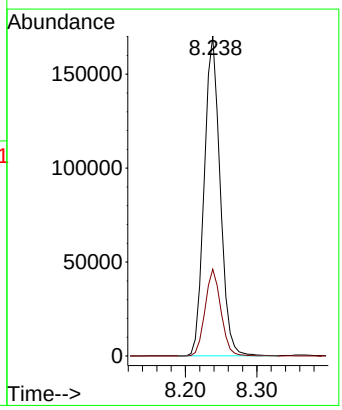
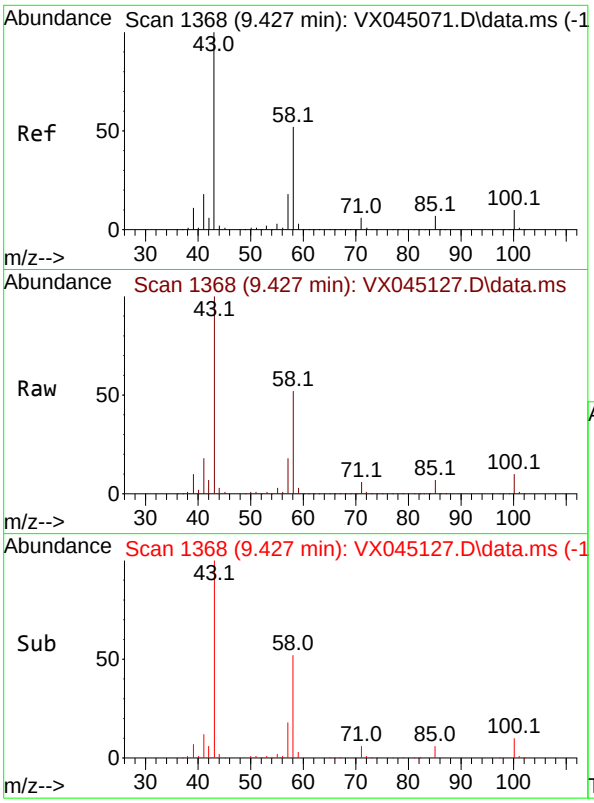


#58
2-Chloroethyl Vinyl ether
Concen: 266.477 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 63 Resp: 263234

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3





#59
2-Hexanone
Concen: 237.763 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 43 Resp: 38495

Ion	Ratio	Lower	Upper
43	100		
58	52.0	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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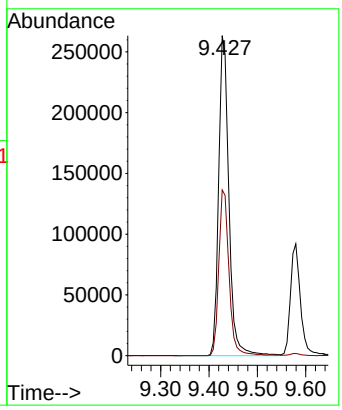
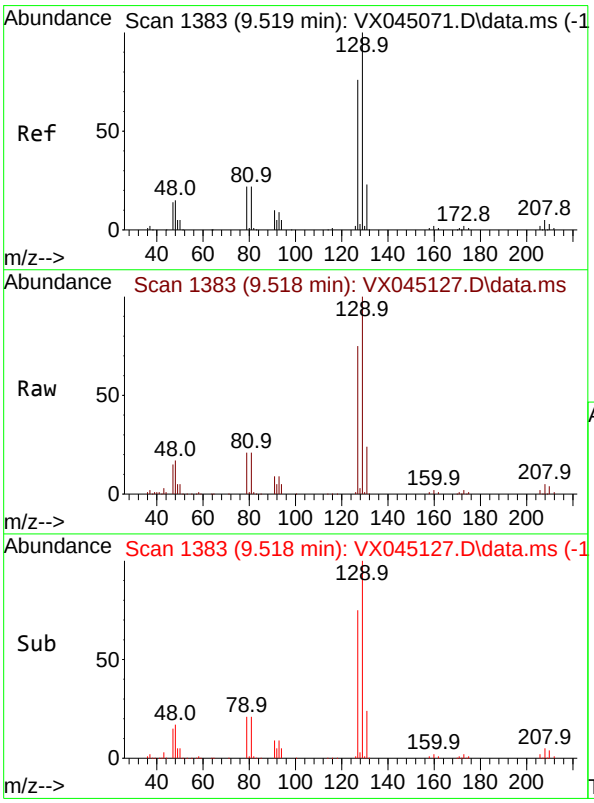
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

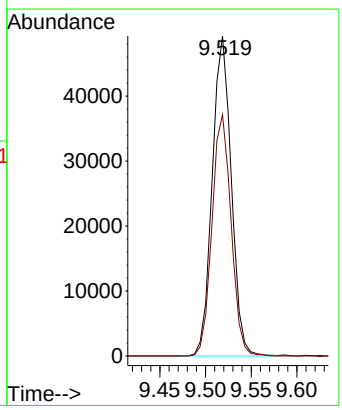


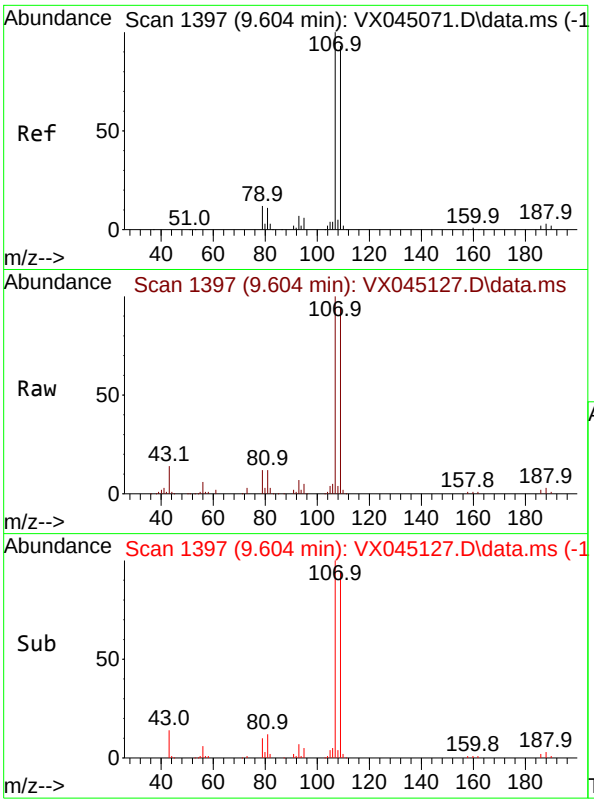


#60
Dibromochloromethane
Concen: 51.202 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:129 Resp: 71321

Ion	Ratio	Lower	Upper
129	100		
127	75.5	38.5	115.5

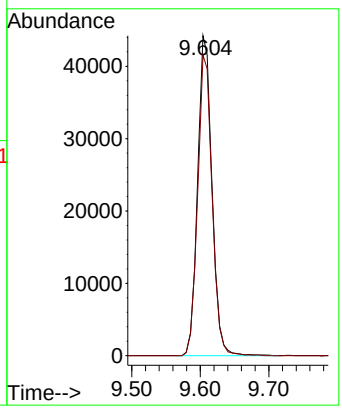




#61
1,2-Dibromoethane
Concen: 48.624 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:107 Resp: 6466

Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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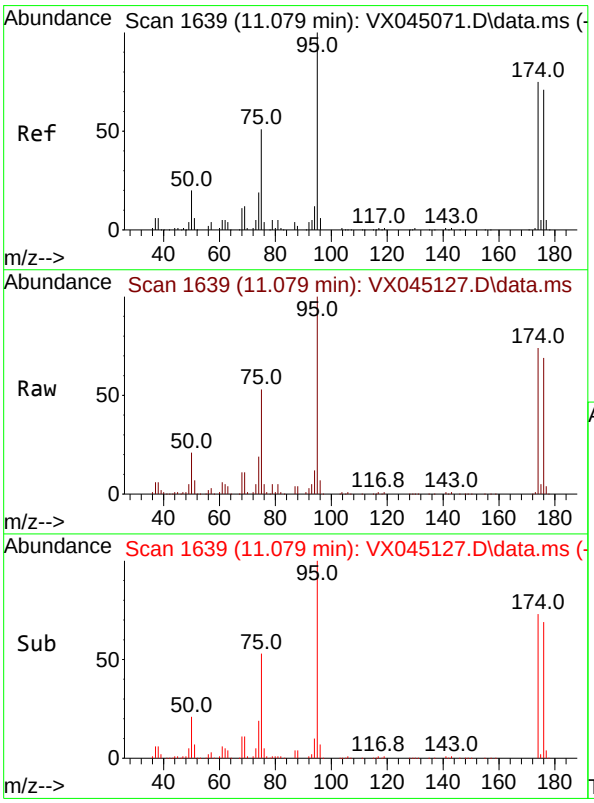
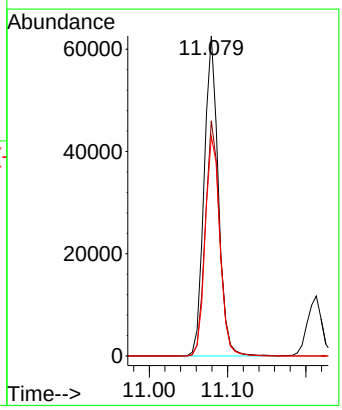
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

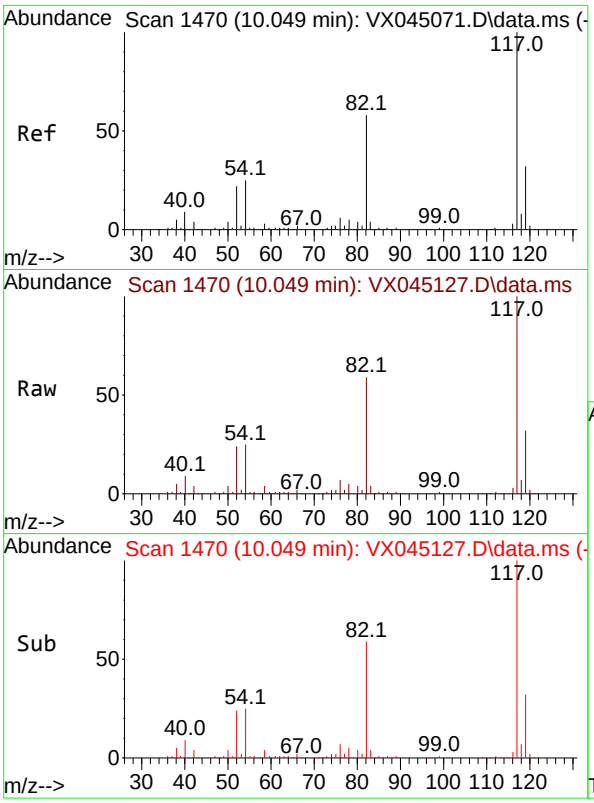


#62
4-Bromofluorobenzene
Concen: 51.246 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 95 Resp: 78409

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	148.2
176	71.1	0.0	141.4

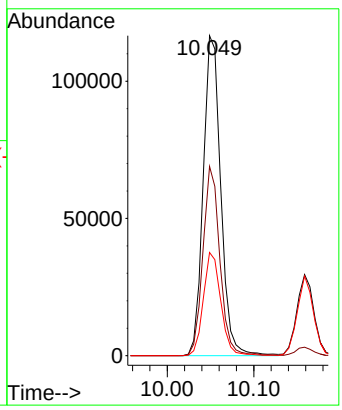




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:117 Resp: 16420

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.3	69.5
119	32.3	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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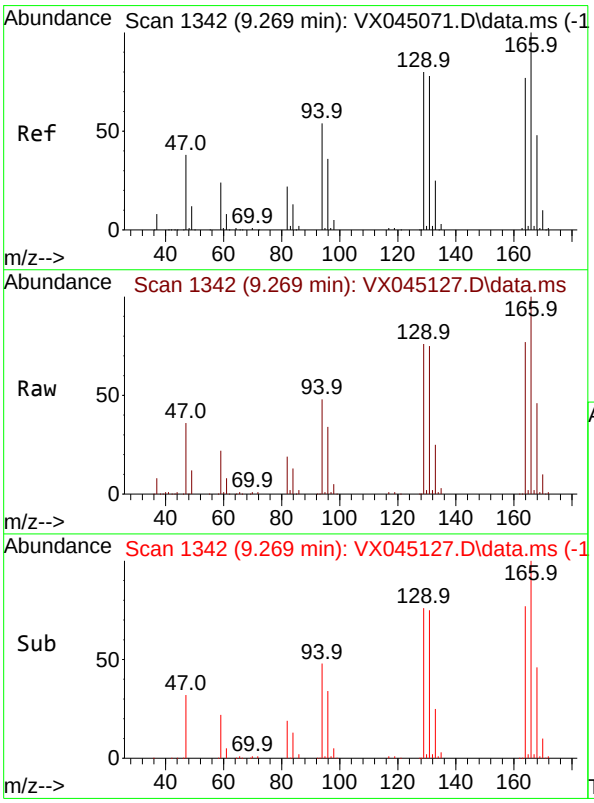
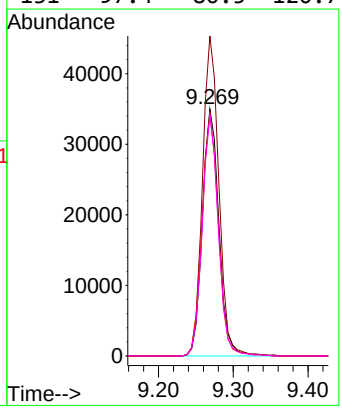
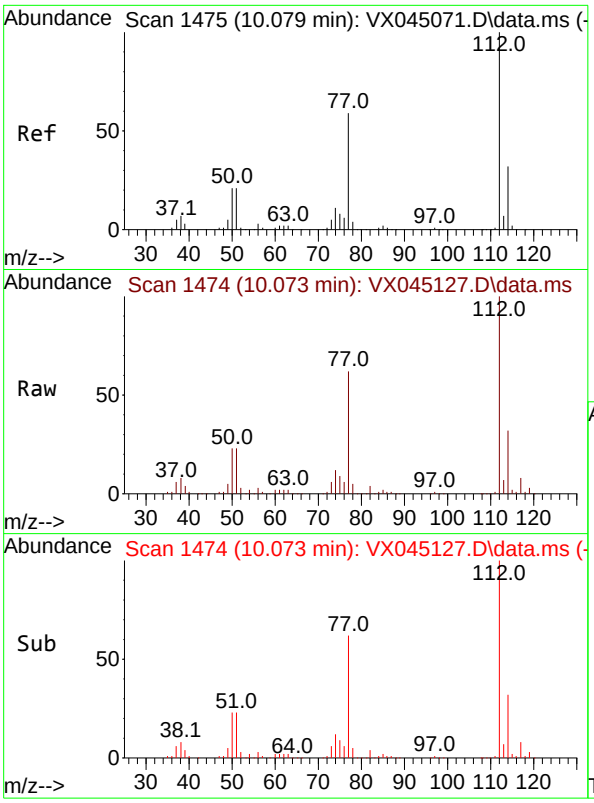


#64
Tetrachloroethene
Concen: 51.190 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:164 Resp: 53835

Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.6	155.4
129	98.2	82.7	124.1
131	97.4	80.5	120.7

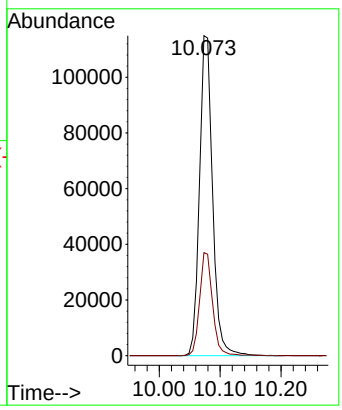




#65
Chlorobenzene
Concen: 49.344 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:112 Resp: 17144

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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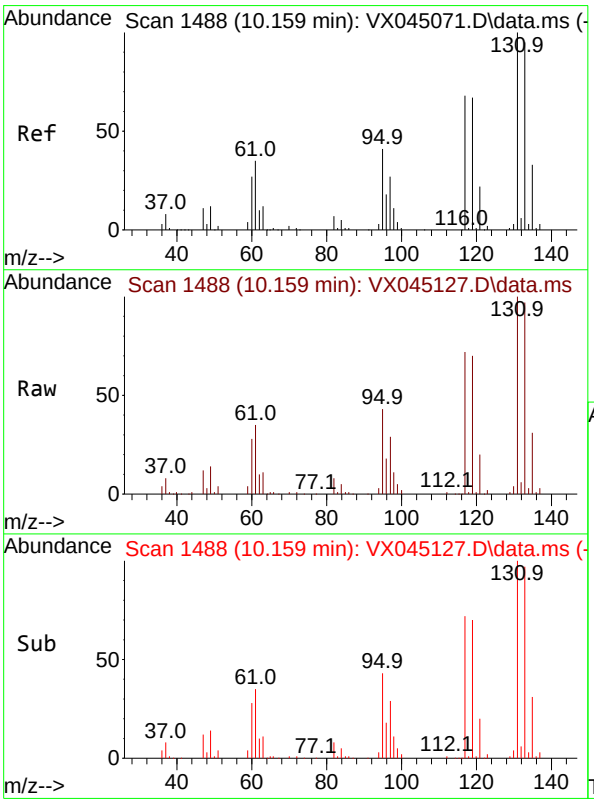
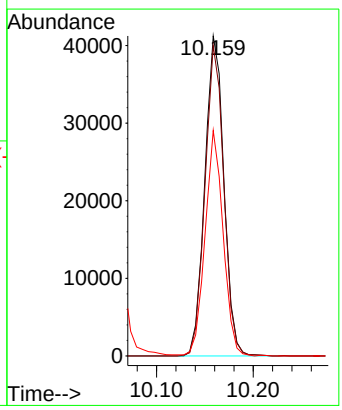
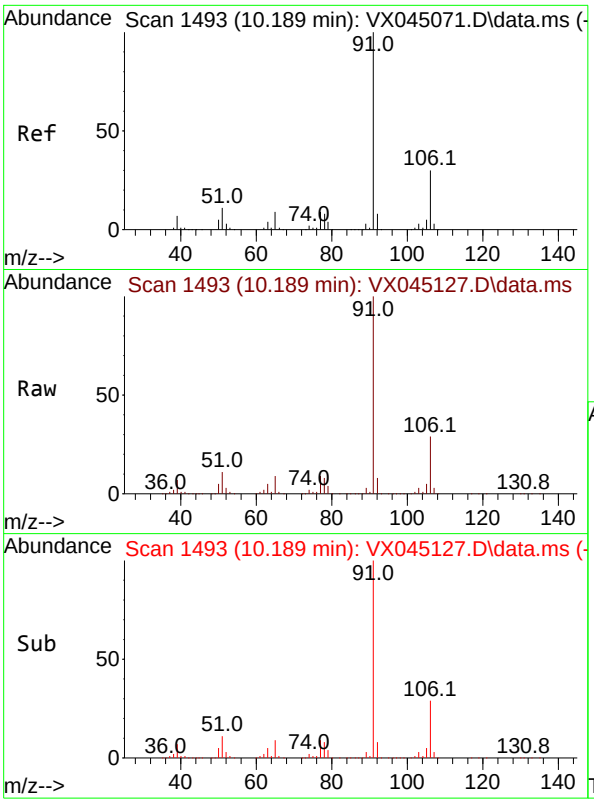


#66
1,1,1,2-Tetrachloroethane
Concen: 48.866 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:131 Resp: 56543

Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.6	145.9
119	67.0	33.9	101.7





#67
Ethyl Benzene
Concen: 50.920 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 91 Resp: 30828

Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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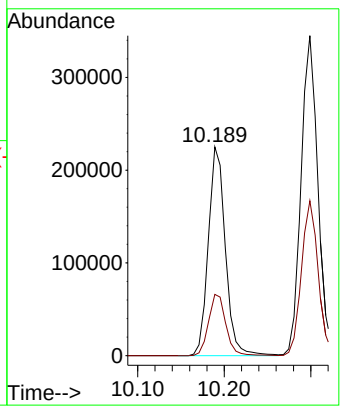
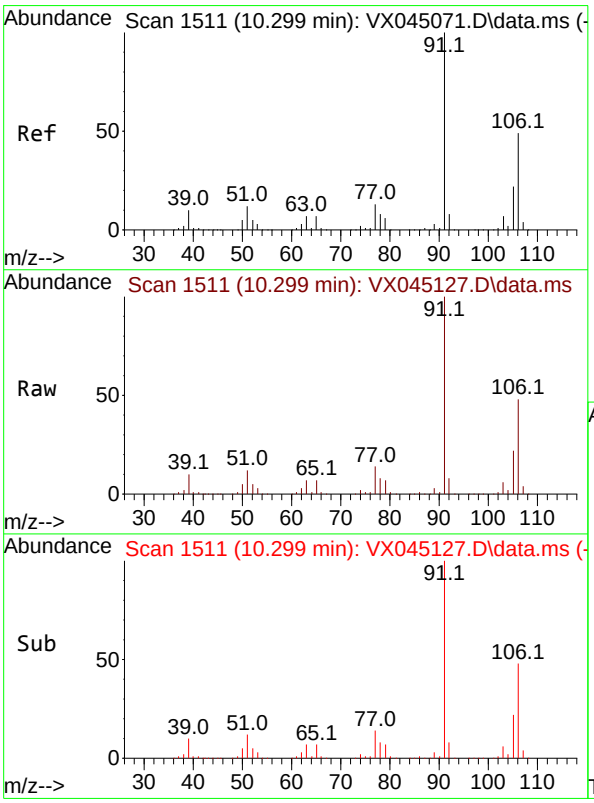
Supervised By :Mahesh Dadoda 03/06/2025

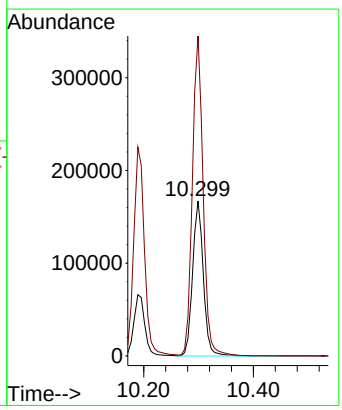


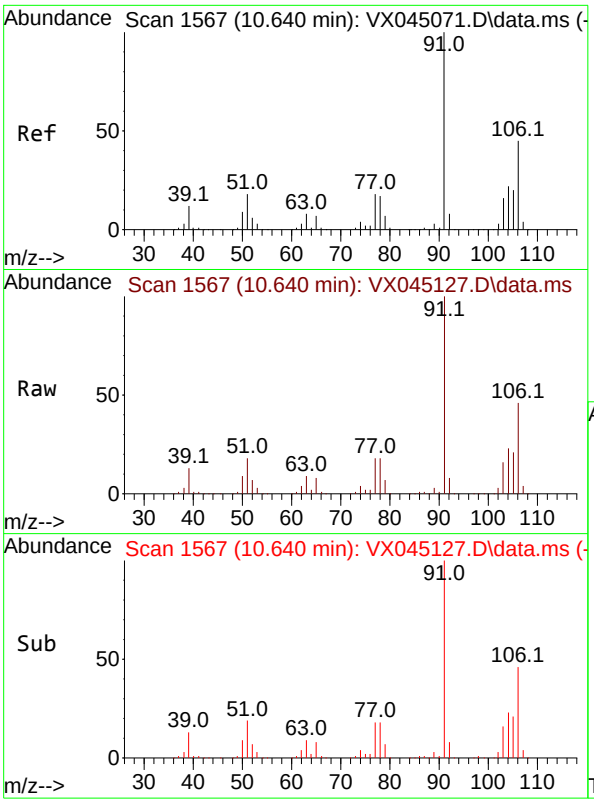


#68
m/p-Xylenes
Concen: 102.932 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:106 Resp: 228130

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.4	248.0

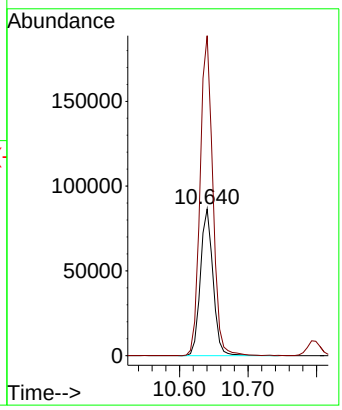




#69
o-Xylene
Concen: 49.692 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:106 Resp: 11107

Ion	Ratio	Lower	Upper
106	100		
91	218.6	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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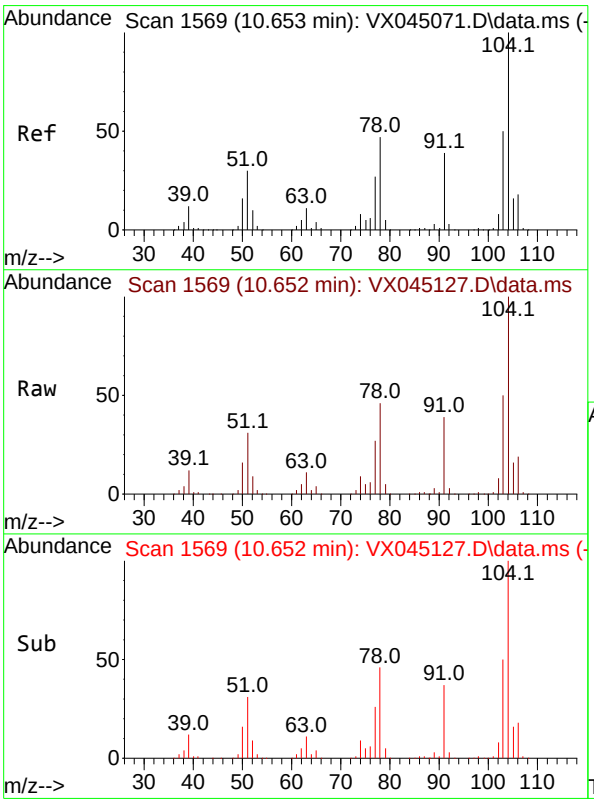
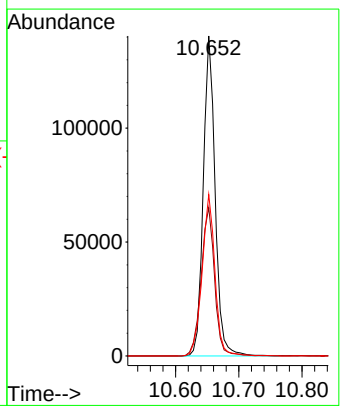
Supervised By :Mahesh Dadoda 03/06/2025

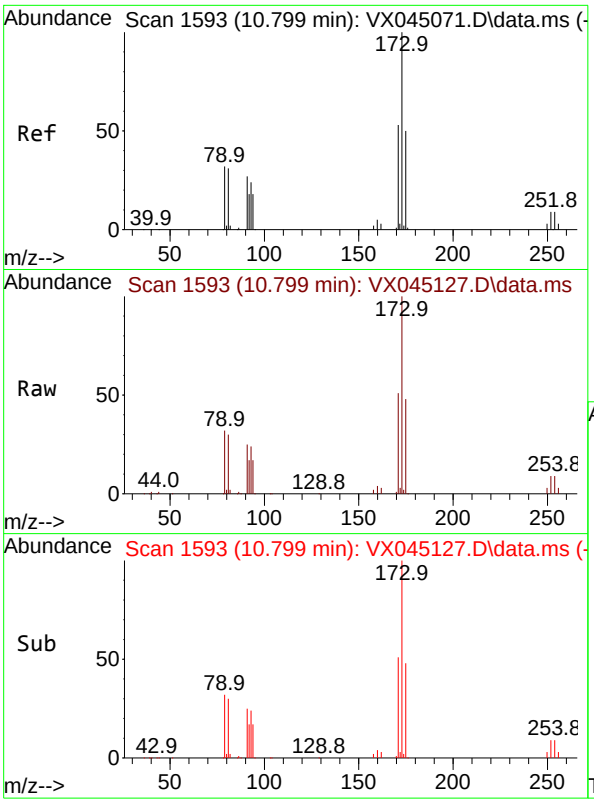


#70
Styrene
Concen: 50.763 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:104 Resp: 183603

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	54.9	43.8	65.8





#71
Bromoform
Concen: 51.176 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:173 Resp: 4465

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	73.6
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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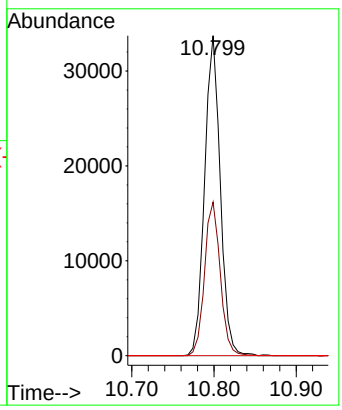
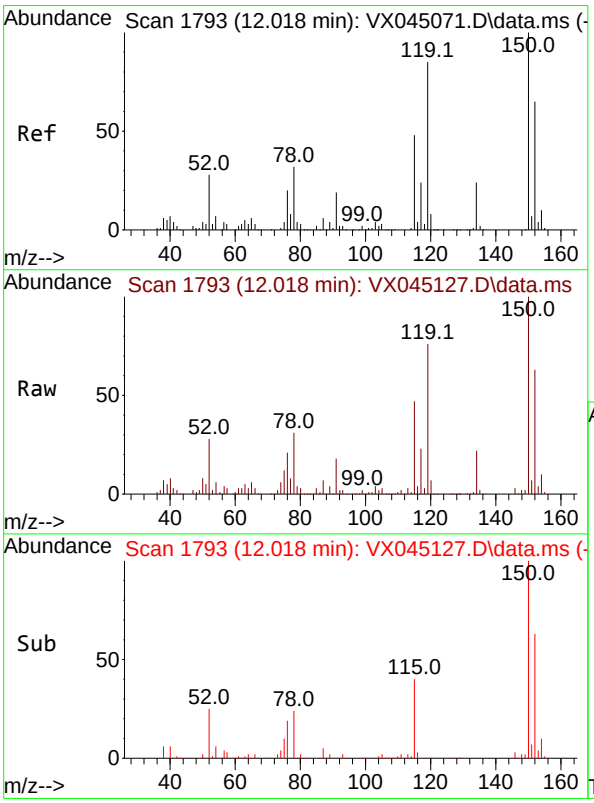
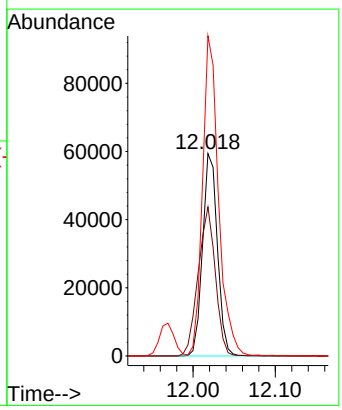


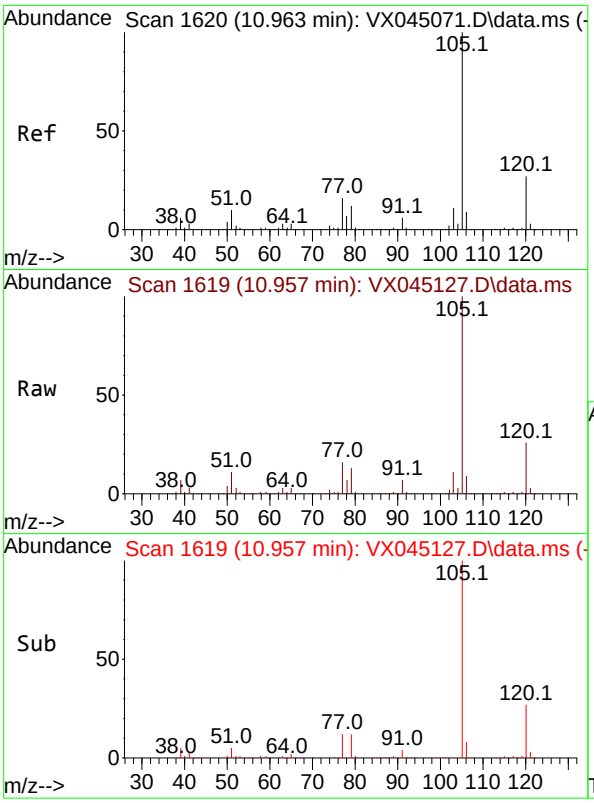


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:152 Resp: 74481

Ion	Ratio	Lower	Upper
152	100		
115	85.2	44.2	132.6
150	170.7	0.0	349.0

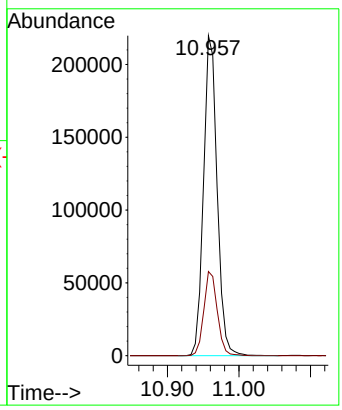




#73
Isopropylbenzene
Concen: 49.882 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:105 Resp: 28998

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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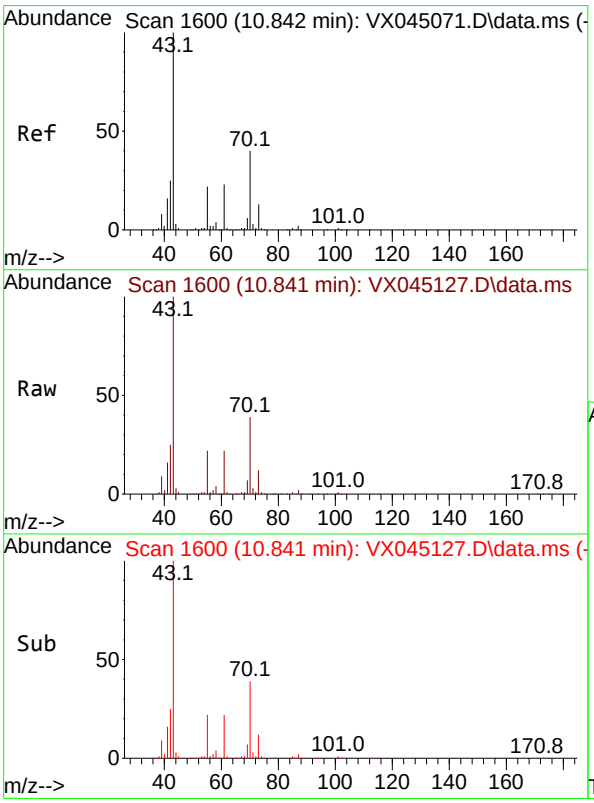
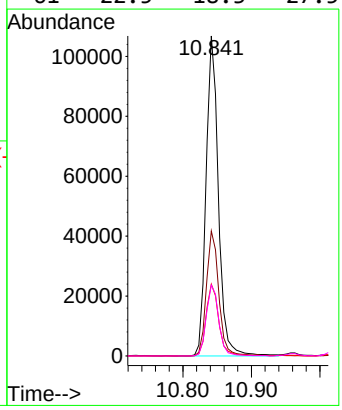
Supervised By :Mahesh Dadoda 03/06/2025

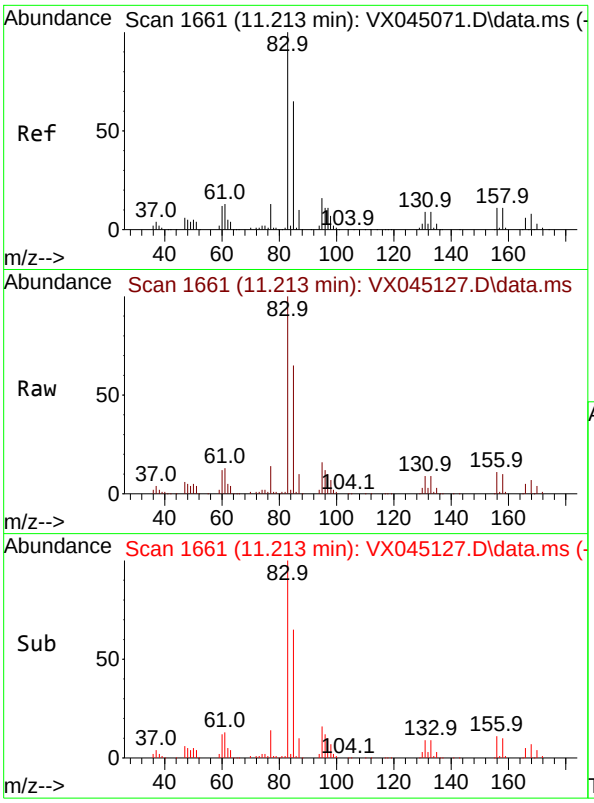


#74
N-amyl acetate
Concen: 49.015 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 43 Resp: 133706

Ion	Ratio	Lower	Upper
43	100		
70	39.3	31.8	47.6
55	22.9	18.3	27.5
61	22.5	18.3	27.5

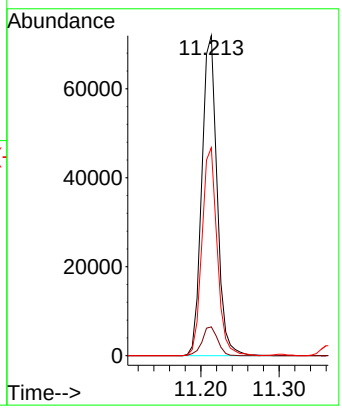




#75
1,1,2,2-Tetrachloroethane
Concen: 45.510 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 83 Resp: 9708

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	64.8	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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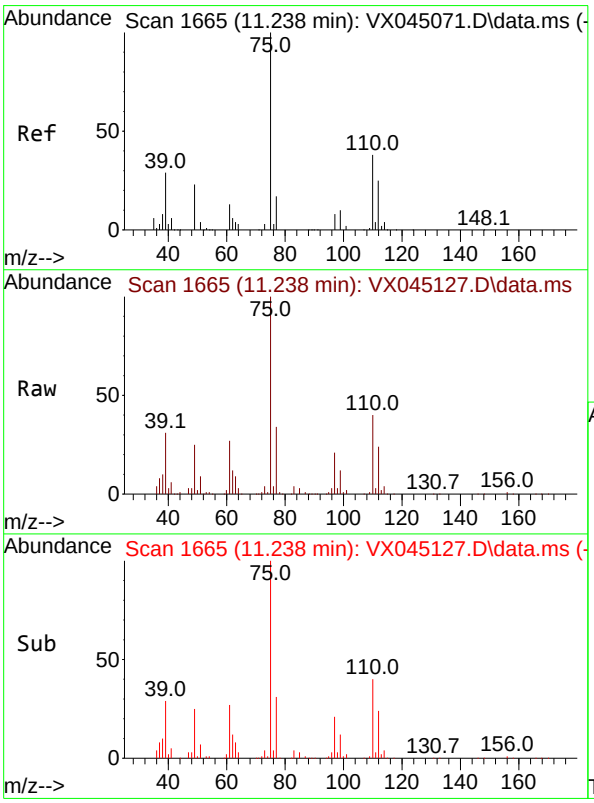
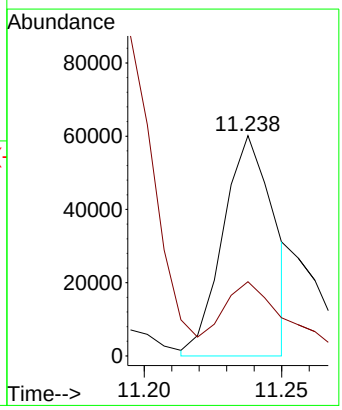
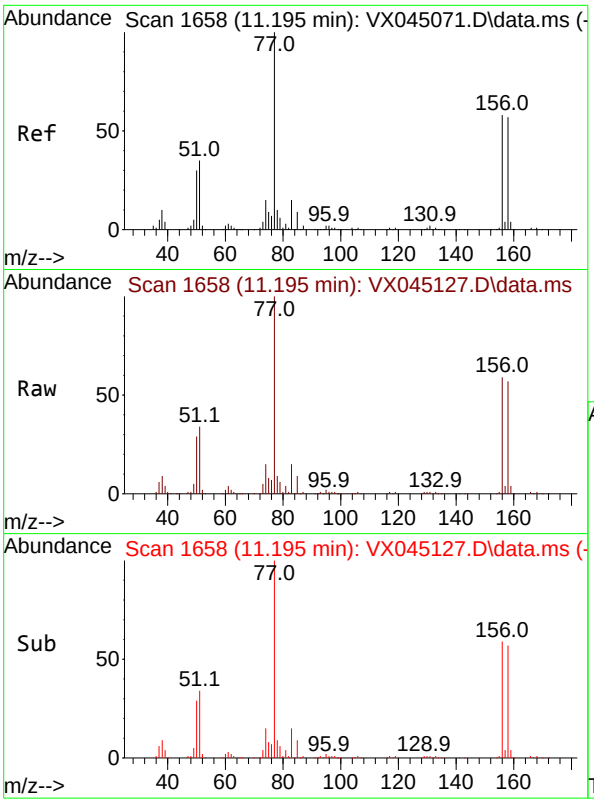


#76
1,2,3-Trichloropropane
Concen: 44.663 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 75 Resp: 77426

Ion	Ratio	Lower	Upper
75	100		
77	43.0	20.7	62.1





#77
Bromobenzene
Concen: 48.083 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:156 Resp: 6595

Ion	Ratio	Lower	Upper
156	100		
77	169.8	85.8	257.4
158	97.1	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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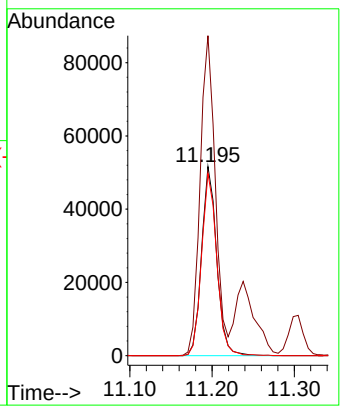
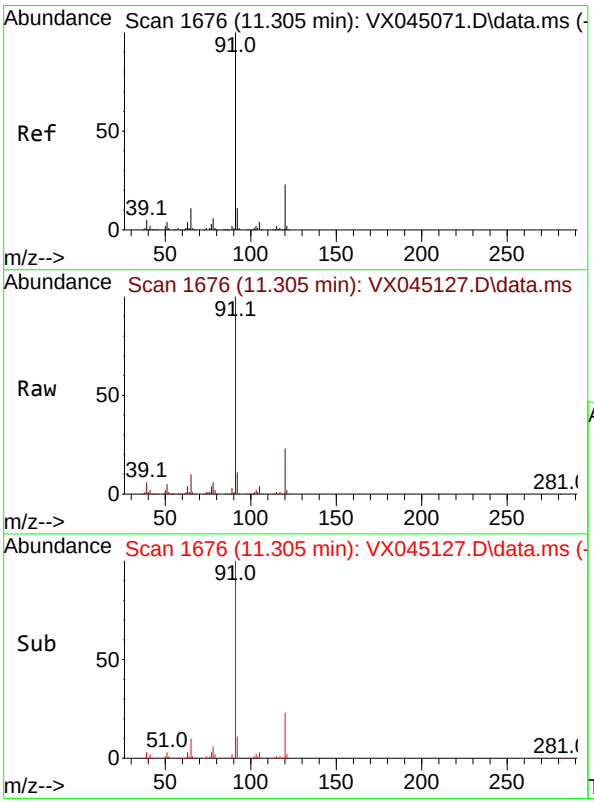
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

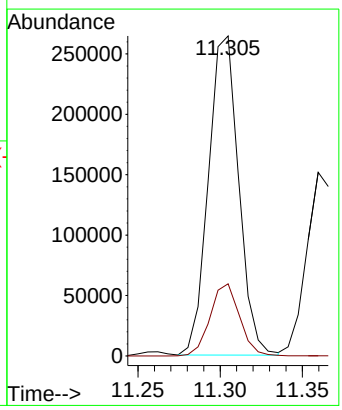


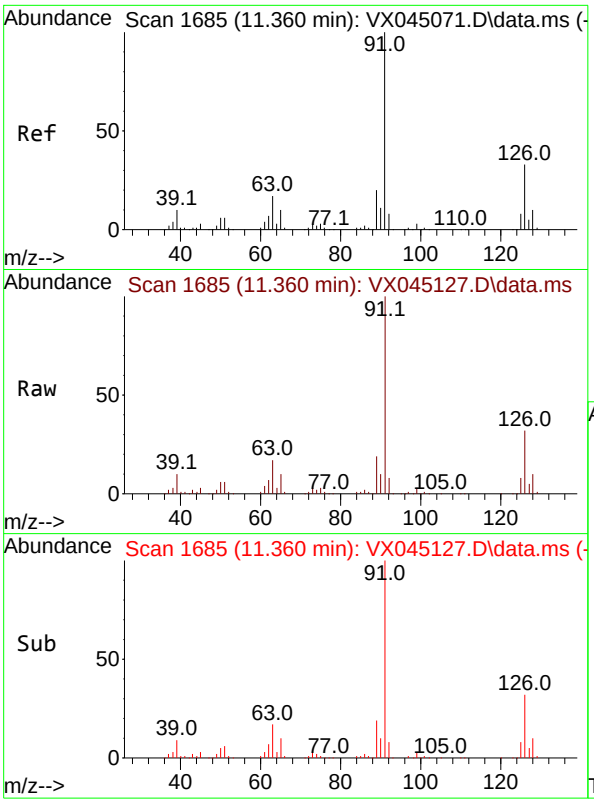


#78
n-propylbenzene
Concen: 51.552 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 91 Resp: 338544

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.2	33.6





#79
2-Chlorotoluene
Concen: 47.083 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 91 Resp: 19691

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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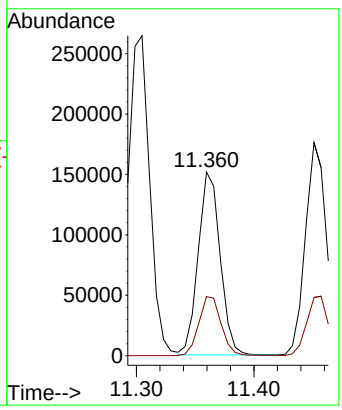
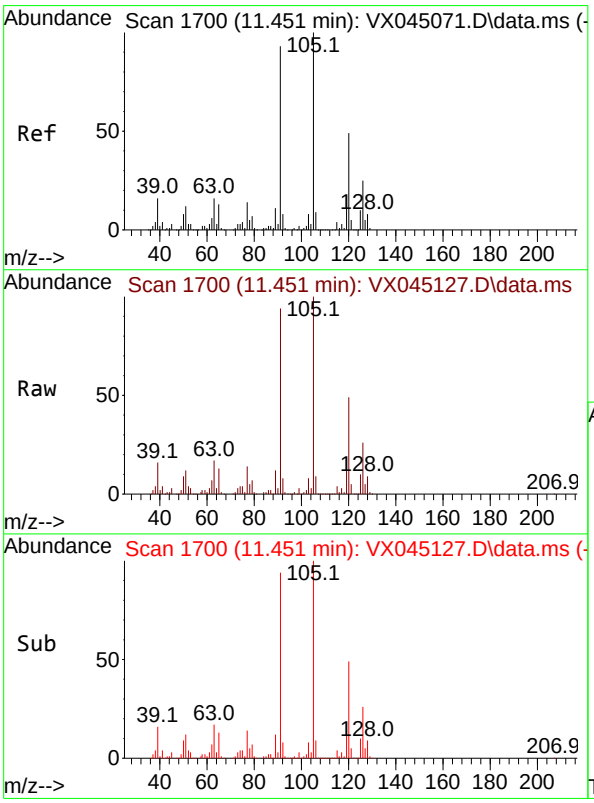
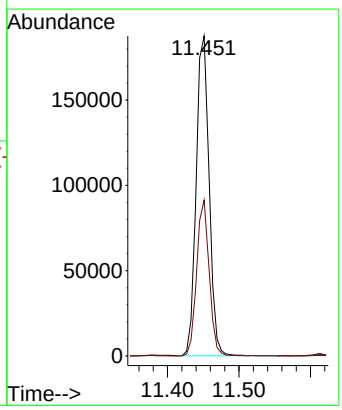


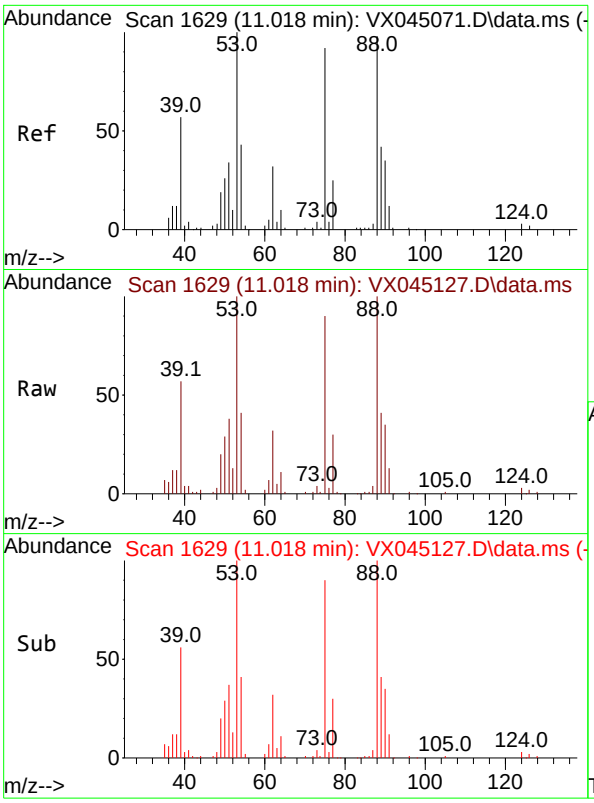


#80
1,3,5-Trimethylbenzene
Concen: 50.163 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:105 Resp: 235799

Ion	Ratio	Lower	Upper
105	100		
120	47.2	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 51.395 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 75 Resp: 2603

Ion	Ratio	Lower	Upper
75	100		
53	113.7	88.5	132.7
89	45.5	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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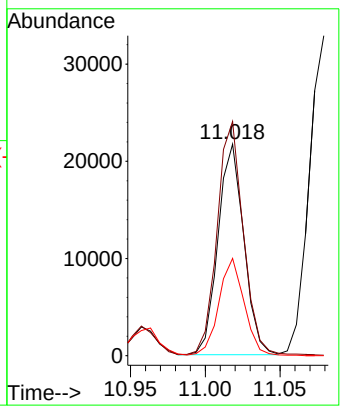
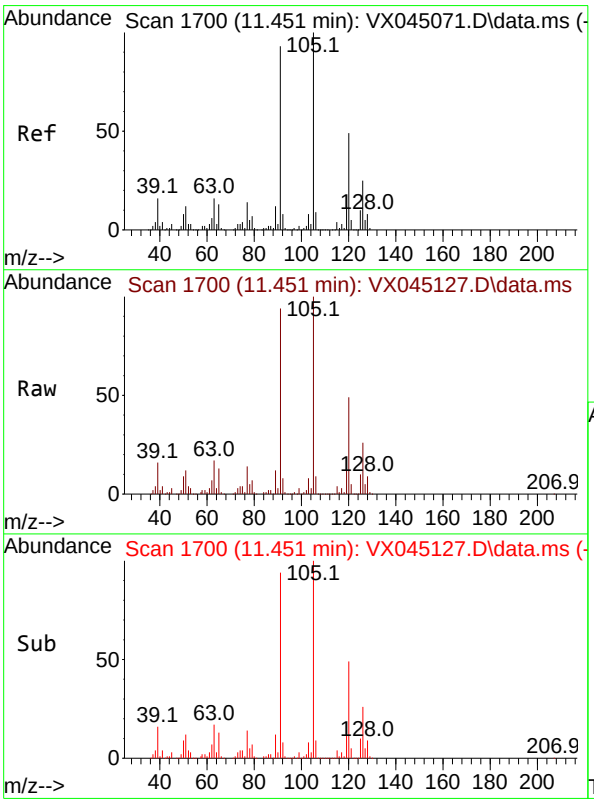
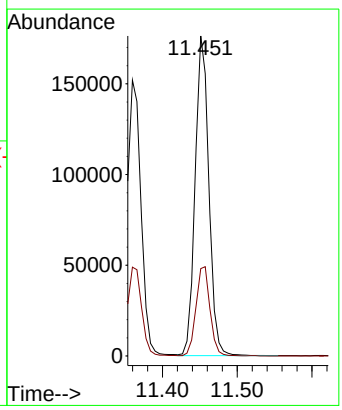


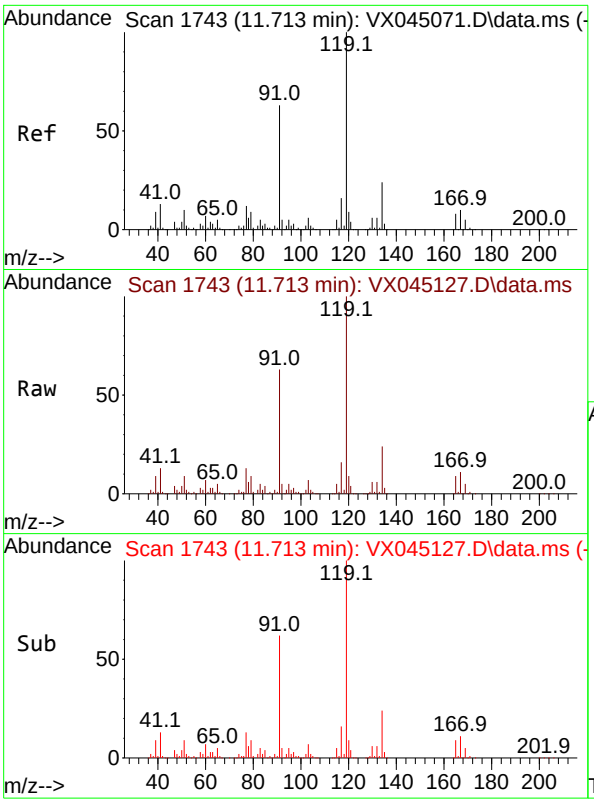


#82
4-Chlorotoluene
Concen: 49.137 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 91 Resp: 223976

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.1	42.4





#83
tert-Butylbenzene
Concen: 48.210 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:119 Resp: 23284

Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.7	92.1
134	23.3	11.7	35.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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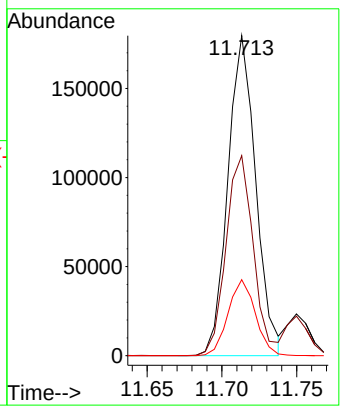
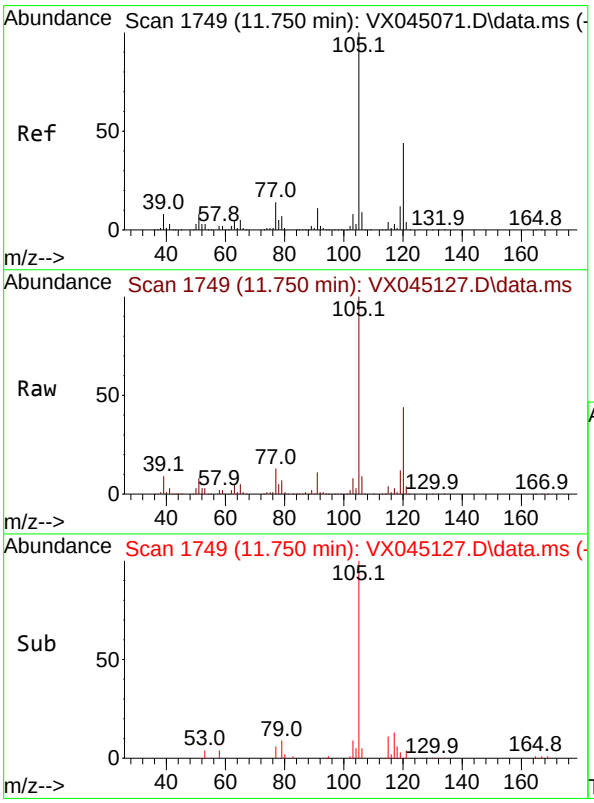
Supervised By :Mahesh Dadoda 03/06/2025

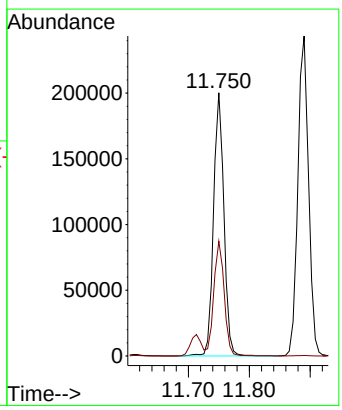


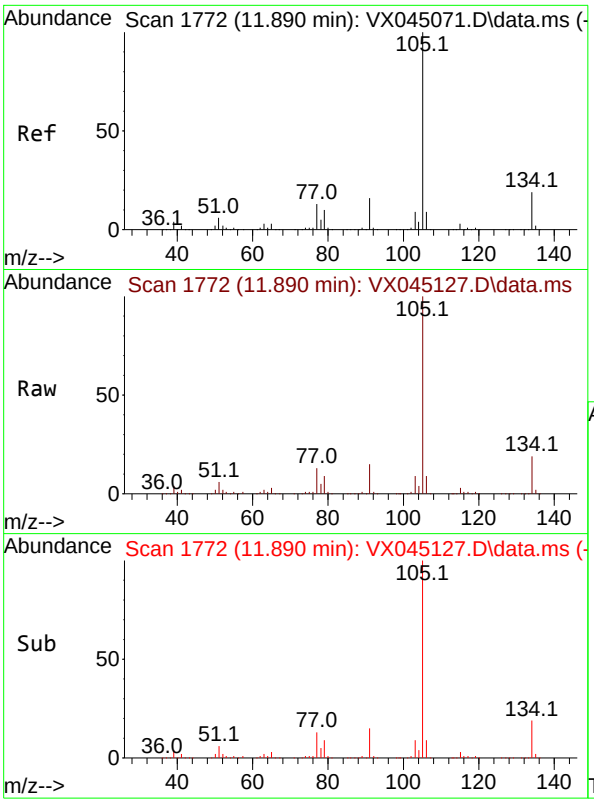


#84
1,2,4-Trimethylbenzene
Concen: 49.949 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:105 Resp: 236246

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.1





#85
sec-Butylbenzene
Concen: 51.530 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:105 Resp: 29812

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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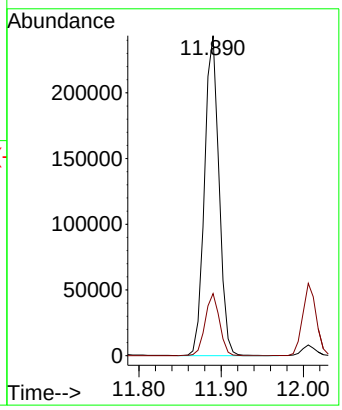
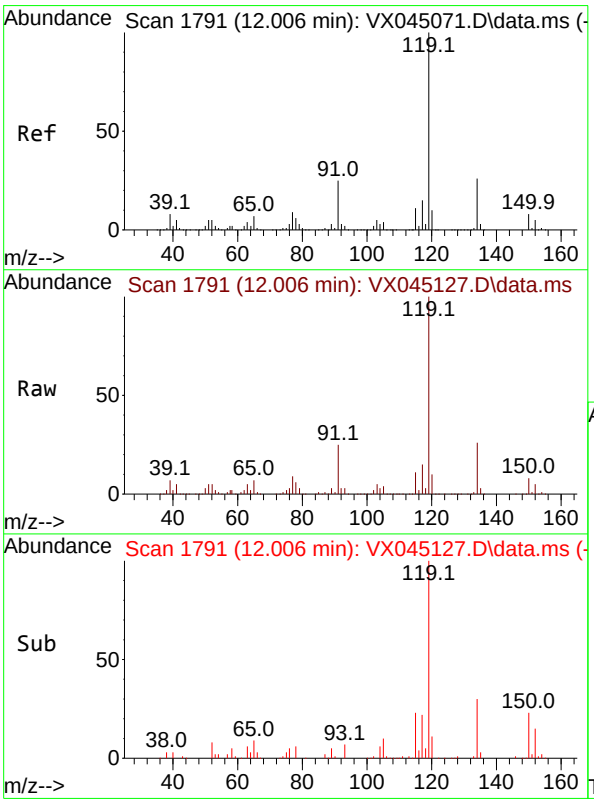
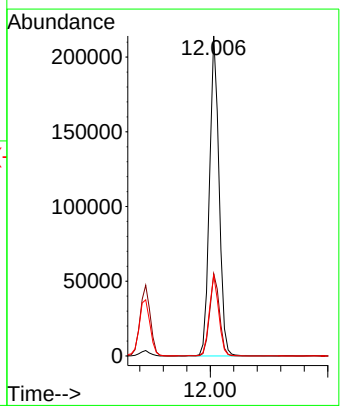


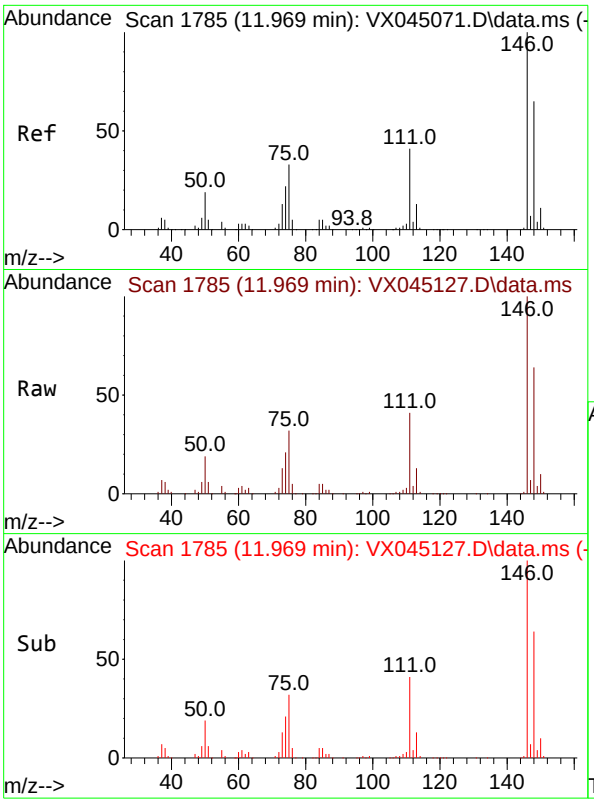


#86
p-Isopropyltoluene
Concen: 51.761 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:119 Resp: 242004

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	25.0	12.7	38.0





#87
1,3-Dichlorobenzene
Concen: 48.641 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:146 Resp: 11902

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.8	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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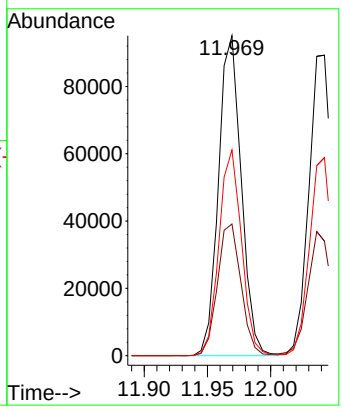
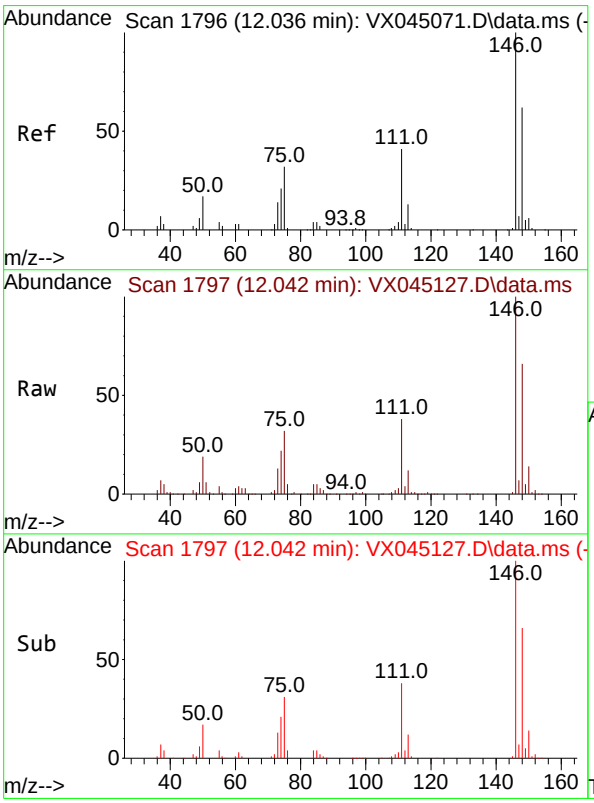
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

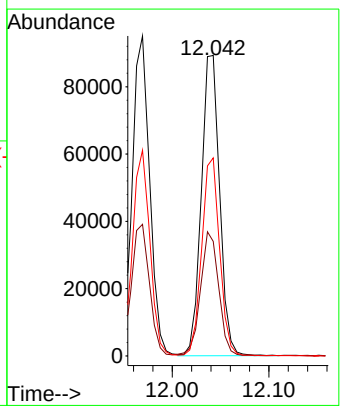


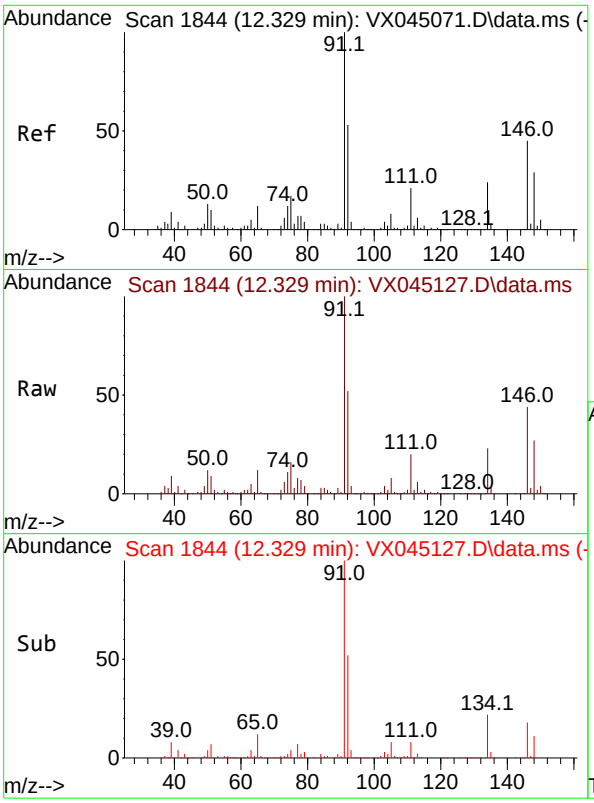


#88
1,4-Dichlorobenzene
Concen: 47.680 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:146 Resp: 118036

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.2	60.5
148	64.7	31.9	95.9

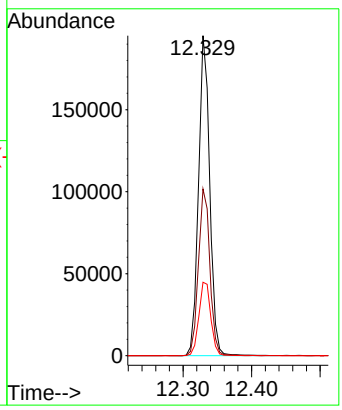




#89
n-Butylbenzene
Concen: 55.132 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 91 Resp: 22200

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.0
134	24.5	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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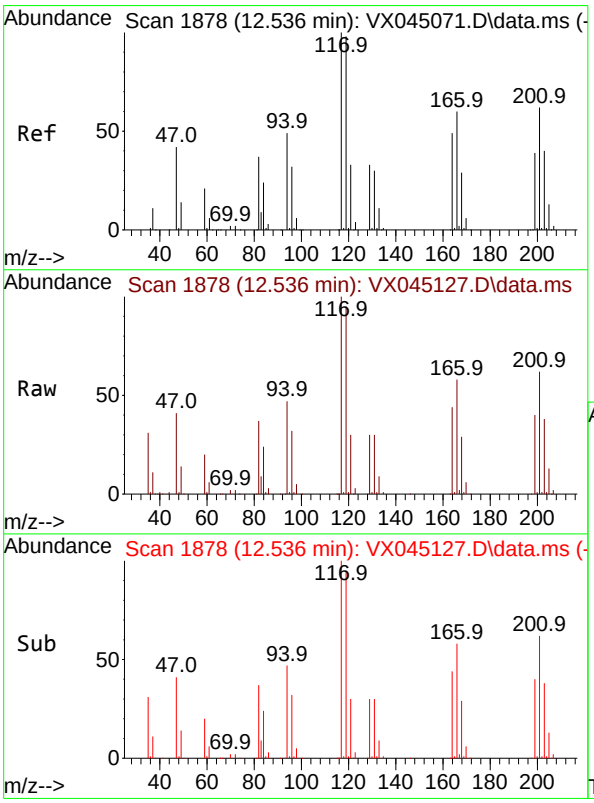
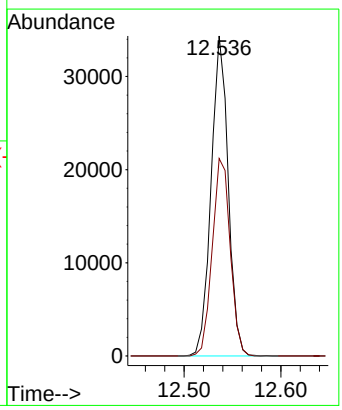
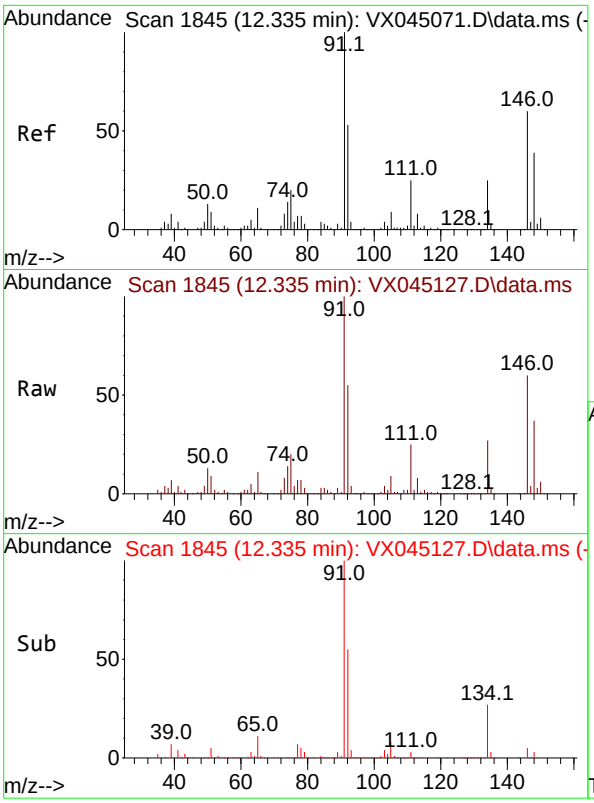


#90
Hexachloroethane
Concen: 49.734 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:117 Resp: 42059

Ion	Ratio	Lower	Upper
117	100		
201	65.0	31.9	95.9

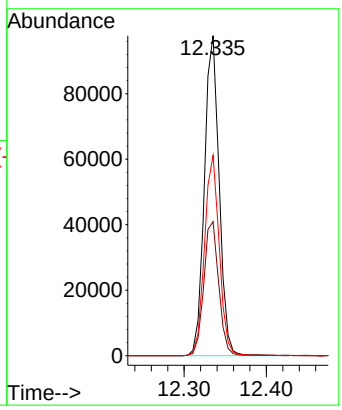




#91
1,2-Dichlorobenzene
Concen: 49.543 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:146 Resp: 12160

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	62.7	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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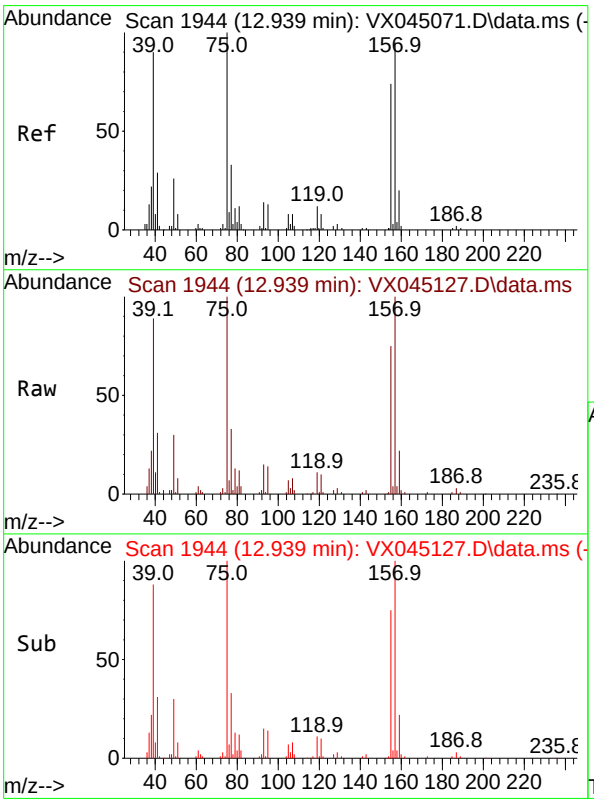
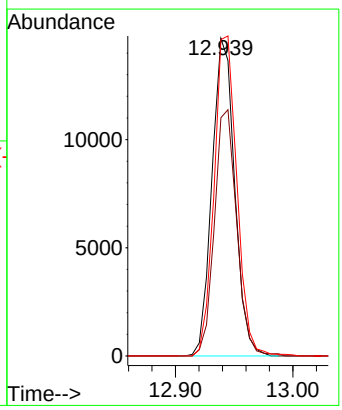
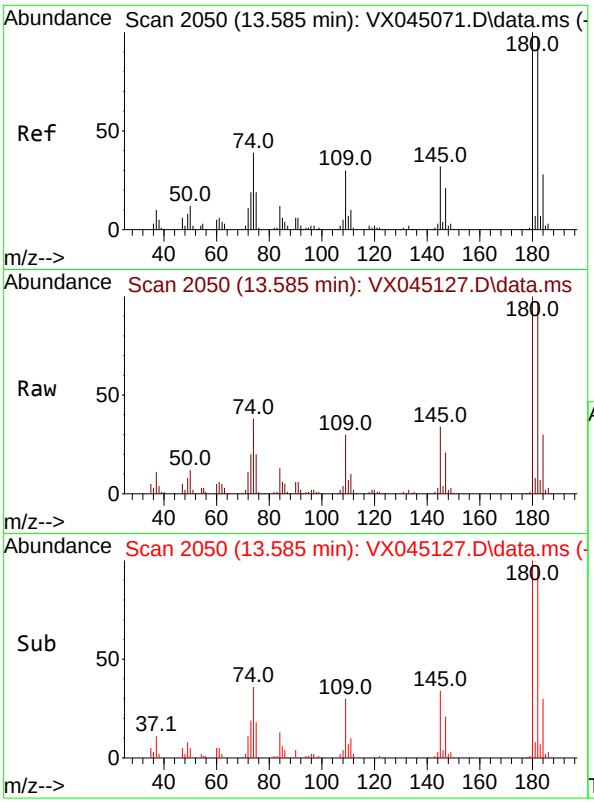


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.340 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 75 Resp: 19675

Ion	Ratio	Lower	Upper
75	100		
155	76.3	39.6	118.7
157	101.6	51.1	153.4





#93
1,2,4-Trichlorobenzene
Concen: 52.807 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 7380

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.9
145	32.9	16.3	48.9

Manual Integrations
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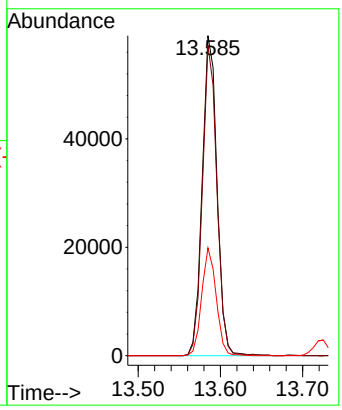
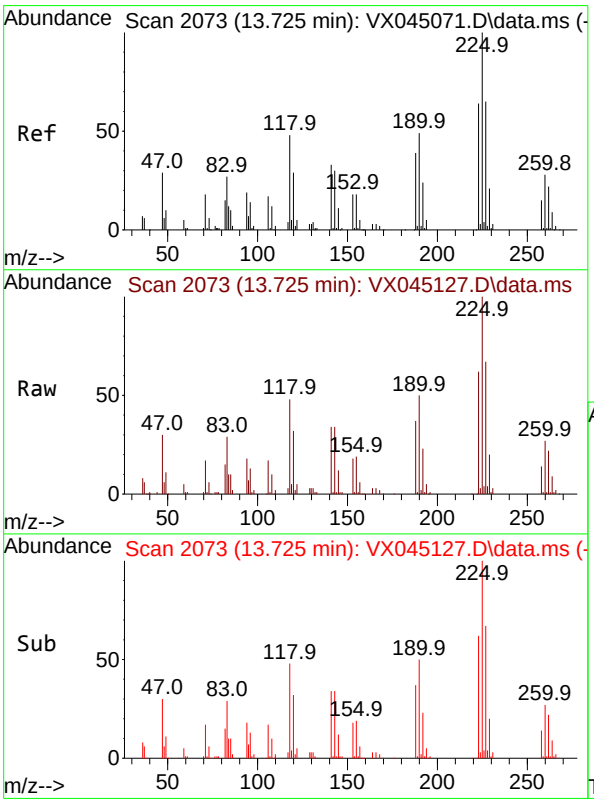
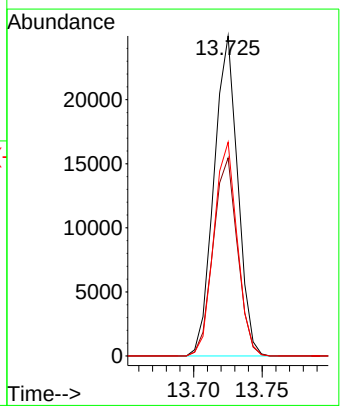


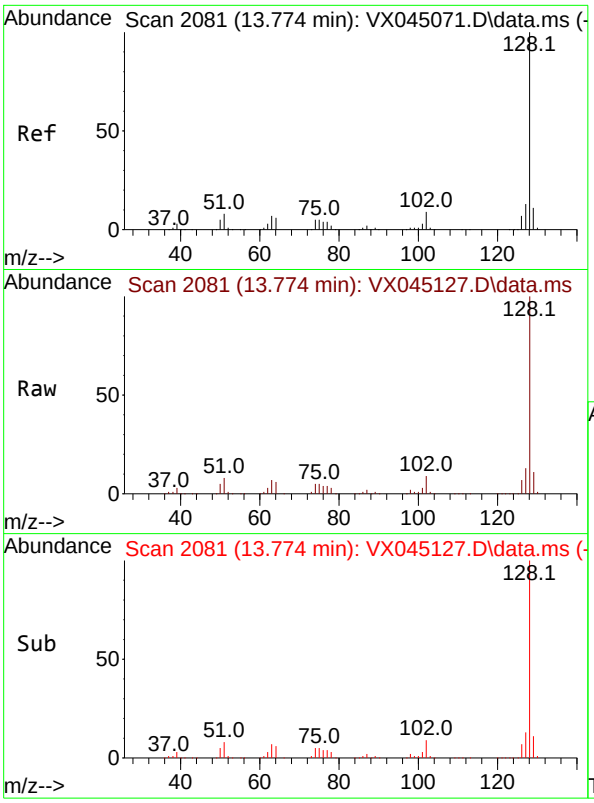


#94
Hexachlorobutadiene
Concen: 52.591 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:225 Resp: 30136

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.7
227	65.7	31.4	94.0

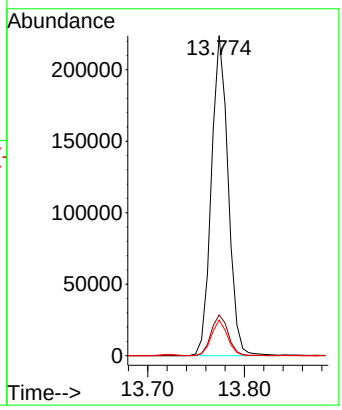




#95
Naphthalene
Concen: 50.230 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:128 Resp: 26973

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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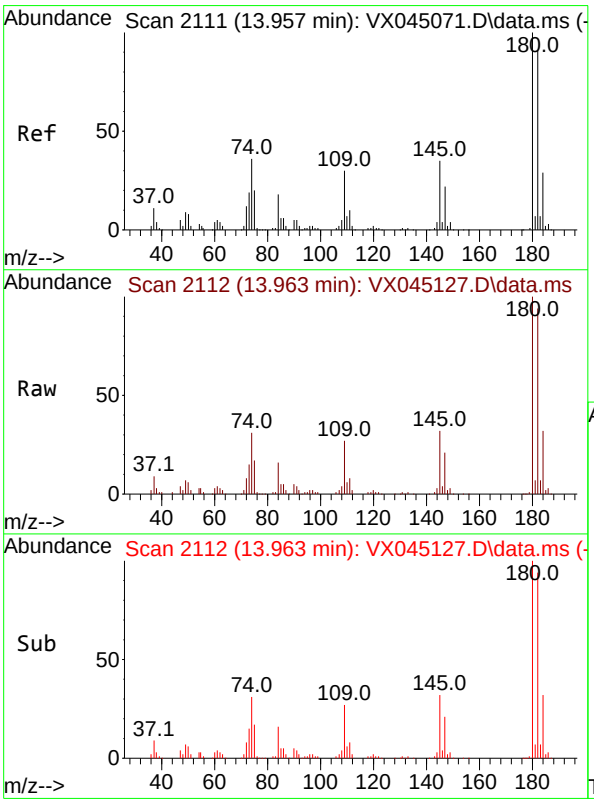
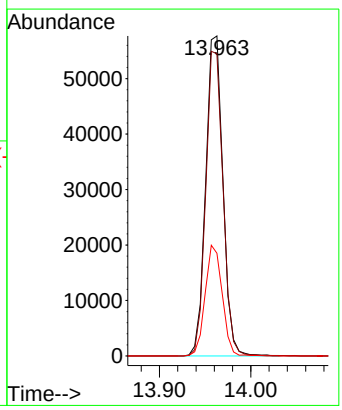
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.306 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:180 Resp: 75650

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.6
145	34.3	17.0	50.9



Evaluate Continuing Calibration Report

Sample Results: **VX045127.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045127.D
Acq On : 05 Mar 2025 09:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	109	0.00
2	T	Dichlorodifluoromethane	0.629	0.611	2.9	106	0.00
3	P	Chloromethane	0.770	0.671	12.9	97	0.00
4	C	Vinyl Chloride	0.764	0.689	9.8#	99	0.00
5	T	Bromomethane	0.300	0.271	9.7	101	0.00
6	T	Chloroethane	0.352	0.291	17.3	85	0.00
7	T	Trichlorofluoromethane	1.011	0.938	7.2	97	0.00
8	T	Diethyl Ether	0.396	0.348	12.1	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.581	0.0	106	0.00
10	T	Methyl Iodide	0.726	0.698	3.9	99	0.00
11	T	Tert butyl alcohol	0.151	0.108	28.5#	87	0.01
12	CM	1,1-Dichloroethene	0.614	0.553	9.9#	96	0.00
13	T	Acrolein	0.174	0.167	4.0	104	0.00
14	T	Allyl chloride	1.094	1.041	4.8	102	0.00
15	T	Acrylonitrile	0.404	0.349	13.6	93	0.00
16	T	Acetone	0.369	0.301	18.4	93	0.00
17	T	Carbon Disulfide	1.636	1.452	11.2	95	0.00
18	T	Methyl Acetate	0.888	0.810	8.8	102	0.00
19	T	Methyl tert-butyl Ether	2.061	1.855	10.0	97	0.00
20	T	Methylene Chloride	0.731	0.640	12.4	100	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.571	5.9	98	0.00
22	T	Diisopropyl ether	2.224	2.073	6.8	98	0.00
23	T	Vinyl Acetate	1.856	1.760	5.2	97	0.00
24	P	1,1-Dichloroethane	1.247	1.123	9.9	98	0.00
25	T	2-Butanone	0.555	0.488	12.1	92	0.00
26	T	2,2-Dichloropropane	0.585	0.795	-35.9#	145	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.684	8.7	98	0.00
28	T	Bromochloromethane	0.594	0.559	5.9	101	0.00
29	T	Tetrahydrofuran	0.373	0.320	14.2	93	0.00
30	C	Chloroform	1.239	1.123	9.4#	98	0.00
31	T	Cyclohexane	1.082	1.035	4.3	102	0.00
32	T	1,1,1-Trichloroethane	1.000	0.923	7.7	98	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.743	6.5	107	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.334	0.344	-3.0	107	-0.01
36	T	1,1-Dichloropropene	0.459	0.452	1.5	99	-0.01
37	T	Ethyl Acetate	0.591	0.554	6.3	93	0.00
38	T	Carbon Tetrachloride	0.465	0.457	1.7	100	0.00
39	T	Methylcyclohexane	0.549	0.609	-10.9	106	0.00
40	TM	Benzene	1.448	1.416	2.2	97	0.00
41	T	Methacrylonitrile	0.319	0.314	1.6	94	0.00
42	TM	1,2-Dichloroethane	0.521	0.506	2.9	98	0.00
43	T	Isopropyl Acetate	0.874	0.847	3.1	93	0.00
44	TM	Trichloroethene	0.340	0.338	0.6	101	0.00
45	C	1,2-Dichloropropane	0.372	0.355	4.6#	98	0.00
46	T	Dibromomethane	0.263	0.255	3.0	97	0.00
47	T	Bromodichloromethane	0.516	0.512	0.8	100	0.00
48	T	Methyl methacrylate	0.438	0.423	3.4	93	0.00

Sample Results: **VX045127.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045127.D
Acq On : 05 Mar 2025 09:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.009	0.008	11.1	90	0.00
50	S	Toluene-d8	1.212	1.229	-1.4	104	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.550	6.3	92	0.00
52	CM	Toluene	0.849	0.858	-1.1#	98	0.00
53	T	t-1,3-Dichloropropene	0.431	0.464	-7.7	101	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.541	-7.6	103	0.00
55	T	1,1,2-Trichloroethane	0.350	0.334	4.6	96	0.00
56	T	Ethyl methacrylate	0.532	0.519	2.4	93	0.00
57	T	1,3-Dichloropropane	0.605	0.579	4.3	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.276	-6.6	100	0.00
59	T	2-Hexanone	0.425	0.404	4.9	92	0.00
60	T	Dibromochloromethane	0.366	0.374	-2.2	100	0.00
61	T	1,2-Dibromoethane	0.349	0.340	2.6	98	0.00
62	S	4-Bromofluorobenzene	0.402	0.412	-2.5	105	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64	T	Tetrachloroethene	0.320	0.328	-2.5	102	0.00
65	PM	Chlorobenzene	1.058	1.044	1.3	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.344	2.3	98	0.00
67	C	Ethyl Benzene	1.843	1.877	-1.8#	97	0.00
68	T	m/p-Xylenes	0.675	0.695	-3.0	97	0.00
69	T	o-Xylene	0.681	0.676	0.7	97	0.00
70	T	Styrene	1.101	1.118	-1.5	96	0.00
71	P	Bromoform	0.266	0.272	-2.3	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	3.903	3.893	0.3	98	0.00
74	T	N-amyl acetate	1.831	1.795	2.0	95	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.304	8.9	96	0.00
76	T	1,2,3-Trichloropropane	1.164	1.040	10.7	95	0.00
77	T	Bromobenzene	0.921	0.885	3.9	99	0.00
78	T	n-propylbenzene	4.409	4.545	-3.1	99	0.00
79	T	2-Chlorotoluene	2.808	2.644	5.8	96	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.166	-0.3	98	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.350	-2.9	108	0.00
82	T	4-Chlorotoluene	3.060	3.007	1.7	97	0.00
83	T	tert-Butylbenzene	3.242	3.126	3.6	97	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.172	0.1	98	0.00
85	T	sec-Butylbenzene	3.884	4.003	-3.1	99	0.00
86	T	p-Isopropyltoluene	3.139	3.249	-3.5	99	0.00
87	T	1,3-Dichlorobenzene	1.643	1.598	2.7	100	0.00
88	T	1,4-Dichlorobenzene	1.662	1.585	4.6	98	0.00
89	T	n-Butylbenzene	2.703	2.981	-10.3	103	0.00
90	T	Hexachloroethane	0.568	0.565	0.5	98	0.00
91	T	1,2-Dichlorobenzene	1.648	1.633	0.9	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.264	5.4	95	0.00
93	T	1,2,4-Trichlorobenzene	0.938	0.991	-5.7	103	0.00
94	T	Hexachlorobutadiene	0.385	0.405	-5.2	108	0.00
95	T	Naphthalene	3.605	3.622	-0.5	97	0.00

Sample Results: **VX045127.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045127.D
Acq On : 05 Mar 2025 09:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.990	1.016	-2.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX045127.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045127.D
Acq On : 05 Mar 2025 09:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
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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	109	0.00
2	T	Dichlorodifluoromethane	50.000	48.548	2.9	106	0.00
3	P	Chloromethane	50.000	43.571	12.9	97	0.00
4	C	Vinyl Chloride	50.000	45.105	9.8#	99	0.00
5	T	Bromomethane	50.000	45.089	9.8	101	0.00
6	T	Chloroethane	50.000	41.292	17.4	85	0.00
7	T	Trichlorofluoromethane	50.000	46.345	7.3	97	0.00
8	T	Diethyl Ether	50.000	44.003	12.0	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.955	0.1	106	0.00
10	T	Methyl Iodide	50.000	48.082	3.8	99	0.00
11	T	Tert butyl alcohol	250.000	178.760	28.5#	87	0.01
12	CM	1,1-Dichloroethene	50.000	44.972	10.1#	96	0.00
13	T	Acrolein	250.000	239.177	4.3	104	0.00
14	T	Allyl chloride	50.000	47.573	4.9	102	0.00
15	T	Acrylonitrile	250.000	216.227	13.5	93	0.00
16	T	Acetone	250.000	203.698	18.5	93	0.00
17	T	Carbon Disulfide	50.000	44.364	11.3	95	0.00
18	T	Methyl Acetate	50.000	45.649	8.7	102	0.00
19	T	Methyl tert-butyl Ether	50.000	44.990	10.0	97	0.00
20	T	Methylene Chloride	50.000	43.757	12.5	100	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.997	6.0	98	0.00
22	T	Diisopropyl ether	50.000	46.611	6.8	98	0.00
23	T	Vinyl Acetate	250.000	237.095	5.2	97	0.00
24	P	1,1-Dichloroethane	50.000	45.046	9.9	98	0.00
25	T	2-Butanone	250.000	219.773	12.1	92	0.00
26	T	2,2-Dichloropropane	50.000	67.949	-35.9#	145	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.662	8.7	98	0.00
28	T	Bromochloromethane	50.000	47.005	6.0	101	0.00
29	T	Tetrahydrofuran	250.000	214.470	14.2	93	0.00
30	C	Chloroform	50.000	45.331	9.3#	98	0.00
31	T	Cyclohexane	50.000	47.845	4.3	102	0.00
32	T	1,1,1-Trichloroethane	50.000	46.154	7.7	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.738	6.5	107	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	51.467	-2.9	107	-0.01
36	T	1,1-Dichloropropene	50.000	49.270	1.5	99	-0.01
37	T	Ethyl Acetate	50.000	46.871	6.3	93	0.00
38	T	Carbon Tetrachloride	50.000	49.086	1.8	100	0.00
39	T	Methylcyclohexane	50.000	55.384	-10.8	106	0.00
40	TM	Benzene	50.000	48.900	2.2	97	0.00
41	T	Methacrylonitrile	50.000	49.148	1.7	94	0.00
42	TM	1,2-Dichloroethane	50.000	48.518	3.0	98	0.00
43	T	Isopropyl Acetate	50.000	48.480	3.0	93	0.00
44	TM	Trichloroethene	50.000	49.759	0.5	101	0.00
45	C	1,2-Dichloropropane	50.000	47.629	4.7#	98	0.00
46	T	Dibromomethane	50.000	48.429	3.1	97	0.00
47	T	Bromodichloromethane	50.000	49.627	0.7	100	0.00
48	T	Methyl methacrylate	50.000	48.288	3.4	93	0.00

Sample Results: **VX045127.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045127.D
Acq On : 05 Mar 2025 09:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	897.247	10.3	90	0.00
50	S	Toluene-d8	50.000	50.704	-1.4	104	0.00
51	T	4-Methyl-2-Pentanone	250.000	234.470	6.2	92	0.00
52	CM	Toluene	50.000	50.472	-0.9#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	53.736	-7.5	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.733	-7.5	103	0.00
55	T	1,1,2-Trichloroethane	50.000	47.694	4.6	96	0.00
56	T	Ethyl methacrylate	50.000	48.771	2.5	93	0.00
57	T	1,3-Dichloropropane	50.000	47.819	4.4	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	266.477	-6.6	100	0.00
59	T	2-Hexanone	250.000	237.763	4.9	92	0.00
60	T	Dibromochloromethane	50.000	51.202	-2.4	100	0.00
61	T	1,2-Dibromoethane	50.000	48.624	2.8	98	0.00
62	S	4-Bromofluorobenzene	50.000	51.246	-2.5	105	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64	T	Tetrachloroethene	50.000	51.190	-2.4	102	0.00
65	PM	Chlorobenzene	50.000	49.344	1.3	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.866	2.3	98	0.00
67	C	Ethyl Benzene	50.000	50.920	-1.8#	97	0.00
68	T	m/p-Xylenes	100.000	102.932	-2.9	97	0.00
69	T	o-Xylene	50.000	49.692	0.6	97	0.00
70	T	Styrene	50.000	50.763	-1.5	96	0.00
71	P	Bromoform	50.000	51.176	-2.4	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	49.882	0.2	98	0.00
74	T	N-amyl acetate	50.000	49.015	2.0	95	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.510	9.0	96	0.00
76	T	1,2,3-Trichloropropane	50.000	44.663	10.7	95	0.00
77	T	Bromobenzene	50.000	48.083	3.8	99	0.00
78	T	n-propylbenzene	50.000	51.552	-3.1	99	0.00
79	T	2-Chlorotoluene	50.000	47.083	5.8	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.163	-0.3	98	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.395	-2.8	108	0.00
82	T	4-Chlorotoluene	50.000	49.137	1.7	97	0.00
83	T	tert-Butylbenzene	50.000	48.210	3.6	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.949	0.1	98	0.00
85	T	sec-Butylbenzene	50.000	51.530	-3.1	99	0.00
86	T	p-Isopropyltoluene	50.000	51.761	-3.5	99	0.00
87	T	1,3-Dichlorobenzene	50.000	48.641	2.7	100	0.00
88	T	1,4-Dichlorobenzene	50.000	47.680	4.6	98	0.00
89	T	n-Butylbenzene	50.000	55.132	-10.3	103	0.00
90	T	Hexachloroethane	50.000	49.734	0.5	98	0.00
91	T	1,2-Dichlorobenzene	50.000	49.543	0.9	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.340	5.3	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.807	-5.6	103	0.00
94	T	Hexachlorobutadiene	50.000	52.591	-5.2	108	0.00
95	T	Naphthalene	50.000	50.230	-0.5	97	0.00

Sample Results: **VX045127.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045127.D
Acq On : 05 Mar 2025 09:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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LabSampleId :
VSTDCCC050

Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.306	-2.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX045155.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_X Calibration Date/Time: 03/06/2025 09:56

Lab File ID: VX045155.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.631		0.32	20
Chloromethane	0.770	0.723	0.1	-6.1	20
Vinyl Chloride	0.764	0.725		-5.11	20
Bromomethane	0.300	0.280		-6.67	20
Chloroethane	0.352	0.298		-15.34	20
Trichlorofluoromethane	1.012	0.973		-3.85	20
1,1,2-Trichlorotrifluoroethane	0.581	0.616		6.02	20
1,1-Dichloroethene	0.614	0.600		-2.28	20
Acetone	0.369	0.345		-6.5	20
Carbon Disulfide	1.636	1.462		-10.64	20
Methyl tert-butyl Ether	2.061	2.015		-2.23	20
Methyl Acetate	0.888	0.957		7.77	20
Methylene Chloride	0.731	0.704		-3.69	20
trans-1,2-Dichloroethene	0.607	0.610		0.49	20
1,1-Dichloroethane	1.247	1.215	0.1	-2.57	20
Cyclohexane	1.082	1.086		0.37	20
2-Butanone	0.555	0.564		1.62	20
Carbon Tetrachloride	0.465	0.458		-1.5	20
cis-1,2-Dichloroethene	0.749	0.750		0.13	20
Bromochloromethane	0.594	0.551		-7.24	20
Chloroform	1.239	1.209		-2.42	20
1,1,1-Trichloroethane	1.000	0.978		-2.2	20
Methylcyclohexane	0.549	0.598		8.93	20
Benzene	1.448	1.464		1.11	20
1,2-Dichloroethane	0.521	0.534		2.49	20
Trichloroethene	0.340	0.341		0.29	20
1,2-Dichloropropane	0.372	0.377		1.34	20
Bromodichloromethane	0.516	0.523		1.36	20
4-Methyl-2-Pentanone	0.587	0.616		4.94	20
Toluene	0.849	0.893		5.18	20
t-1,3-Dichloropropene	0.431	0.467		8.35	20
cis-1,3-Dichloropropene	0.503	0.544		8.15	20
1,1,2-Trichloroethane	0.350	0.355		1.43	20
2-Hexanone	0.425	0.451		6.12	20
Dibromochloromethane	0.366	0.378		3.28	20
1,2-Dibromoethane	0.349	0.353		1.15	20
Tetrachloroethene	0.320	0.322		0.63	20
Chlorobenzene	1.058	1.078	0.3	1.89	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: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_X Calibration Date/Time: 03/06/2025 09:56

Lab File ID: VX045155.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.931		4.78	20
m/p-Xylenes	0.675	0.704		4.3	20
o-Xylene	0.681	0.694		1.91	20
Styrene	1.101	1.163		5.63	20
Bromoform	0.266	0.266	0.1	0	20
Isopropylbenzene	3.903	3.980		1.95	20
1,1,2,2-Tetrachloroethane	1.432	1.414	0.3	-1.26	20
1,3-Dichlorobenzene	1.643	1.638		-0.3	20
1,4-Dichlorobenzene	1.662	1.644		-1.08	20
1,2-Dichlorobenzene	1.648	1.687		2.37	20
1,2-Dibromo-3-Chloropropane	0.279	0.286		2.51	20
1,2,4-Trichlorobenzene	0.938	1.010		7.68	20
1,2,3-Trichlorobenzene	0.990	1.054		6.47	20
1,2-Dichloroethane-d4	0.795	0.783		-1.51	20
Dibromofluoromethane	0.334	0.341		2.1	20
Toluene-d8	1.212	1.244		2.64	20
4-Bromofluorobenzene	0.402	0.419		4.23	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045155.D
Acq On : 06 Mar 2025 09:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 00:36:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	99532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	175834	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	153746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77946	49.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.460%			
35) Dibromofluoromethane	5.379	113	59938	50.978	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.960%			
50) Toluene-d8	8.647	98	218659	51.298	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.600%			
62) 4-Bromofluorobenzene	11.079	95	73689	52.170	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	62832	50.150	ug/l	97
3) Chloromethane	1.307	50	71998	46.958	ug/l	97
4) Vinyl Chloride	1.374	62	72148	47.434	ug/l	95
5) Bromomethane	1.593	94	27896	46.654	ug/l	97
6) Chloroethane	1.660	64	29705	42.341	ug/l	95
7) Trichlorofluoromethane	1.861	101	96812	48.081	ug/l	100
8) Diethyl Ether	2.136	74	36087	45.821	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	61310	52.999	ug/l	99
10) Methyl Iodide	2.441	142	74610	51.610	ug/l	98
11) Tert butyl alcohol	3.002	59	58538	195.202	ug/l	98
12) 1,1-Dichloroethene	2.307	96	59671	48.789	ug/l	96
13) Acrolein	2.239	56	73987	213.430	ug/l	100
14) Allyl chloride	2.654	41	109096	50.112	ug/l	98
15) Acrylonitrile	3.069	53	198270	246.689	ug/l	99
16) Acetone	2.392	43	171774	233.847	ug/l	100
17) Carbon Disulfide	2.495	76	145559	44.684	ug/l	98
18) Methyl Acetate	2.709	43	95234	53.893	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	200537	48.872	ug/l	99
20) Methylene Chloride	2.782	84	70093	48.172	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	60722	50.255	ug/l	98
22) Diisopropyl ether	3.764	45	224890	50.793	ug/l	96
23) Vinyl Acetate	3.721	43	950142	257.151	ug/l	100
24) 1,1-Dichloroethane	3.599	63	120920	48.731	ug/l	99
25) 2-Butanone	4.562	43	280778	253.939	ug/l	96
26) 2,2-Dichloropropane	4.465	77	79357	68.182	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	74696	50.079	ug/l	98
28) Bromochloromethane	4.891	49	54795	46.329	ug/l	98
29) Tetrahydrofuran	5.007	42	181493	244.426	ug/l	99
30) Chloroform	5.087	83	120327	48.804	ug/l	99
31) Cyclohexane	5.464	56	108111	50.191	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	97325	48.875	ug/l	99
36) 1,1-Dichloropropene	5.684	75	80527	49.941	ug/l	99
37) Ethyl Acetate	4.715	43	104246	50.173	ug/l	99
38) Carbon Tetrachloride	5.666	117	80480	49.163	ug/l	98
39) Methylcyclohexane	7.373	83	105138	54.417	ug/l	98
40) Benzene	6.031	78	257458	50.564	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045155.D
Acq On : 06 Mar 2025 09:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 00:36:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	58347	51.935	ug/l		98
42) 1,2-Dichloroethane	6.086	62	93921	51.224	ug/l		100
43) Isopropyl Acetate	6.342	43	158752	51.671	ug/l		99
44) Trichloroethene	7.123	130	60024	50.205	ug/l		99
45) 1,2-Dichloropropane	7.428	63	66275	50.625	ug/l		99
46) Dibromomethane	7.580	93	47874	51.739	ug/l		100
47) Bromodichloromethane	7.818	83	91992	50.685	ug/l		98
48) Methyl methacrylate	7.690	41	80137	51.991	ug/l		99
49) 1,4-Dioxane	7.665	88	32662	1004.564	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	541338	262.414	ug/l		99
52) Toluene	8.714	92	156953	52.538	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	82047	54.074	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	95642	54.055	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	62335	50.685	ug/l		99
56) Ethyl methacrylate	9.116	69	97896	52.367	ug/l		99
57) 1,3-Dichloropropane	9.305	76	107677	50.592	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	249971	274.113	ug/l		99
59) 2-Hexanone	9.433	43	396084	264.998	ug/l		100
60) Dibromochloromethane	9.519	129	66396	51.634	ug/l		100
61) 1,2-Dibromoethane	9.610	107	62076	50.561	ug/l		100
64) Tetrachloroethene	9.269	164	49532	50.303	ug/l		92
65) Chlorobenzene	10.073	112	165756	50.951	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	54204	50.032	ug/l		99
67) Ethyl Benzene	10.189	91	296897	52.376	ug/l		100
68) m/p-Xylenes	10.299	106	216494	104.329	ug/l		97
69) o-Xylene	10.640	106	106776	51.019	ug/l		100
70) Styrene	10.653	104	178838	52.810	ug/l		100
71) Bromoform	10.799	173	40824	49.970	ug/l	#	99
73) Isopropylbenzene	10.957	105	276189	50.984	ug/l		99
74) N-amyl acetate	10.842	43	131698	51.811	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	98154	49.376	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	79287m	49.083	ug/l		
77) Bromobenzene	11.195	156	64179	50.213	ug/l		98
78) n-propylbenzene	11.305	91	322984	52.781	ug/l		99
79) 2-Chlorotoluene	11.360	91	193846	49.740	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	224986	51.365	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24421	51.737	ug/l		94
82) 4-Chlorotoluene	11.451	91	215920	50.836	ug/l		99
83) tert-Butylbenzene	11.713	119	226930	50.423	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	227267	51.566	ug/l		100
85) sec-Butylbenzene	11.890	105	284085	52.696	ug/l		99
86) p-Isopropyltoluene	12.006	119	233986	53.707	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	113668	49.852	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	114115	49.469	ug/l		98
89) n-Butylbenzene	12.329	91	209635	55.868	ug/l		99
90) Hexachloroethane	12.536	117	39179	49.718	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	117105	51.199	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19847	51.248	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	70127	53.845	ug/l		99
94) Hexachlorobutadiene	13.725	225	27989	52.418	ug/l		99
95) Naphthalene	13.774	128	266376	53.234	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	73124	53.222	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045155.D
Acq On : 06 Mar 2025 09:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 00:36:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

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

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

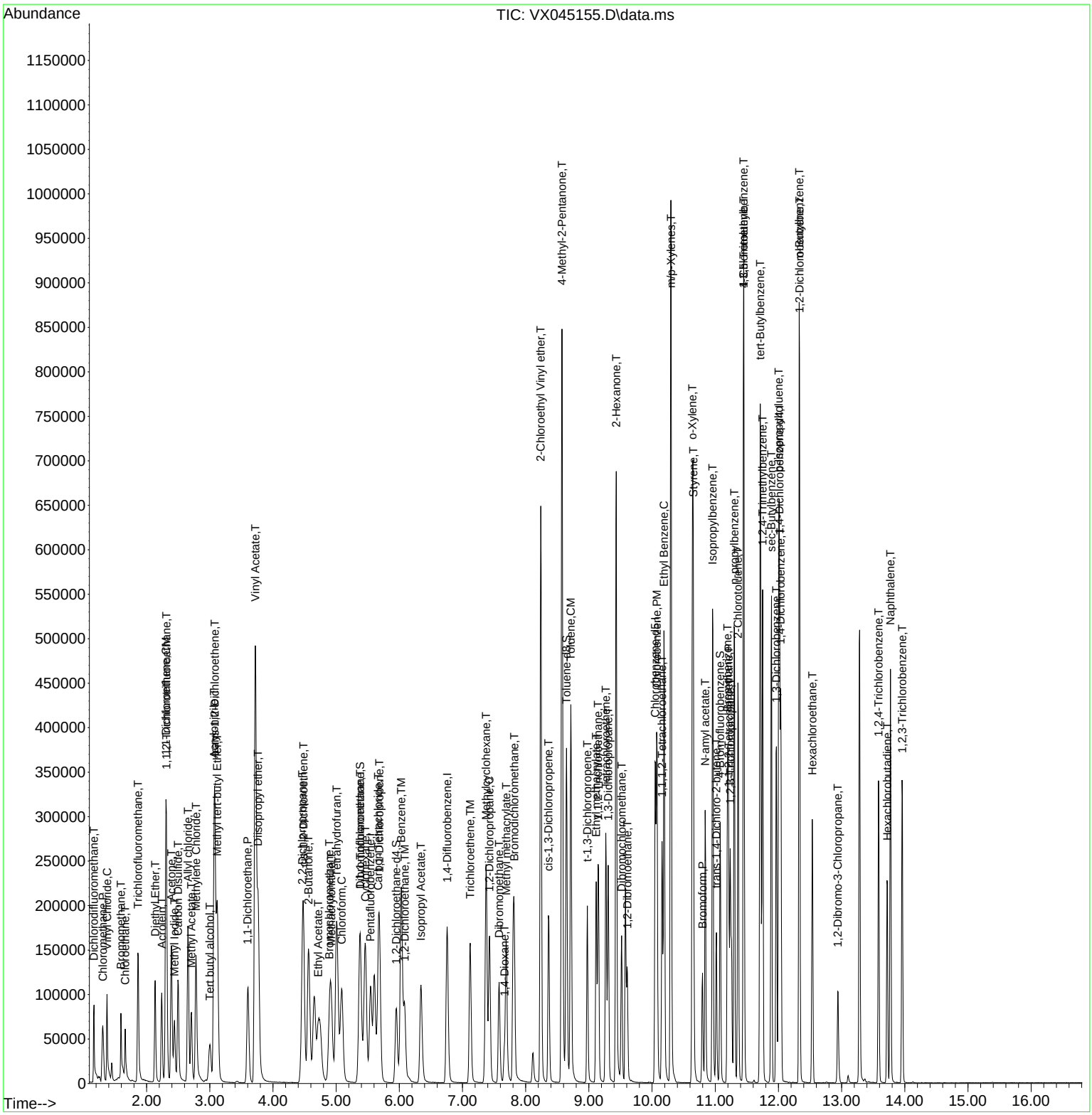
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045155.D
Acq On : 06 Mar 2025 09:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

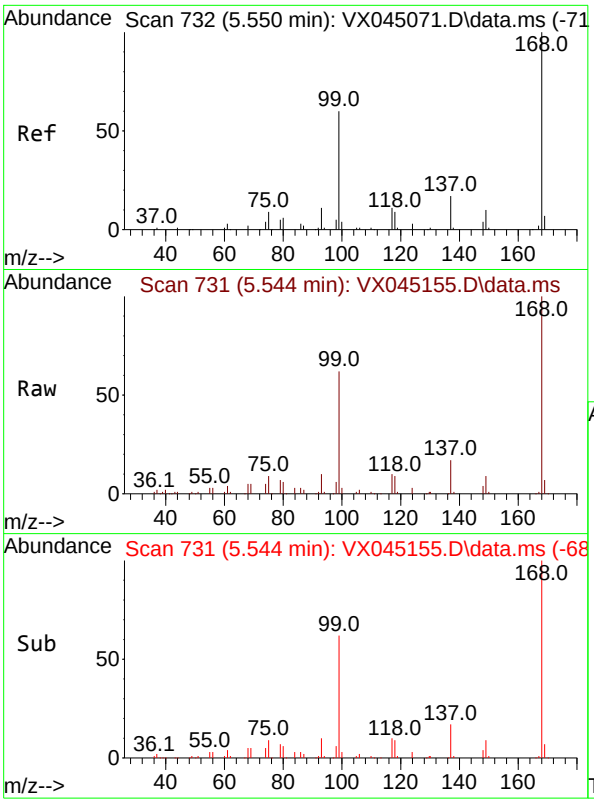
Quant Time: Mar 07 00:36:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

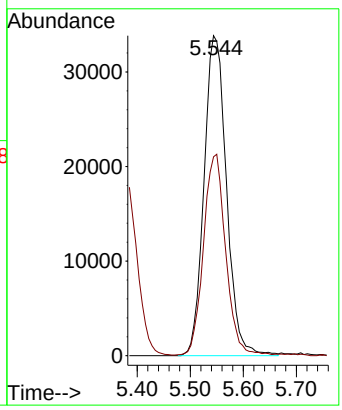




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:168 Resp: 9953

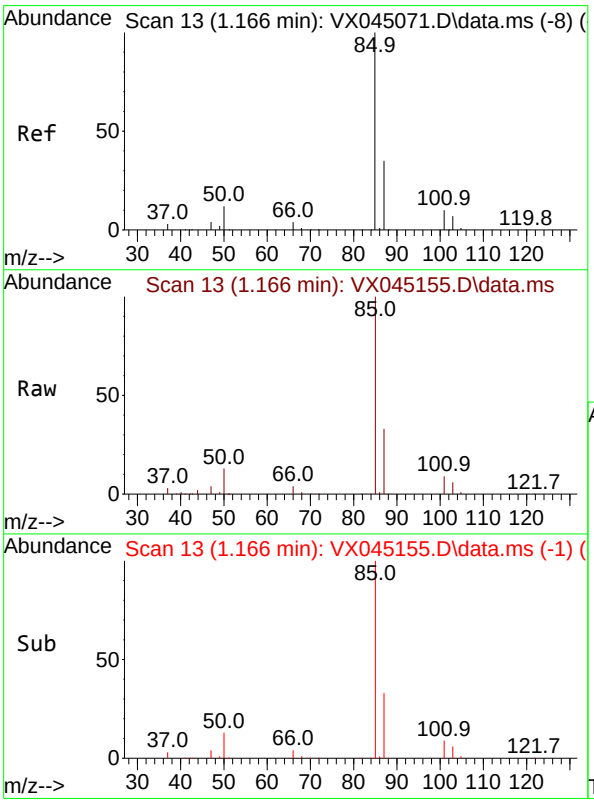
Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

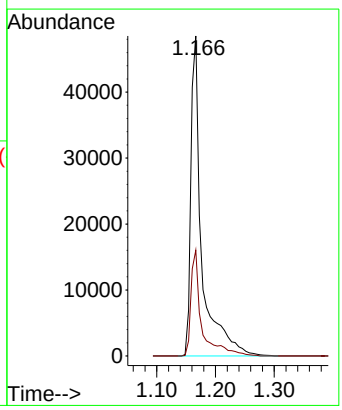
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

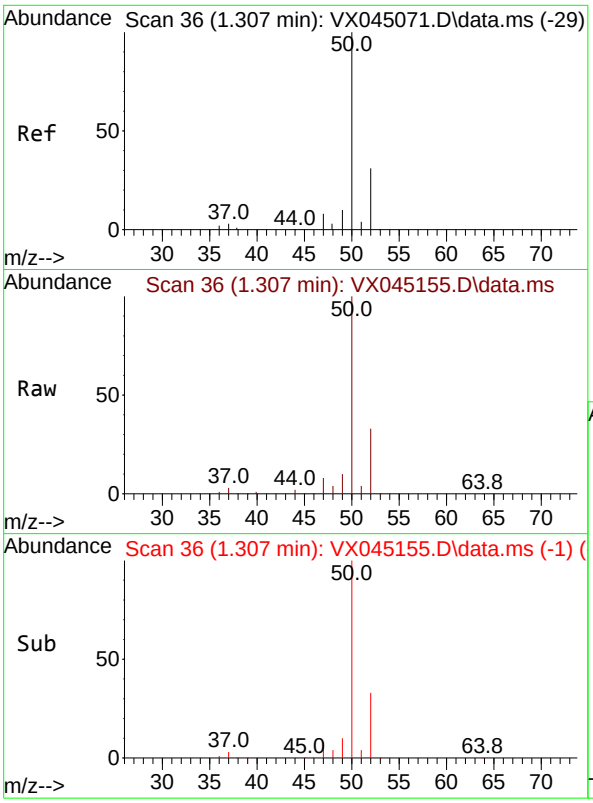


#2
Dichlorodifluoromethane
Concen: 50.150 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 85 Resp: 62832

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.4	52.3





#3
Chloromethane
Concen: 46.958 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

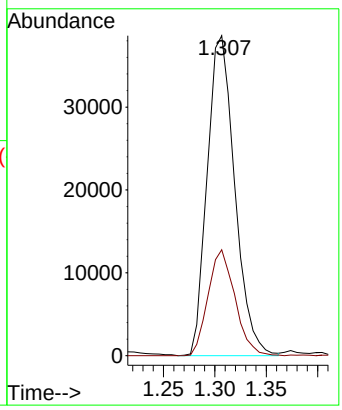
Tgt Ion: 50 Resp: 7199

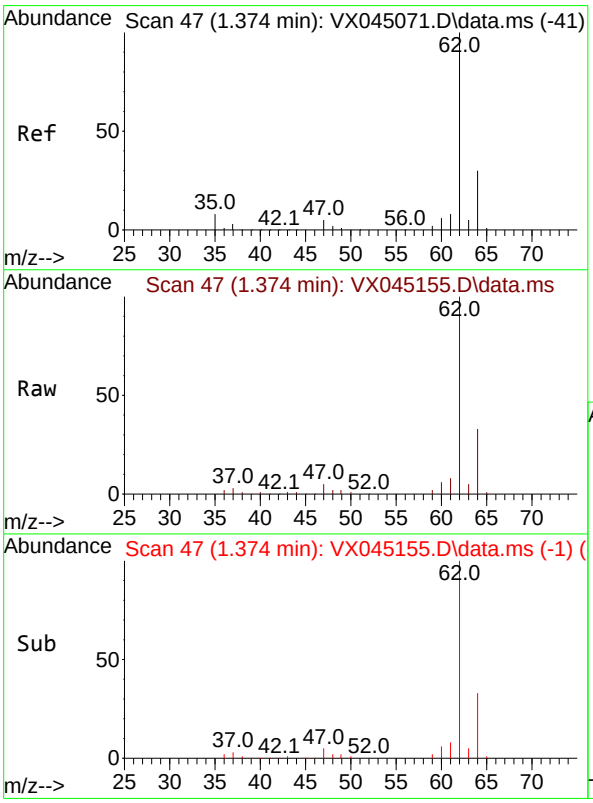
Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

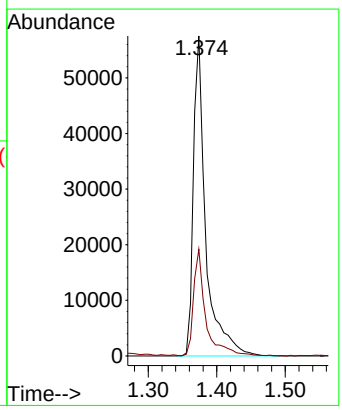


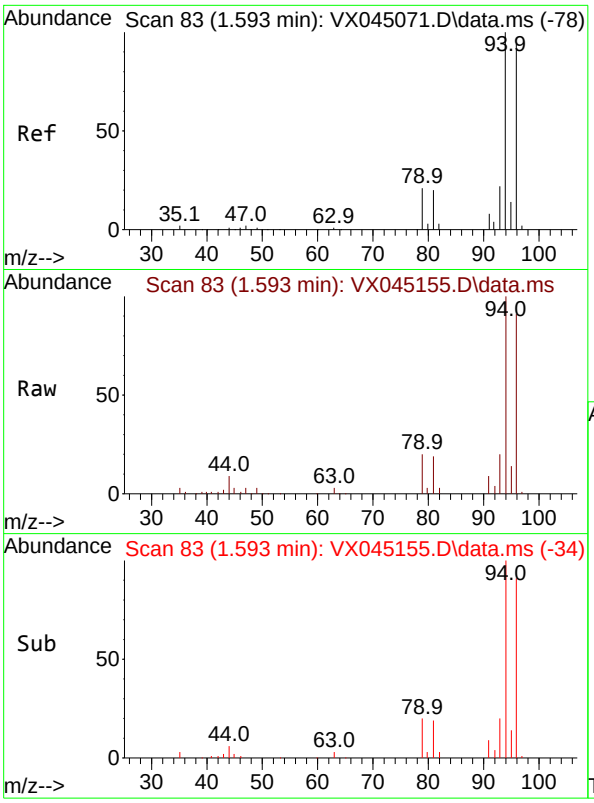


#4
Vinyl Chloride
Concen: 47.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 62 Resp: 72148

Ion	Ratio	Lower	Upper
62	100		
64	33.2	24.3	36.5





#5
Bromomethane
Concen: 46.654 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 94 Resp: 2789

Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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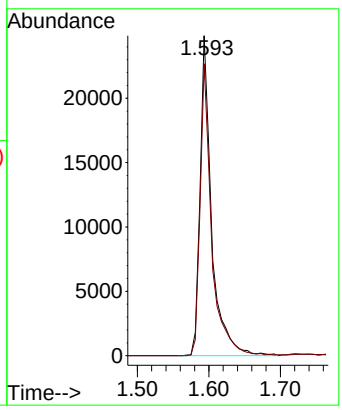
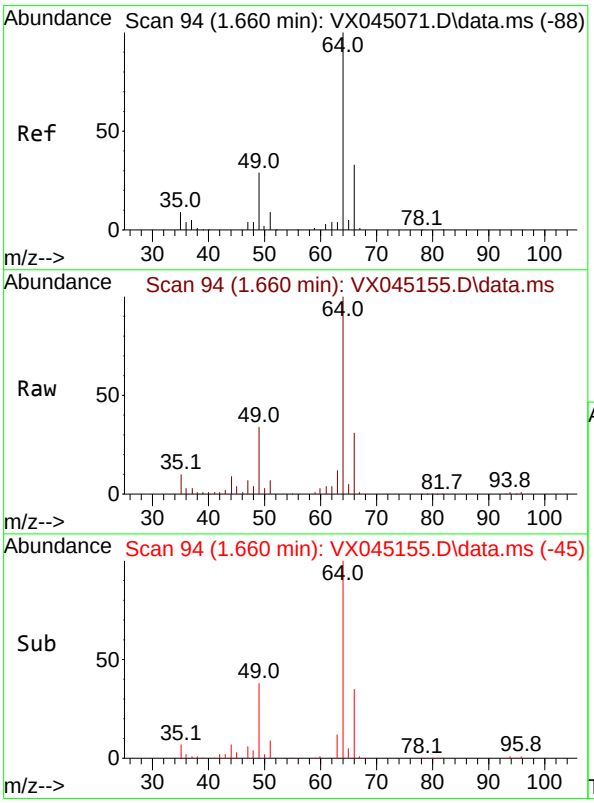
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

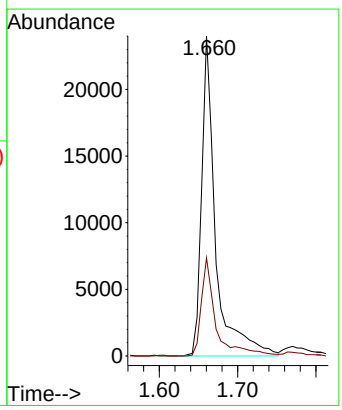


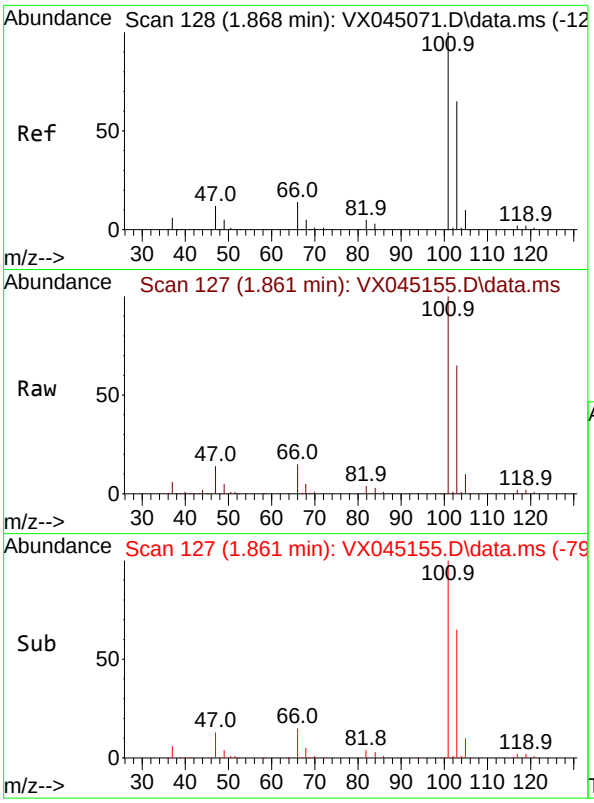


#6
Chloroethane
Concen: 42.341 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 64 Resp: 29705

Ion	Ratio	Lower	Upper
64	100		
66	30.6	26.7	40.1





#7
Trichlorofluoromethane
Concen: 48.081 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:101 Resp: 9681

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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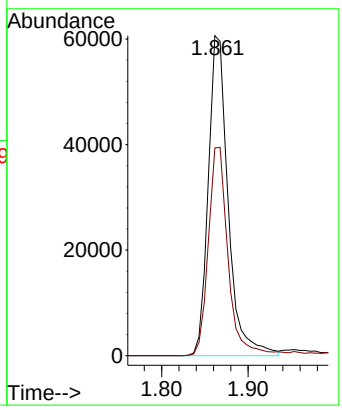
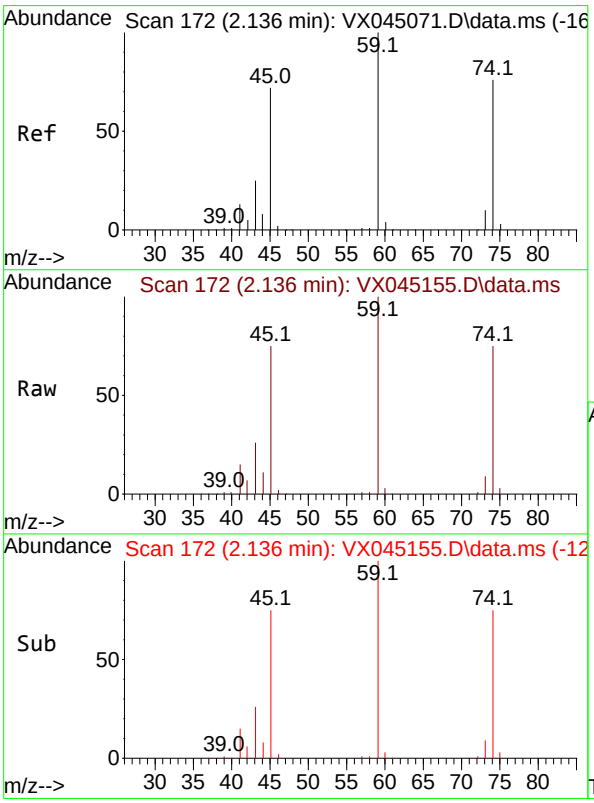
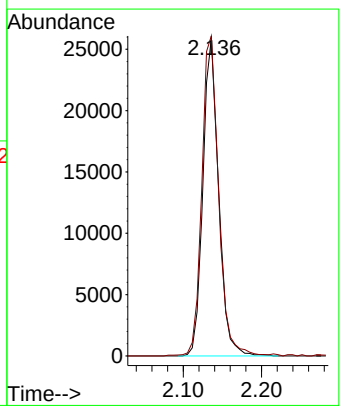


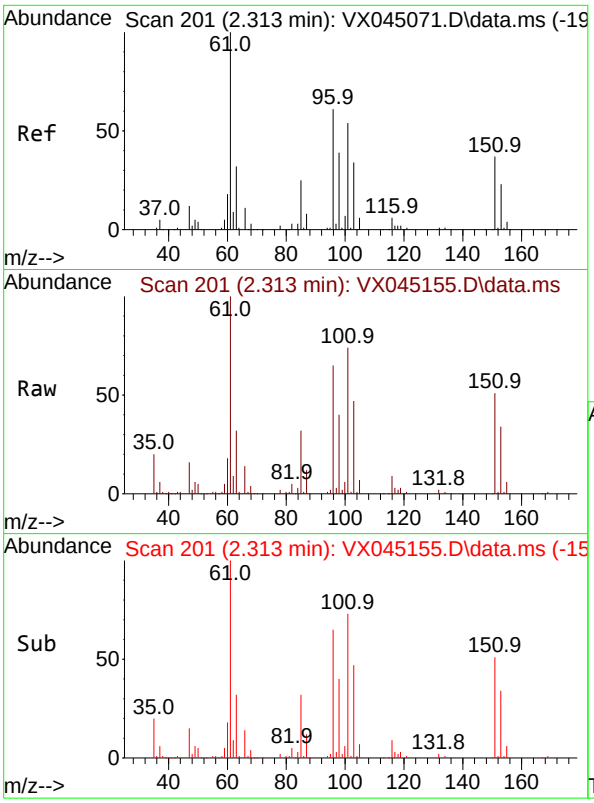


#8
Diethyl Ether
Concen: 45.821 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 74 Resp: 36087

Ion	Ratio	Lower	Upper
74	100		
45	107.4	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.999 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 6131

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.2	54.4
151	71.8	56.4	84.6

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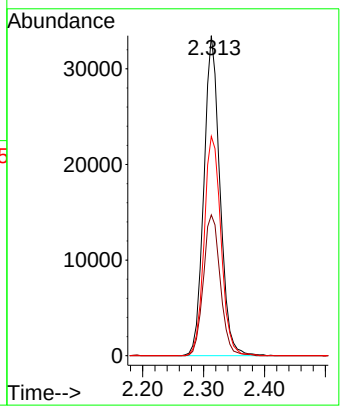
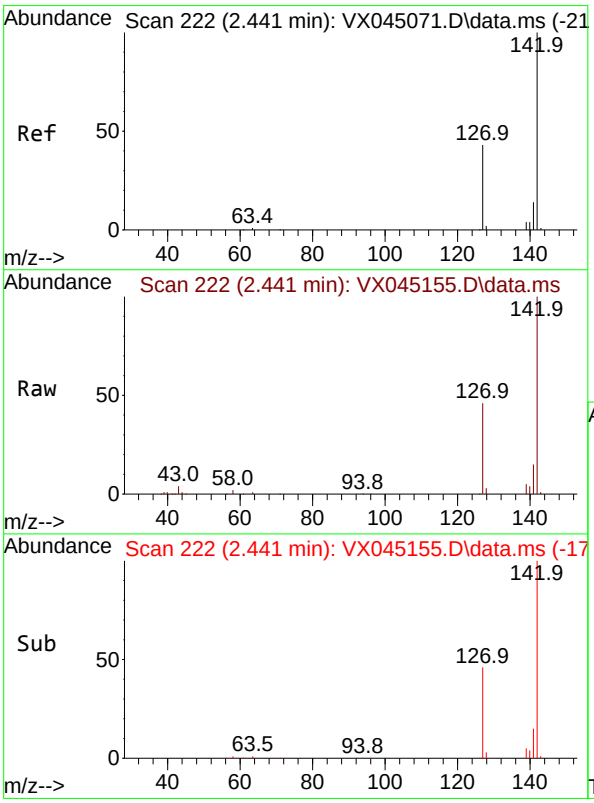
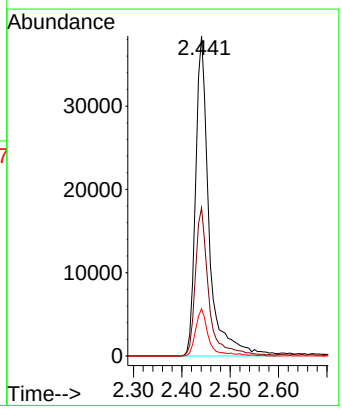


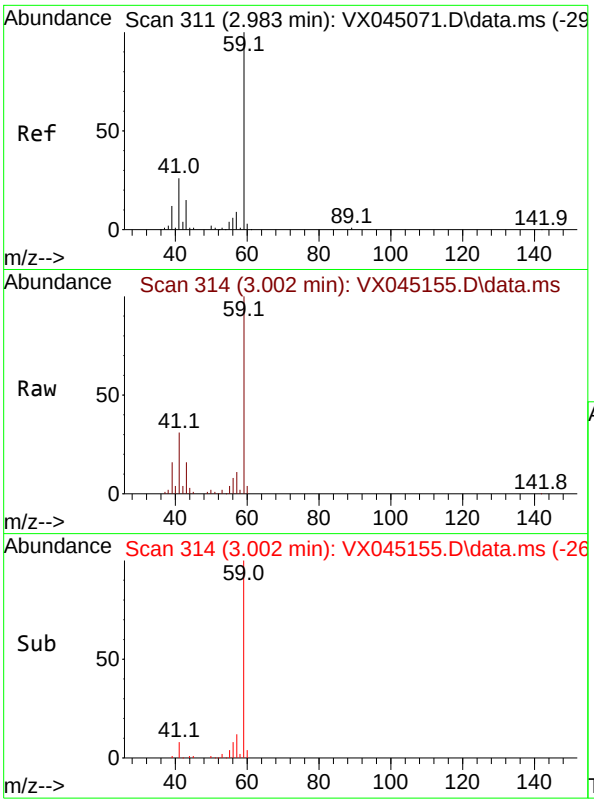


#10
Methyl Iodide
Concen: 51.610 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:142 Resp: 74610

Ion	Ratio	Lower	Upper
142	100		
127	46.1	35.4	53.2
141	14.3	11.6	17.4





#11
Tert butyl alcohol
Concen: 195.202 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 59 Resp: 5853

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/10/2025
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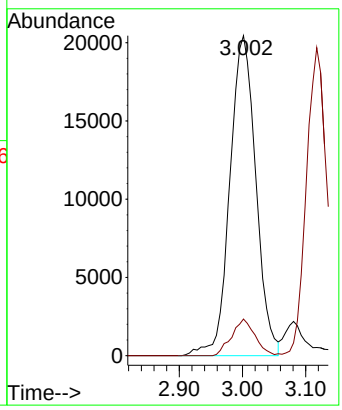
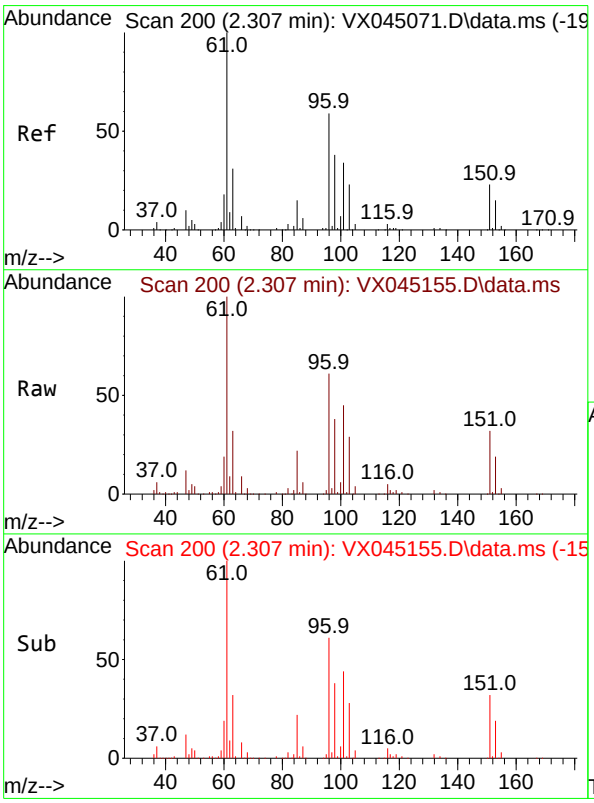
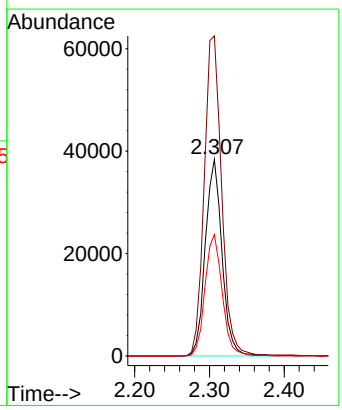


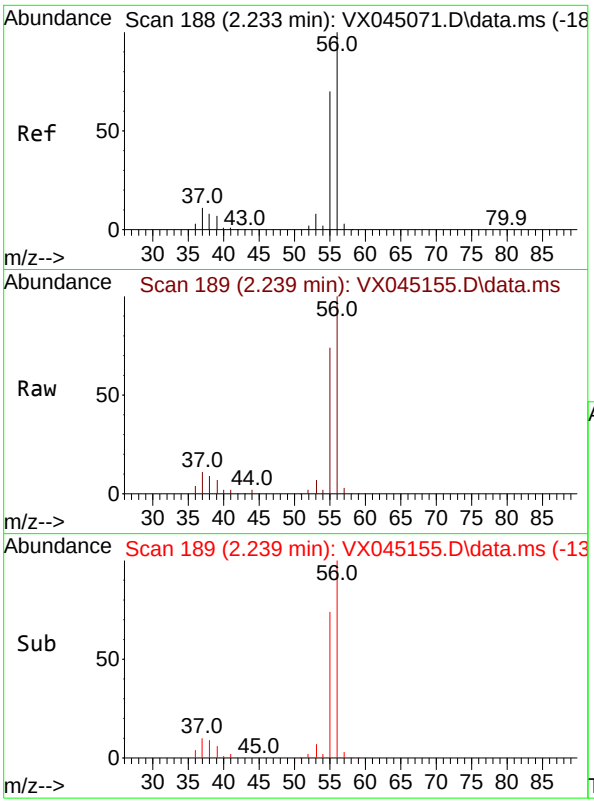


#12
1,1-Dichloroethene
Concen: 48.789 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 96 Resp: 59671

Ion	Ratio	Lower	Upper
96	100		
61	162.7	134.6	202.0
98	61.8	51.0	76.6

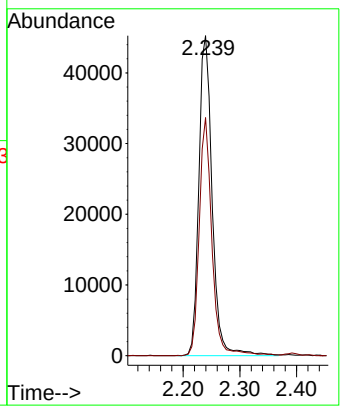




#13
Acrolein
Concen: 213.430 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 56 Resp: 7398

Ion	Ratio	Lower	Upper
56	100		
55	70.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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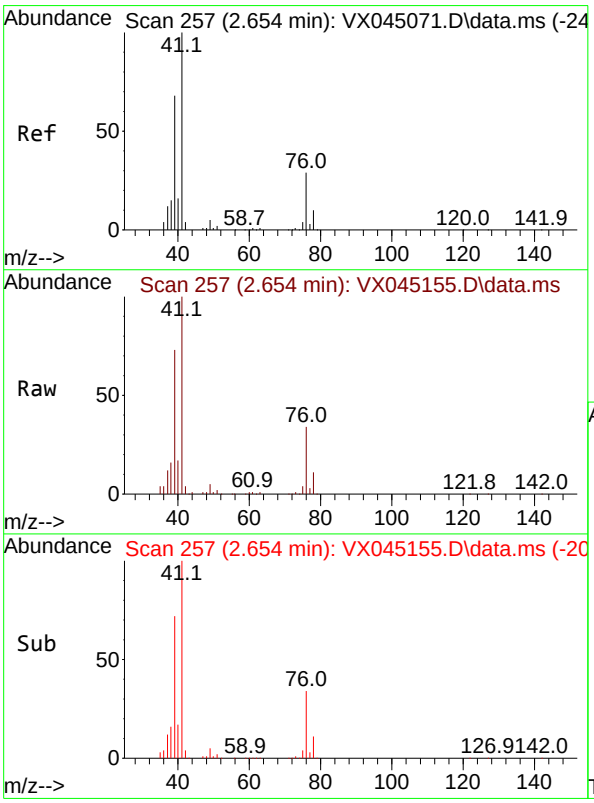
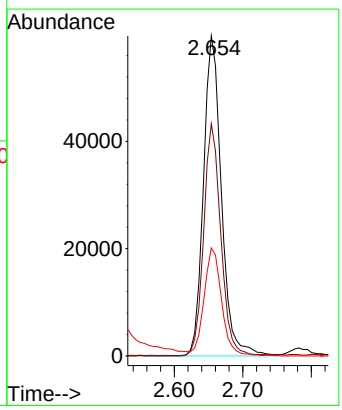
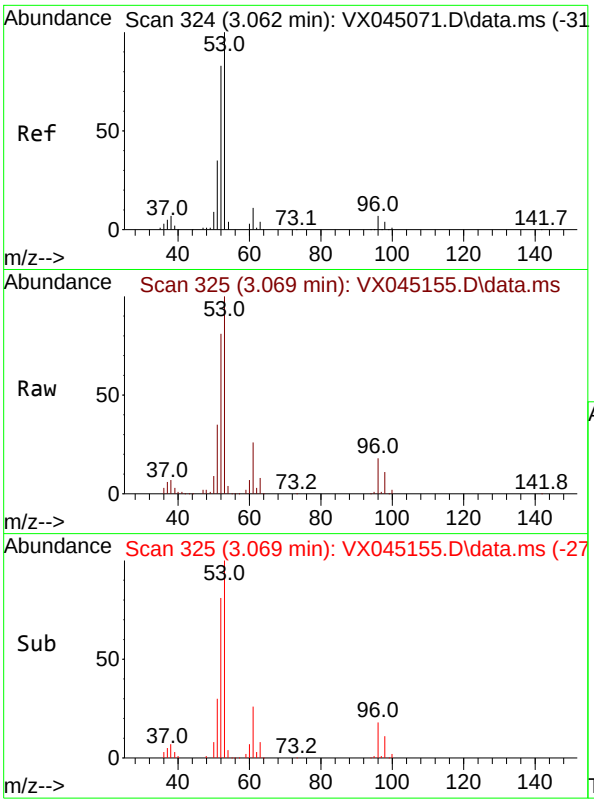


#14
Allyl chloride
Concen: 50.112 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 41 Resp: 109096

Ion	Ratio	Lower	Upper
41	100		
39	68.9	53.8	80.8
76	32.5	25.2	37.8

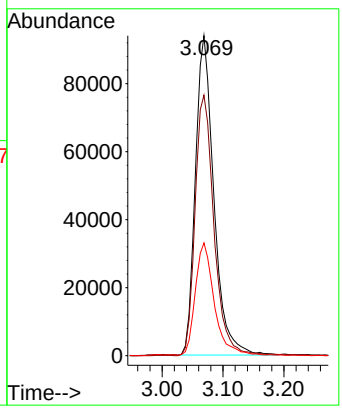




#15
Acrylonitrile
Concen: 246.689 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 53 Resp: 19827

Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.2
51	35.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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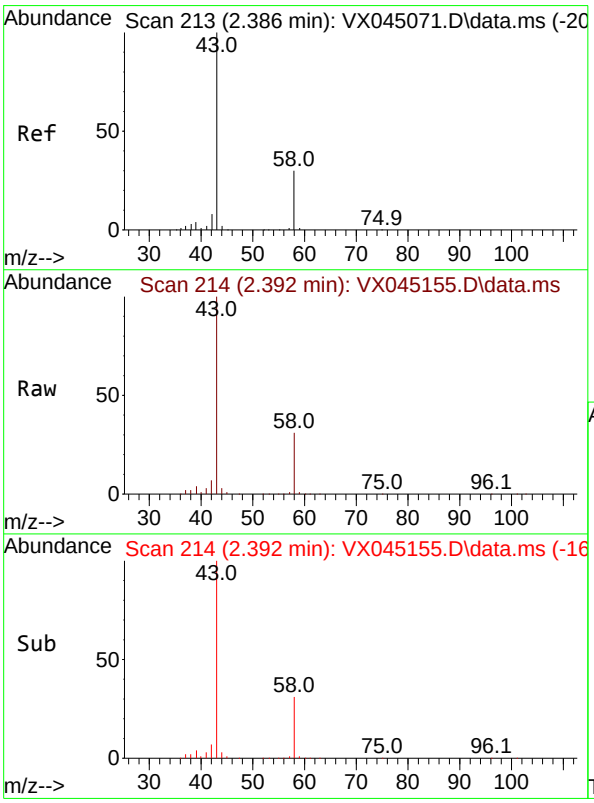
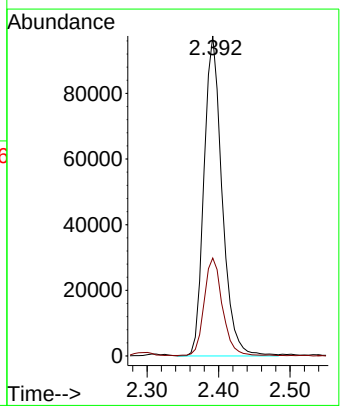
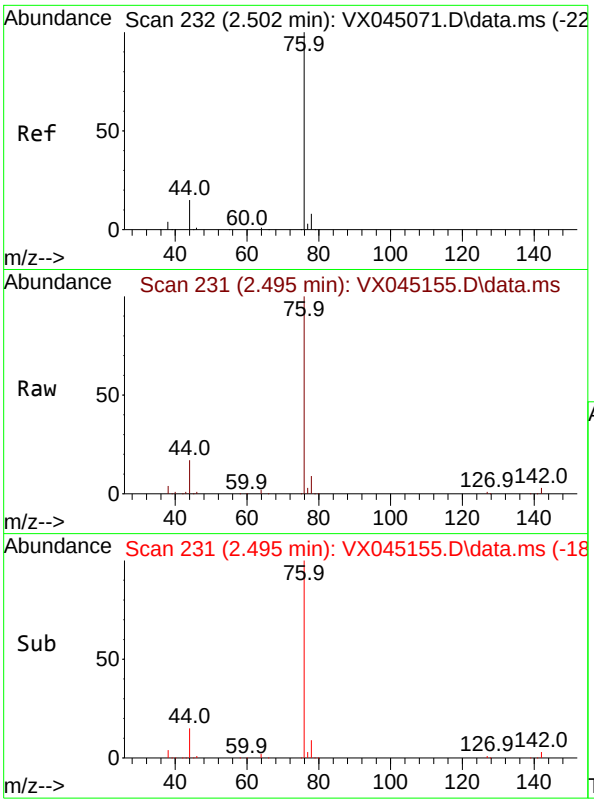


#16
Acetone
Concen: 233.847 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 43 Resp: 171774

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4





#17
Carbon Disulfide
Concen: 44.684 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 76 Resp: 14555

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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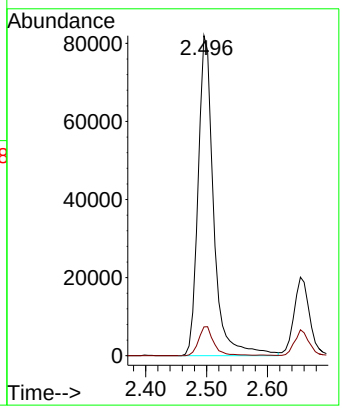
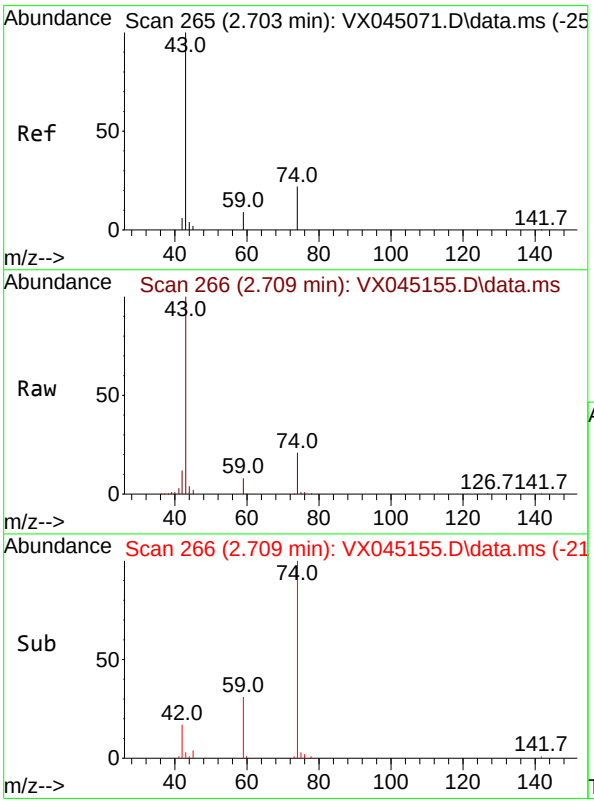
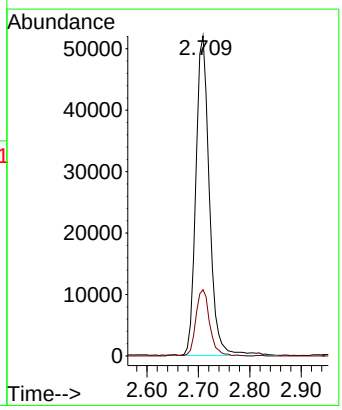


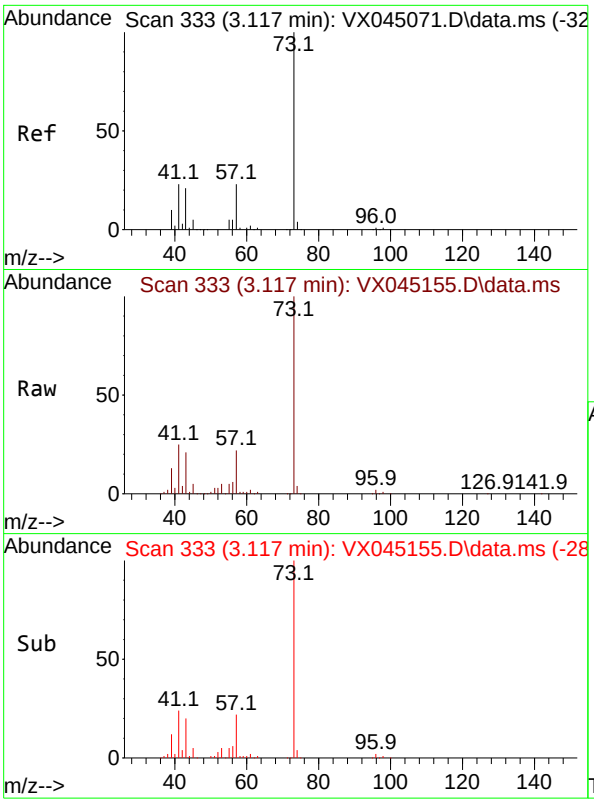


#18
Methyl Acetate
Concen: 53.893 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 43 Resp: 95234

Ion	Ratio	Lower	Upper
43	100		
74	20.6	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 48.872 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 73 Resp: 20053

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/10/2025
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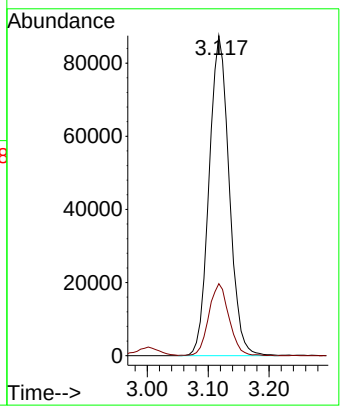
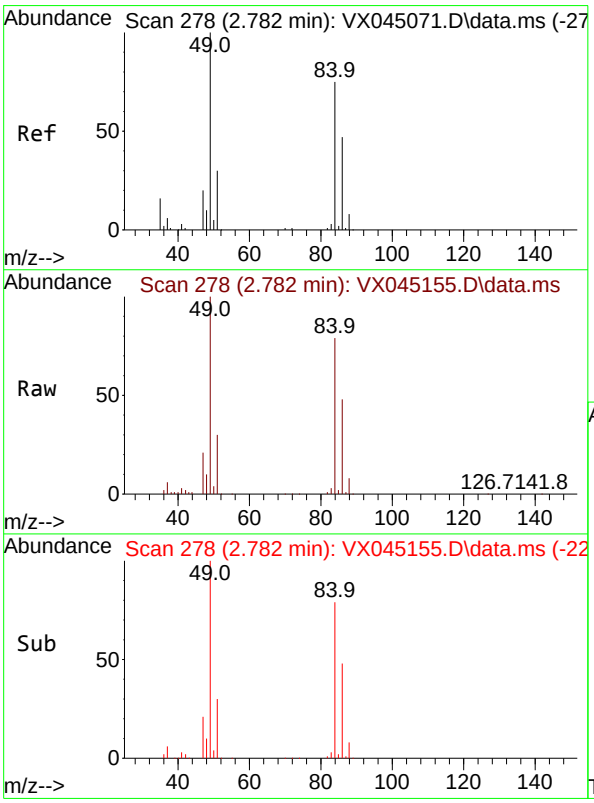
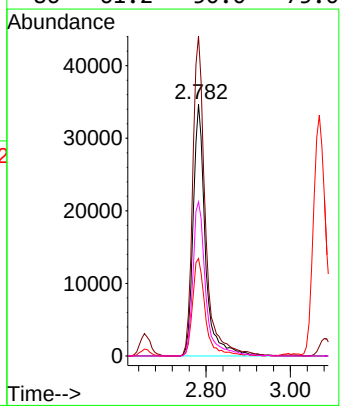


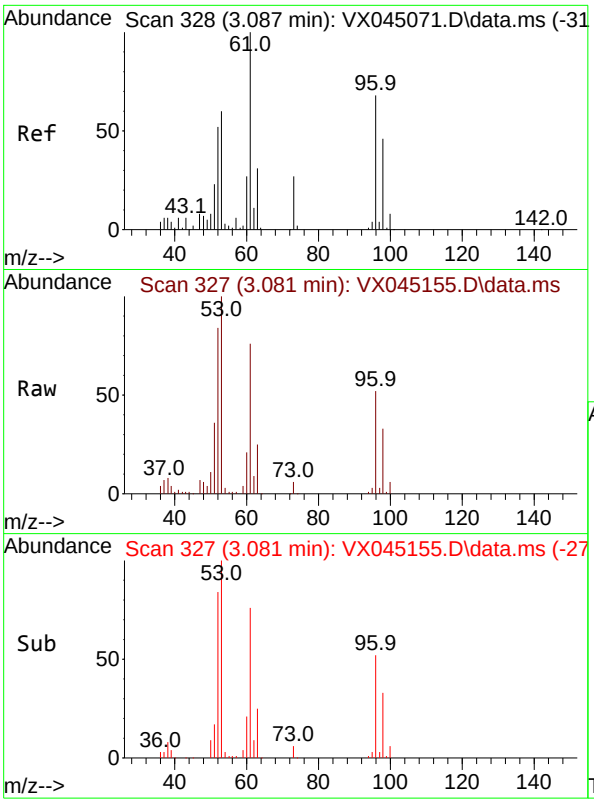


#20
Methylene Chloride
Concen: 48.172 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 84 Resp: 70093

Ion	Ratio	Lower	Upper
84	100		
49	127.1	106.5	159.7
51	38.7	32.1	48.1
86	61.2	50.0	75.0

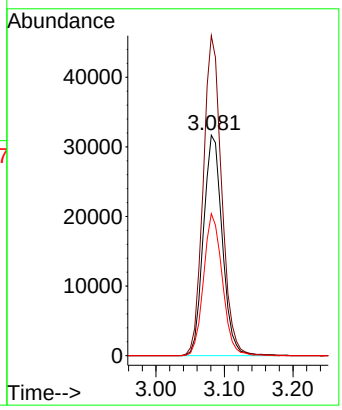




#21
trans-1,2-Dichloroethene
Concen: 50.255 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 96 Resp: 6072

Ion	Ratio	Lower	Upper
96	100		
61	145.1	117.0	175.4
98	64.4	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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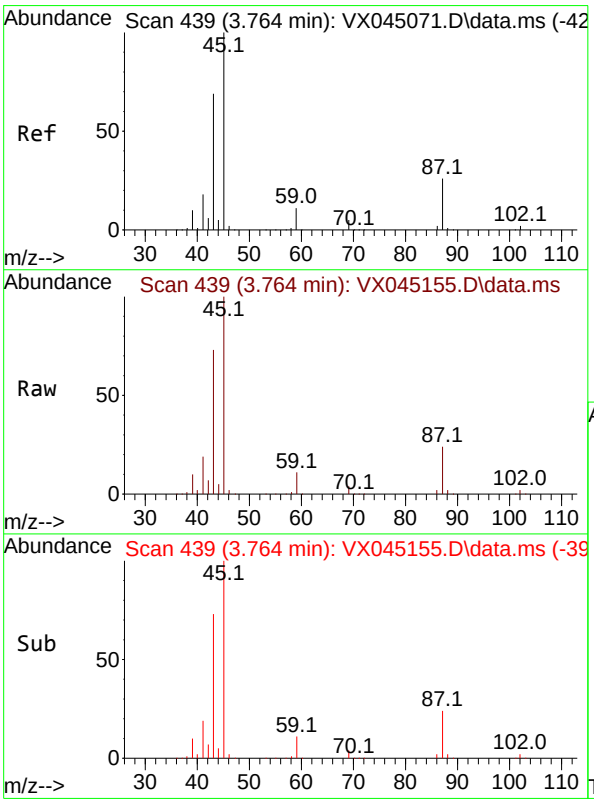
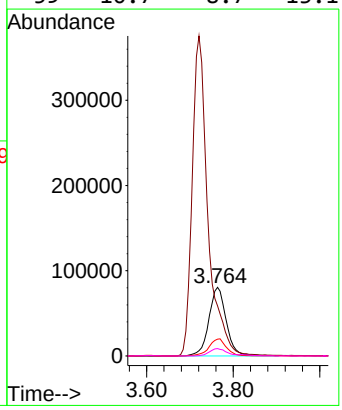
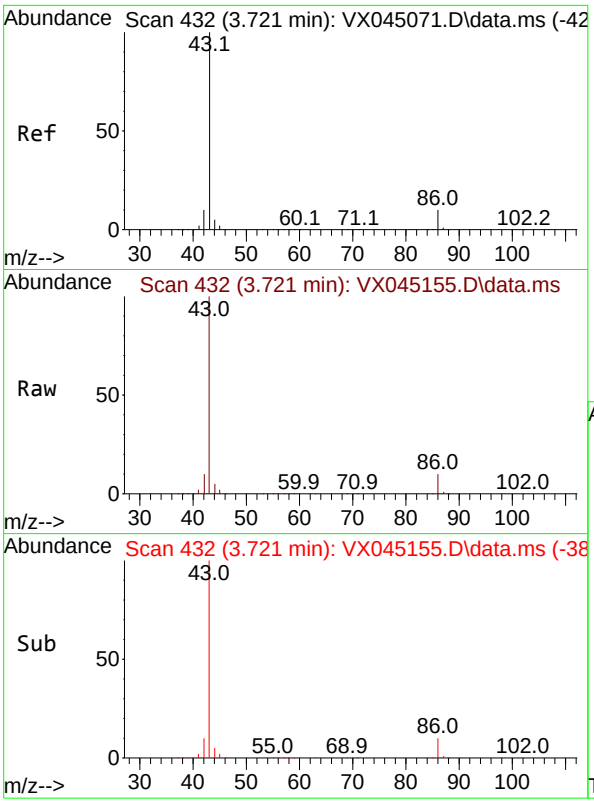


#22
Diisopropyl ether
Concen: 50.793 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 45 Resp: 224890

Ion	Ratio	Lower	Upper
45	100		
43	72.7	54.9	82.3
87	24.4	21.0	31.4
59	10.7	8.7	13.1





#23
Vinyl Acetate
Concen: 257.151 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 43 Resp: 95014

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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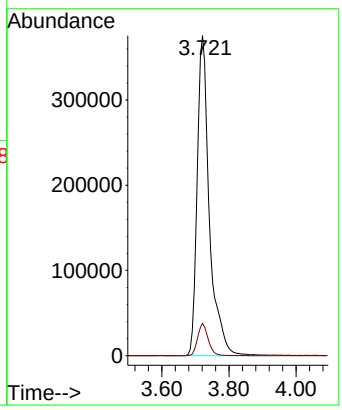
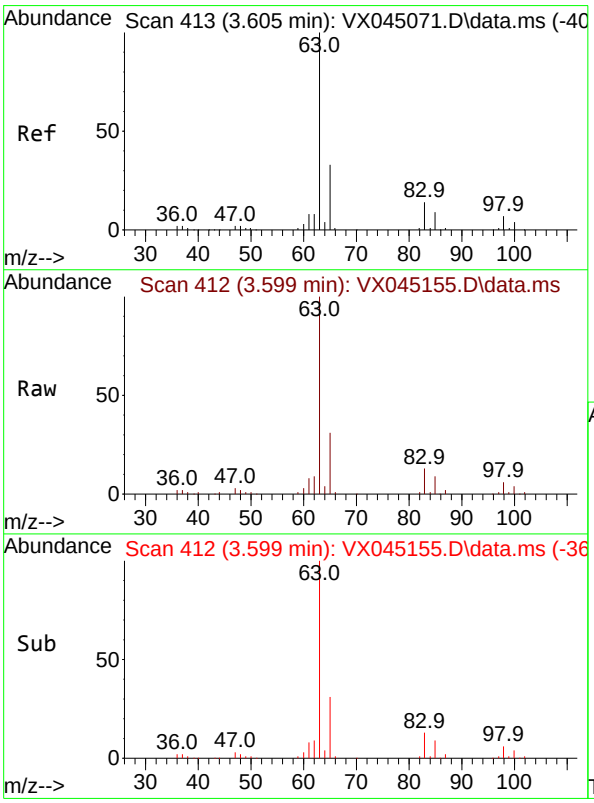
Supervised By :Mahesh Dadoda 03/10/2025

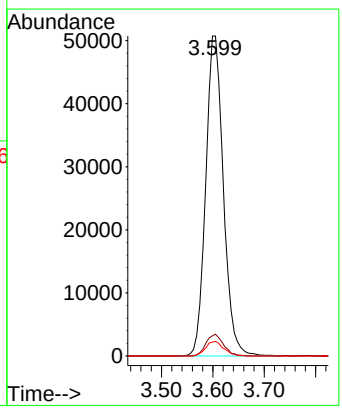


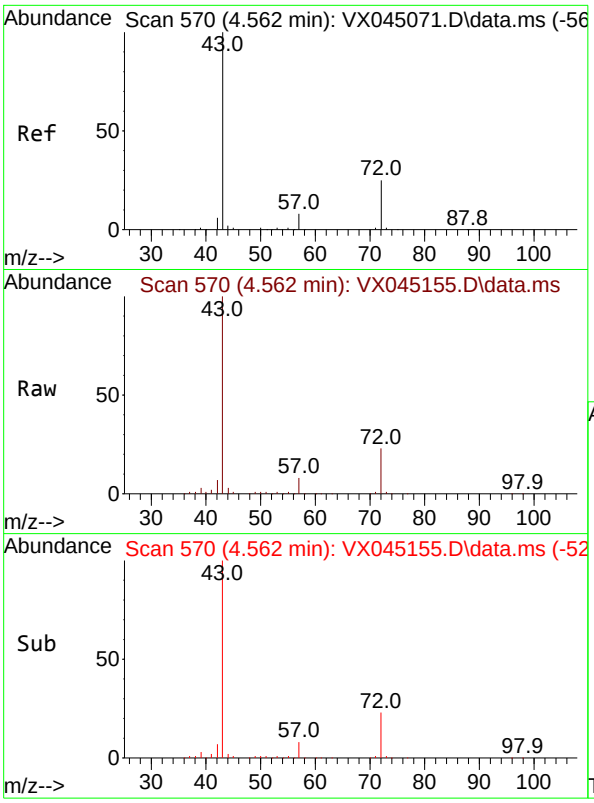


#24
1,1-Dichloroethane
Concen: 48.731 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 63 Resp: 120920

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.2
100	4.4	2.1	6.5





#25
2-Butanone
Concen: 253.939 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 43 Resp: 28077

Ion	Ratio	Lower	Upper
43	100		
72	23.2	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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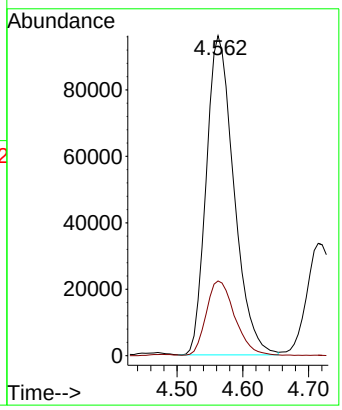
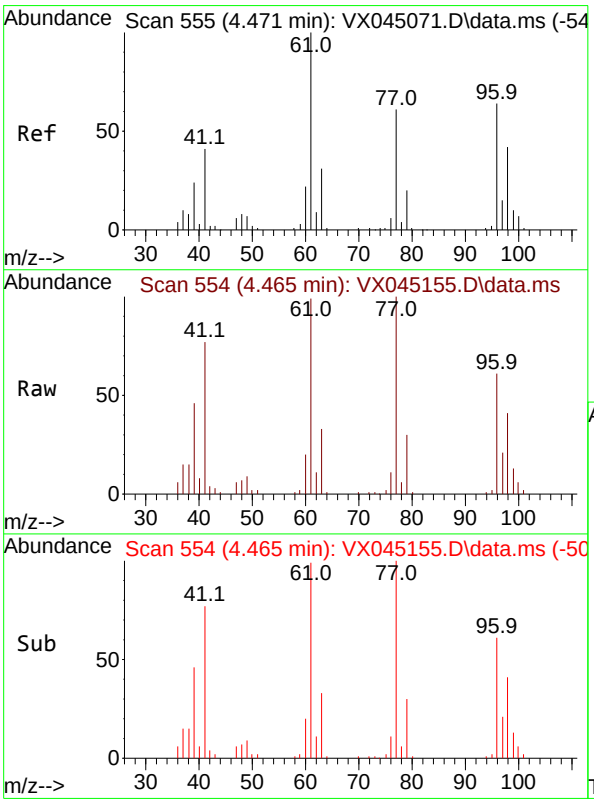
Supervised By :Mahesh Dadoda 03/10/2025

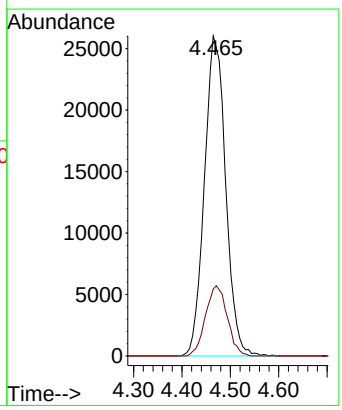


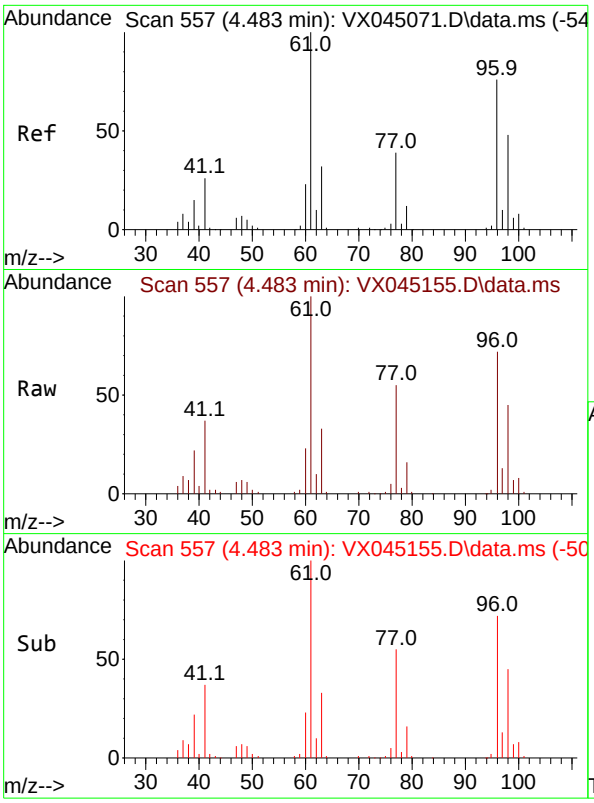


#26
2,2-Dichloropropane
Concen: 68.182 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 77 Resp: 79357

Ion	Ratio	Lower	Upper
77	100		
97	22.4	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 50.079 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 96 Resp: 7469

Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	283.2
98	63.7	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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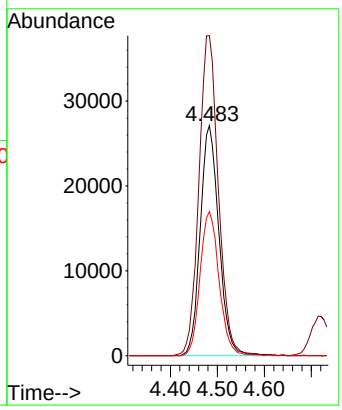
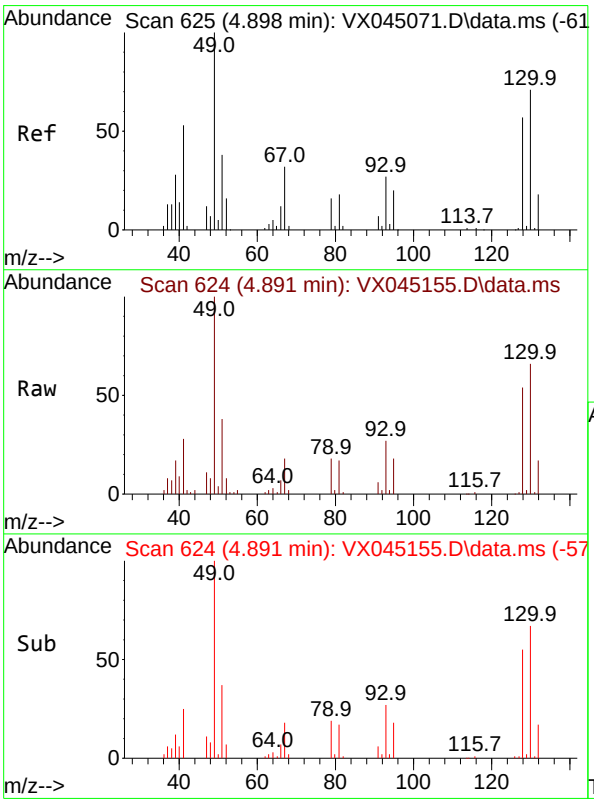
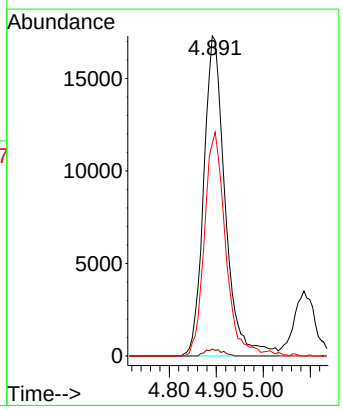


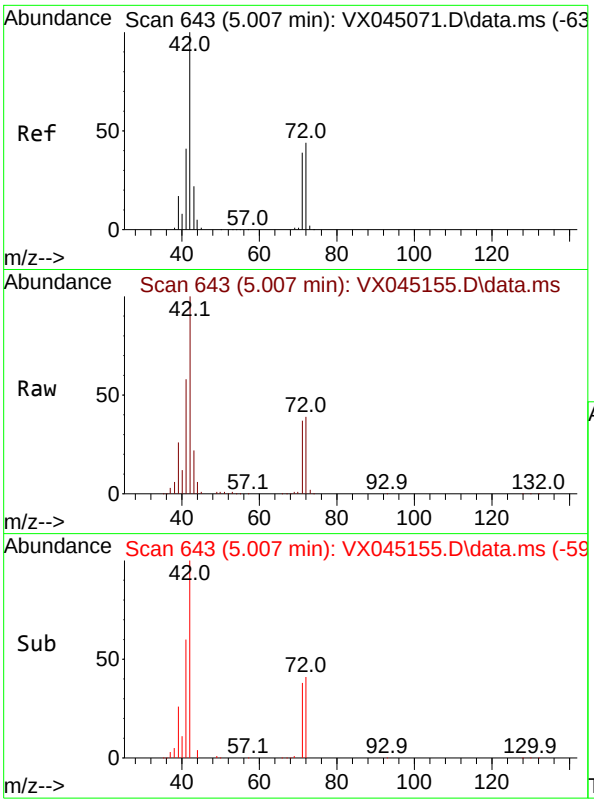


#28
Bromochloromethane
Concen: 46.329 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 49 Resp: 54795

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	68.4	56.1	84.1

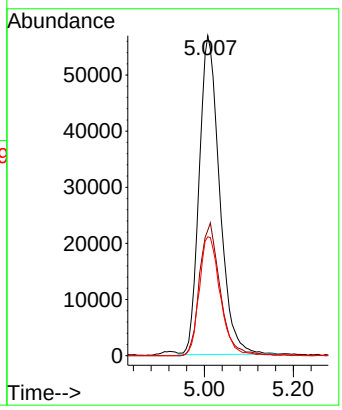




#29
Tetrahydrofuran
Concen: 244.426 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 42 Resp: 18149

Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.1	51.1
71	38.3	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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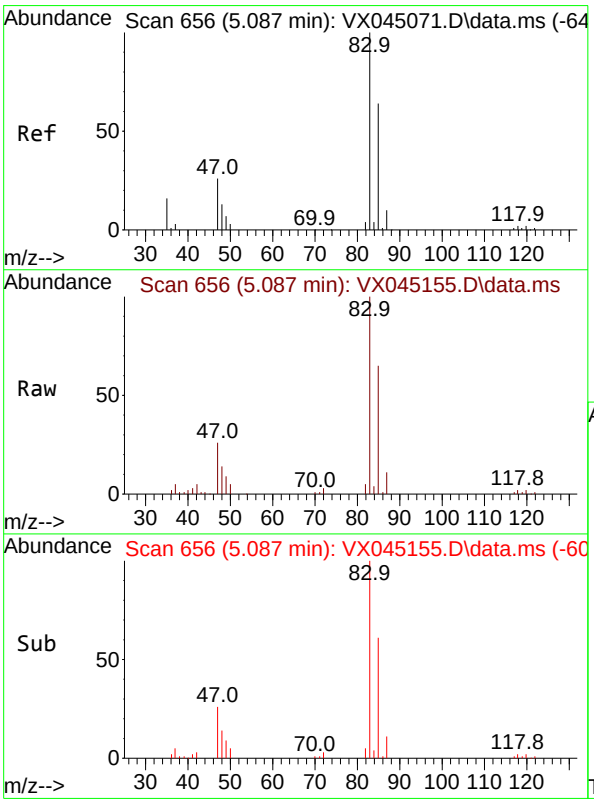
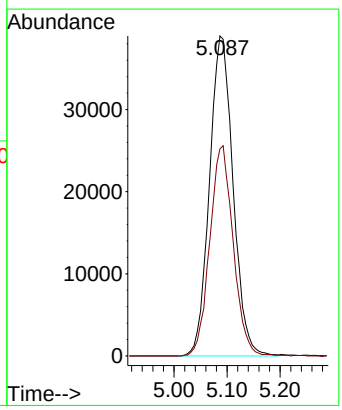
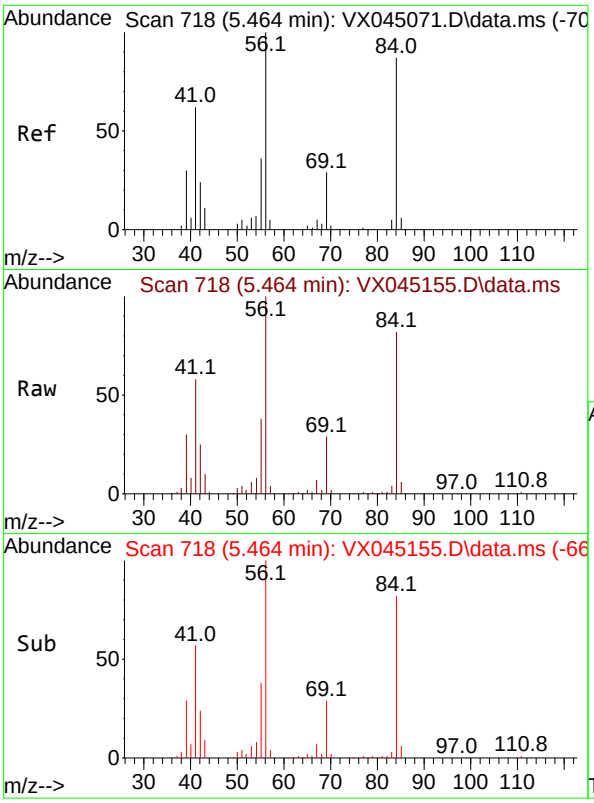


#30
Chloroform
Concen: 48.804 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 83 Resp: 120327

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2





#31
Cyclohexane
Concen: 50.191 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 56 Resp: 10811

Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.4	35.2
84	80.2	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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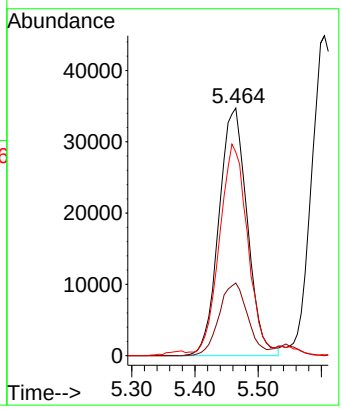
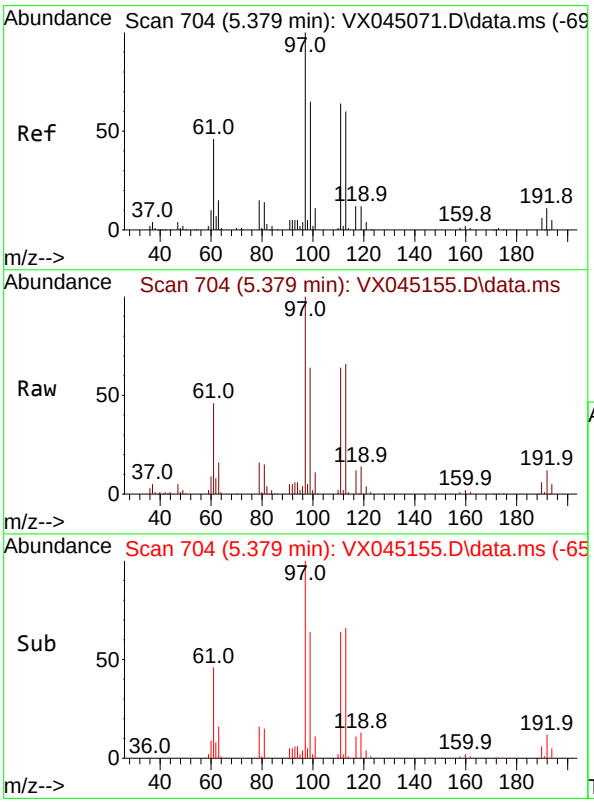
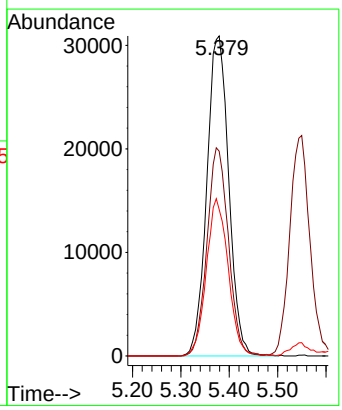


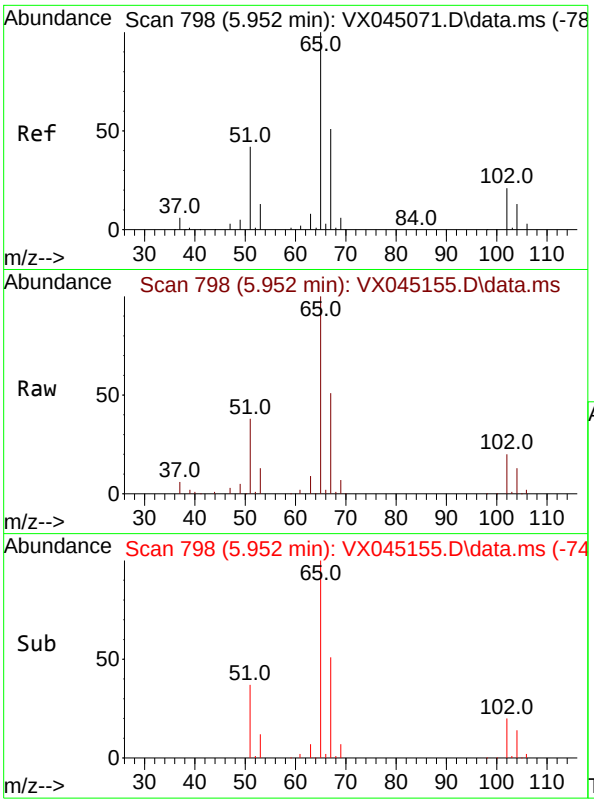


#32
1,1,1-Trichloroethane
Concen: 48.875 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 97 Resp: 97325

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	49.0	38.4	57.6





#33
1,2-Dichloroethane-d4
Concen: 49.233 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 65 Resp: 7794

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	106.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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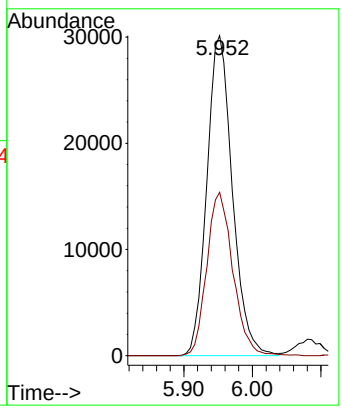
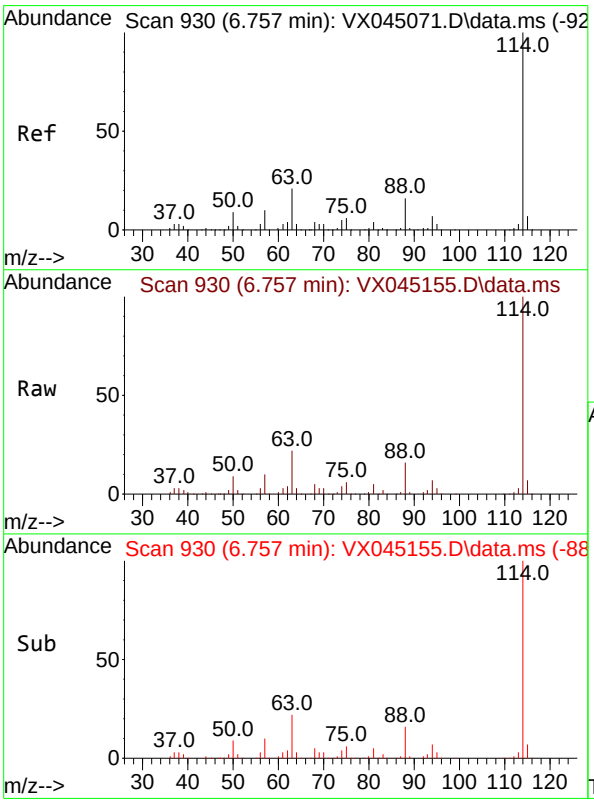
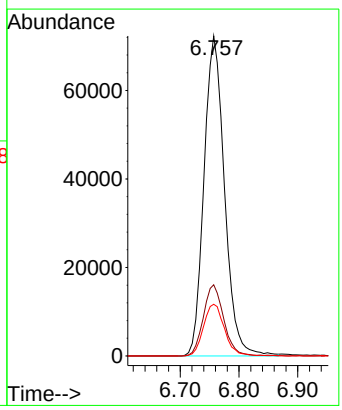


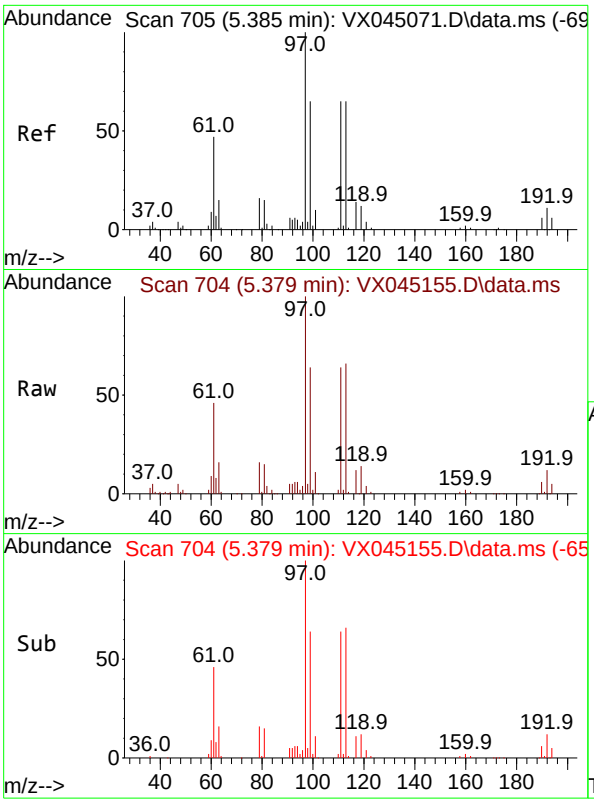


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:114 Resp: 175834

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	41.8
88	16.2	0.0	32.8

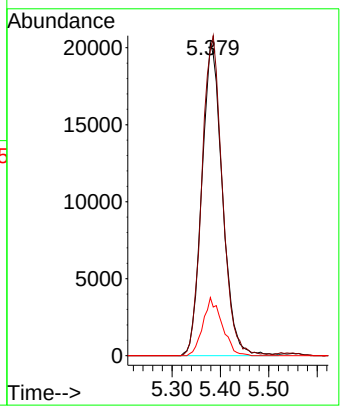




#35
Dibromofluoromethane
Concen: 50.978 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:113 Resp: 5993

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.6
192	17.3	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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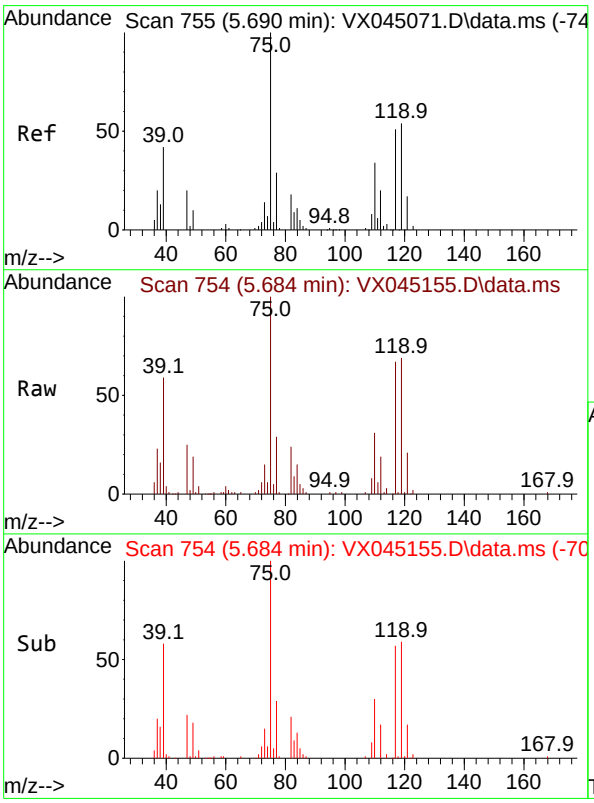
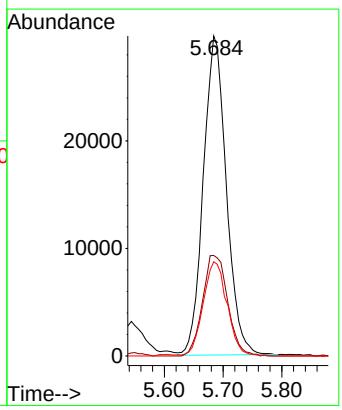
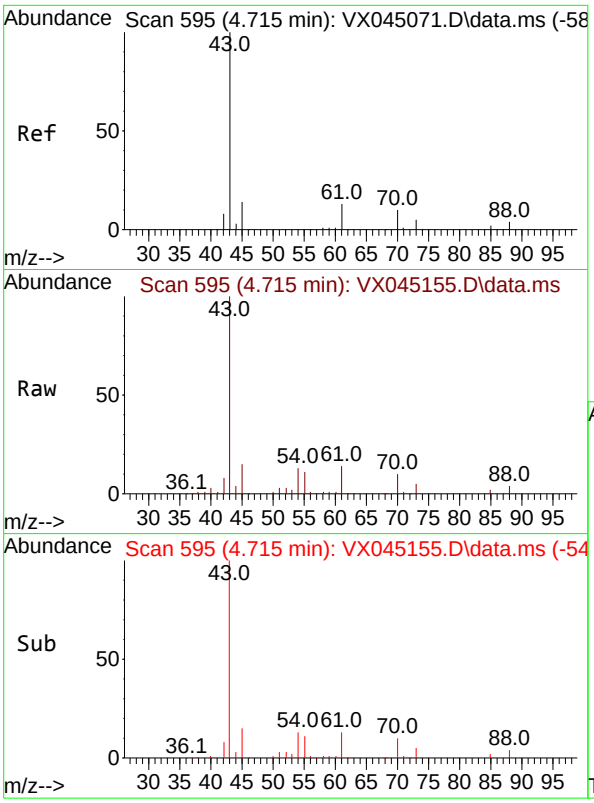


#36
1,1-Dichloropropene
Concen: 49.941 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 75 Resp: 80527

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.7	24.5	36.7

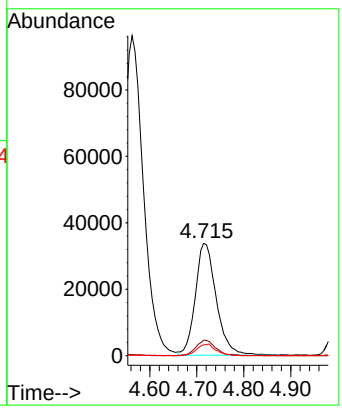




#37
Ethyl Acetate
Concen: 50.173 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 43 Resp: 10424

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	9.5	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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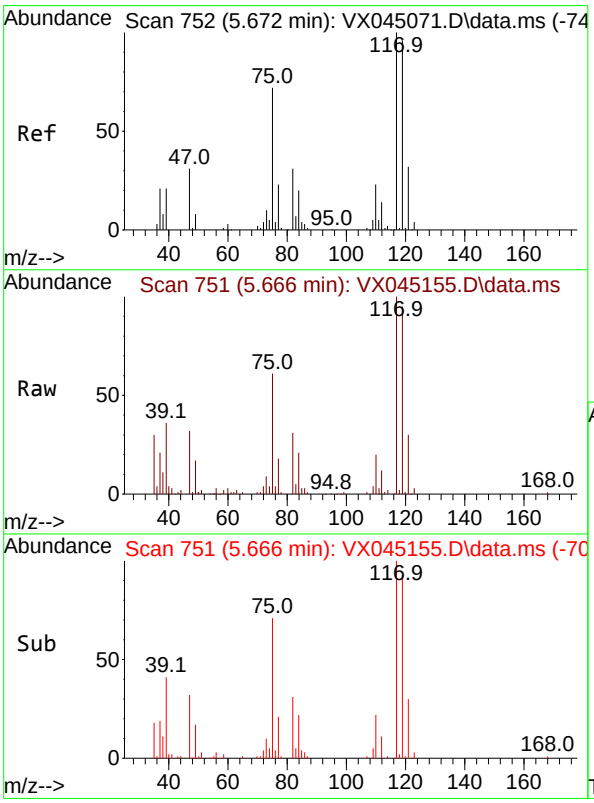
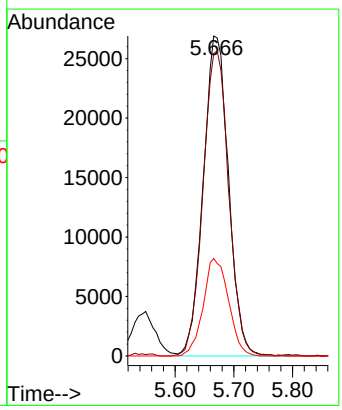
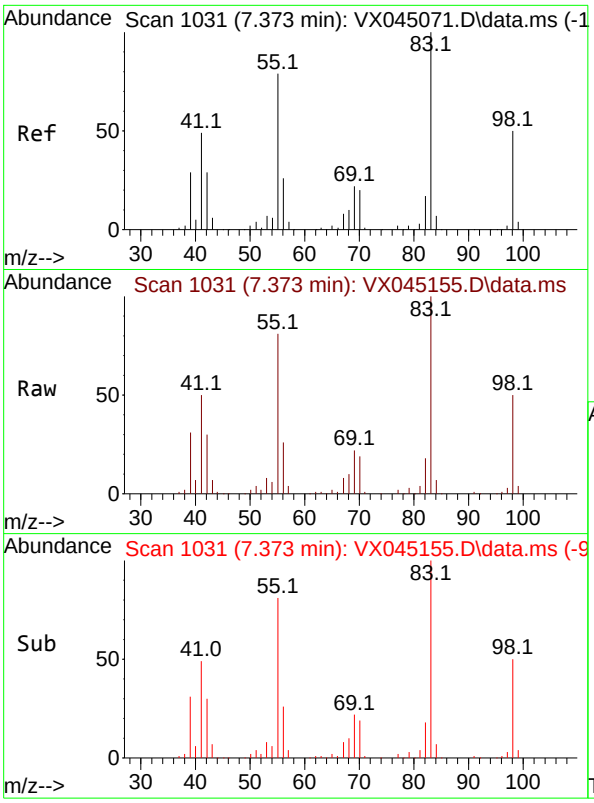


#38
Carbon Tetrachloride
Concen: 49.163 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:117 Resp: 80480

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.7	115.1
121	30.4	25.5	38.3





#39
Methylcyclohexane
Concen: 54.417 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 83 Resp: 10513

Ion	Ratio	Lower	Upper
83	100		
55	80.5	63.0	94.4
98	50.2	39.7	59.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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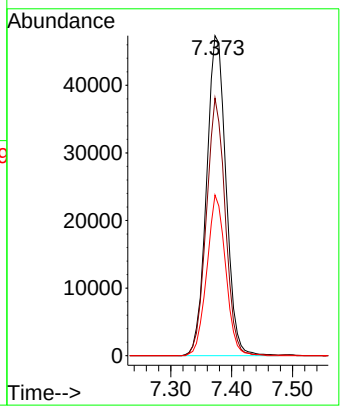
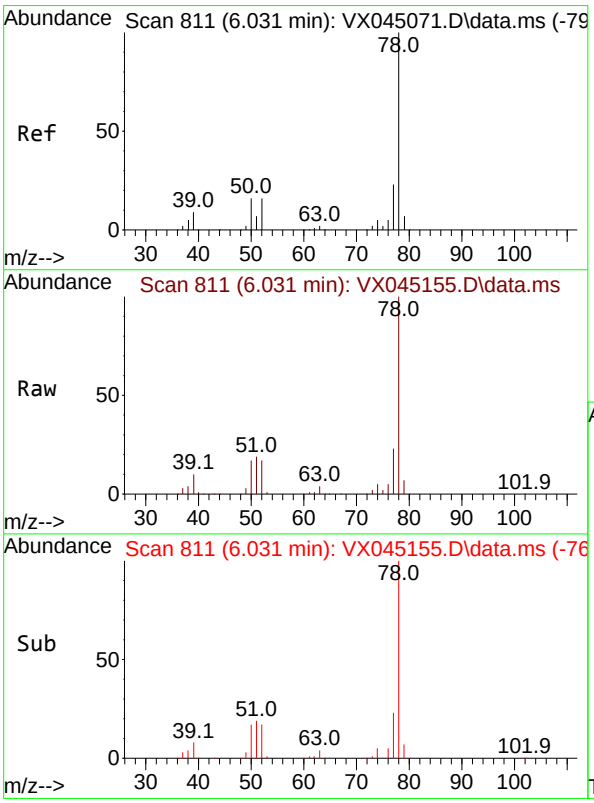
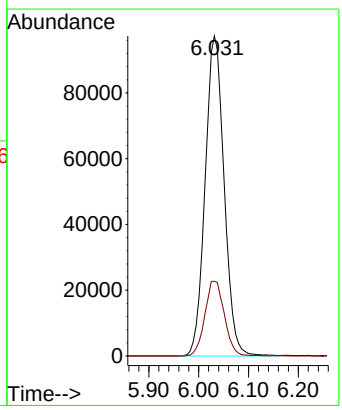


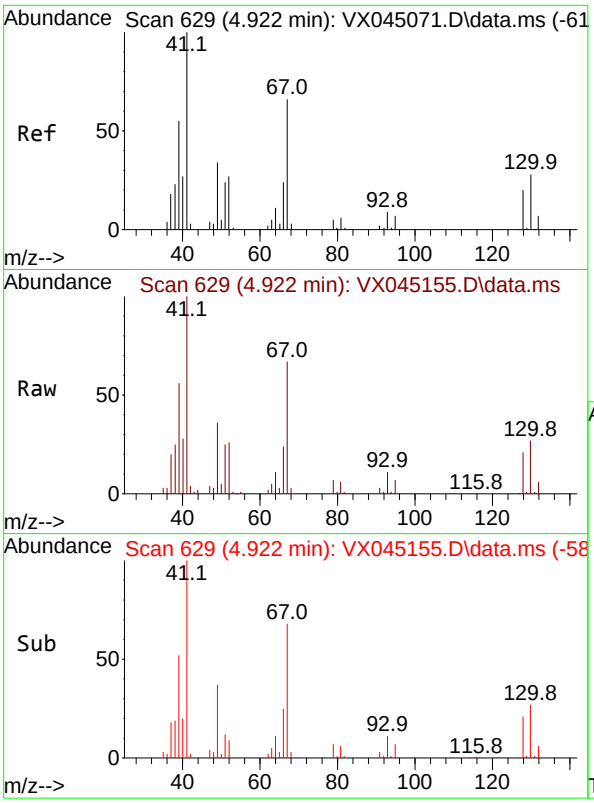


#40
Benzene
Concen: 50.564 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 78 Resp: 257458

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2

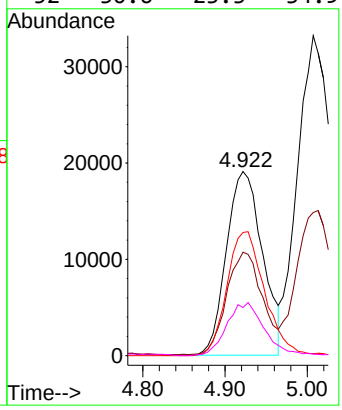




#41
Methacrylonitrile
Concen: 51.935 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 41 Resp: 5834

Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	67.0
67	70.7	53.9	80.9
52	30.6	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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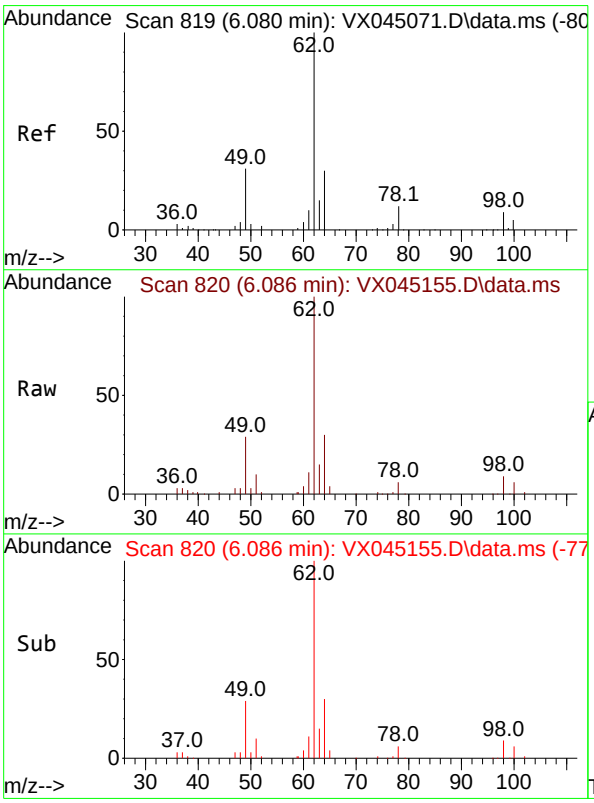
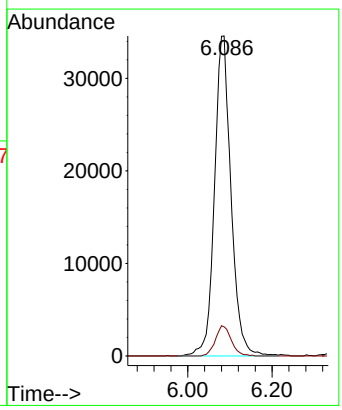
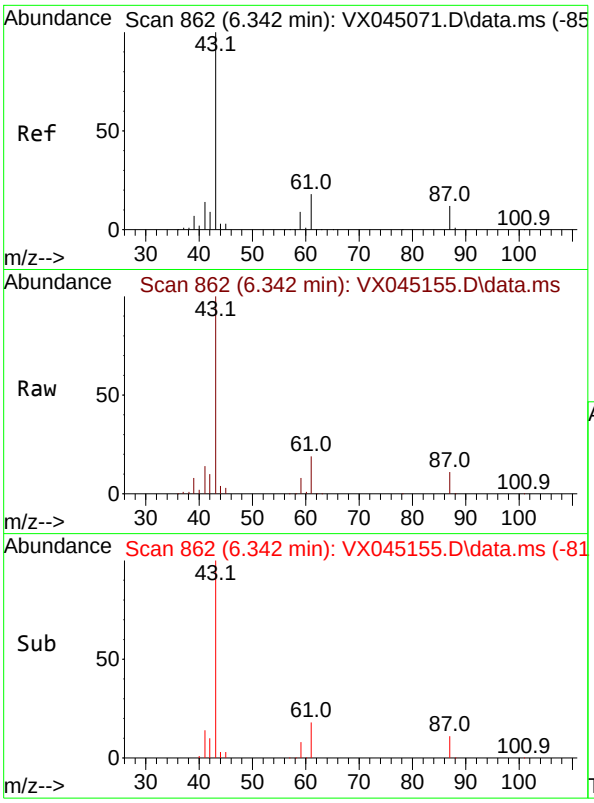


#42
1,2-Dichloroethane
Concen: 51.224 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 62 Resp: 93921

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43
Isopropyl Acetate
Concen: 51.671 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 43 Resp: 15875

Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.9	22.3
87	11.9	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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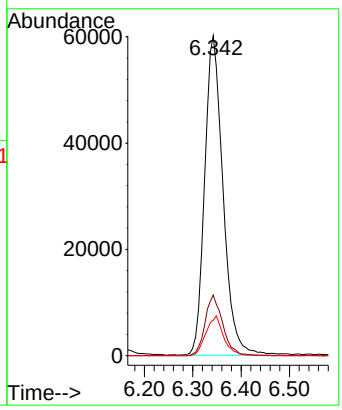
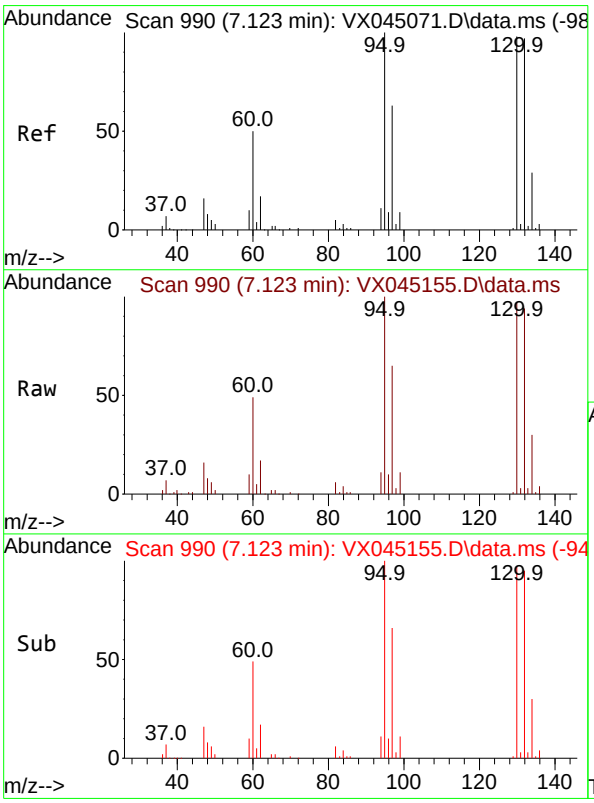
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

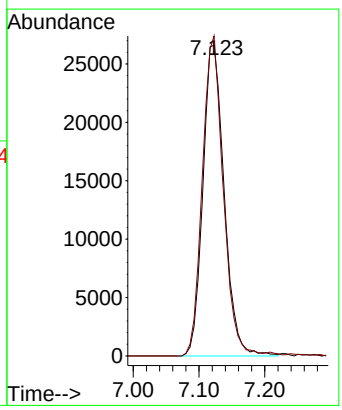


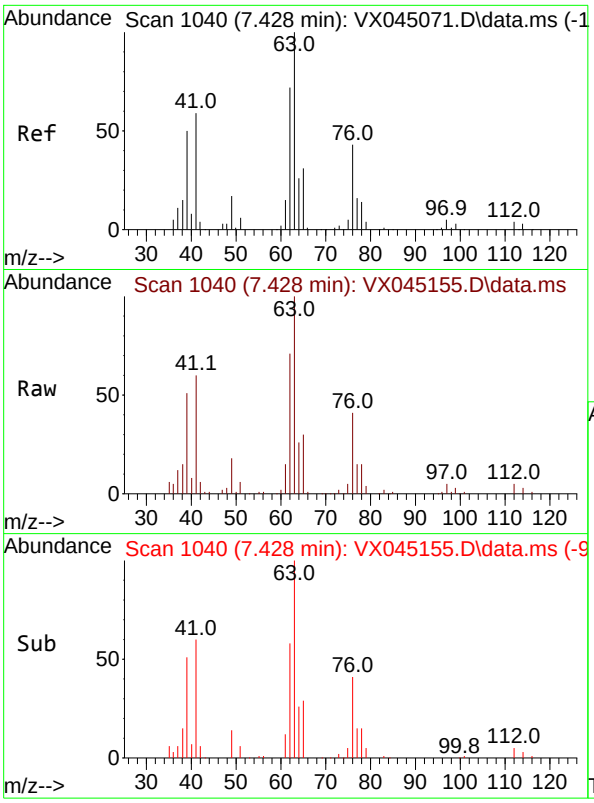


#44
Trichloroethene
Concen: 50.205 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:130 Resp: 60024

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	205.0

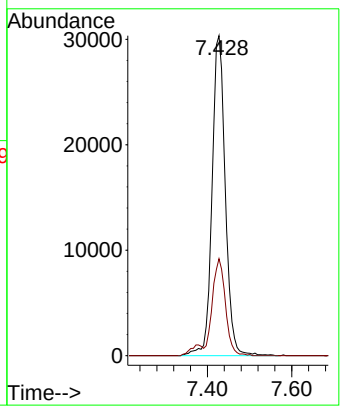




#45
1,2-Dichloropropane
Concen: 50.625 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 63 Resp: 6627

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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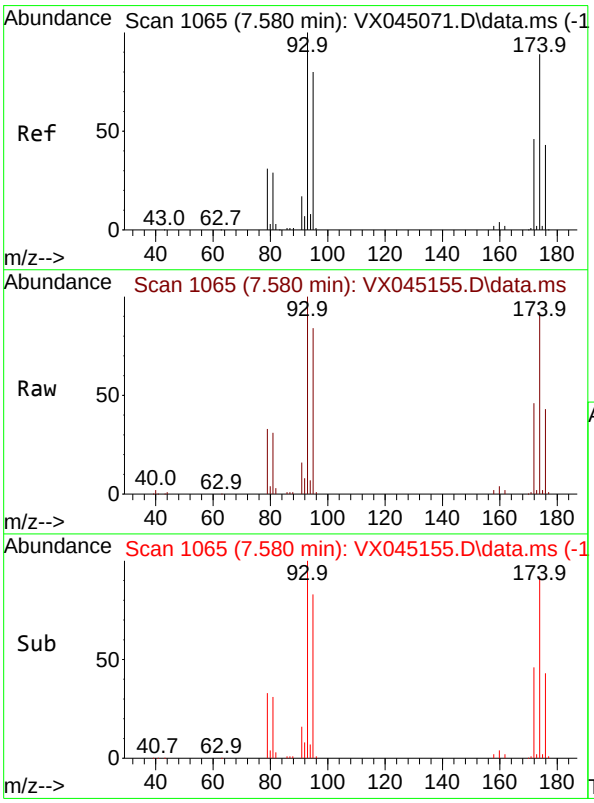
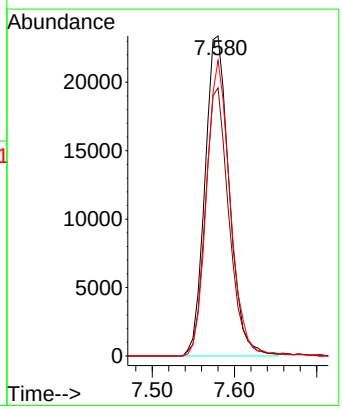
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

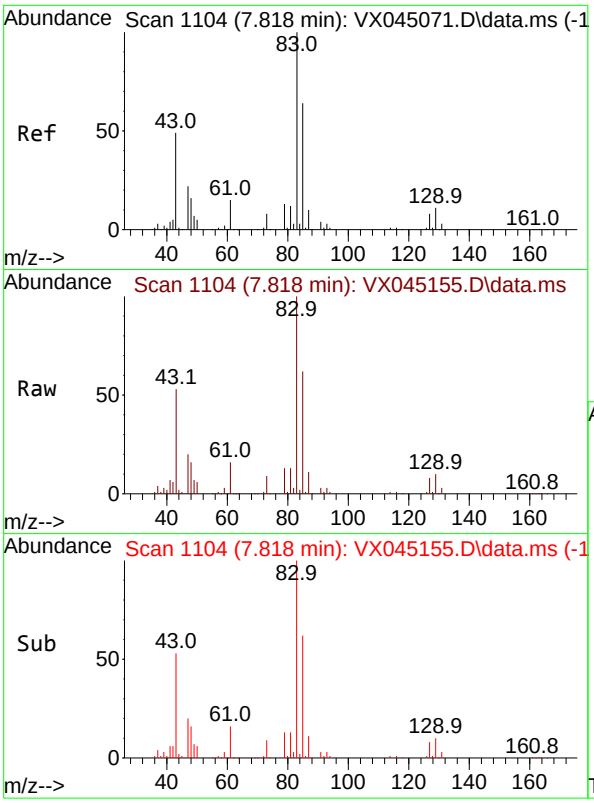


#46
Dibromomethane
Concen: 51.739 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 93 Resp: 47874

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.8	98.8
174	90.1	72.2	108.2

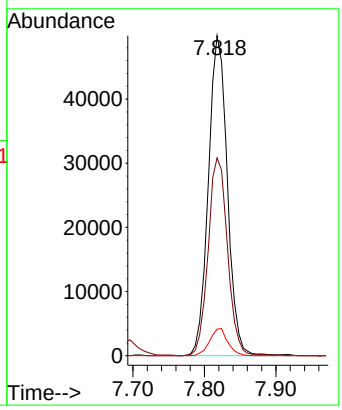




#47
Bromodichloromethane
Concen: 50.685 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 83 Resp: 9199

Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.1	76.7
127	8.3	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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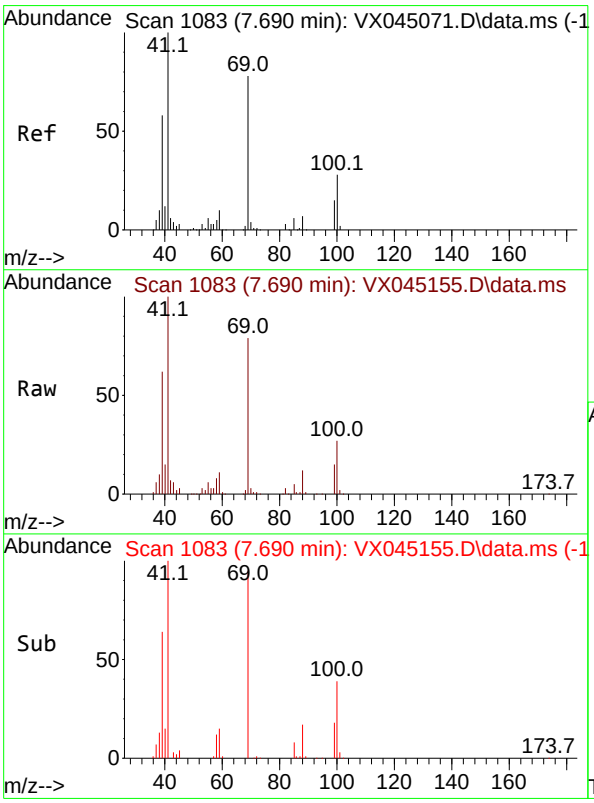
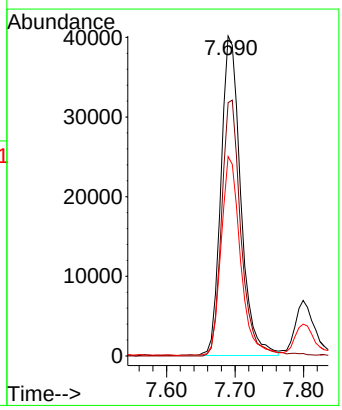
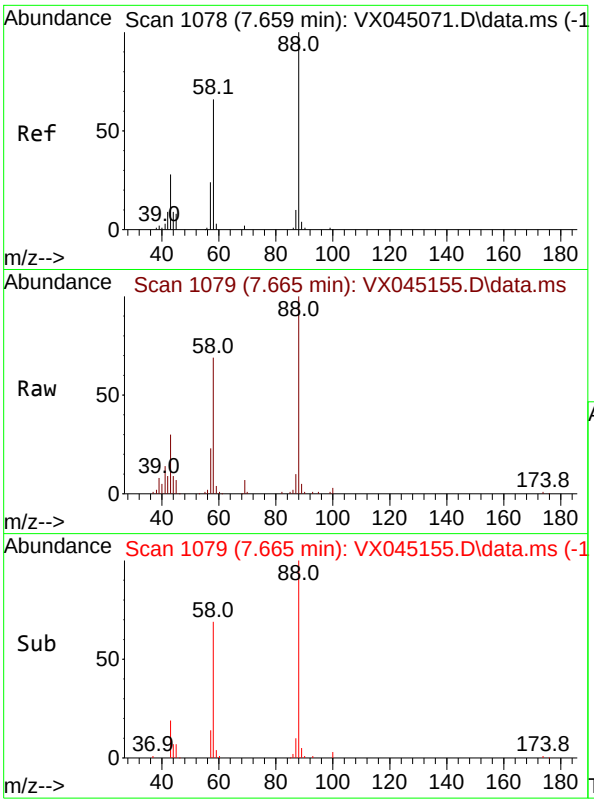


#48
Methyl methacrylate
Concen: 51.991 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 41 Resp: 80137

Ion	Ratio	Lower	Upper
41	100		
69	78.3	63.0	94.6
39	61.0	47.5	71.3

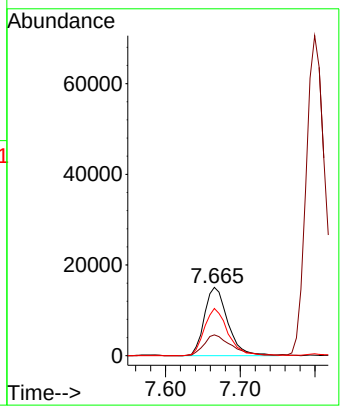




#49
1,4-Dioxane
Concen: 1004.564 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 88 Resp: 3266

Ion	Ratio	Lower	Upper
88	100		
43	35.7	28.7	43.1
58	70.0	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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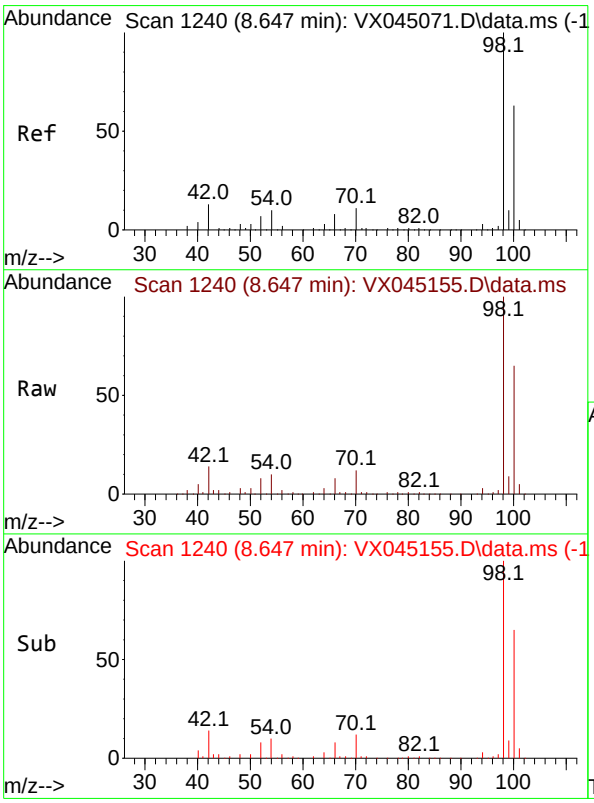
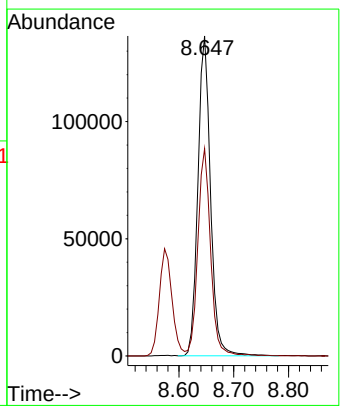
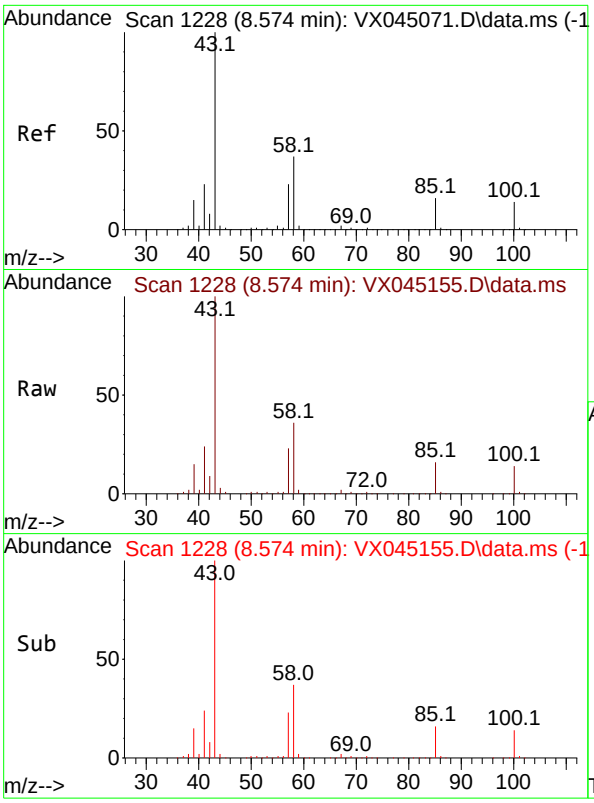


#50
Toluene-d8
Concen: 51.298 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 98 Resp: 218659

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 262.414 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 43 Resp: 54133

Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 03/10/2025
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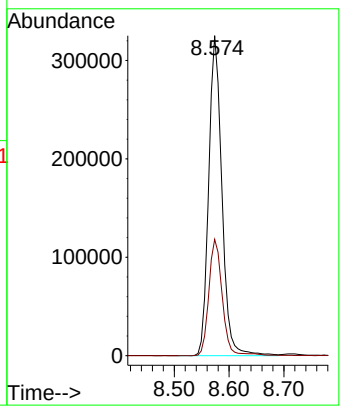
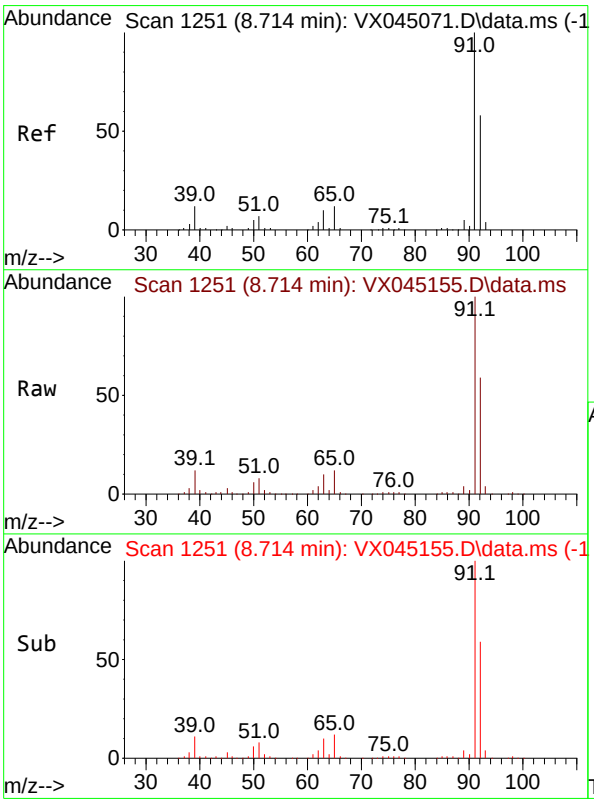
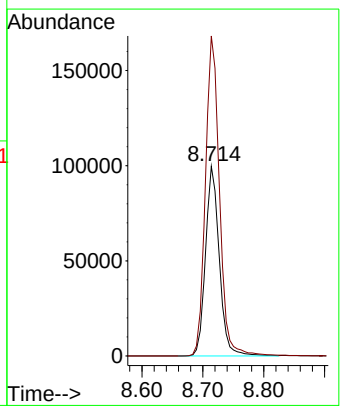


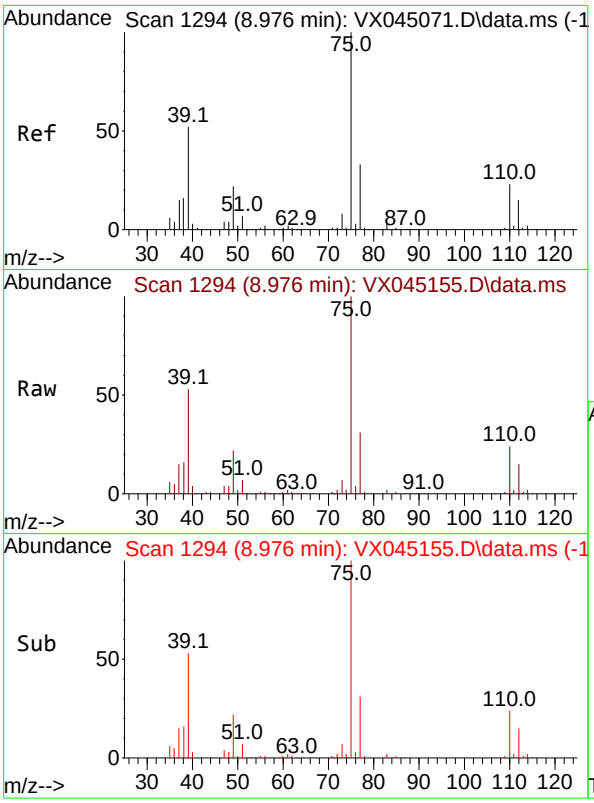


#52
Toluene
Concen: 52.538 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 92 Resp: 156953

Ion	Ratio	Lower	Upper
92	100		
91	172.1	138.9	208.3

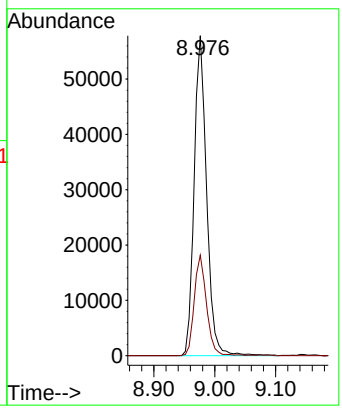




#53
t-1,3-Dichloropropene
Concen: 54.074 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 75 Resp: 8204

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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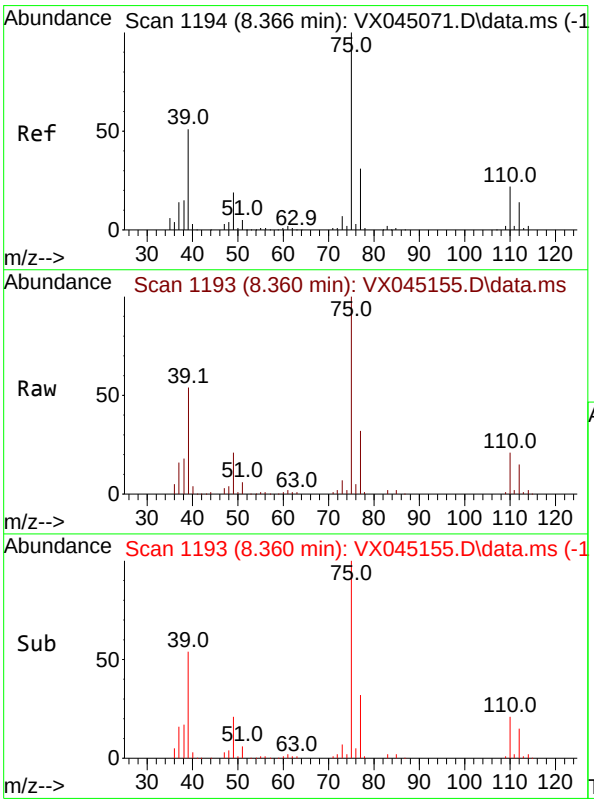
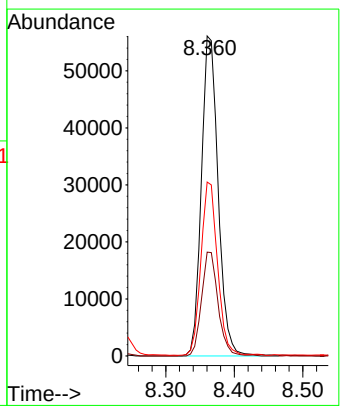
Supervised By :Mahesh Dadoda 03/10/2025

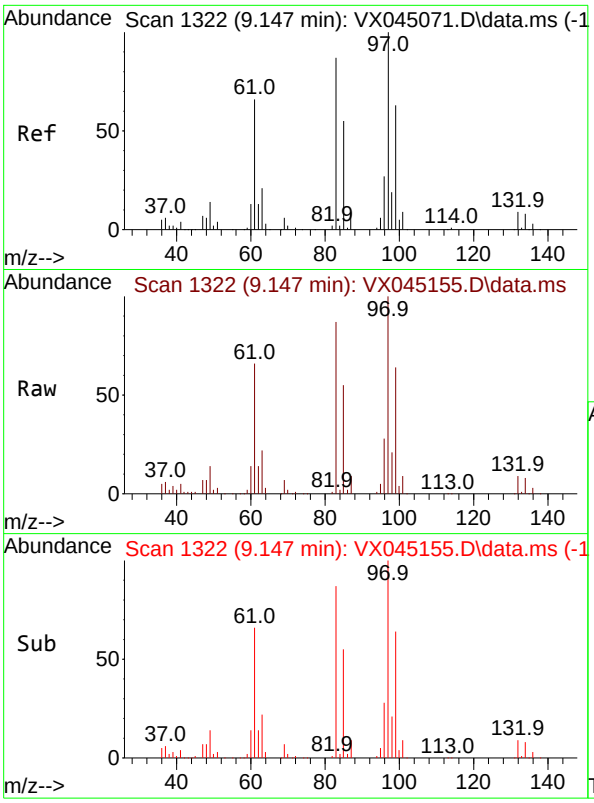


#54
cis-1,3-Dichloropropene
Concen: 54.055 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 75 Resp: 95642

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.7	37.1
39	54.2	40.7	61.1

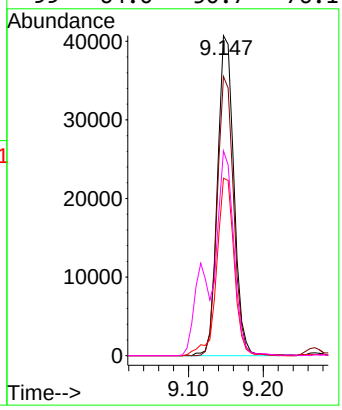




#55
1,1,2-Trichloroethane
Concen: 50.685 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 97 Resp: 6233

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.4	104.2
85	55.5	44.1	66.1
99	64.0	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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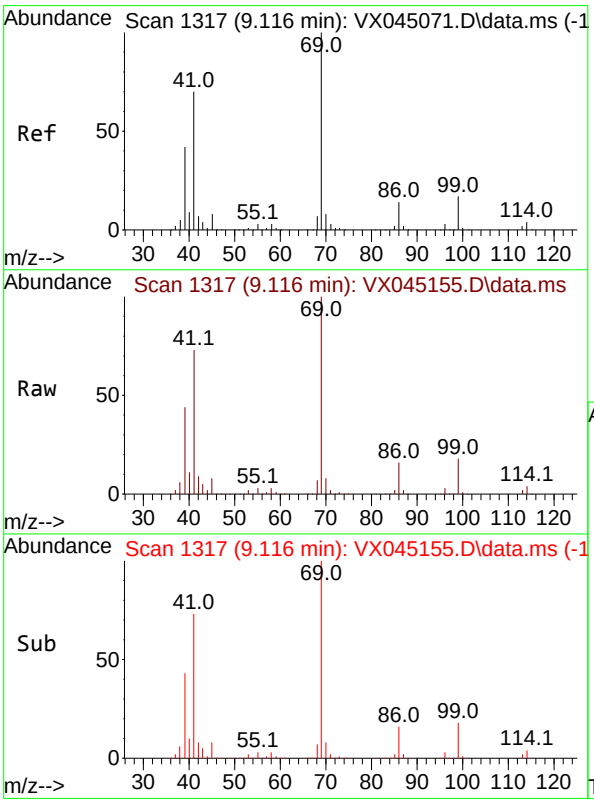
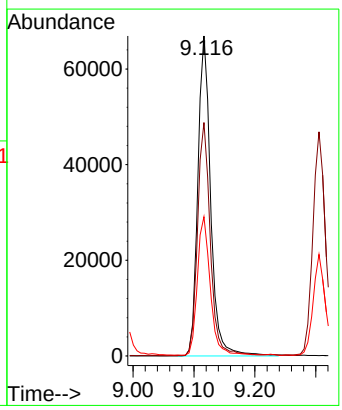
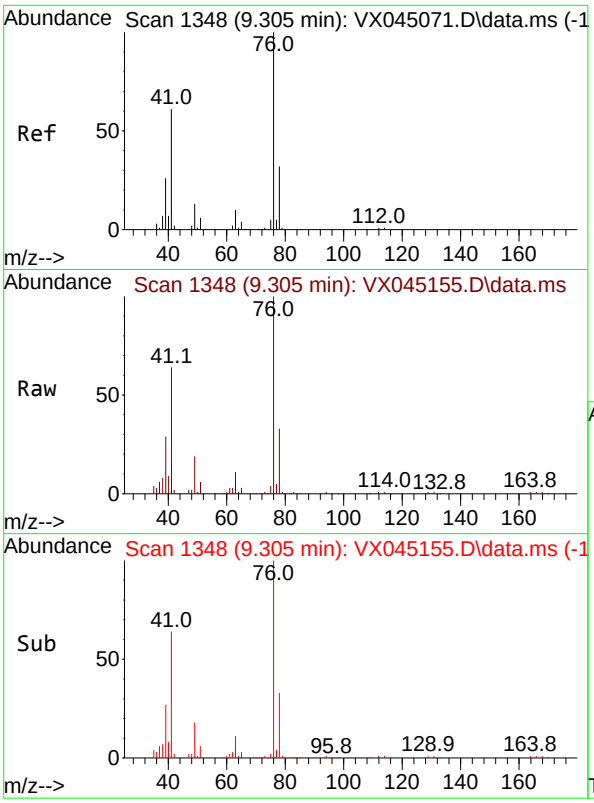


#56
Ethyl methacrylate
Concen: 52.367 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 69 Resp: 97896

Ion	Ratio	Lower	Upper
69	100		
41	72.4	57.0	85.4
39	43.4	34.2	51.4





#57
1,3-Dichloropropane
Concen: 50.592 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 76 Resp: 10767

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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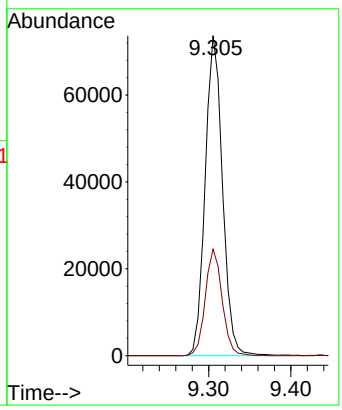
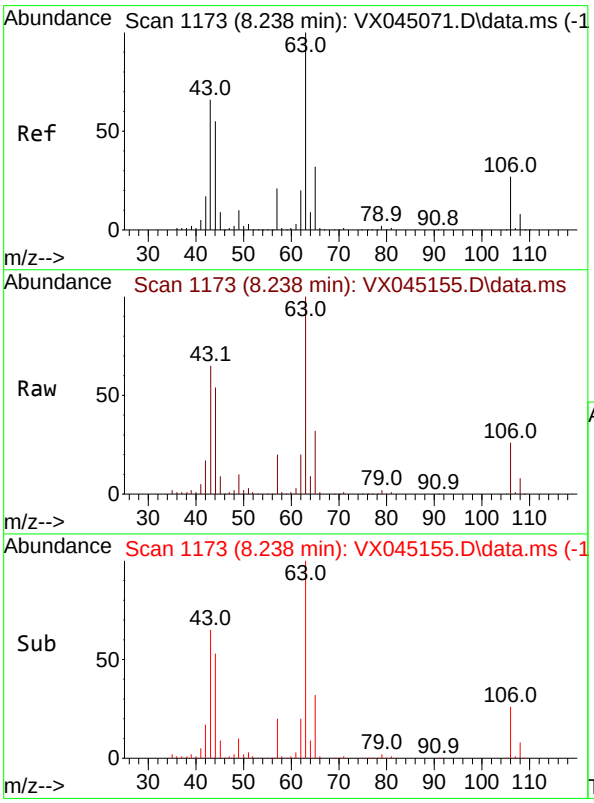
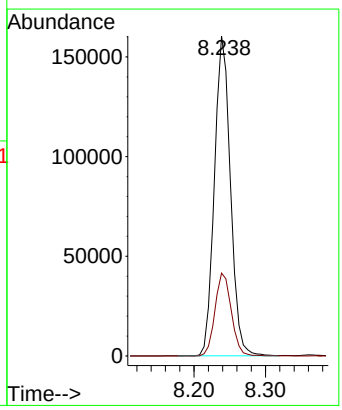


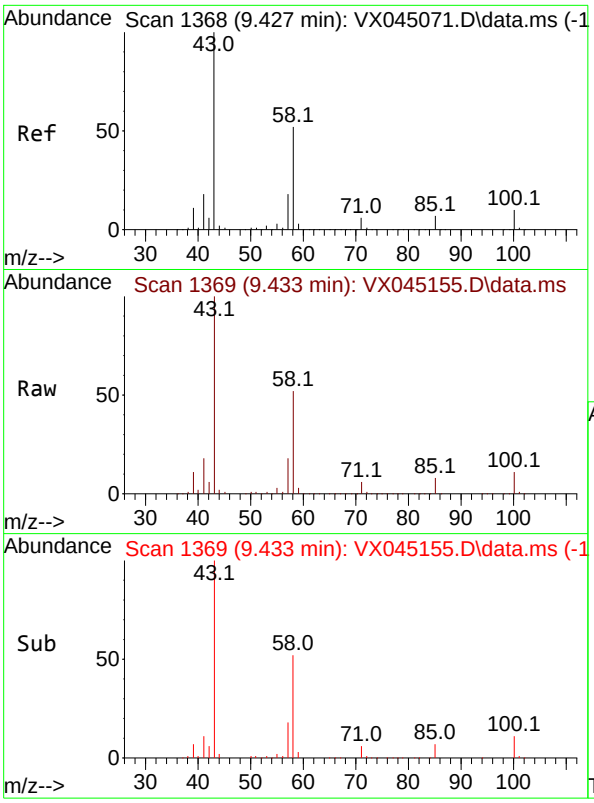


#58
2-Chloroethyl Vinyl ether
Concen: 274.113 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 63 Resp: 249971

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3





#59
2-Hexanone
Concen: 264.998 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 43 Resp: 39608

Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/10/2025
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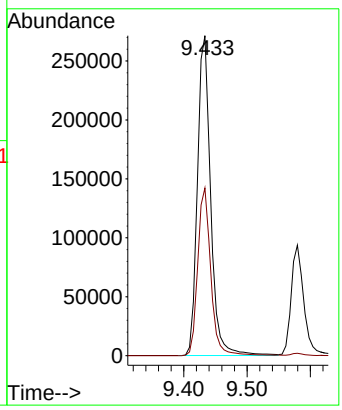
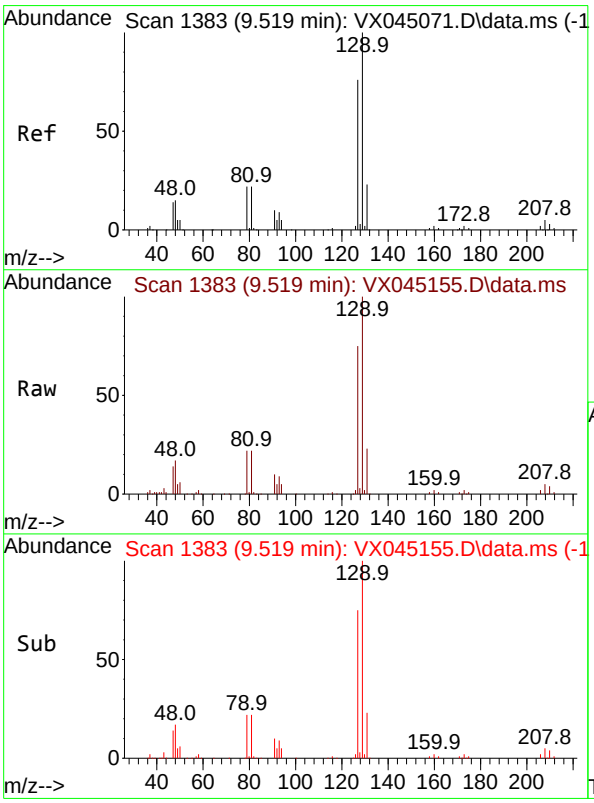
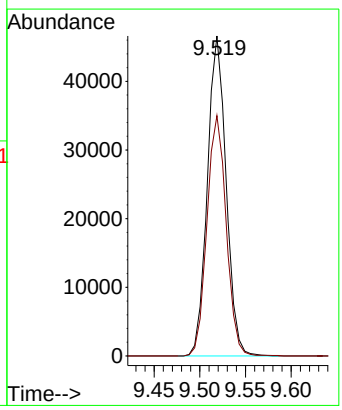


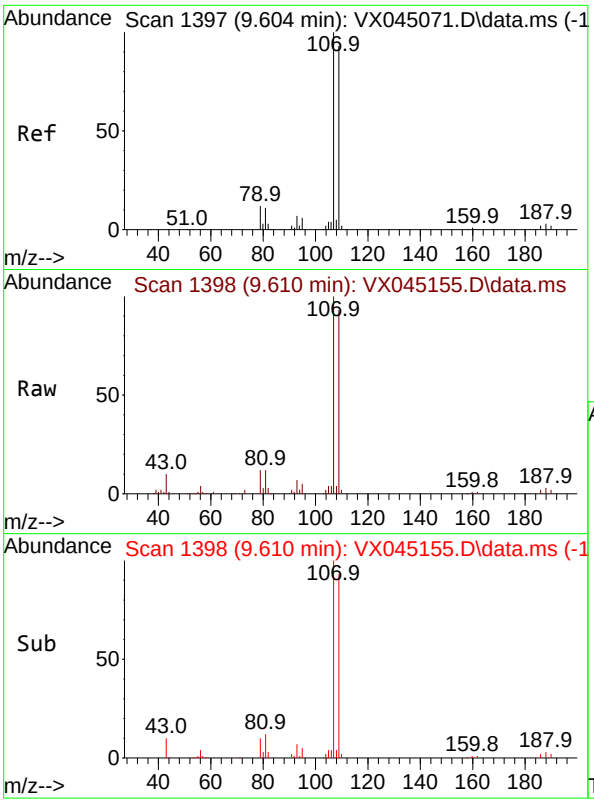


#60
Dibromochloromethane
Concen: 51.634 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:129 Resp: 66396

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.5	115.5

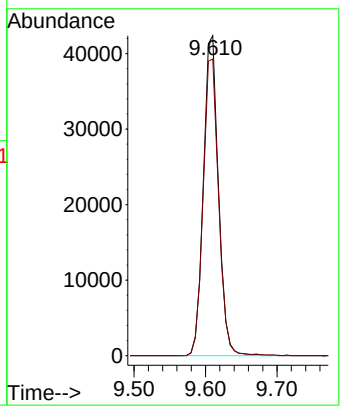




#61
1,2-Dibromoethane
Concen: 50.561 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:107 Resp: 6207

Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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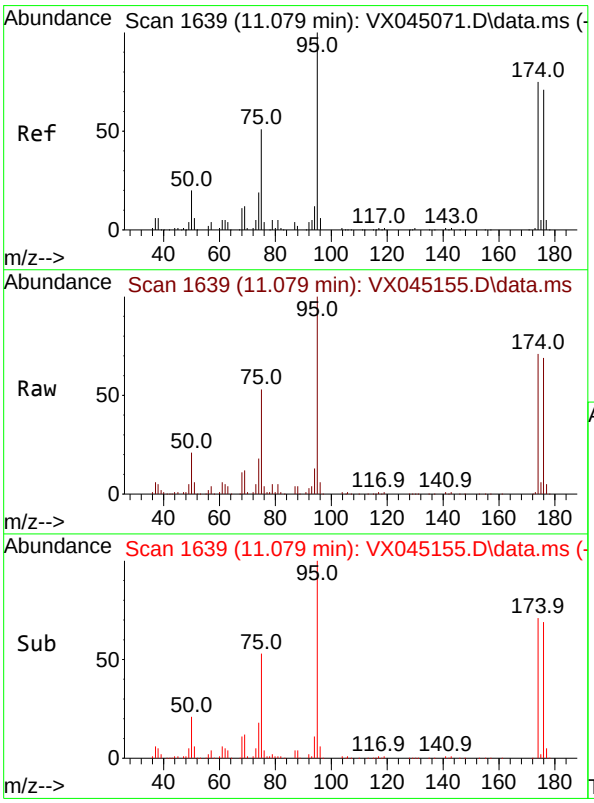
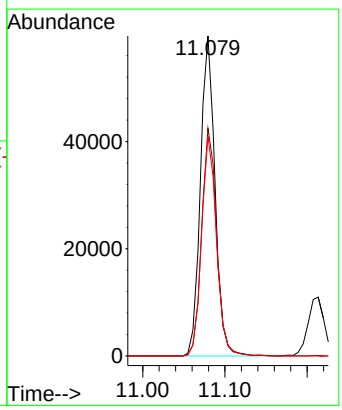
Supervised By :Mahesh Dadoda 03/10/2025

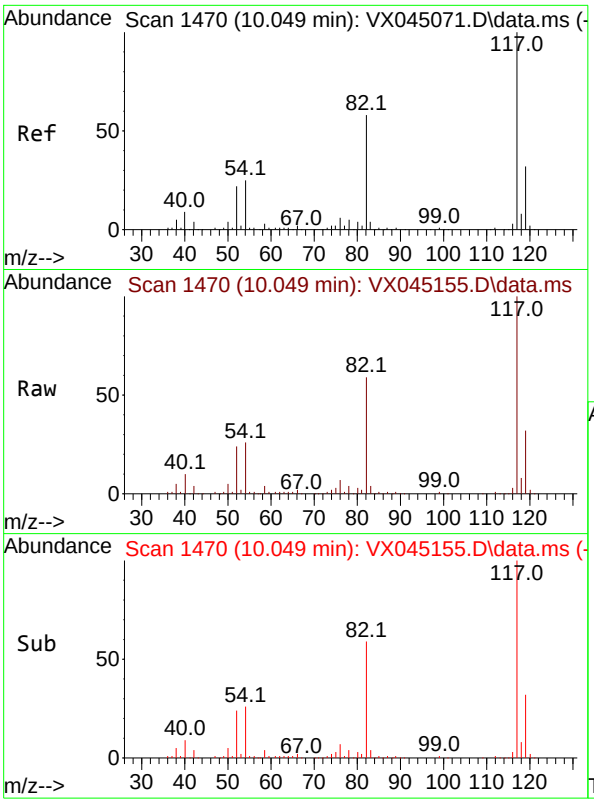


#62
4-Bromofluorobenzene
Concen: 52.170 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 95 Resp: 73689

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	148.2
176	70.0	0.0	141.4

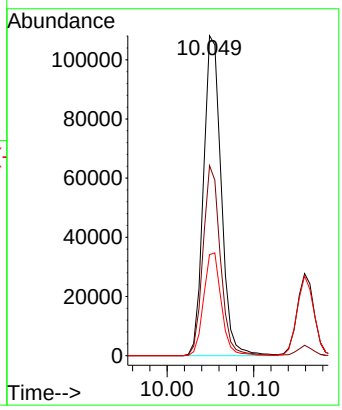




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:117 Resp: 15374

Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.3	69.5
119	31.6	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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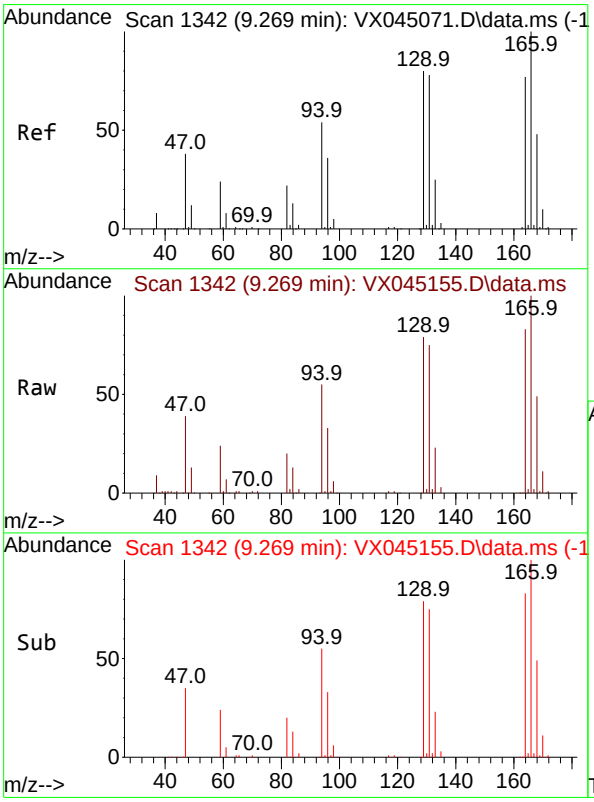
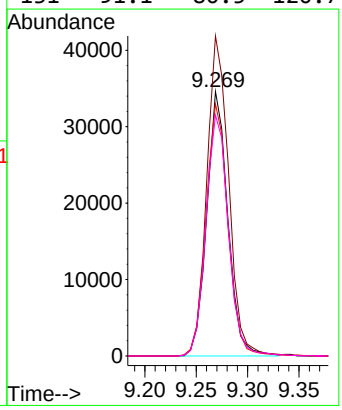
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

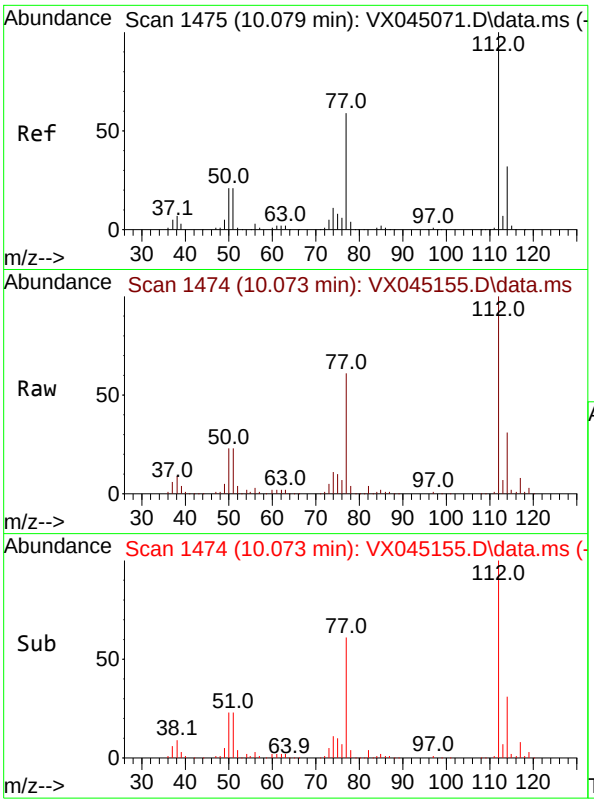


#64
Tetrachloroethene
Concen: 50.303 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:164 Resp: 49532

Ion	Ratio	Lower	Upper
164	100		
166	121.0	103.6	155.4
129	95.3	82.7	124.1
131	91.1	80.5	120.7





#65
Chlorobenzene
Concen: 50.951 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:112 Resp: 16575

Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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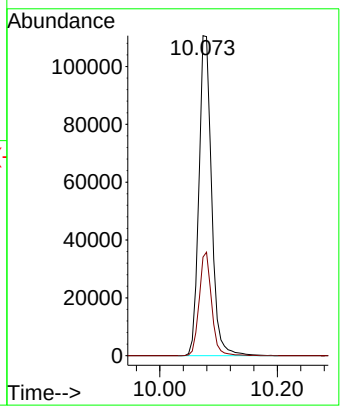
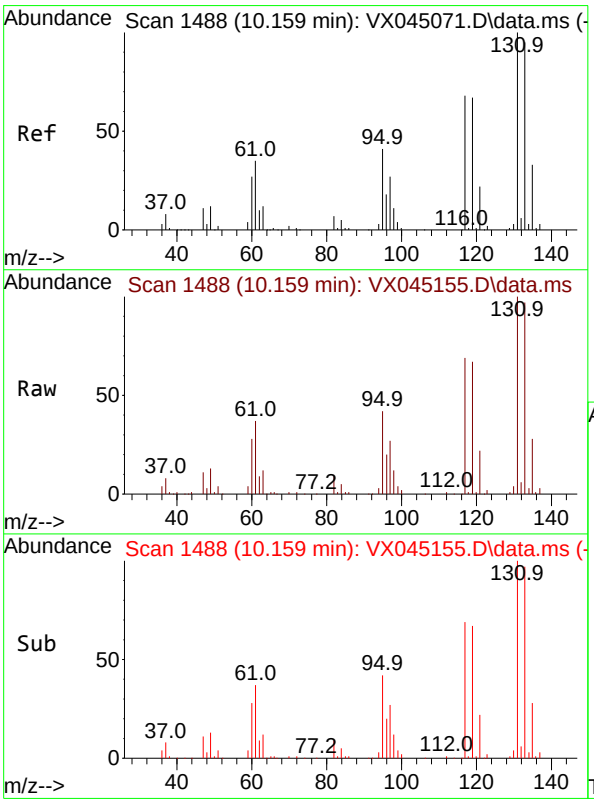
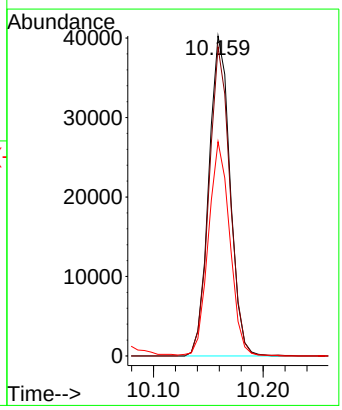


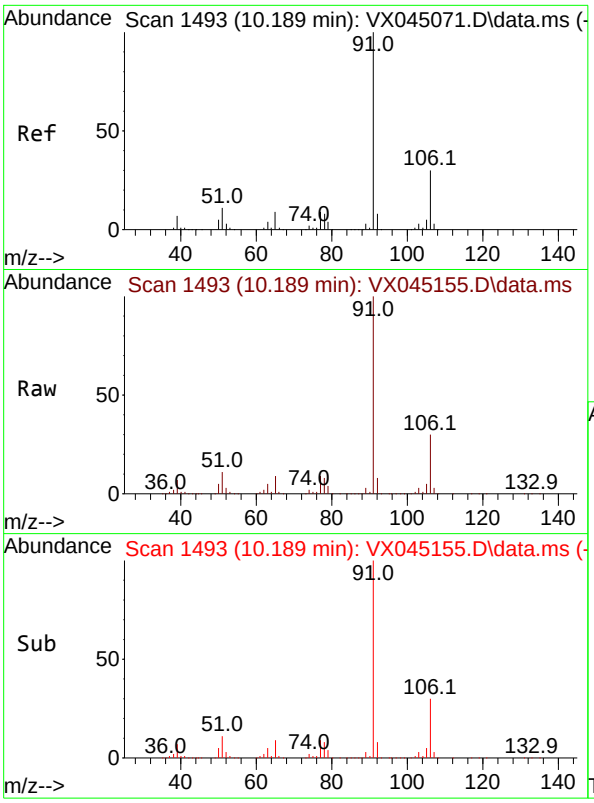


#66
1,1,1,2-Tetrachloroethane
Concen: 50.032 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:131 Resp: 54204

Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.6	145.9
119	67.4	33.9	101.7





#67
Ethyl Benzene
Concen: 52.376 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 91 Resp: 29689

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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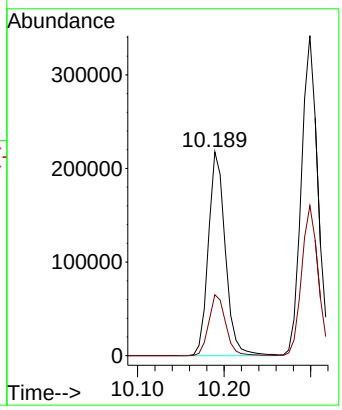
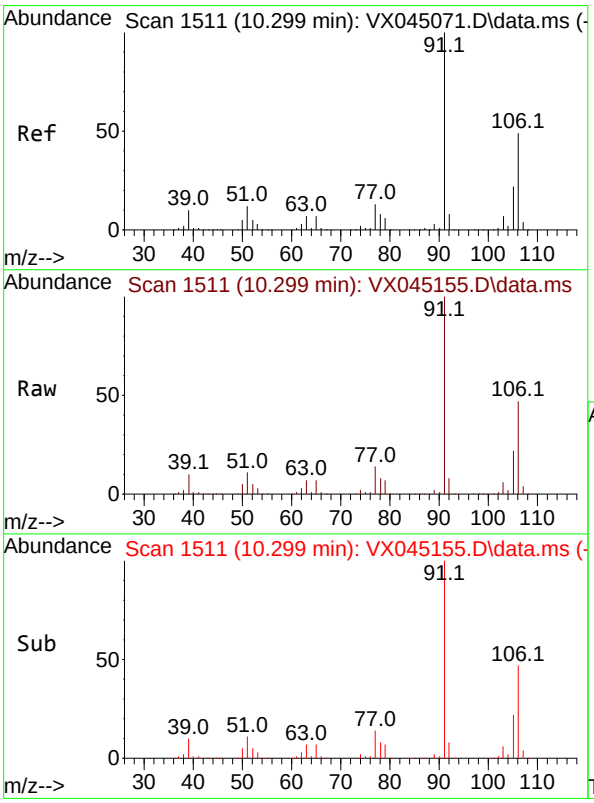
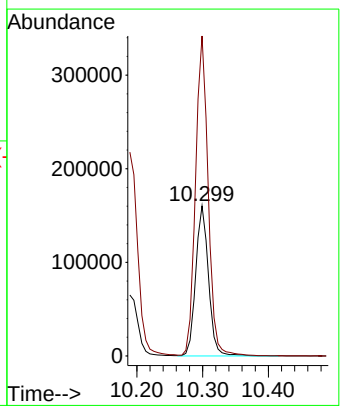


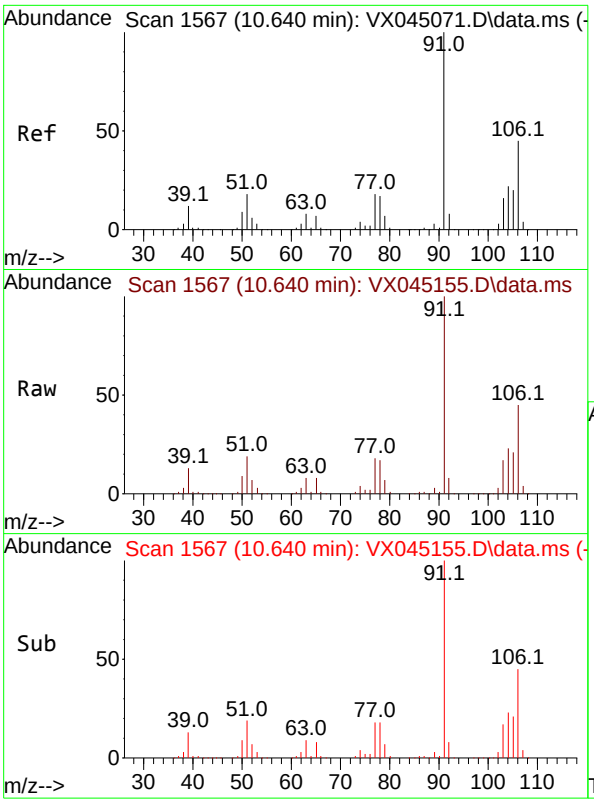


#68
m/p-Xylenes
Concen: 104.329 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:106 Resp: 216494

Ion	Ratio	Lower	Upper
106	100		
91	210.8	165.4	248.0





#69
o-Xylene
Concen: 51.019 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:106 Resp: 10677

Ion	Ratio	Lower	Upper
106	100		
91	219.8	109.9	329.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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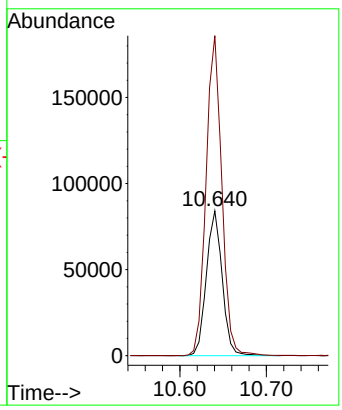
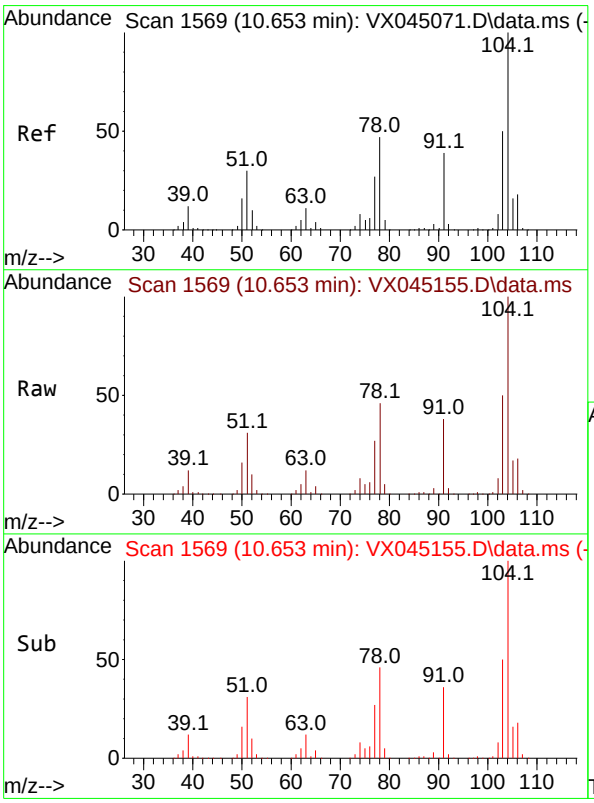
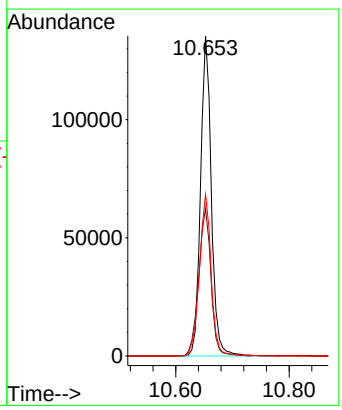


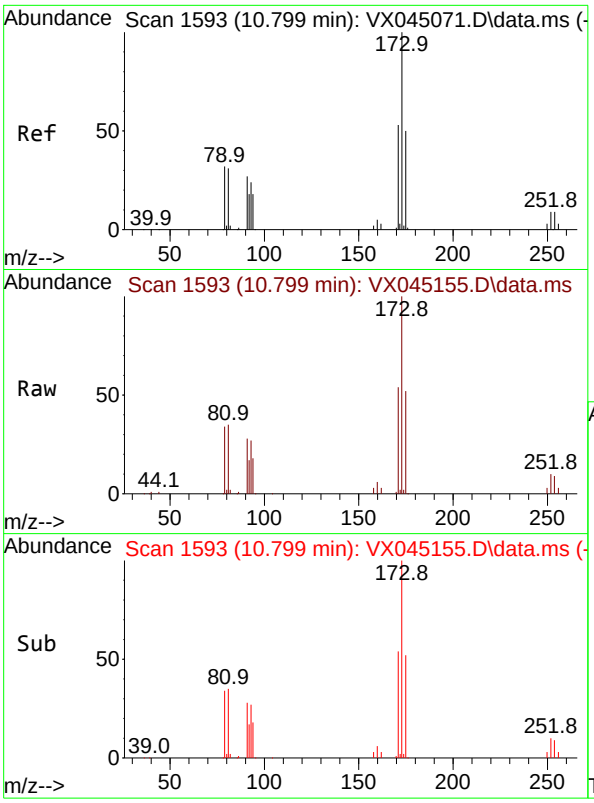


#70
Styrene
Concen: 52.810 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:104 Resp: 178838

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.2	63.4
103	55.2	43.8	65.8

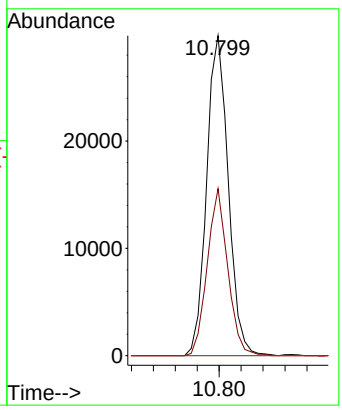




#71
Bromoform
Concen: 49.970 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:173 Resp: 4082

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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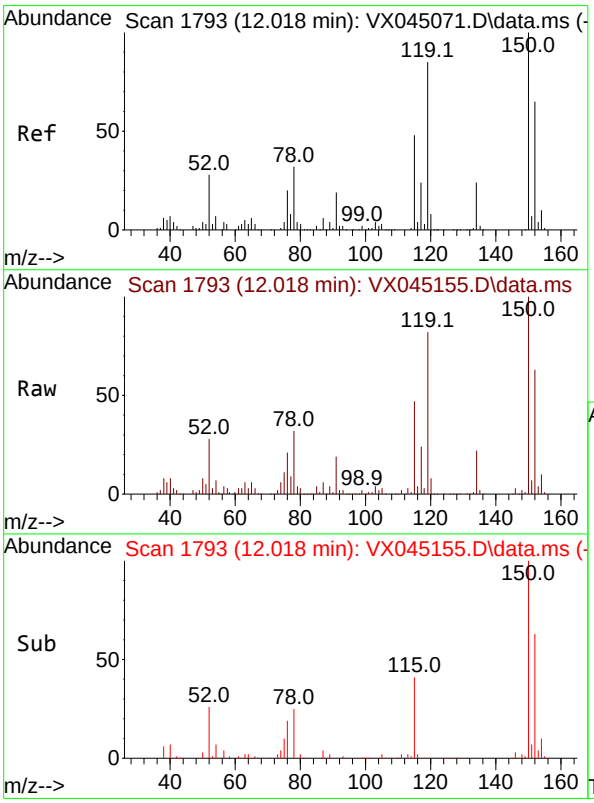
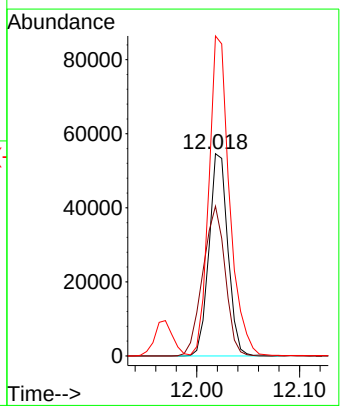
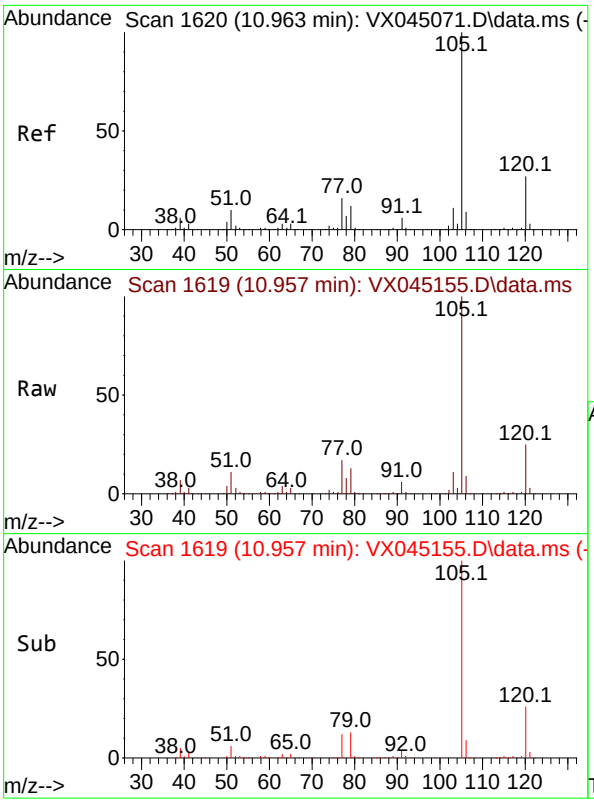


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:152 Resp: 69403

Ion	Ratio	Lower	Upper
152	100		
115	87.7	44.2	132.6
150	173.0	0.0	349.0

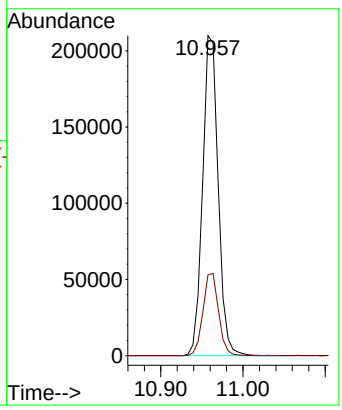




#73
Isopropylbenzene
Concen: 50.984 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:105 Resp: 27618

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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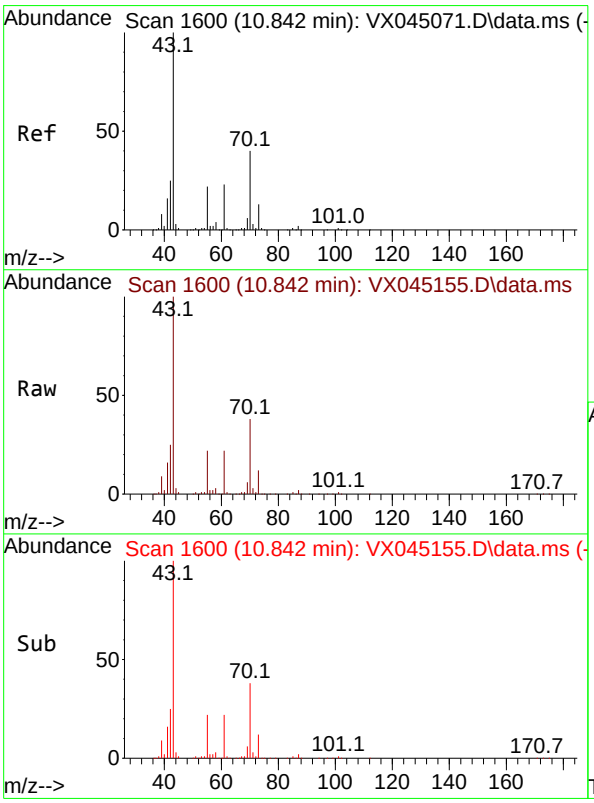
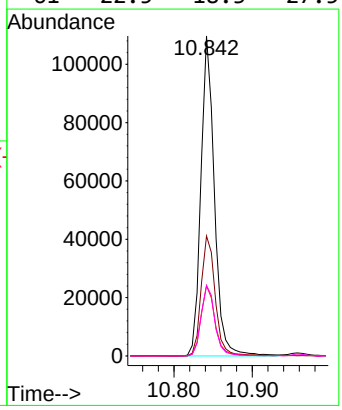
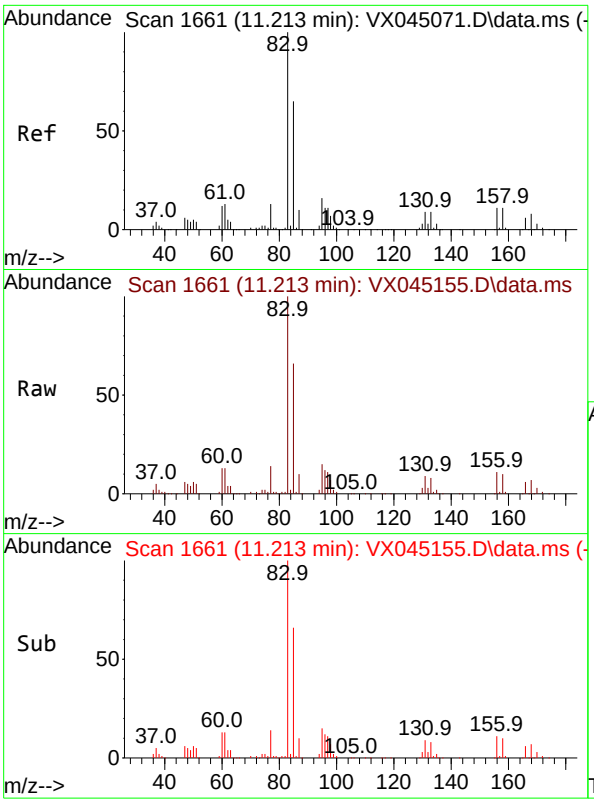


#74
N-amyl acetate
Concen: 51.811 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 43 Resp: 131698

Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.8	47.6
55	22.9	18.3	27.5
61	22.5	18.3	27.5

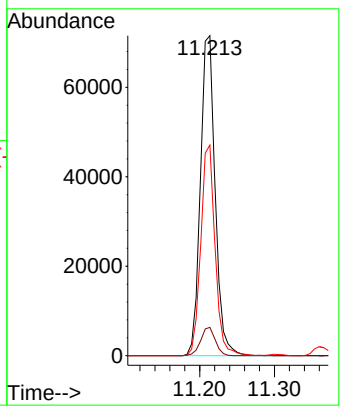




#75
1,1,2,2-Tetrachloroethane
Concen: 49.376 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 83 Resp: 9815

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.5	13.4
85	63.9	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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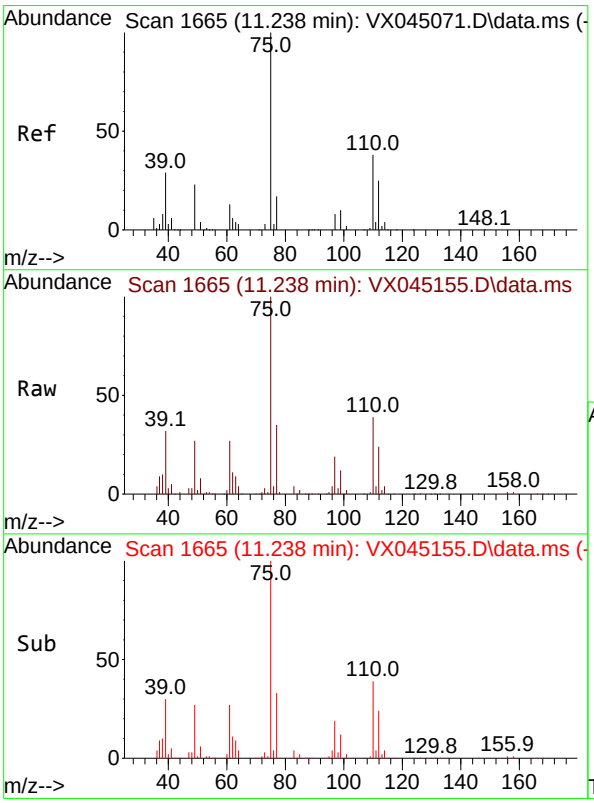
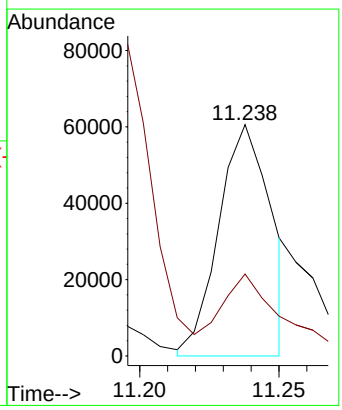
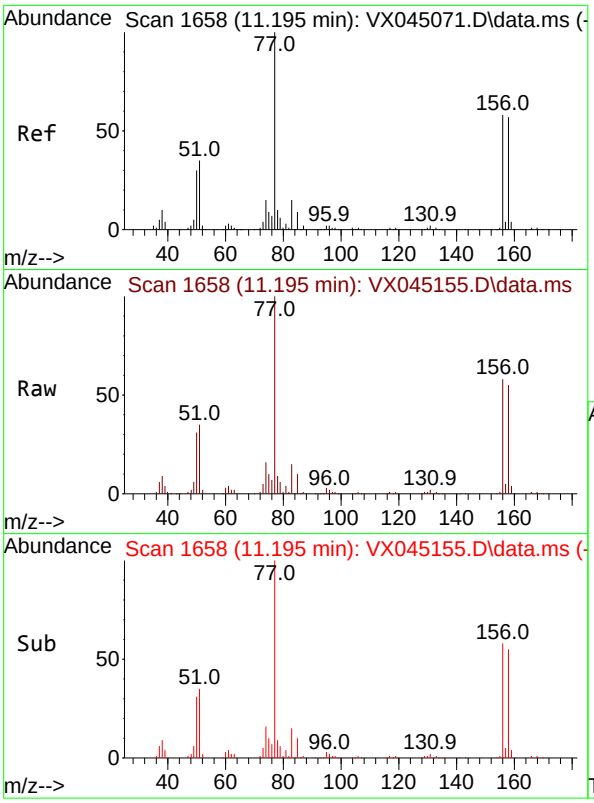


#76
1,2,3-Trichloropropane
Concen: 49.083 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 75 Resp: 79287

Ion	Ratio	Lower	Upper
75	100		
77	42.3	20.7	62.1

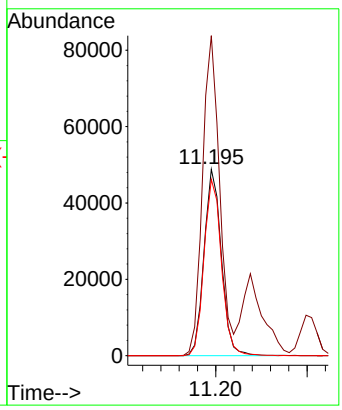




#77
Bromobenzene
Concen: 50.213 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:156 Resp: 6417

Ion	Ratio	Lower	Upper
156	100		
77	169.2	85.8	257.4
158	95.3	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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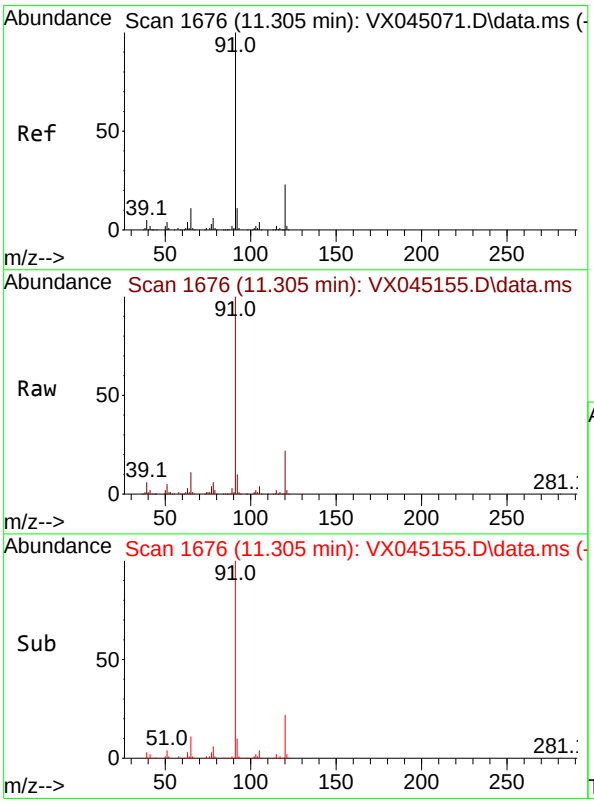
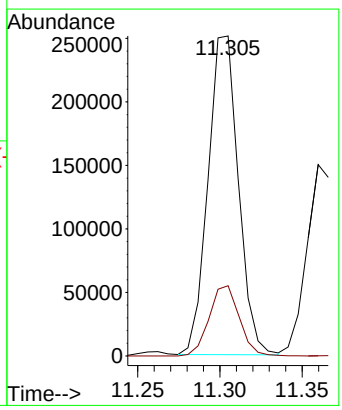
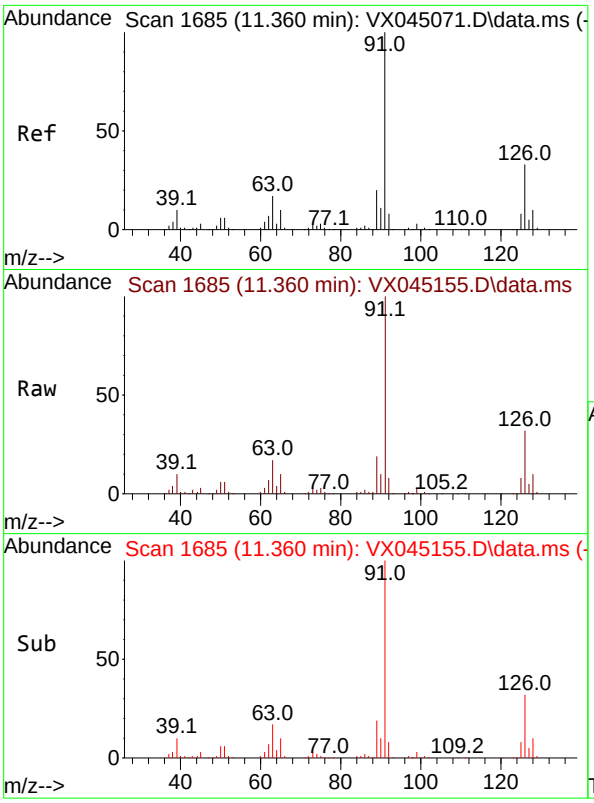


#78
n-propylbenzene
Concen: 52.781 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 91 Resp: 322984

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.6





#79
2-Chlorotoluene
Concen: 49.740 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 91 Resp: 19384

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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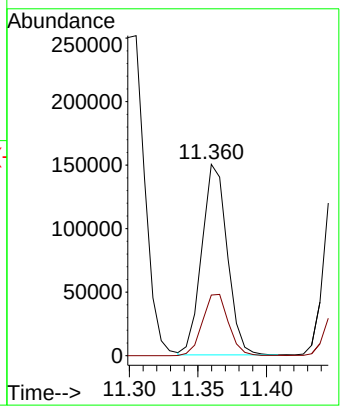
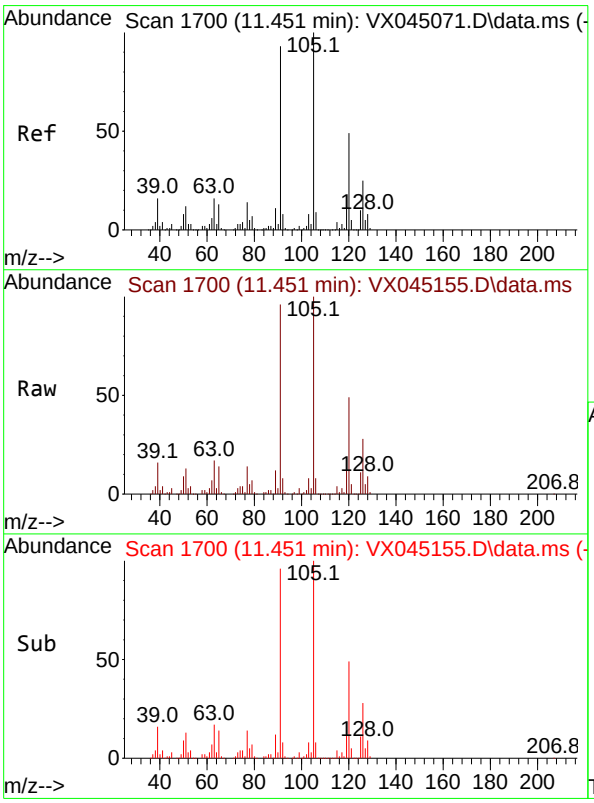
Supervised By :Mahesh Dadoda 03/10/2025

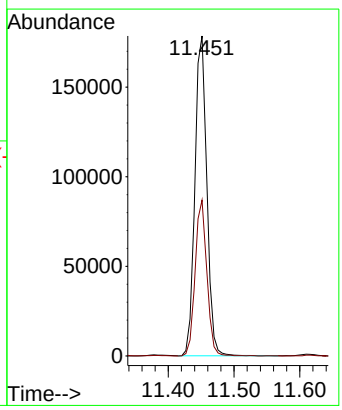


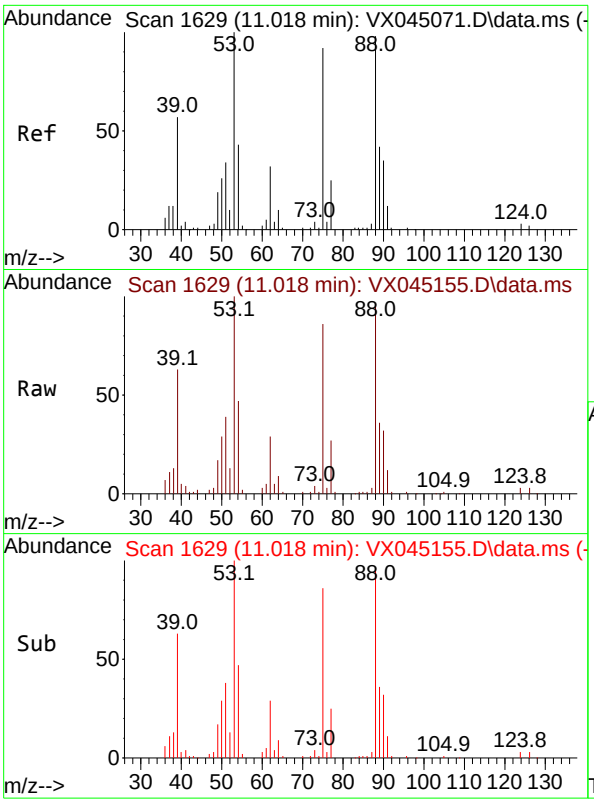


#80
1,3,5-Trimethylbenzene
Concen: 51.365 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:105 Resp: 224986

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 51.737 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

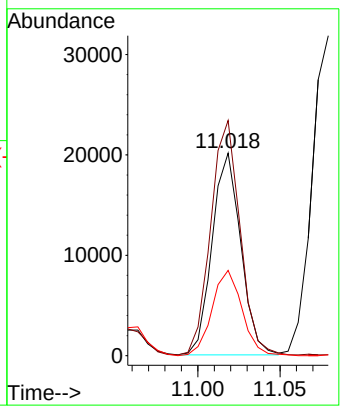
Tgt Ion: 75 Resp: 2442

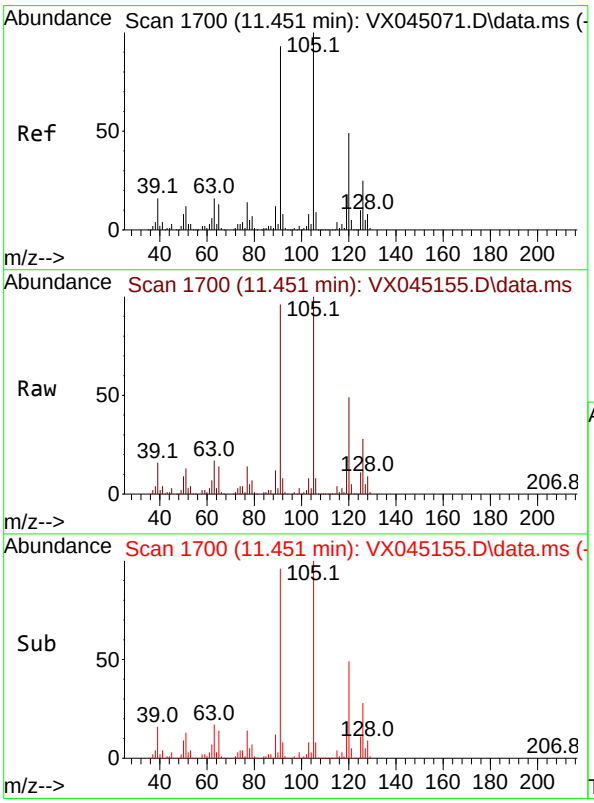
Ion	Ratio	Lower	Upper
75	100		
53	118.4	88.5	132.7
89	44.2	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

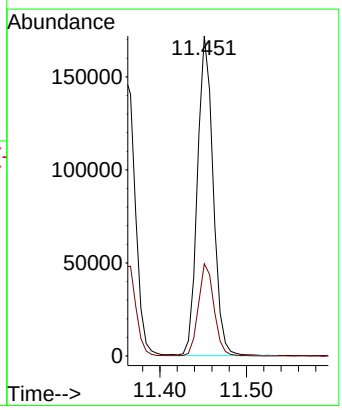


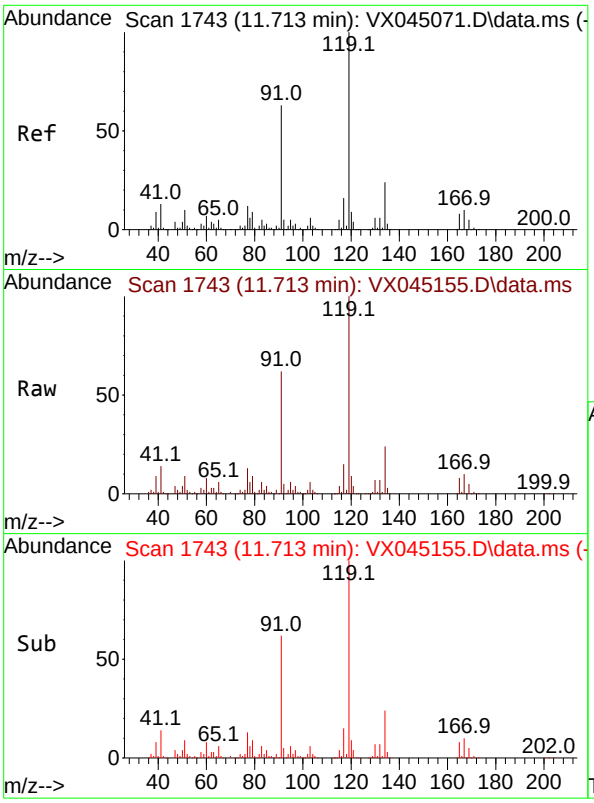


#82
4-Chlorotoluene
Concen: 50.836 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 91 Resp: 215920

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.1	42.4





#83
tert-Butylbenzene
Concen: 50.423 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

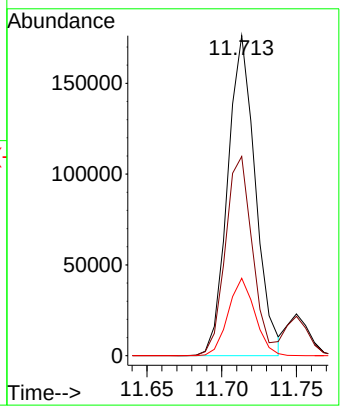
Tgt Ion:119 Resp: 22693

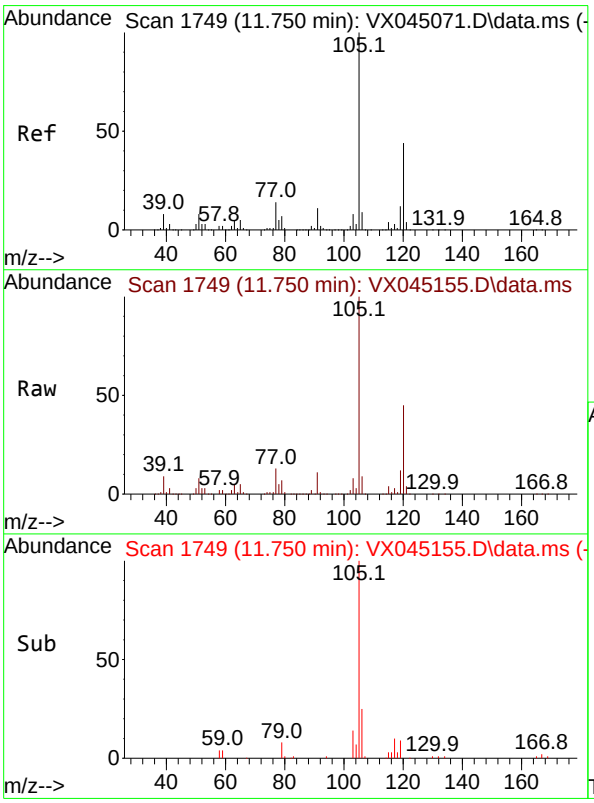
Ion	Ratio	Lower	Upper
119	100		
91	61.6	30.7	92.1
134	23.3	11.7	35.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

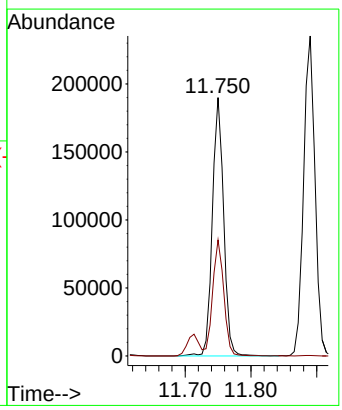


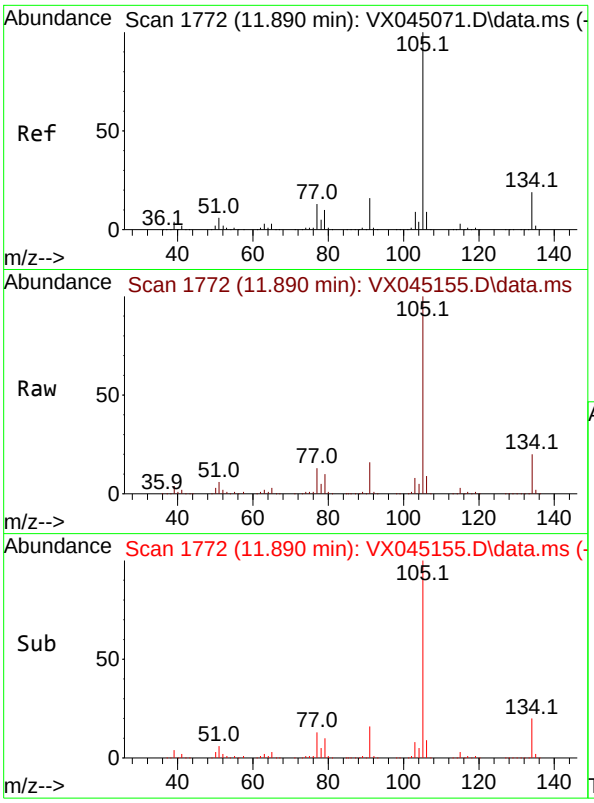


#84
1,2,4-Trimethylbenzene
Concen: 51.566 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:105 Resp: 227267

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1





#85
sec-Butylbenzene
Concen: 52.696 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

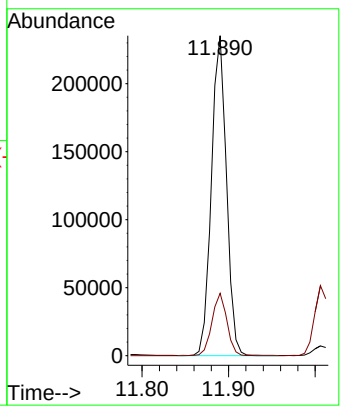
Tgt Ion:105 Resp: 28408

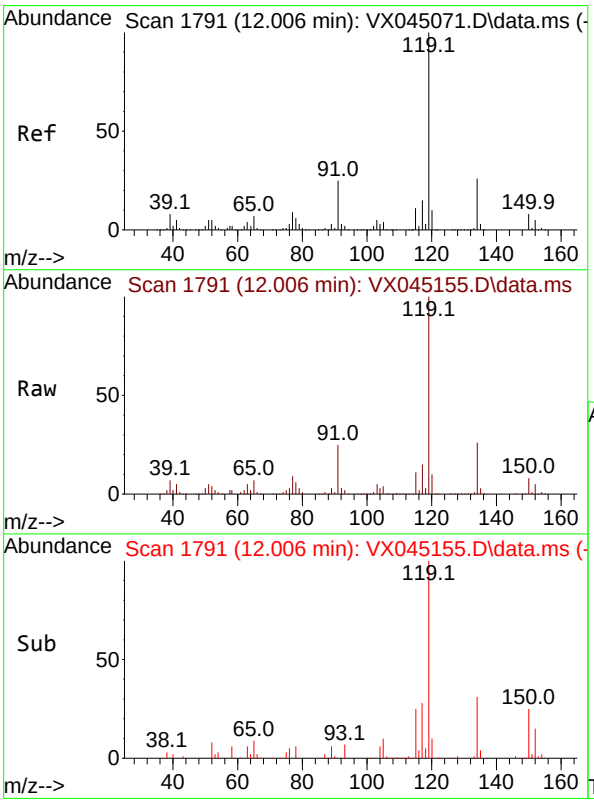
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

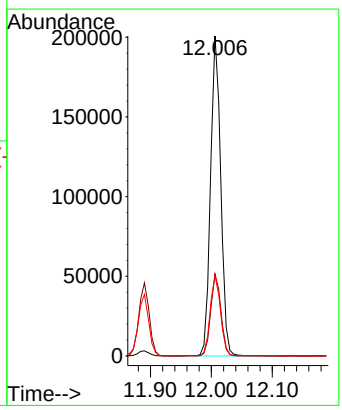


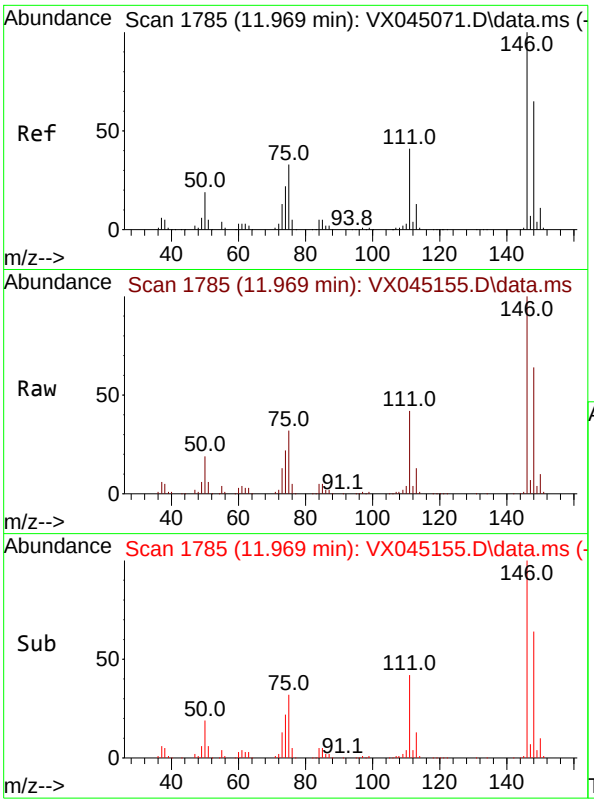


#86
p-Isopropyltoluene
Concen: 53.707 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:119 Resp: 233986

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	25.3	12.7	38.0

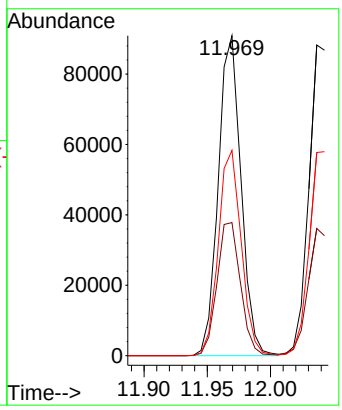




#87
1,3-Dichlorobenzene
Concen: 49.852 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:146 Resp: 11366

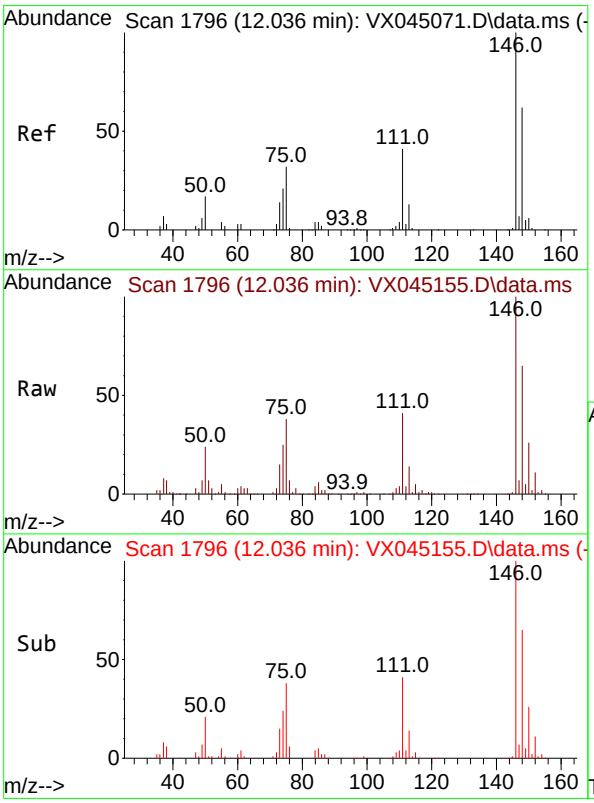
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.4
148	64.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

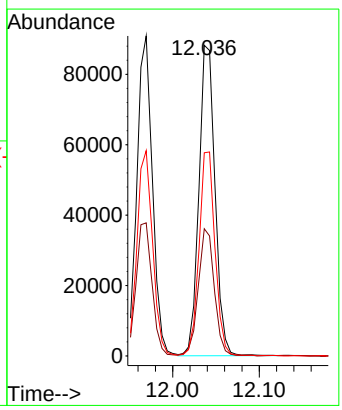
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

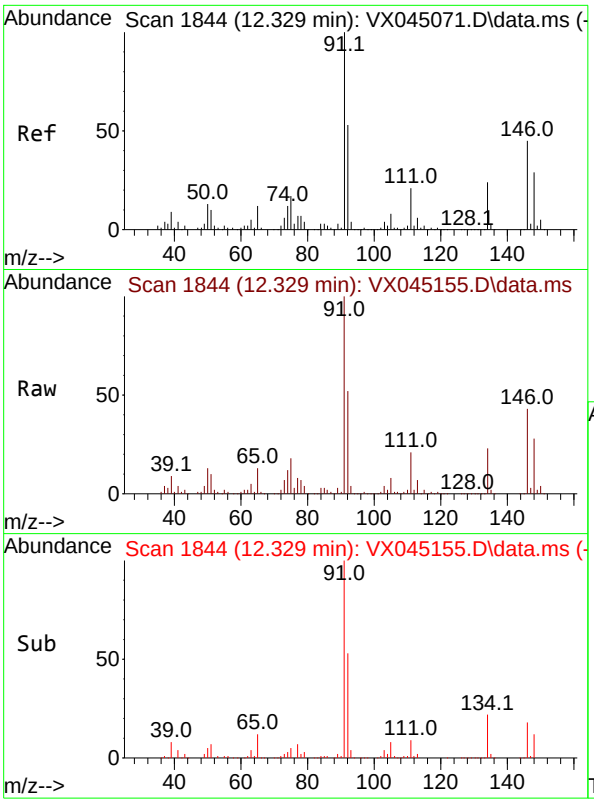


#88
1,4-Dichlorobenzene
Concen: 49.469 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:146 Resp: 114115

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.2	60.5
148	65.5	31.9	95.9





#89
n-Butylbenzene
Concen: 55.868 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 91 Resp: 20963

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.7	80.0
134	24.0	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/10/2025
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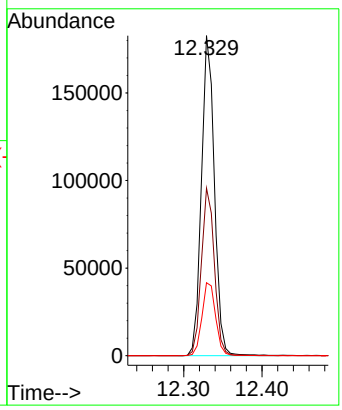
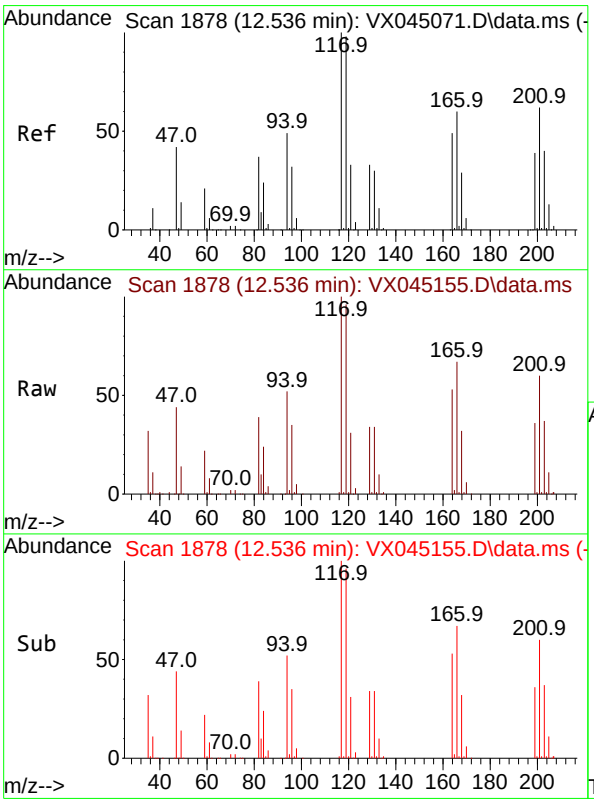
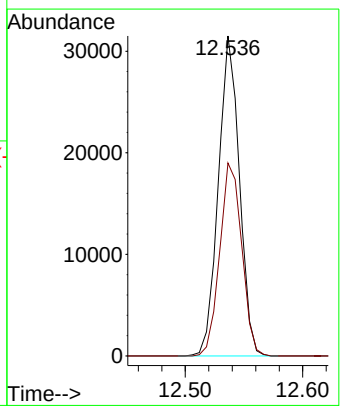


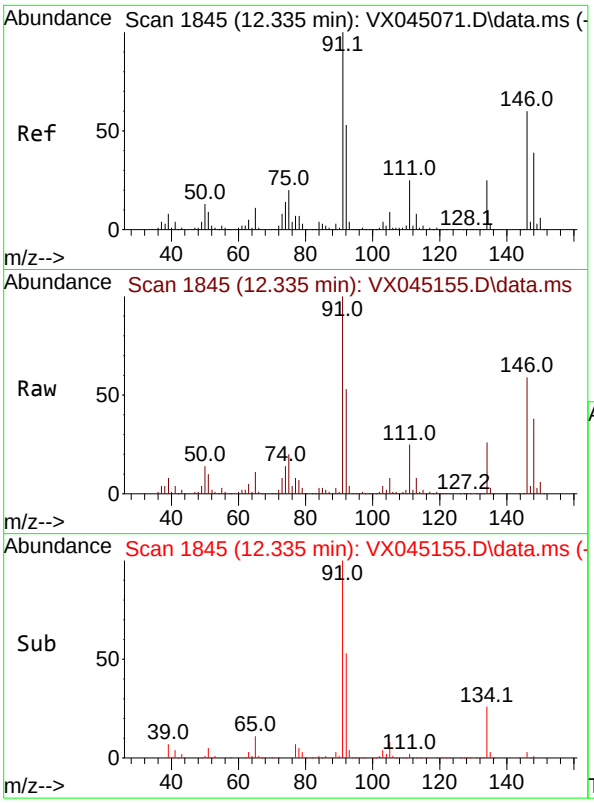


#90
Hexachloroethane
Concen: 49.718 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:117 Resp: 39179

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.9	95.9

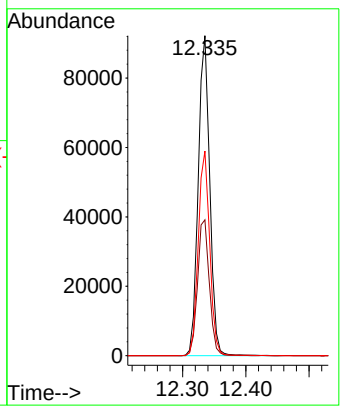




#91
1,2-Dichlorobenzene
Concen: 51.199 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:146 Resp: 11710

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	65.0
148	63.6	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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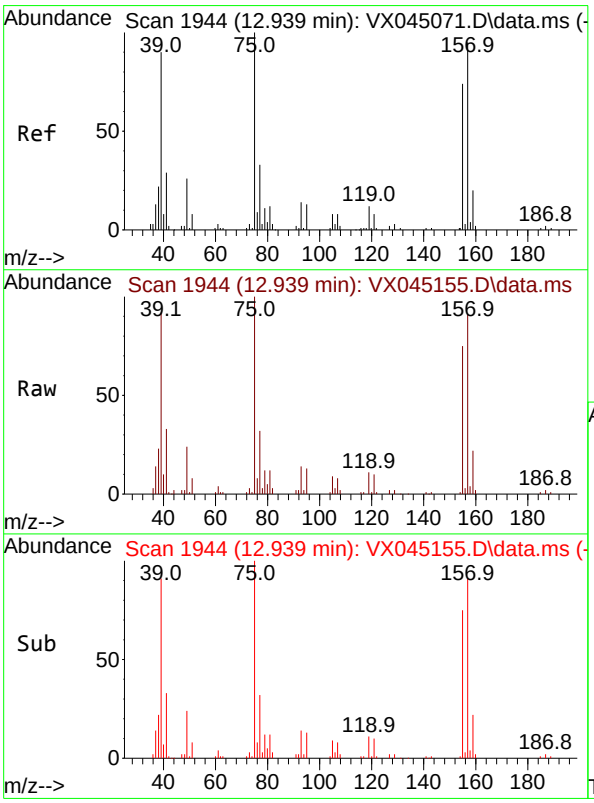
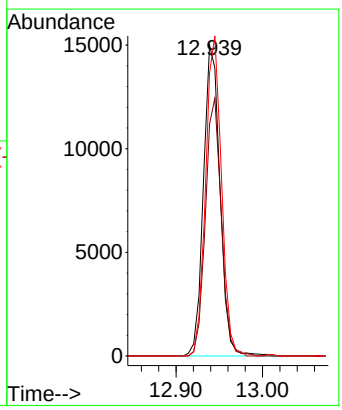
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

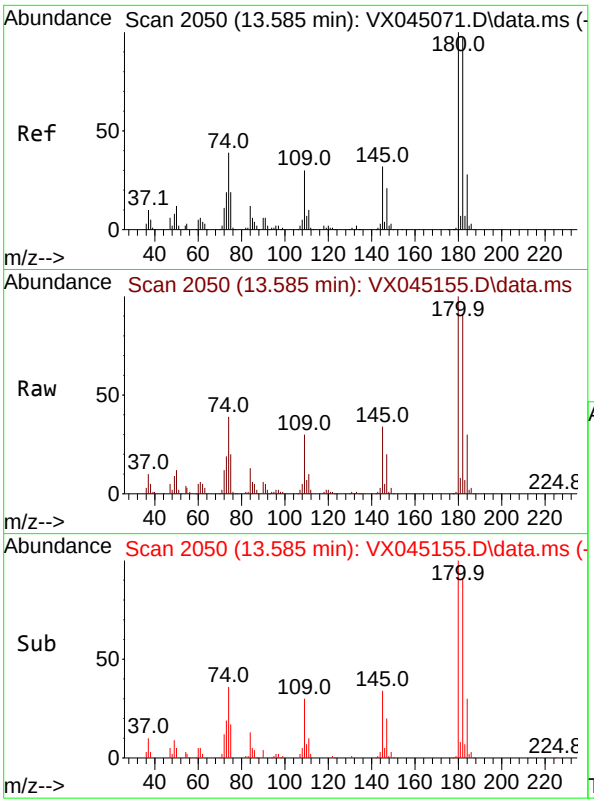


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.248 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion: 75 Resp: 19847

Ion	Ratio	Lower	Upper
75	100		
155	80.0	39.6	118.7
157	98.8	51.1	153.4





#93
1,2,4-Trichlorobenzene
Concen: 53.845 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:180 Resp: 7012

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.9
145	32.1	16.3	48.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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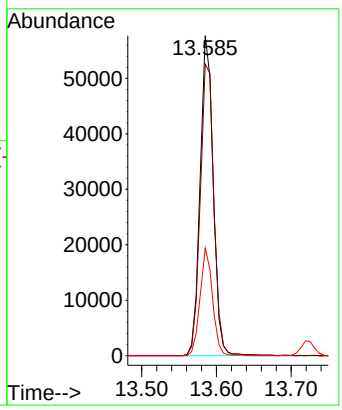
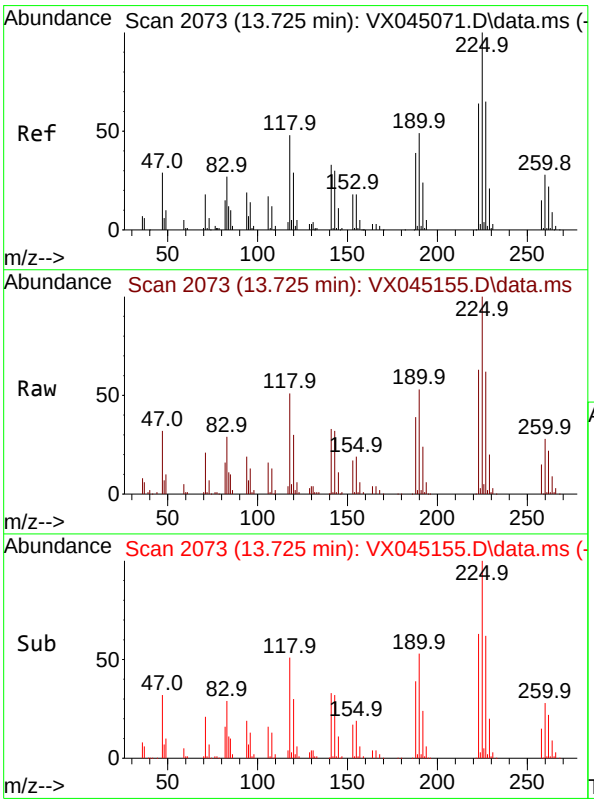
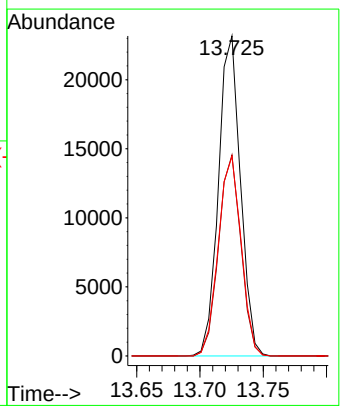


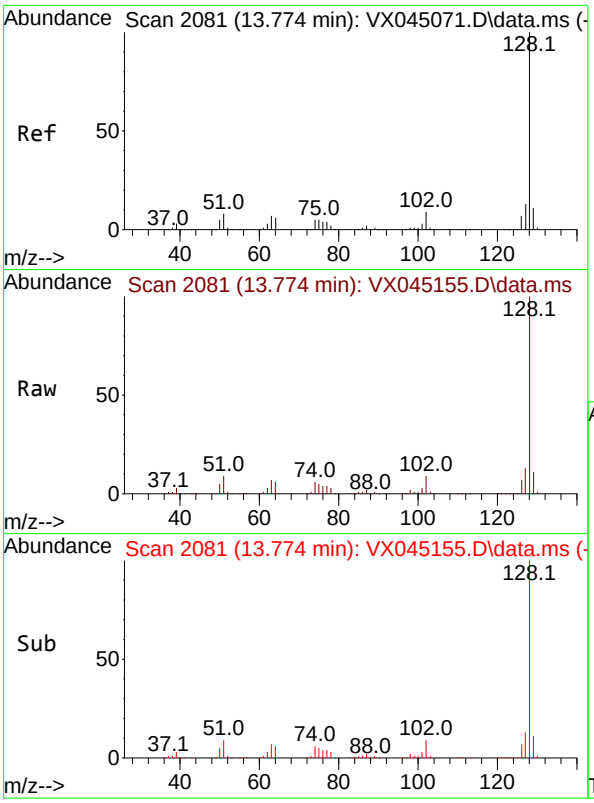


#94
Hexachlorobutadiene
Concen: 52.418 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:225 Resp: 27989

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.9	95.7
227	64.8	31.4	94.0

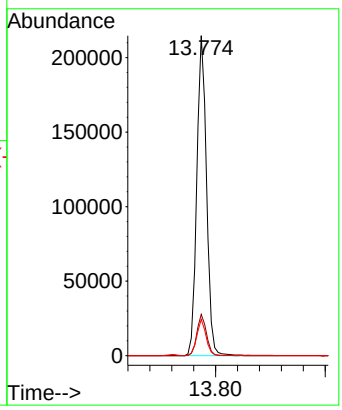




#95
Naphthalene
Concen: 53.234 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:128 Resp: 26637

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
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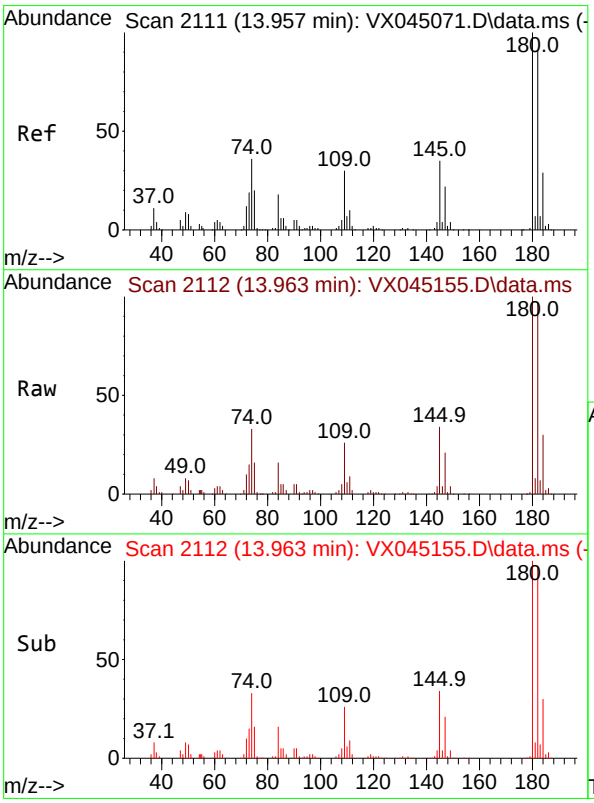
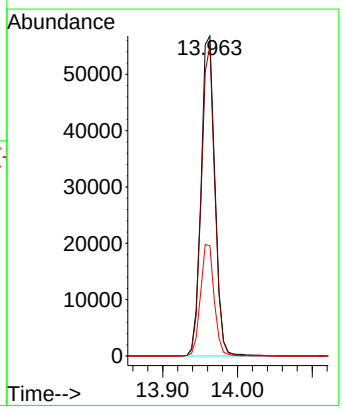


#96
1,2,3-Trichlorobenzene
Concen: 53.222 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045155.D
Acq: 06 Mar 2025 09:56

Tgt Ion:180 Resp: 73124

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.5	142.6
145	34.3	17.0	50.9



Sample Results: **VX045155.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045155.D
Acq On : 06 Mar 2025 09:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:36:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	96	0.00
2	T	Dichlorodifluoromethane	0.629	0.631	-0.3	97	0.00
3	P	Chloromethane	0.770	0.723	6.1	93	0.00
4	C	Vinyl Chloride	0.764	0.725	5.1#	92	0.00
5	T	Bromomethane	0.300	0.280	6.7	92	0.00
6	T	Chloroethane	0.352	0.298	15.3	77	0.00
7	T	Trichlorofluoromethane	1.011	0.973	3.8	89	0.00
8	T	Diethyl Ether	0.396	0.363	8.3	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.616	-6.0	100	0.00
10	T	Methyl Iodide	0.726	0.750	-3.3	94	0.00
11	T	Tert butyl alcohol	0.151	0.118	21.9	85	0.02
12	CM	1,1-Dichloroethene	0.614	0.600	2.3#	93	0.00
13	T	Acrolein	0.174	0.149	14.4	83	0.00
14	T	Allyl chloride	1.094	1.096	-0.2	95	0.00
15	T	Acrylonitrile	0.404	0.398	1.5	94	0.00
16	T	Acetone	0.369	0.345	6.5	95	0.00
17	T	Carbon Disulfide	1.636	1.462	10.6	85	0.00
18	T	Methyl Acetate	0.888	0.957	-7.8	106	0.00
19	T	Methyl tert-butyl Ether	2.061	2.015	2.2	93	0.00
20	T	Methylene Chloride	0.731	0.704	3.7	97	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.610	-0.5	93	0.00
22	T	Diisopropyl ether	2.224	2.259	-1.6	95	0.00
23	T	Vinyl Acetate	1.856	1.909	-2.9	93	0.00
24	P	1,1-Dichloroethane	1.247	1.215	2.6	94	0.00
25	T	2-Butanone	0.555	0.564	-1.6	94	0.00
26	T	2,2-Dichloropropane	0.585	0.797	-36.2#	129	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.750	-0.1	95	0.00
28	T	Bromochloromethane	0.594	0.551	7.2	88	0.00
29	T	Tetrahydrofuran	0.373	0.365	2.1	94	0.00
30	C	Chloroform	1.239	1.209	2.4#	94	0.00
31	T	Cyclohexane	1.082	1.086	-0.4	95	0.00
32	T	1,1,1-Trichloroethane	1.000	0.978	2.2	92	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.783	1.5	100	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35	S	Dibromofluoromethane	0.334	0.341	-2.1	98	0.00
36	T	1,1-Dichloropropene	0.459	0.458	0.2	92	0.00
37	T	Ethyl Acetate	0.591	0.593	-0.3	92	0.00
38	T	Carbon Tetrachloride	0.465	0.458	1.5	92	0.00
39	T	Methylcyclohexane	0.549	0.598	-8.9	96	0.00
40	TM	Benzene	1.448	1.464	-1.1	92	0.00
41	T	Methacrylonitrile	0.319	0.332	-4.1	92	0.00
42	TM	1,2-Dichloroethane	0.521	0.534	-2.5	96	0.00
43	T	Isopropyl Acetate	0.874	0.903	-3.3	92	0.00
44	TM	Trichloroethene	0.340	0.341	-0.3	95	0.00
45	C	1,2-Dichloropropane	0.372	0.377	-1.3#	96	0.00
46	T	Dibromomethane	0.263	0.272	-3.4	95	0.00
47	T	Bromodichloromethane	0.516	0.523	-1.4	94	0.00
48	T	Methyl methacrylate	0.438	0.456	-4.1	93	0.00

Sample Results: **VX045155.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045155.D
Acq On : 06 Mar 2025 09:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:36:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.009	0.009	0.0	93	0.00
50	S	Toluene-d8	1.212	1.244	-2.6	97	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.616	-4.9	95	0.00
52	CM	Toluene	0.849	0.893	-5.2#	94	0.00
53	T	t-1,3-Dichloropropene	0.431	0.467	-8.4	94	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.544	-8.2	96	0.00
55	T	1,1,2-Trichloroethane	0.350	0.355	-1.4	94	0.00
56	T	Ethyl methacrylate	0.532	0.557	-4.7	92	0.00
57	T	1,3-Dichloropropane	0.605	0.612	-1.2	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.284	-9.7	94	0.00
59	T	2-Hexanone	0.425	0.451	-6.1	95	0.00
60	T	Dibromochloromethane	0.366	0.378	-3.3	93	0.00
61	T	1,2-Dibromoethane	0.349	0.353	-1.1	94	0.00
62	S	4-Bromofluorobenzene	0.402	0.419	-4.2	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.320	0.322	-0.6	94	0.00
65	PM	Chlorobenzene	1.058	1.078	-1.9	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.353	-0.3	94	0.00
67	C	Ethyl Benzene	1.843	1.931	-4.8#	94	0.00
68	T	m/p-Xylenes	0.675	0.704	-4.3	92	0.00
69	T	o-Xylene	0.681	0.694	-1.9	93	0.00
70	T	Styrene	1.101	1.163	-5.6	93	0.00
71	P	Bromoform	0.266	0.266	0.0	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.903	3.979	-1.9	94	0.00
74	T	N-amyl acetate	1.831	1.898	-3.7	93	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.414	1.3	97	0.00
76	T	1,2,3-Trichloropropane	1.164	1.142	1.9	97	0.00
77	T	Bromobenzene	0.921	0.925	-0.4	96	0.00
78	T	n-propylbenzene	4.409	4.654	-5.6	94	0.00
79	T	2-Chlorotoluene	2.808	2.793	0.5	95	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.242	-2.7	93	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.352	-3.5	101	0.00
82	T	4-Chlorotoluene	3.060	3.111	-1.7	94	0.00
83	T	tert-Butylbenzene	3.242	3.270	-0.9	94	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.275	-3.1	94	0.00
85	T	sec-Butylbenzene	3.884	4.093	-5.4	95	0.00
86	T	p-Isopropyltoluene	3.139	3.371	-7.4	96	0.00
87	T	1,3-Dichlorobenzene	1.643	1.638	0.3	96	0.00
88	T	1,4-Dichlorobenzene	1.662	1.644	1.1	95	0.00
89	T	n-Butylbenzene	2.703	3.021	-11.8	98	0.00
90	T	Hexachloroethane	0.568	0.565	0.5	91	0.00
91	T	1,2-Dichlorobenzene	1.648	1.687	-2.4	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.286	-2.5	96	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.010	-7.7	98	0.00
94	T	Hexachlorobutadiene	0.385	0.403	-4.7	100	0.00
95	T	Naphthalene	3.605	3.838	-6.5	96	0.00

Sample Results: **VX045155.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045155.D
Acq On : 06 Mar 2025 09:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:36:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.990	1.054	-6.5	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX045155.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045155.D
Acq On : 06 Mar 2025 09:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:36:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	96	0.00
2	T	Dichlorodifluoromethane	50.000	50.150	-0.3	97	0.00
3	P	Chloromethane	50.000	46.958	6.1	93	0.00
4	C	Vinyl Chloride	50.000	47.434	5.1#	92	0.00
5	T	Bromomethane	50.000	46.654	6.7	92	0.00
6	T	Chloroethane	50.000	42.341	15.3	77	0.00
7	T	Trichlorofluoromethane	50.000	48.081	3.8	89	0.00
8	T	Diethyl Ether	50.000	45.821	8.4	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.999	-6.0	100	0.00
10	T	Methyl Iodide	50.000	51.610	-3.2	94	0.00
11	T	Tert butyl alcohol	250.000	195.202	21.9	85	0.02
12	CM	1,1-Dichloroethene	50.000	48.789	2.4#	93	0.00
13	T	Acrolein	250.000	213.430	14.6	83	0.00
14	T	Allyl chloride	50.000	50.112	-0.2	95	0.00
15	T	Acrylonitrile	250.000	246.689	1.3	94	0.00
16	T	Acetone	250.000	233.847	6.5	95	0.00
17	T	Carbon Disulfide	50.000	44.684	10.6	85	0.00
18	T	Methyl Acetate	50.000	53.893	-7.8	106	0.00
19	T	Methyl tert-butyl Ether	50.000	48.872	2.3	93	0.00
20	T	Methylene Chloride	50.000	48.172	3.7	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.255	-0.5	93	0.00
22	T	Diisopropyl ether	50.000	50.793	-1.6	95	0.00
23	T	Vinyl Acetate	250.000	257.151	-2.9	93	0.00
24	P	1,1-Dichloroethane	50.000	48.731	2.5	94	0.00
25	T	2-Butanone	250.000	253.939	-1.6	94	0.00
26	T	2,2-Dichloropropane	50.000	68.182	-36.4#	129	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.079	-0.2	95	0.00
28	T	Bromochloromethane	50.000	46.329	7.3	88	0.00
29	T	Tetrahydrofuran	250.000	244.426	2.2	94	0.00
30	C	Chloroform	50.000	48.804	2.4#	94	0.00
31	T	Cyclohexane	50.000	50.191	-0.4	95	0.00
32	T	1,1,1-Trichloroethane	50.000	48.875	2.3	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.233	1.5	100	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35	S	Dibromofluoromethane	50.000	50.978	-2.0	98	0.00
36	T	1,1-Dichloropropene	50.000	49.941	0.1	92	0.00
37	T	Ethyl Acetate	50.000	50.173	-0.3	92	0.00
38	T	Carbon Tetrachloride	50.000	49.163	1.7	92	0.00
39	T	Methylcyclohexane	50.000	54.417	-8.8	96	0.00
40	TM	Benzene	50.000	50.564	-1.1	92	0.00
41	T	Methacrylonitrile	50.000	51.935	-3.9	92	0.00
42	TM	1,2-Dichloroethane	50.000	51.224	-2.4	96	0.00
43	T	Isopropyl Acetate	50.000	51.671	-3.3	92	0.00
44	TM	Trichloroethene	50.000	50.205	-0.4	95	0.00
45	C	1,2-Dichloropropane	50.000	50.625	-1.3#	96	0.00
46	T	Dibromomethane	50.000	51.739	-3.5	95	0.00
47	T	Bromodichloromethane	50.000	50.685	-1.4	94	0.00
48	T	Methyl methacrylate	50.000	51.991	-4.0	93	0.00

Sample Results: **VX045155.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045155.D
Acq On : 06 Mar 2025 09:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:36:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	1004.564	-0.5	93	0.00
50	S	Toluene-d8	50.000	51.298	-2.6	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	262.414	-5.0	95	0.00
52	CM	Toluene	50.000	52.538	-5.1#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	54.074	-8.1	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.055	-8.1	96	0.00
55	T	1,1,2-Trichloroethane	50.000	50.685	-1.4	94	0.00
56	T	Ethyl methacrylate	50.000	52.367	-4.7	92	0.00
57	T	1,3-Dichloropropane	50.000	50.592	-1.2	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	274.113	-9.6	94	0.00
59	T	2-Hexanone	250.000	264.998	-6.0	95	0.00
60	T	Dibromochloromethane	50.000	51.634	-3.3	93	0.00
61	T	1,2-Dibromoethane	50.000	50.561	-1.1	94	0.00
62	S	4-Bromofluorobenzene	50.000	52.170	-4.3	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	50.303	-0.6	94	0.00
65	PM	Chlorobenzene	50.000	50.951	-1.9	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.032	-0.1	94	0.00
67	C	Ethyl Benzene	50.000	52.376	-4.8#	94	0.00
68	T	m/p-Xylenes	100.000	104.329	-4.3	92	0.00
69	T	o-Xylene	50.000	51.019	-2.0	93	0.00
70	T	Styrene	50.000	52.810	-5.6	93	0.00
71	P	Bromoform	50.000	49.970	0.1	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	50.984	-2.0	94	0.00
74	T	N-amyl acetate	50.000	51.811	-3.6	93	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.376	1.2	97	0.00
76	T	1,2,3-Trichloropropane	50.000	49.083	1.8	97	0.00
77	T	Bromobenzene	50.000	50.213	-0.4	96	0.00
78	T	n-propylbenzene	50.000	52.781	-5.6	94	0.00
79	T	2-Chlorotoluene	50.000	49.740	0.5	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.365	-2.7	93	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.737	-3.5	101	0.00
82	T	4-Chlorotoluene	50.000	50.836	-1.7	94	0.00
83	T	tert-Butylbenzene	50.000	50.423	-0.8	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.566	-3.1	94	0.00
85	T	sec-Butylbenzene	50.000	52.696	-5.4	95	0.00
86	T	p-Isopropyltoluene	50.000	53.707	-7.4	96	0.00
87	T	1,3-Dichlorobenzene	50.000	49.852	0.3	96	0.00
88	T	1,4-Dichlorobenzene	50.000	49.469	1.1	95	0.00
89	T	n-Butylbenzene	50.000	55.868	-11.7	98	0.00
90	T	Hexachloroethane	50.000	49.718	0.6	91	0.00
91	T	1,2-Dichlorobenzene	50.000	51.199	-2.4	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.248	-2.5	96	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.845	-7.7	98	0.00
94	T	Hexachlorobutadiene	50.000	52.418	-4.8	100	0.00
95	T	Naphthalene	50.000	53.234	-6.5	96	0.00

Sample Results: **VX045155.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045155.D
Acq On : 06 Mar 2025 09:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:36:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.222	-6.4	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY021426.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_Y Calibration Date/Time: 03/06/2025 10:10

Lab File ID: VY021426.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.459	0.403		-12.2	20
Chloromethane	0.647	0.644	0.1	-0.46	20
Vinyl Chloride	0.707	0.731		3.39	20
Bromomethane	0.511	0.498		-2.54	20
Chloroethane	0.467	0.503		7.71	20
Trichlorofluoromethane	0.987	0.975		-1.22	20
1,1,2-Trichlorotrifluoroethane	0.563	0.524		-6.93	20
1,1-Dichloroethene	0.514	0.484		-5.84	20
Acetone	0.115	0.095		-17.39	20
Carbon Disulfide	1.610	1.552		-3.6	20
Methyl tert-butyl Ether	1.302	1.385		6.38	20
Methyl Acetate	0.256	0.295		15.23	20
Methylene Chloride	0.605	0.568		-6.12	20
trans-1,2-Dichloroethene	0.575	0.563		-2.09	20
1,1-Dichloroethane	1.056	1.061	0.1	0.47	20
Cyclohexane	0.990	0.888		-10.3	20
2-Butanone	0.159	0.160		0.63	20
Carbon Tetrachloride	0.592	0.577		-2.53	20
cis-1,2-Dichloroethene	0.653	0.658		0.77	20
Bromochloromethane	0.443	0.470		6.09	20
Chloroform	1.096	1.107		1	20
1,1,1-Trichloroethane	1.004	0.973		-3.09	20
Methylcyclohexane	0.631	0.612		-3.01	20
Benzene	1.515	1.544		1.91	20
1,2-Dichloroethane	0.424	0.447		5.43	20
Trichloroethene	0.383	0.378		-1.3	20
1,2-Dichloropropane	0.361	0.373		3.32	20
Bromodichloromethane	0.533	0.559		4.88	20
4-Methyl-2-Pentanone	0.228	0.266		16.67	20
Toluene	0.955	0.975		2.09	20
t-1,3-Dichloropropene	0.470	0.512		8.94	20
cis-1,3-Dichloropropene	0.557	0.587		5.39	20
1,1,2-Trichloroethane	0.263	0.285		8.36	20
2-Hexanone	0.151	0.180		19.2	20
Dibromochloromethane	0.360	0.391		8.61	20
1,2-Dibromoethane	0.248	0.270		8.87	20
Tetrachloroethene	0.407	0.384		-5.65	20
Chlorobenzene	1.181	1.160	0.3	-1.78	20

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

Raw Data: **VY021426.D**

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: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_Y Calibration Date/Time: 03/06/2025 10:10

Lab File ID: VY021426.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.072	2.064		-0.39	20
m/p-Xylenes	0.787	0.784		-0.38	20
o-Xylene	0.725	0.733		1.1	20
Styrene	1.203	1.259		4.66	20
Bromoform	0.233	0.247	0.1	6.01	20
Isopropylbenzene	3.939	3.682		-6.52	20
1,1,2,2-Tetrachloroethane	0.695	0.694	0.3	-0.14	20
1,3-Dichlorobenzene	1.834	1.710		-6.76	20
1,4-Dichlorobenzene	1.794	1.700		-5.24	20
1,2-Dichlorobenzene	1.572	1.520		-3.31	20
1,2-Dibromo-3-Chloropropane	0.104	0.106		1.92	20
1,2,4-Trichlorobenzene	0.859	0.856		-0.35	20
1,2,3-Trichlorobenzene	0.722	0.742		2.77	20
1,2-Dichloroethane-d4	0.528	0.564		6.82	20
Dibromofluoromethane	0.329	0.349		6.08	20
Toluene-d8	1.244	1.310		5.3	20
4-Bromofluorobenzene	0.423	0.469		10.88	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	228274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	348529	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	321426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	168733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	128835	53.398	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.800%			
35) Dibromofluoromethane	7.634	113	121683	53.115	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.240%			
50) Toluene-d8	10.103	98	456517	52.629	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.260%			
62) 4-Bromofluorobenzene	12.408	95	163454	55.397	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	91968	43.903	ug/l	96
3) Chloromethane	2.068	50	147009	49.777	ug/l	100
4) Vinyl Chloride	2.202	62	166975	51.736	ug/l	100
5) Bromomethane	2.592	94	113687	48.738	ug/l	100
6) Chloroethane	2.733	64	114896	53.870	ug/l	98
7) Trichlorofluoromethane	3.056	101	222462	49.383	ug/l	99
8) Diethyl Ether	3.452	74	64391	51.579	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	119686	46.535	ug/l	98
10) Methyl Iodide	4.007	142	134207	51.334	ug/l	100
11) Tert butyl alcohol	4.866	59	42449	272.642	ug/l	100
12) 1,1-Dichloroethene	3.787	96	110585	47.161	ug/l	99
13) Acrolein	3.653	56	6322	51.516	ug/l	86
14) Allyl chloride	4.379	41	186983	49.343	ug/l	100
15) Acrylonitrile	5.055	53	145349	273.503	ug/l	98
16) Acetone	3.873	43	108373	205.940	ug/l	95
17) Carbon Disulfide	4.104	76	354351	48.220	ug/l	98
18) Methyl Acetate	4.385	43	67392	57.717	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	316217	53.206	ug/l	98
20) Methylene Chloride	4.616	84	129572	46.907	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	128481	48.926	ug/l	97
22) Diisopropyl ether	6.019	45	430531	52.719	ug/l	96
23) Vinyl Acetate	5.958	43	1272788	273.089	ug/l	100
24) 1,1-Dichloroethane	5.915	63	242268	50.264	ug/l	100
25) 2-Butanone	6.890	43	182935	251.304	ug/l	100
26) 2,2-Dichloropropane	6.884	77	202350	45.627	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	150170	50.337	ug/l	98
28) Bromochloromethane	7.244	49	107278	53.090	ug/l	97
29) Tetrahydrofuran	7.256	42	127276	283.216	ug/l	100
30) Chloroform	7.415	83	252791	50.508	ug/l	98
31) Cyclohexane	7.701	56	202739	44.867	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	222183	48.483	ug/l	99
36) 1,1-Dichloropropene	7.835	75	175296	48.883	ug/l	99
37) Ethyl Acetate	6.982	43	90495	57.095	ug/l	97
38) Carbon Tetrachloride	7.817	117	200999	48.736	ug/l	99
39) Methylcyclohexane	9.109	83	213278	48.487	ug/l	98
40) Benzene	8.079	78	538095	50.938	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	46184	53.514	ug/l	#	92
42) 1,2-Dichloroethane	8.152	62	155915	52.759	ug/l		99
43) Isopropyl Acetate	8.195	43	171475	55.731	ug/l	#	87
44) Trichloroethene	8.866	130	131758	49.358	ug/l		100
45) 1,2-Dichloropropane	9.140	63	130077	51.738	ug/l		96
46) Dibromomethane	9.231	93	76964	55.018	ug/l		98
47) Bromodichloromethane	9.420	83	194661	52.398	ug/l		99
48) Methyl methacrylate	9.219	41	78849	55.808	ug/l		96
49) 1,4-Dioxane	9.231	88	17549	1278.089	ug/l		99
51) 4-Methyl-2-Pentanone	10.000	43	464408	292.531	ug/l		99
52) Toluene	10.170	92	339723	51.010	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	178453	54.523	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	204560	52.641	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	99287	54.258	ug/l		98
56) Ethyl methacrylate	10.438	69	135282	57.967	ug/l		98
57) 1,3-Dichloropropane	10.713	76	172201	54.296	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	326106	302.700	ug/l		99
59) 2-Hexanone	10.762	43	313862	298.994	ug/l		99
60) Dibromochloromethane	10.908	129	136186	54.286	ug/l		98
61) 1,2-Dibromoethane	11.012	107	94094	54.483	ug/l		99
64) Tetrachloroethene	10.646	164	123553	47.271	ug/l		99
65) Chlorobenzene	11.444	112	372978	49.139	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	133738	49.836	ug/l		99
67) Ethyl Benzene	11.518	91	663345	49.791	ug/l		100
68) m/p-Xylenes	11.627	106	504274	99.700	ug/l		98
69) o-Xylene	11.956	106	235466	50.512	ug/l		100
70) Styrene	11.969	104	404739	52.337	ug/l		100
71) Bromoform	12.133	173	79480	52.982	ug/l	#	99
73) Isopropylbenzene	12.255	105	621268	46.741	ug/l		99
74) N-amyl acetate	12.072	43	157019	54.396	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	117052	49.905	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	86639m	50.955	ug/l		
77) Bromobenzene	12.530	156	146642	47.159	ug/l		99
78) n-propylbenzene	12.597	91	761668	47.185	ug/l		100
79) 2-Chlorotoluene	12.682	91	434018	47.022	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	513200	47.512	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	38754	51.814	ug/l		96
82) 4-Chlorotoluene	12.780	91	451424	47.230	ug/l		99
83) tert-Butylbenzene	12.999	119	458801	47.613	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	516598	48.169	ug/l		100
85) sec-Butylbenzene	13.176	105	672802	46.928	ug/l		99
86) p-Isopropyltoluene	13.292	119	562725	47.642	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	288529	46.614	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	286896	47.394	ug/l		98
89) n-Butylbenzene	13.621	91	530559	48.645	ug/l		100
90) Hexachloroethane	13.883	117	115729	45.929	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	256501	48.350	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17841	50.779	ug/l		97
93) 1,2,4-Trichlorobenzene	14.925	180	144430	49.844	ug/l		98
94) Hexachlorobutadiene	15.029	225	87656	48.258	ug/l		100
95) Naphthalene	15.145	128	254945	51.817	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	125217	51.380	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
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ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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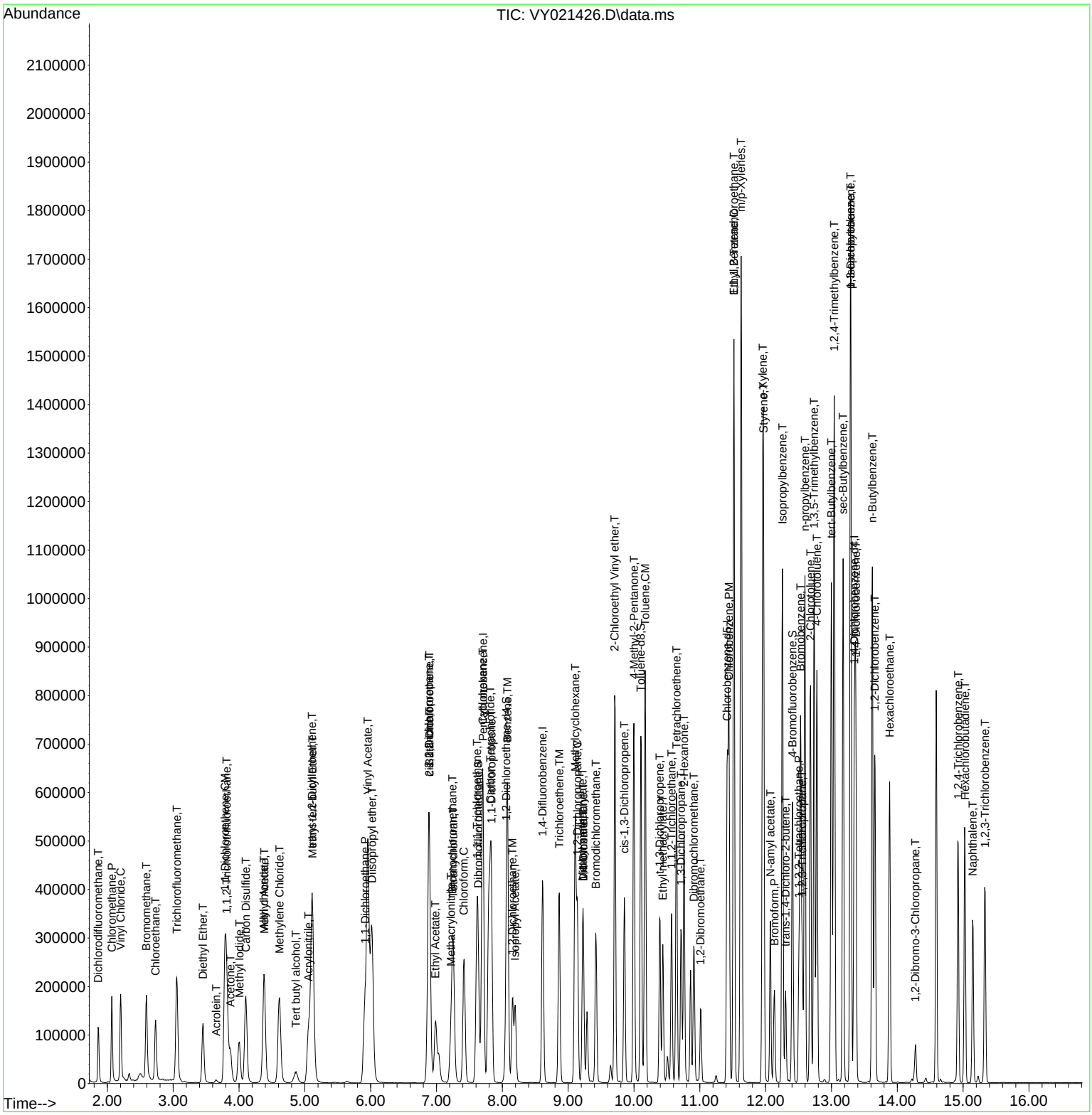
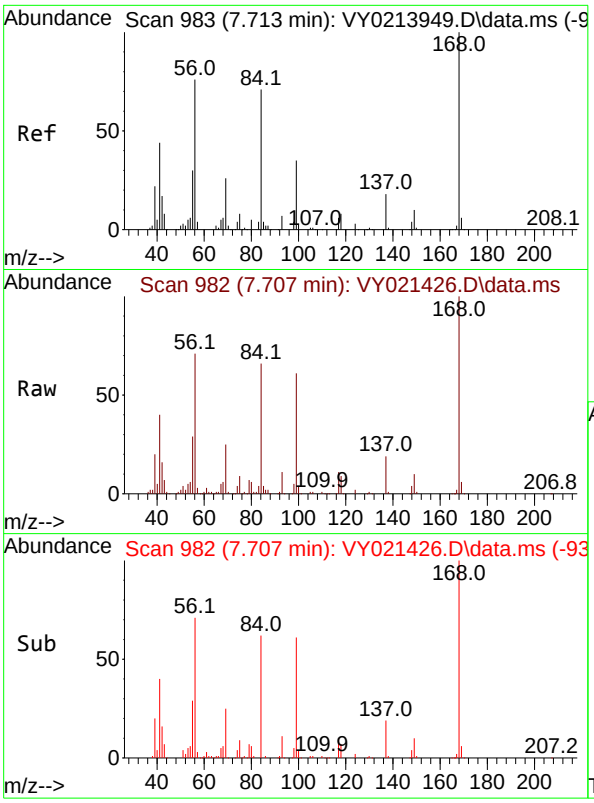
Supervised By :Semsettin Yesilyurt 03/07/2025

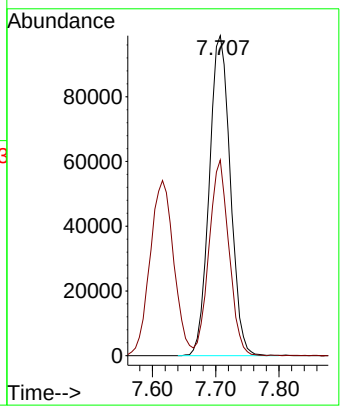




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:168 Resp: 22827

Ion	Ratio	Lower	Upper
168	100		
99	61.1	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
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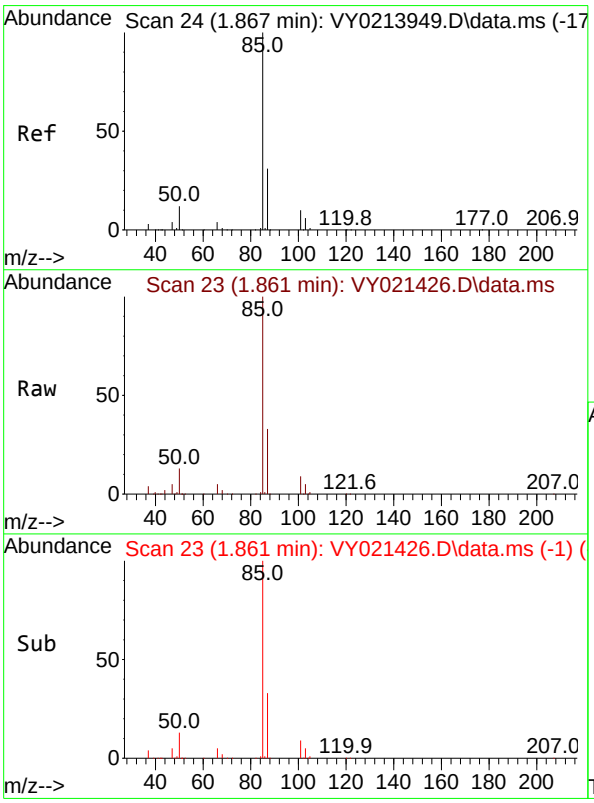
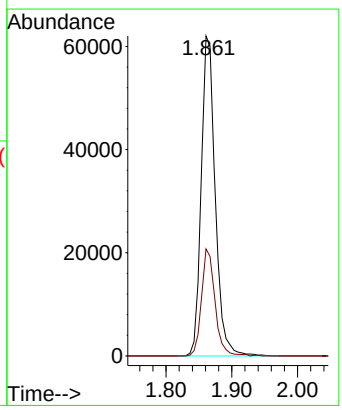
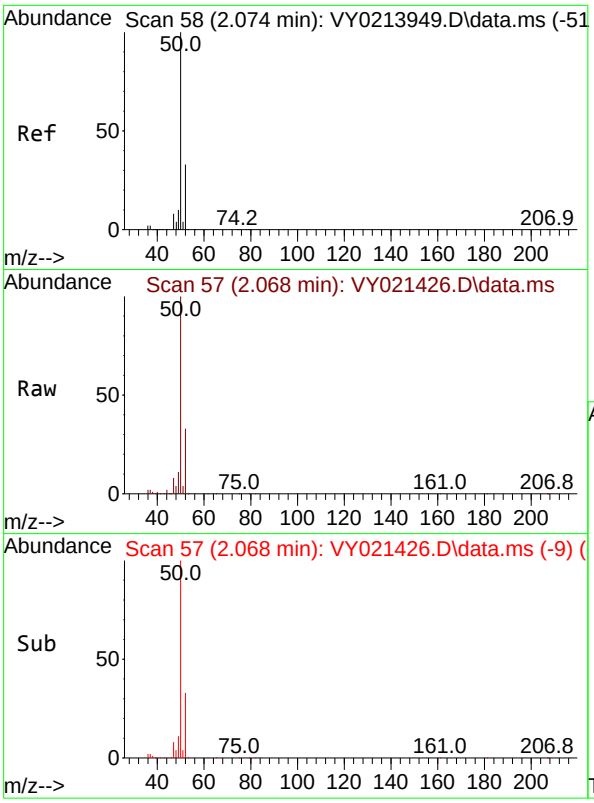


#2
Dichlorodifluoromethane
Concen: 43.903 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 85 Resp: 91968

Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.7	47.0

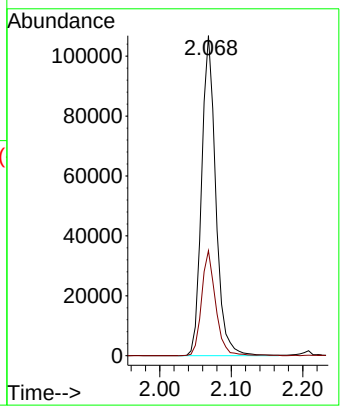




#3
Chloromethane
Concen: 49.777 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 50 Resp: 14700

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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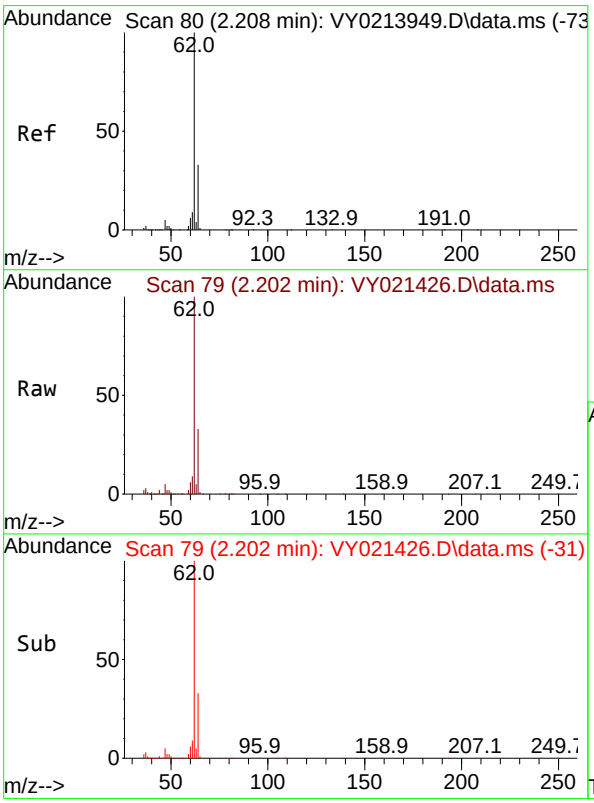
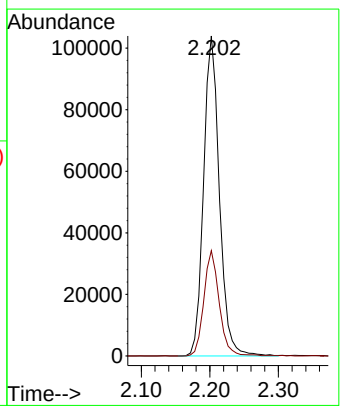
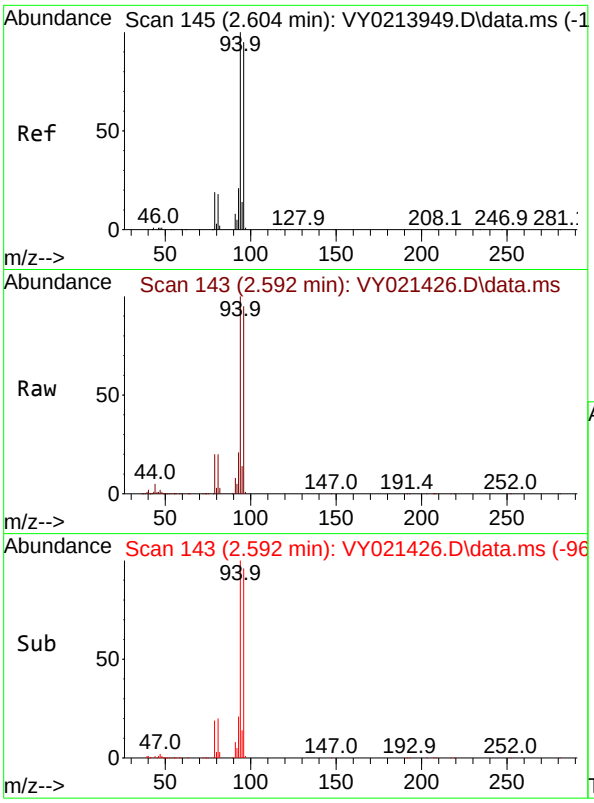


#4
Vinyl Chloride
Concen: 51.736 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 62 Resp: 166975

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.2	39.2

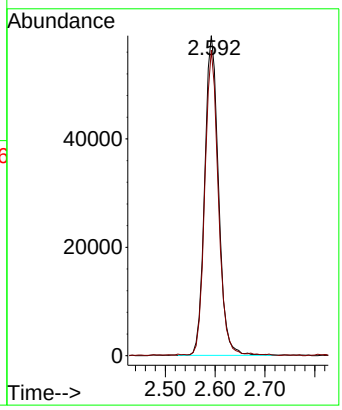




#5
Bromomethane
Concen: 48.738 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 94 Resp: 11368

Ion	Ratio	Lower	Upper
94	100		
96	95.4	76.3	114.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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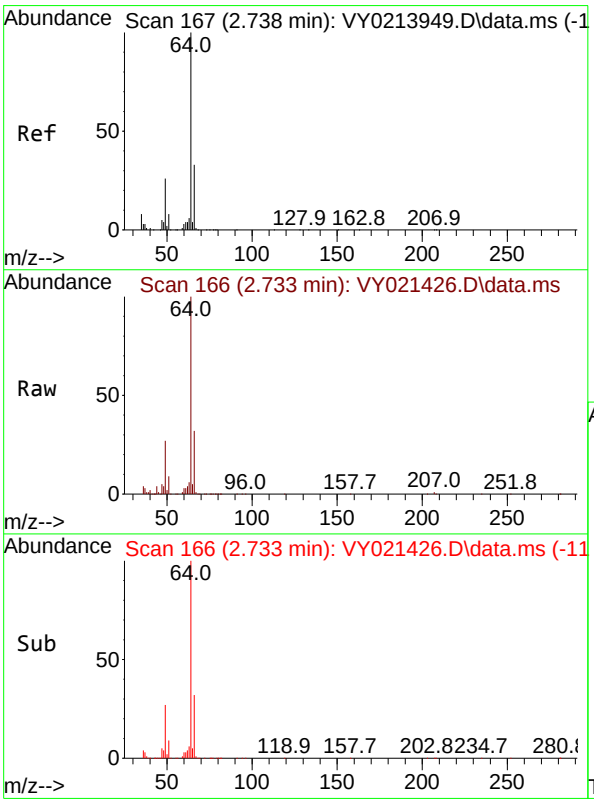
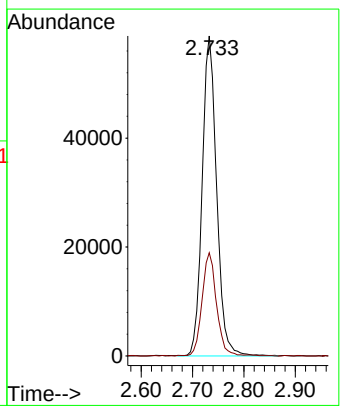
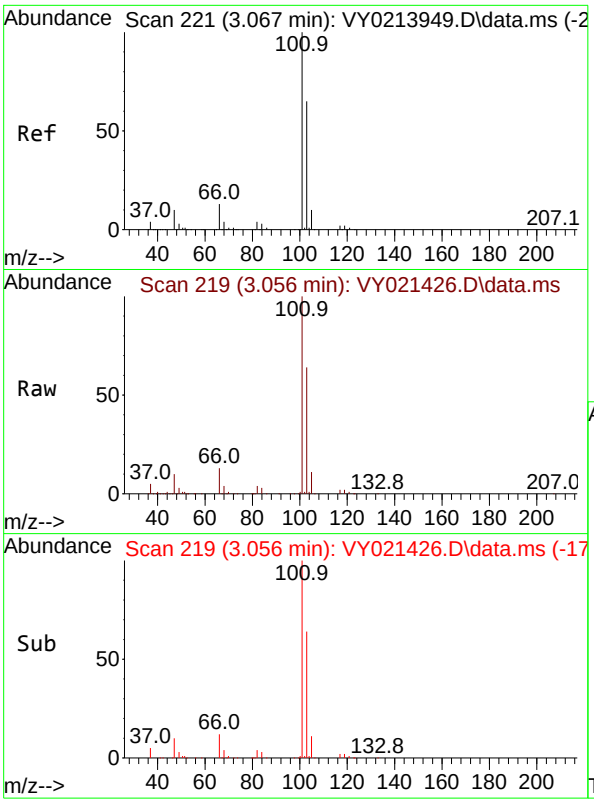


#6
Chloroethane
Concen: 53.870 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 64 Resp: 114896

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.7	40.1





#7
Trichlorofluoromethane
Concen: 49.383 ug/l
RT: 3.056 min Scan# 2
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:101 Resp: 22246

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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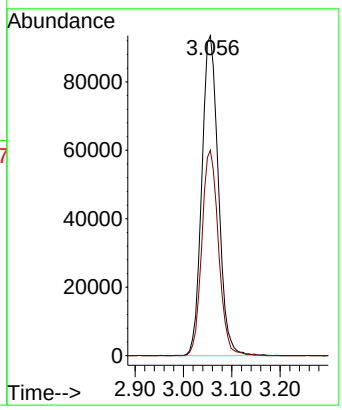
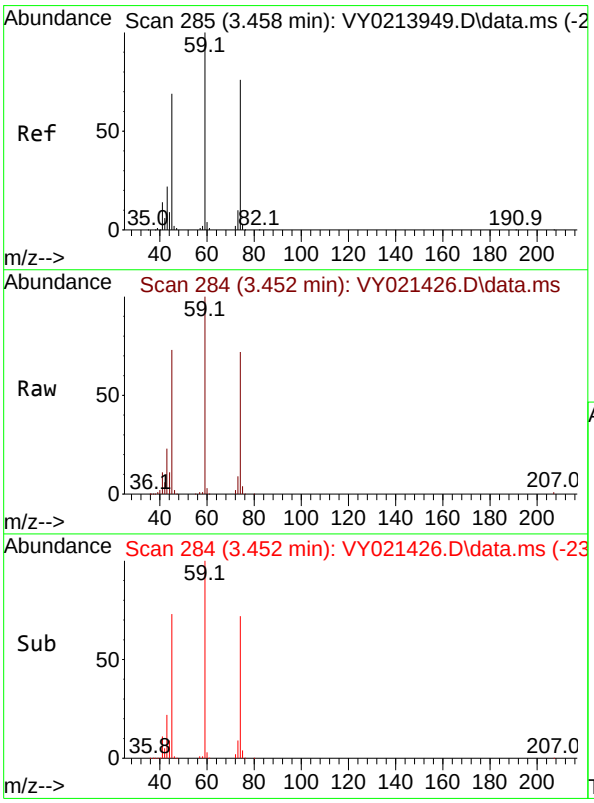
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

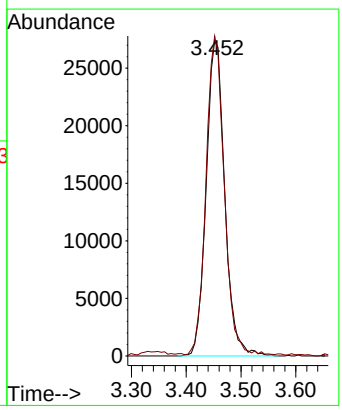


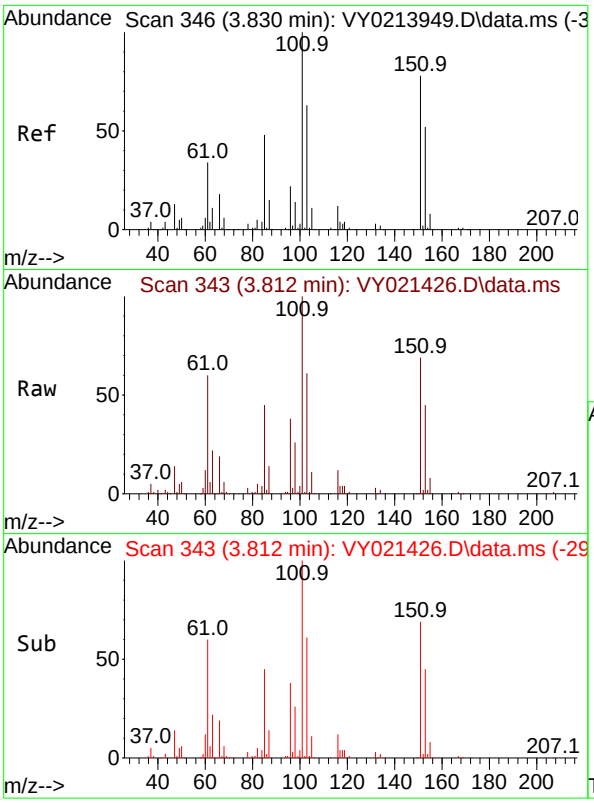


#8
Diethyl Ether
Concen: 51.579 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 74 Resp: 64391

Ion	Ratio	Lower	Upper
74	100		
45	98.9	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.535 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.018 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:101 Resp: 11968

Ion	Ratio	Lower	Upper
101	100		
85	45.7	37.1	55.7
151	75.6	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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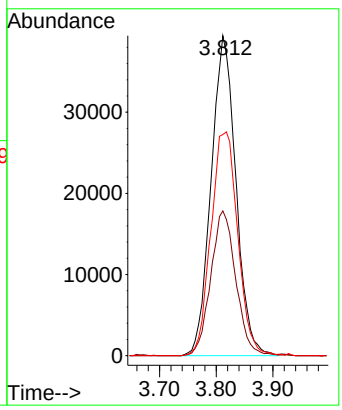
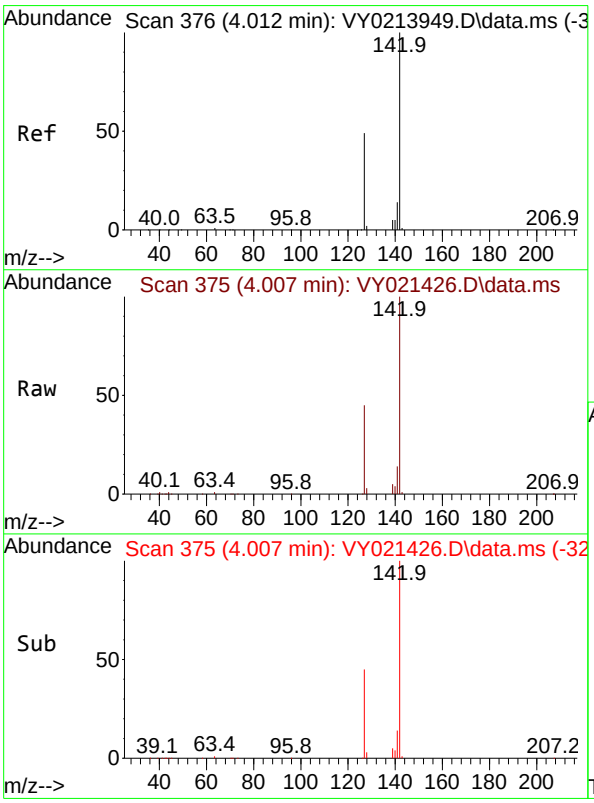
Supervised By :Semsettin Yesilyurt 03/07/2025

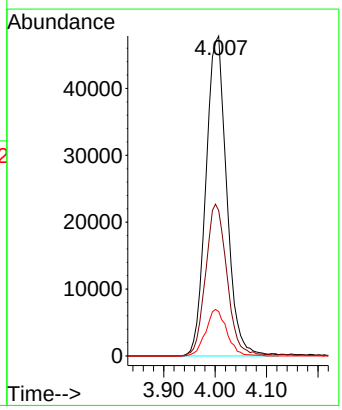


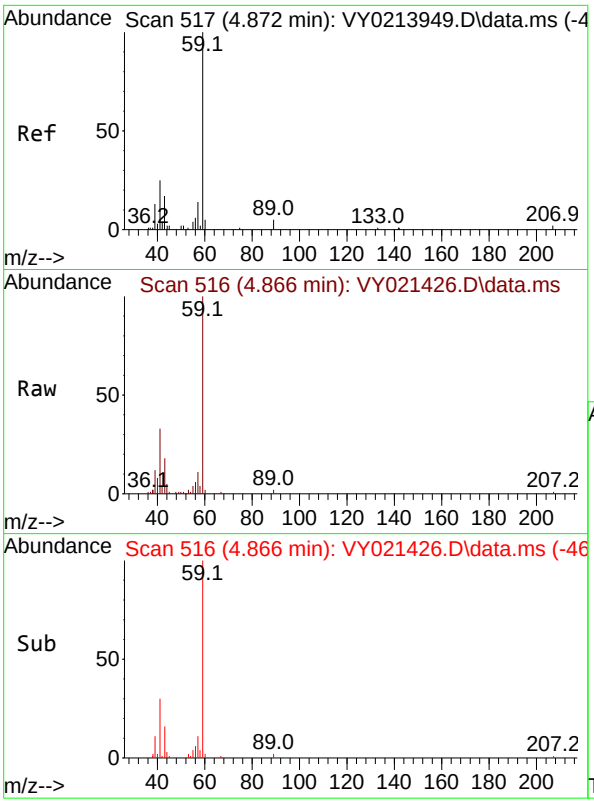


#10
Methyl Iodide
Concen: 51.334 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:142 Resp: 134207

Ion	Ratio	Lower	Upper
142	100		
127	48.8	39.1	58.7
141	14.8	11.8	17.6

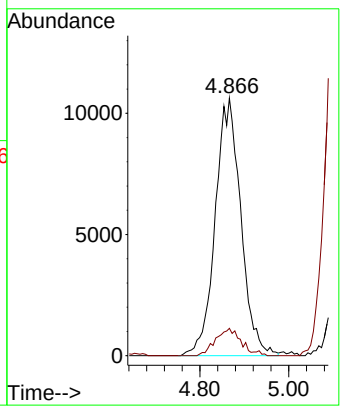




#11
Tert butyl alcohol
Concen: 272.642 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 59 Resp: 4244

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4



Instrument :
MSVOA_Y
ClientSampleId :
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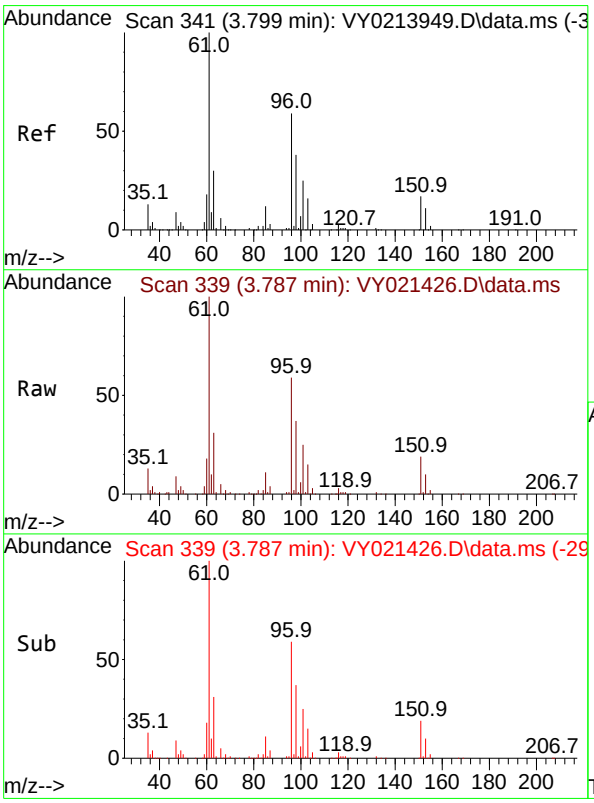
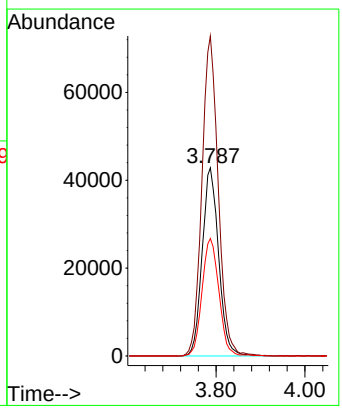
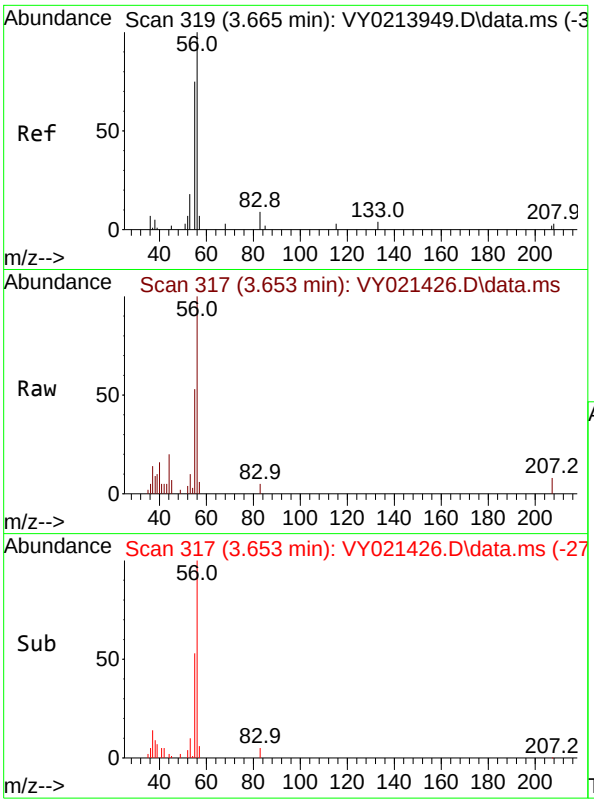


#12
1,1-Dichloroethene
Concen: 47.161 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 96 Resp: 110585

Ion	Ratio	Lower	Upper
96	100		
61	170.0	135.2	202.8
98	62.4	51.4	77.2





#13
Acrolein
Concen: 51.516 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 56 Resp: 632

Ion	Ratio	Lower	Upper
56	100		
55	66.9	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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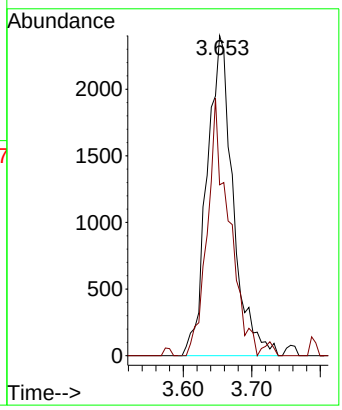
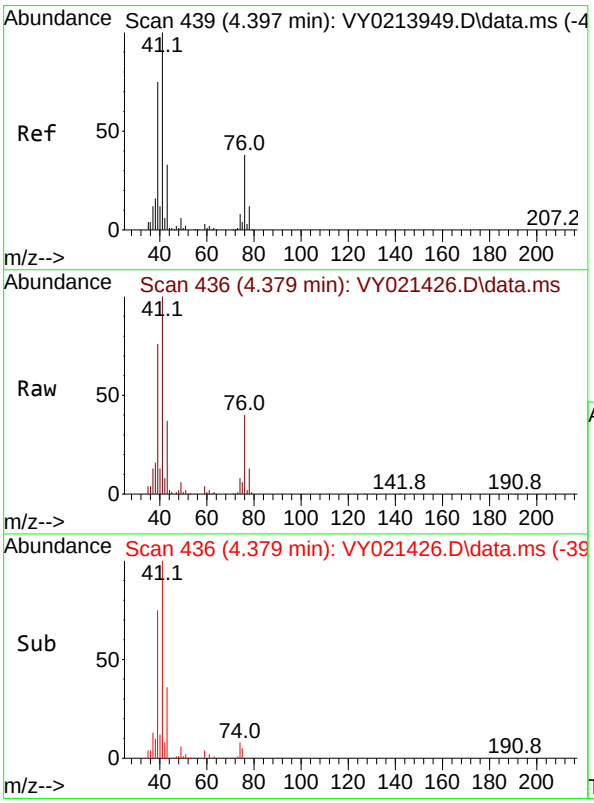
Supervised By :Semsettin Yesilyurt 03/07/2025

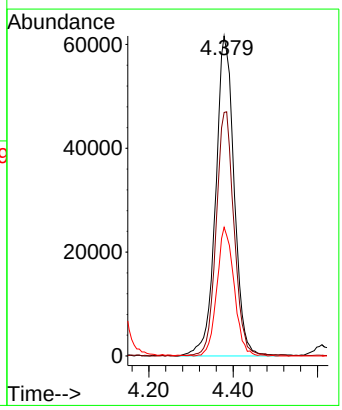


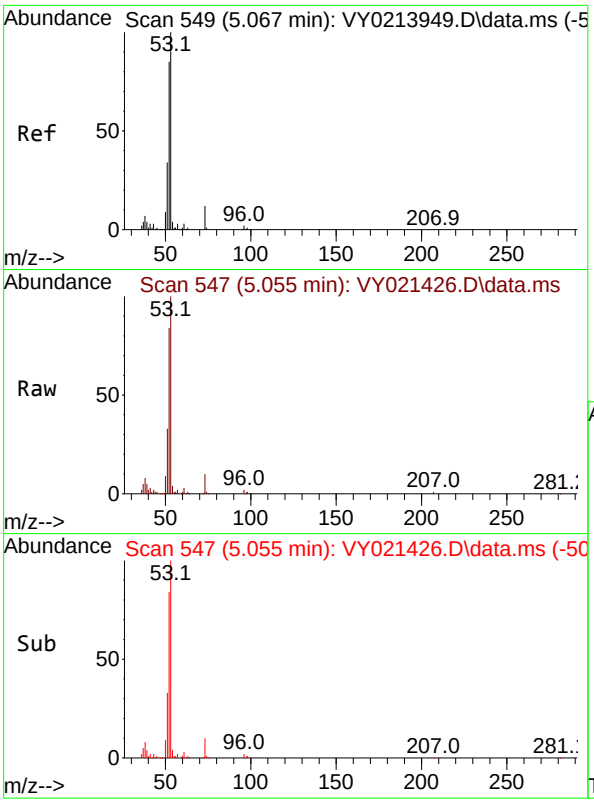


#14
Allyl chloride
Concen: 49.343 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.018 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 41 Resp: 186983

Ion	Ratio	Lower	Upper
41	100		
39	73.9	59.3	88.9
76	37.5	29.8	44.8

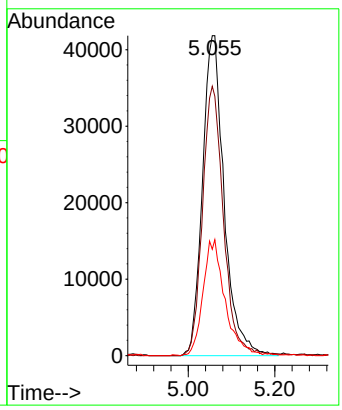




#15
Acrylonitrile
Concen: 273.503 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 53 Resp: 145349

Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.3	99.5
51	36.7	30.3	45.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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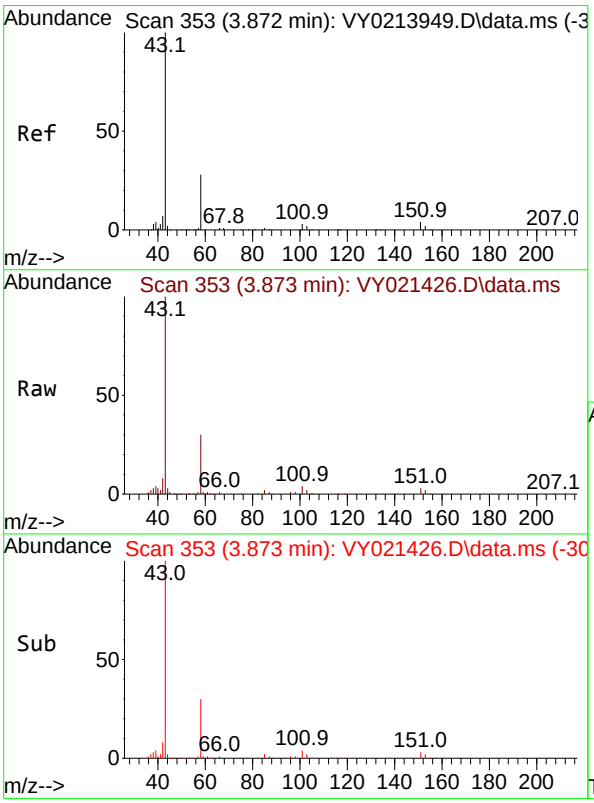
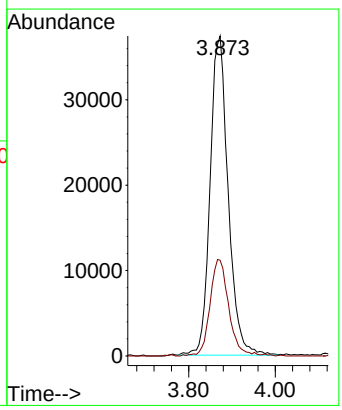
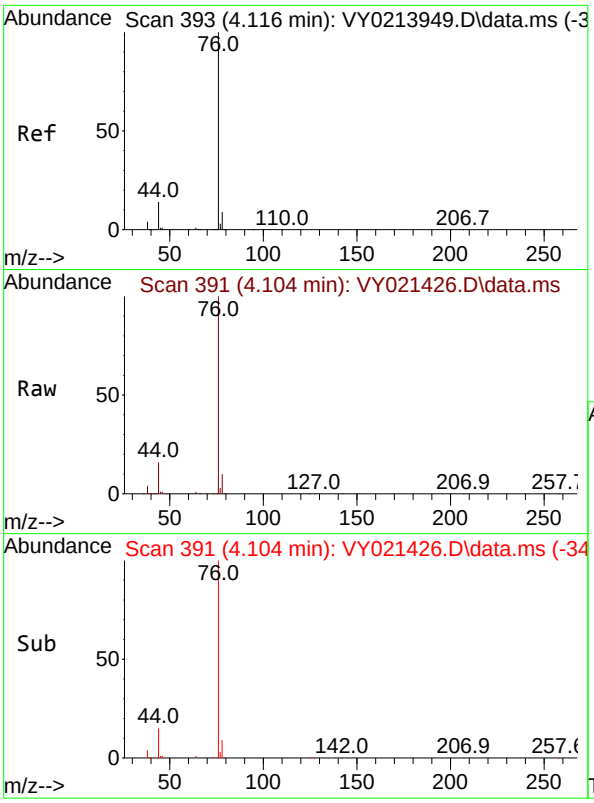


#16
Acetone
Concen: 205.940 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.001 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 43 Resp: 108373

Ion	Ratio	Lower	Upper
43	100		
58	30.0	22.1	33.1

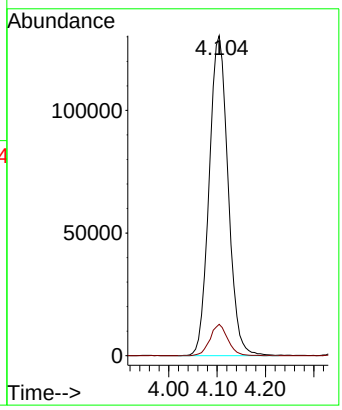




#17
Carbon Disulfide
Concen: 48.220 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 76 Resp: 35435

Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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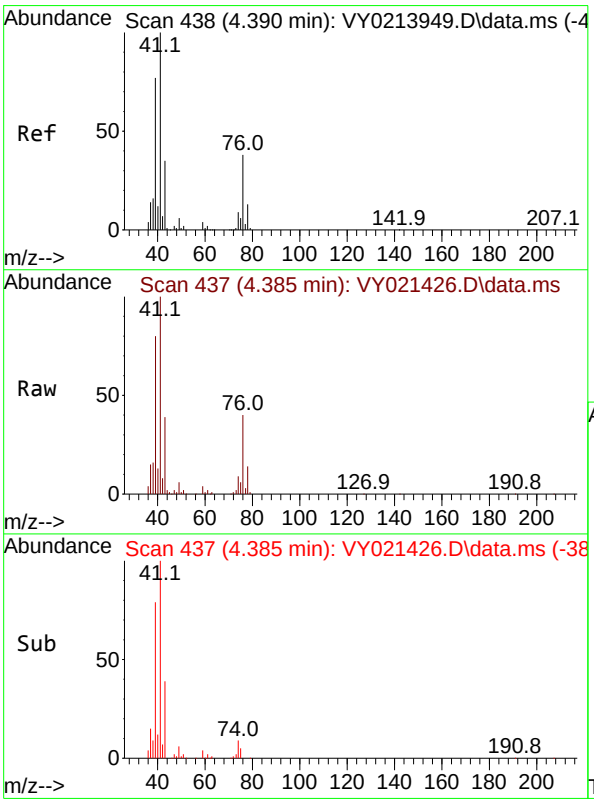
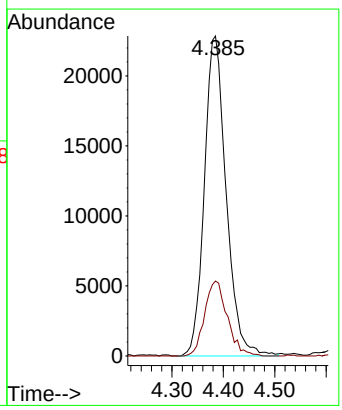
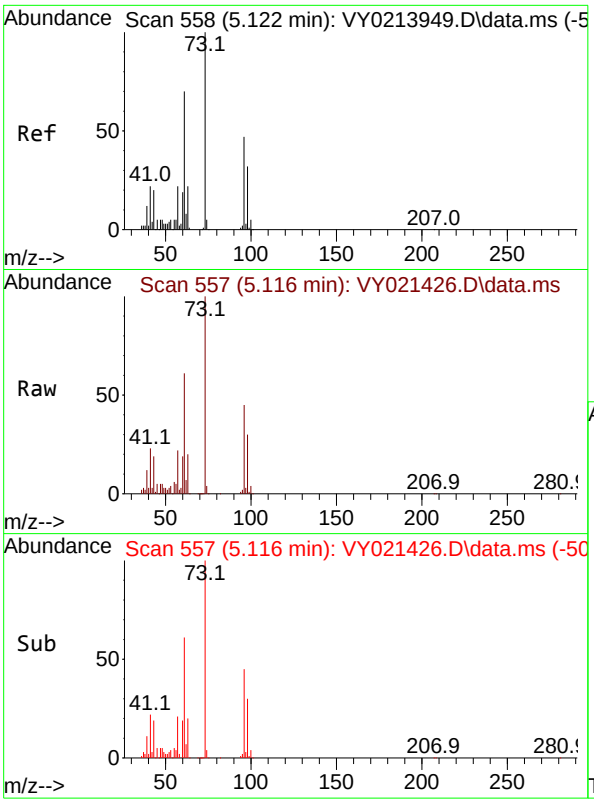


#18
Methyl Acetate
Concen: 57.717 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 43 Resp: 67392

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.0





#19
Methyl tert-butyl Ether
Concen: 53.206 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 73 Resp: 31621

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.9	26.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 03/07/2025
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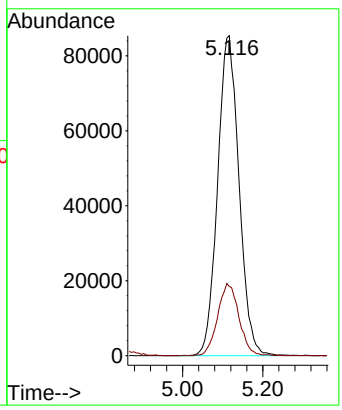
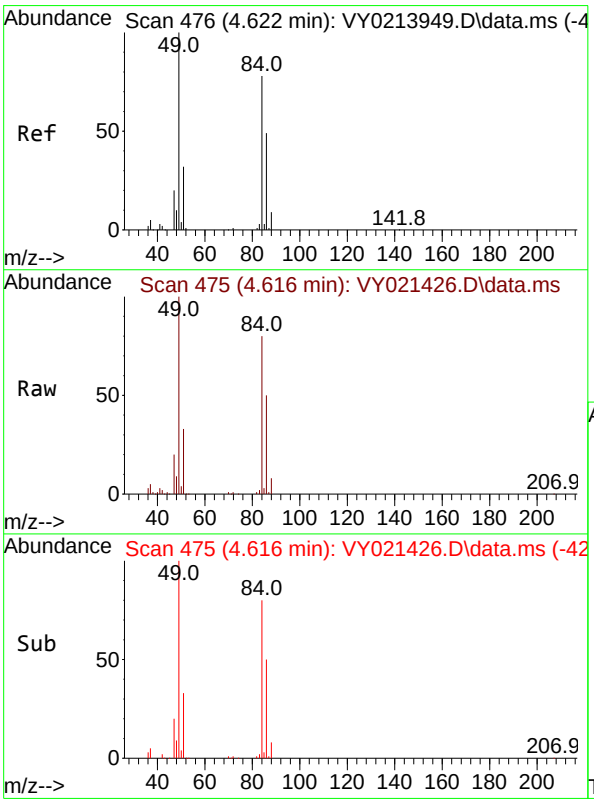
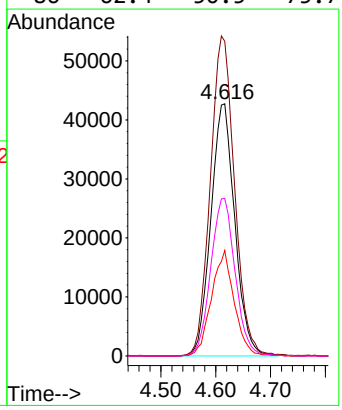


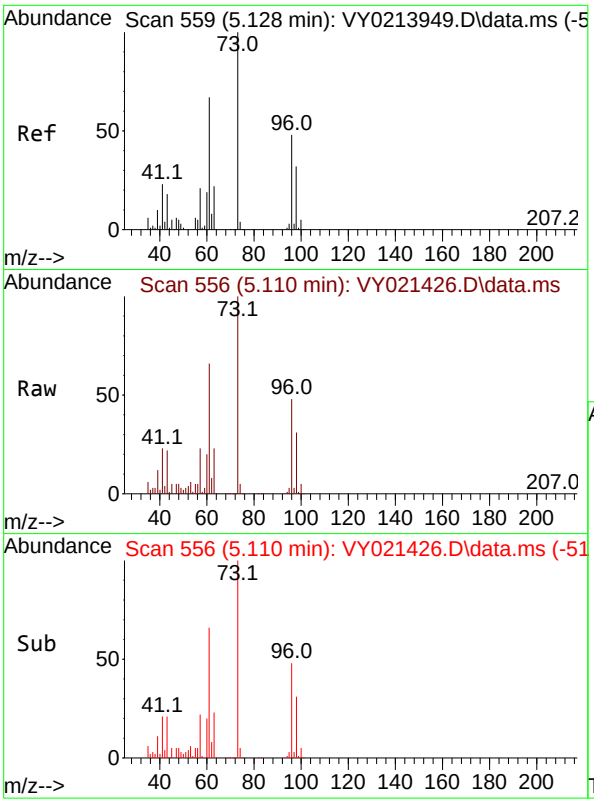


#20
Methylene Chloride
Concen: 46.907 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 84 Resp: 129572

Ion	Ratio	Lower	Upper
84	100		
49	124.8	102.0	153.0
51	41.8	33.0	49.6
86	62.4	50.5	75.7

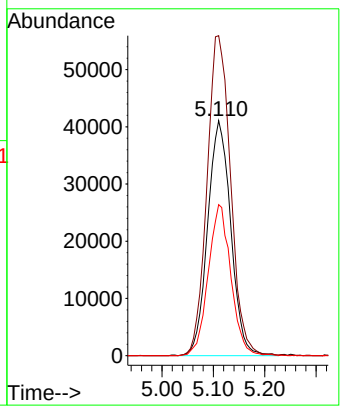




#21
trans-1,2-Dichloroethene
Concen: 48.926 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 96 Resp: 12848

Ion	Ratio	Lower	Upper
96	100		
61	136.1	111.5	167.3
98	64.3	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
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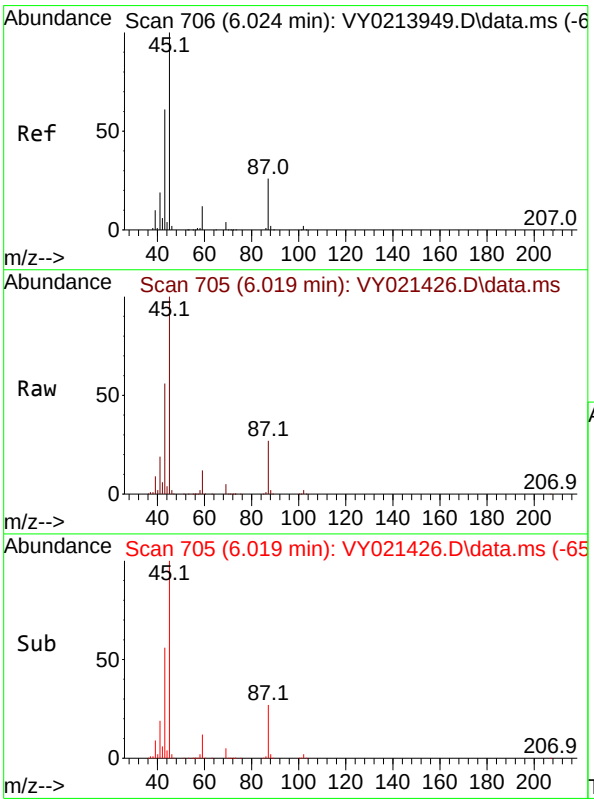
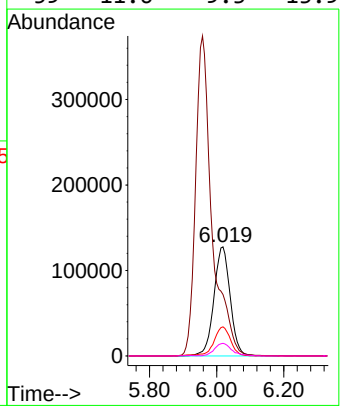
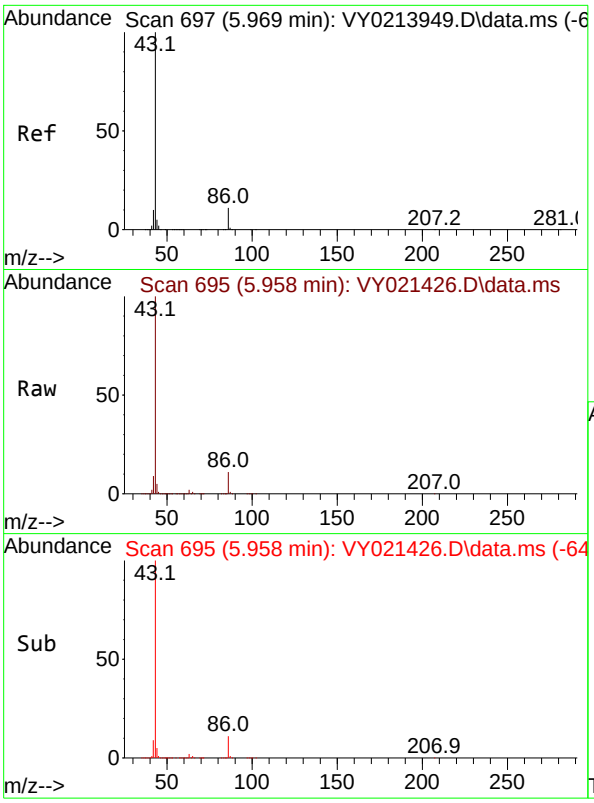


#22
Diisopropyl ether
Concen: 52.719 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 45 Resp: 430531

Ion	Ratio	Lower	Upper
45	100		
43	56.2	48.7	73.1
87	26.7	21.5	32.3
59	11.6	9.3	13.9

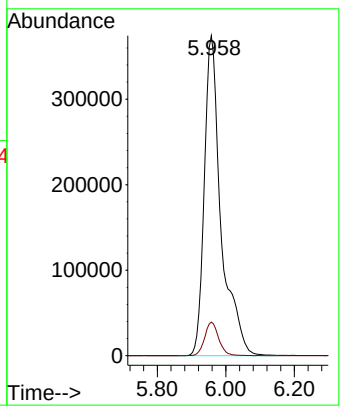




#23
Vinyl Acetate
Concen: 273.089 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 43 Resp: 127278

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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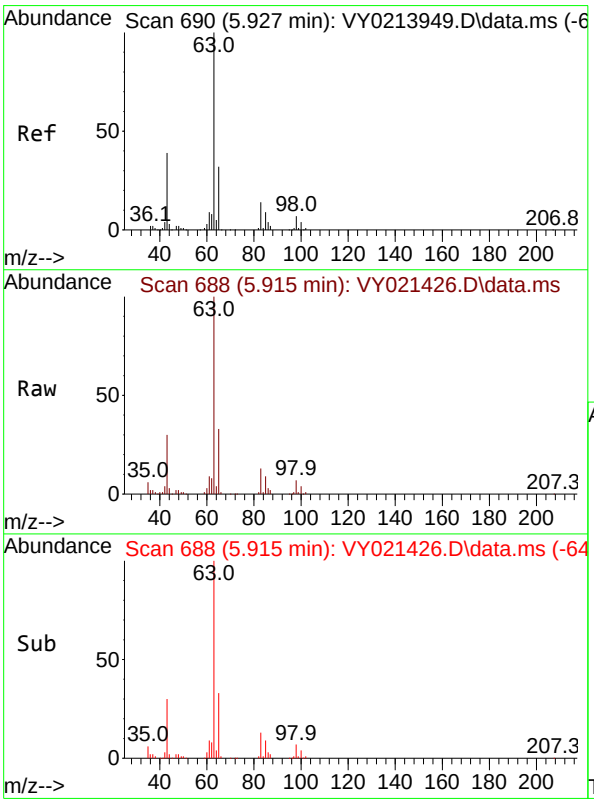
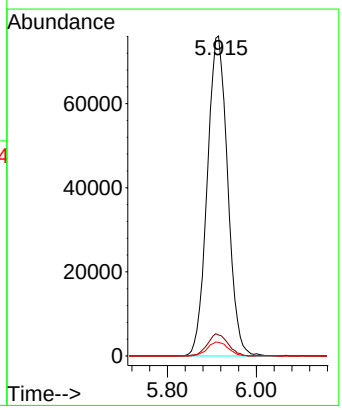
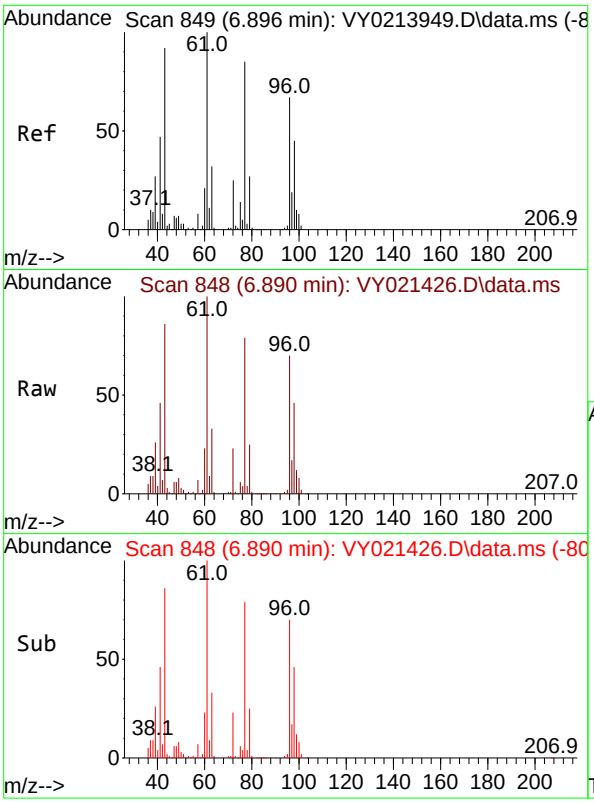


#24
1,1-Dichloroethane
Concen: 50.264 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 63 Resp: 242268

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.9
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 251.304 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 43 Resp: 18293

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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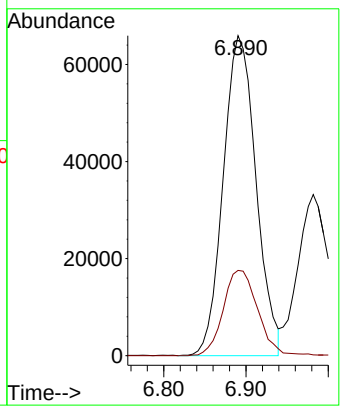
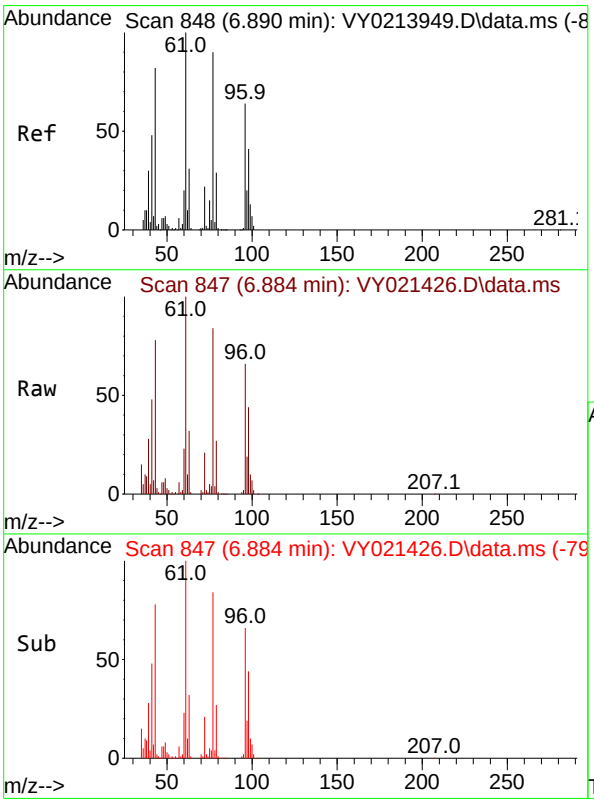
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

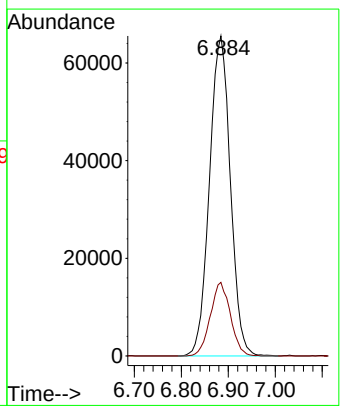


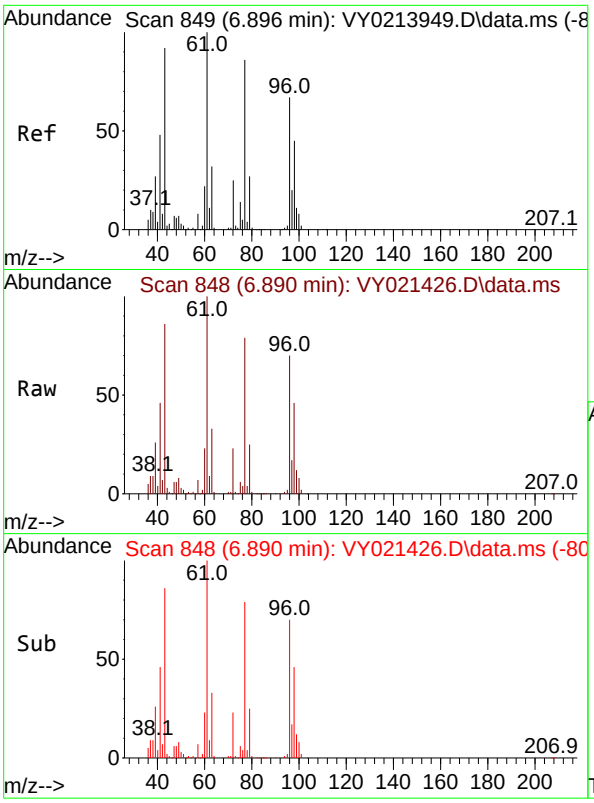


#26
2,2-Dichloropropane
Concen: 45.627 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 77 Resp: 202350

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 50.337 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 96 Resp: 15017

Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	300.8
98	64.6	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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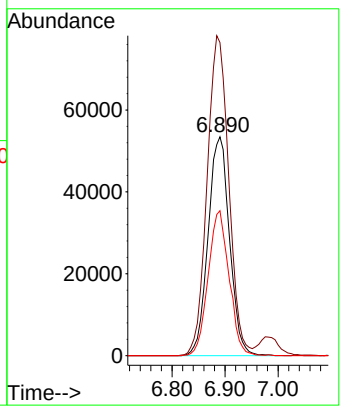
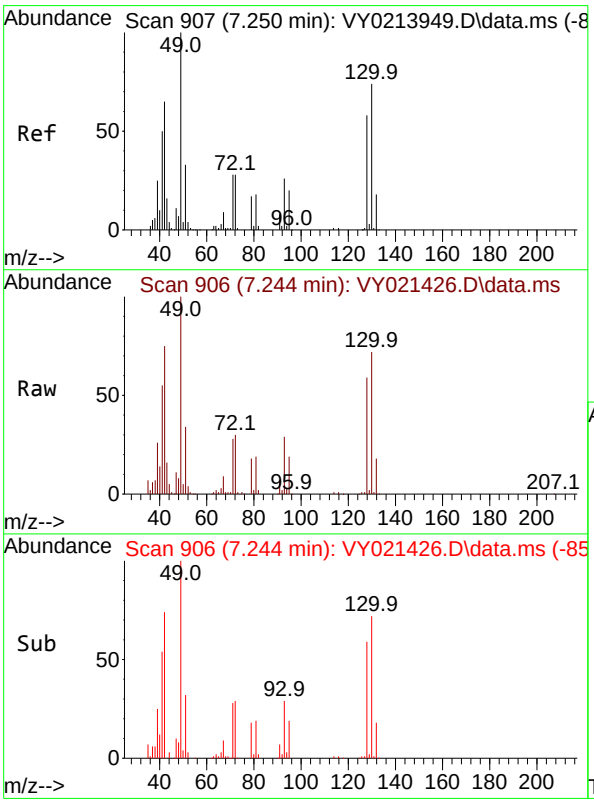
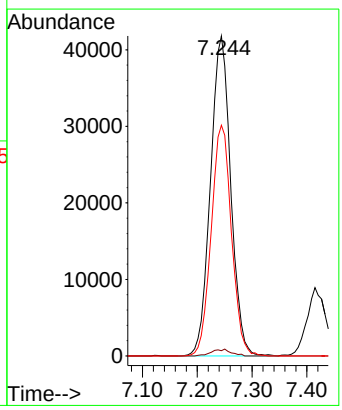


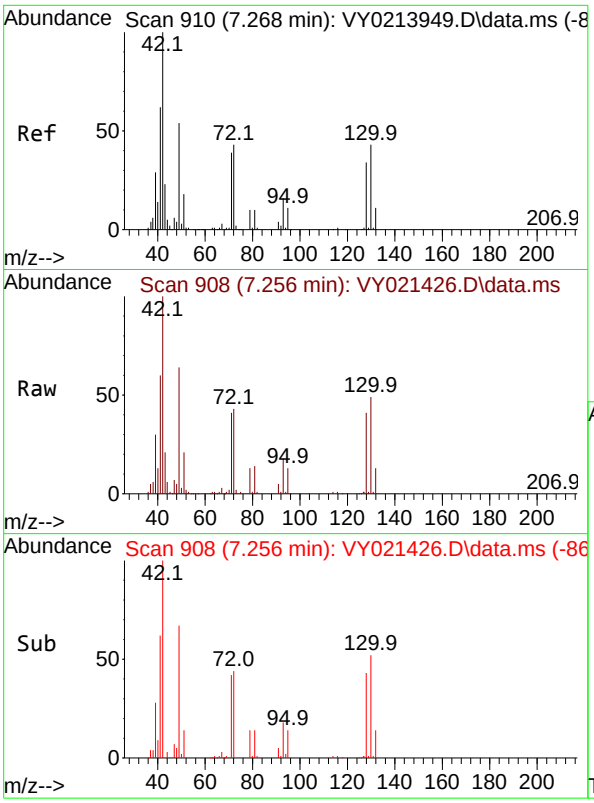


#28
Bromochloromethane
Concen: 53.090 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 49 Resp: 107278

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	72.0	59.6	89.4

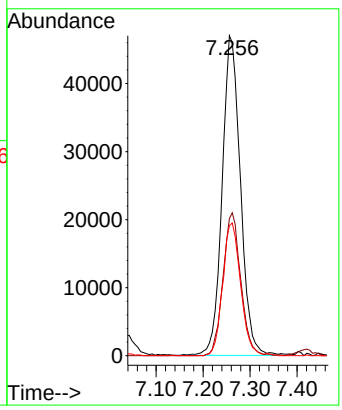




#29
Tetrahydrofuran
Concen: 283.216 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 42 Resp: 12727

Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.8	52.2
71	40.7	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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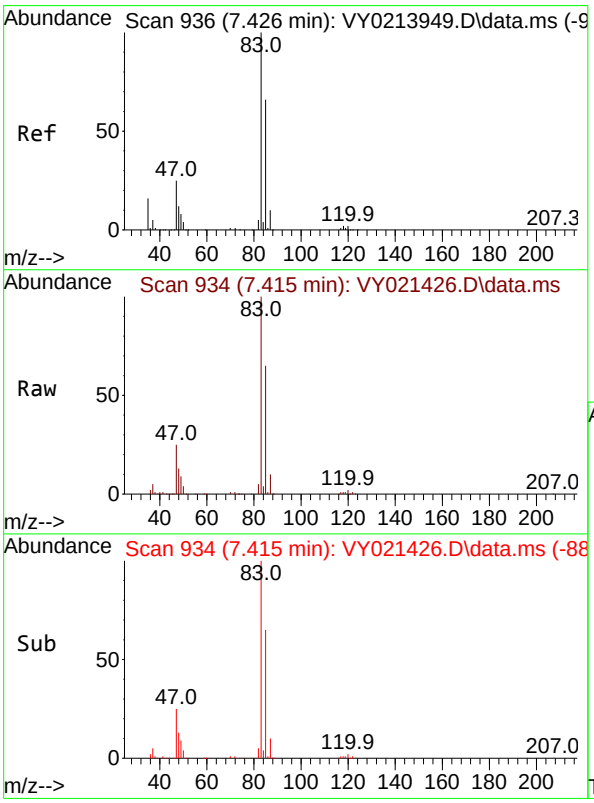
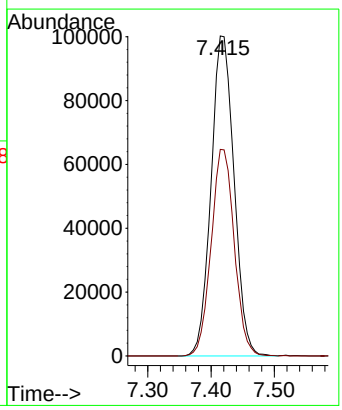
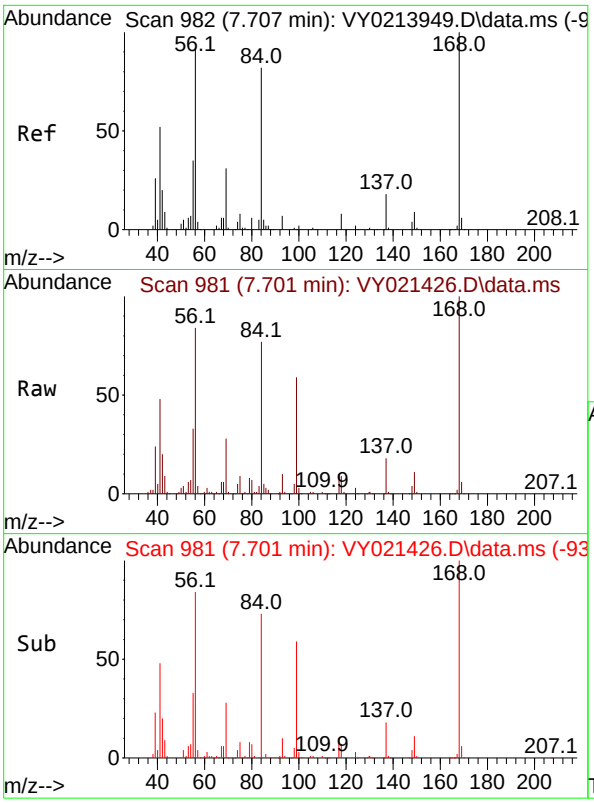


#30
Chloroform
Concen: 50.508 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 83 Resp: 252791

Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.1	79.7

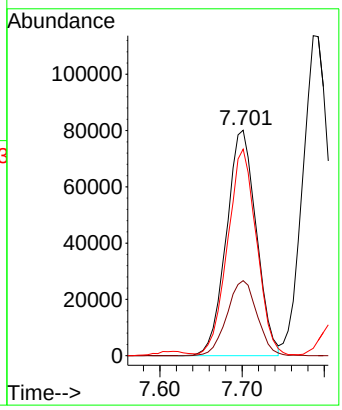




#31
Cyclohexane
Concen: 44.867 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 56 Resp: 20273

Ion	Ratio	Lower	Upper
56	100		
69	33.3	27.0	40.4
84	89.8	71.1	106.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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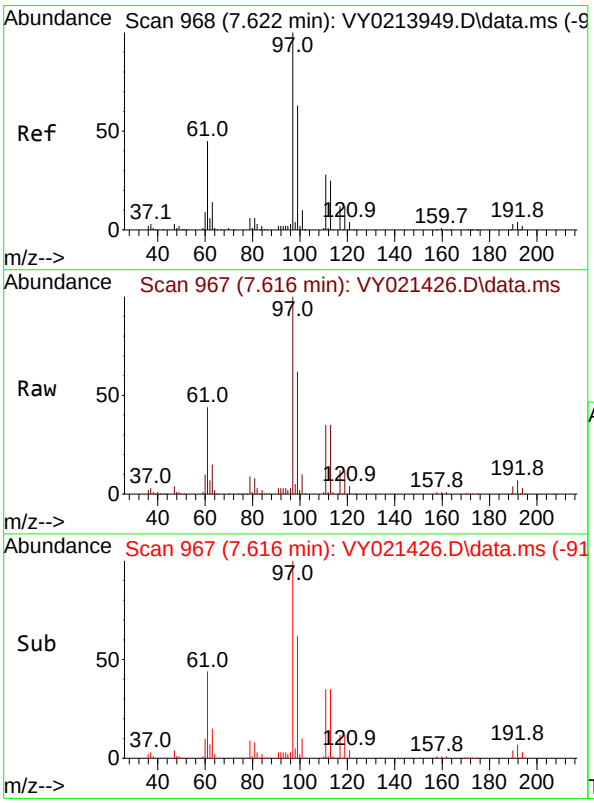
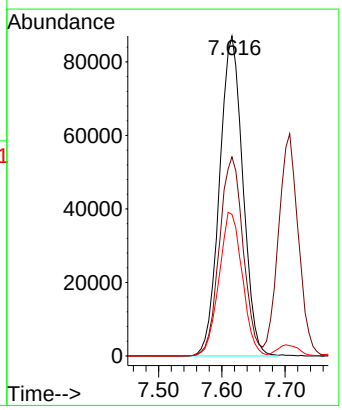
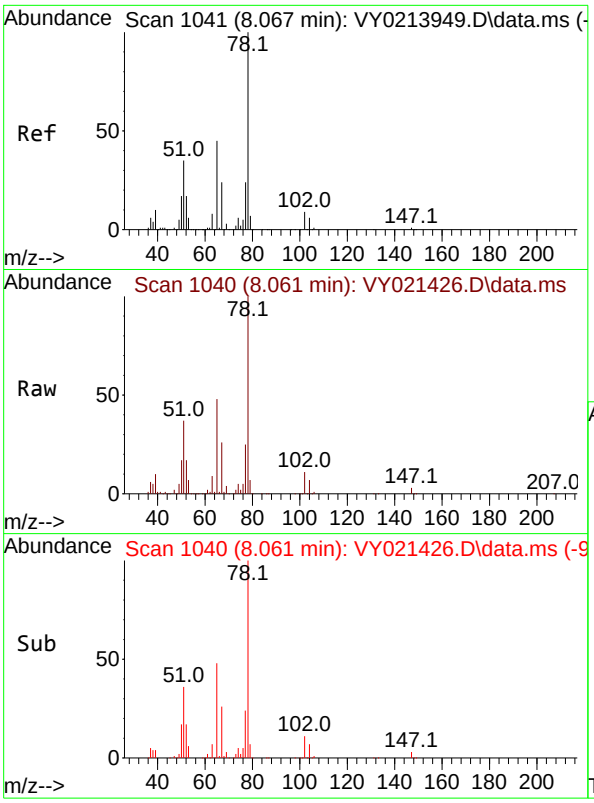


#32
1,1,1-Trichloroethane
Concen: 48.483 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 97 Resp: 222183

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.7	77.5
61	45.1	35.7	53.5

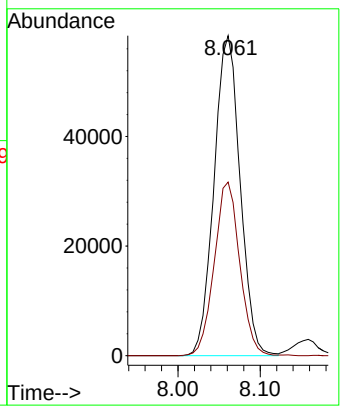




#33
1,2-Dichloroethane-d4
Concen: 53.398 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 65 Resp: 12883

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	102.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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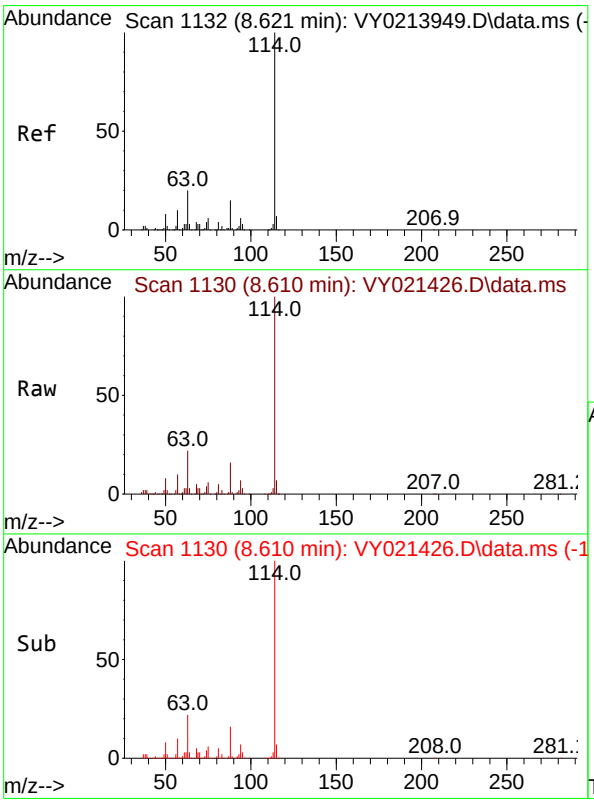
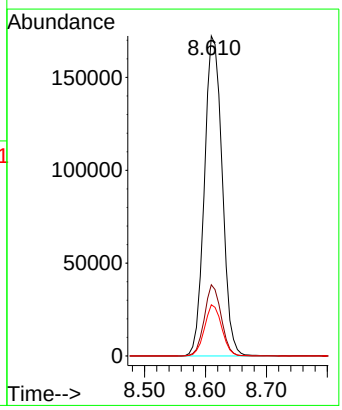
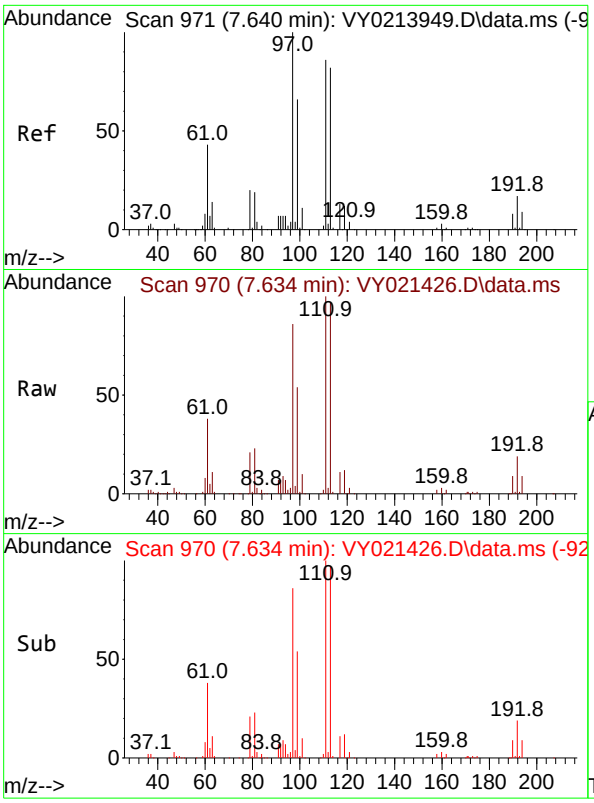


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:114 Resp: 348529

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	40.8
88	16.0	0.0	30.8

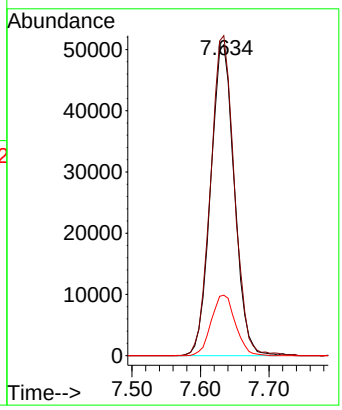




#35
Dibromofluoromethane
Concen: 53.115 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:113 Resp: 12168

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.0	123.0
192	19.9	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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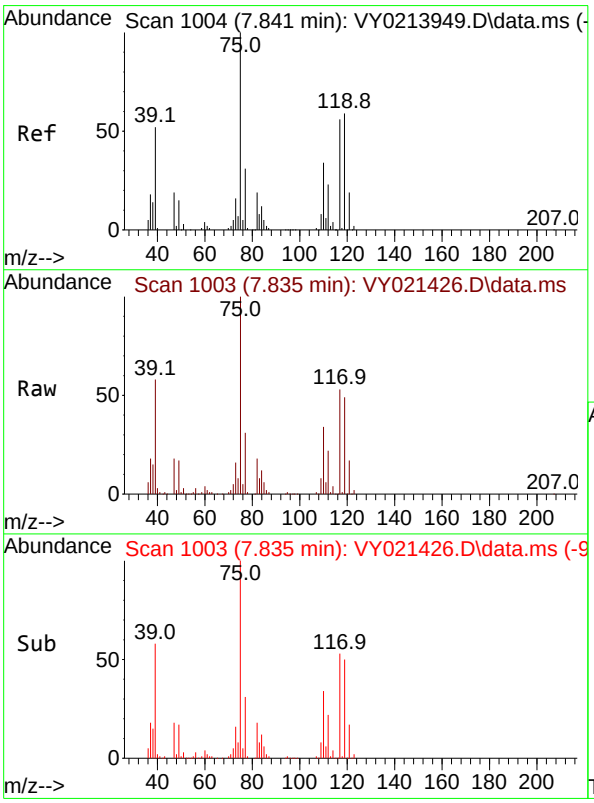
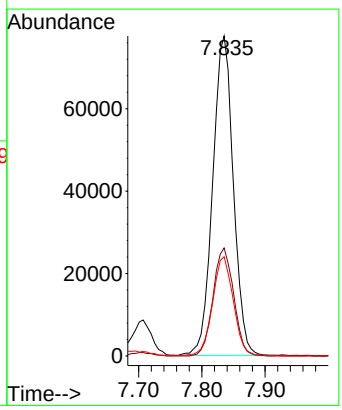
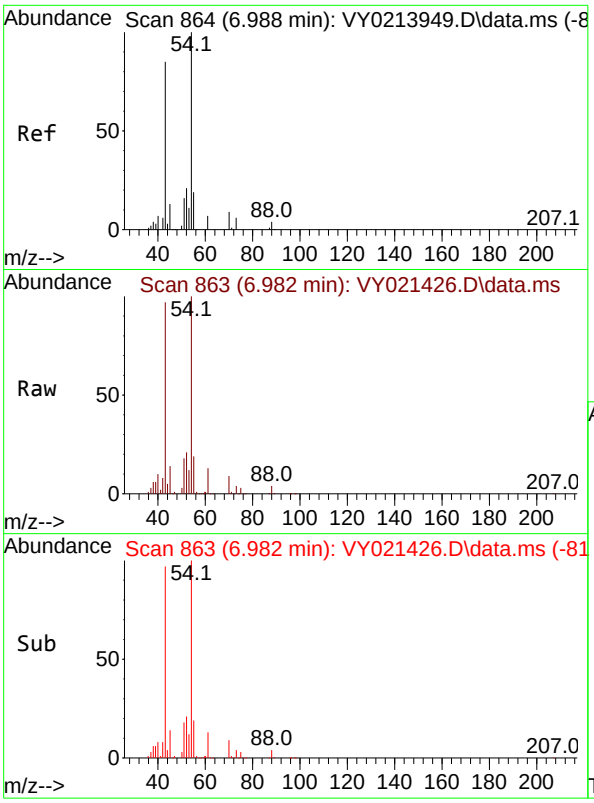


#36
1,1-Dichloropropene
Concen: 48.883 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 75 Resp: 175296

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.3	51.7
77	31.3	25.4	38.2





#37
Ethyl Acetate
Concen: 57.095 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 43 Resp: 9049

Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.4	17.0
70	9.6	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
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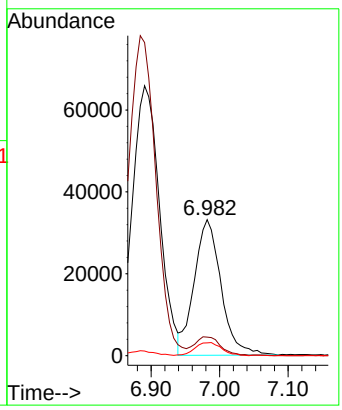
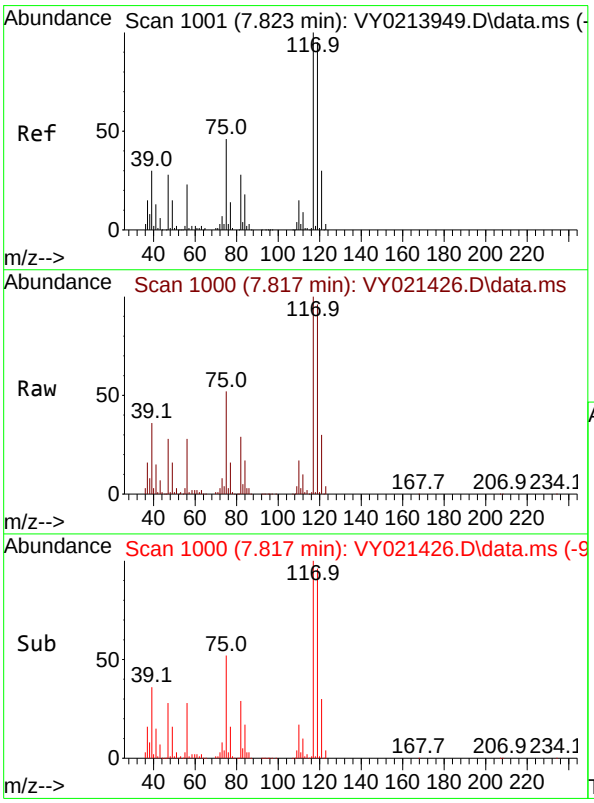
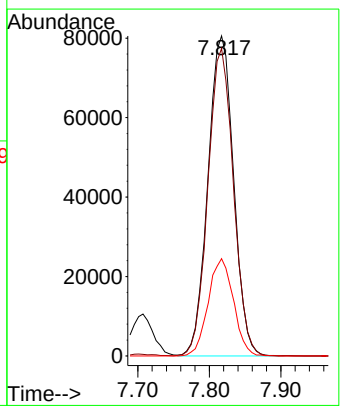


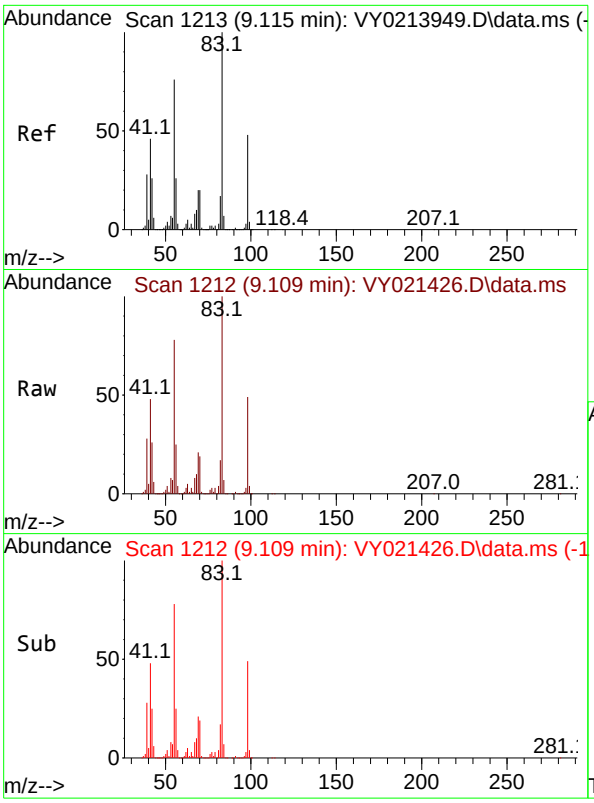


#38
Carbon Tetrachloride
Concen: 48.736 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:117 Resp: 200999

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.8	113.8
121	30.4	23.9	35.9





#39
Methylcyclohexane
Concen: 48.487 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 83 Resp: 21327

Ion	Ratio	Lower	Upper
83	100		
55	78.0	60.7	91.1
98	49.4	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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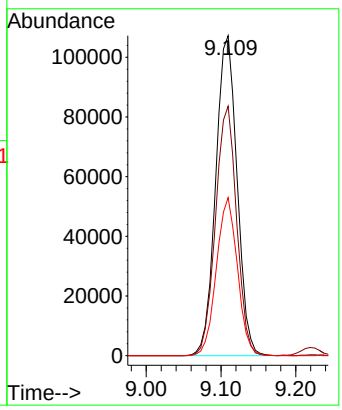
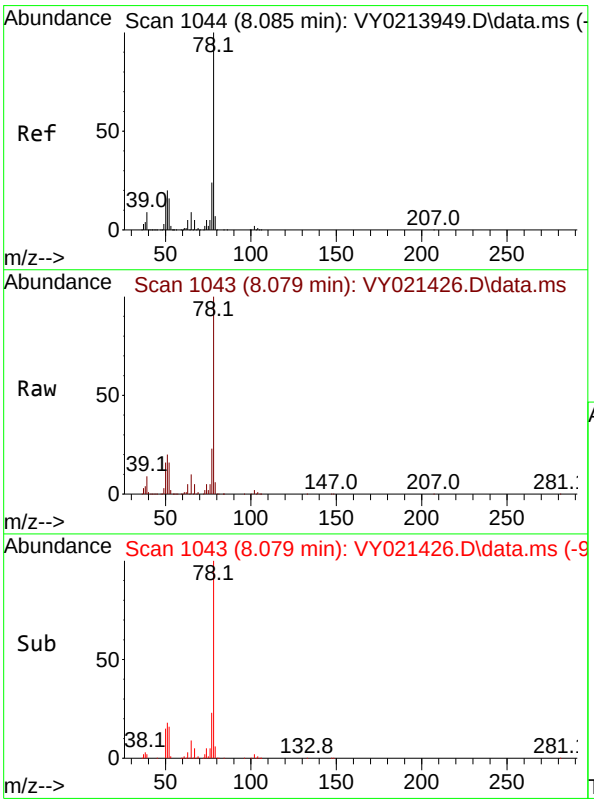
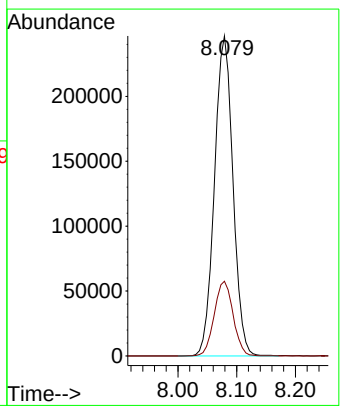


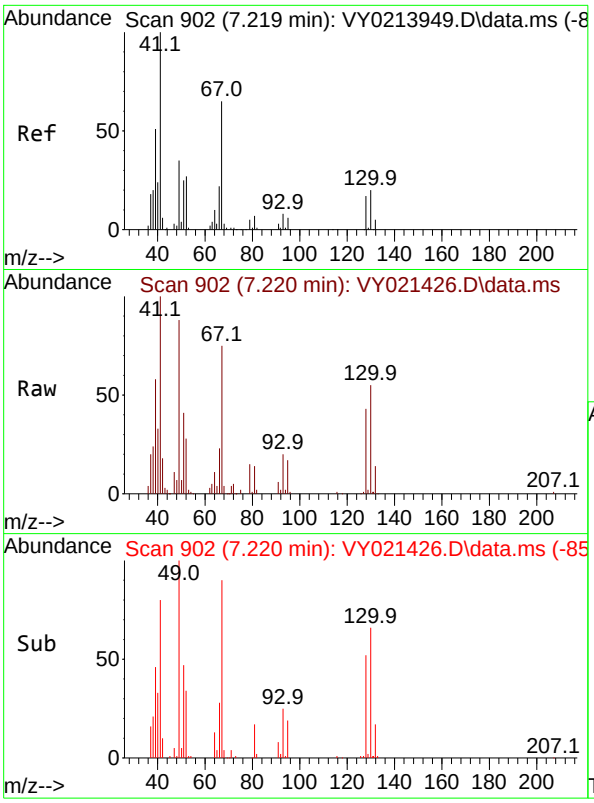


#40
Benzene
Concen: 50.938 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 78 Resp: 538095

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4

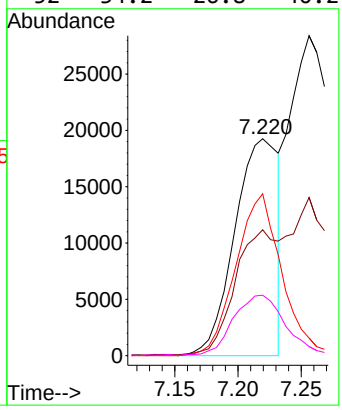




#41
Methacrylonitrile
Concen: 53.514 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 41 Resp: 4618

Ion	Ratio	Lower	Upper
41	100		
39	57.5	35.0	52.6
67	78.8	61.2	91.8
52	34.2	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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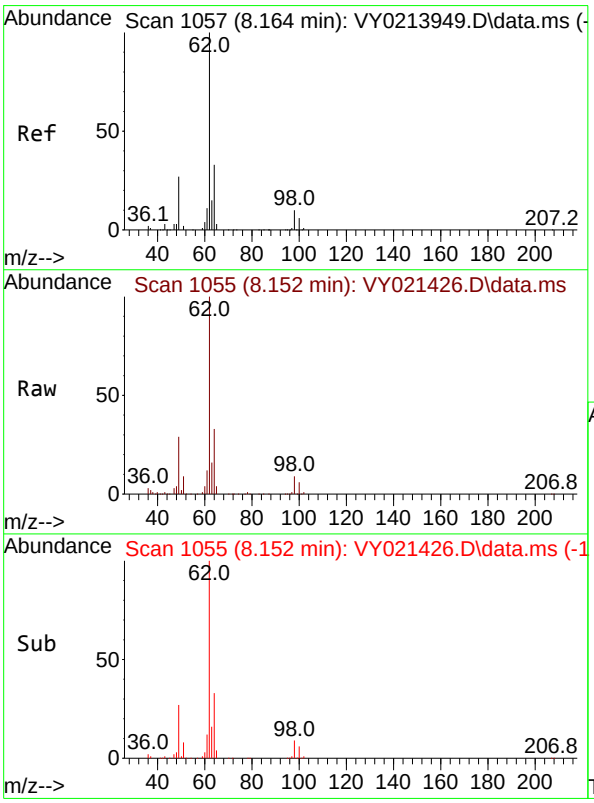
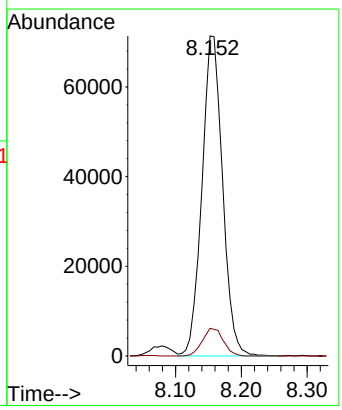
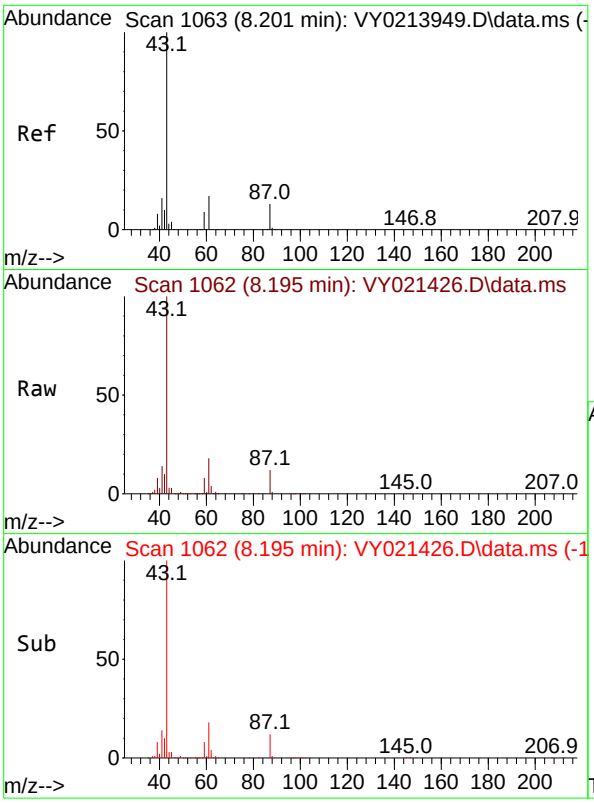


#42
1,2-Dichloroethane
Concen: 52.759 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 62 Resp: 155915

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2





#43
Isopropyl Acetate
Concen: 55.731 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 43 Resp: 17147

Ion	Ratio	Lower	Upper
43	100		
61	19.2	23.4	35.0#
87	12.8	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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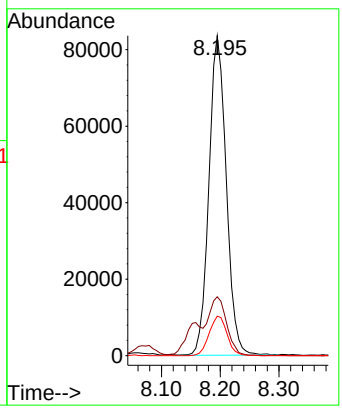
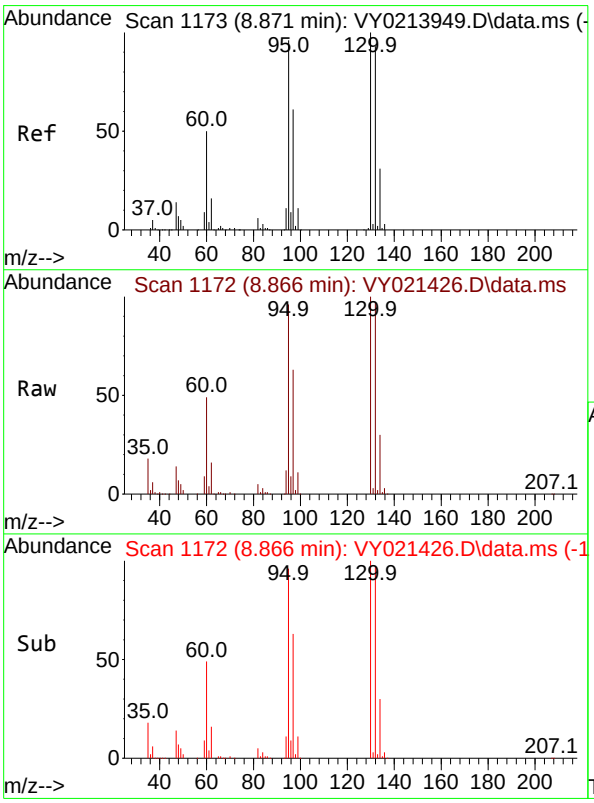
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

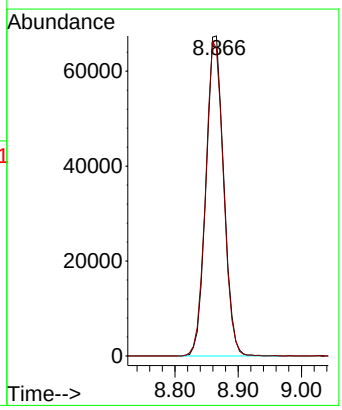


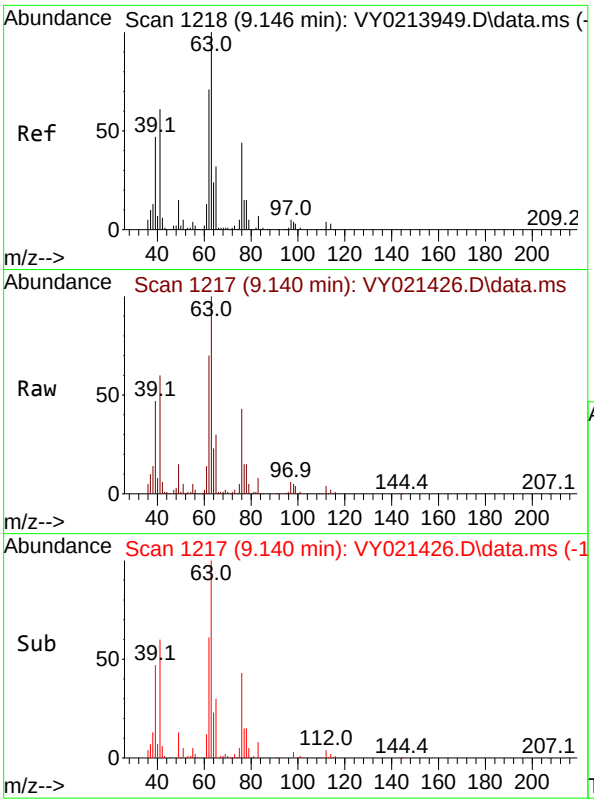


#44
Trichloroethene
Concen: 49.358 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:130 Resp: 131758

Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	191.6





#45
1,2-Dichloropropane
Concen: 51.738 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 63 Resp: 13007

Ion	Ratio	Lower	Upper
63	100		
65	30.1	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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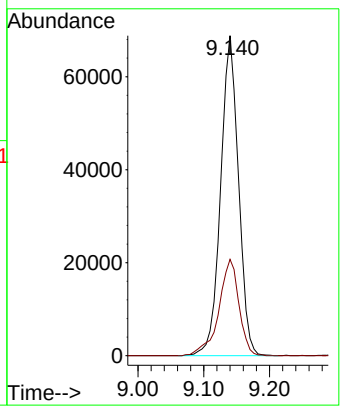
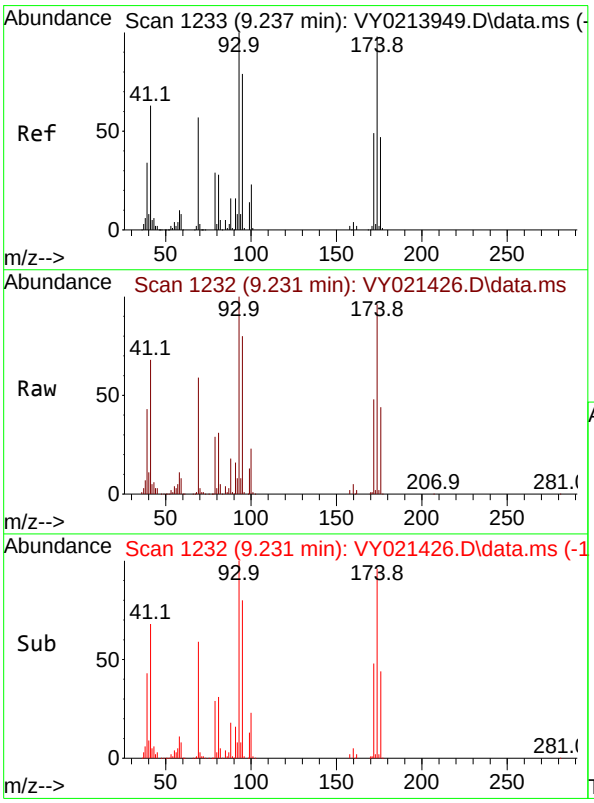
Supervised By :Semsettin Yesilyurt 03/07/2025

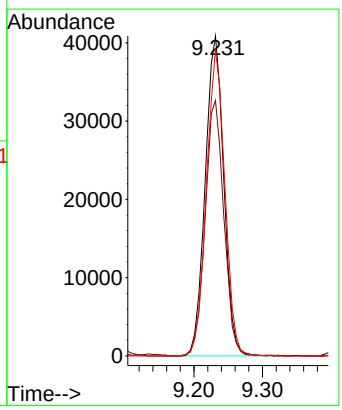


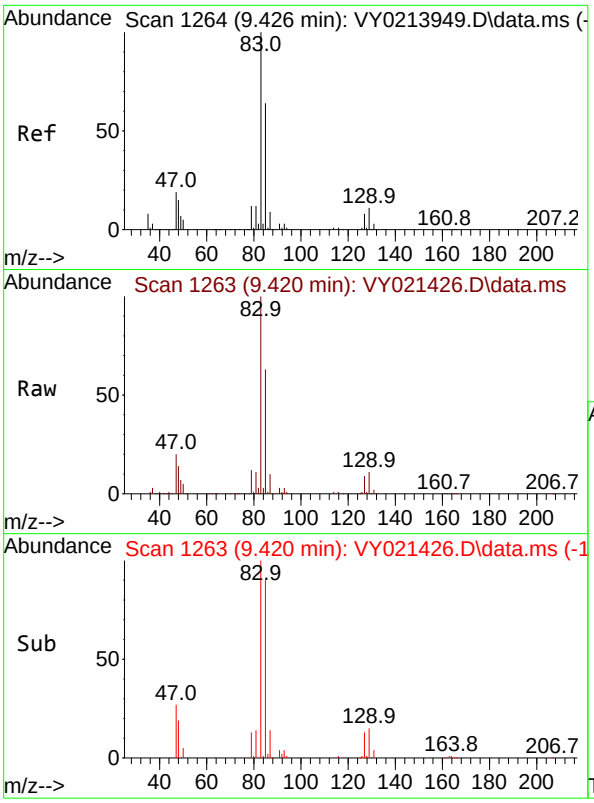


#46
Dibromomethane
Concen: 55.018 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 93 Resp: 76964

Ion	Ratio	Lower	Upper
93	100		
95	80.5	65.8	98.8
174	95.1	77.9	116.9

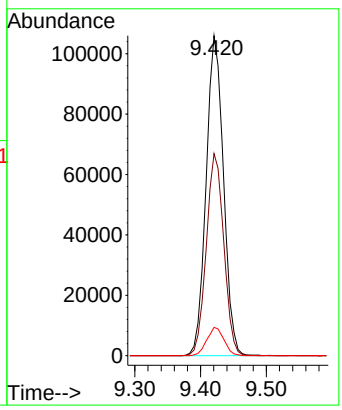




#47
Bromodichloromethane
Concen: 52.398 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 83 Resp: 19466

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	8.9	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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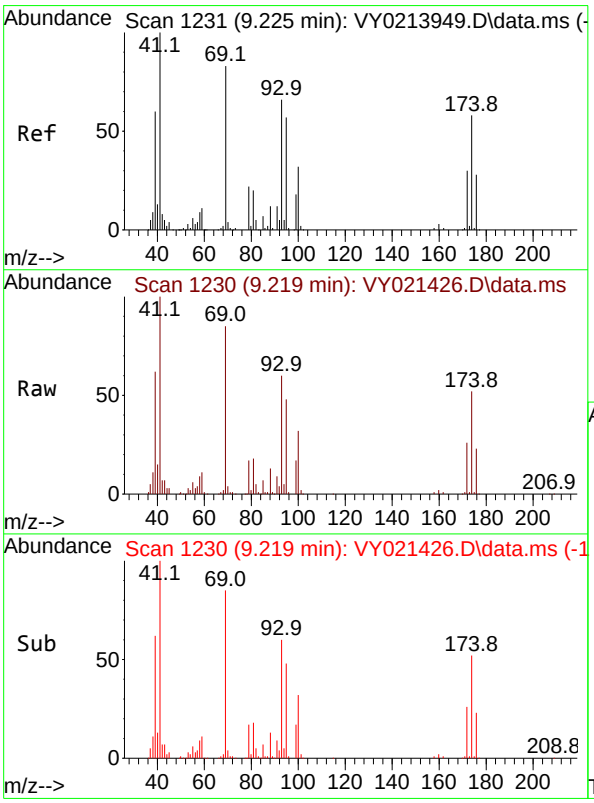
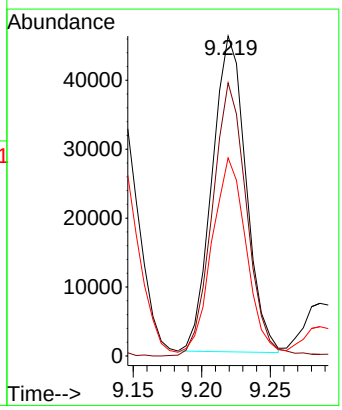
Supervised By :Semsettin Yesilyurt 03/07/2025

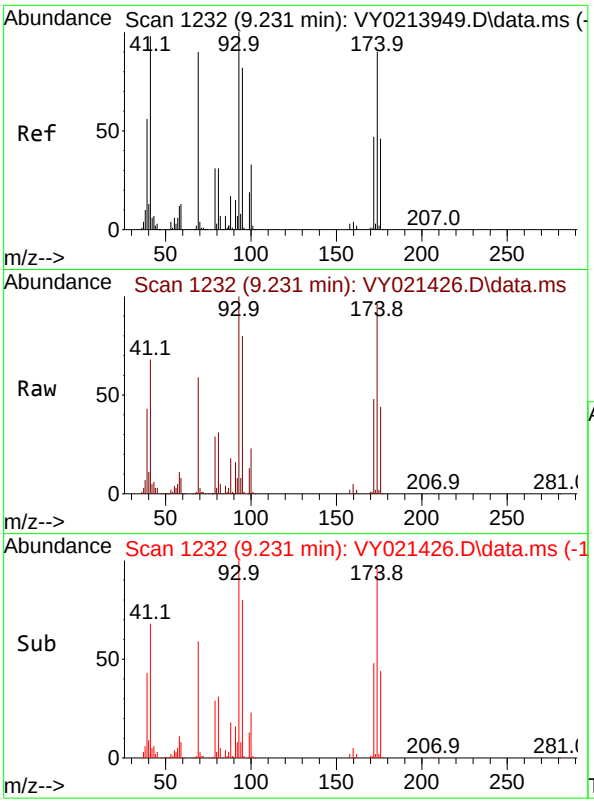


#48
Methyl methacrylate
Concen: 55.808 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 41 Resp: 78849

Ion	Ratio	Lower	Upper
41	100		
69	88.1	67.8	101.8
39	61.6	46.4	69.6





#49
1,4-Dioxane
Concen: 1278.089 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 88 Resp: 1754

Ion	Ratio	Lower	Upper
88	100		
43	31.5	25.0	37.4
58	71.9	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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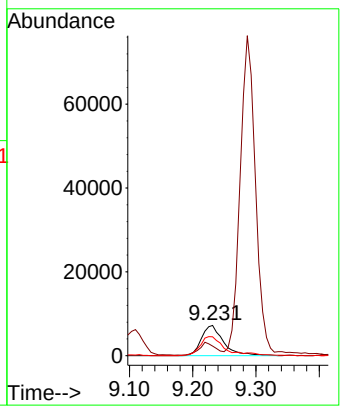
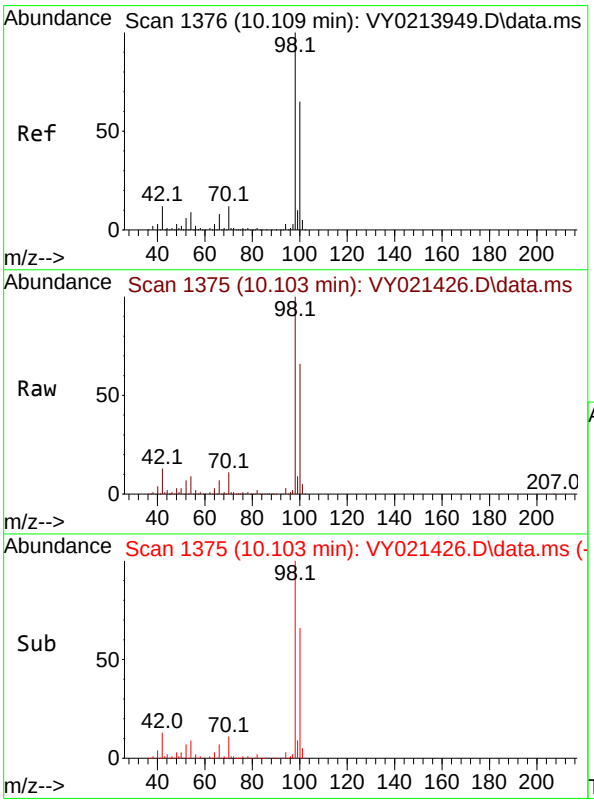
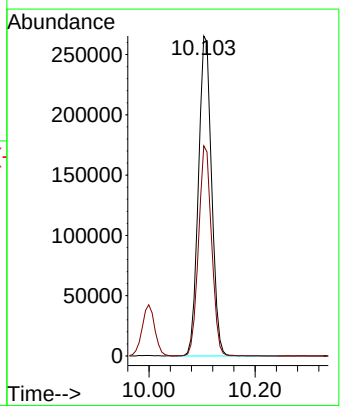


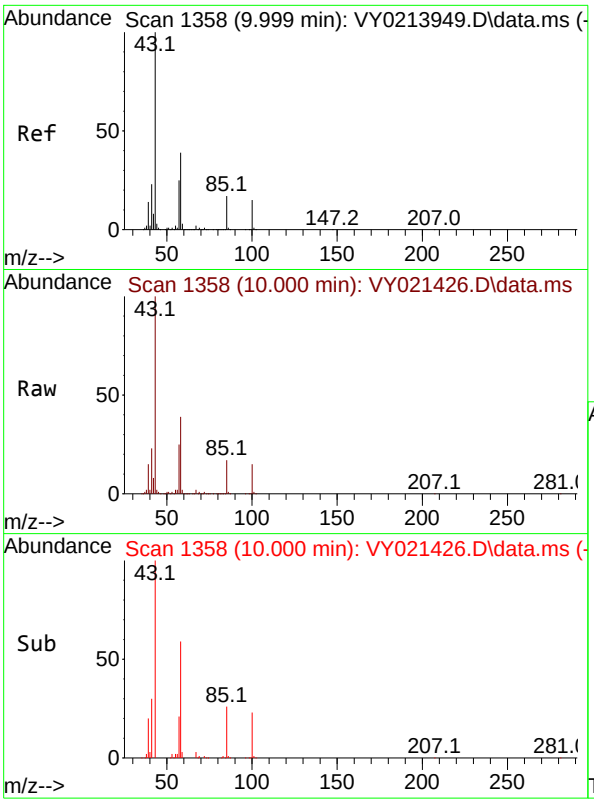


#50
Toluene-d8
Concen: 52.629 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 98 Resp: 456517

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 292.531 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 43 Resp: 46440

Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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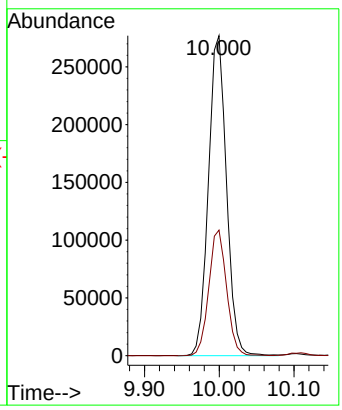
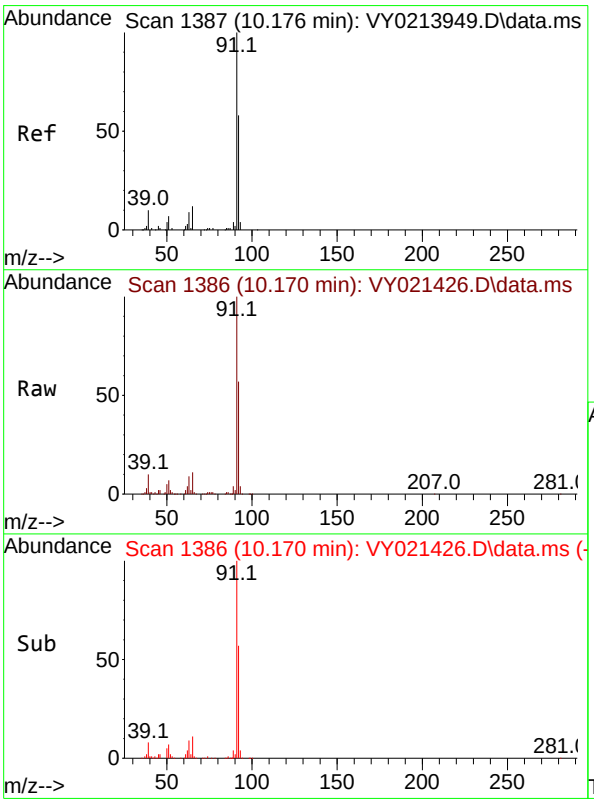
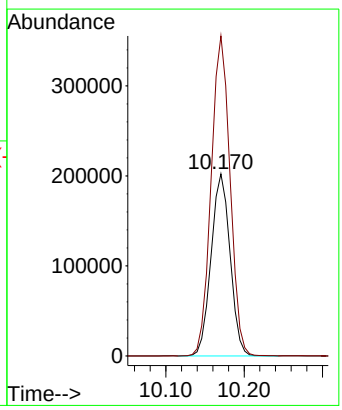


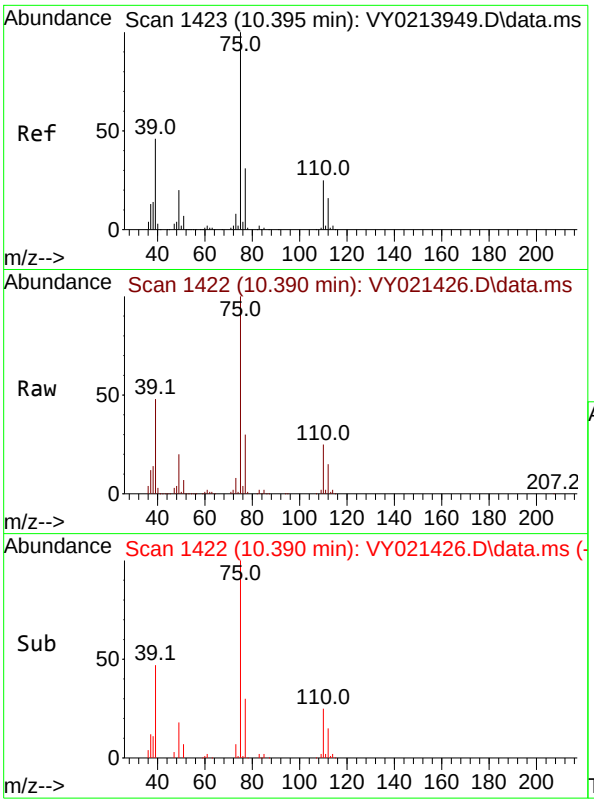


#52
Toluene
Concen: 51.010 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 92 Resp: 339723

Ion	Ratio	Lower	Upper
92	100		
91	175.8	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 54.523 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 75 Resp: 17845

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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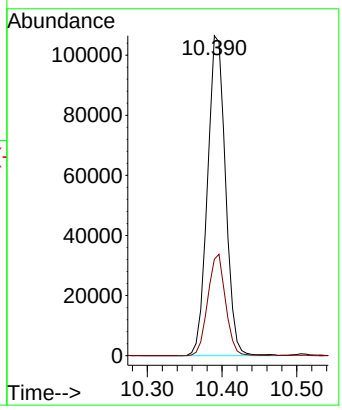
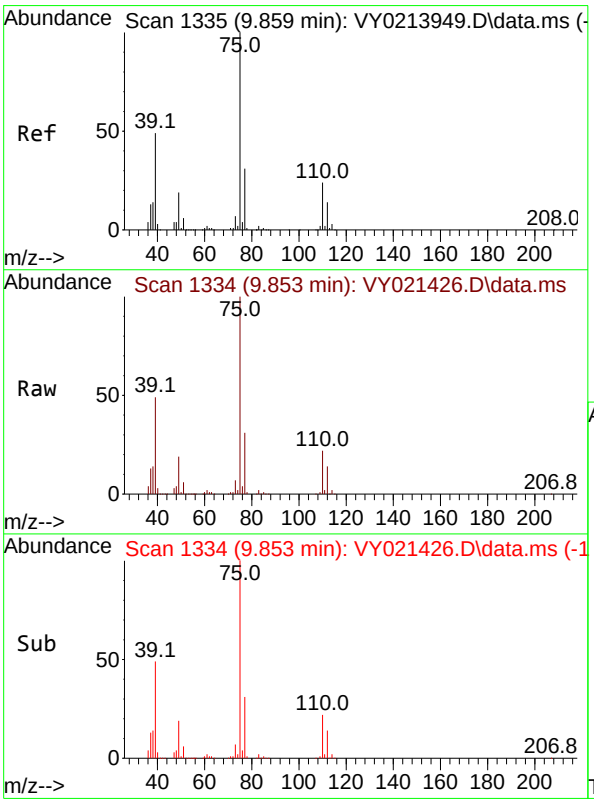
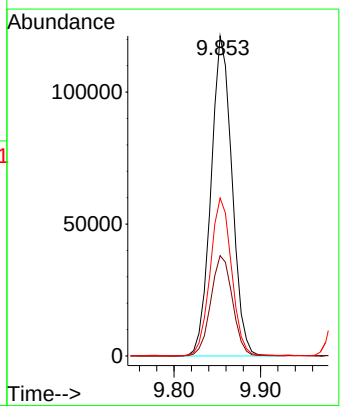


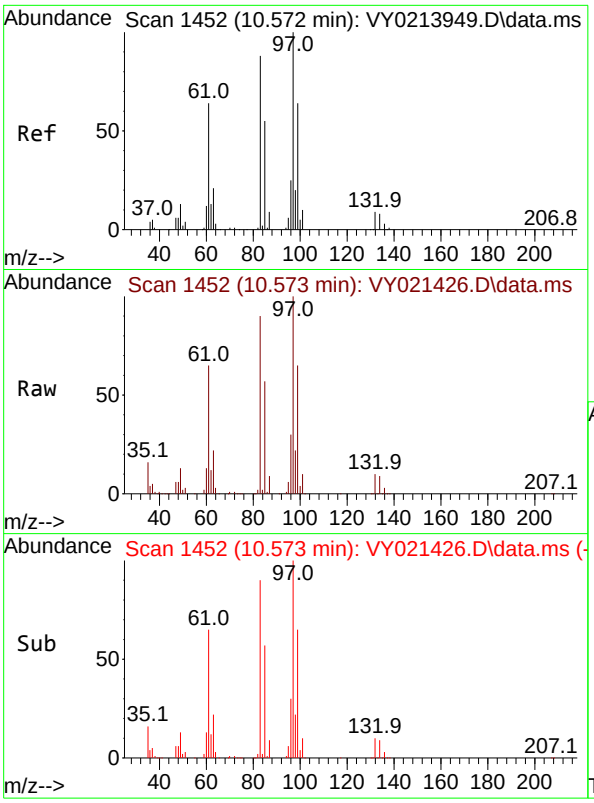


#54
cis-1,3-Dichloropropene
Concen: 52.641 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 75 Resp: 204560

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	37.0
39	49.3	39.4	59.2

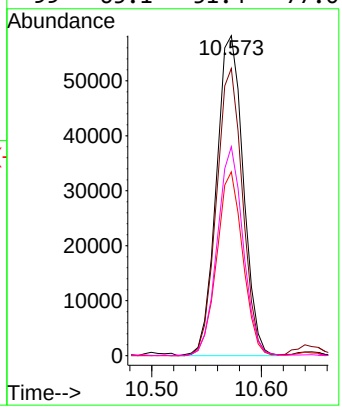




#55
1,1,2-Trichloroethane
Concen: 54.258 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 97 Resp: 9928

Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.0	105.0
85	57.5	44.3	66.5
99	65.1	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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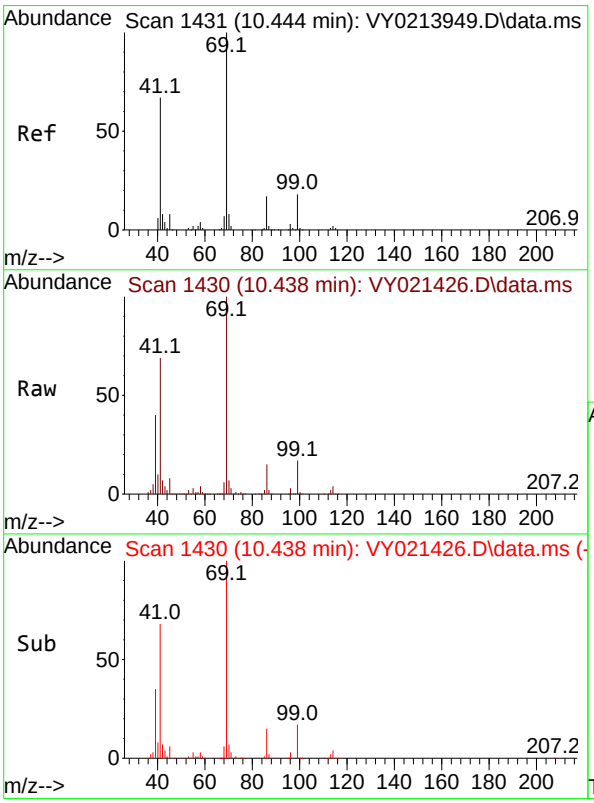
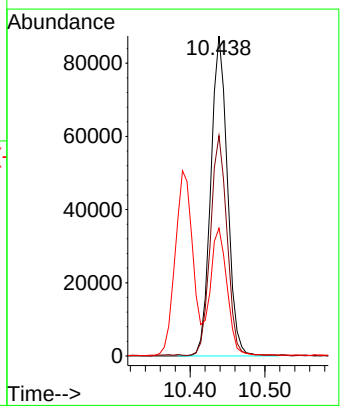
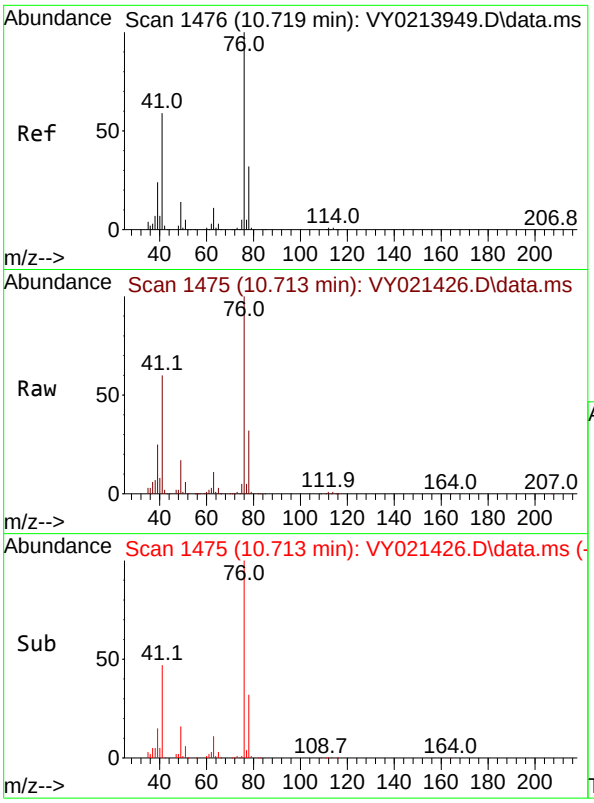


#56
Ethyl methacrylate
Concen: 57.967 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 69 Resp: 135282

Ion	Ratio	Lower	Upper
69	100		
41	68.5	53.3	79.9
39	40.2	31.0	46.6





#57
1,3-Dichloropropane
Concen: 54.296 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 76 Resp: 17220

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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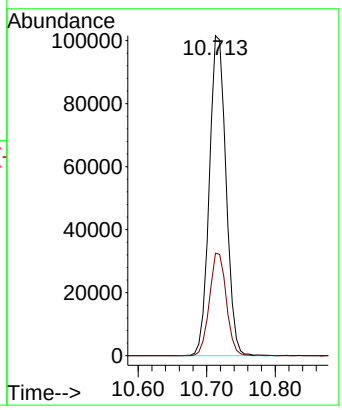
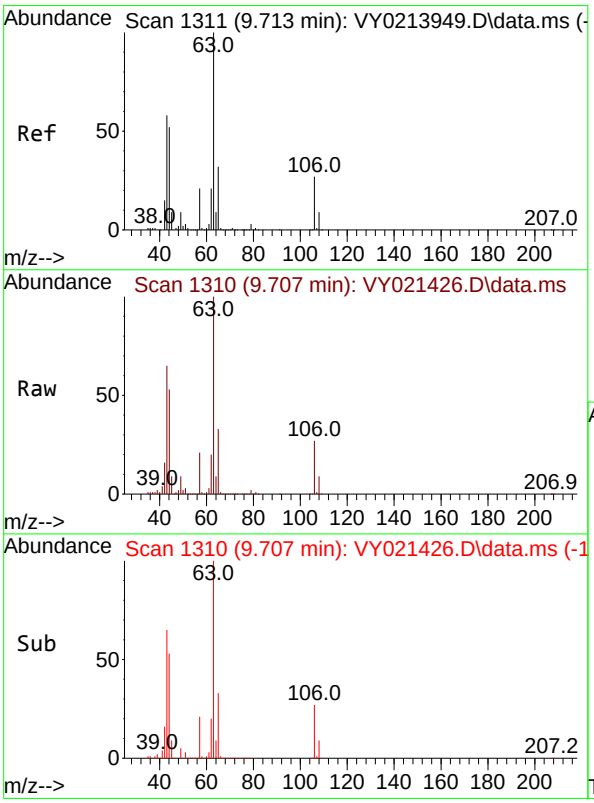
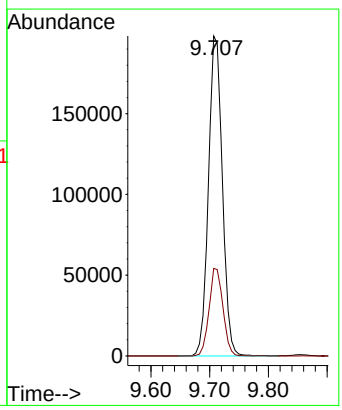


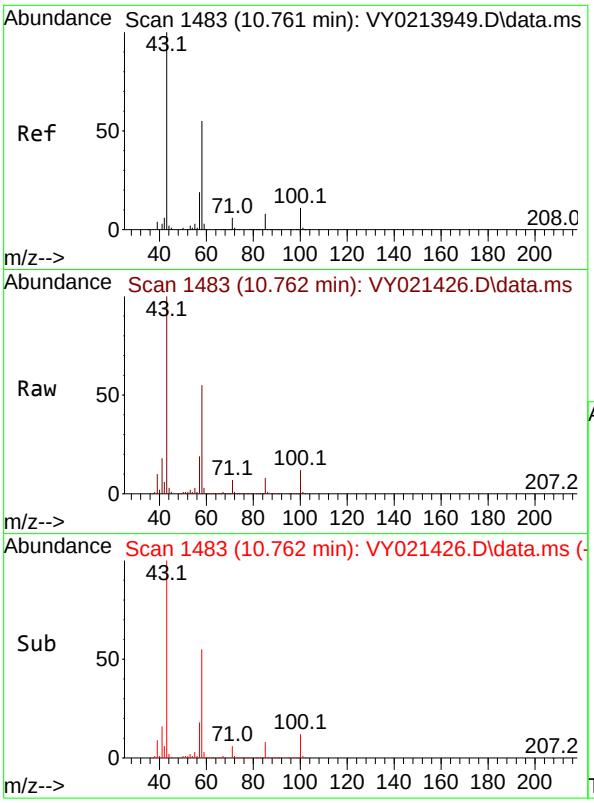


#58
2-Chloroethyl Vinyl ether
Concen: 302.700 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 63 Resp: 326106

Ion	Ratio	Lower	Upper
63	100		
106	27.2	22.1	33.1





#59
2-Hexanone
Concen: 298.994 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 43 Resp: 31386

Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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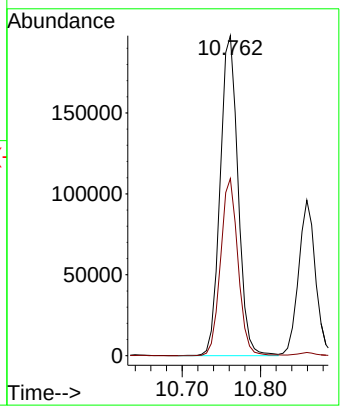
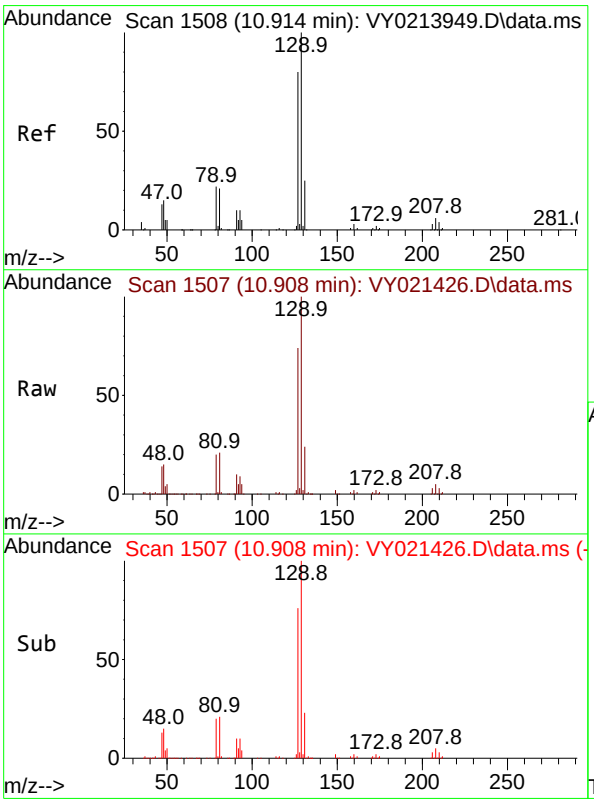
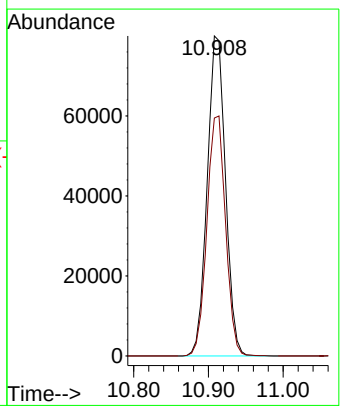


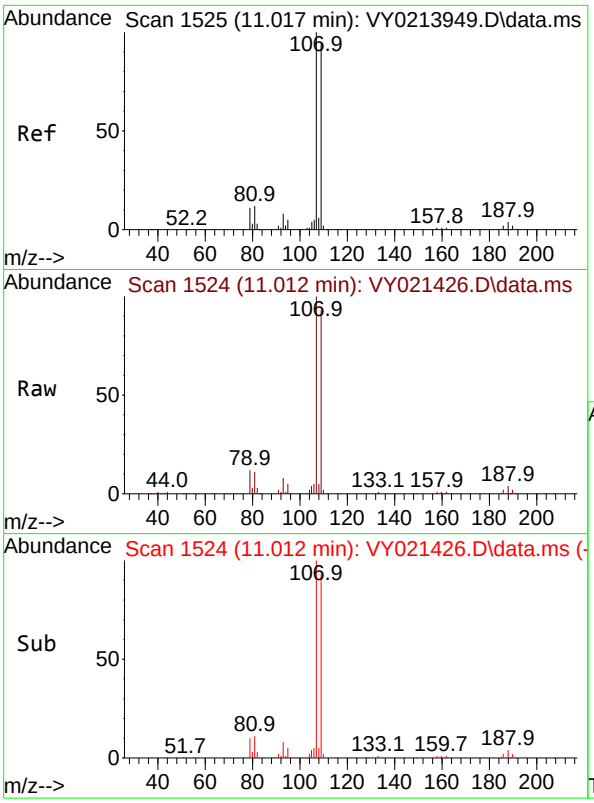


#60
Dibromochloromethane
Concen: 54.286 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:129 Resp: 136186

Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.1	117.3





#61
1,2-Dibromoethane
Concen: 54.483 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:107 Resp: 9409

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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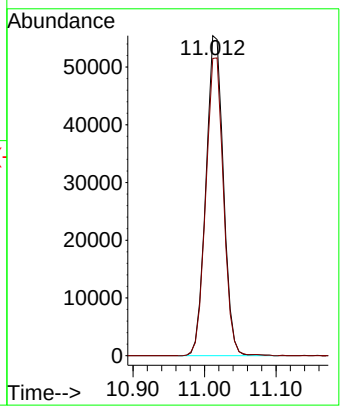
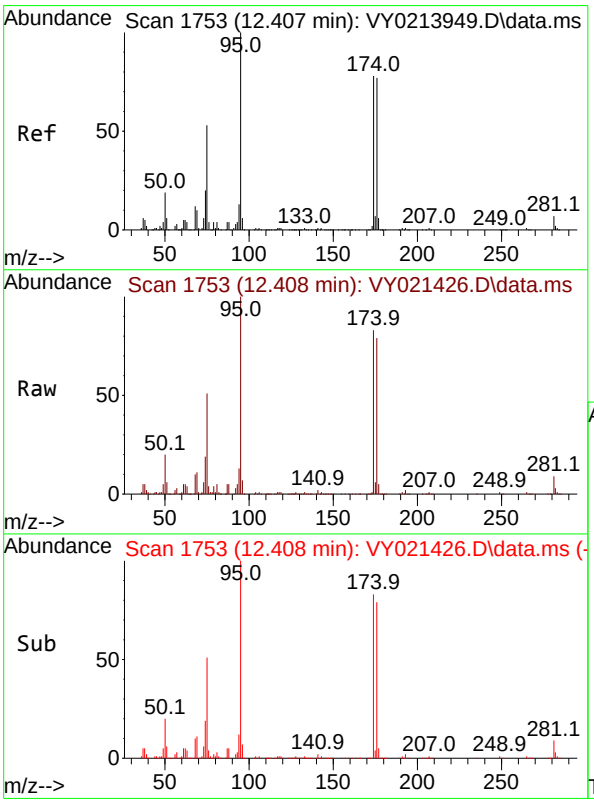
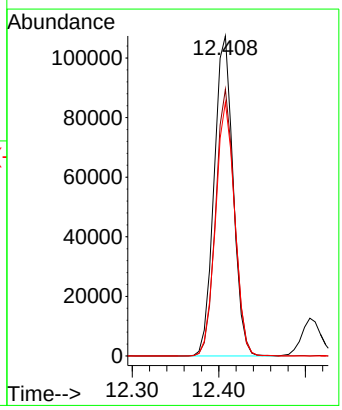


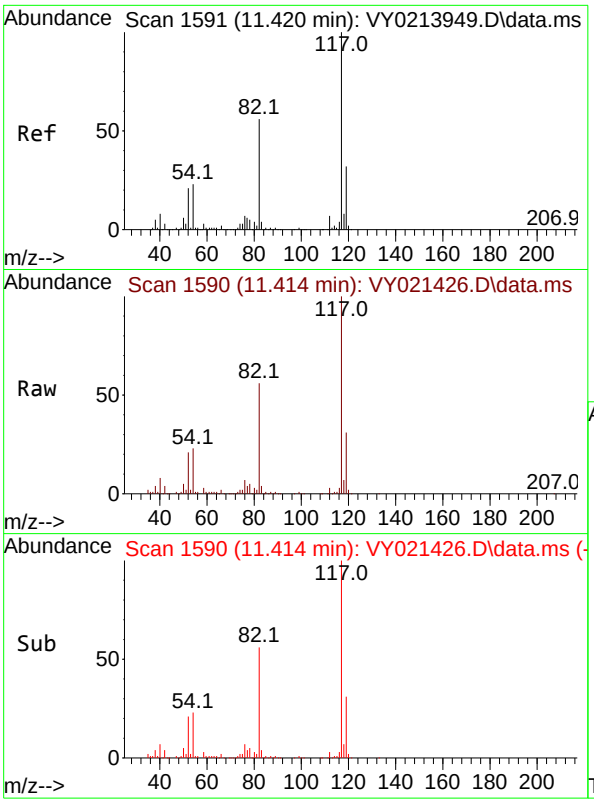


#62
4-Bromofluorobenzene
Concen: 55.397 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 95 Resp: 163454

Ion	Ratio	Lower	Upper
95	100		
174	82.4	0.0	165.0
176	80.0	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:117 Resp: 32142

Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.6	67.0
119	31.2	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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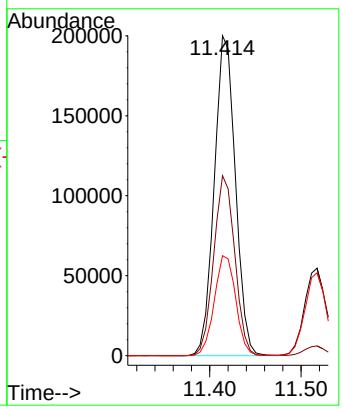
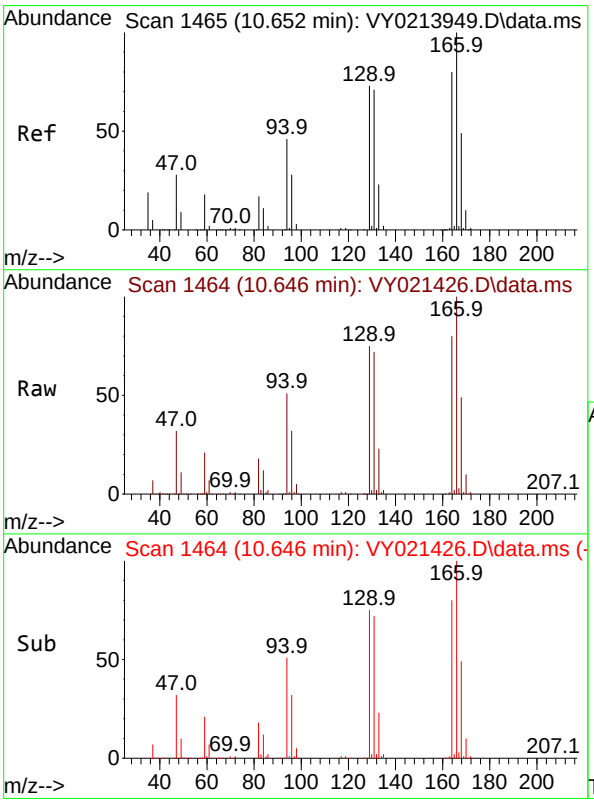
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

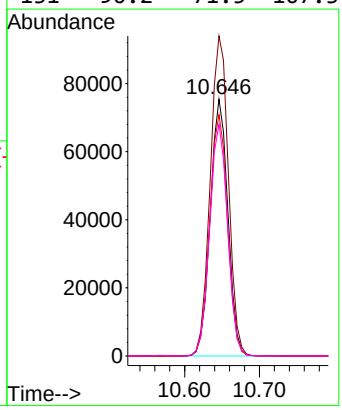


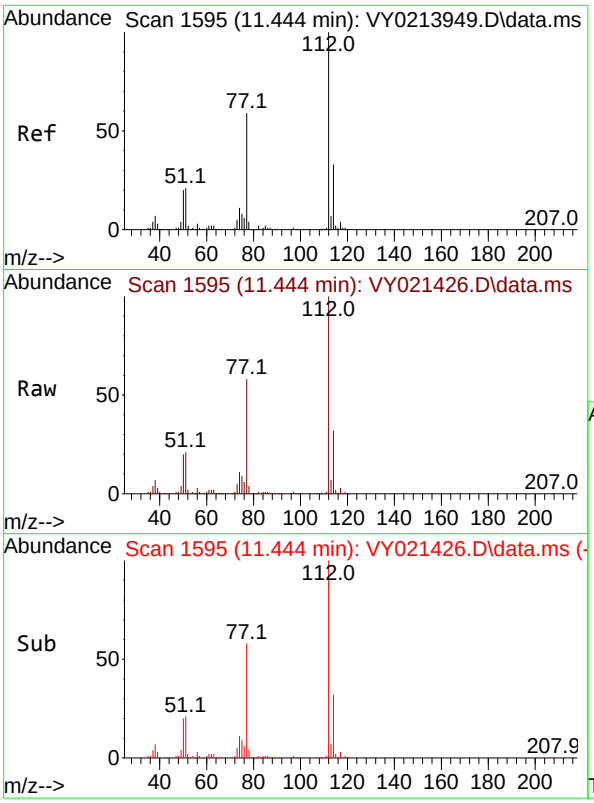


#64
Tetrachloroethene
Concen: 47.271 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:164 Resp: 123553

Ion	Ratio	Lower	Upper
164	100		
166	124.6	100.4	150.6
129	94.0	73.8	110.8
131	90.2	71.5	107.3





#65
Chlorobenzene
Concen: 49.139 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:112 Resp: 37297

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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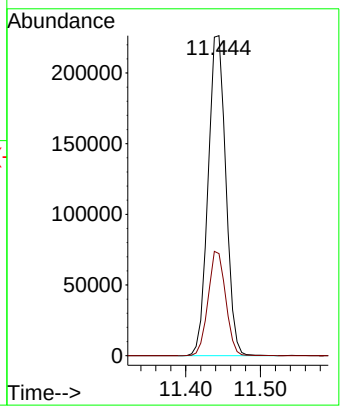
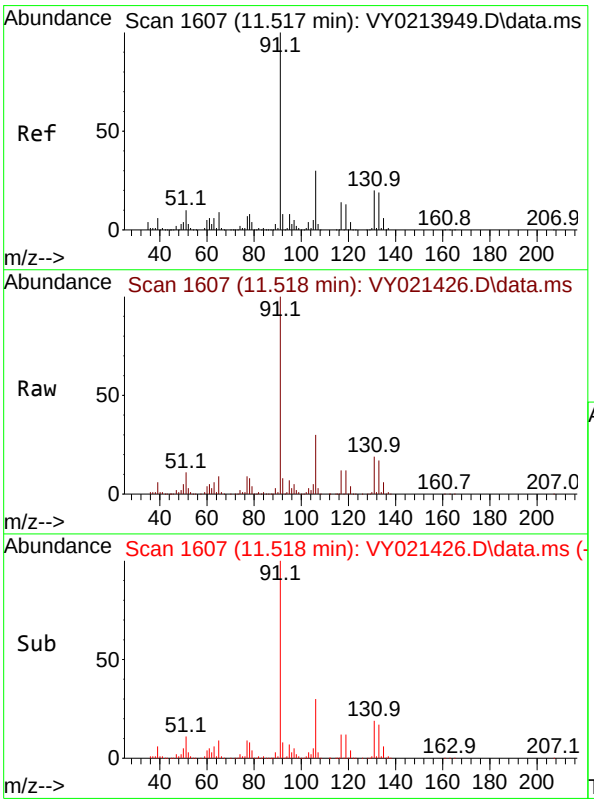
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

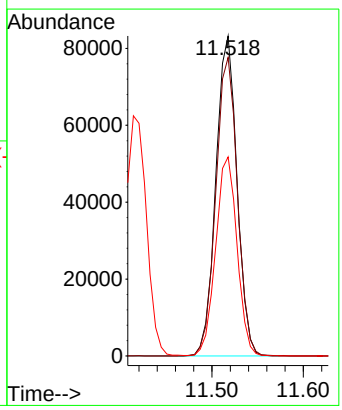


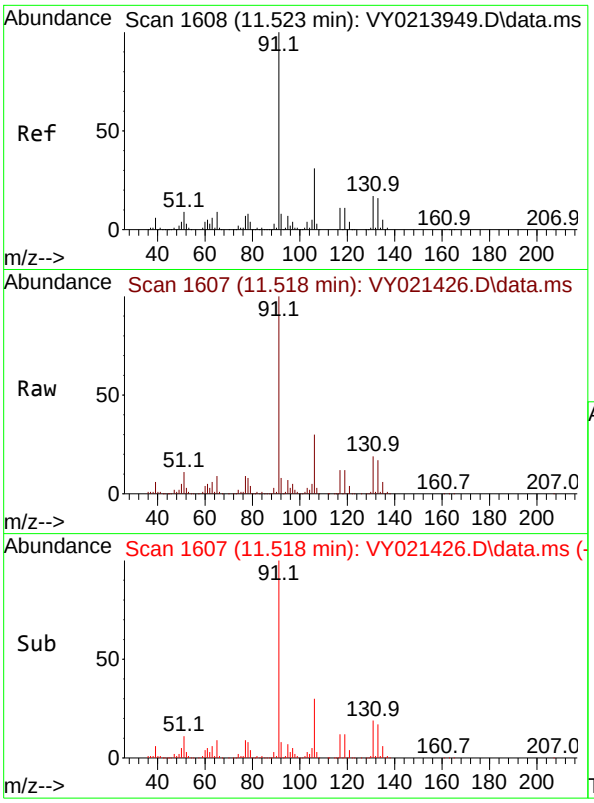


#66
1,1,1,2-Tetrachloroethane
Concen: 49.836 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:131 Resp: 133738

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.6	142.9
119	63.1	32.3	96.9





#67
Ethyl Benzene
Concen: 49.791 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 91 Resp: 66334

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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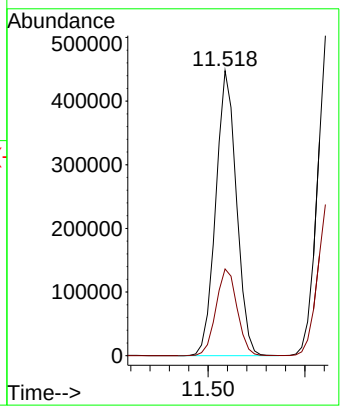
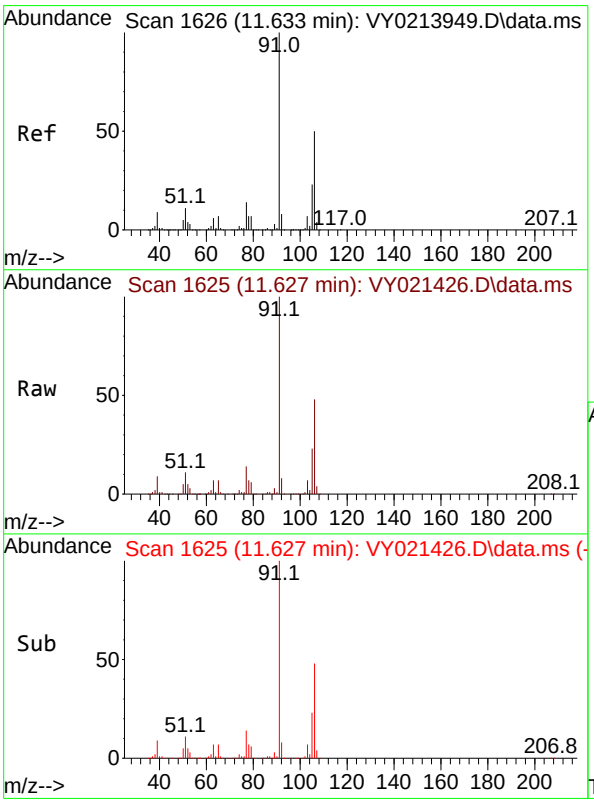
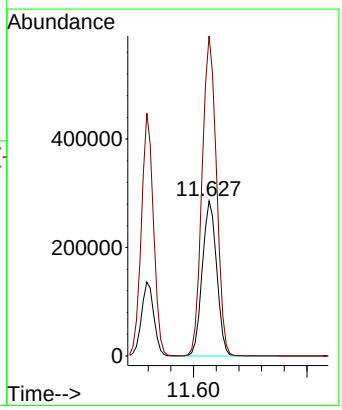


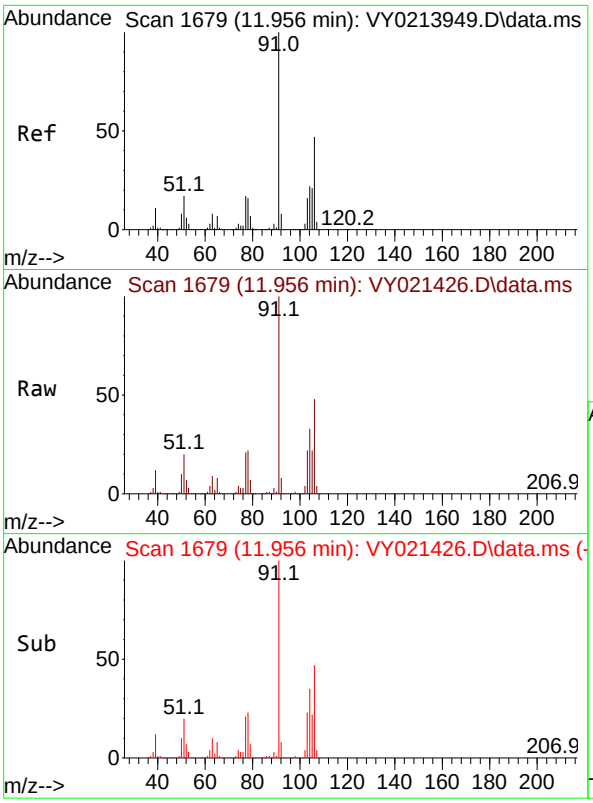


#68
m/p-Xylenes
Concen: 99.700 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:106 Resp: 504274

Ion	Ratio	Lower	Upper
106	100		
91	205.9	161.7	242.5





#69
o-Xylene
Concen: 50.512 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:106 Resp: 23546

Ion	Ratio	Lower	Upper
106	100		
91	215.0	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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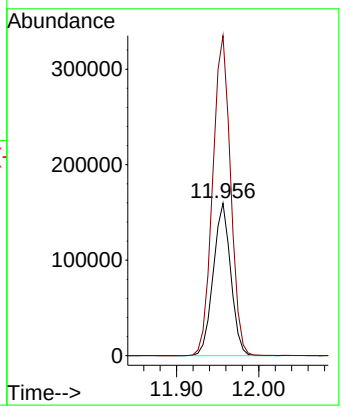
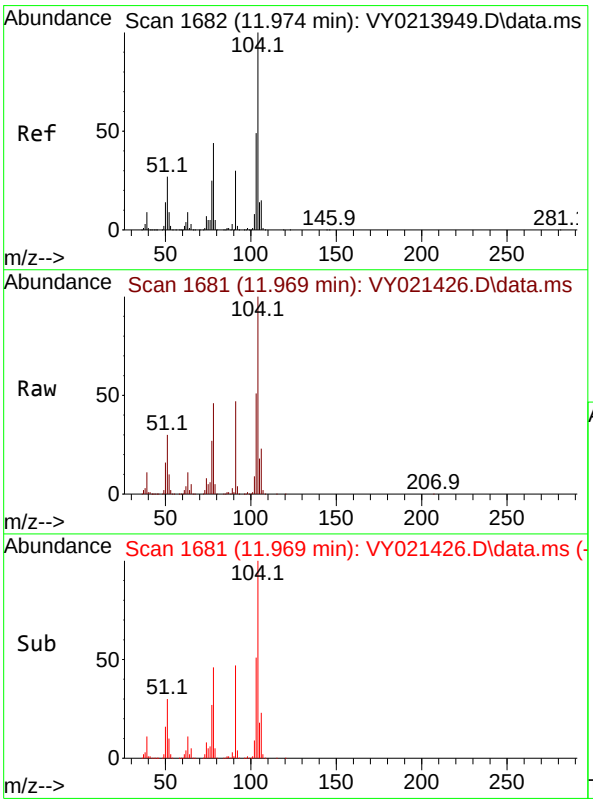
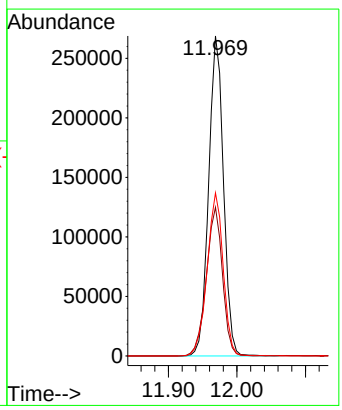


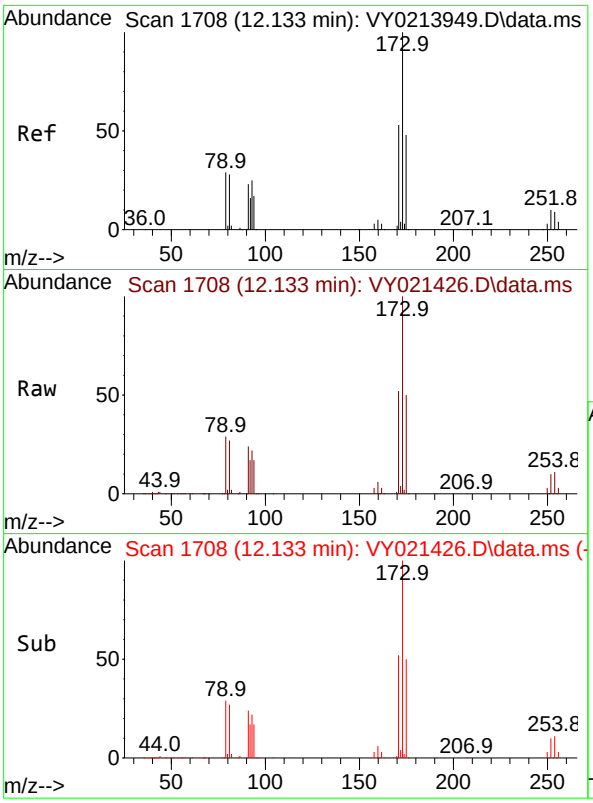


#70
Styrene
Concen: 52.337 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:104 Resp: 404739

Ion	Ratio	Lower	Upper
104	100		
78	50.8	40.7	61.1
103	55.2	44.1	66.1

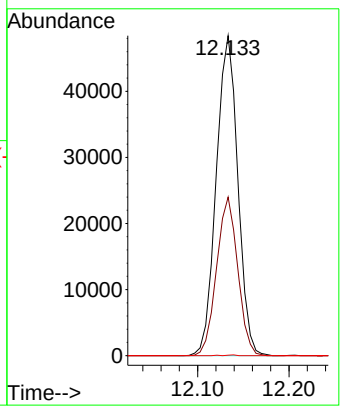




#71
Bromoform
Concen: 52.982 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:173 Resp: 7948

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.9	71.7
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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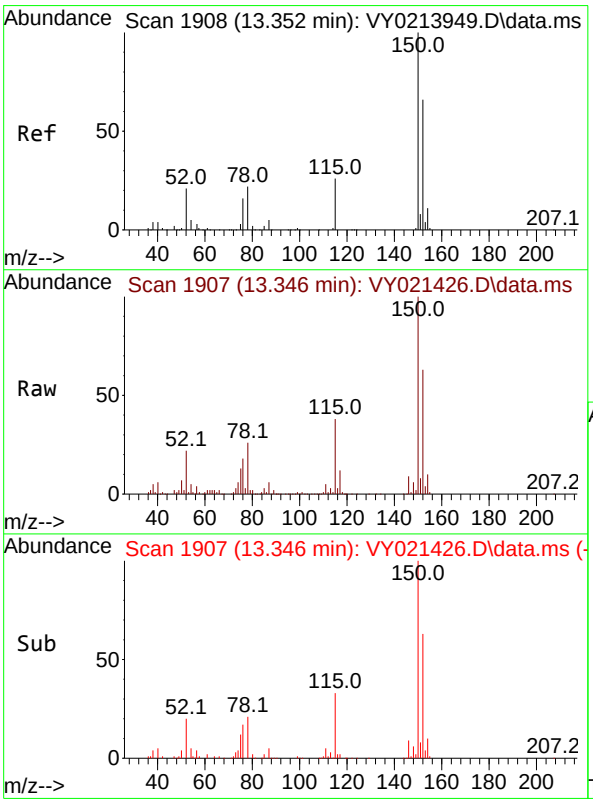
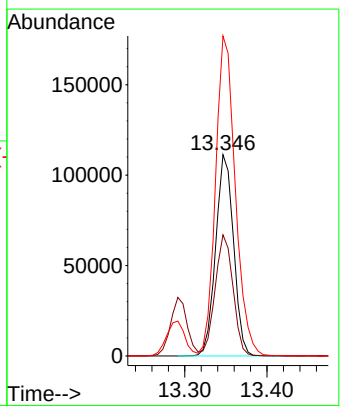
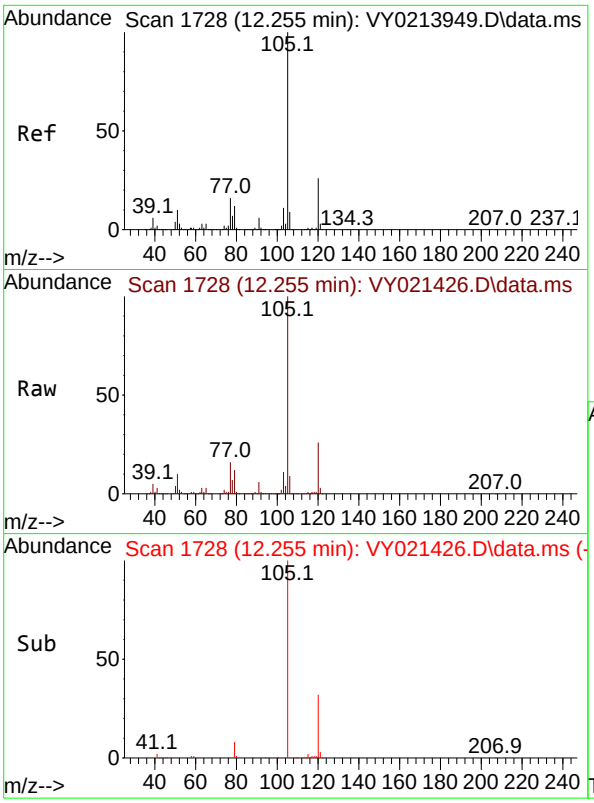


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:152 Resp: 168733

Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.0	87.0
150	175.2	0.0	347.2





#73
Isopropylbenzene
Concen: 46.741 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:105 Resp: 62126

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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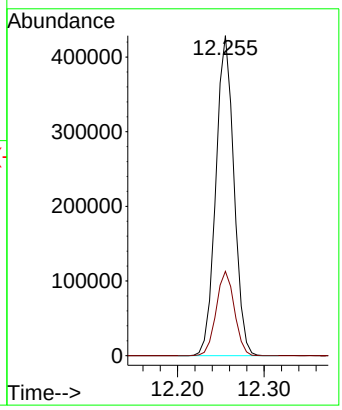
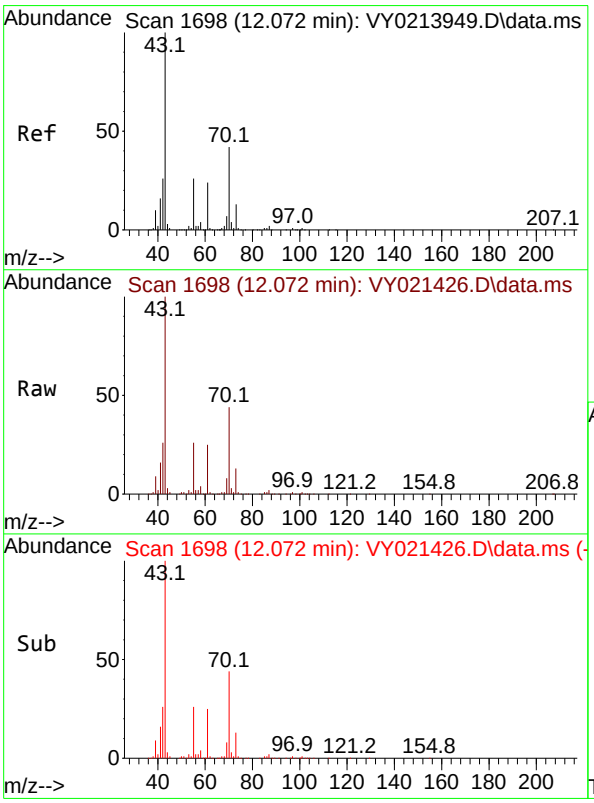
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

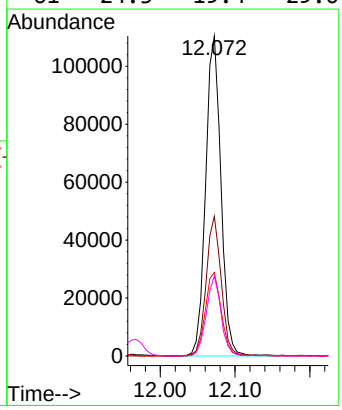


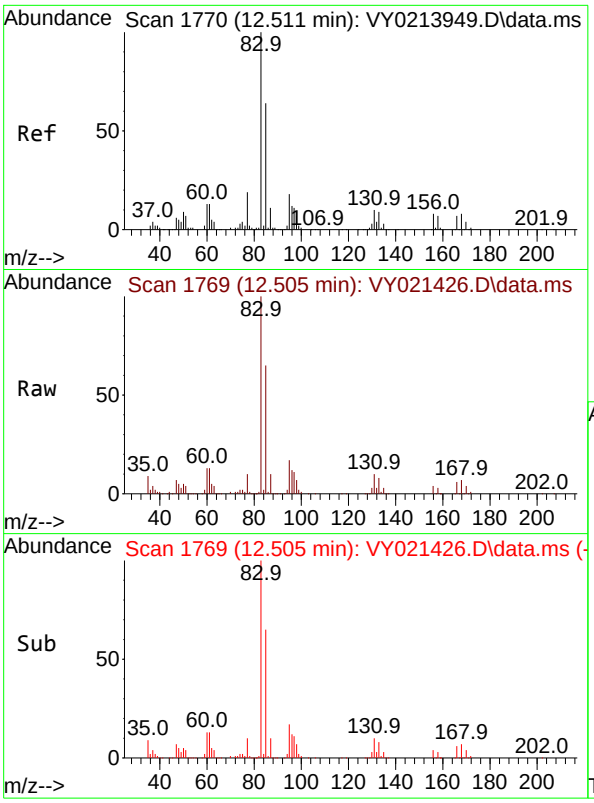


#74
N-amyl acetate
Concen: 54.396 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 43 Resp: 157019

Ion	Ratio	Lower	Upper
43	100		
70	43.0	34.6	51.8
55	27.5	21.1	31.7
61	24.3	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 49.905 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 83 Resp: 11705

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	16.1
85	64.1	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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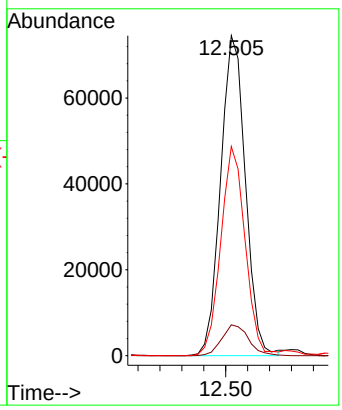
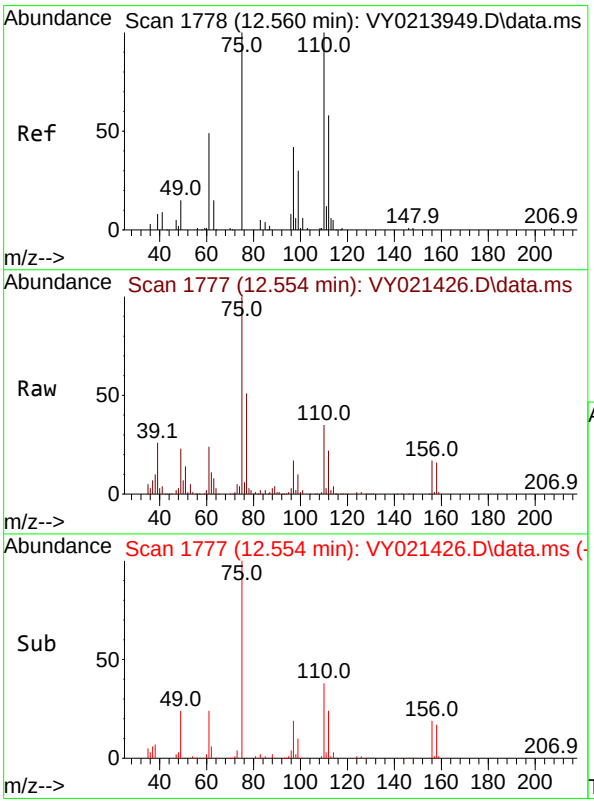
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

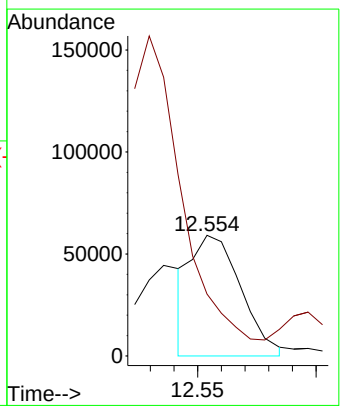


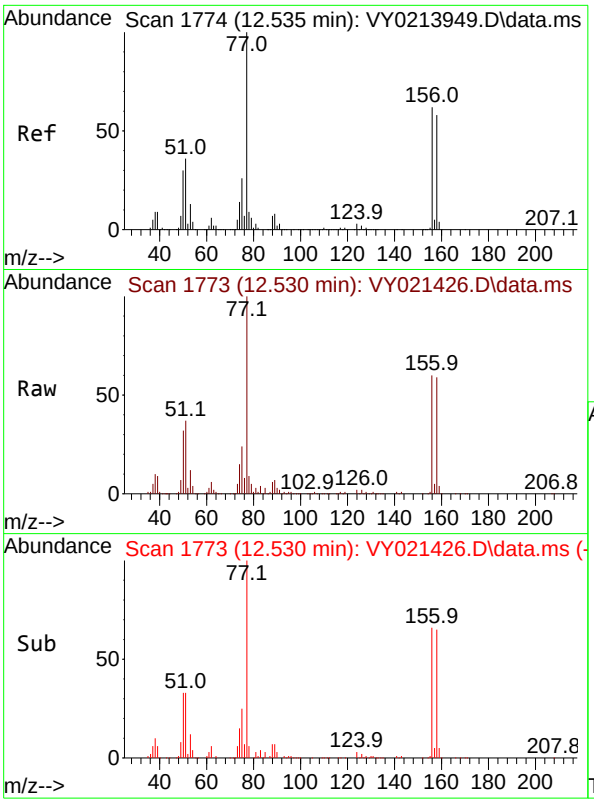


#76
1,2,3-Trichloropropane
Concen: 50.955 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 75 Resp: 86639

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 47.159 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:156 Resp: 14664

Ion	Ratio	Lower	Upper
156	100		
77	188.3	93.6	280.8
158	99.3	48.3	144.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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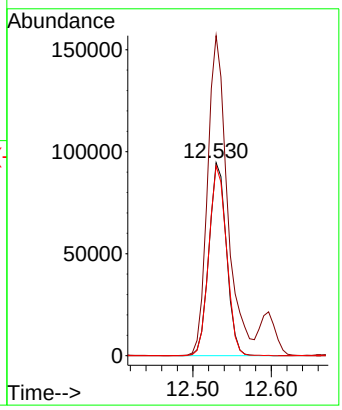
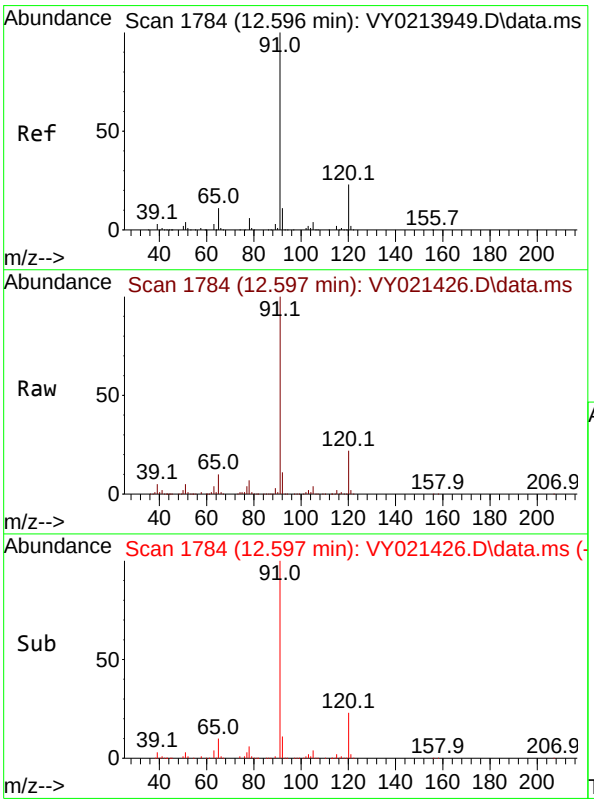
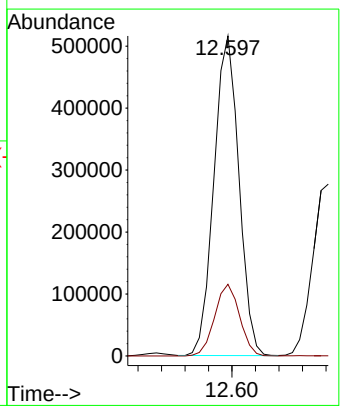


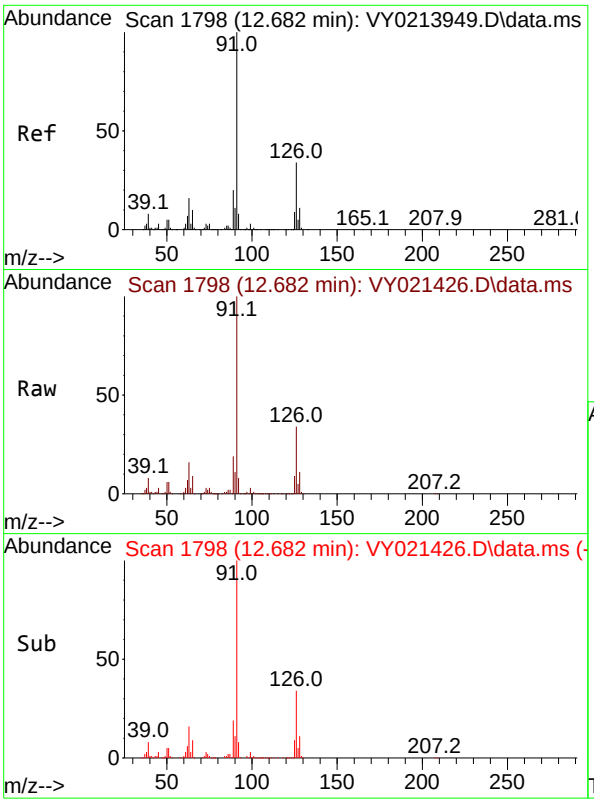


#78
n-propylbenzene
Concen: 47.185 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 91 Resp: 761668

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.8





#79
2-Chlorotoluene
Concen: 47.022 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 91 Resp: 43401

Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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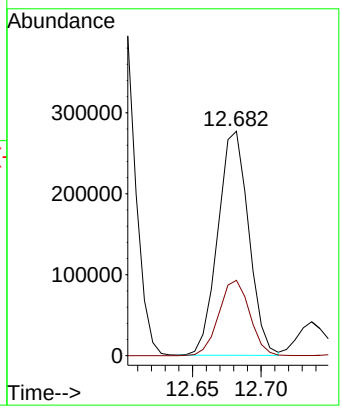
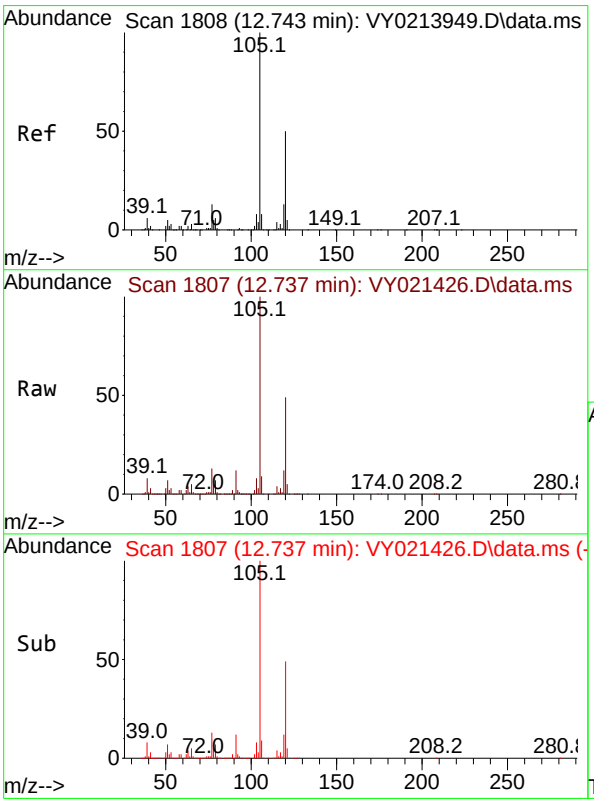
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

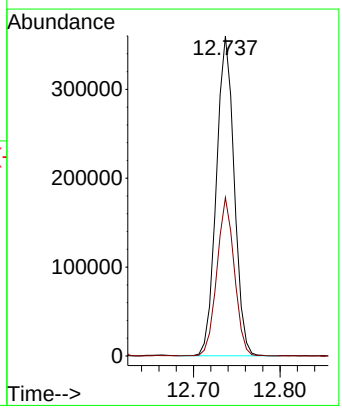


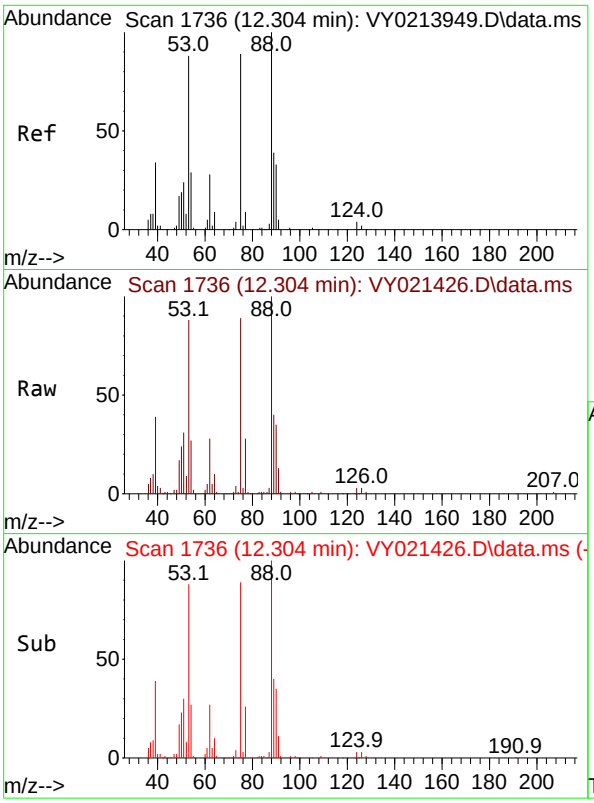


#80
1,3,5-Trimethylbenzene
Concen: 47.512 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:105 Resp: 513200

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 51.814 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

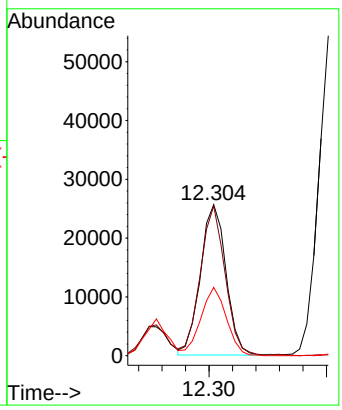
Tgt Ion: 75 Resp: 3875

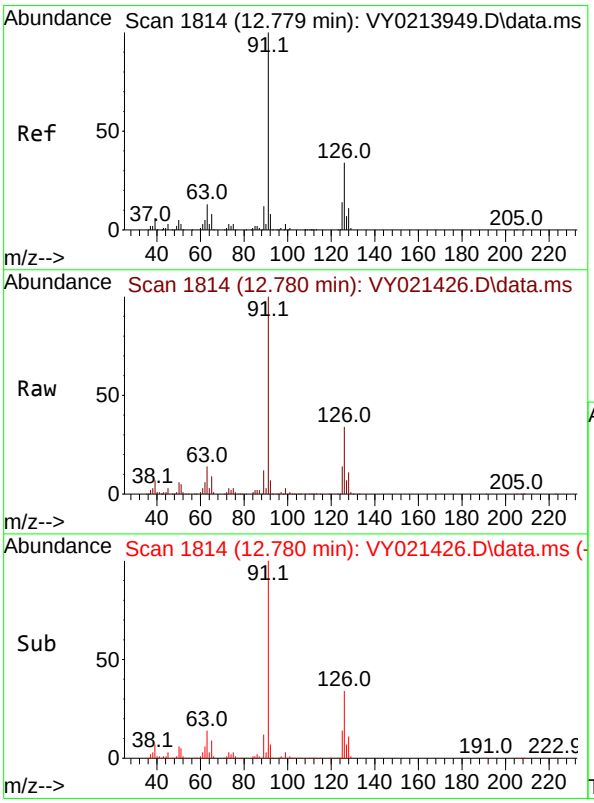
Ion	Ratio	Lower	Upper
75	100		
53	95.9	81.0	121.4
89	45.6	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

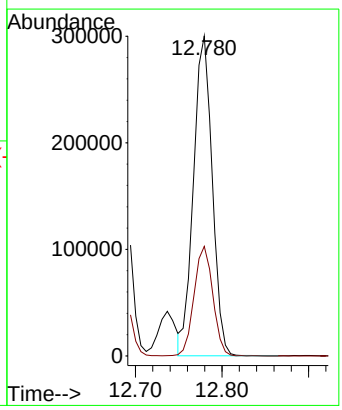


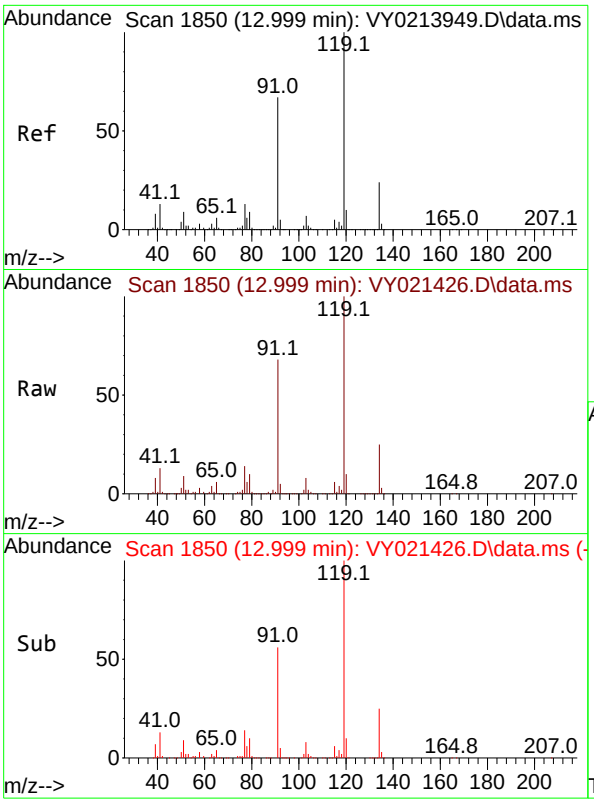


#82
4-Chlorotoluene
Concen: 47.230 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 91 Resp: 451424

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	51.0

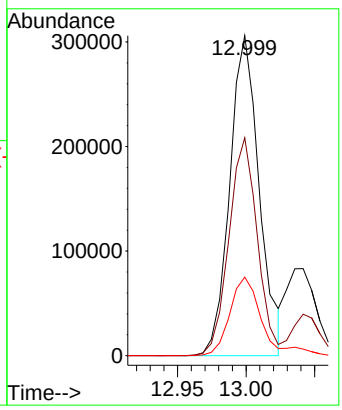




#83
tert-Butylbenzene
Concen: 47.613 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:119 Resp: 45880

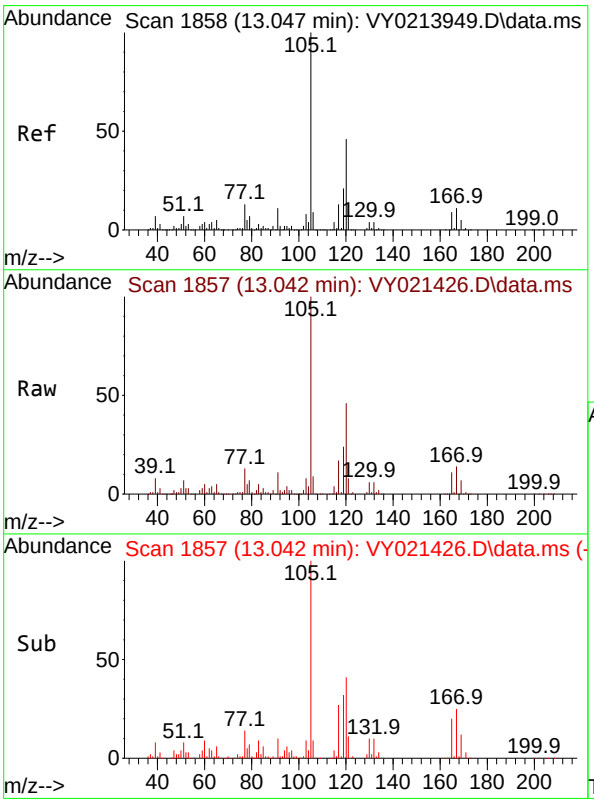
Ion	Ratio	Lower	Upper
119	100		
91	65.3	33.2	99.6
134	26.6	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

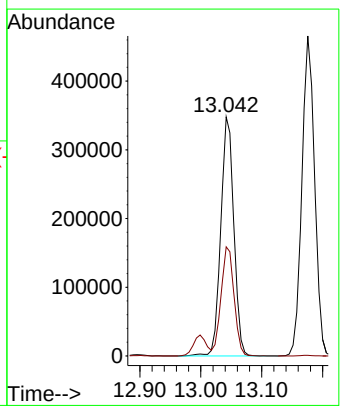
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

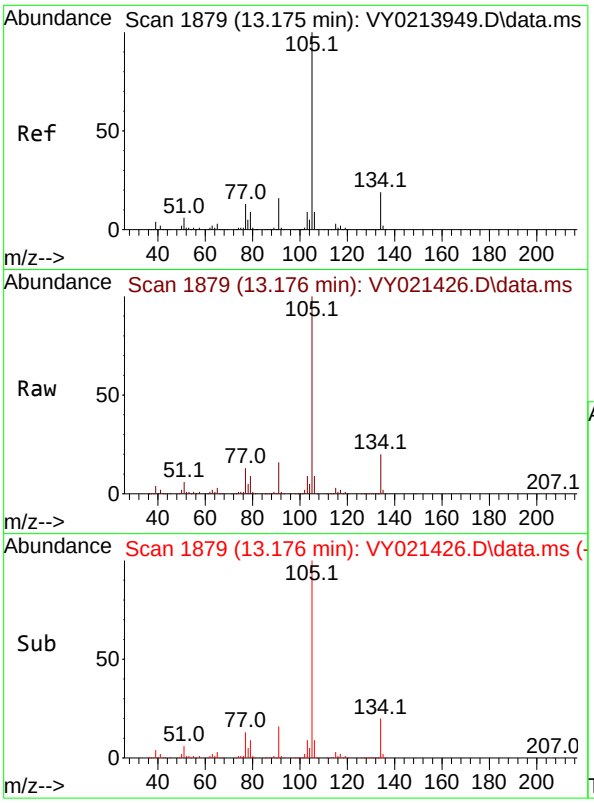


#84
1,2,4-Trimethylbenzene
Concen: 48.169 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:105 Resp: 516598

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1





#85
sec-Butylbenzene
Concen: 46.928 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

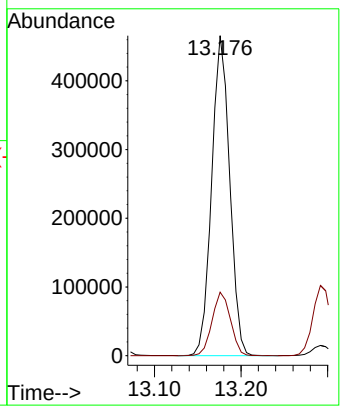
Tgt Ion:105 Resp: 67280

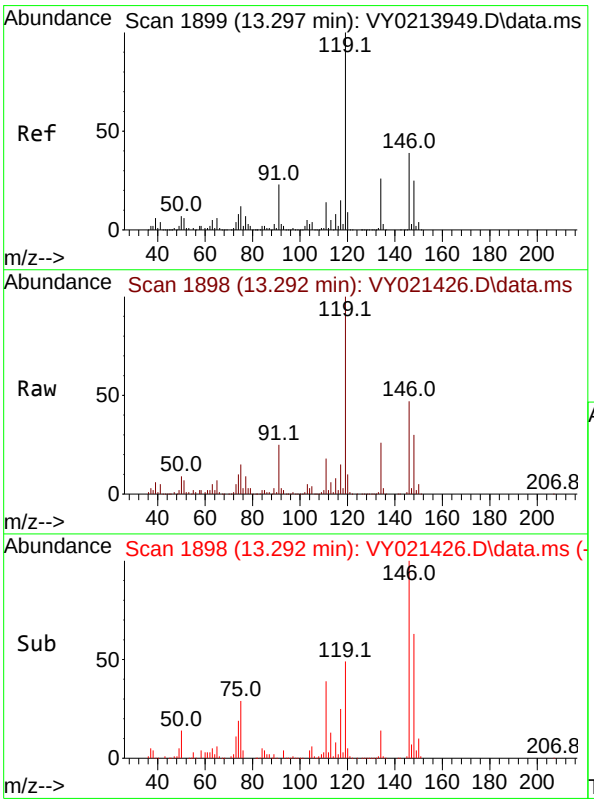
Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

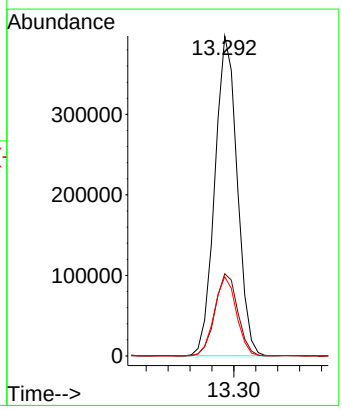


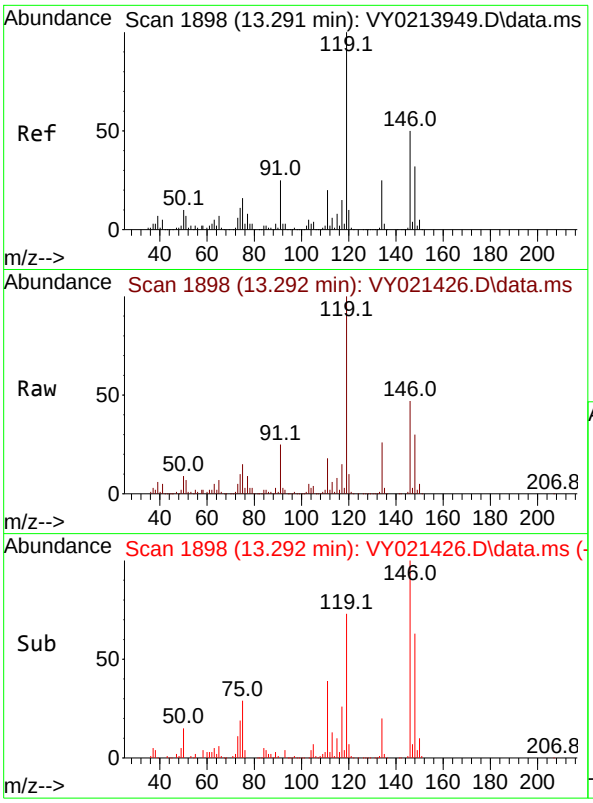


#86
p-Isopropyltoluene
Concen: 47.642 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:119 Resp: 562725

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	24.3	12.2	36.6

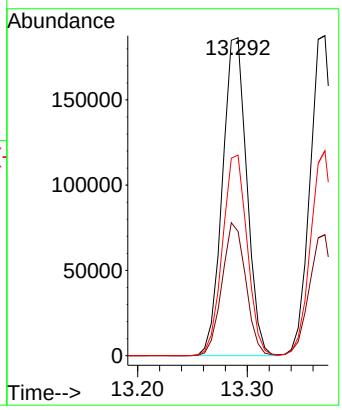




#87
1,3-Dichlorobenzene
Concen: 46.614 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:146 Resp: 28852

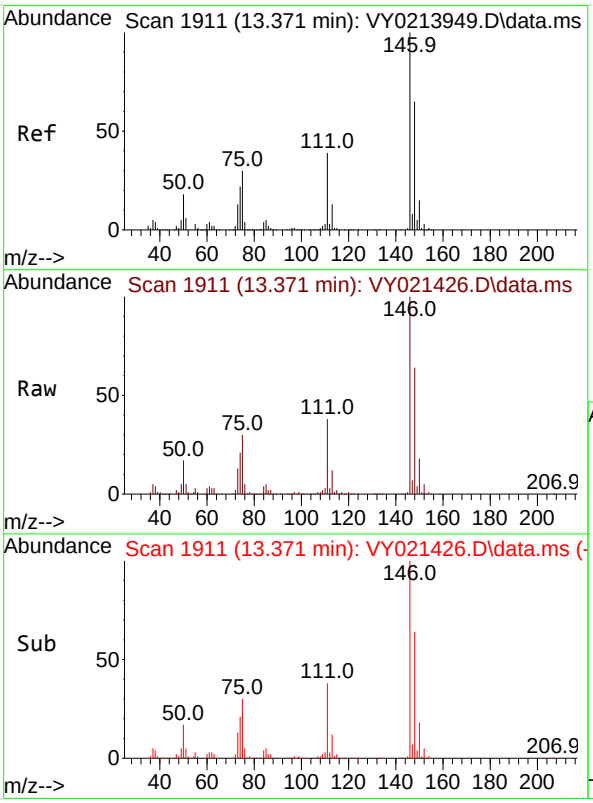
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	63.9	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

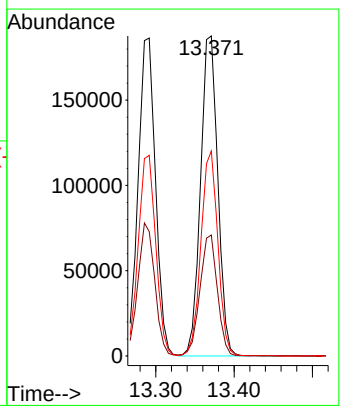
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

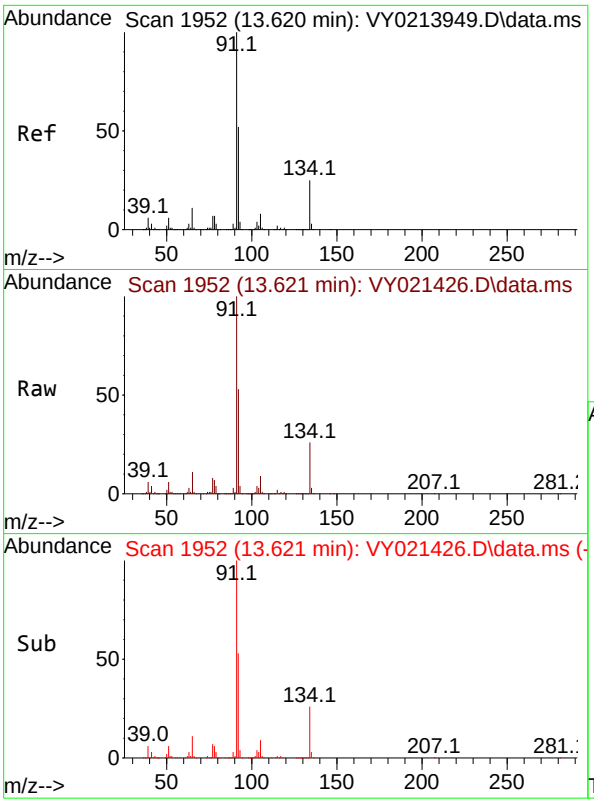


#88
1,4-Dichlorobenzene
Concen: 47.394 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:146 Resp: 286896

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.6	58.8
148	63.0	32.3	96.8

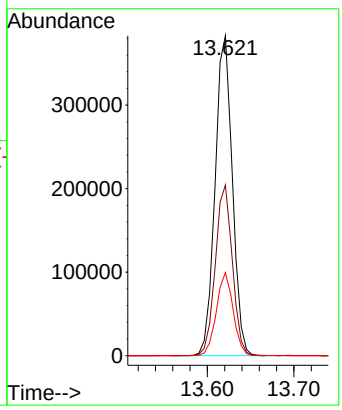




#89
n-Butylbenzene
Concen: 48.645 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 91 Resp: 53055

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.3
134	25.2	12.6	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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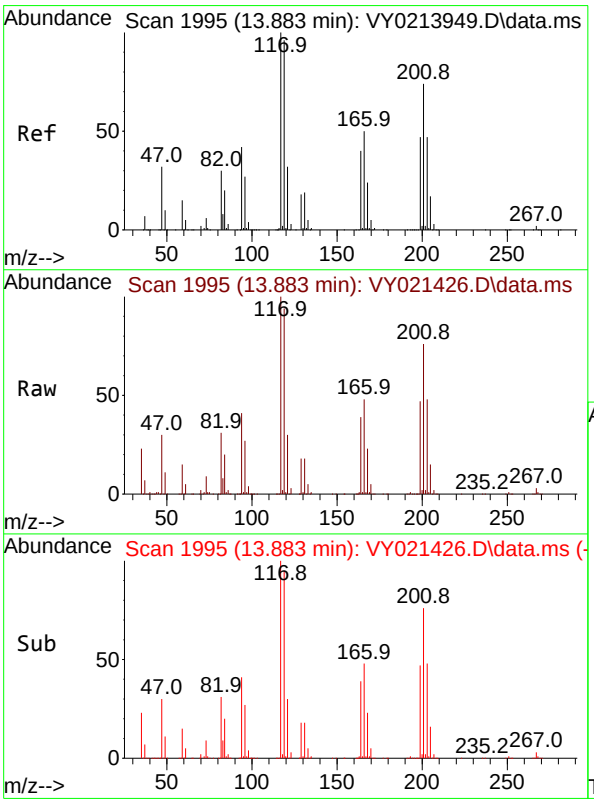
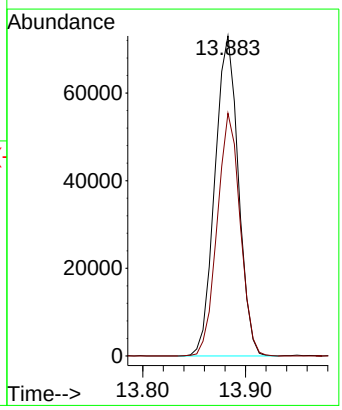
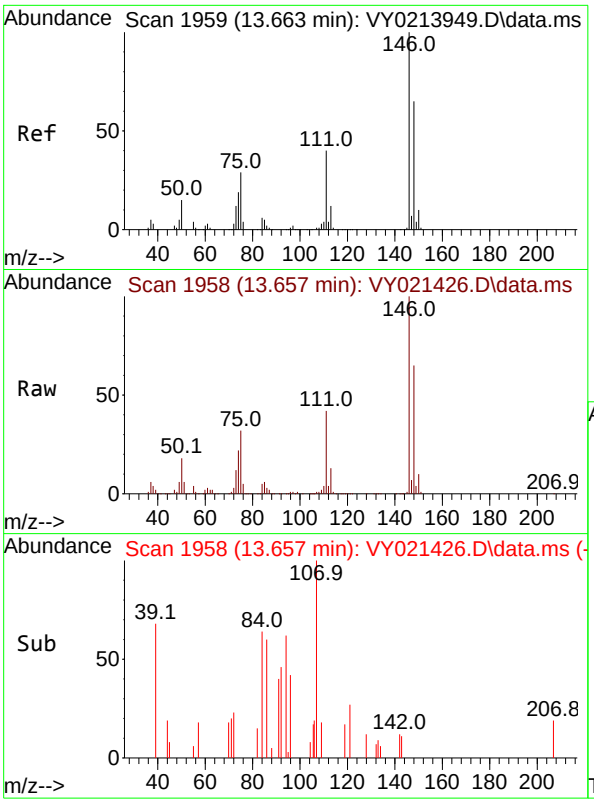


#90
Hexachloroethane
Concen: 45.929 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:117 Resp: 115729

Ion	Ratio	Lower	Upper
117	100		
201	74.1	37.4	112.2

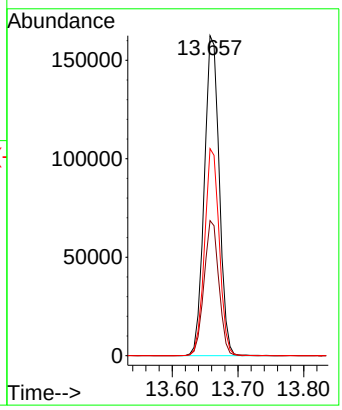




#91
1,2-Dichlorobenzene
Concen: 48.350 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:146 Resp: 25650

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	63.6	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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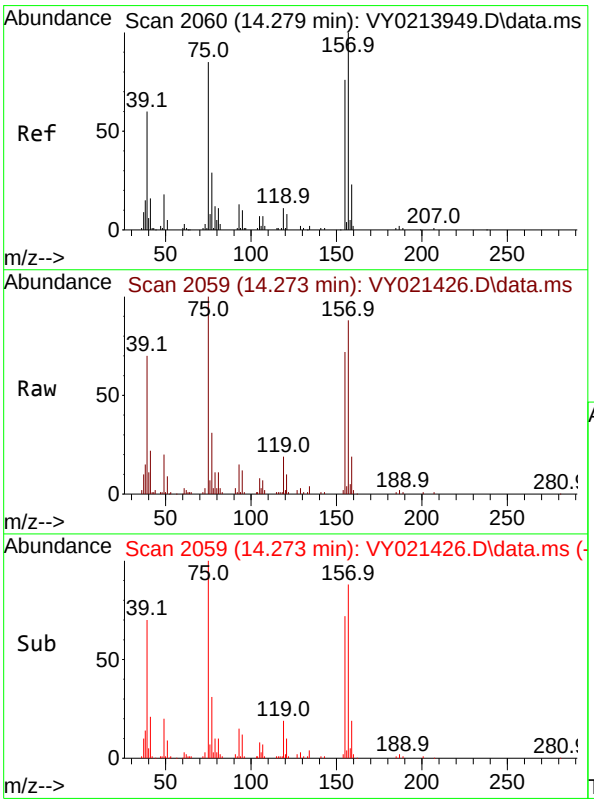
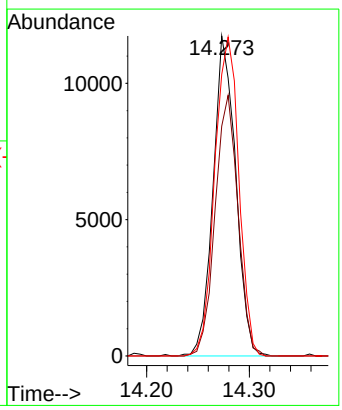
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

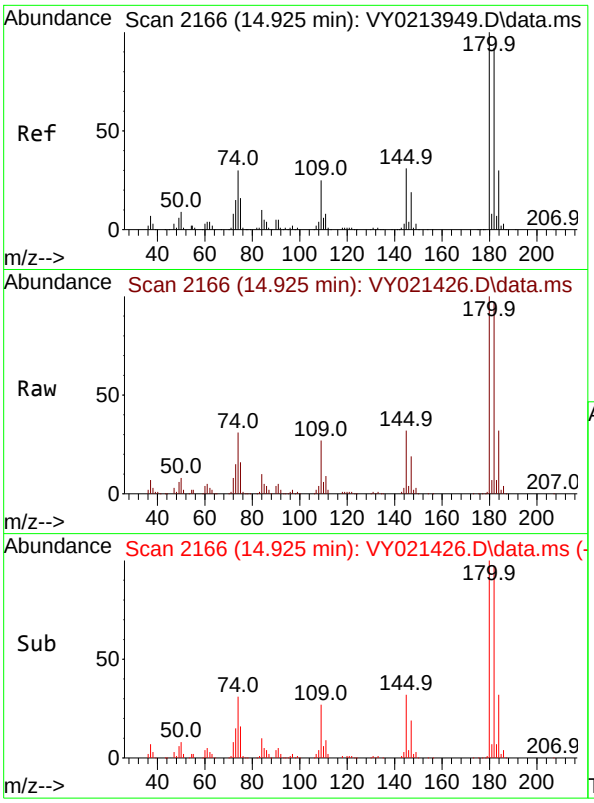


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.779 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion: 75 Resp: 17841

Ion	Ratio	Lower	Upper
75	100		
155	82.7	43.5	130.5
157	106.5	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 49.844 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:180 Resp: 14443

Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.7	140.0
145	31.2	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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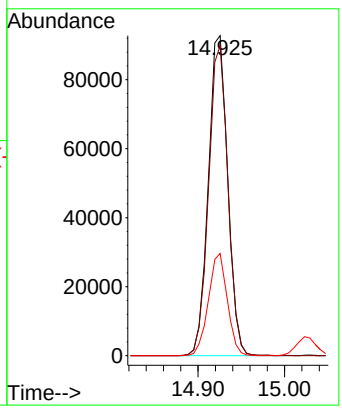
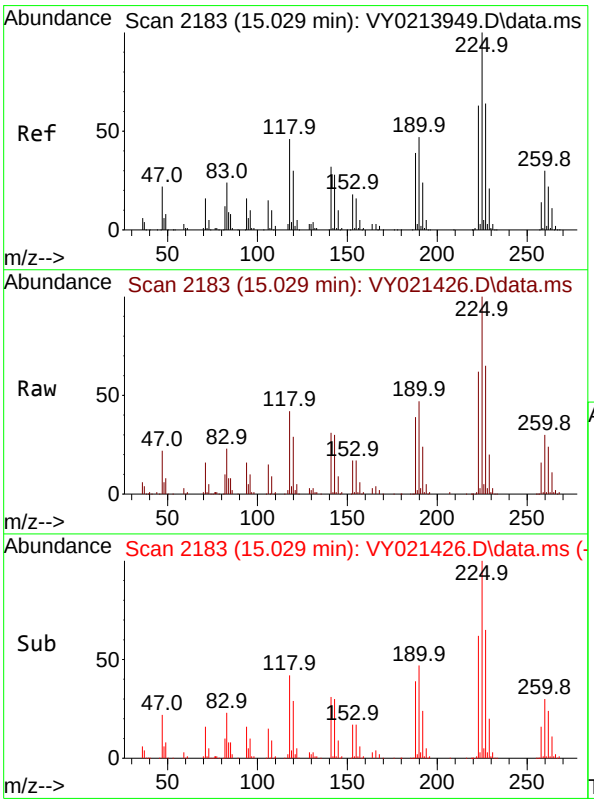
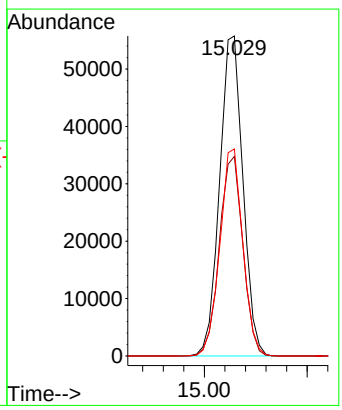


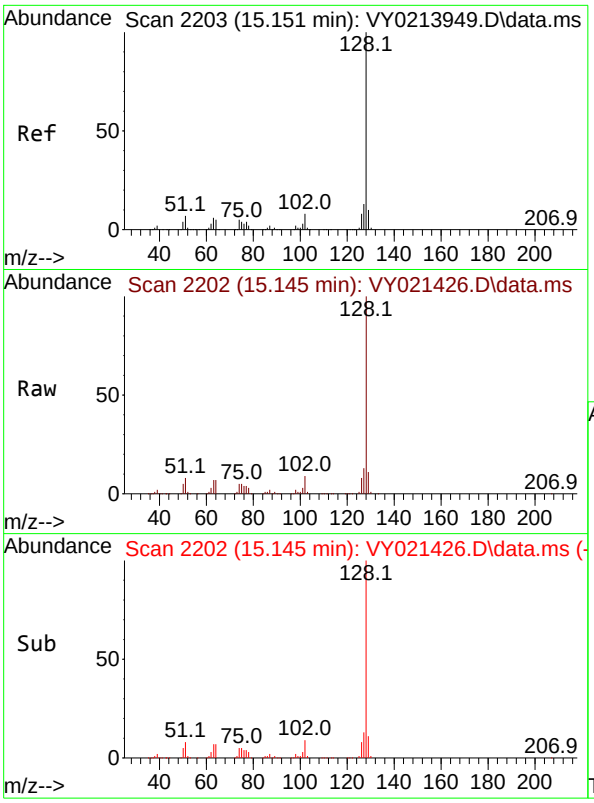


#94
Hexachlorobutadiene
Concen: 48.258 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:225 Resp: 87656

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	63.9	31.8	95.4

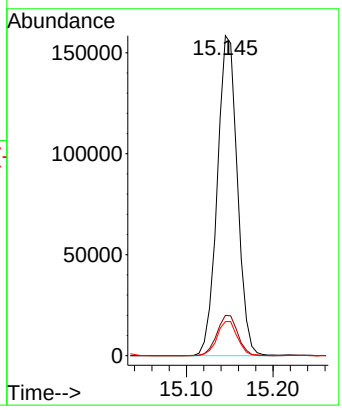




#95
Naphthalene
Concen: 51.817 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:128 Resp: 25494

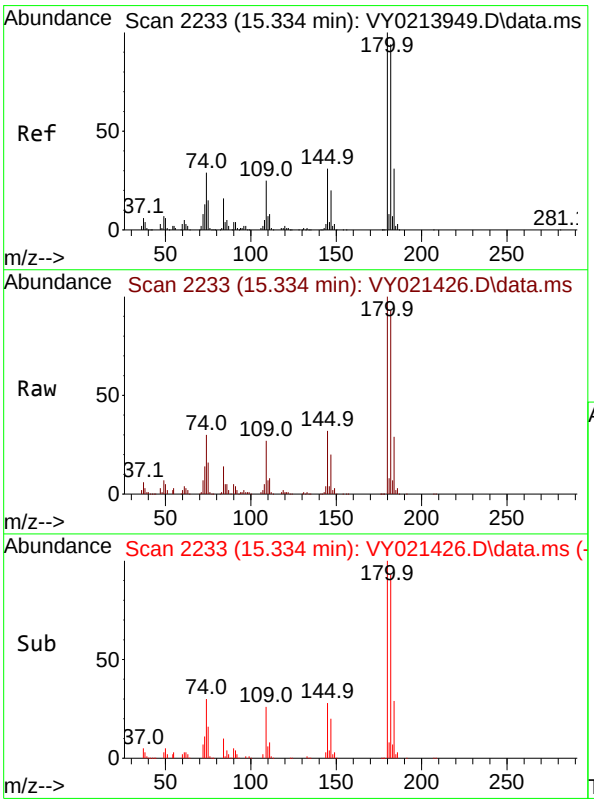
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

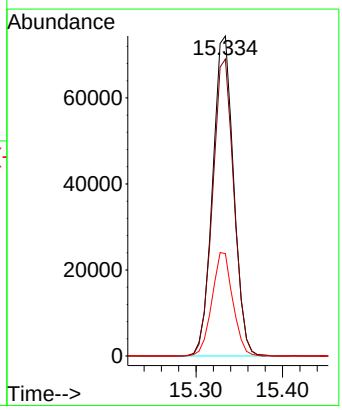
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.380 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021426.D
Acq: 06 Mar 2025 10:10

Tgt Ion:180 Resp: 125217

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.2	141.6
145	32.1	16.4	49.1



Sample Results: **VY021426.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.459	0.403	12.2	87	0.00
3	P	Chloromethane	0.647	0.644	0.5	101	0.00
4	C	Vinyl Chloride	0.707	0.731	-3.4#	103	0.00
5	T	Bromomethane	0.511	0.498	2.5	103	-0.01
6	T	Chloroethane	0.467	0.503	-7.7	106	0.00
7	T	Trichlorofluoromethane	0.987	0.975	1.2	98	-0.01
8	T	Diethyl Ether	0.273	0.282	-3.3	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.563	0.524	6.9	95	-0.02
10	T	Methyl Iodide	0.573	0.588	-2.6	90	0.00
11	T	Tert butyl alcohol	0.041	0.037	9.8	95	0.00
12	CM	1,1-Dichloroethene	0.514	0.484	5.8#	93	-0.01
13	T	Acrolein	0.027	0.006	77.8#	118	-0.01
14	T	Allyl chloride	0.830	0.819	1.3	94	-0.02
15	T	Acrylonitrile	0.116	0.127	-9.5	99	-0.01
16	T	Acetone	0.115	0.095	17.4	69	0.00
17	T	Carbon Disulfide	1.610	1.552	3.6	92	-0.01
18	T	Methyl Acetate	0.256	0.295	-15.2	101	0.00
19	T	Methyl tert-butyl Ether	1.302	1.385	-6.4	98	0.00
20	T	Methylene Chloride	0.605	0.568	6.1	100	0.00
21	T	trans-1,2-Dichloroethene	0.575	0.563	2.1	97	-0.02
22	T	Diisopropyl ether	1.789	1.886	-5.4	99	0.00
23	T	Vinyl Acetate	1.021	1.115	-9.2	97	-0.01
24	P	1,1-Dichloroethane	1.056	1.061	-0.5	98	-0.01
25	T	2-Butanone	0.159	0.160	-0.6	86	0.00
26	T	2,2-Dichloropropane	0.971	0.886	8.8	92	0.00
27	T	cis-1,2-Dichloroethene	0.653	0.658	-0.8	98	0.00
28	T	Bromochloromethane	0.443	0.470	-6.1	98	0.00
29	T	Tetrahydrofuran	0.098	0.112	-14.3	98	-0.01
30	C	Chloroform	1.096	1.107	-1.0#	99	-0.01
31	T	Cyclohexane	0.990	0.888	10.3	92	0.00
32	T	1,1,1-Trichloroethane	1.004	0.973	3.1	97	0.00
33	S	1,2-Dichloroethane-d4	0.528	0.564	-6.8	114	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	-0.01
35	S	Dibromofluoromethane	0.329	0.349	-6.1	114	0.00
36	T	1,1-Dichloropropene	0.514	0.503	2.1	94	0.00
37	T	Ethyl Acetate	0.227	0.260	-14.5	101	0.00
38	T	Carbon Tetrachloride	0.592	0.577	2.5	95	0.00
39	T	Methylcyclohexane	0.631	0.612	3.0	91	0.00
40	TM	Benzene	1.515	1.544	-1.9	97	0.00
41	T	Methacrylonitrile	0.124	0.133	-7.3	98	0.00
42	TM	1,2-Dichloroethane	0.424	0.447	-5.4	99	-0.01
43	T	Isopropyl Acetate	0.441	0.492	-11.6	99	0.00
44	TM	Trichloroethene	0.383	0.378	1.3	96	0.00
45	C	1,2-Dichloropropane	0.361	0.373	-3.3#	98	0.00
46	T	Dibromomethane	0.201	0.221	-10.0	101	0.00
47	T	Bromodichloromethane	0.533	0.559	-4.9	99	0.00
48	T	Methyl methacrylate	0.203	0.226	-11.3	96	0.00

Sample Results: **VY021426.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.003	-50.0#	108	0.00
50	S	Toluene-d8	1.244	1.310	-5.3	112	0.00
51	T	4-Methyl-2-Pentanone	0.228	0.266	-16.7	98	0.00
52	CM	Toluene	0.955	0.975	-2.1#	95	0.00
53	T	t-1,3-Dichloropropene	0.470	0.512	-8.9	99	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.587	-5.4	97	0.00
55	T	1,1,2-Trichloroethane	0.263	0.285	-8.4	97	0.00
56	T	Ethyl methacrylate	0.335	0.388	-15.8	98	0.00
57	T	1,3-Dichloropropane	0.455	0.494	-8.6	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.155	0.187	-20.6	104	0.00
59	T	2-Hexanone	0.151	0.180	-19.2	96	0.00
60	T	Dibromochloromethane	0.360	0.391	-8.6	100	0.00
61	T	1,2-Dibromoethane	0.248	0.270	-8.9	100	0.00
62	S	4-Bromofluorobenzene	0.423	0.469	-10.9	117	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64	T	Tetrachloroethene	0.407	0.384	5.7	95	0.00
65	PM	Chlorobenzene	1.181	1.160	1.8	98	0.00
66	T	1,1,1,2-Tetrachloroethane	0.417	0.416	0.2	99	0.00
67	C	Ethyl Benzene	2.072	2.064	0.4#	97	0.00
68	T	m/p-Xylenes	0.787	0.784	0.4	95	0.00
69	T	o-Xylene	0.725	0.733	-1.1	97	0.00
70	T	Styrene	1.203	1.259	-4.7	99	0.00
71	P	Bromoform	0.233	0.247	-6.0	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	3.939	3.682	6.5	95	0.00
74	T	N-amyl acetate	0.855	0.931	-8.9	102	0.00
75	P	1,1,2,2-Tetrachloroethane	0.695	0.694	0.1	99	0.00
76	T	1,2,3-Trichloropropane	0.504	0.513	-1.8	109	0.00
77	T	Bromobenzene	0.921	0.869	5.6	97	0.00
78	T	n-propylbenzene	4.783	4.514	5.6	96	0.00
79	T	2-Chlorotoluene	2.735	2.572	6.0	97	0.00
80	T	1,3,5-Trimethylbenzene	3.201	3.041	5.0	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.222	0.230	-3.6	100	0.00
82	T	4-Chlorotoluene	2.832	2.675	5.5	98	0.00
83	T	tert-Butylbenzene	2.855	2.719	4.8	97	0.00
84	T	1,2,4-Trimethylbenzene	3.178	3.062	3.7	97	0.00
85	T	sec-Butylbenzene	4.248	3.987	6.1	95	0.00
86	T	p-Isopropyltoluene	3.500	3.335	4.7	96	0.00
87	T	1,3-Dichlorobenzene	1.834	1.710	6.8	98	0.00
88	T	1,4-Dichlorobenzene	1.794	1.700	5.2	99	0.00
89	T	n-Butylbenzene	3.232	3.144	2.7	96	0.00
90	T	Hexachloroethane	0.747	0.686	8.2	98	0.00
91	T	1,2-Dichlorobenzene	1.572	1.520	3.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.104	0.106	-1.9	102	0.00
93	T	1,2,4-Trichlorobenzene	0.859	0.856	0.3	98	0.00
94	T	Hexachlorobutadiene	0.538	0.519	3.5	98	0.00
95	T	Naphthalene	1.390	1.511	-8.7	99	0.00

Sample Results: **VY021426.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.722	0.742	-2.8	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY021426.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	43.903	12.2	87	0.00
3	P	Chloromethane	50.000	49.777	0.4	101	0.00
4	C	Vinyl Chloride	50.000	51.736	-3.5#	103	0.00
5	T	Bromomethane	50.000	48.738	2.5	103	-0.01
6	T	Chloroethane	50.000	53.870	-7.7	106	0.00
7	T	Trichlorofluoromethane	50.000	49.383	1.2	98	-0.01
8	T	Diethyl Ether	50.000	51.579	-3.2	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.535	6.9	95	-0.02
10	T	Methyl Iodide	50.000	51.334	-2.7	90	0.00
11	T	Tert butyl alcohol	250.000	272.642	-9.1	95	0.00
12	CM	1,1-Dichloroethene	50.000	47.161	5.7#	93	-0.01
13	T	Acrolein	250.000	51.516	79.4#	118	-0.01
14	T	Allyl chloride	50.000	49.343	1.3	94	-0.02
15	T	Acrylonitrile	250.000	273.503	-9.4	99	-0.01
16	T	Acetone	250.000	205.940	17.6	69	0.00
17	T	Carbon Disulfide	50.000	48.220	3.6	92	-0.01
18	T	Methyl Acetate	50.000	57.717	-15.4	101	0.00
19	T	Methyl tert-butyl Ether	50.000	53.206	-6.4	98	0.00
20	T	Methylene Chloride	50.000	46.907	6.2	100	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.926	2.1	97	-0.02
22	T	Diisopropyl ether	50.000	52.719	-5.4	99	0.00
23	T	Vinyl Acetate	250.000	273.089	-9.2	97	-0.01
24	P	1,1-Dichloroethane	50.000	50.264	-0.5	98	-0.01
25	T	2-Butanone	250.000	251.304	-0.5	86	0.00
26	T	2,2-Dichloropropane	50.000	45.627	8.7	92	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.337	-0.7	98	0.00
28	T	Bromochloromethane	50.000	53.090	-6.2	98	0.00
29	T	Tetrahydrofuran	250.000	283.216	-13.3	98	-0.01
30	C	Chloroform	50.000	50.508	-1.0#	99	-0.01
31	T	Cyclohexane	50.000	44.867	10.3	92	0.00
32	T	1,1,1-Trichloroethane	50.000	48.483	3.0	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.398	-6.8	114	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	-0.01
35	S	Dibromofluoromethane	50.000	53.115	-6.2	114	0.00
36	T	1,1-Dichloropropene	50.000	48.883	2.2	94	0.00
37	T	Ethyl Acetate	50.000	57.095	-14.2	101	0.00
38	T	Carbon Tetrachloride	50.000	48.736	2.5	95	0.00
39	T	Methylcyclohexane	50.000	48.487	3.0	91	0.00
40	TM	Benzene	50.000	50.938	-1.9	97	0.00
41	T	Methacrylonitrile	50.000	53.514	-7.0	98	0.00
42	TM	1,2-Dichloroethane	50.000	52.759	-5.5	99	-0.01
43	T	Isopropyl Acetate	50.000	55.731	-11.5	99	0.00
44	TM	Trichloroethene	50.000	49.358	1.3	96	0.00
45	C	1,2-Dichloropropane	50.000	51.738	-3.5#	98	0.00
46	T	Dibromomethane	50.000	55.018	-10.0	101	0.00
47	T	Bromodichloromethane	50.000	52.398	-4.8	99	0.00
48	T	Methyl methacrylate	50.000	55.808	-11.6	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1278.089	-27.8#	108	0.00
50	S	Toluene-d8	50.000	52.629	-5.3	112	0.00
51	T	4-Methyl-2-Pentanone	250.000	292.531	-17.0	98	0.00
52	CM	Toluene	50.000	51.010	-2.0#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	54.523	-9.0	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.641	-5.3	97	0.00
55	T	1,1,2-Trichloroethane	50.000	54.258	-8.5	97	0.00
56	T	Ethyl methacrylate	50.000	57.967	-15.9	98	0.00
57	T	1,3-Dichloropropane	50.000	54.296	-8.6	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	302.700	-21.1	104	0.00
59	T	2-Hexanone	250.000	298.994	-19.6	96	0.00
60	T	Dibromochloromethane	50.000	54.286	-8.6	100	0.00
61	T	1,2-Dibromoethane	50.000	54.483	-9.0	100	0.00
62	S	4-Bromofluorobenzene	50.000	55.397	-10.8	117	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64	T	Tetrachloroethene	50.000	47.271	5.5	95	0.00
65	PM	Chlorobenzene	50.000	49.139	1.7	98	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.836	0.3	99	0.00
67	C	Ethyl Benzene	50.000	49.791	0.4#	97	0.00
68	T	m/p-Xylenes	100.000	99.700	0.3	95	0.00
69	T	o-Xylene	50.000	50.512	-1.0	97	0.00
70	T	Styrene	50.000	52.337	-4.7	99	0.00
71	P	Bromoform	50.000	52.982	-6.0	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	46.741	6.5	95	0.00
74	T	N-amyl acetate	50.000	54.396	-8.8	102	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.905	0.2	99	0.00
76	T	1,2,3-Trichloropropane	50.000	50.955	-1.9	109	0.00
77	T	Bromobenzene	50.000	47.159	5.7	97	0.00
78	T	n-propylbenzene	50.000	47.185	5.6	96	0.00
79	T	2-Chlorotoluene	50.000	47.022	6.0	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.512	5.0	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.814	-3.6	100	0.00
82	T	4-Chlorotoluene	50.000	47.230	5.5	98	0.00
83	T	tert-Butylbenzene	50.000	47.613	4.8	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.169	3.7	97	0.00
85	T	sec-Butylbenzene	50.000	46.928	6.1	95	0.00
86	T	p-Isopropyltoluene	50.000	47.642	4.7	96	0.00
87	T	1,3-Dichlorobenzene	50.000	46.614	6.8	98	0.00
88	T	1,4-Dichlorobenzene	50.000	47.394	5.2	99	0.00
89	T	n-Butylbenzene	50.000	48.645	2.7	96	0.00
90	T	Hexachloroethane	50.000	45.929	8.1	98	0.00
91	T	1,2-Dichlorobenzene	50.000	48.350	3.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.779	-1.6	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.844	0.3	98	0.00
94	T	Hexachlorobutadiene	50.000	48.258	3.5	98	0.00
95	T	Naphthalene	50.000	51.817	-3.6	99	0.00

Sample Results: **VY021426.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021426.D
Acq On : 06 Mar 2025 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Mar 07 00:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.380	-2.8	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY021451.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_Y Calibration Date/Time: 03/07/2025 09:59

Lab File ID: VY021451.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.459	0.437		-4.79	20
Chloromethane	0.647	0.662	0.1	2.32	20
Vinyl Chloride	0.707	0.776		9.76	20
Bromomethane	0.511	0.511		0	20
Chloroethane	0.467	0.546		16.92	20
Trichlorofluoromethane	0.987	1.164		17.93	20
1,1,2-Trichlorotrifluoroethane	0.563	0.577		2.49	20
1,1-Dichloroethene	0.514	0.513		-0.19	20
Acetone	0.115	0.121		5.22	20
Carbon Disulfide	1.610	1.632		1.37	20
Methyl tert-butyl Ether	1.302	1.304		0.15	20
Methyl Acetate	0.256	0.280		9.38	20
Methylene Chloride	0.605	0.575		-4.96	20
trans-1,2-Dichloroethene	0.575	0.587		2.09	20
1,1-Dichloroethane	1.056	1.095	0.1	3.69	20
Cyclohexane	0.990	0.981		-0.91	20
2-Butanone	0.159	0.163		2.52	20
Carbon Tetrachloride	0.592	0.617		4.22	20
cis-1,2-Dichloroethene	0.653	0.675		3.37	20
Bromochloromethane	0.443	0.448		1.13	20
Chloroform	1.096	1.152		5.11	20
1,1,1-Trichloroethane	1.004	1.033		2.89	20
Methylcyclohexane	0.631	0.679		7.61	20
Benzene	1.515	1.595		5.28	20
1,2-Dichloroethane	0.424	0.448		5.66	20
Trichloroethene	0.383	0.395		3.13	20
1,2-Dichloropropane	0.361	0.384		6.37	20
Bromodichloromethane	0.533	0.567		6.38	20
4-Methyl-2-Pentanone	0.228	0.236		3.51	20
Toluene	0.955	1.025		7.33	20
t-1,3-Dichloropropene	0.470	0.503		7.02	20
cis-1,3-Dichloropropene	0.557	0.592		6.28	20
1,1,2-Trichloroethane	0.263	0.278		5.7	20
2-Hexanone	0.151	0.163		7.95	20
Dibromochloromethane	0.360	0.381		5.83	20
1,2-Dibromoethane	0.248	0.257		3.63	20
Tetrachloroethene	0.407	0.413		1.47	20
Chlorobenzene	1.181	1.219	0.3	3.22	20

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

Raw Data: **VY021451.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_Y Calibration Date/Time: 03/07/2025 09:59

Lab File ID: VY021451.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.072	2.220		7.14	20
m/p-Xylenes	0.787	0.846		7.5	20
o-Xylene	0.725	0.771		6.34	20
Styrene	1.203	1.319		9.64	20
Bromoform	0.233	0.240	0.1	3	20
Isopropylbenzene	3.939	4.043		2.64	20
1,1,2,2-Tetrachloroethane	0.695	0.681	0.3	-2.01	20
1,3-Dichlorobenzene	1.834	1.830		-0.22	20
1,4-Dichlorobenzene	1.794	1.801		0.39	20
1,2-Dichlorobenzene	1.572	1.581		0.57	20
1,2-Dibromo-3-Chloropropane	0.104	0.103		-0.96	20
1,2,4-Trichlorobenzene	0.859	0.884		2.91	20
1,2,3-Trichlorobenzene	0.722	0.741		2.63	20
1,2-Dichloroethane-d4	0.528	0.557		5.49	20
Dibromofluoromethane	0.329	0.352		6.99	20
Toluene-d8	1.244	1.351		8.6	20
4-Bromofluorobenzene	0.423	0.461		8.98	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\VY030725\
Data File : VY021451.D
Acq On : 07 Mar 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 21:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	212653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	324643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	291936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	151541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	118388	52.673	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.340%			
35) Dibromofluoromethane	7.634	113	114359	53.591	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.180%			
50) Toluene-d8	10.109	98	438551	54.278	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.560%			
62) 4-Bromofluorobenzene	12.408	95	149818	54.511	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	92952	47.633	ug/l	97
3) Chloromethane	2.068	50	140754	51.160	ug/l	97
4) Vinyl Chloride	2.208	62	165102	54.913	ug/l	95
5) Bromomethane	2.598	94	108731	50.038	ug/l	93
6) Chloroethane	2.739	64	116189	58.478	ug/l	98
7) Trichlorofluoromethane	3.062	101	247591	58.999	ug/l	99
8) Diethyl Ether	3.458	74	57438	49.389	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	122660	51.194	ug/l	98
10) Methyl Iodide	4.007	142	130359	53.524	ug/l	98
11) Tert butyl alcohol	4.872	59	32170	217.181	ug/l #	72
12) 1,1-Dichloroethene	3.793	96	109132	49.960	ug/l	100
13) Acrolein	3.653	56	4140	36.213	ug/l	94
14) Allyl chloride	4.385	41	182499	51.698	ug/l	99
15) Acrylonitrile	5.061	53	122735	247.916	ug/l	100
16) Acetone	3.873	43	128966	263.075	ug/l	92
17) Carbon Disulfide	4.104	76	347050	50.695	ug/l	100
18) Methyl Acetate	4.385	43	59587	54.782	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	277390	50.102	ug/l	99
20) Methylene Chloride	4.616	84	122314	47.532	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	124741	50.991	ug/l	98
22) Diisopropyl ether	6.019	45	405674	53.324	ug/l	99
23) Vinyl Acetate	5.958	43	1124928	259.094	ug/l	99
24) 1,1-Dichloroethane	5.915	63	232909	51.872	ug/l	99
25) 2-Butanone	6.896	43	173030	255.158	ug/l	95
26) 2,2-Dichloropropane	6.884	77	210852	51.037	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	143612	51.675	ug/l	100
28) Bromochloromethane	7.244	49	95177	50.561	ug/l	98
29) Tetrahydrofuran	7.262	42	104576	249.797	ug/l	99
30) Chloroform	7.421	83	244896	52.525	ug/l	98
31) Cyclohexane	7.701	56	208697	49.578	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	219670	51.456	ug/l	100
36) 1,1-Dichloropropene	7.835	75	176927	52.968	ug/l	98
37) Ethyl Acetate	6.982	43	75156	50.906	ug/l	99
38) Carbon Tetrachloride	7.817	117	200378	52.161	ug/l	96
39) Methylcyclohexane	9.109	83	220328	53.775	ug/l	99
40) Benzene	8.079	78	517955	52.639	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021451.D
Acq On : 07 Mar 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 21:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	38383	47.747	ug/l	#	93
42) 1,2-Dichloroethane	8.158	62	145297	52.784	ug/l		100
43) Isopropyl Acetate	8.195	43	143719	50.147	ug/l	#	85
44) Trichloroethene	8.866	130	128256	51.581	ug/l		98
45) 1,2-Dichloropropane	9.140	63	124539	53.180	ug/l		98
46) Dibromomethane	9.231	93	68675	52.704	ug/l		98
47) Bromodichloromethane	9.420	83	184182	53.225	ug/l		99
48) Methyl methacrylate	9.219	41	69586	52.875	ug/l		98
49) 1,4-Dioxane	9.225	88	13340	1043.032	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	383449	259.306	ug/l		99
52) Toluene	10.170	92	332775	53.643	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	163450	53.613	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	192260	53.116	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	90308	52.982	ug/l		96
56) Ethyl methacrylate	10.438	69	115815	53.277	ug/l		99
57) 1,3-Dichloropropane	10.719	76	154604	52.334	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	273061	272.111	ug/l		100
59) 2-Hexanone	10.762	43	264611	270.623	ug/l		98
60) Dibromochloromethane	10.914	129	123851	53.002	ug/l		99
61) 1,2-Dibromoethane	11.018	107	83526	51.922	ug/l		98
64) Tetrachloroethene	10.646	164	120667	50.830	ug/l		99
65) Chlorobenzene	11.444	112	355846	51.617	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	127708	52.396	ug/l		99
67) Ethyl Benzene	11.524	91	648101	53.561	ug/l		100
68) m/p-Xylenes	11.627	106	493806	107.493	ug/l		99
69) o-Xylene	11.956	106	224944	53.130	ug/l		98
70) Styrene	11.969	104	385006	54.815	ug/l		100
71) Bromoform	12.133	173	70056	51.417	ug/l	#	99
73) Isopropylbenzene	12.255	105	612734	51.329	ug/l		100
74) N-amyl acetate	12.072	43	130532	50.351	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	103195	48.988	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	78892m	51.663	ug/l		
77) Bromobenzene	12.536	156	138017	49.420	ug/l		100
78) n-propylbenzene	12.597	91	756235	52.163	ug/l		100
79) 2-Chlorotoluene	12.682	91	421941	50.900	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	508497	52.417	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	32800	48.829	ug/l		99
82) 4-Chlorotoluene	12.779	91	432838	50.423	ug/l		99
83) tert-Butylbenzene	12.999	119	450950	52.108	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	505770	52.510	ug/l		99
85) sec-Butylbenzene	13.176	105	665822	51.710	ug/l		99
86) p-Isopropyltoluene	13.292	119	559380	52.732	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	277327	49.887	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	272960	50.207	ug/l		99
89) n-Butylbenzene	13.621	91	528248	53.928	ug/l		100
90) Hexachloroethane	13.883	117	113792	50.283	ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	239550	50.277	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15548	49.273	ug/l		91
93) 1,2,4-Trichlorobenzene	14.925	180	133987	51.485	ug/l		98
94) Hexachlorobutadiene	15.029	225	86118	52.790	ug/l		99
95) Naphthalene	15.145	128	219063	49.826	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	112240	51.280	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021451.D
Acq On : 07 Mar 2025 09:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 21:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

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

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

Sample Results: **VY021451.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021451.D
Acq On : 07 Mar 2025 09:59
Operator : SY/MD
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 21:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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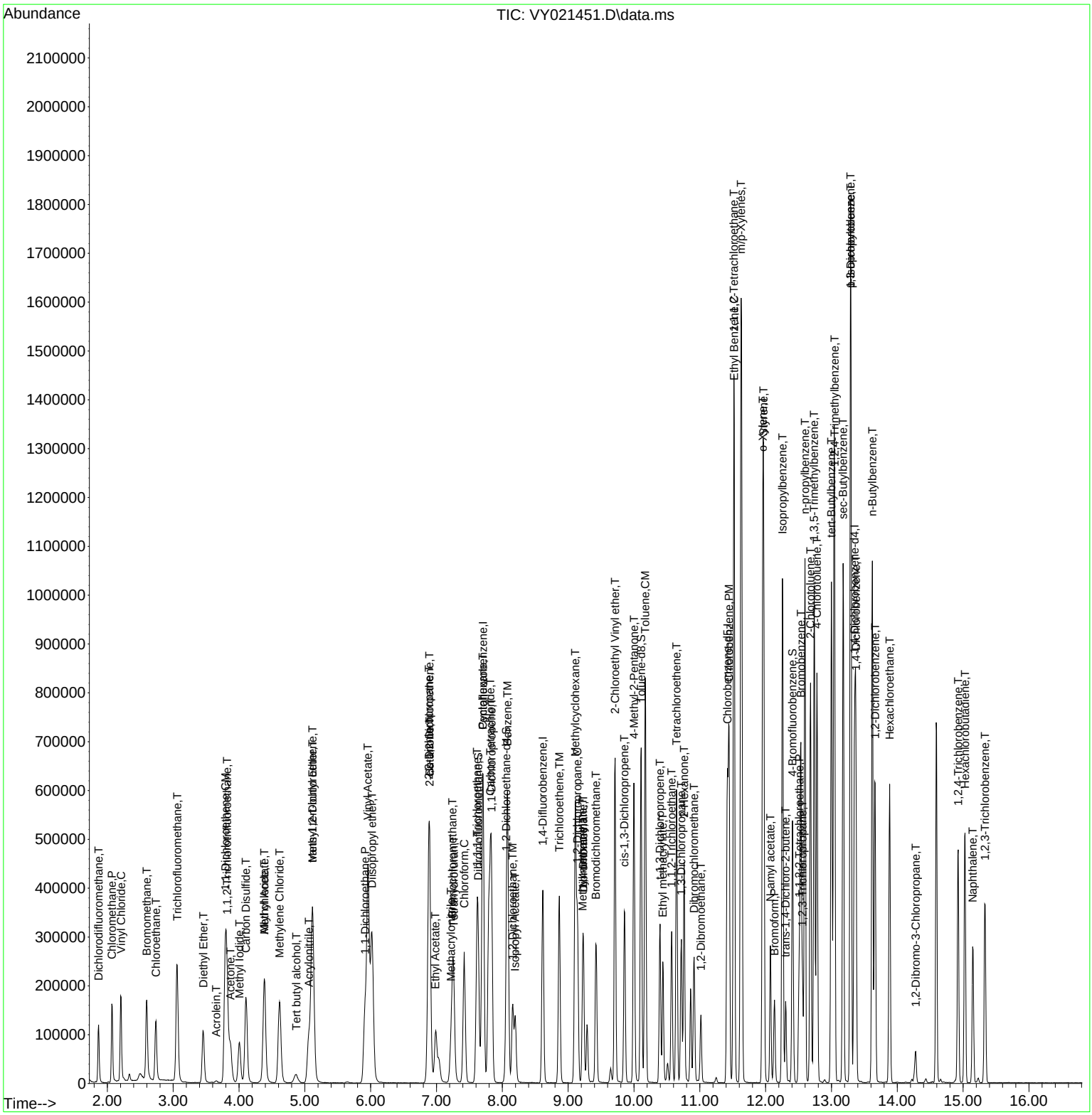

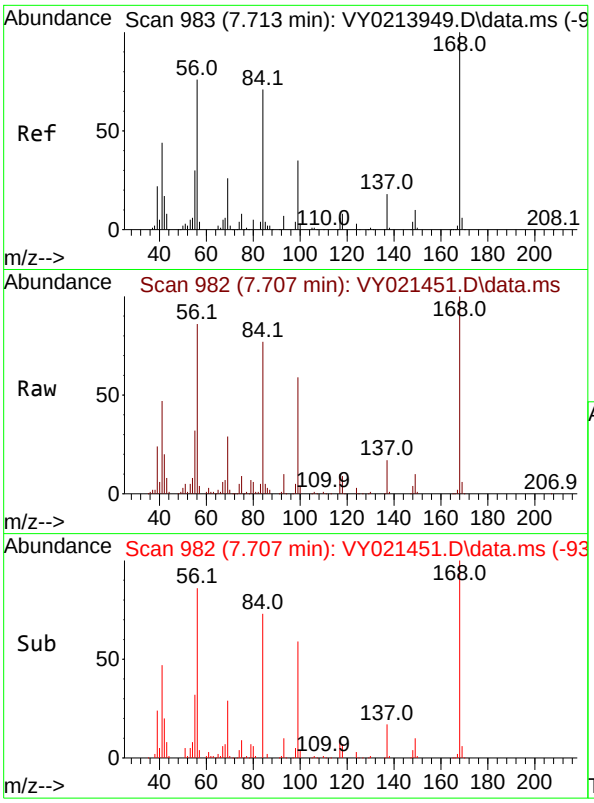

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:168 Resp: 21265

Ion	Ratio	Lower	Upper
168	100		
99	58.7	46.0	69.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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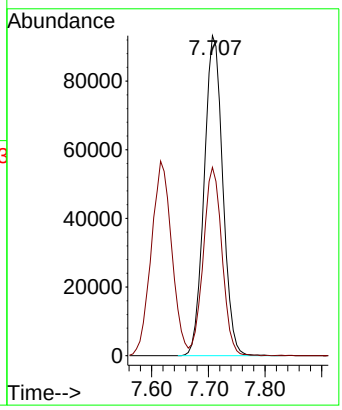
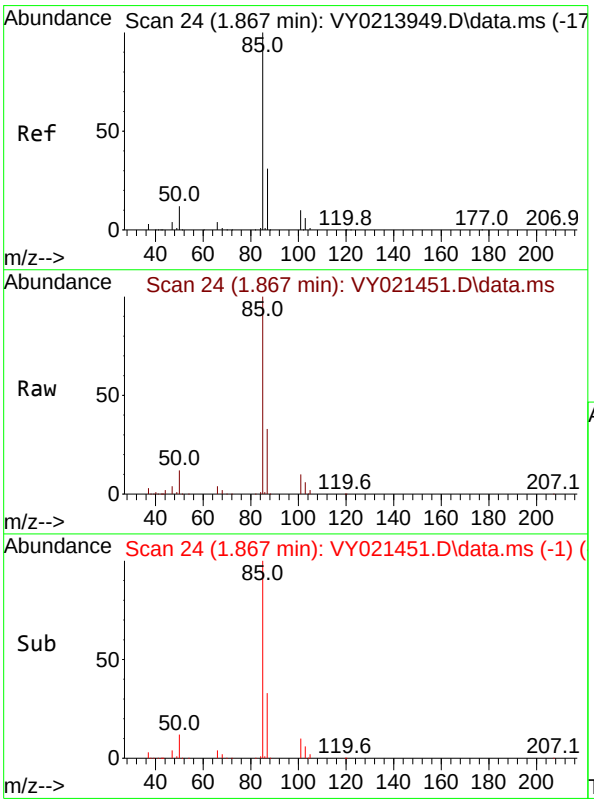
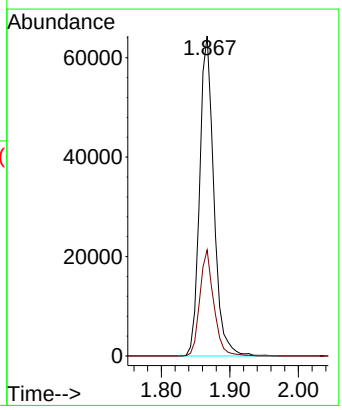


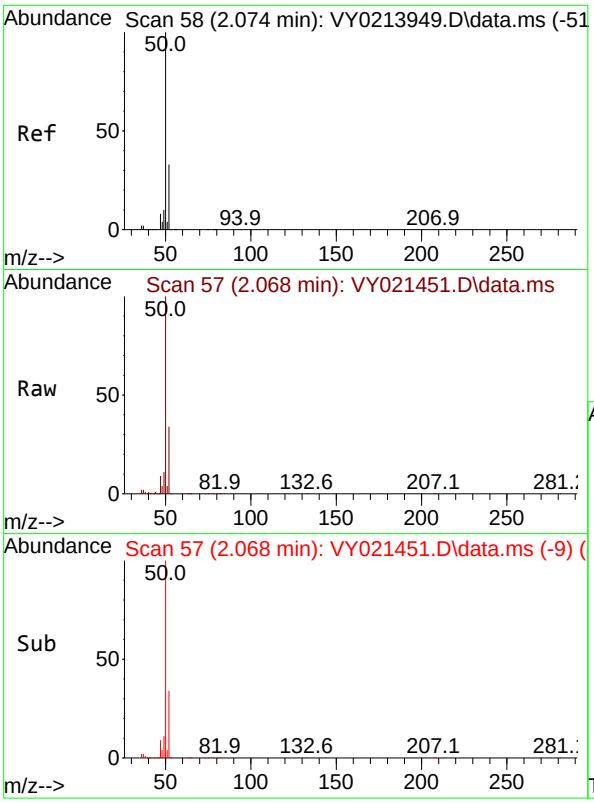


#2
Dichlorodifluoromethane
Concen: 47.633 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 85 Resp: 92952

Ion	Ratio	Lower	Upper
85	100		
87	33.2	15.7	47.0

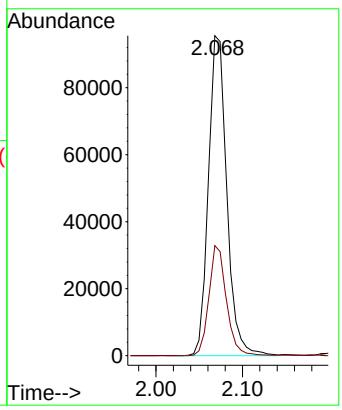




#3
Chloromethane
Concen: 51.160 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 50 Resp: 14075

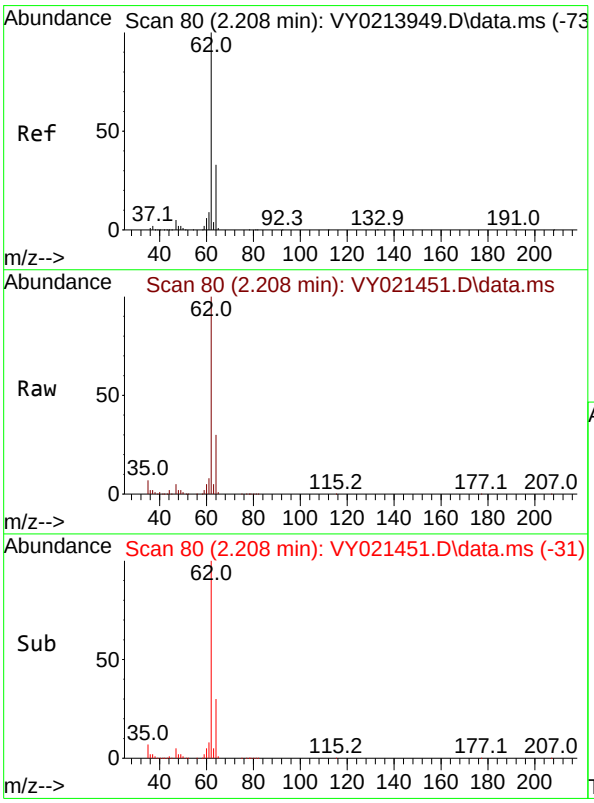
Ion	Ratio	Lower	Upper
50	100		
52	34.4	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

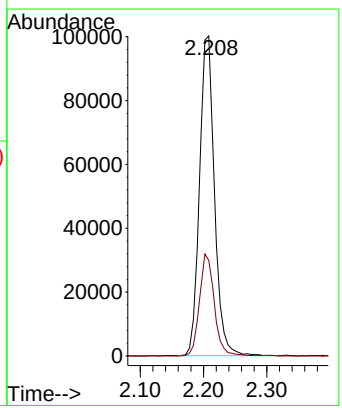
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

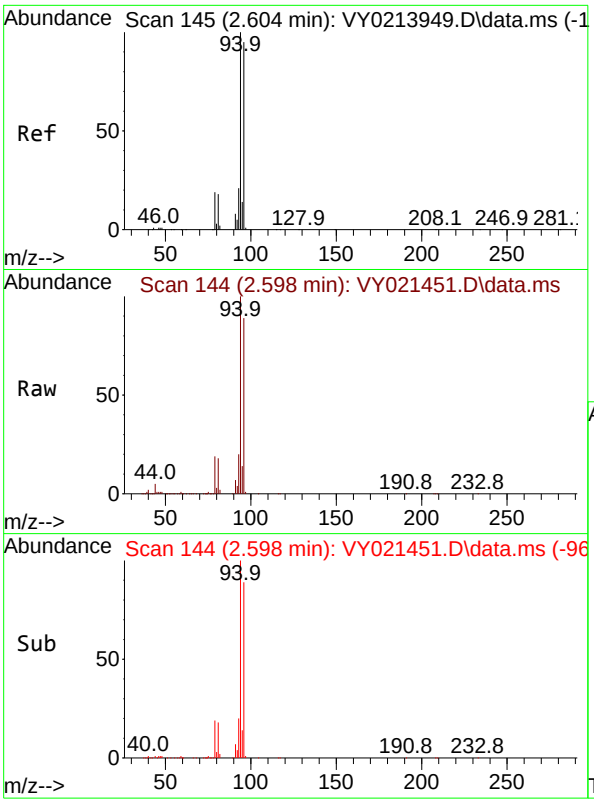


#4
Vinyl Chloride
Concen: 54.913 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 62 Resp: 165102

Ion	Ratio	Lower	Upper
62	100		
64	29.9	26.2	39.2

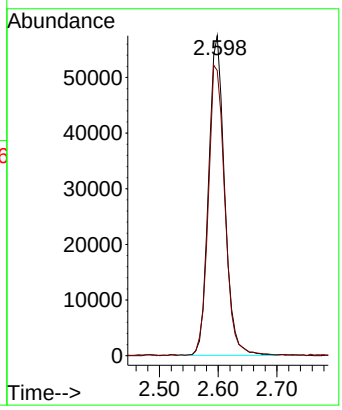




#5
Bromomethane
Concen: 50.038 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 94 Resp: 10873

Ion	Ratio	Lower	Upper
94	100		
96	89.0	76.3	114.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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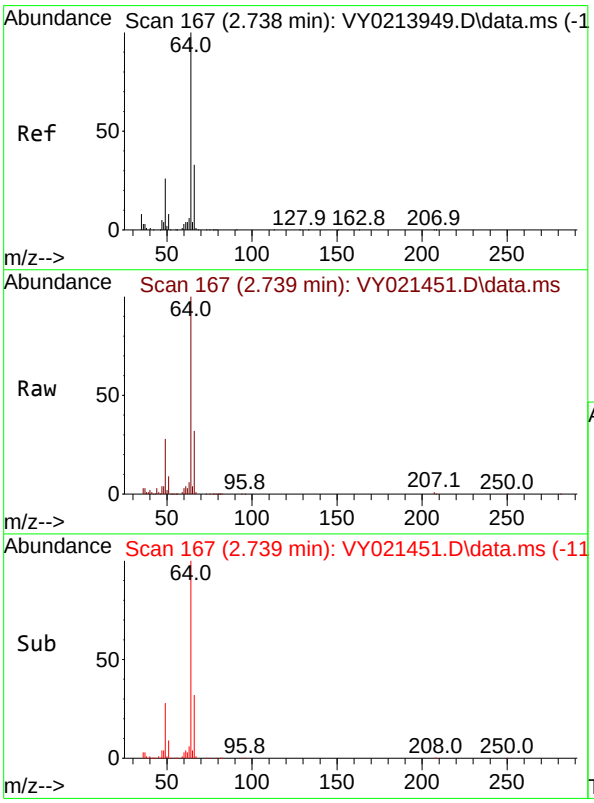
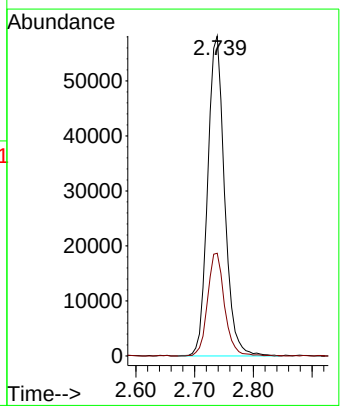
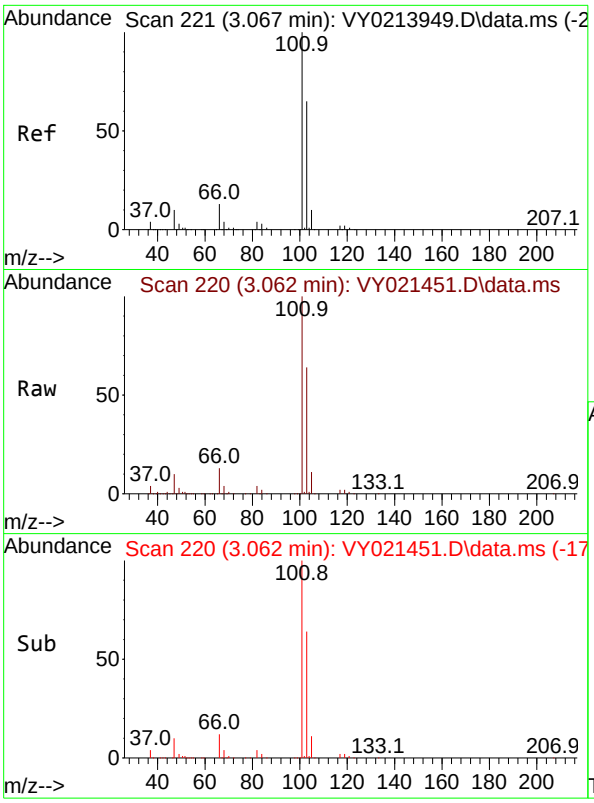


#6
Chloroethane
Concen: 58.478 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 64 Resp: 116189

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.7	40.1

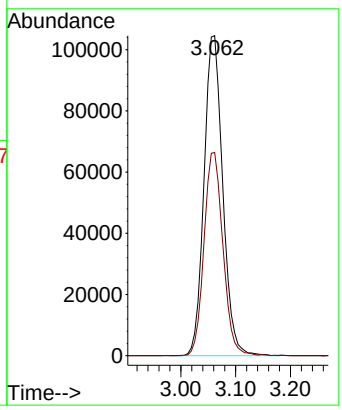




#7
Trichlorofluoromethane
Concen: 58.999 ug/l
RT: 3.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:101 Resp: 24759

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.7	77.5



Instrument :
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ClientSampleId :
VSTDCCC050

Manual Integrations
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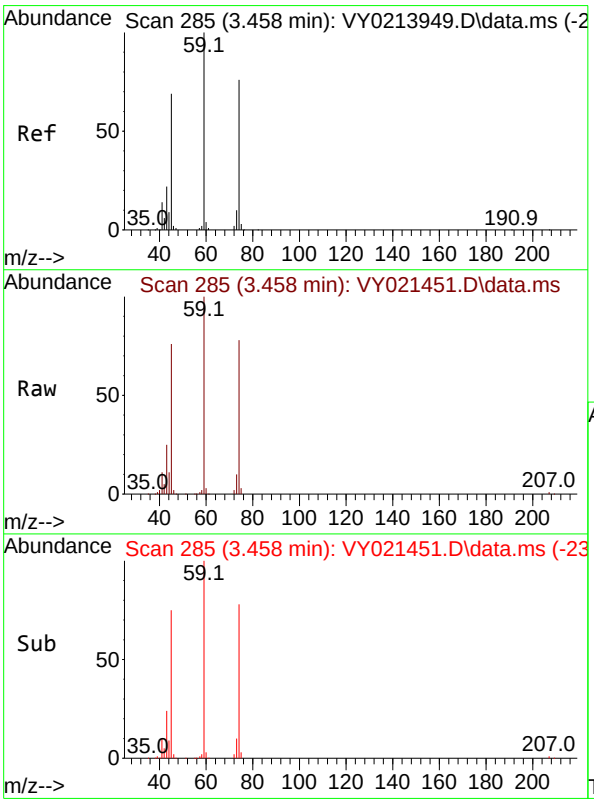
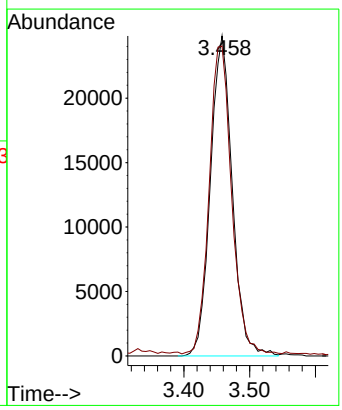
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

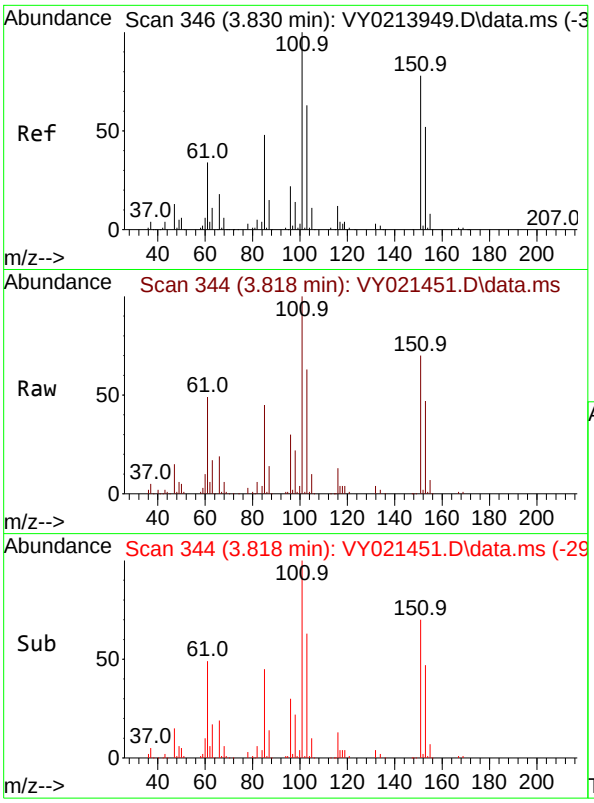


#8
Diethyl Ether
Concen: 49.389 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 74 Resp: 57438

Ion	Ratio	Lower	Upper
74	100		
45	98.6	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.194 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:101 Resp: 12266

Ion	Ratio	Lower	Upper
101	100		
85	47.1	37.1	55.7
151	75.7	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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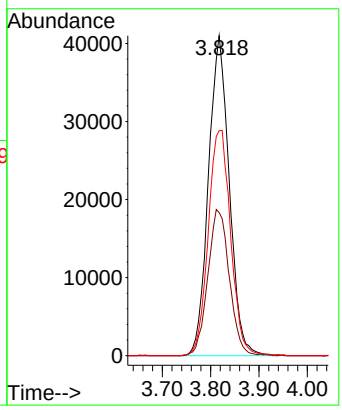
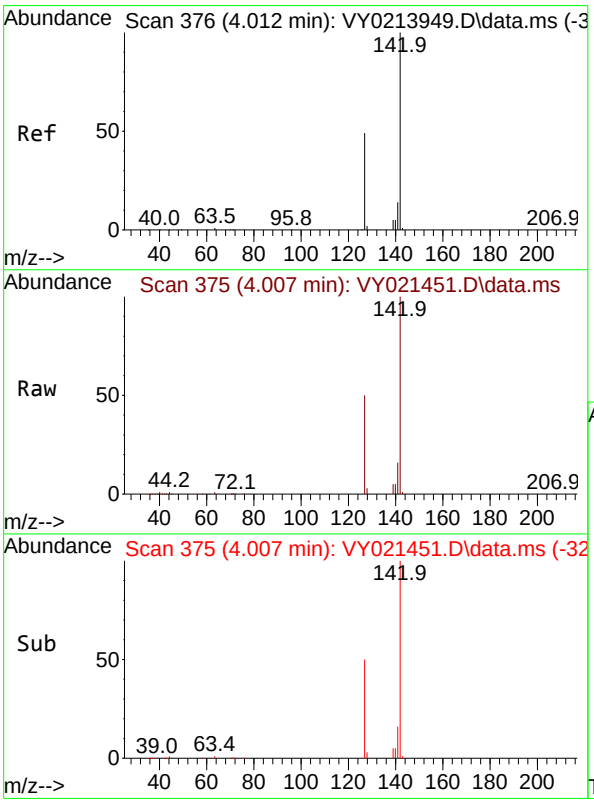
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

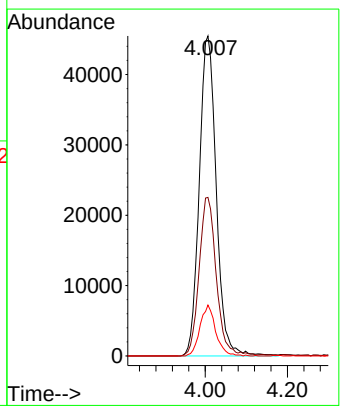


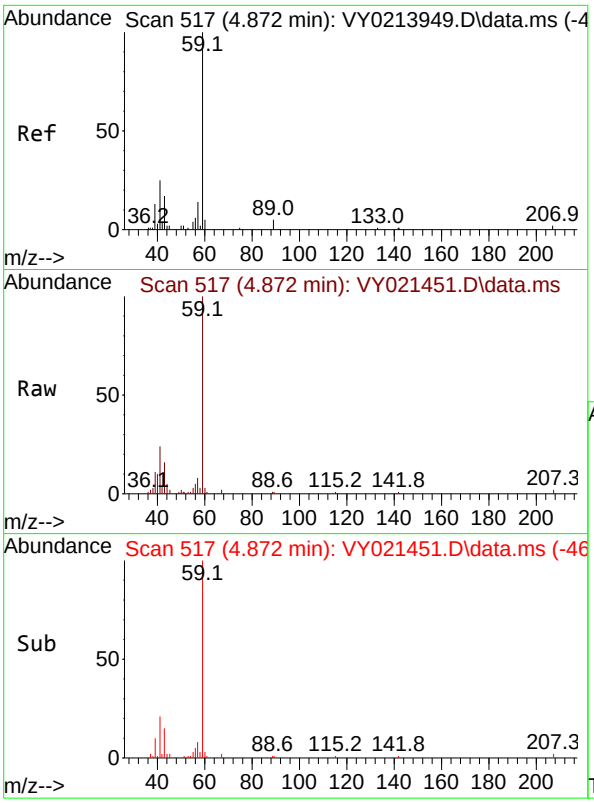


#10
Methyl Iodide
Concen: 53.524 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:142 Resp: 130359

Ion	Ratio	Lower	Upper
142	100		
127	50.2	39.1	58.7
141	14.7	11.8	17.6





#11
Tert butyl alcohol
Concen: 217.181 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 59 Resp: 3217

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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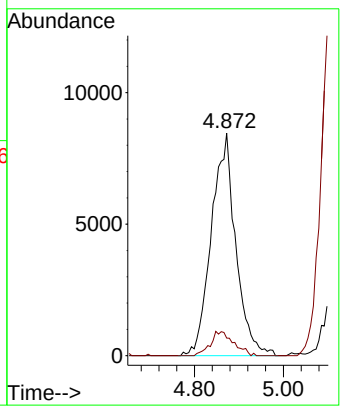
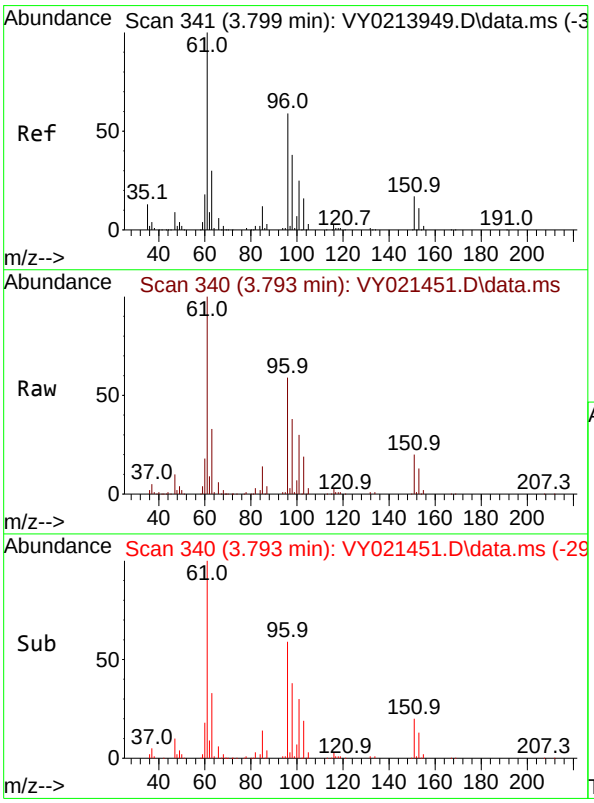
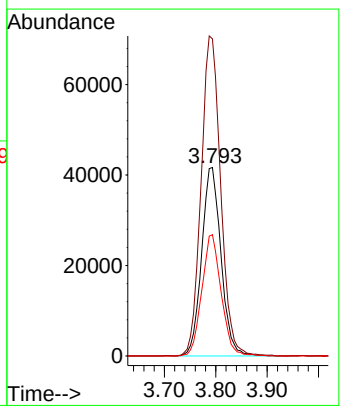


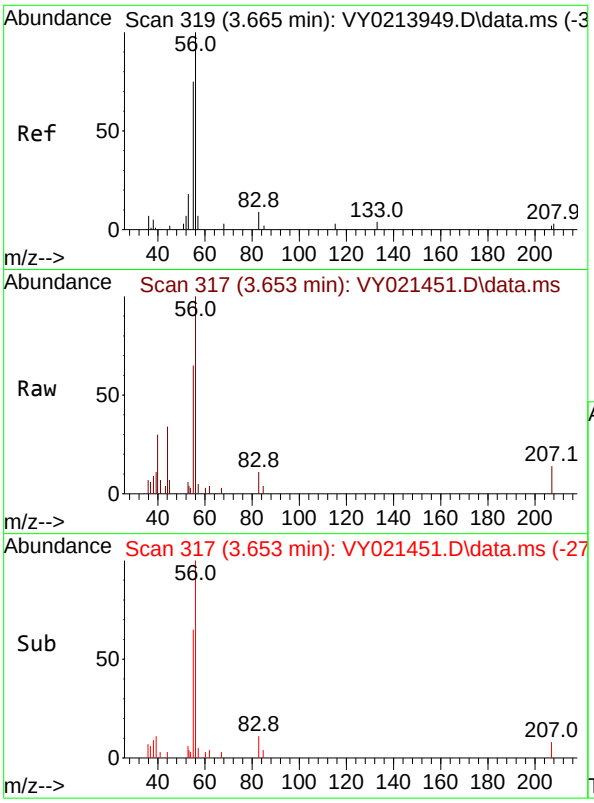


#12
1,1-Dichloroethene
Concen: 49.960 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 96 Resp: 109132

Ion	Ratio	Lower	Upper
96	100		
61	168.2	135.2	202.8
98	64.3	51.4	77.2





#13
Acrolein
Concen: 36.213 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 56 Resp: 414

Ion	Ratio	Lower	Upper
56	100		
55	74.0	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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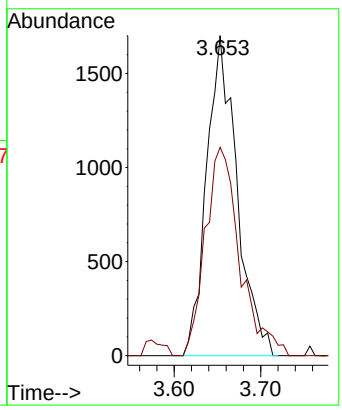
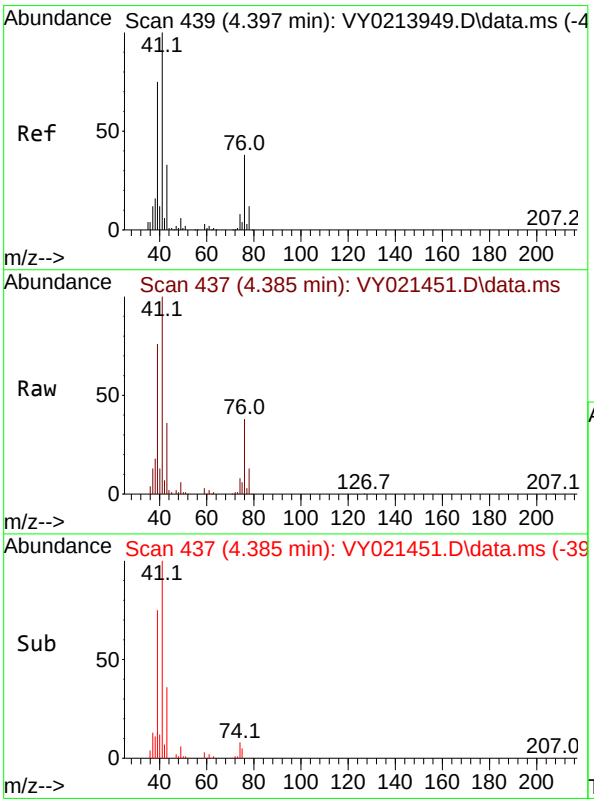
Supervised By :Semsettin Yesilyurt 03/11/2025

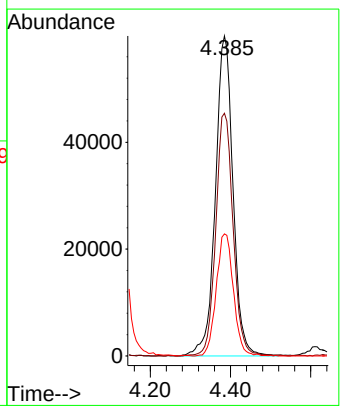


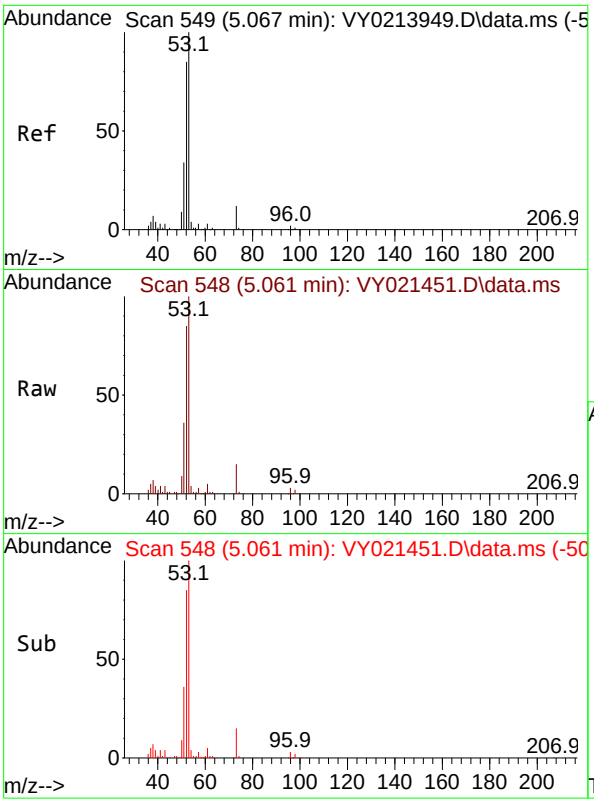


#14
Allyl chloride
Concen: 51.698 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 41 Resp: 182499

Ion	Ratio	Lower	Upper
41	100		
39	74.8	59.3	88.9
76	37.2	29.8	44.8





#15
Acrylonitrile
Concen: 247.916 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 53 Resp: 12273

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.3	99.5
51	37.9	30.3	45.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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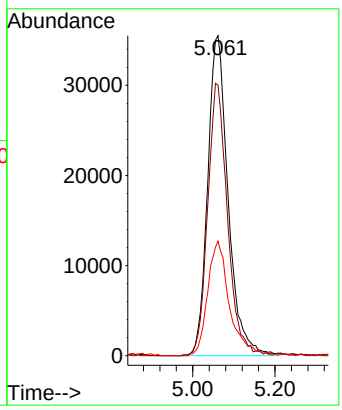
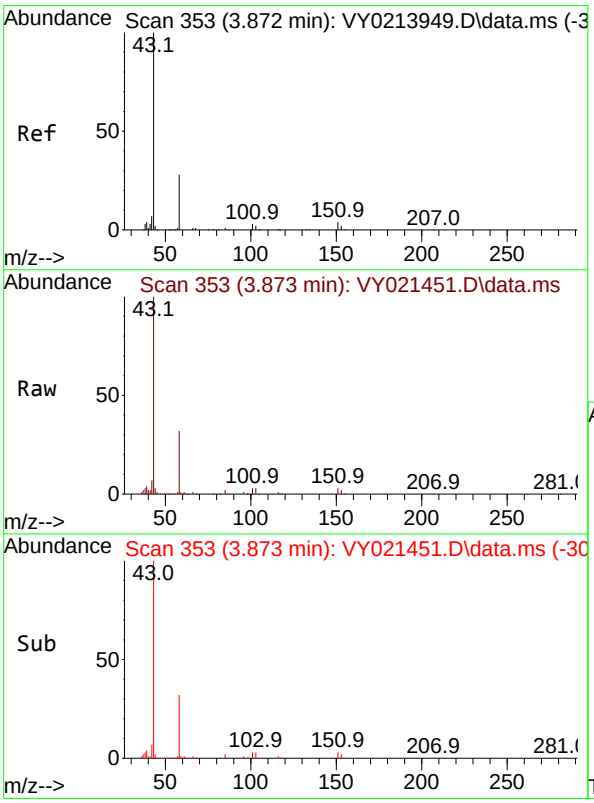
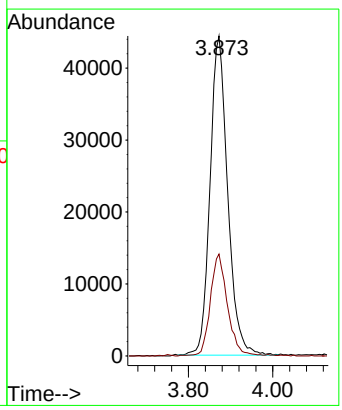


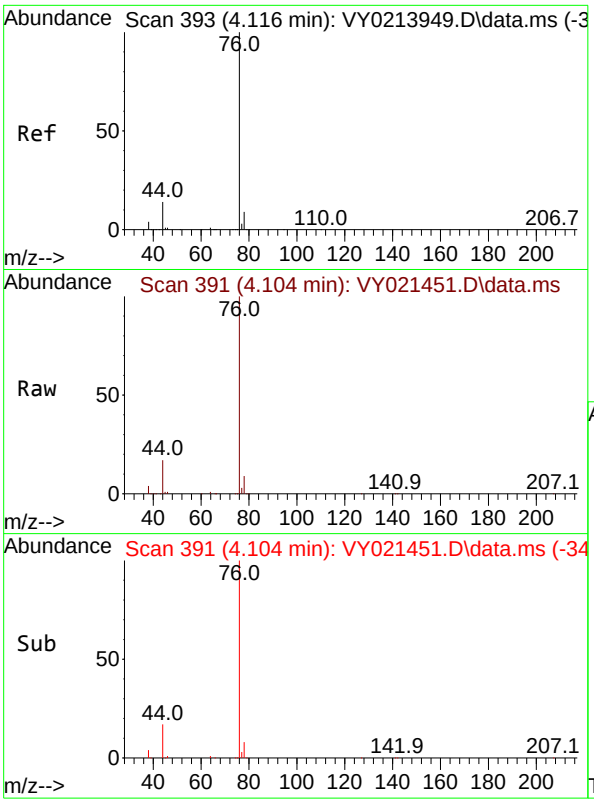


#16
Acetone
Concen: 263.075 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.001 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 43 Resp: 128966

Ion	Ratio	Lower	Upper
43	100		
58	31.9	22.1	33.1

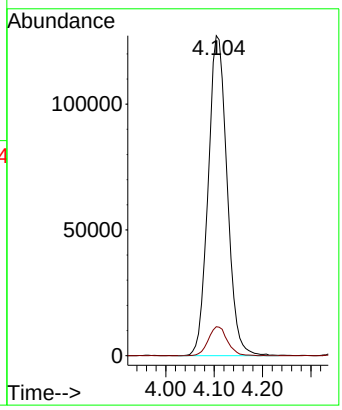




#17
Carbon Disulfide
Concen: 50.695 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 76 Resp: 34705

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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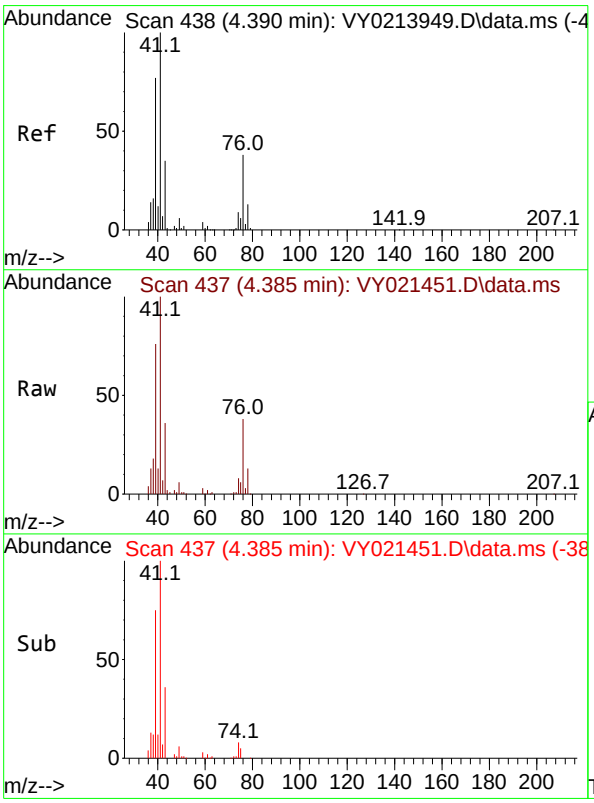
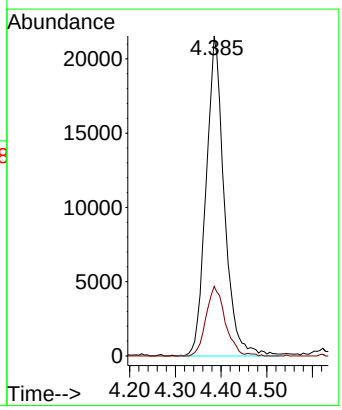
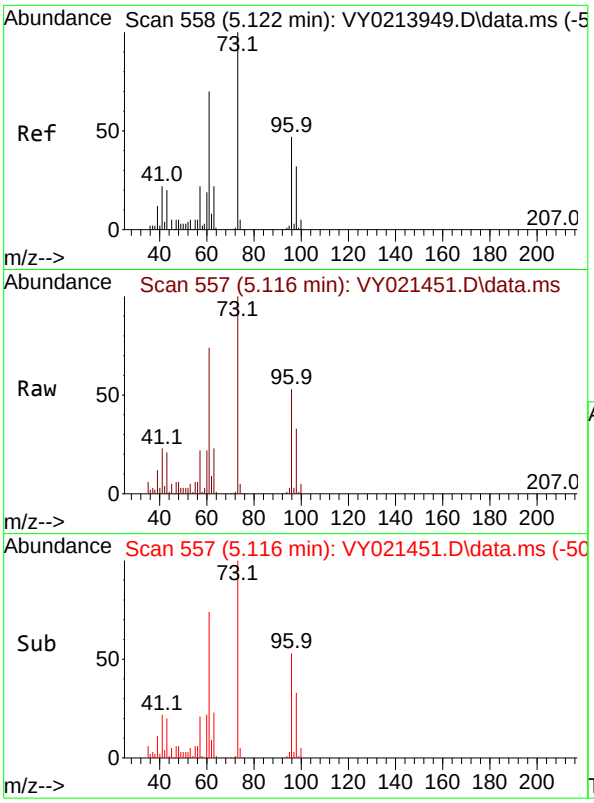


#18
Methyl Acetate
Concen: 54.782 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 43 Resp: 59587

Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.4	29.0





#19
Methyl tert-butyl Ether
Concen: 50.102 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 73 Resp: 27739

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.9	26.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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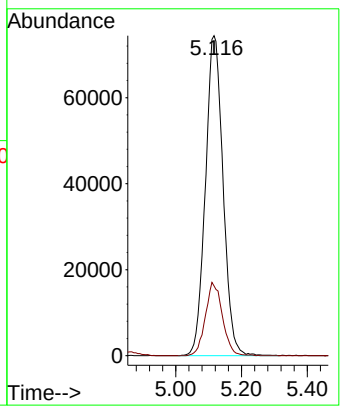
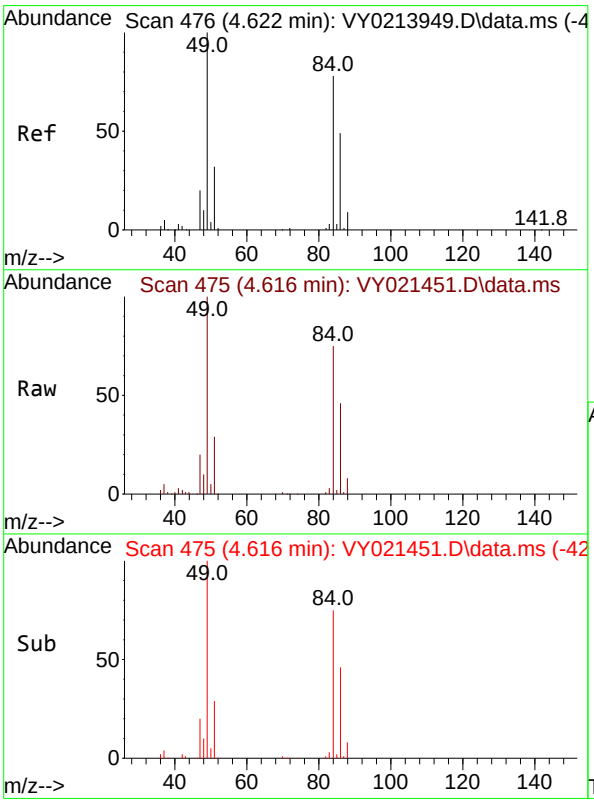
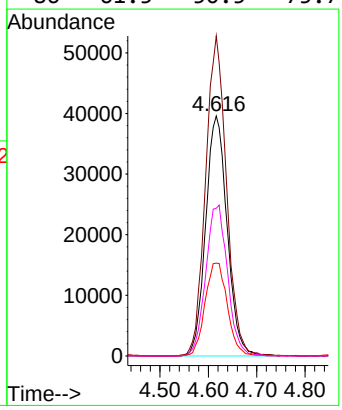


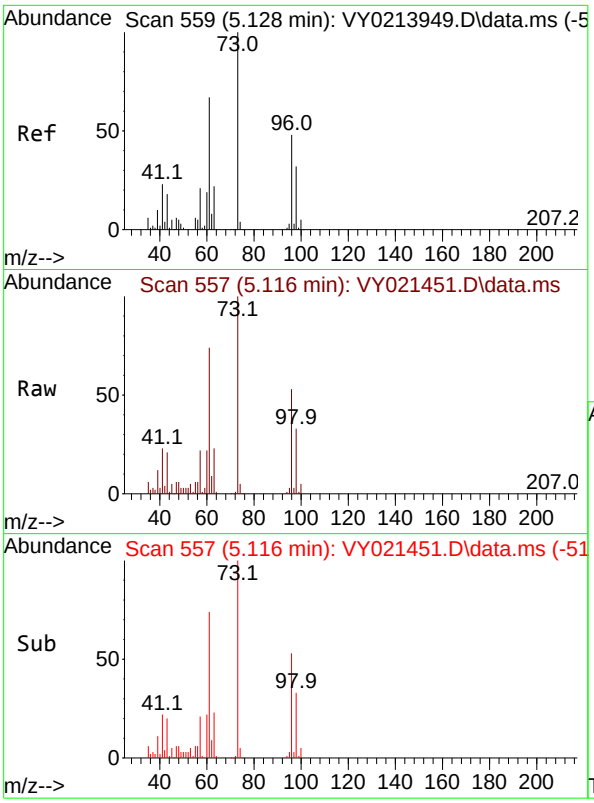


#20
Methylene Chloride
Concen: 47.532 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 84 Resp: 122314

Ion	Ratio	Lower	Upper
84	100		
49	133.1	102.0	153.0
51	38.7	33.0	49.6
86	61.5	50.5	75.7

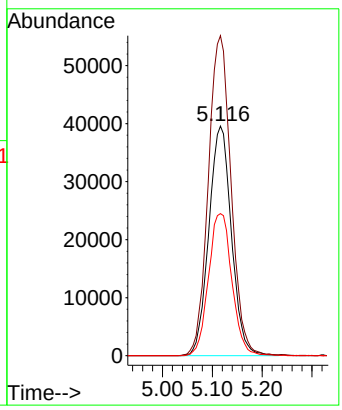




#21
trans-1,2-Dichloroethene
Concen: 50.991 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 96 Resp: 12474

Ion	Ratio	Lower	Upper
96	100		
61	139.4	111.5	167.3
98	61.9	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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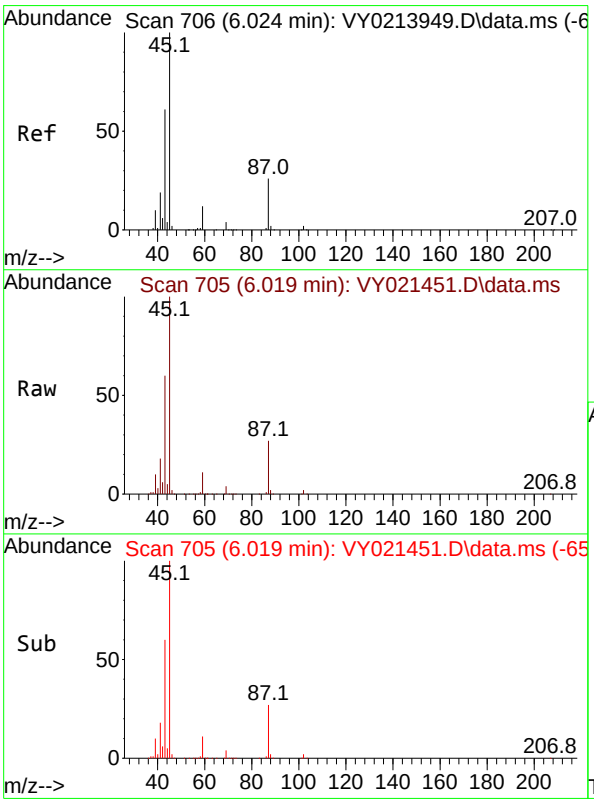
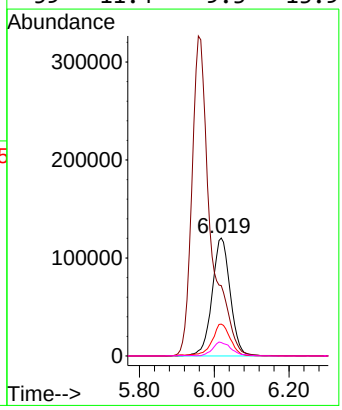
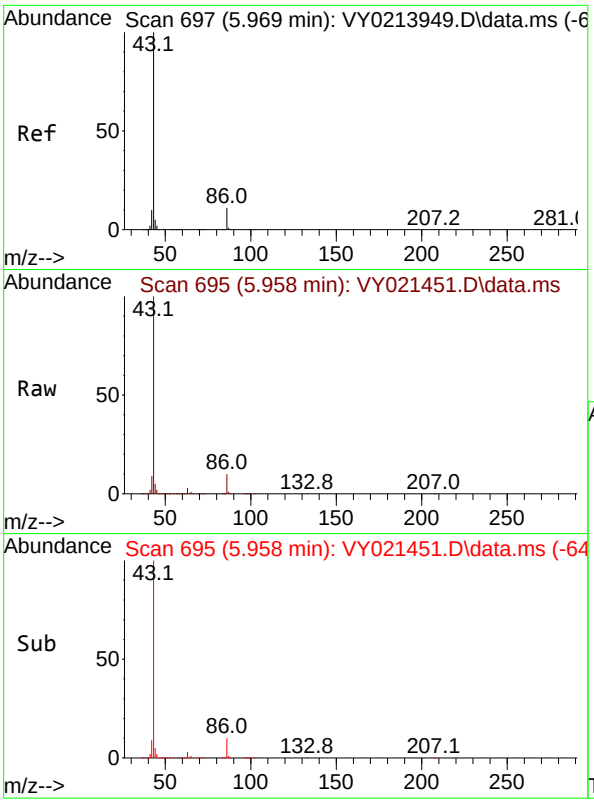


#22
Diisopropyl ether
Concen: 53.324 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 45 Resp: 405674

Ion	Ratio	Lower	Upper
45	100		
43	59.4	48.7	73.1
87	27.0	21.5	32.3
59	11.4	9.3	13.9





#23
Vinyl Acetate
Concen: 259.094 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.012 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 43 Resp: 112492

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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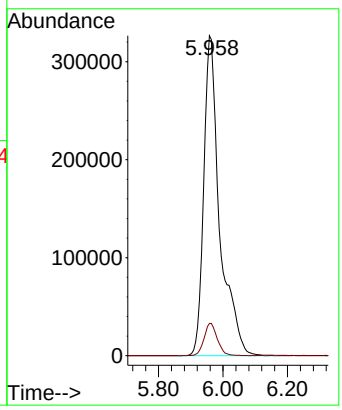
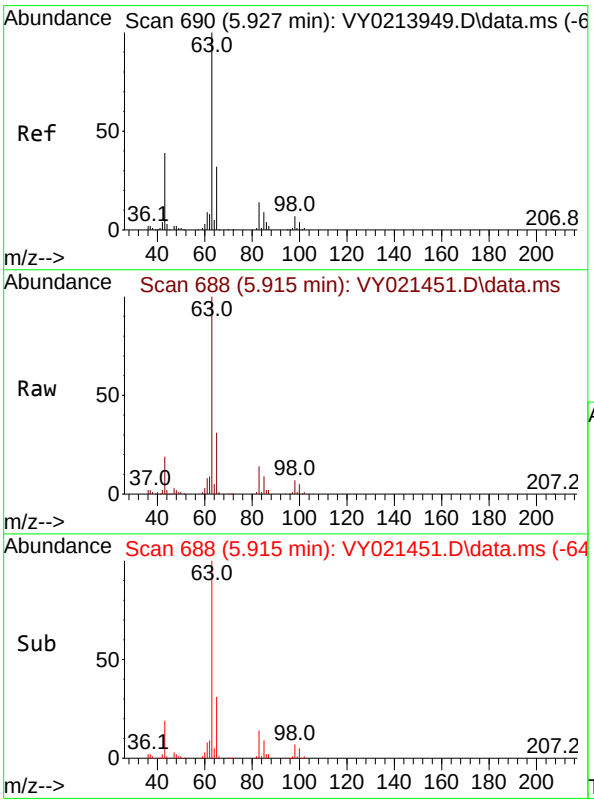
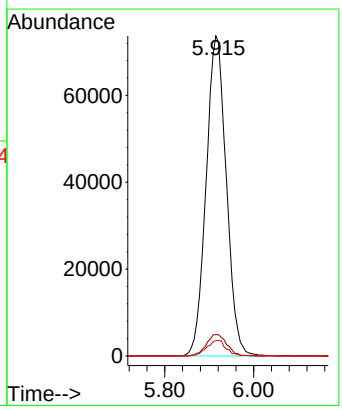


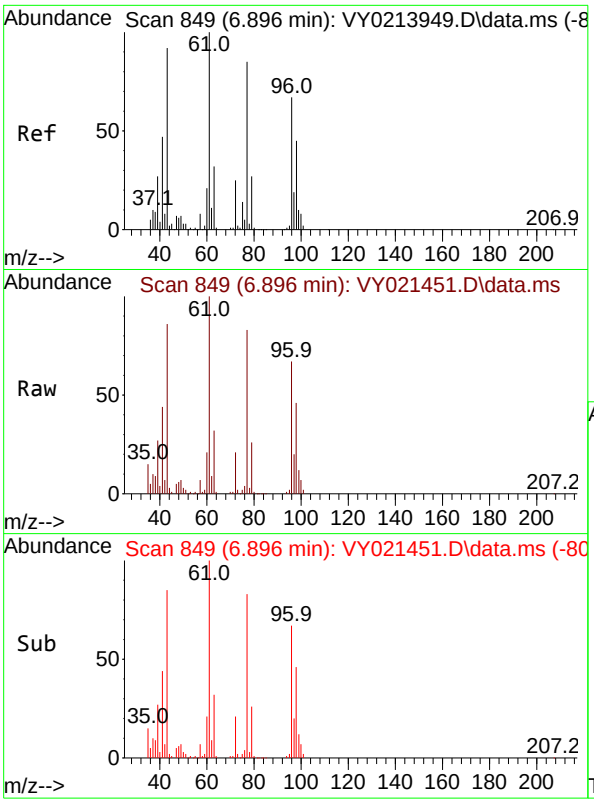


#24
1,1-Dichloroethane
Concen: 51.872 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.012 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 63 Resp: 232909

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.3	9.9
100	4.8	2.1	6.5





#25
2-Butanone
Concen: 255.158 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 43 Resp: 17303

Ion	Ratio	Lower	Upper
43	100		
72	24.1	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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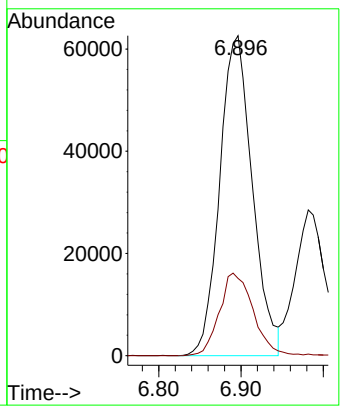
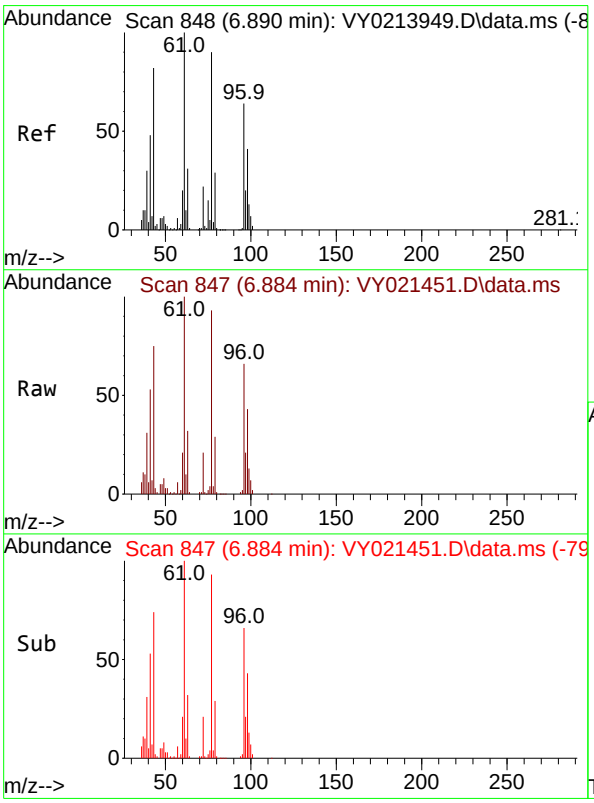
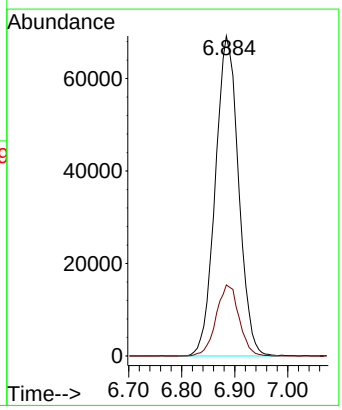


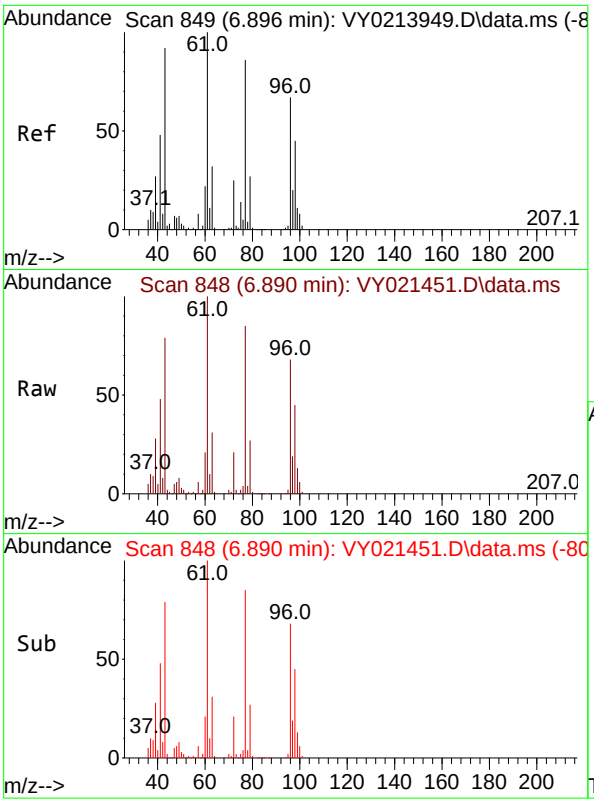


#26
2,2-Dichloropropane
Concen: 51.037 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 77 Resp: 210852

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 51.675 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 96 Resp: 14361

Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	300.8
98	65.1	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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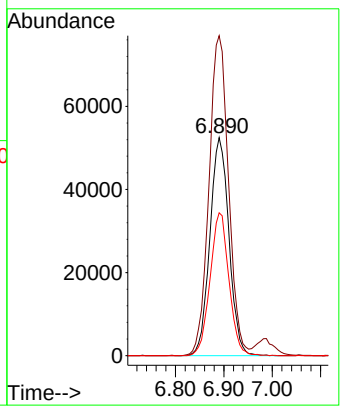
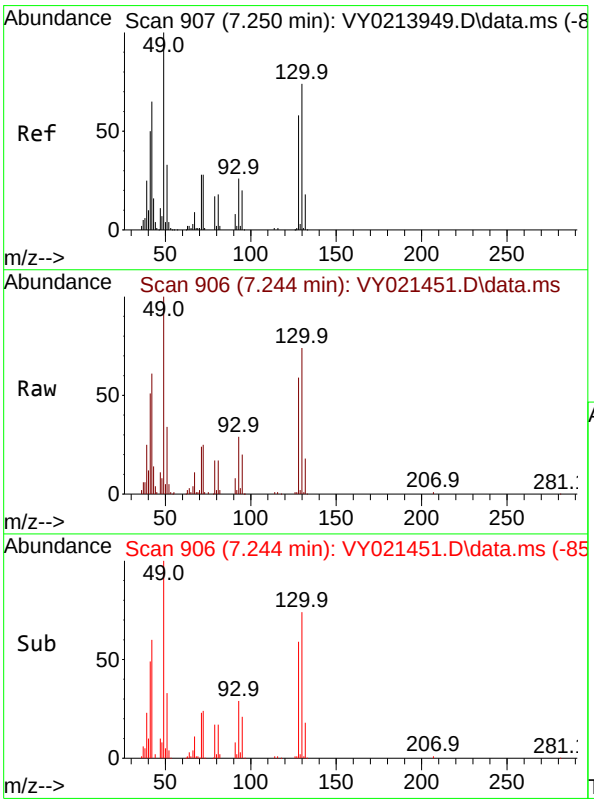
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

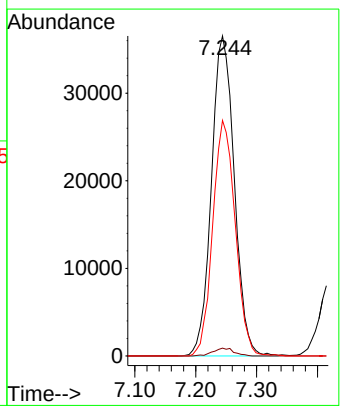


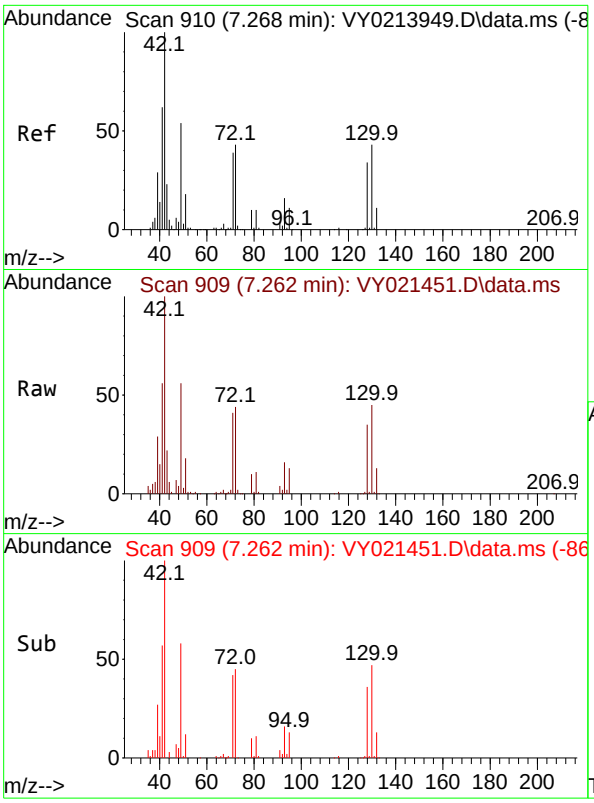


#28
Bromochloromethane
Concen: 50.561 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 49 Resp: 95177

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	72.6	59.6	89.4

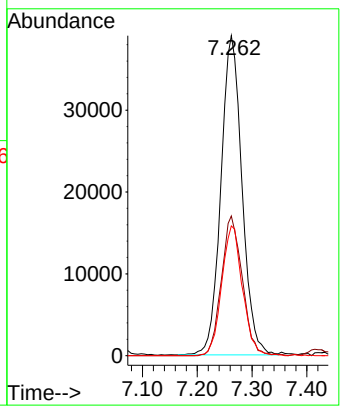




#29
Tetrahydrofuran
Concen: 249.797 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 42 Resp: 10457

Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.8	52.2
71	40.0	32.6	48.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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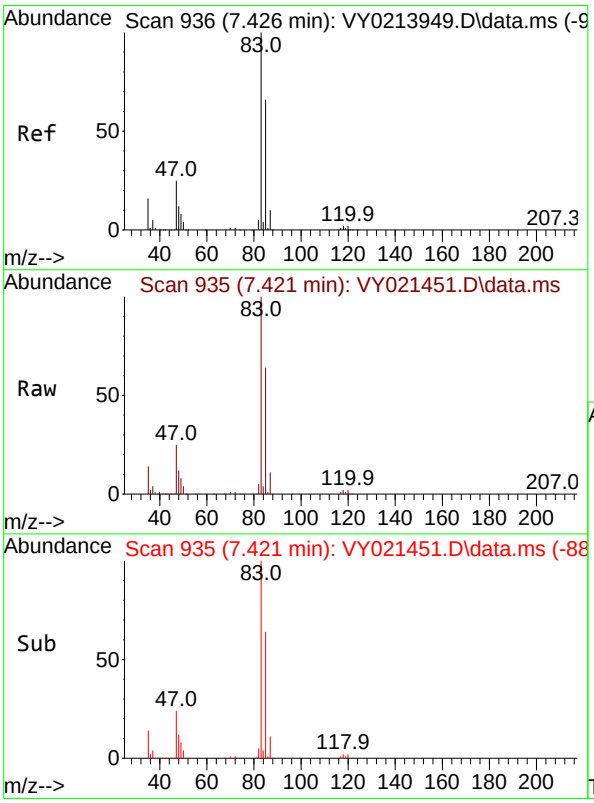
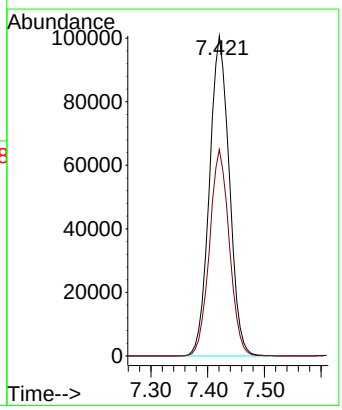
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

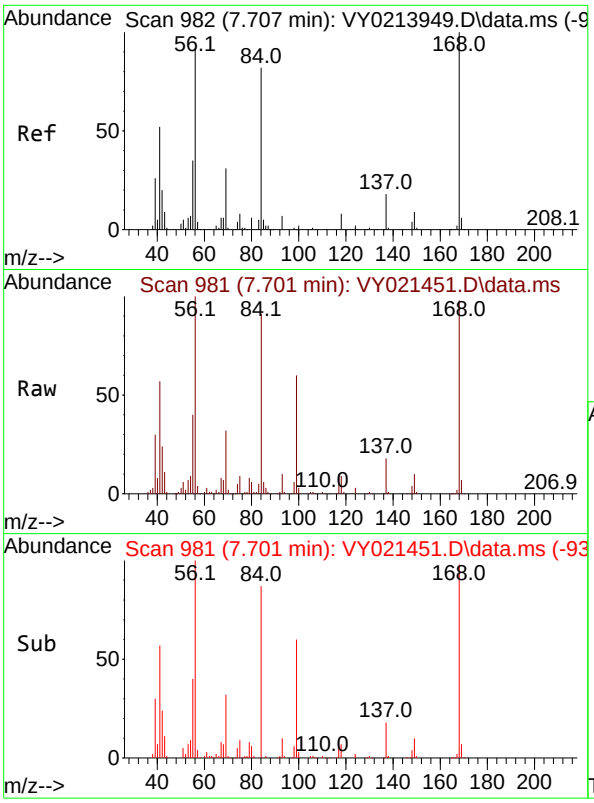


#30
Chloroform
Concen: 52.525 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 83 Resp: 244896

Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.1	79.7





#31
Cyclohexane
Concen: 49.578 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 56 Resp: 20869

Ion	Ratio	Lower	Upper
56	100		
69	32.1	27.0	40.4
84	88.8	71.1	106.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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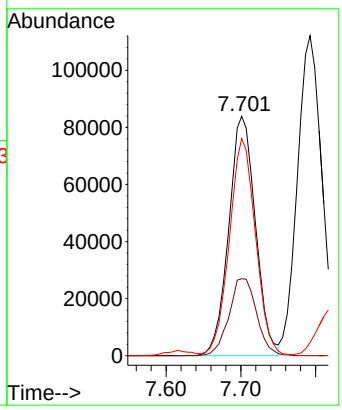
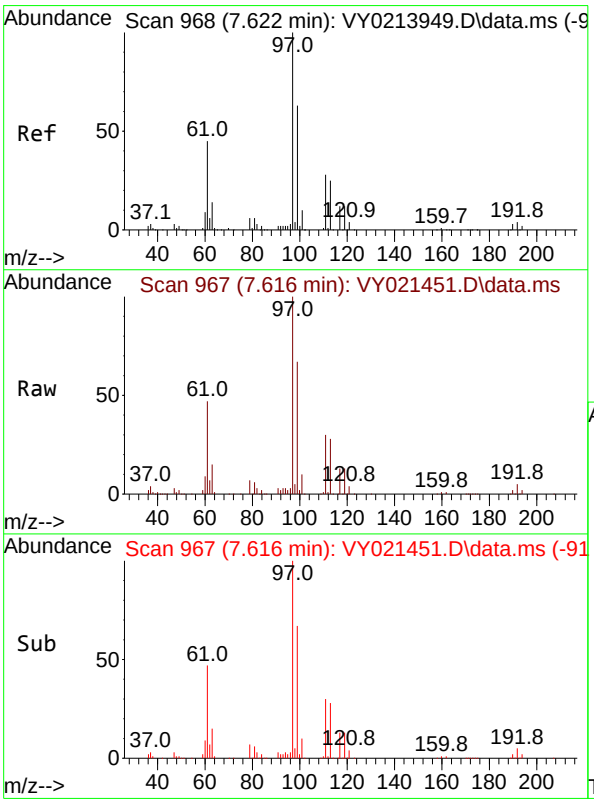
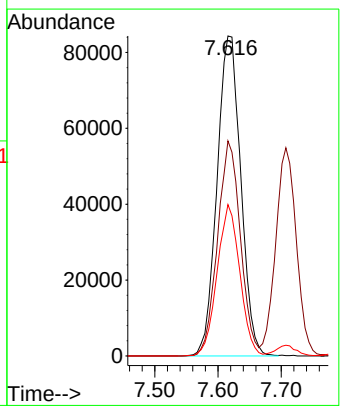


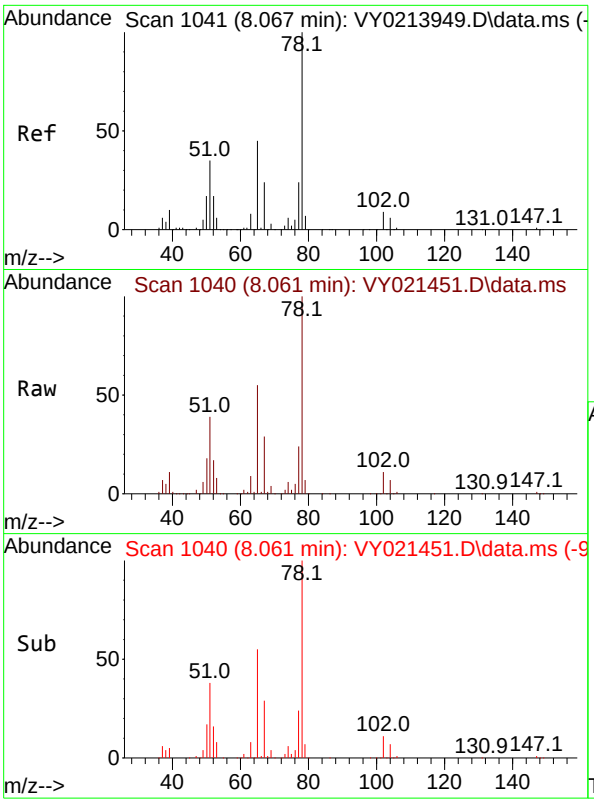


#32
1,1,1-Trichloroethane
Concen: 51.456 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 97 Resp: 219670

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	45.2	35.7	53.5





#33
1,2-Dichloroethane-d4
Concen: 52.673 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 65 Resp: 11838

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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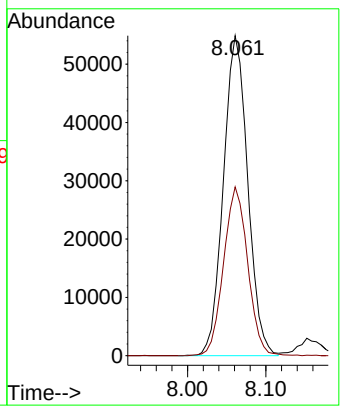
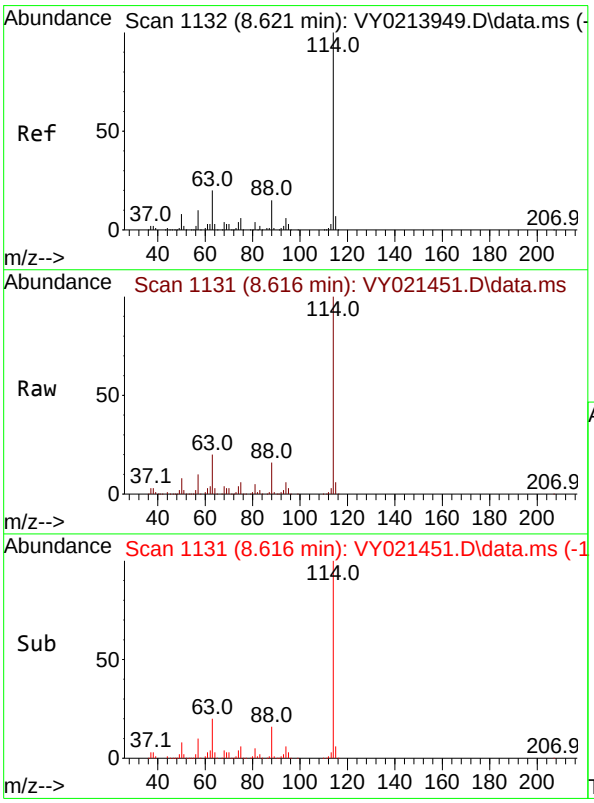
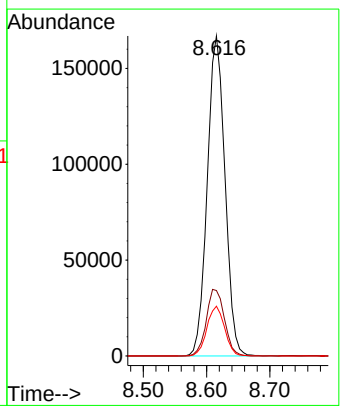


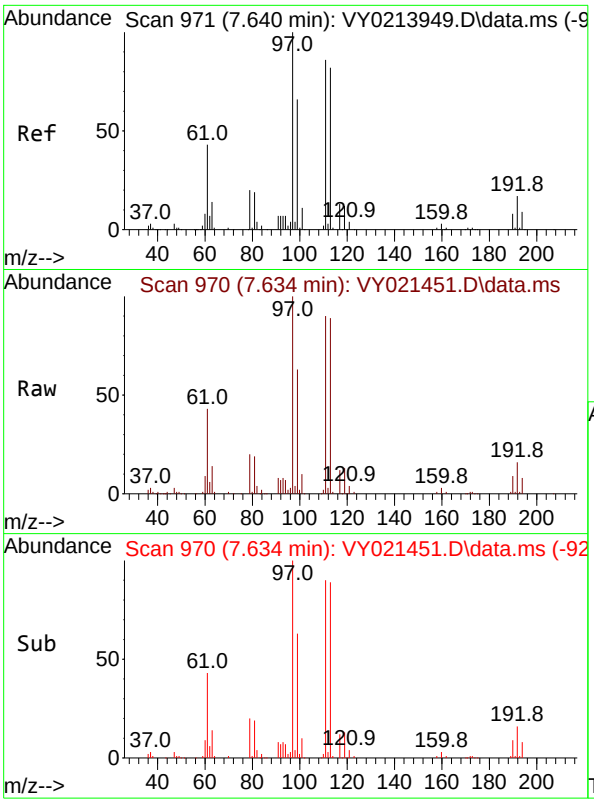


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:114 Resp: 324643

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.8
88	15.6	0.0	30.8

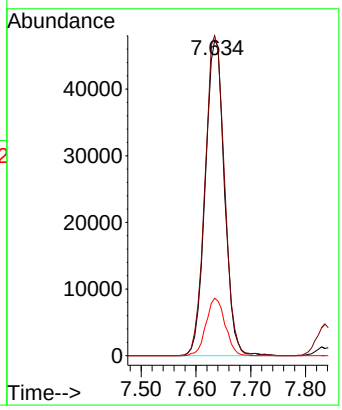




#35
Dibromofluoromethane
Concen: 53.591 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:113 Resp: 11435

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.0	123.0
192	18.2	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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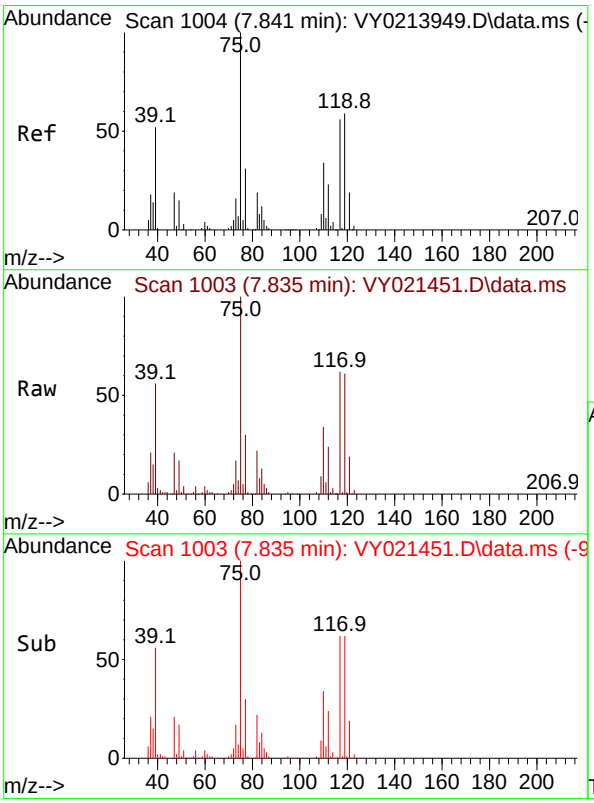
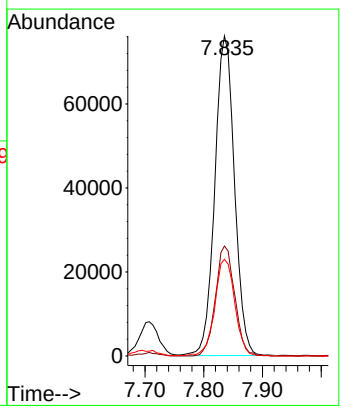
Supervised By :Semsettin Yesilyurt 03/11/2025

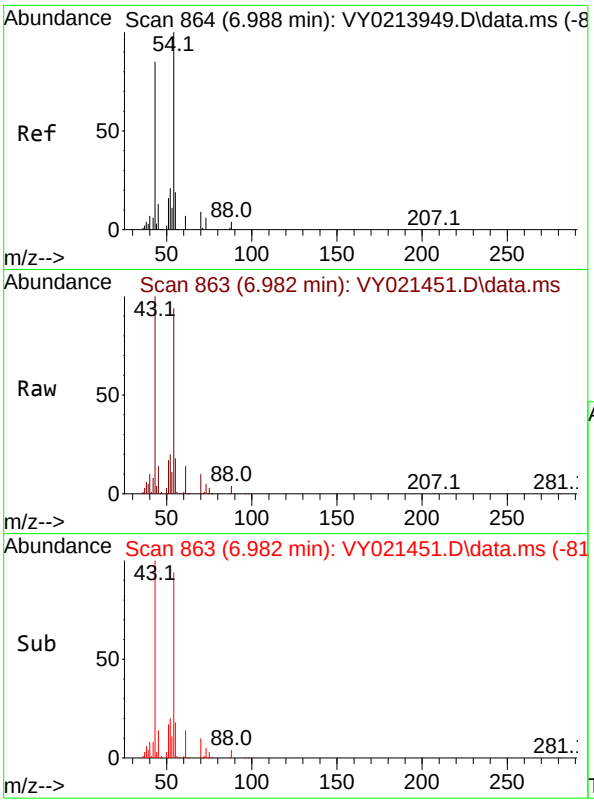


#36
1,1-Dichloropropene
Concen: 52.968 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 75 Resp: 176927

Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.3	51.7
77	30.8	25.4	38.2





#37
Ethyl Acetate
Concen: 50.906 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 43 Resp: 7515

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.4	17.0
70	9.8	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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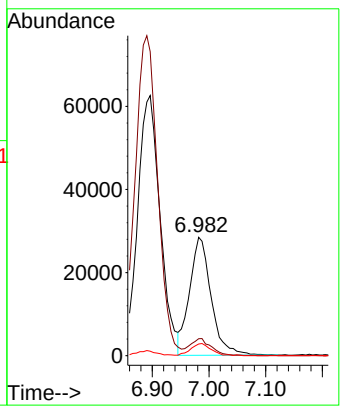
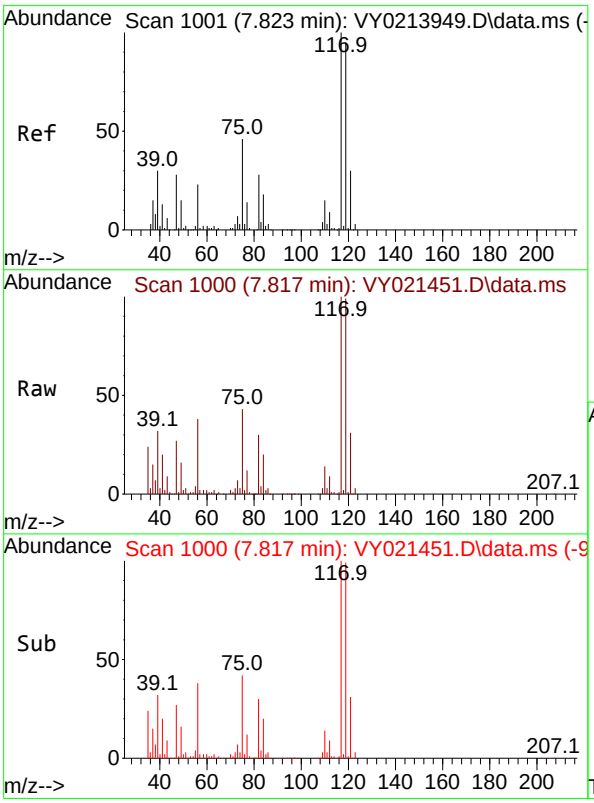
Supervised By :Semsettin Yesilyurt 03/11/2025

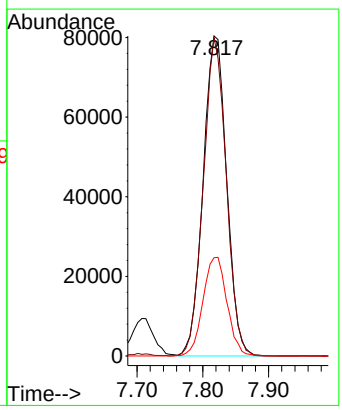


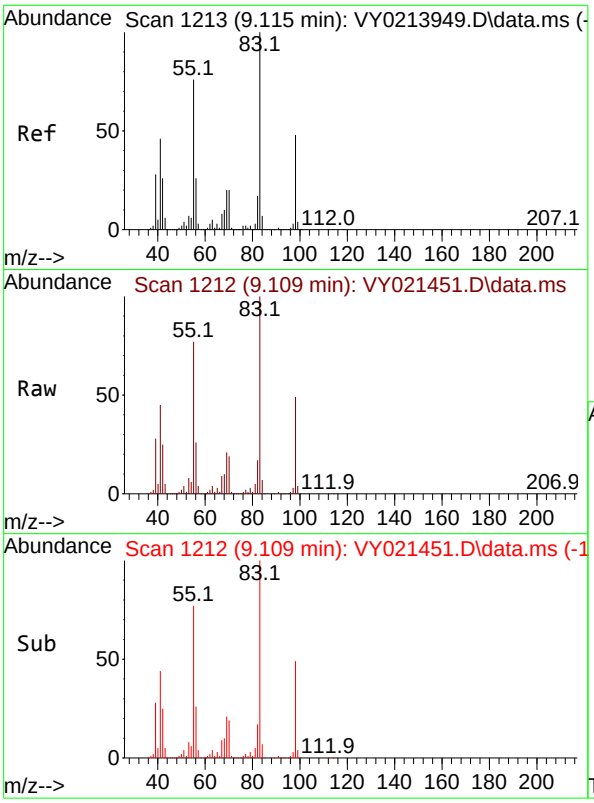


#38
Carbon Tetrachloride
Concen: 52.161 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:117 Resp: 200378

Ion	Ratio	Lower	Upper
117	100		
119	99.3	75.8	113.8
121	30.7	23.9	35.9





#39
Methylcyclohexane
Concen: 53.775 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 83 Resp: 22032

Ion	Ratio	Lower	Upper
83	100		
55	77.0	60.7	91.1
98	48.8	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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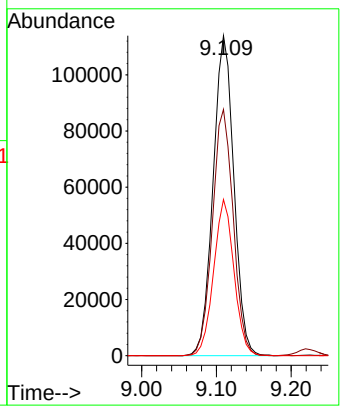
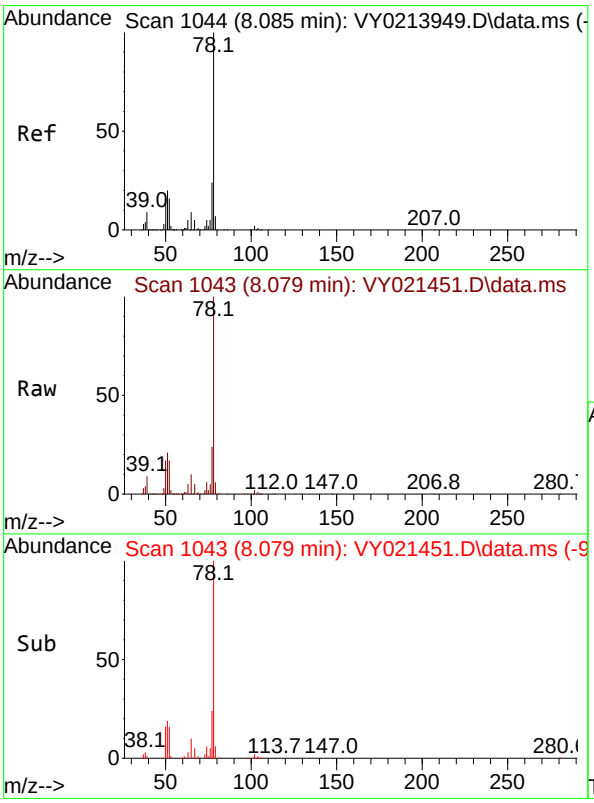
Supervised By :Semsettin Yesilyurt 03/11/2025

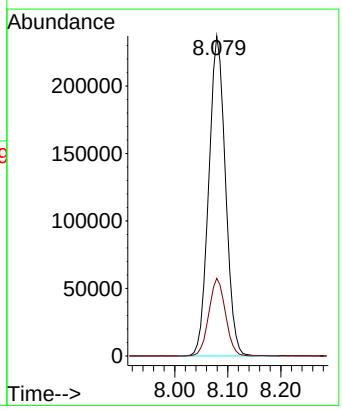


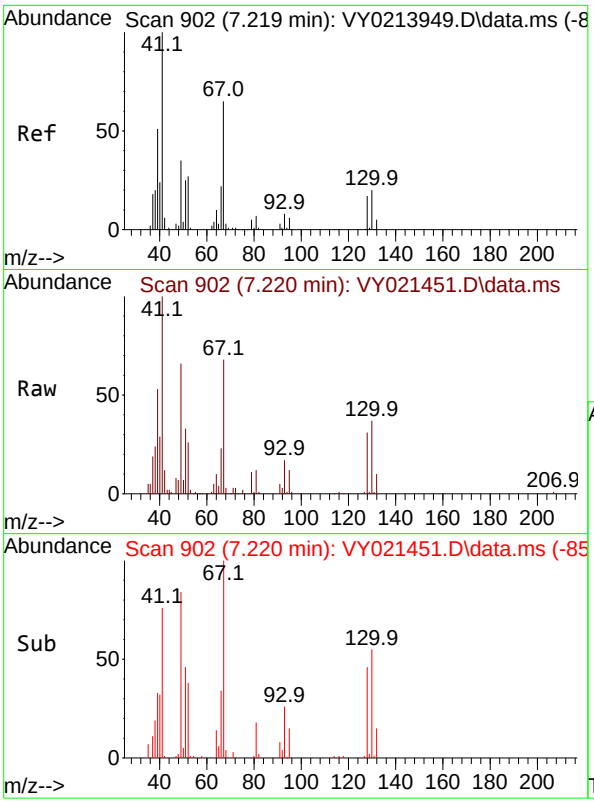


#40
Benzene
Concen: 52.639 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 78 Resp: 517955

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4

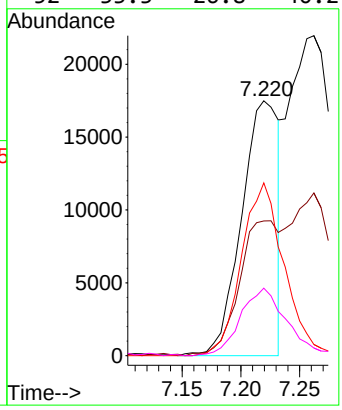




#41
Methacrylonitrile
Concen: 47.747 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 41 Resp: 3838

Ion	Ratio	Lower	Upper
41	100		
39	55.8	35.0	52.6
67	78.6	61.2	91.8
52	33.3	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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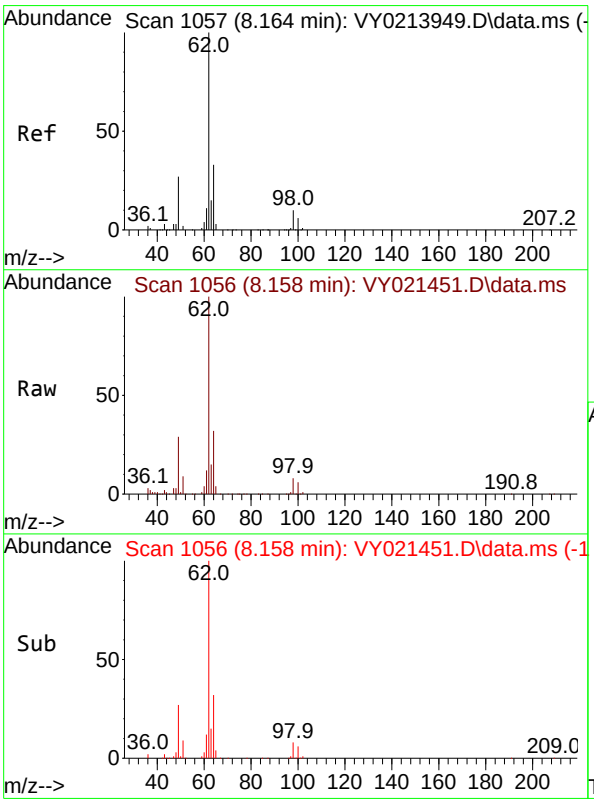
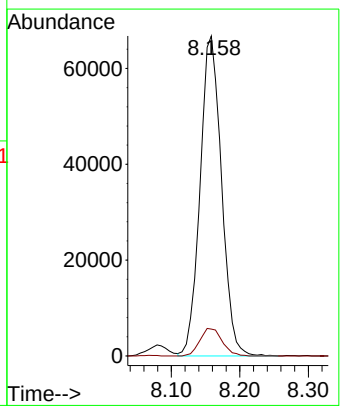
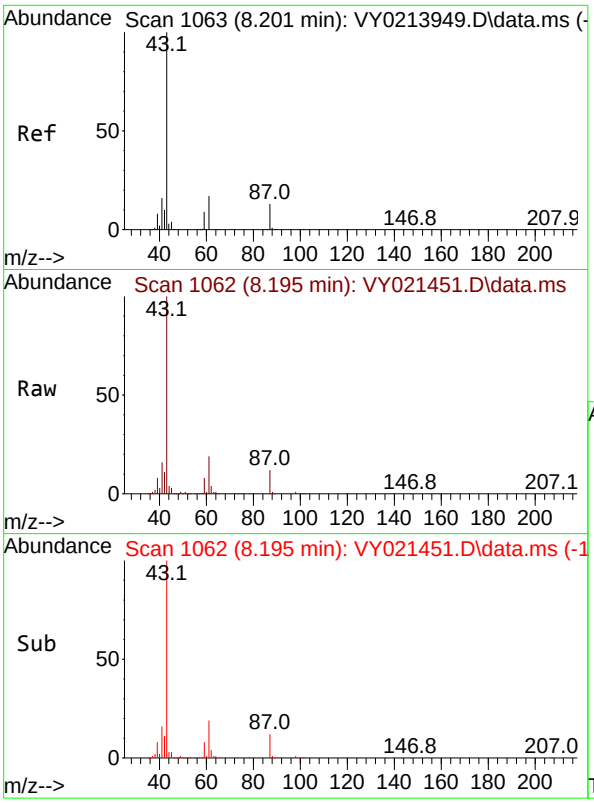


#42
1,2-Dichloroethane
Concen: 52.784 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 62 Resp: 145297

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2

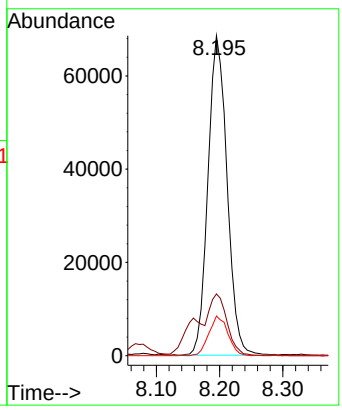




#43
Isopropyl Acetate
Concen: 50.147 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 43 Resp: 14371

Ion	Ratio	Lower	Upper
43	100		
61	17.9	23.4	35.0
87	12.4	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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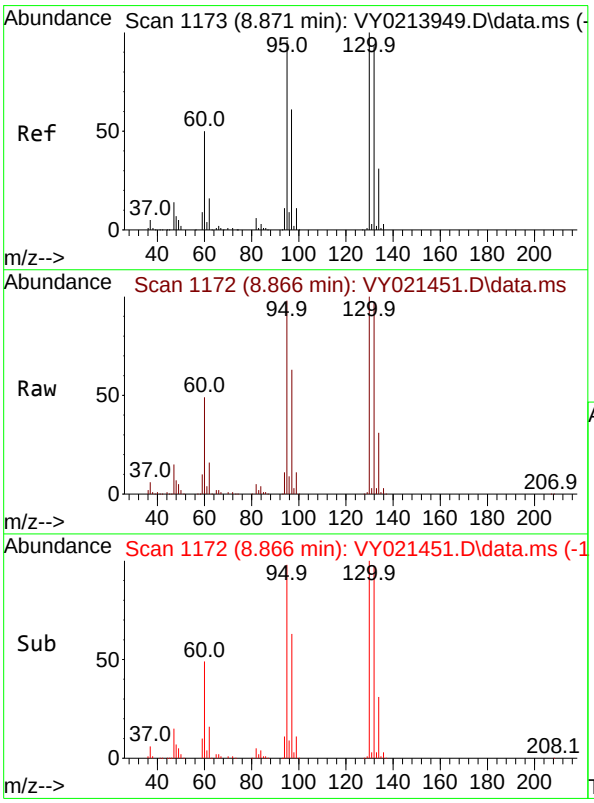
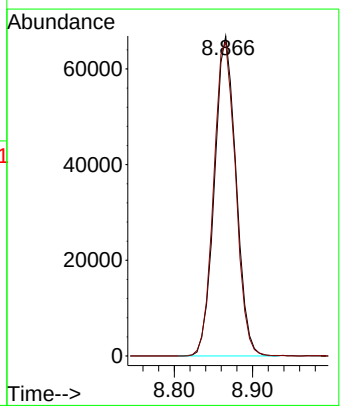
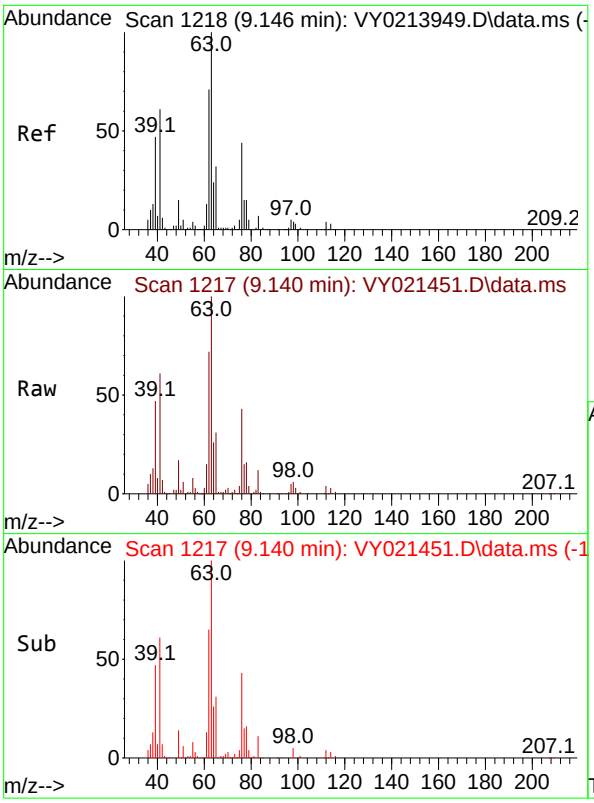


#44
Trichloroethene
Concen: 51.581 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:130 Resp: 128256

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	191.6





#45
1,2-Dichloropropane
Concen: 53.180 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 63 Resp: 12453

Ion	Ratio	Lower	Upper
63	100		
65	31.2	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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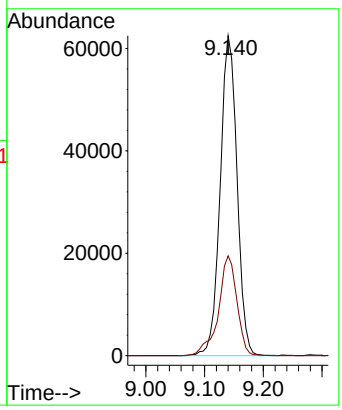
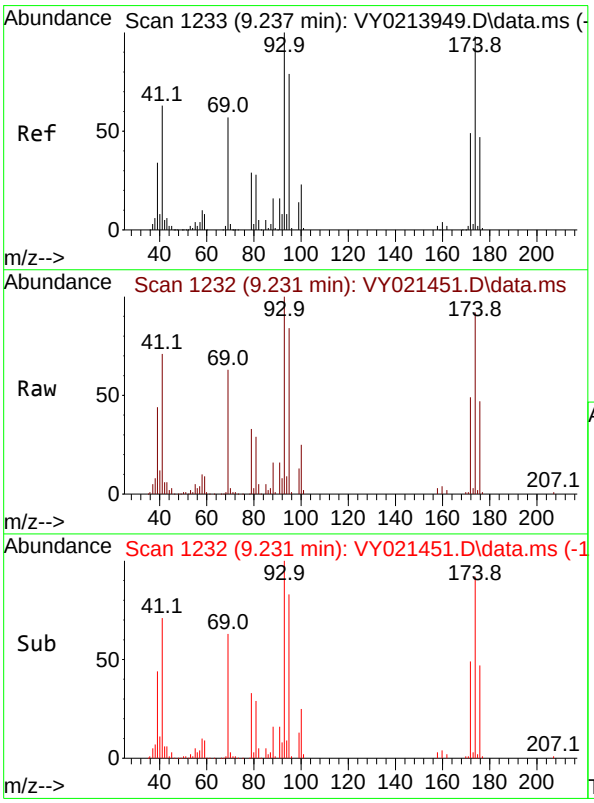
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

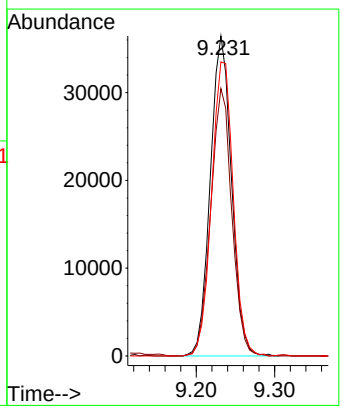


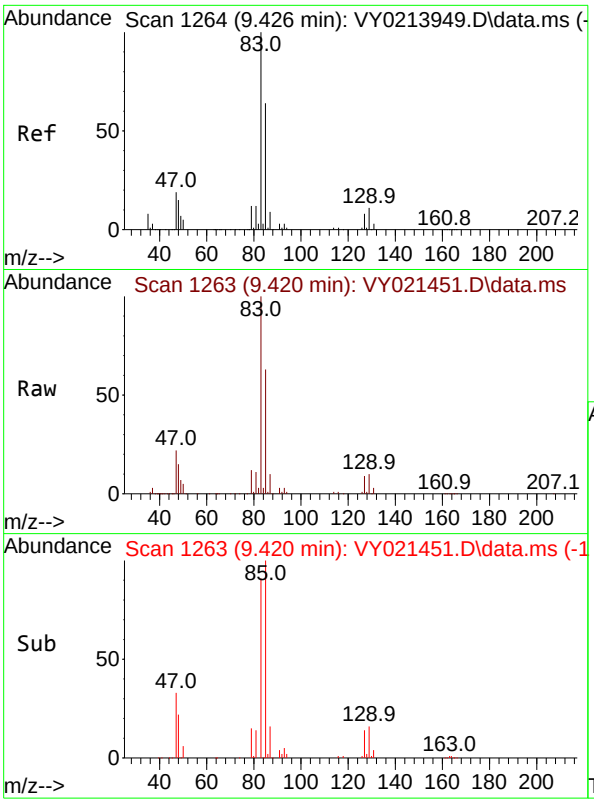


#46
Dibromomethane
Concen: 52.704 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 93 Resp: 68675

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.8	98.8
174	93.9	77.9	116.9

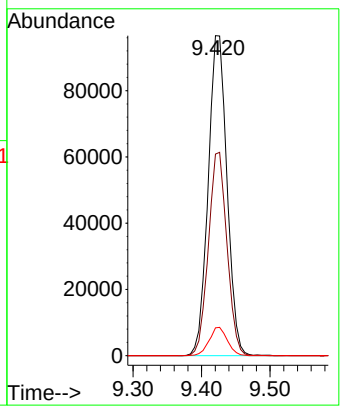




#47
Bromodichloromethane
Concen: 53.225 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 83 Resp: 18418

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	8.7	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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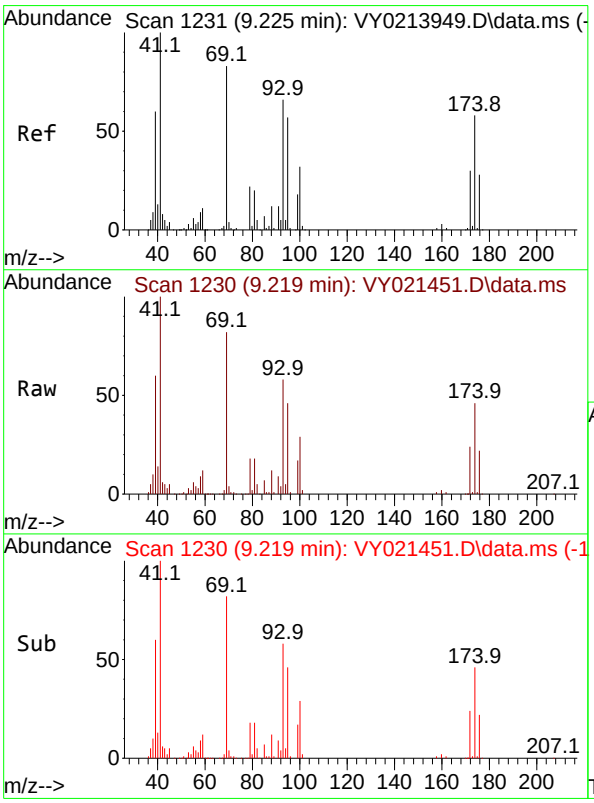
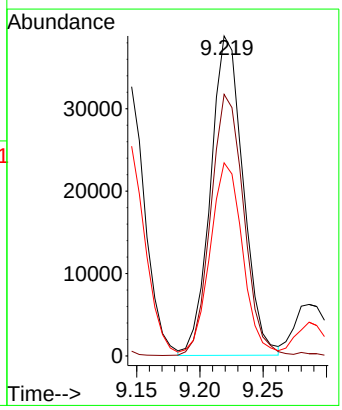
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

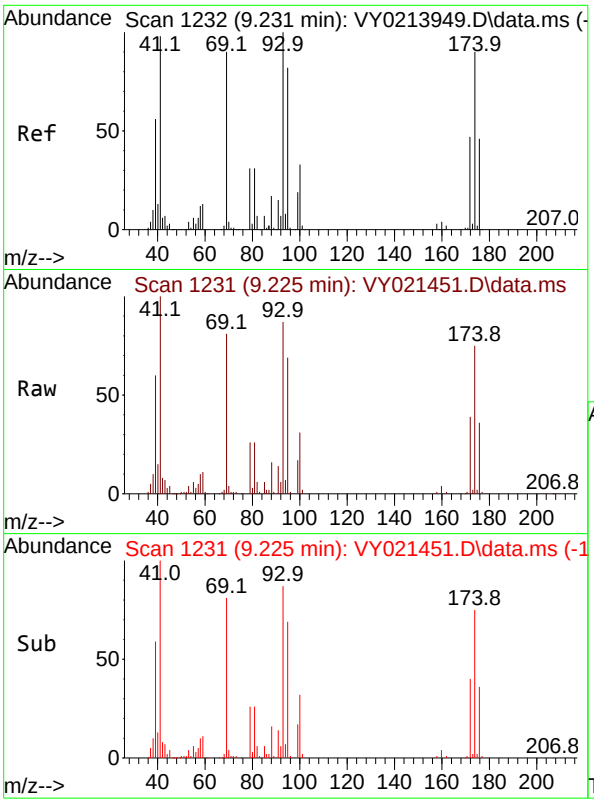


#48
Methyl methacrylate
Concen: 52.875 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 41 Resp: 69586

Ion	Ratio	Lower	Upper
41	100		
69	82.3	67.8	101.8
39	57.9	46.4	69.6





#49
1,4-Dioxane
Concen: 1043.032 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 88 Resp: 1334

Ion	Ratio	Lower	Upper
88	100		
43	35.9	25.0	37.4
58	76.2	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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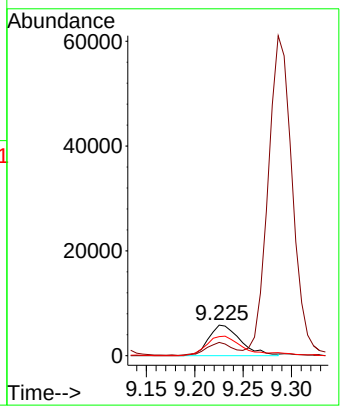
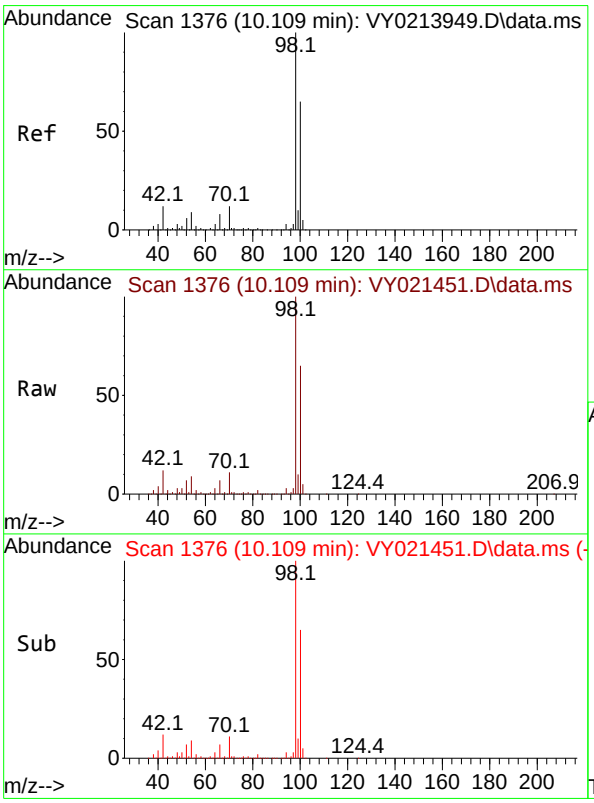
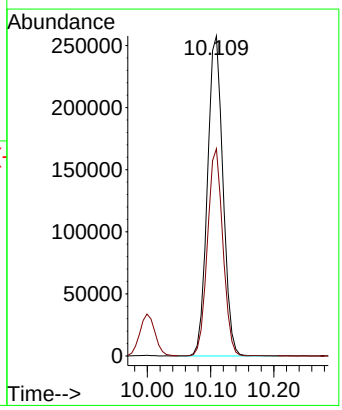


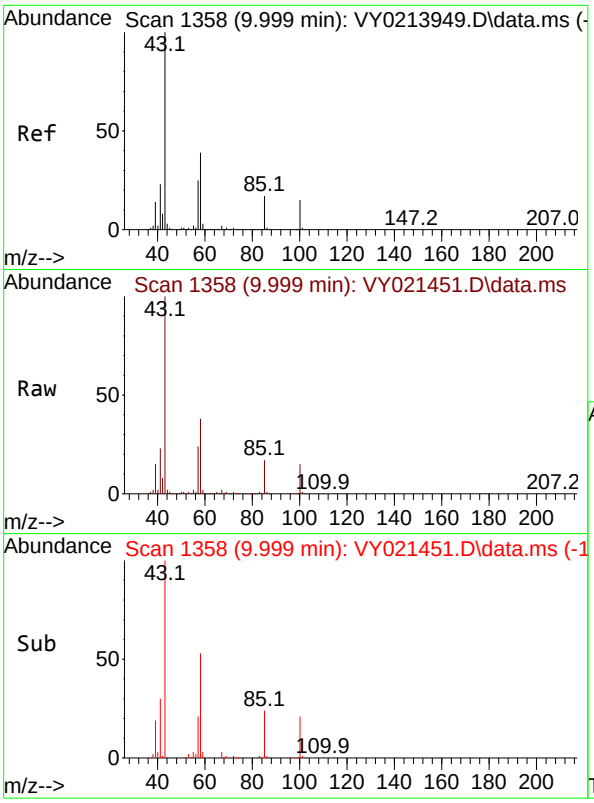


#50
Toluene-d8
Concen: 54.278 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 98 Resp: 438551

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 259.306 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 43 Resp: 38344

Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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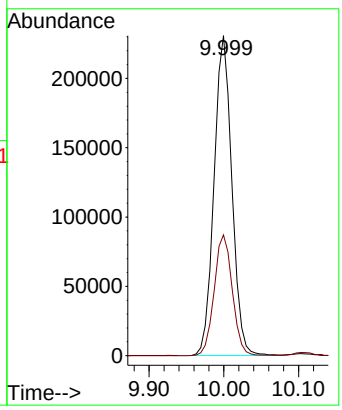
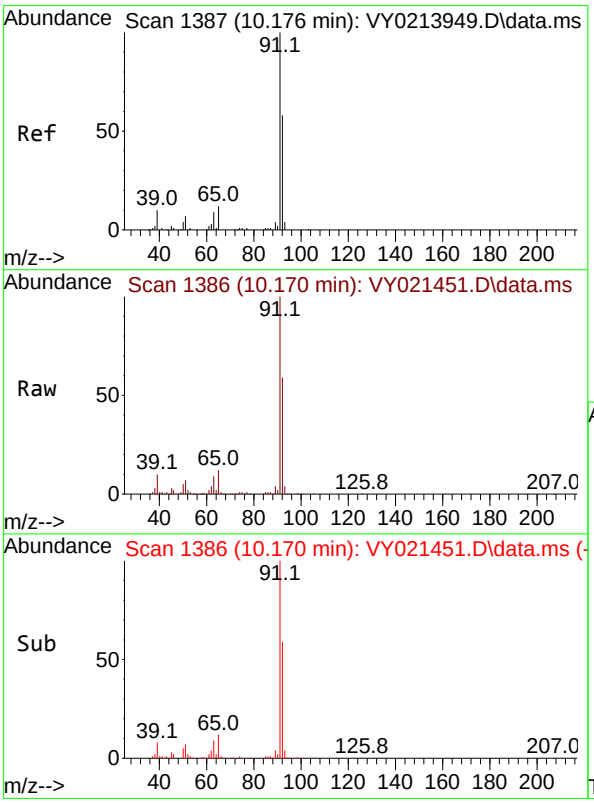
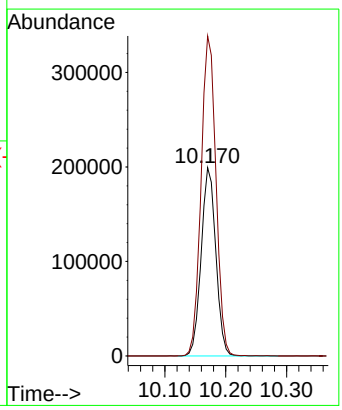


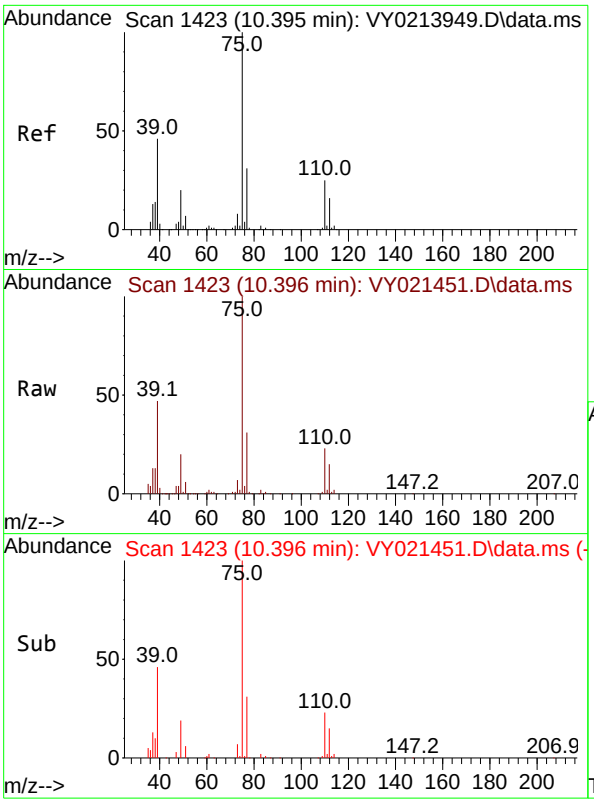


#52
Toluene
Concen: 53.643 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 92 Resp: 332775

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 53.613 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 75 Resp: 16345

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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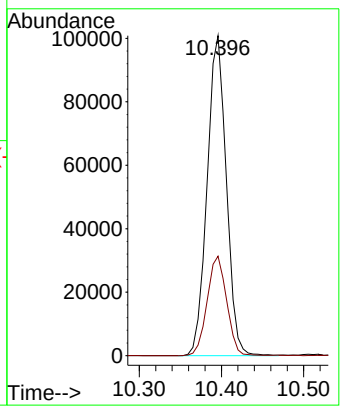
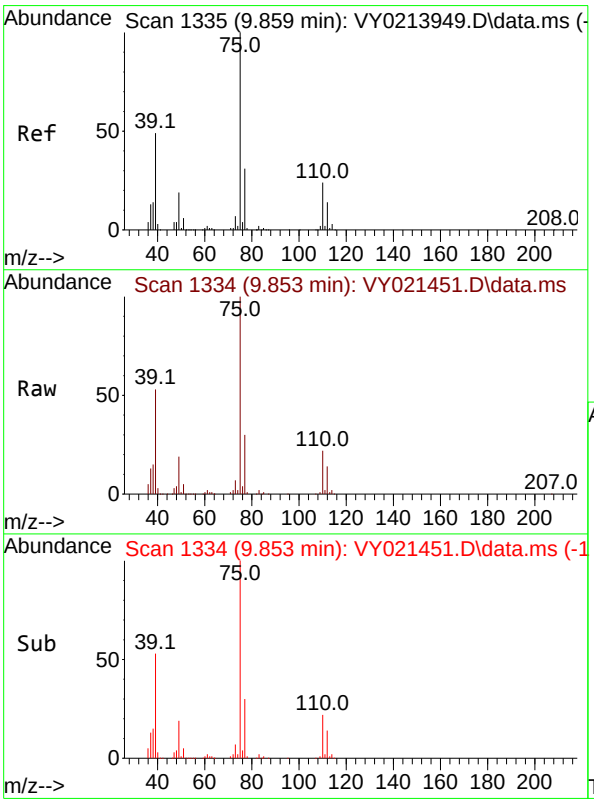
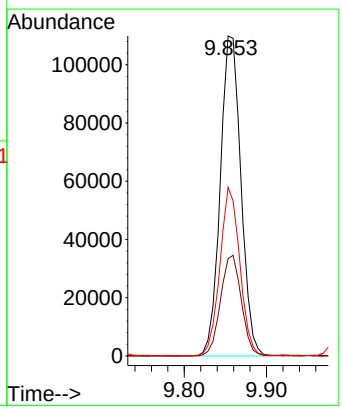


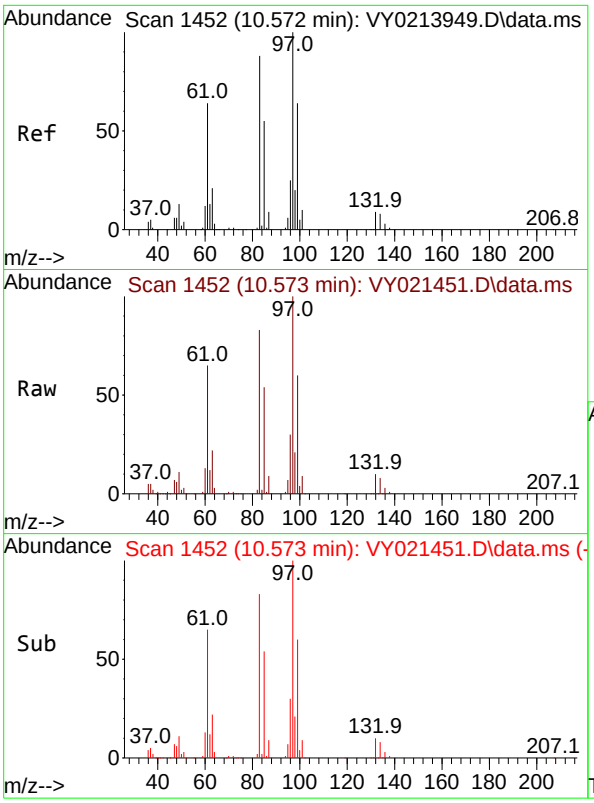


#54
cis-1,3-Dichloropropene
Concen: 53.116 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 75 Resp: 192260

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.6	37.0
39	52.6	39.4	59.2

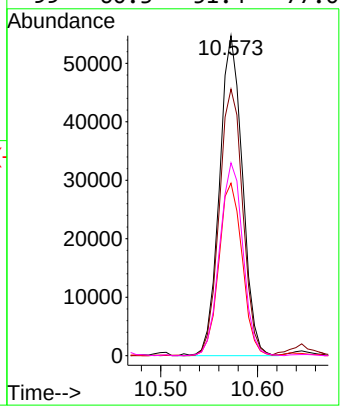




#55
1,1,2-Trichloroethane
Concen: 52.982 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 97 Resp: 9030

Ion	Ratio	Lower	Upper
97	100		
83	83.2	70.0	105.0
85	53.8	44.3	66.5
99	60.3	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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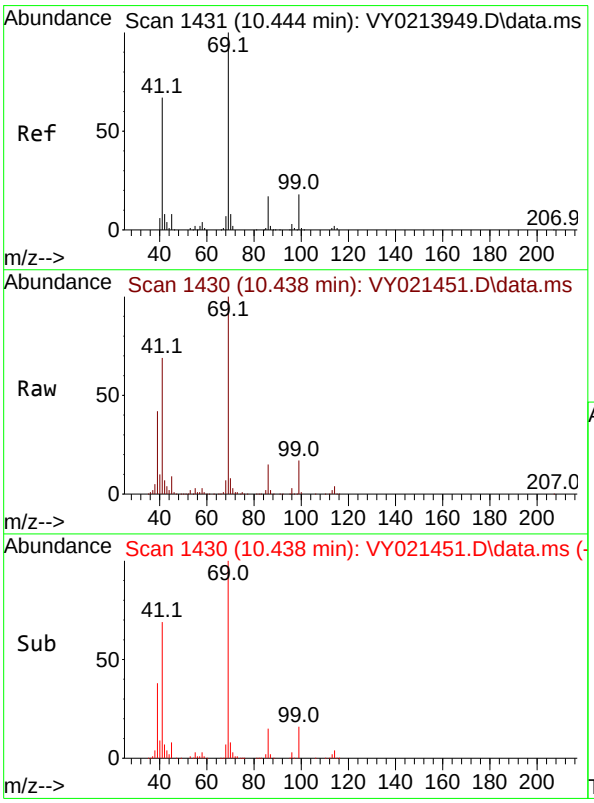
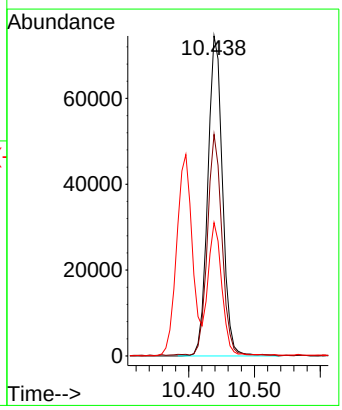
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

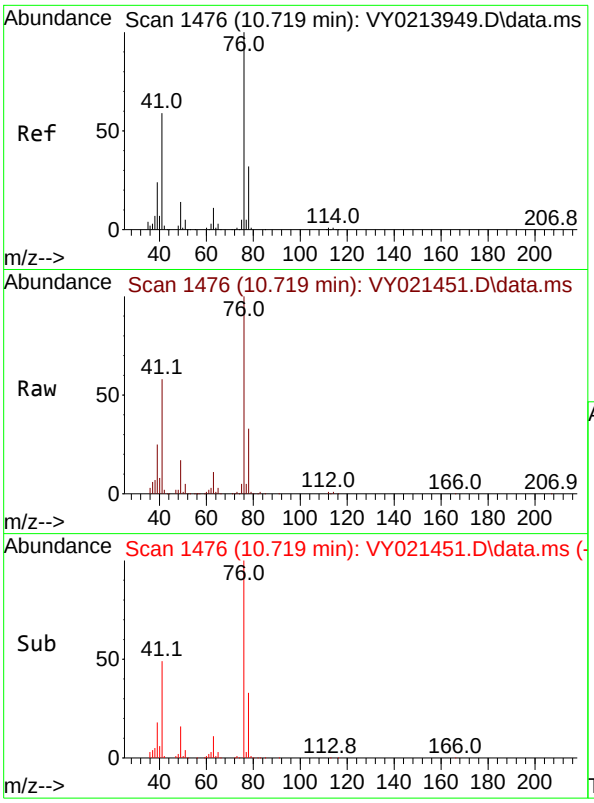


#56
Ethyl methacrylate
Concen: 53.277 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 69 Resp: 115815

Ion	Ratio	Lower	Upper
69	100		
41	67.5	53.3	79.9
39	37.8	31.0	46.6





#57
1,3-Dichloropropane
Concen: 52.334 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 76 Resp: 15460

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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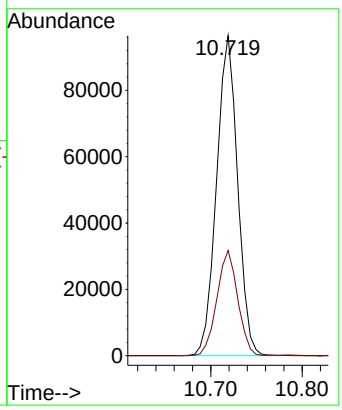
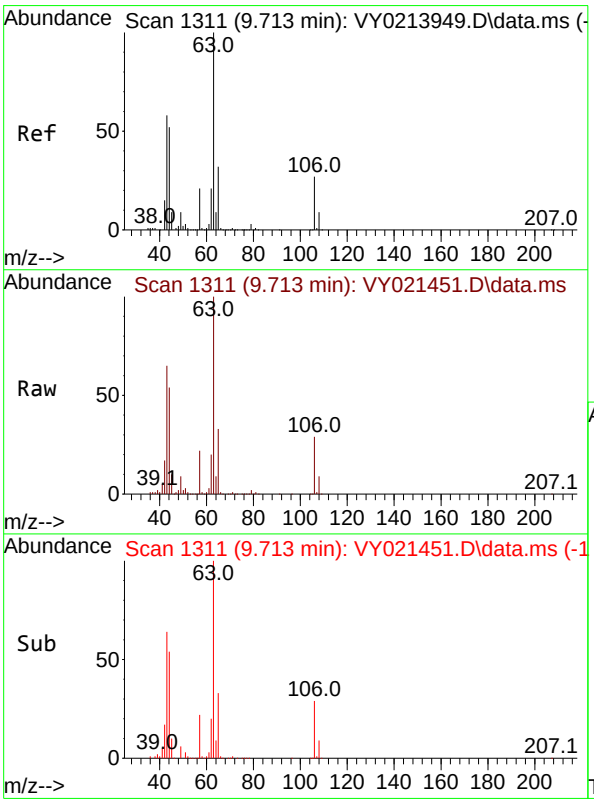
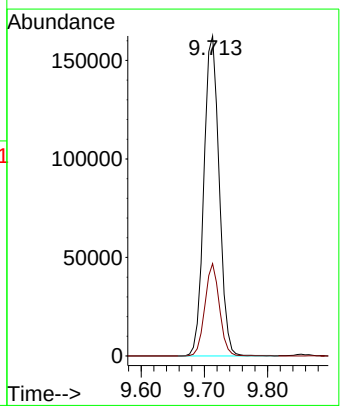


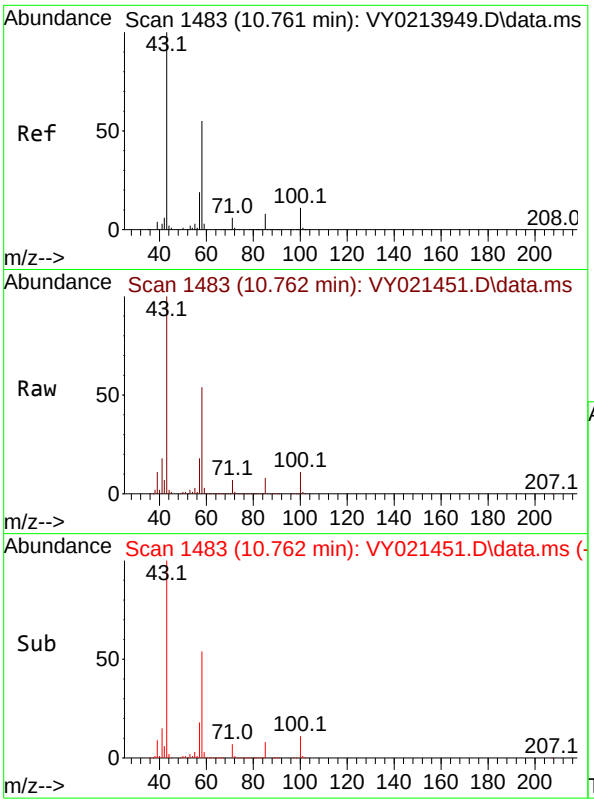


#58
2-Chloroethyl Vinyl ether
Concen: 272.111 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 63 Resp: 273061

Ion	Ratio	Lower	Upper
63	100		
106	27.4	22.1	33.1





#59
2-Hexanone
Concen: 270.623 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 43 Resp: 26461

Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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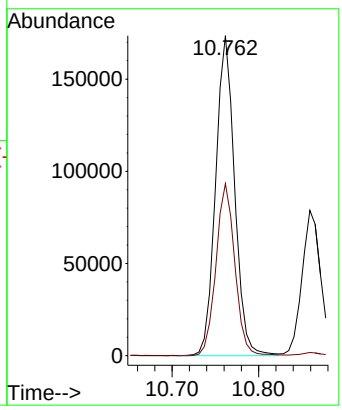
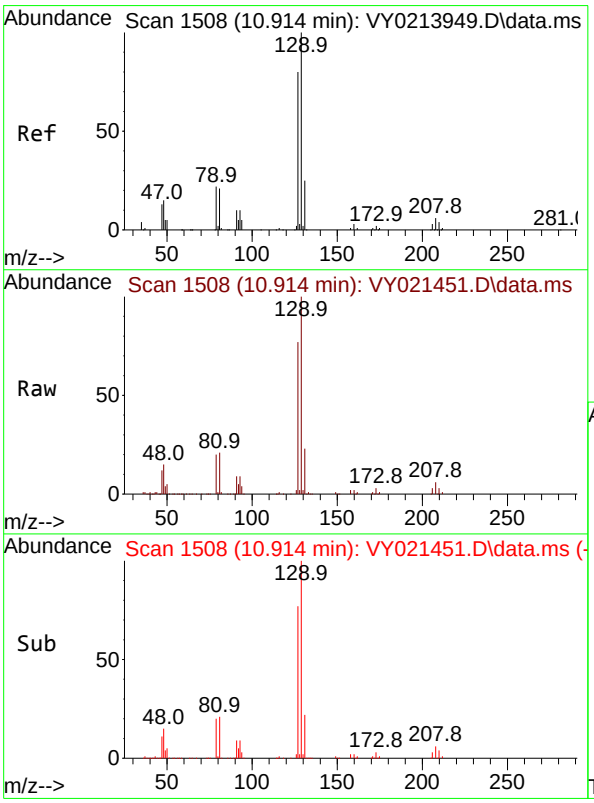
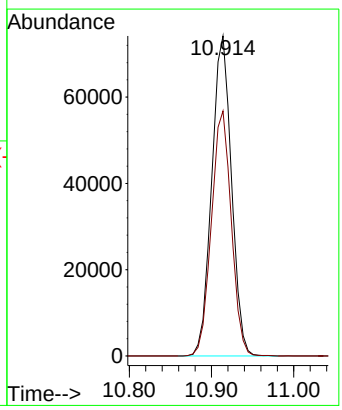


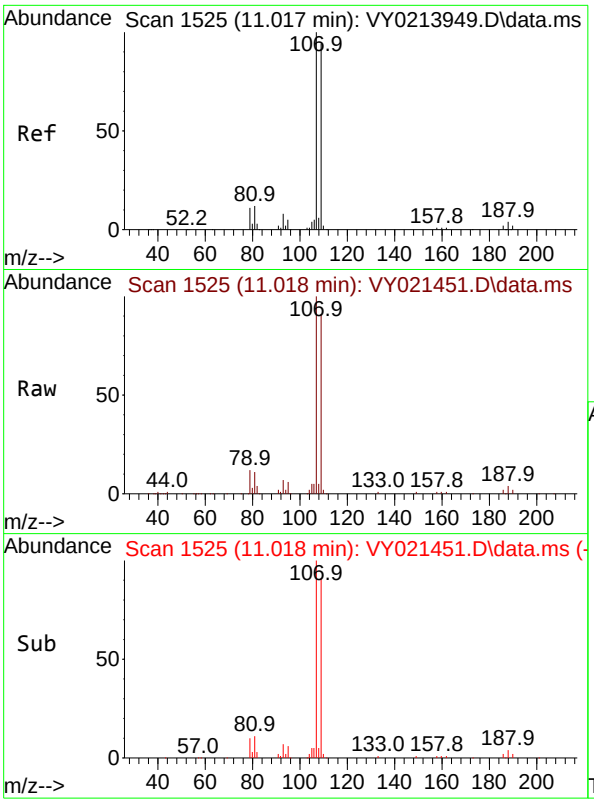


#60
Dibromochloromethane
Concen: 53.002 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:129 Resp: 123851

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.1	117.3





#61
1,2-Dibromoethane
Concen: 51.922 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:107 Resp: 8352

Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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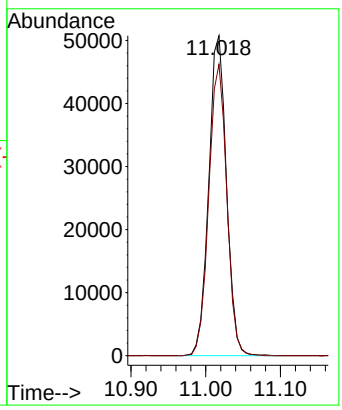
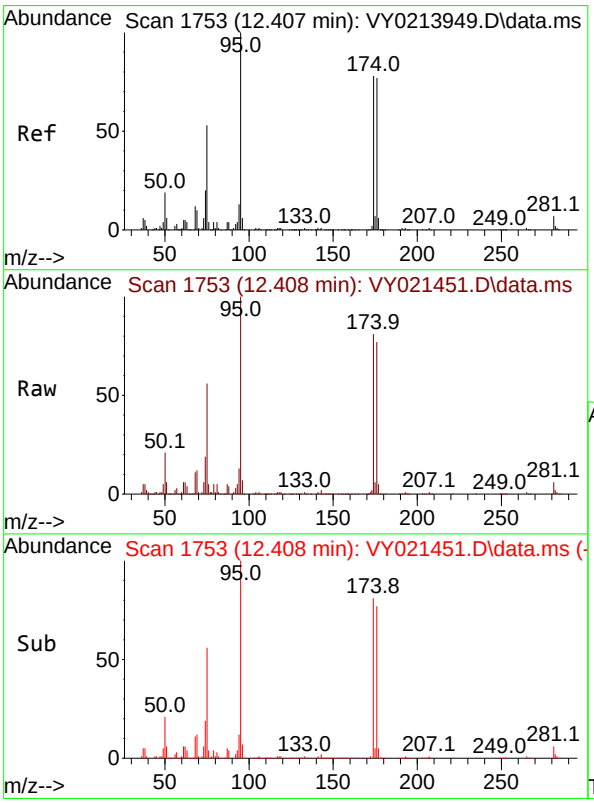
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

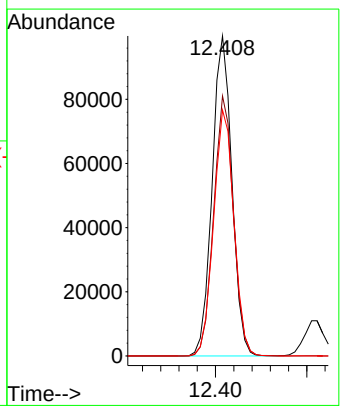


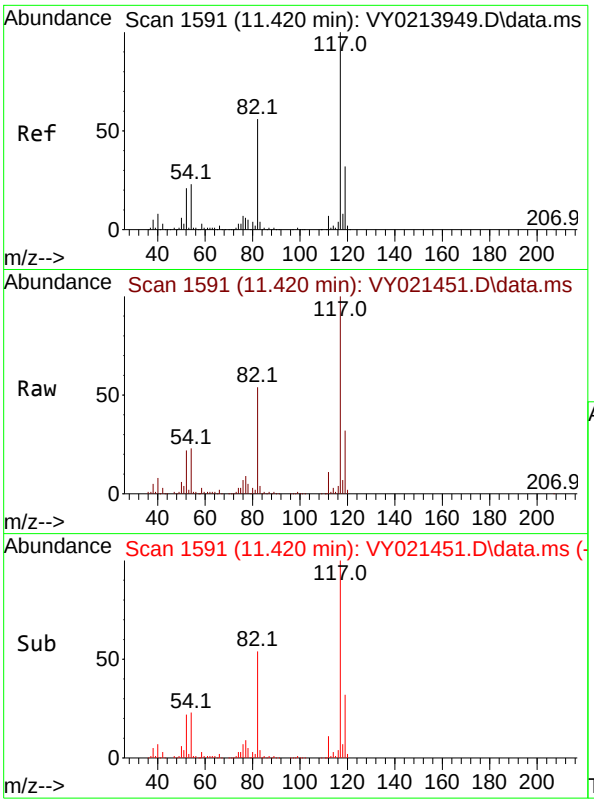


#62
4-Bromofluorobenzene
Concen: 54.511 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 95 Resp: 149818

Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	165.0
176	79.0	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:117 Resp: 29193

Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.6	67.0
119	31.9	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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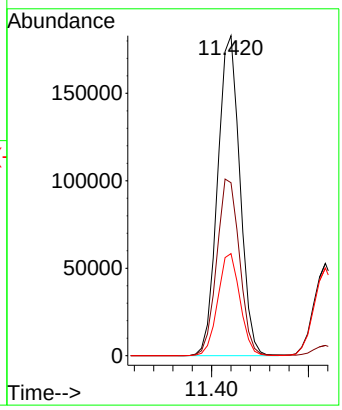
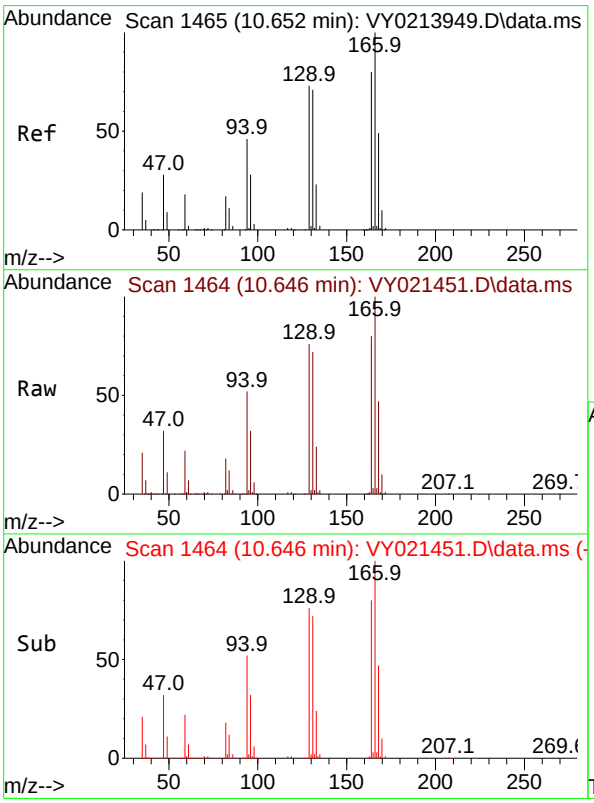
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

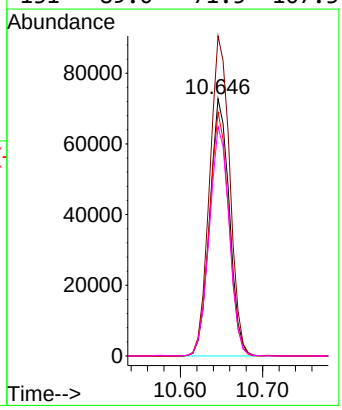


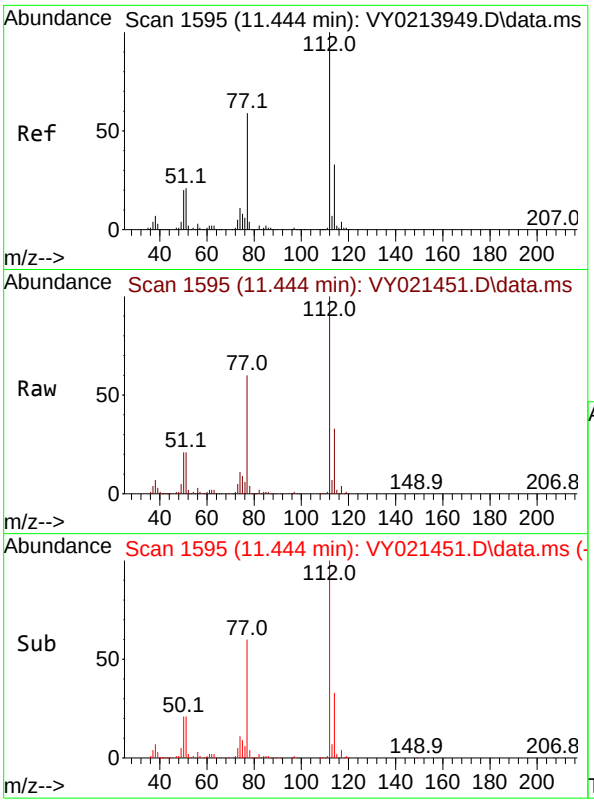


#64
Tetrachloroethene
Concen: 50.830 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:164 Resp: 120667

Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.4	150.6
129	94.7	73.8	110.8
131	89.0	71.5	107.3

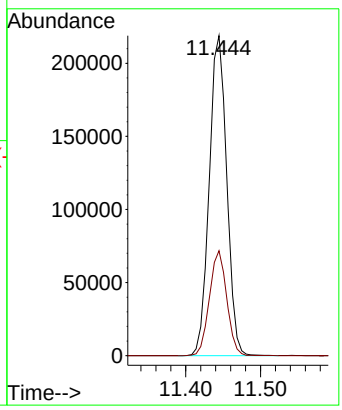




#65
Chlorobenzene
Concen: 51.617 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:112 Resp: 35584

Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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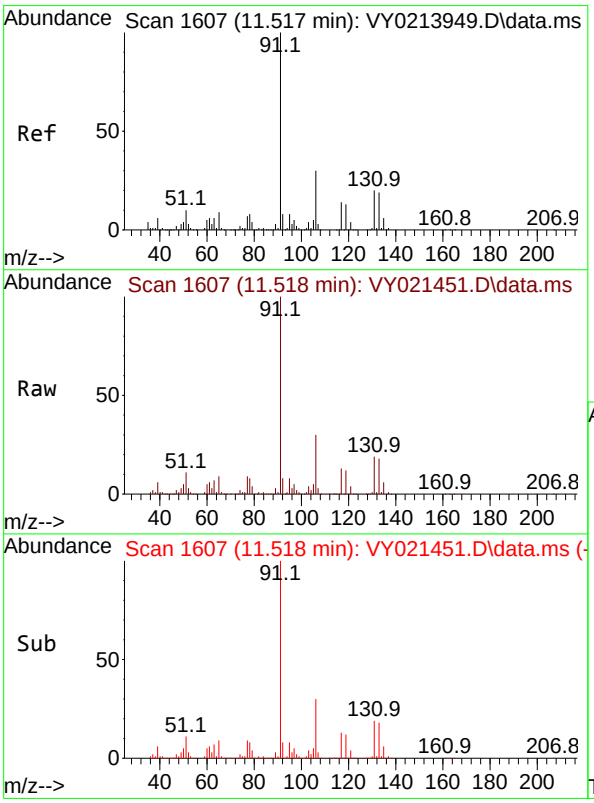
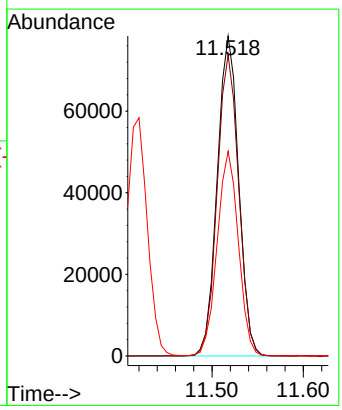
Supervised By :Semsettin Yesilyurt 03/11/2025

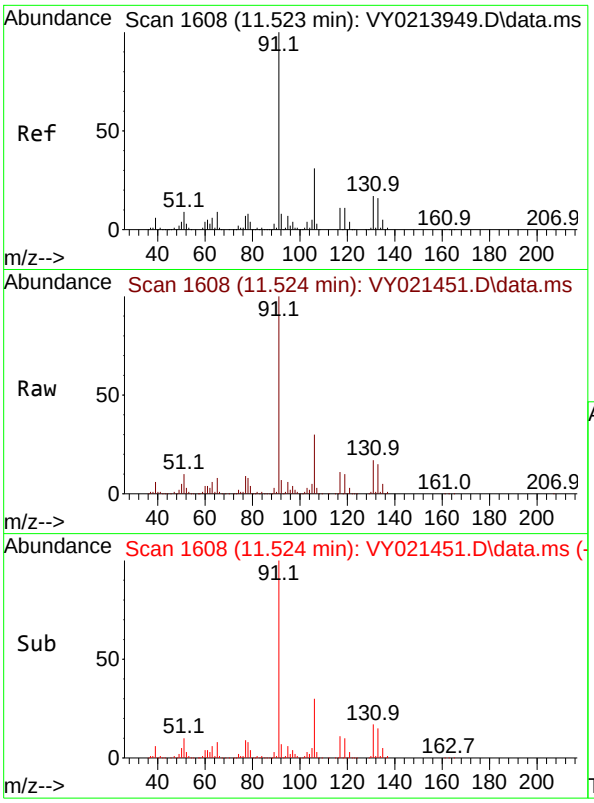


#66
1,1,1,2-Tetrachloroethane
Concen: 52.396 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:131 Resp: 127708

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.6	142.9
119	63.5	32.3	96.9





#67
Ethyl Benzene
Concen: 53.561 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 91 Resp: 64810

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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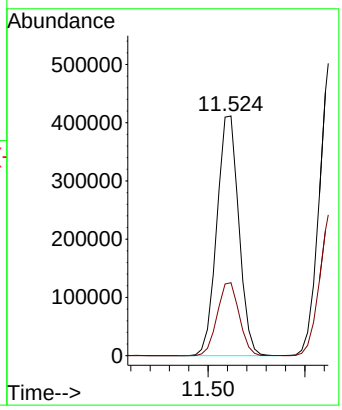
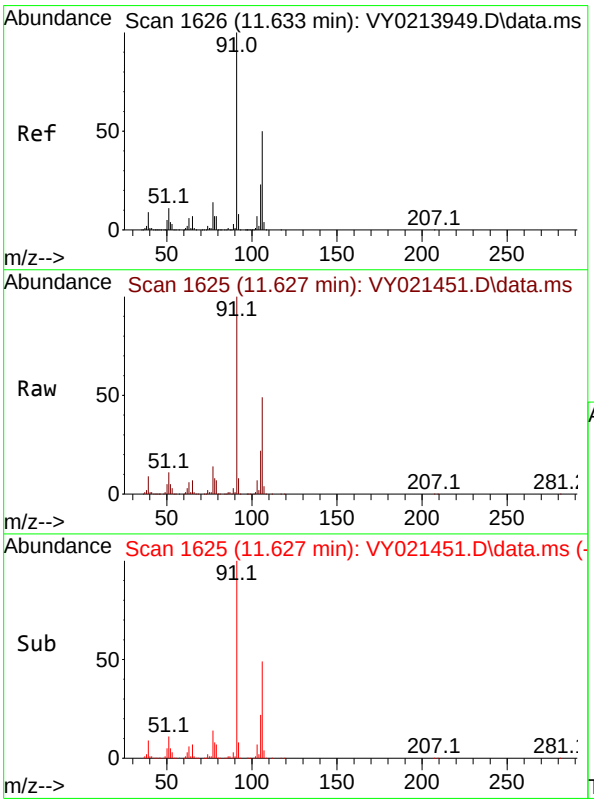
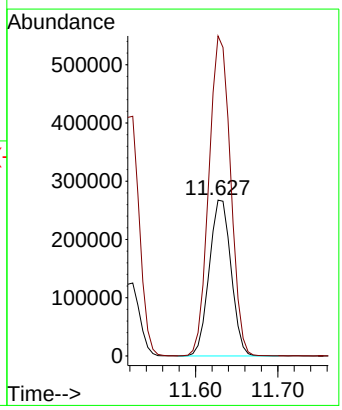


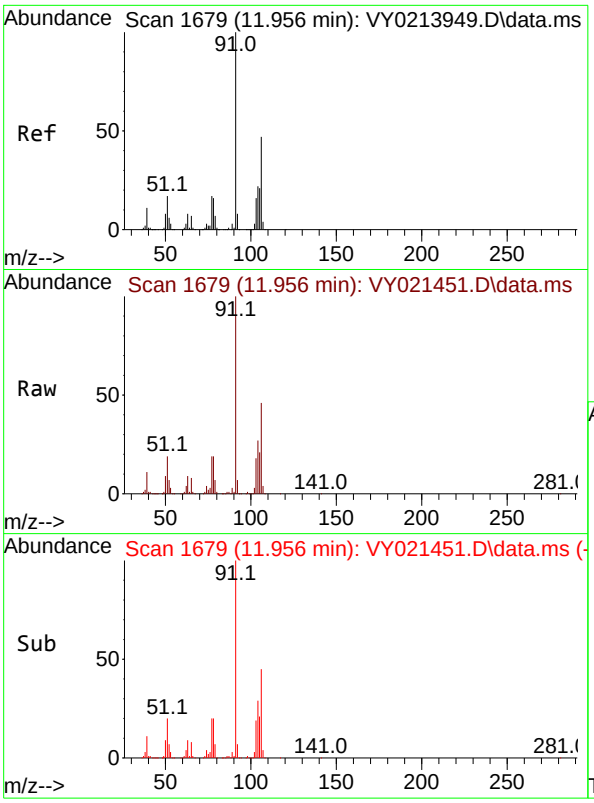


#68
m/p-Xylenes
Concen: 107.493 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:106 Resp: 493806

Ion	Ratio	Lower	Upper
106	100		
91	204.1	161.7	242.5





#69
o-Xylene
Concen: 53.130 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:106 Resp: 224944

Ion	Ratio	Lower	Upper
106	100		
91	218.2	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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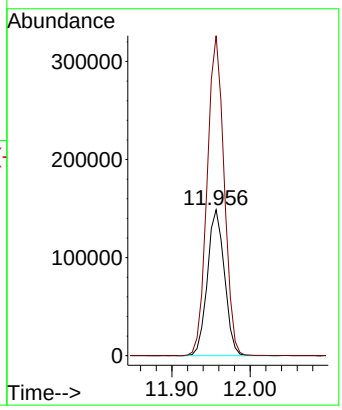
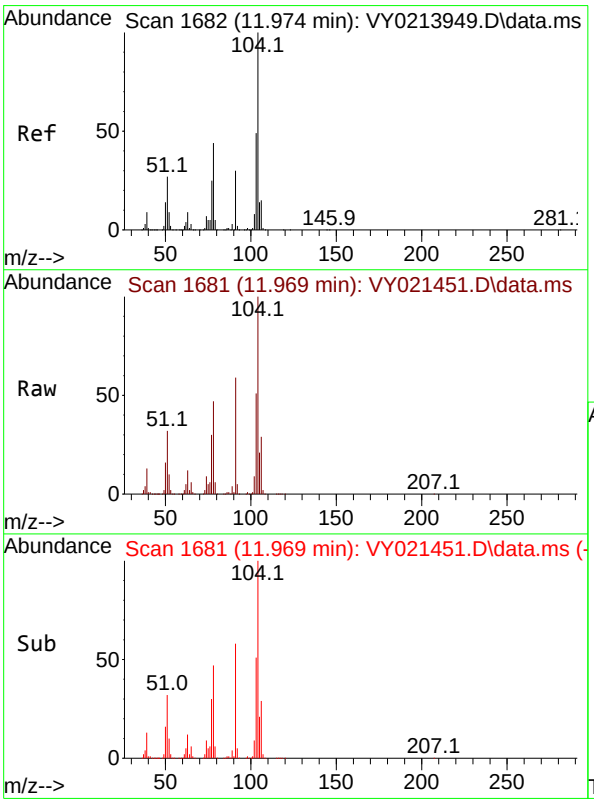
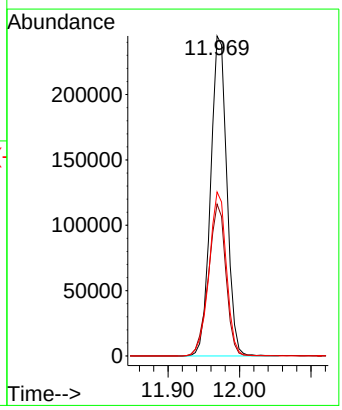


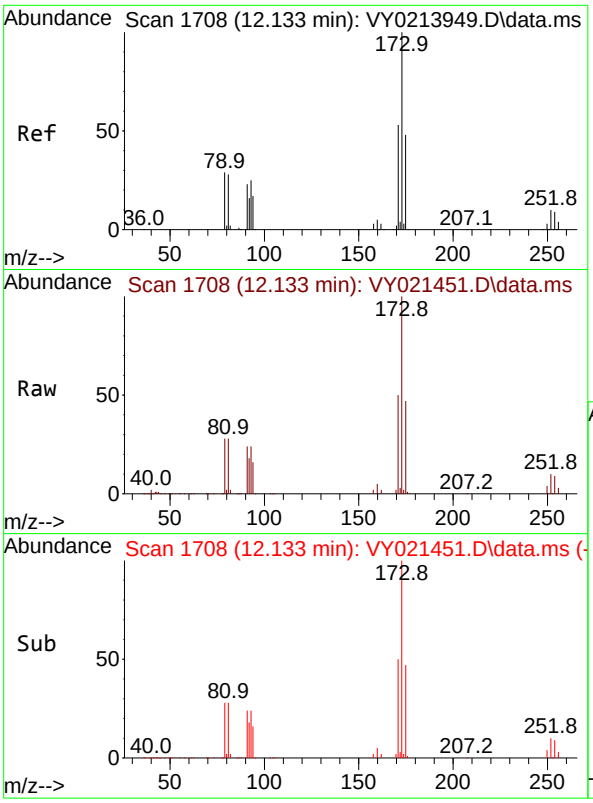


#70
Styrene
Concen: 54.815 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:104 Resp: 385006

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.7	61.1
103	54.7	44.1	66.1

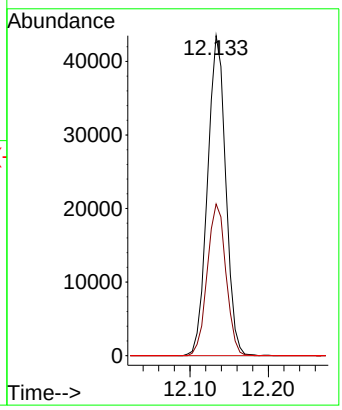




#71
Bromoform
Concen: 51.417 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:173 Resp: 7005

Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
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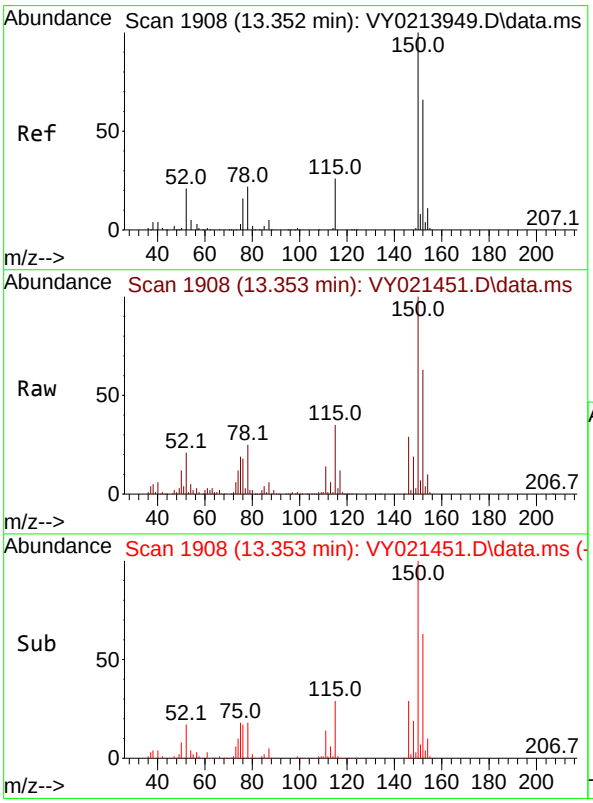
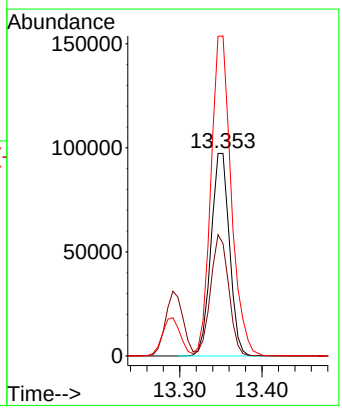
Supervised By :Semsettin Yesilyurt 03/11/2025

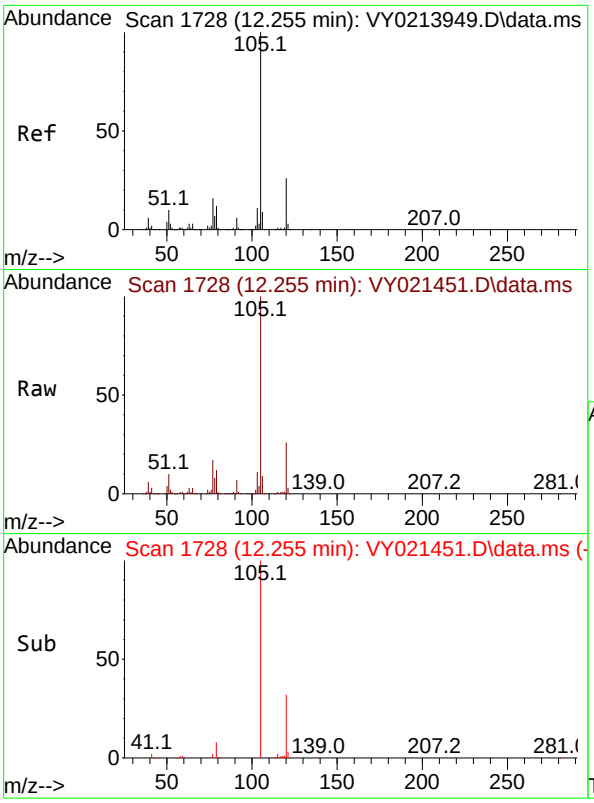


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:152 Resp: 151541

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.0	87.0
150	173.5	0.0	347.2

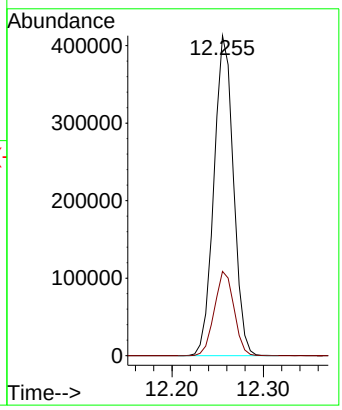




#73
Isopropylbenzene
Concen: 51.329 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:105 Resp: 61273

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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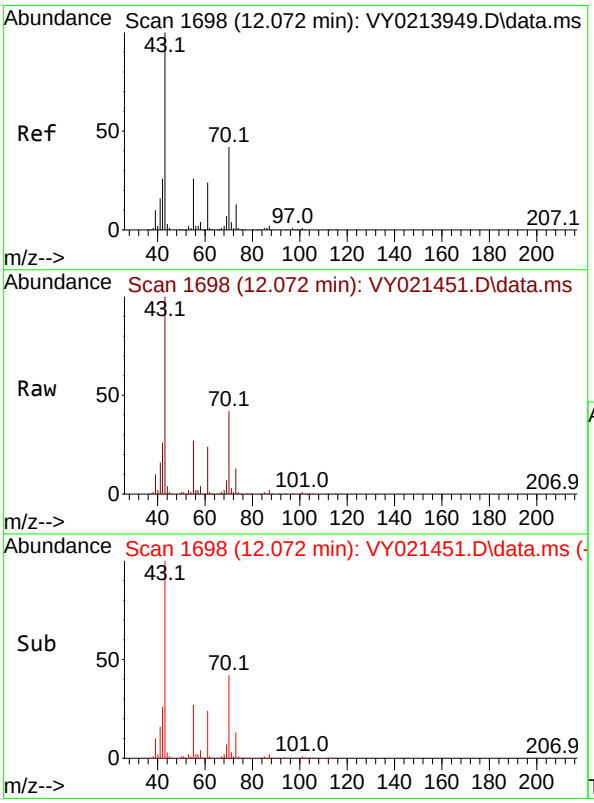
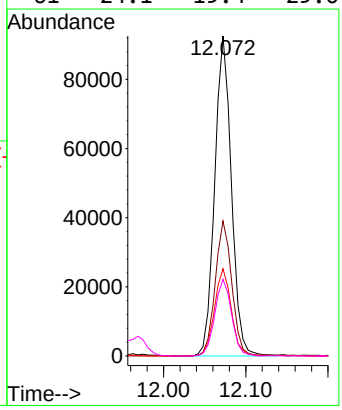
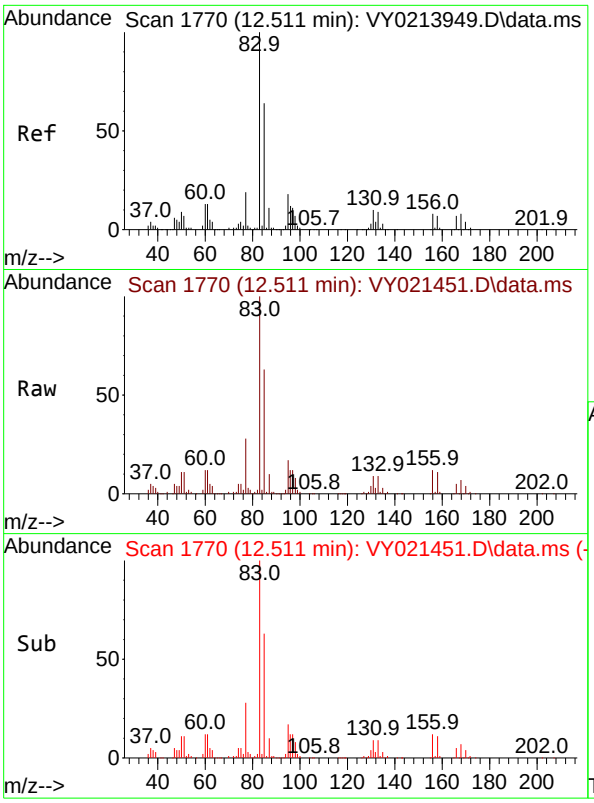


#74
N-amyl acetate
Concen: 50.351 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 43 Resp: 130532

Ion	Ratio	Lower	Upper
43	100		
70	42.1	34.6	51.8
55	27.6	21.1	31.7
61	24.1	19.4	29.0

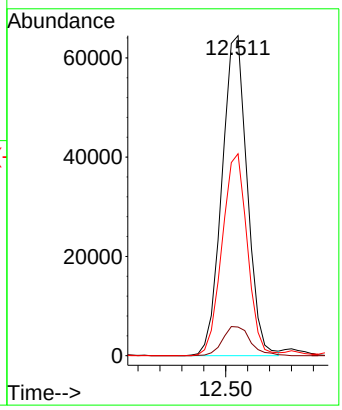




#75
1,1,2,2-Tetrachloroethane
Concen: 48.988 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 83 Resp: 10319

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.3	16.1
85	63.1	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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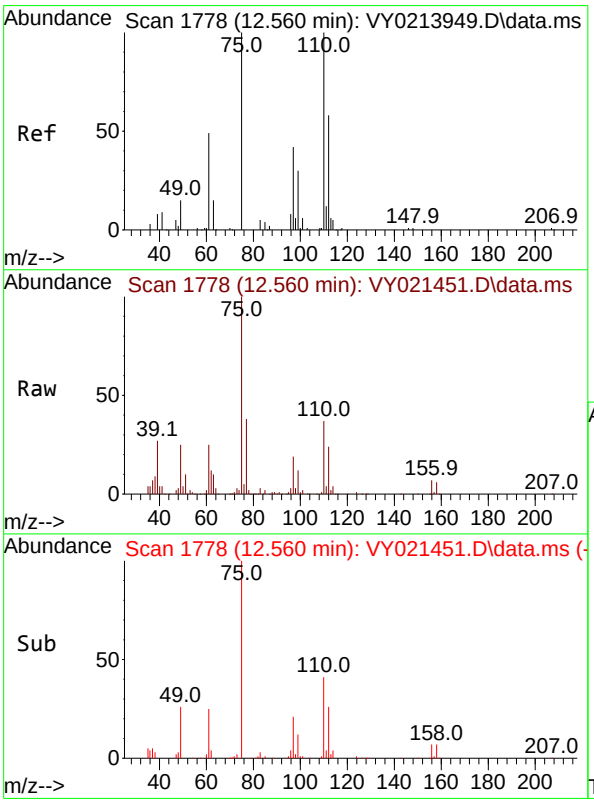
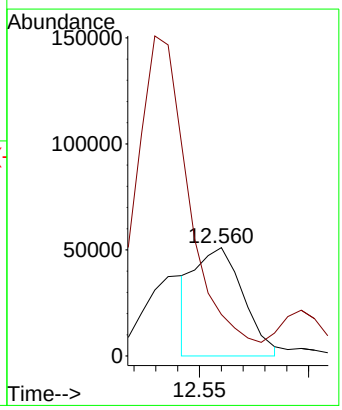
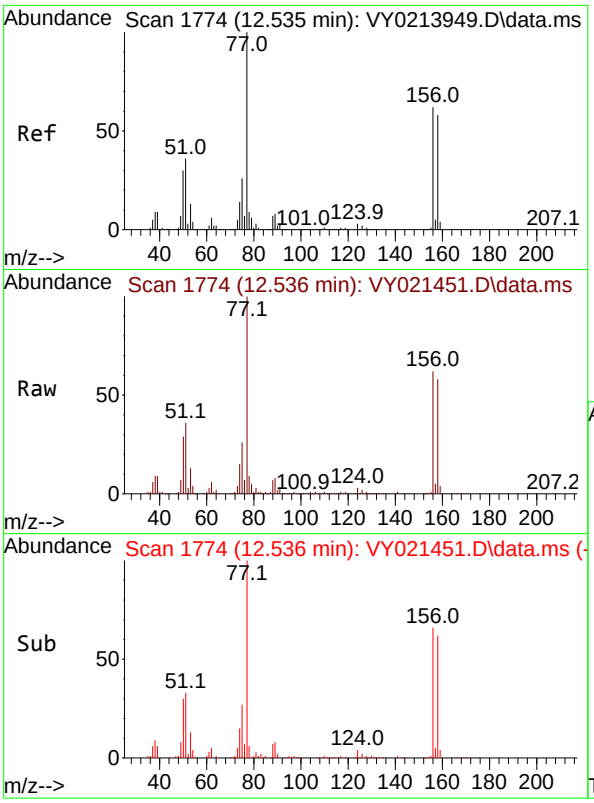


#76
1,2,3-Trichloropropane
Concen: 51.663 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 75 Resp: 78892

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

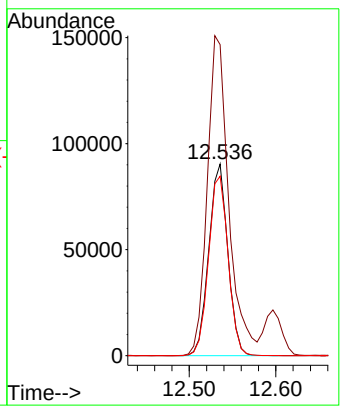




#77
Bromobenzene
Concen: 49.420 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:156 Resp: 13801

Ion	Ratio	Lower	Upper
156	100		
77	188.2	93.6	280.8
158	96.4	48.3	144.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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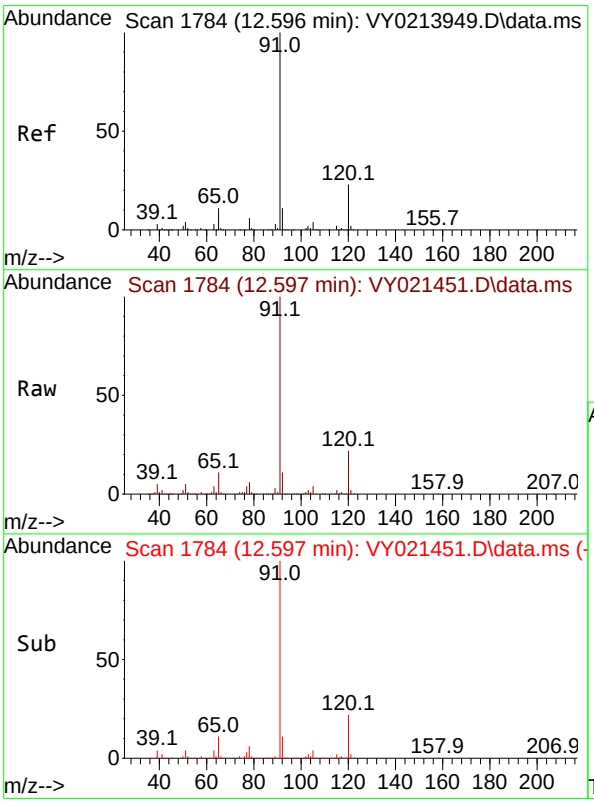
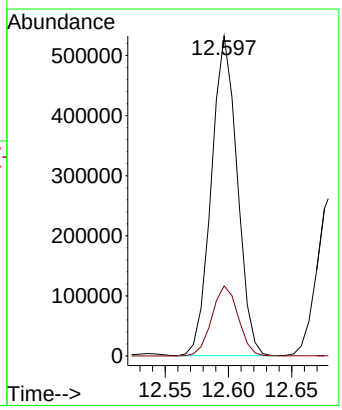
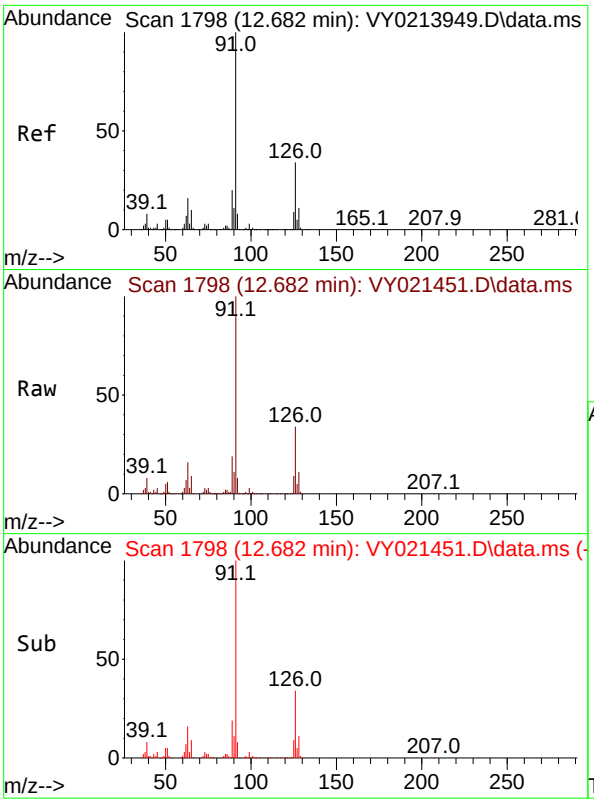


#78
n-propylbenzene
Concen: 52.163 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 91 Resp: 756235

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.8





#79
2-Chlorotoluene
Concen: 50.900 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 91 Resp: 42194

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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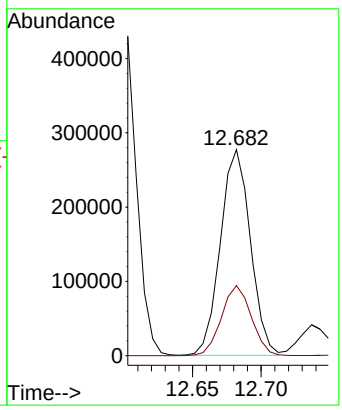
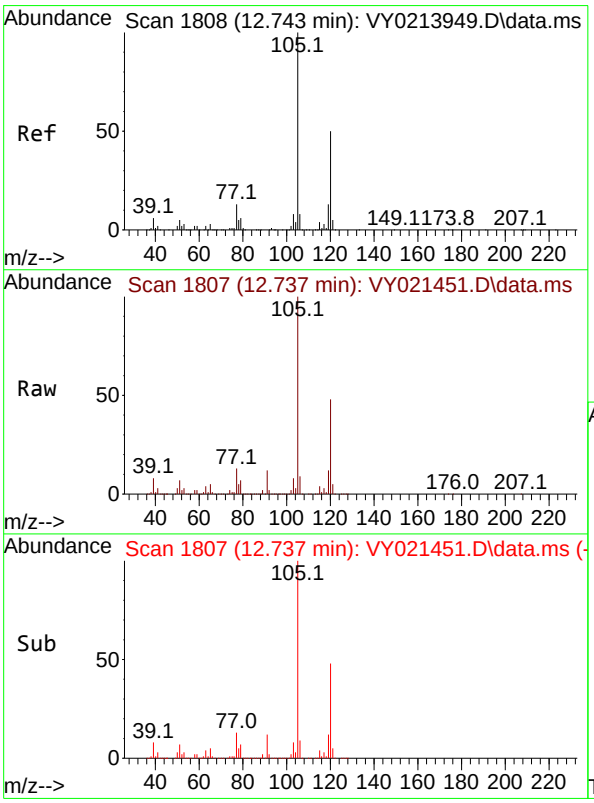
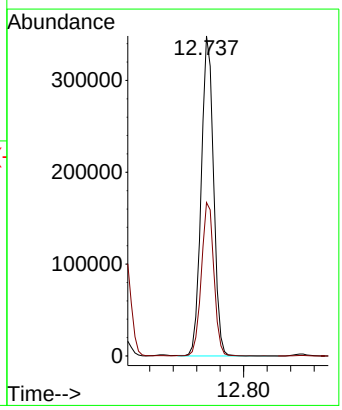


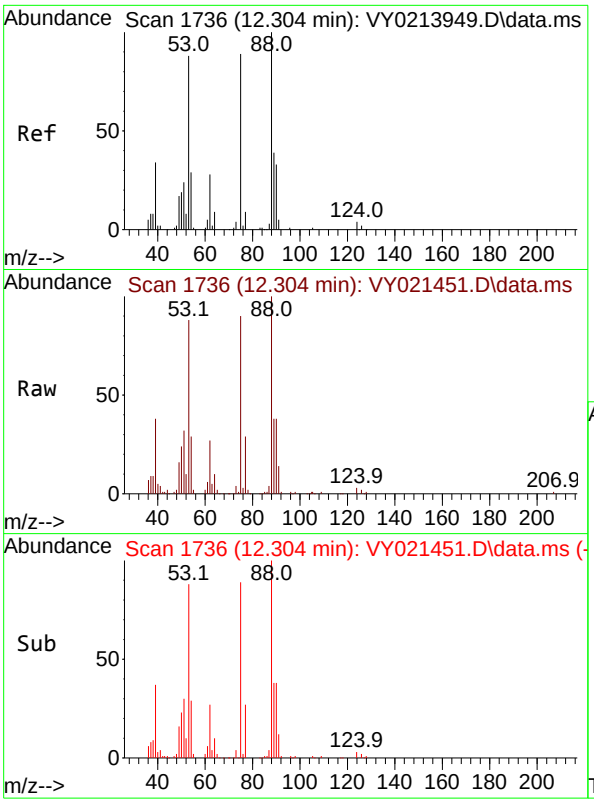


#80
1,3,5-Trimethylbenzene
Concen: 52.417 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:105 Resp: 508497

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 48.829 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 75 Resp: 3280

Ion	Ratio	Lower	Upper
75	100		
53	100.1	81.0	121.4
89	45.5	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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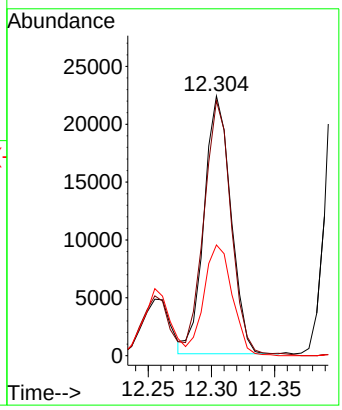
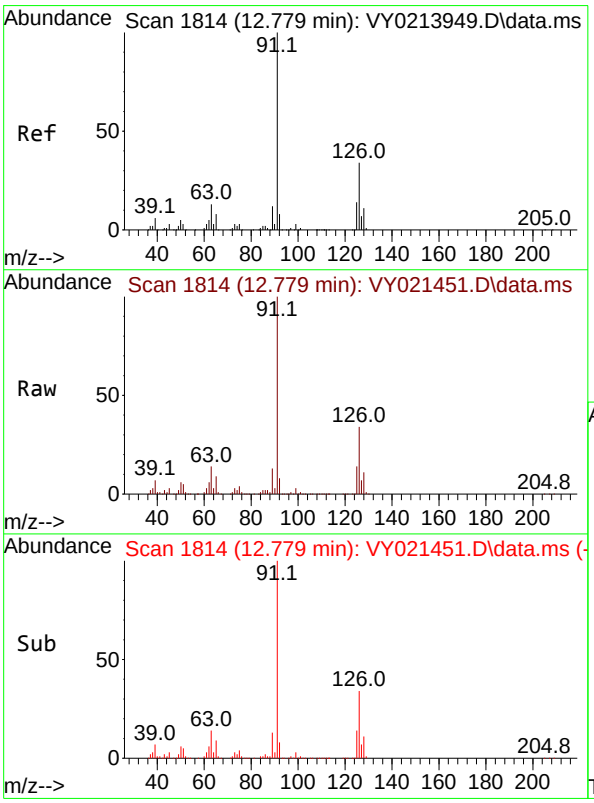
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

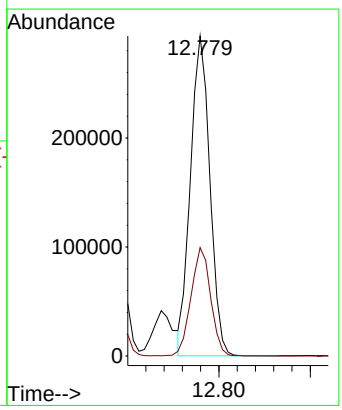


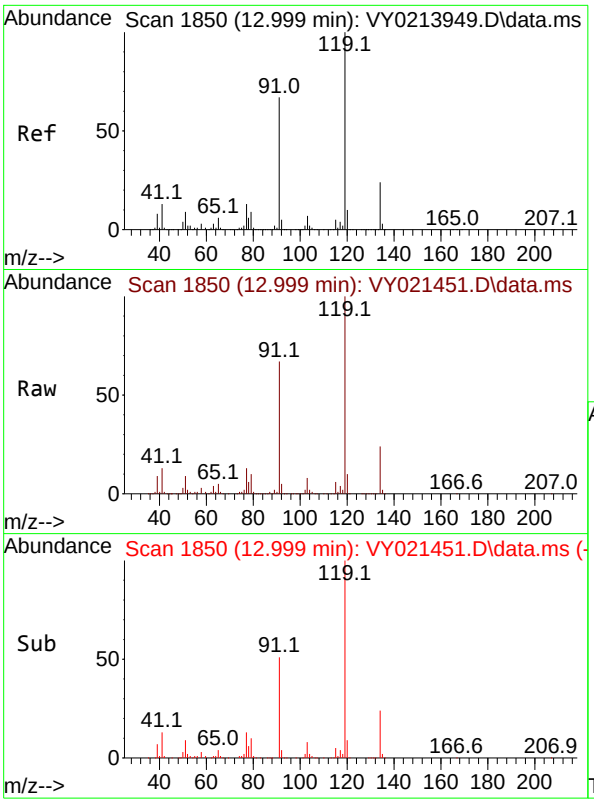


#82
4-Chlorotoluene
Concen: 50.423 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 91 Resp: 432838

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	51.0





#83
tert-Butylbenzene
Concen: 52.108 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:119 Resp: 45095

Ion	Ratio	Lower	Upper
119	100		
91	65.7	33.2	99.6
134	26.8	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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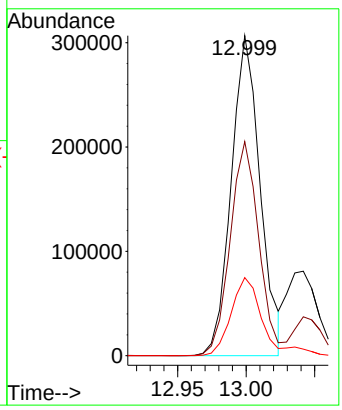
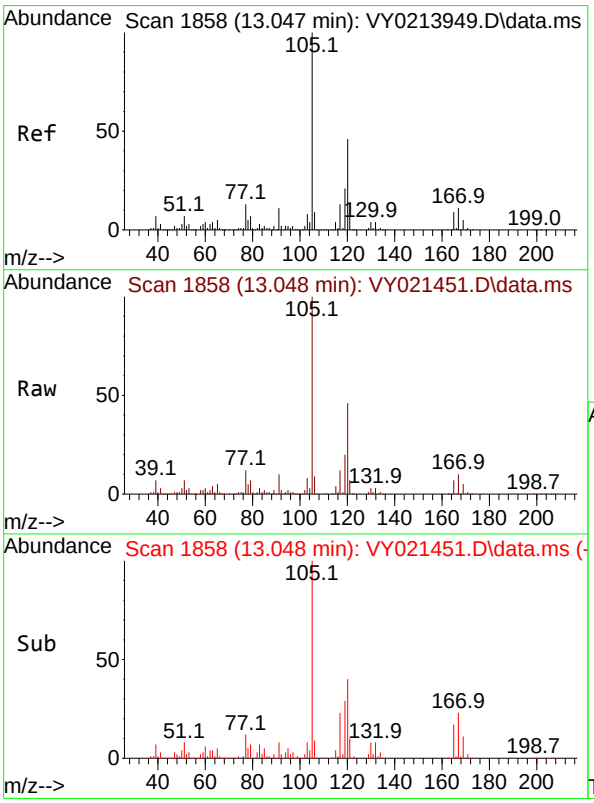
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

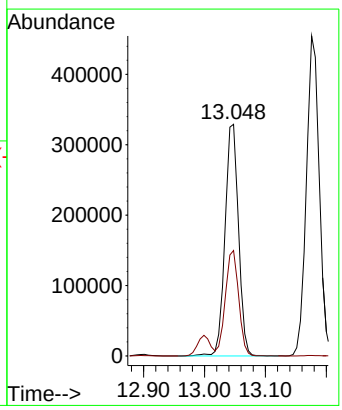


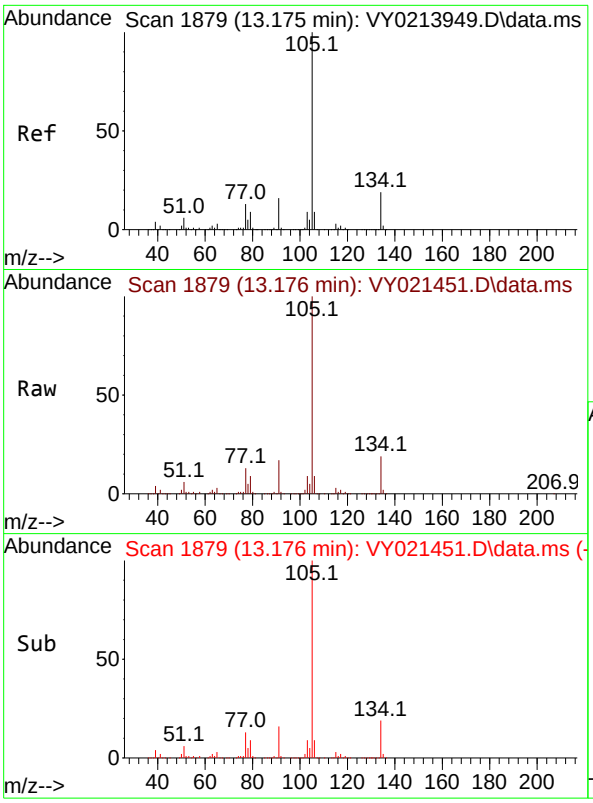


#84
1,2,4-Trimethylbenzene
Concen: 52.510 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:105 Resp: 505770

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.7	68.1





#85
sec-Butylbenzene
Concen: 51.710 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:105 Resp: 66582

Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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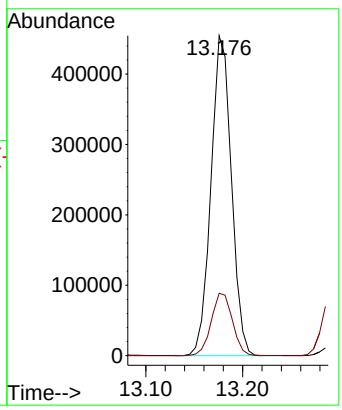
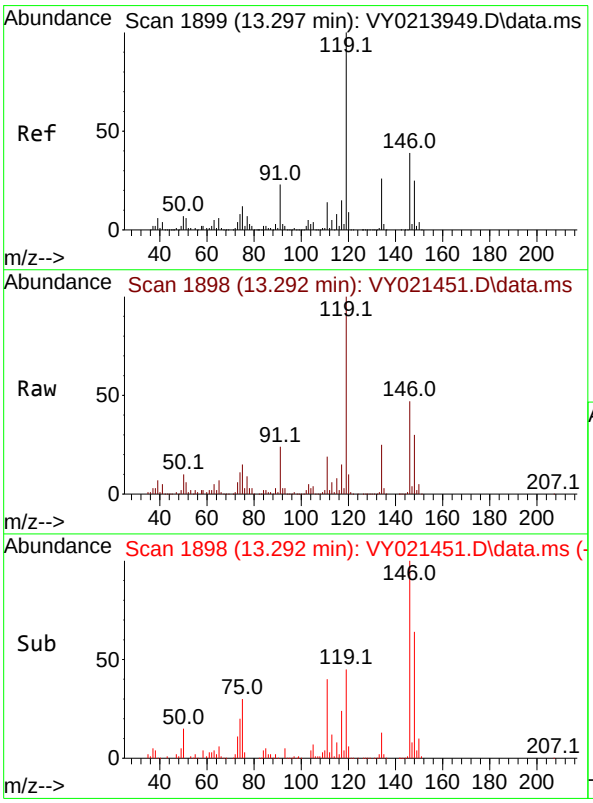
Supervised By :Semsettin Yesilyurt 03/11/2025

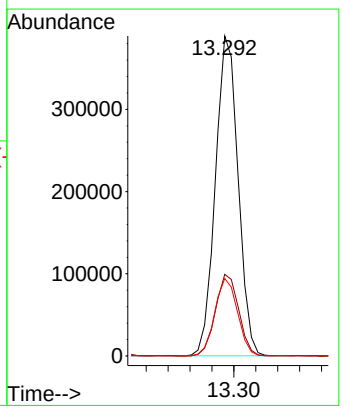


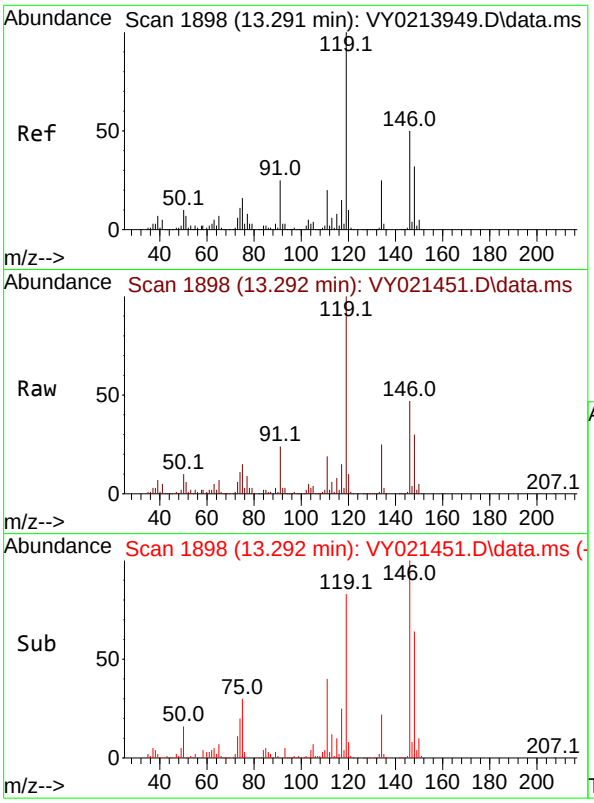


#86
p-Isopropyltoluene
Concen: 52.732 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:119 Resp: 559380

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	24.3	12.2	36.6





#87
1,3-Dichlorobenzene
Concen: 49.887 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:146 Resp: 27732

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	63.8	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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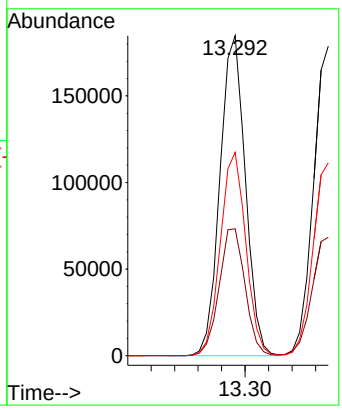
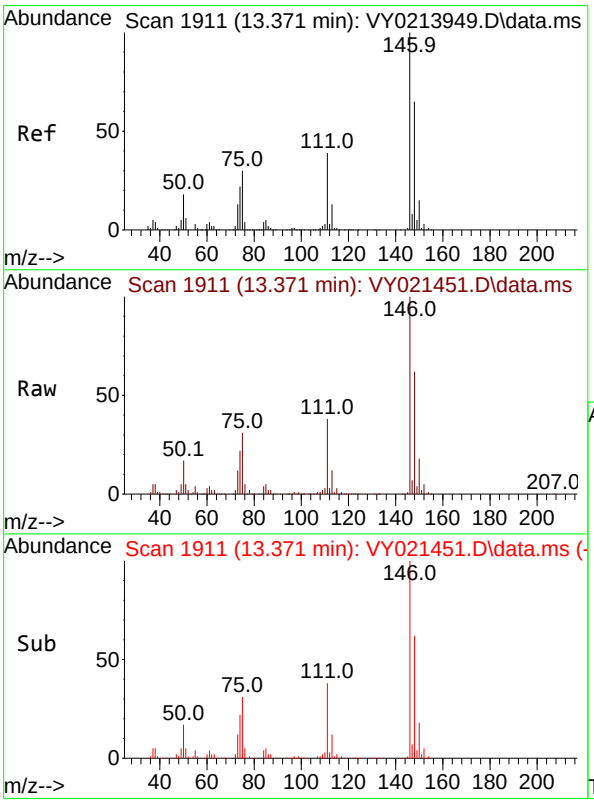
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

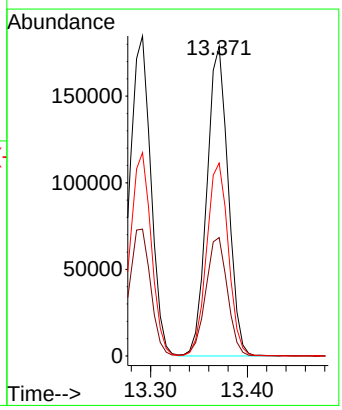


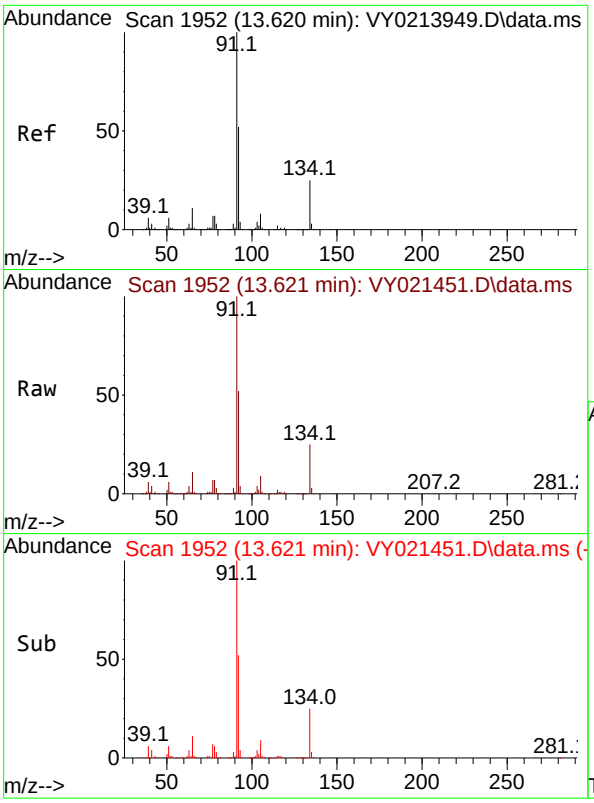


#88
1,4-Dichlorobenzene
Concen: 50.207 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:146 Resp: 272960

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.8
148	63.8	32.3	96.8

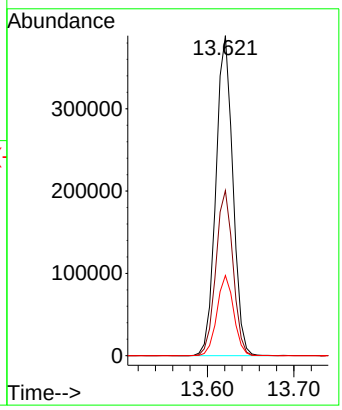




#89
n-Butylbenzene
Concen: 53.928 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 91 Resp: 52824

Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	24.8	12.6	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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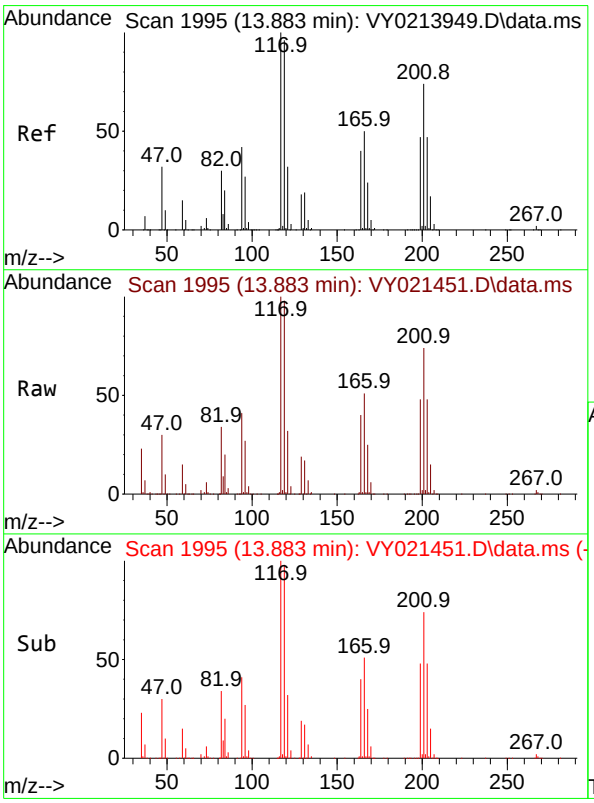
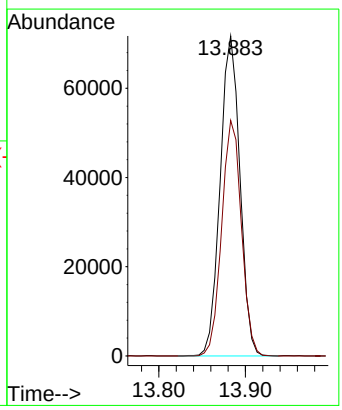
Supervised By :Semsettin Yesilyurt 03/11/2025

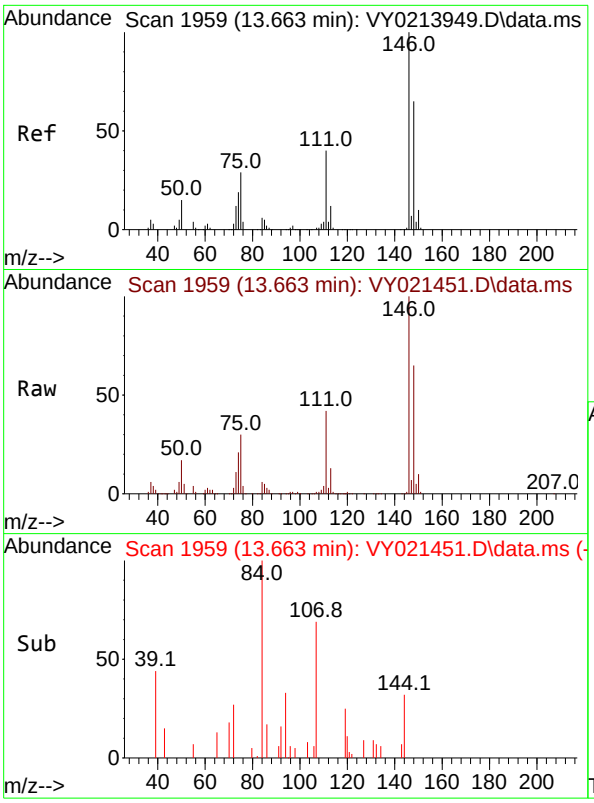


#90
Hexachloroethane
Concen: 50.283 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:117 Resp: 113792

Ion	Ratio	Lower	Upper
117	100		
201	73.4	37.4	112.2

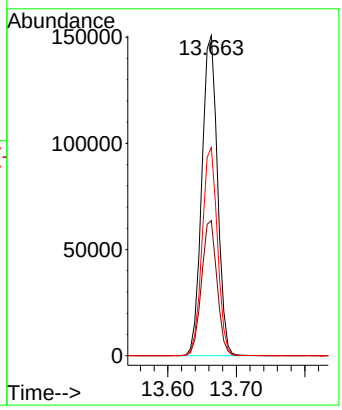




#91
1,2-Dichlorobenzene
Concen: 50.277 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:146 Resp: 23955

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.7	62.1
148	63.8	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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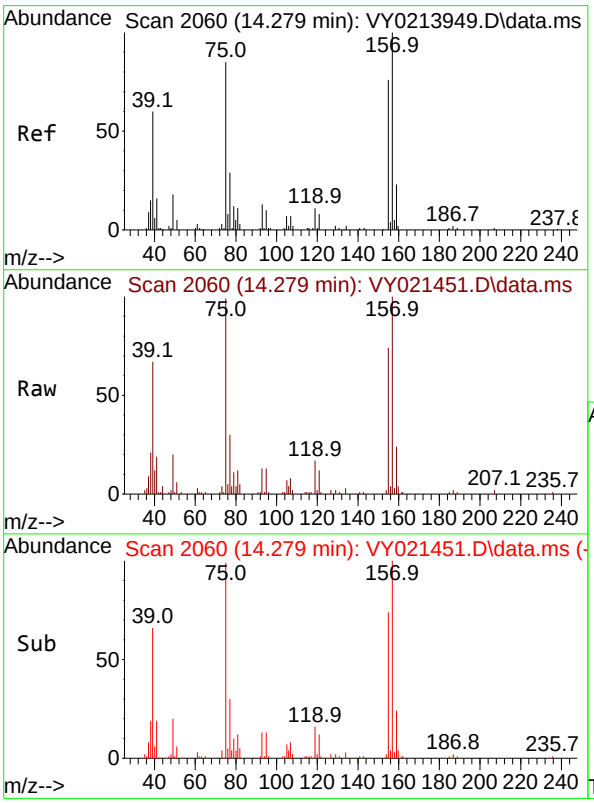
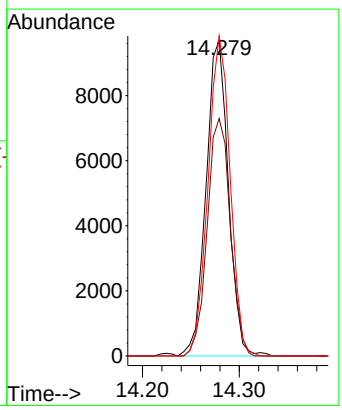
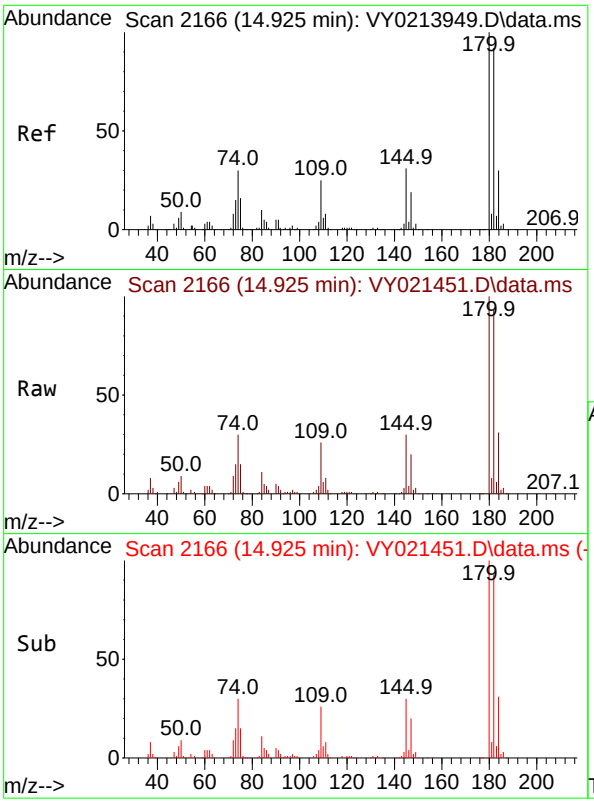


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.273 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion: 75 Resp: 15548

Ion	Ratio	Lower	Upper
75	100		
155	77.9	43.5	130.5
157	100.4	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 51.485 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:180 Resp: 13398

Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.7	140.0
145	31.8	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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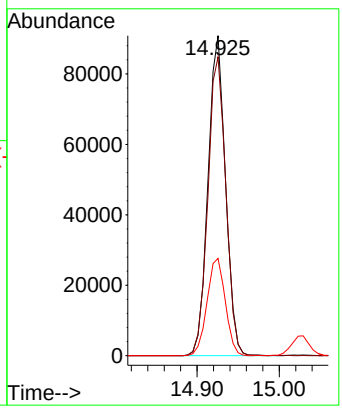
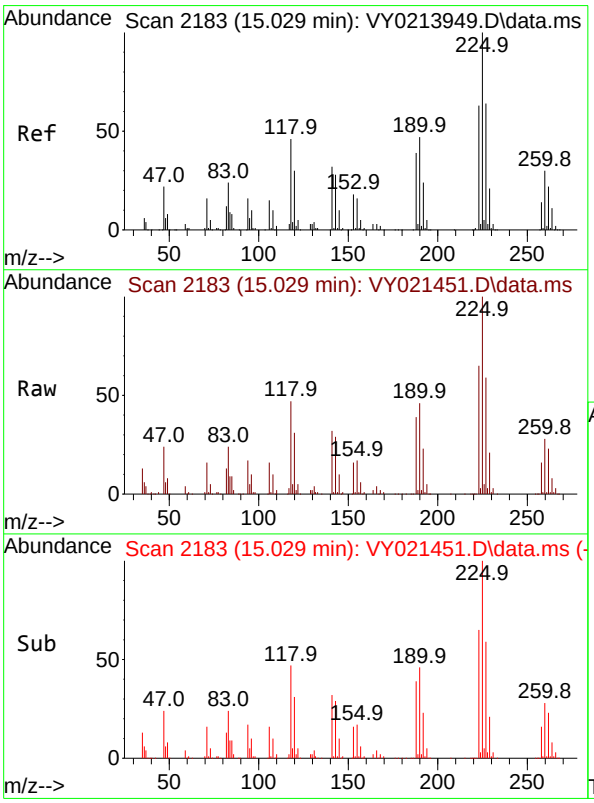
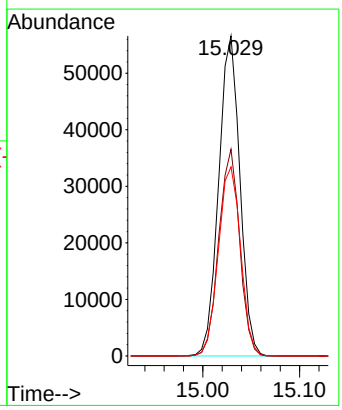


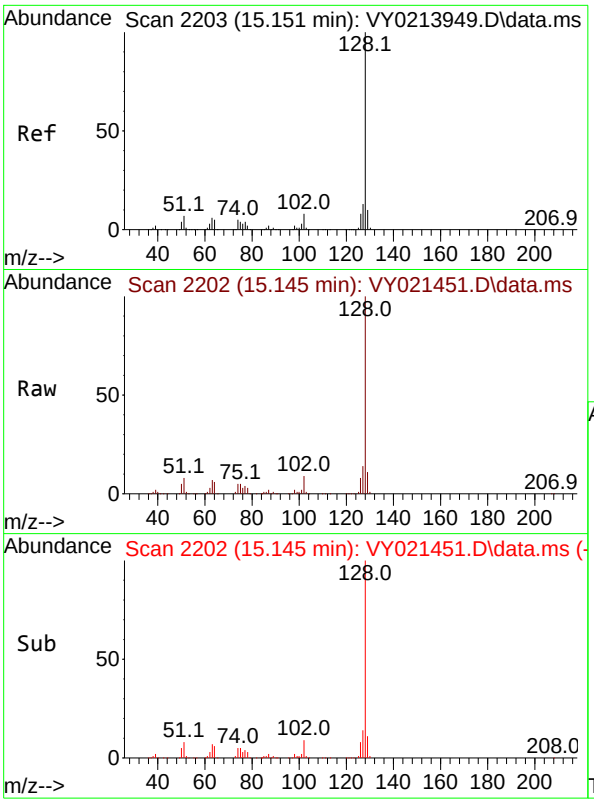


#94
Hexachlorobutadiene
Concen: 52.790 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:225 Resp: 86118

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.4	94.2
227	61.9	31.8	95.4





#95
Naphthalene
Concen: 49.826 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:128 Resp: 21906

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.6	8.6	13.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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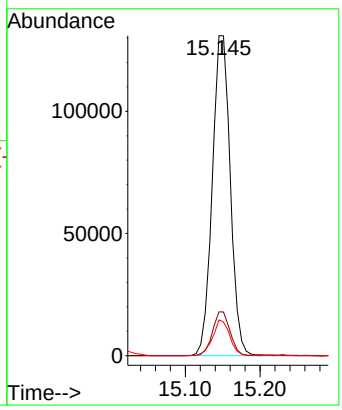
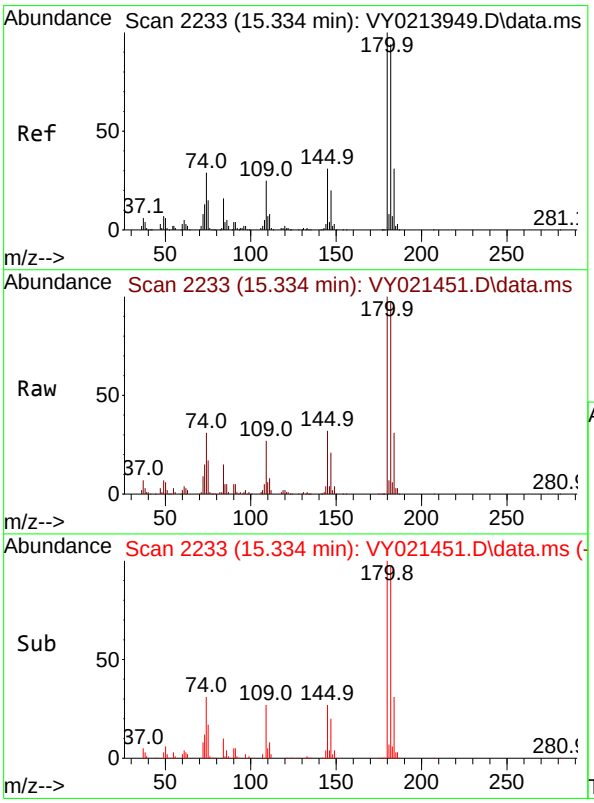
Supervised By :Semsettin Yesilyurt 03/11/2025

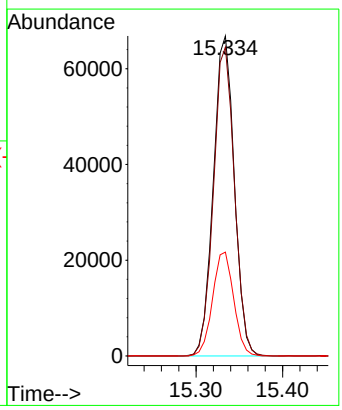




#96
1,2,3-Trichlorobenzene
Concen: 51.280 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021451.D
Acq: 07 Mar 2025 09:59

Tgt Ion:180 Resp: 112240

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.2	141.6
145	32.7	16.4	49.1



Sample Results: **VY021451.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021451.D
Acq On : 07 Mar 2025 09:59
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: Mar 07 21:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	90	0.00
2	T	Dichlorodifluoromethane	0.459	0.437	4.8	88	0.00
3	P	Chloromethane	0.647	0.662	-2.3	97	0.00
4	C	Vinyl Chloride	0.707	0.776	-9.8#	102	0.00
5	T	Bromomethane	0.511	0.511	0.0	99	0.00
6	T	Chloroethane	0.467	0.546	-16.9	107	0.00
7	T	Trichlorofluoromethane	0.987	1.164	-17.9	109	0.00
8	T	Diethyl Ether	0.273	0.270	1.1	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.563	0.577	-2.5	97	-0.01
10	T	Methyl Iodide	0.573	0.613	-7.0	88	0.00
11	T	Tert butyl alcohol	0.041	0.030	26.8#	72	0.00
12	CM	1,1-Dichloroethene	0.514	0.513	0.2#	92	0.00
13	T	Acrolein	0.027	0.004	85.2#	77	-0.01
14	T	Allyl chloride	0.830	0.858	-3.4	92	-0.01
15	T	Acrylonitrile	0.116	0.115	0.9	84	0.00
16	T	Acetone	0.115	0.121	-5.2	82	0.00
17	T	Carbon Disulfide	1.610	1.632	-1.4	90	-0.01
18	T	Methyl Acetate	0.256	0.280	-9.4	89	0.00
19	T	Methyl tert-butyl Ether	1.302	1.304	-0.2	86	0.00
20	T	Methylene Chloride	0.605	0.575	5.0	94	0.00
21	T	trans-1,2-Dichloroethene	0.575	0.587	-2.1	94	-0.01
22	T	Diisopropyl ether	1.789	1.908	-6.7	93	0.00
23	T	Vinyl Acetate	1.021	1.058	-3.6	86	-0.01
24	P	1,1-Dichloroethane	1.056	1.095	-3.7	94	-0.01
25	T	2-Butanone	0.159	0.163	-2.5	82	0.00
26	T	2,2-Dichloropropane	0.971	0.992	-2.2	96	0.00
27	T	cis-1,2-Dichloroethene	0.653	0.675	-3.4	93	0.00
28	T	Bromochloromethane	0.443	0.448	-1.1	87	0.00
29	T	Tetrahydrofuran	0.098	0.098	0.0	80	0.00
30	C	Chloroform	1.096	1.152	-5.1#	96	0.00
31	T	Cyclohexane	0.990	0.981	0.9	94	0.00
32	T	1,1,1-Trichloroethane	1.004	1.033	-2.9	96	0.00
33	S	1,2-Dichloroethane-d4	0.528	0.557	-5.5	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35	S	Dibromofluoromethane	0.329	0.352	-7.0	107	0.00
36	T	1,1-Dichloropropene	0.514	0.545	-6.0	95	0.00
37	T	Ethyl Acetate	0.227	0.232	-2.2	84	0.00
38	T	Carbon Tetrachloride	0.592	0.617	-4.2	95	0.00
39	T	Methylcyclohexane	0.631	0.679	-7.6	94	0.00
40	TM	Benzene	1.515	1.595	-5.3	93	0.00
41	T	Methacrylonitrile	0.124	0.118	4.8	81	0.00
42	TM	1,2-Dichloroethane	0.424	0.448	-5.7	92	0.00
43	T	Isopropyl Acetate	0.441	0.443	-0.5	83	0.00
44	TM	Trichloroethene	0.383	0.395	-3.1	93	0.00
45	C	1,2-Dichloropropane	0.361	0.384	-6.4#	94	0.00
46	T	Dibromomethane	0.201	0.212	-5.5	90	0.00
47	T	Bromodichloromethane	0.533	0.567	-6.4	93	0.00
48	T	Methyl methacrylate	0.203	0.214	-5.4	84	0.00

Sample Results: **VY021451.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021451.D
Acq On : 07 Mar 2025 09:59
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: Mar 07 21:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	82	0.00
50	S	Toluene-d8	1.244	1.351	-8.6	107	0.00
51	T	4-Methyl-2-Pentanone	0.228	0.236	-3.5	81	0.00
52	CM	Toluene	0.955	1.025	-7.3#	93	0.00
53	T	t-1,3-Dichloropropene	0.470	0.503	-7.0	91	0.00
54	T	cis-1,3-Dichloropropene	0.557	0.592	-6.3	91	0.00
55	T	1,1,2-Trichloroethane	0.263	0.278	-5.7	89	0.00
56	T	Ethyl methacrylate	0.335	0.357	-6.6	84	0.00
57	T	1,3-Dichloropropane	0.455	0.476	-4.6	90	0.00
58	T	2-Chloroethyl Vinyl ether	0.155	0.168	-8.4	87	0.00
59	T	2-Hexanone	0.151	0.163	-7.9	81	0.00
60	T	Dibromochloromethane	0.360	0.381	-5.8	91	0.00
61	T	1,2-Dibromoethane	0.248	0.257	-3.6	89	0.00
62	S	4-Bromofluorobenzene	0.423	0.461	-9.0	108	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64	T	Tetrachloroethene	0.407	0.413	-1.5	93	0.00
65	PM	Chlorobenzene	1.181	1.219	-3.2	93	0.00
66	T	1,1,1,2-Tetrachloroethane	0.417	0.437	-4.8	94	0.00
67	C	Ethyl Benzene	2.072	2.220	-7.1#	95	0.00
68	T	m/p-Xylenes	0.787	0.846	-7.5	94	0.00
69	T	o-Xylene	0.725	0.771	-6.3	92	0.00
70	T	Styrene	1.203	1.319	-9.6	94	0.00
71	P	Bromoform	0.233	0.240	-3.0	87	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.939	4.043	-2.6	93	0.00
74	T	N-amyl acetate	0.855	0.861	-0.7	85	0.00
75	P	1,1,2,2-Tetrachloroethane	0.695	0.681	2.0	87	0.00
76	T	1,2,3-Trichloropropane	0.504	0.521	-3.4	99	0.00
77	T	Bromobenzene	0.921	0.911	1.1	92	0.00
78	T	n-propylbenzene	4.783	4.990	-4.3	95	0.00
79	T	2-Chlorotoluene	2.735	2.784	-1.8	95	0.00
80	T	1,3,5-Trimethylbenzene	3.201	3.356	-4.8	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.222	0.216	2.7	85	0.00
82	T	4-Chlorotoluene	2.832	2.856	-0.8	94	0.00
83	T	tert-Butylbenzene	2.855	2.976	-4.2	95	0.00
84	T	1,2,4-Trimethylbenzene	3.178	3.338	-5.0	95	0.00
85	T	sec-Butylbenzene	4.248	4.394	-3.4	94	0.00
86	T	p-Isopropyltoluene	3.500	3.691	-5.5	96	0.00
87	T	1,3-Dichlorobenzene	1.834	1.830	0.2	94	0.00
88	T	1,4-Dichlorobenzene	1.794	1.801	-0.4	94	0.00
89	T	n-Butylbenzene	3.232	3.486	-7.9	96	0.00
90	T	Hexachloroethane	0.747	0.751	-0.5	96	0.00
91	T	1,2-Dichlorobenzene	1.572	1.581	-0.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.104	0.103	1.0	89	0.00
93	T	1,2,4-Trichlorobenzene	0.859	0.884	-2.9	91	0.00
94	T	Hexachlorobutadiene	0.538	0.568	-5.6	96	0.00
95	T	Naphthalene	1.390	1.446	-4.0	85	0.00

Sample Results: **VY021451.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021451.D
Acq On : 07 Mar 2025 09:59
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: Mar 07 21:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.722	0.741	-2.6	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY021451.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021451.D
Acq On : 07 Mar 2025 09:59
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: Mar 07 21:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	90	0.00
2	T	Dichlorodifluoromethane	50.000	47.633	4.7	88	0.00
3	P	Chloromethane	50.000	51.160	-2.3	97	0.00
4	C	Vinyl Chloride	50.000	54.913	-9.8#	102	0.00
5	T	Bromomethane	50.000	50.038	-0.1	99	0.00
6	T	Chloroethane	50.000	58.478	-17.0	107	0.00
7	T	Trichlorofluoromethane	50.000	58.999	-18.0	109	0.00
8	T	Diethyl Ether	50.000	49.389	1.2	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.194	-2.4	97	-0.01
10	T	Methyl Iodide	50.000	53.524	-7.0	88	0.00
11	T	Tert butyl alcohol	250.000	217.181	13.1	72	0.00
12	CM	1,1-Dichloroethene	50.000	49.960	0.1#	92	0.00
13	T	Acrolein	250.000	36.213	85.5#	77	-0.01
14	T	Allyl chloride	50.000	51.698	-3.4	92	-0.01
15	T	Acrylonitrile	250.000	247.916	0.8	84	0.00
16	T	Acetone	250.000	263.075	-5.2	82	0.00
17	T	Carbon Disulfide	50.000	50.695	-1.4	90	-0.01
18	T	Methyl Acetate	50.000	54.782	-9.6	89	0.00
19	T	Methyl tert-butyl Ether	50.000	50.102	-0.2	86	0.00
20	T	Methylene Chloride	50.000	47.532	4.9	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.991	-2.0	94	-0.01
22	T	Diisopropyl ether	50.000	53.324	-6.6	93	0.00
23	T	Vinyl Acetate	250.000	259.094	-3.6	86	-0.01
24	P	1,1-Dichloroethane	50.000	51.872	-3.7	94	-0.01
25	T	2-Butanone	250.000	255.158	-2.1	82	0.00
26	T	2,2-Dichloropropane	50.000	51.037	-2.1	96	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.675	-3.3	93	0.00
28	T	Bromochloromethane	50.000	50.561	-1.1	87	0.00
29	T	Tetrahydrofuran	250.000	249.797	0.1	80	0.00
30	C	Chloroform	50.000	52.525	-5.0#	96	0.00
31	T	Cyclohexane	50.000	49.578	0.8	94	0.00
32	T	1,1,1-Trichloroethane	50.000	51.456	-2.9	96	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.673	-5.3	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35	S	Dibromofluoromethane	50.000	53.591	-7.2	107	0.00
36	T	1,1-Dichloropropene	50.000	52.968	-5.9	95	0.00
37	T	Ethyl Acetate	50.000	50.906	-1.8	84	0.00
38	T	Carbon Tetrachloride	50.000	52.161	-4.3	95	0.00
39	T	Methylcyclohexane	50.000	53.775	-7.5	94	0.00
40	TM	Benzene	50.000	52.639	-5.3	93	0.00
41	T	Methacrylonitrile	50.000	47.747	4.5	81	0.00
42	TM	1,2-Dichloroethane	50.000	52.784	-5.6	92	0.00
43	T	Isopropyl Acetate	50.000	50.147	-0.3	83	0.00
44	TM	Trichloroethene	50.000	51.581	-3.2	93	0.00
45	C	1,2-Dichloropropane	50.000	53.180	-6.4#	94	0.00
46	T	Dibromomethane	50.000	52.704	-5.4	90	0.00
47	T	Bromodichloromethane	50.000	53.225	-6.5	93	0.00
48	T	Methyl methacrylate	50.000	52.875	-5.8	84	0.00

Sample Results: **VY021451.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021451.D
Acq On : 07 Mar 2025 09:59
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: Mar 07 21:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1043.032	-4.3	82	0.00
50	S	Toluene-d8	50.000	54.278	-8.6	107	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.306	-3.7	81	0.00
52	CM	Toluene	50.000	53.643	-7.3#	93	0.00
53	T	t-1,3-Dichloropropene	50.000	53.613	-7.2	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.116	-6.2	91	0.00
55	T	1,1,2-Trichloroethane	50.000	52.982	-6.0	89	0.00
56	T	Ethyl methacrylate	50.000	53.277	-6.6	84	0.00
57	T	1,3-Dichloropropane	50.000	52.334	-4.7	90	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	272.111	-8.8	87	0.00
59	T	2-Hexanone	250.000	270.623	-8.2	81	0.00
60	T	Dibromochloromethane	50.000	53.002	-6.0	91	0.00
61	T	1,2-Dibromoethane	50.000	51.922	-3.8	89	0.00
62	S	4-Bromofluorobenzene	50.000	54.511	-9.0	108	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64	T	Tetrachloroethene	50.000	50.830	-1.7	93	0.00
65	PM	Chlorobenzene	50.000	51.617	-3.2	93	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.396	-4.8	94	0.00
67	C	Ethyl Benzene	50.000	53.561	-7.1#	95	0.00
68	T	m/p-Xylenes	100.000	107.493	-7.5	94	0.00
69	T	o-Xylene	50.000	53.130	-6.3	92	0.00
70	T	Styrene	50.000	54.815	-9.6	94	0.00
71	P	Bromoform	50.000	51.417	-2.8	87	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	51.329	-2.7	93	0.00
74	T	N-amyl acetate	50.000	50.351	-0.7	85	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.988	2.0	87	0.00
76	T	1,2,3-Trichloropropane	50.000	51.663	-3.3	99	0.00
77	T	Bromobenzene	50.000	49.420	1.2	92	0.00
78	T	n-propylbenzene	50.000	52.163	-4.3	95	0.00
79	T	2-Chlorotoluene	50.000	50.900	-1.8	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.417	-4.8	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.829	2.3	85	0.00
82	T	4-Chlorotoluene	50.000	50.423	-0.8	94	0.00
83	T	tert-Butylbenzene	50.000	52.108	-4.2	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.510	-5.0	95	0.00
85	T	sec-Butylbenzene	50.000	51.710	-3.4	94	0.00
86	T	p-Isopropyltoluene	50.000	52.732	-5.5	96	0.00
87	T	1,3-Dichlorobenzene	50.000	49.887	0.2	94	0.00
88	T	1,4-Dichlorobenzene	50.000	50.207	-0.4	94	0.00
89	T	n-Butylbenzene	50.000	53.928	-7.9	96	0.00
90	T	Hexachloroethane	50.000	50.283	-0.6	96	0.00
91	T	1,2-Dichlorobenzene	50.000	50.277	-0.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.273	1.5	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.485	-3.0	91	0.00
94	T	Hexachlorobutadiene	50.000	52.790	-5.6	96	0.00
95	T	Naphthalene	50.000	49.826	0.3	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021451.D
Acq On : 07 Mar 2025 09:59
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: Mar 07 21:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.280	-2.6	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

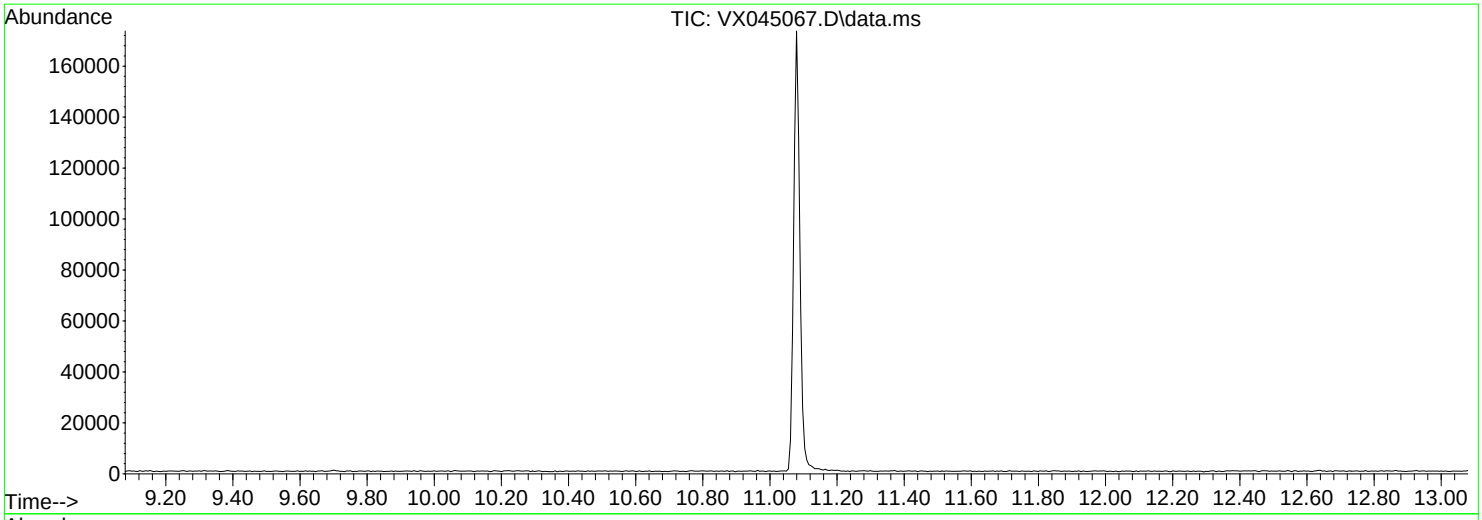
Sample Results: **VX045067.D**

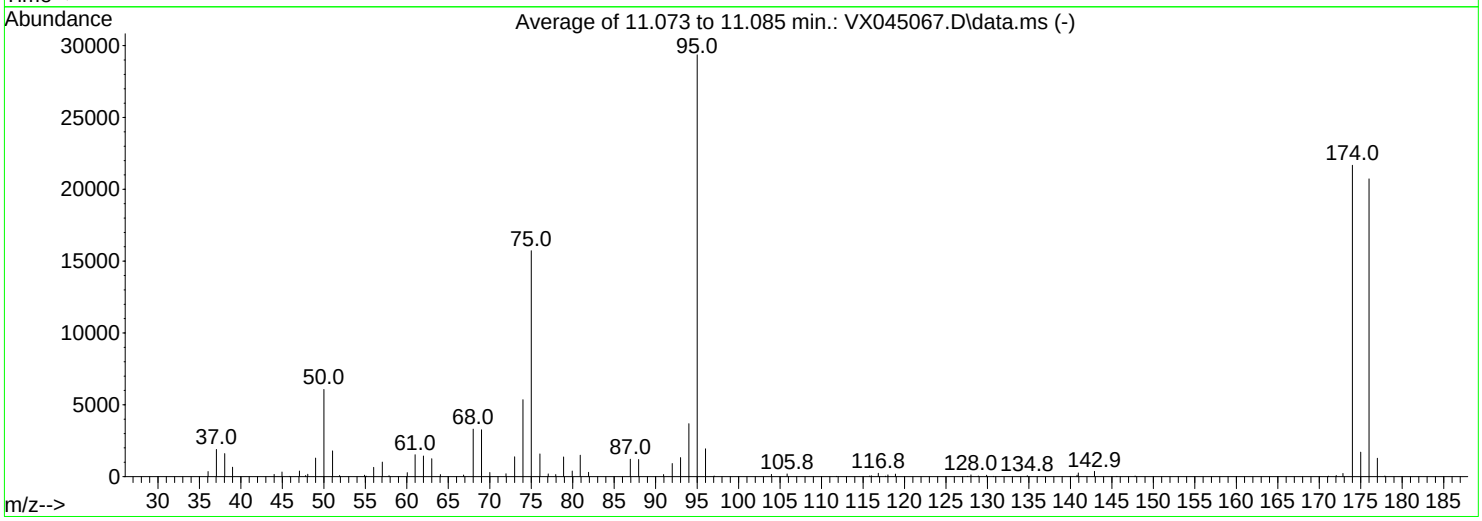
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045067.D
Acq On : 28 Feb 2025 01:03
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	6072	PASS
75	95	30	60	53.6	15726	PASS
95	95	100	100	100.0	29360	PASS
96	95	5	9	6.6	1942	PASS
173	174	0.00	2	1.0	219	PASS
174	95	50	100	73.8	21677	PASS
175	174	5	9	7.9	1702	PASS
176	174	95	101	95.6	20723	PASS
177	176	5	9	6.2	1277	PASS

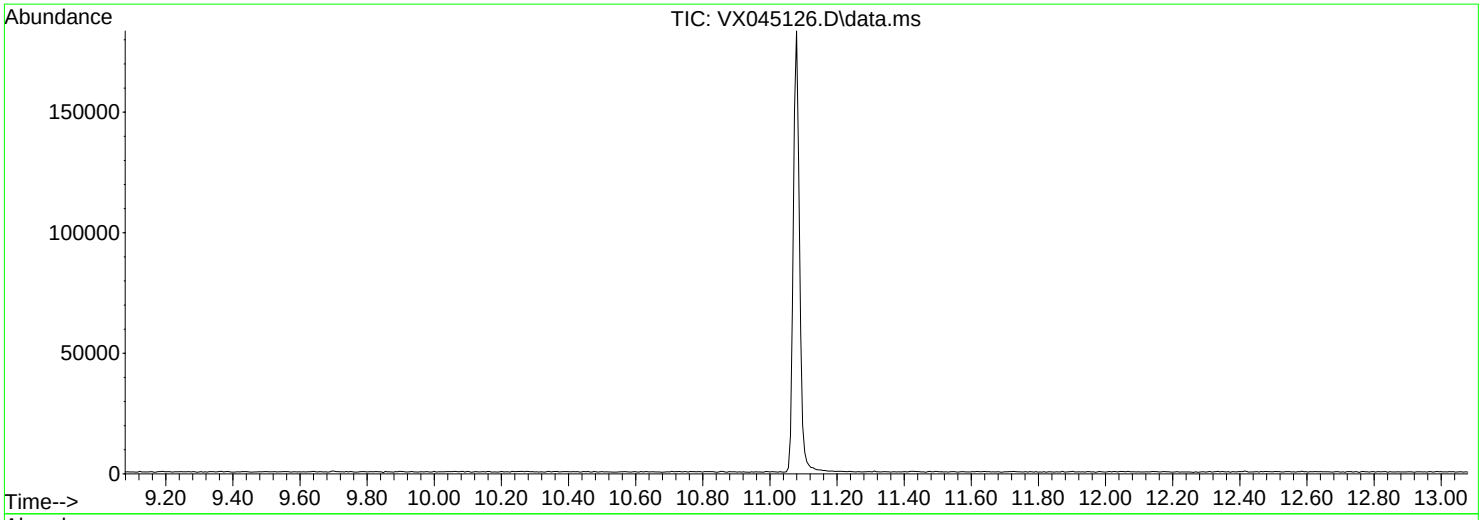
Sample Results: **VX045126.D**

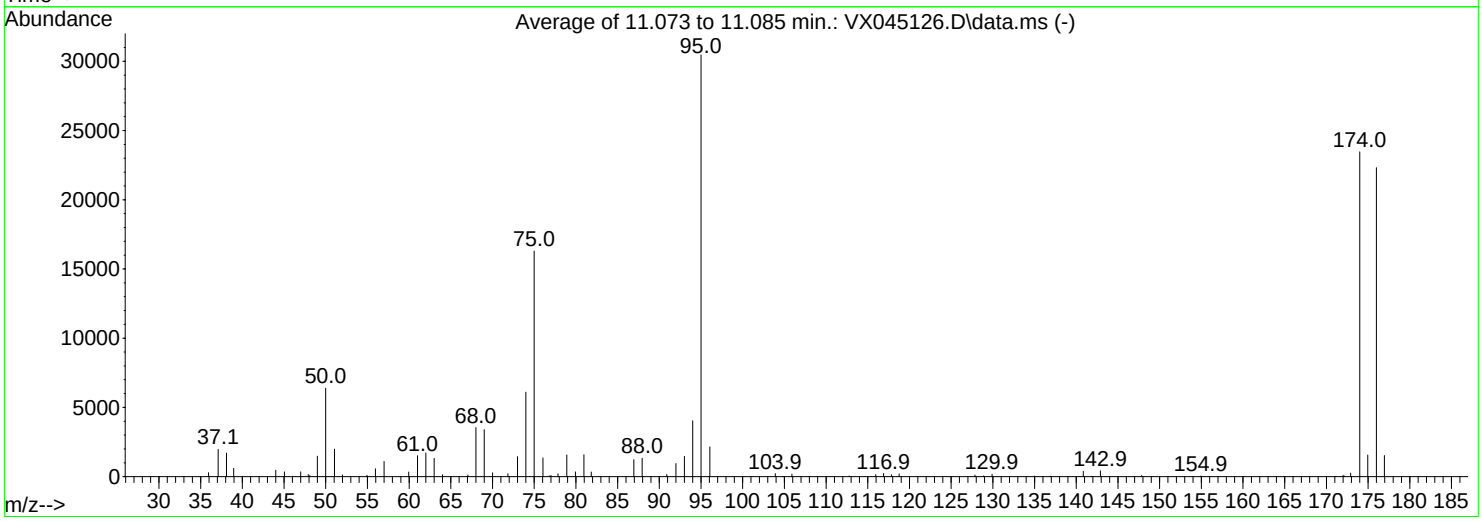
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045126.D
Acq On : 05 Mar 2025 08:40
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	6391	PASS
75	95	30	60	53.5	16301	PASS
95	95	100	100	100.0	30469	PASS
96	95	5	9	7.1	2150	PASS
173	174	0.00	2	1.1	256	PASS
174	95	50	100	77.0	23464	PASS
175	174	5	9	6.7	1563	PASS
176	174	95	101	95.1	22320	PASS
177	176	5	9	6.9	1531	PASS

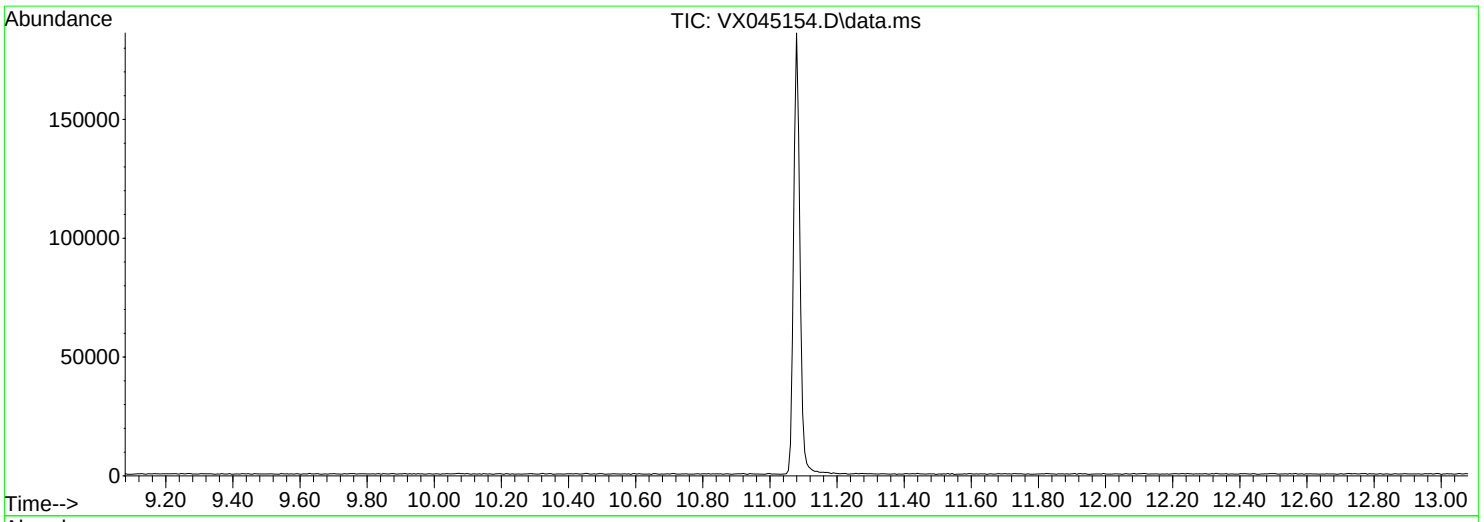
Sample Results: **VX045154.D**

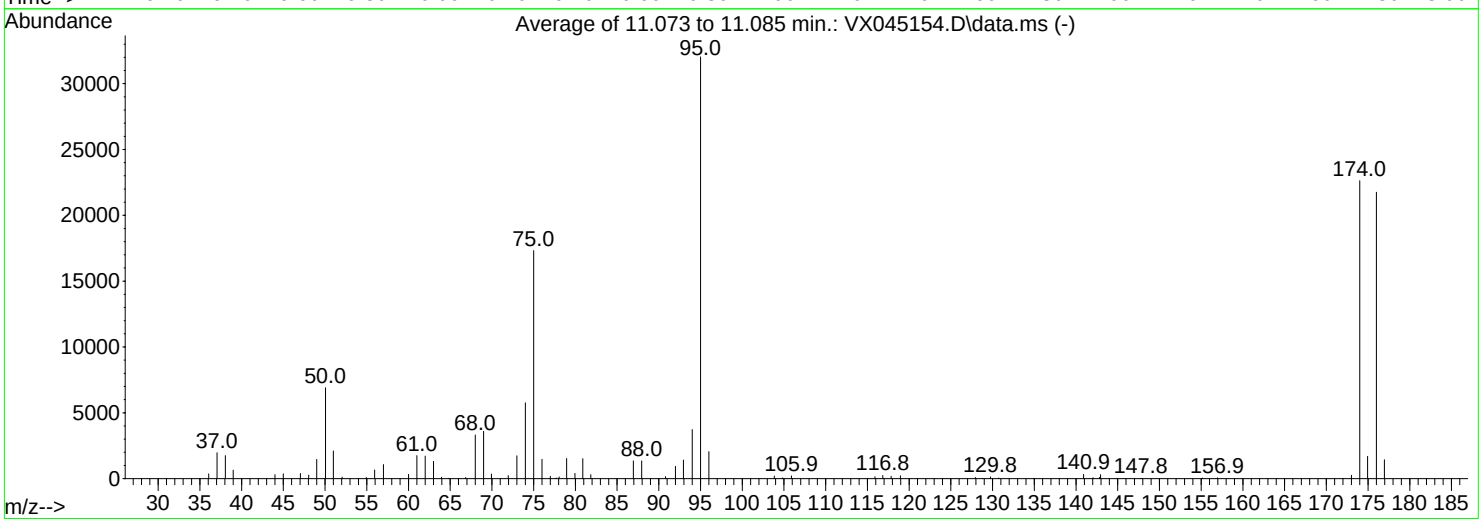
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045154.D
Acq On : 06 Mar 2025 09:09
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	6899	PASS
75	95	30	60	54.0	17313	PASS
95	95	100	100	100.0	32037	PASS
96	95	5	9	6.4	2059	PASS
173	174	0.00	2	1.1	256	PASS
174	95	50	100	70.6	22629	PASS
175	174	5	9	7.5	1688	PASS
176	174	95	101	96.1	21751	PASS
177	176	5	9	6.6	1434	PASS

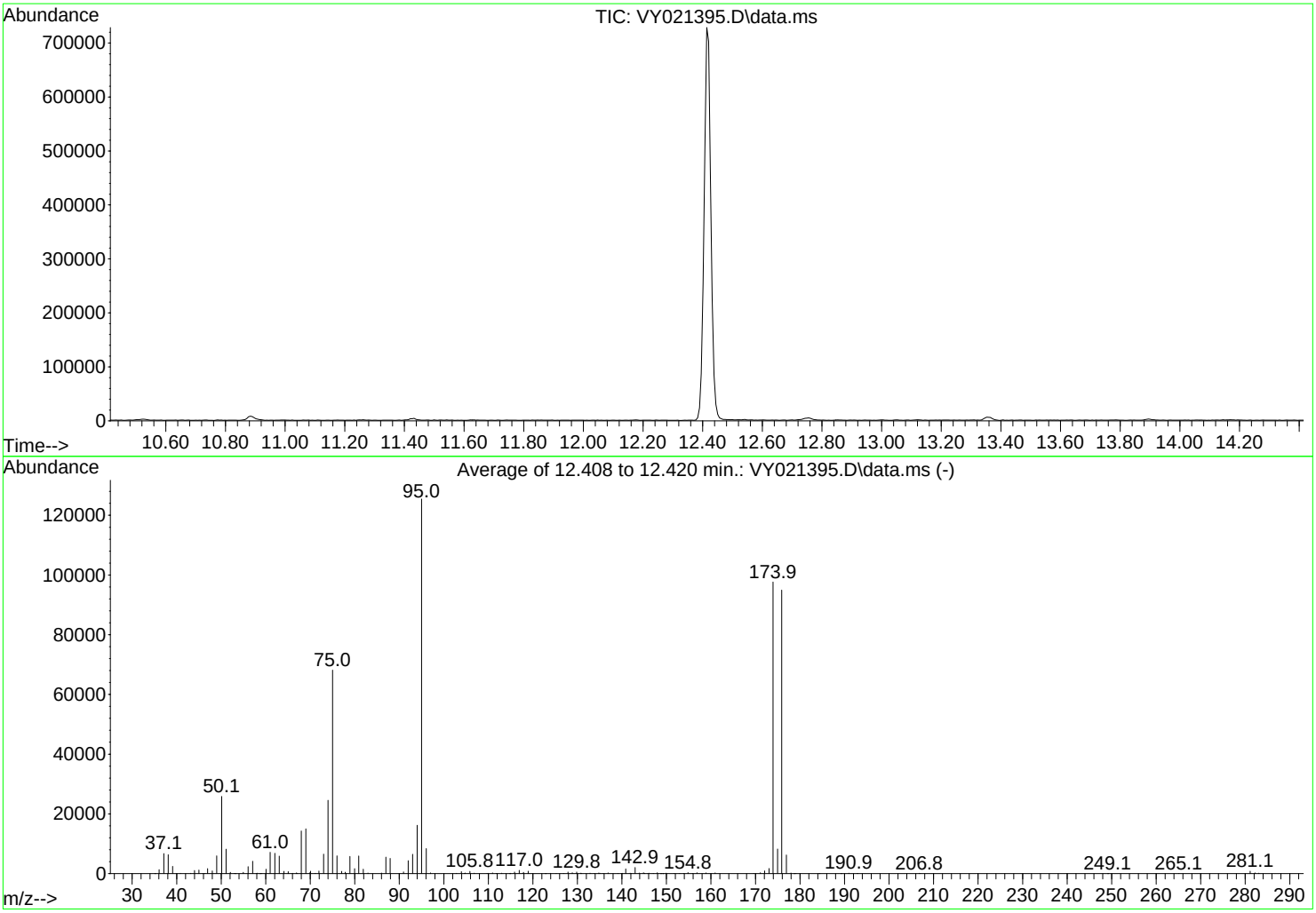
Sample Results: **VY021395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
Data File : VY021395.D
Acq On : 04 Mar 2025 08:52
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Title : SW846 8260
Last Update : Wed Mar 05 12:42:45 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	25853	PASS
75	95	30	60	54.3	68152	PASS
95	95	100	100	100.0	125459	PASS
96	95	5	9	6.7	8382	PASS
173	174	0.00	2	1.8	1721	PASS
174	95	50	100	77.8	97645	PASS
175	174	5	9	8.4	8226	PASS
176	174	95	101	97.2	94957	PASS
177	176	5	9	6.6	6262	PASS

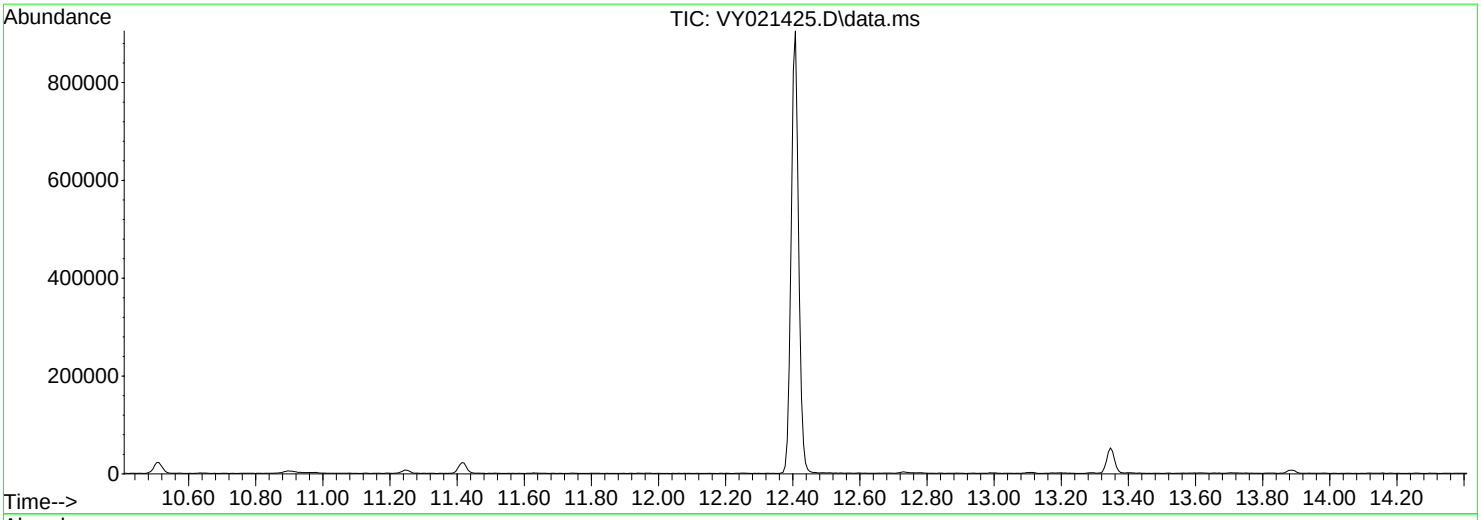
Sample Results: **VY021425.D**

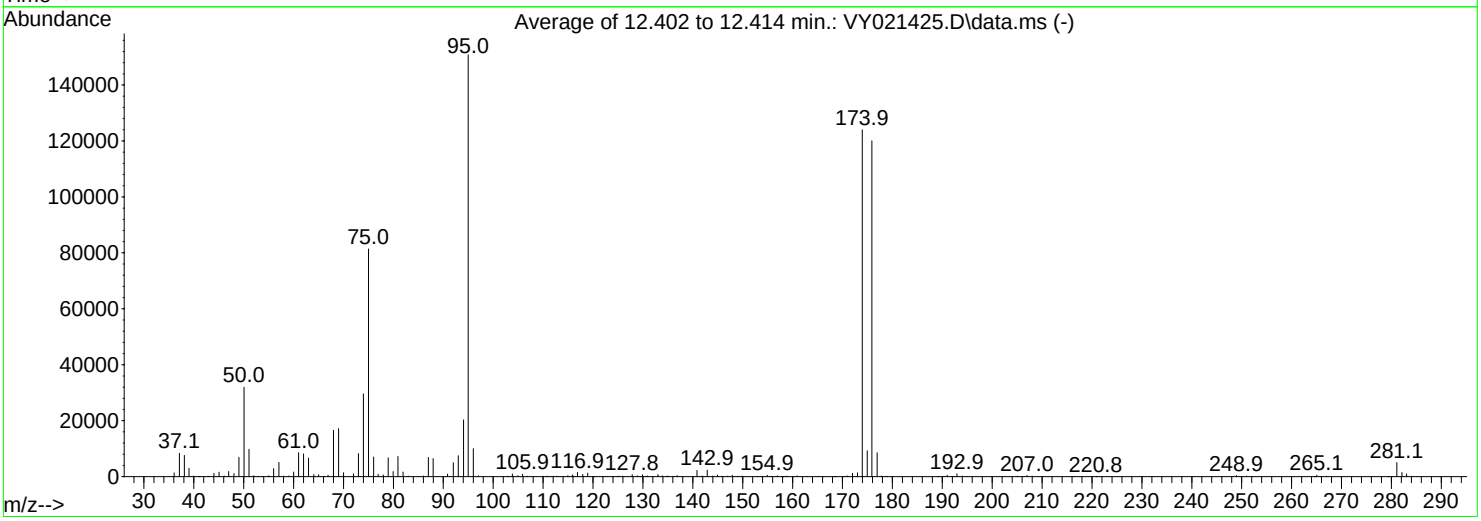
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021425.D
Acq On : 06 Mar 2025 09:39
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Title : SW846 8260
Last Update : Wed Mar 05 12:42:45 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.2	31960	PASS
75	95	30	60	54.0	81405	PASS
95	95	100	100	100.0	150795	PASS
96	95	5	9	6.6	10000	PASS
173	174	0.00	2	1.1	1384	PASS
174	95	50	100	82.3	124032	PASS
175	174	5	9	7.5	9302	PASS
176	174	95	101	96.8	120088	PASS
177	176	5	9	7.1	8525	PASS

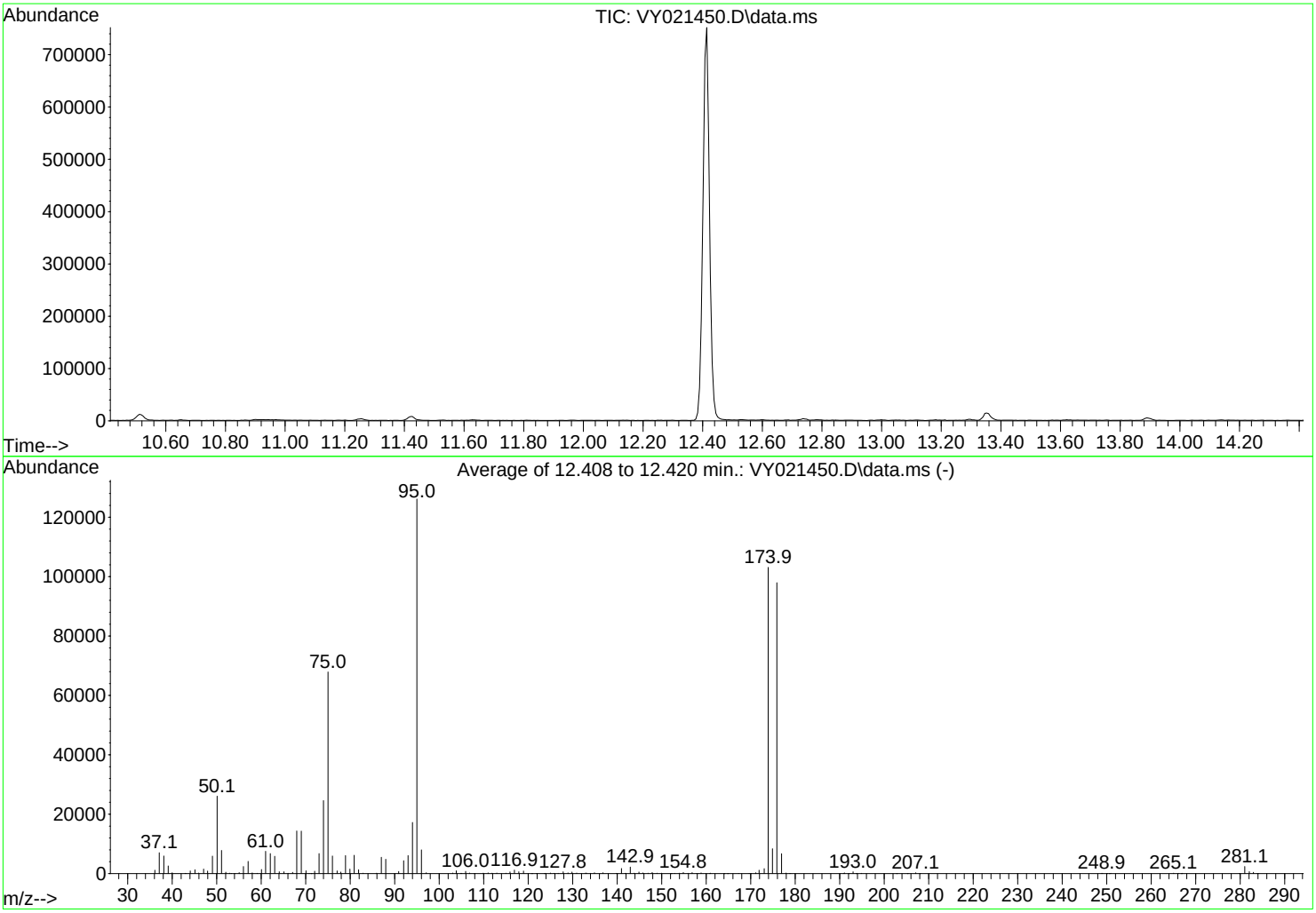
Sample Results: **VY021450.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021450.D
Acq On : 07 Mar 2025 09:27
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Title : SW846 8260
Last Update : Wed Mar 05 12:42:45 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	26077	PASS
75	95	30	60	53.8	67880	PASS
95	95	100	100	100.0	126147	PASS
96	95	5	9	6.3	7984	PASS
173	174	0.00	2	1.6	1692	PASS
174	95	50	100	81.7	103099	PASS
175	174	5	9	8.1	8396	PASS
176	174	95	101	95.0	97952	PASS
177	176	5	9	6.9	6713	PASS

Raw Data: **VX045129.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0305WBL01	SDG No.:	Q1488
Lab Sample ID:	VX0305WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045129.D	1		03/05/25 10:03	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Raw Data: **VX045129.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0305WBL01	SDG No.:	Q1488
Lab Sample ID:	VX0305WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045129.D	1		03/05/25 10:03	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68100	5.544			
540-36-3	1,4-Difluorobenzene	137000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51000	12.018			

Raw Data: **VX045129.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0305WBL01	SDG No.:	Q1488
Lab Sample ID:	VX0305WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045129.D	1		03/05/25 10:03	VX030525

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_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Quant Time: Mar 06 00:59:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

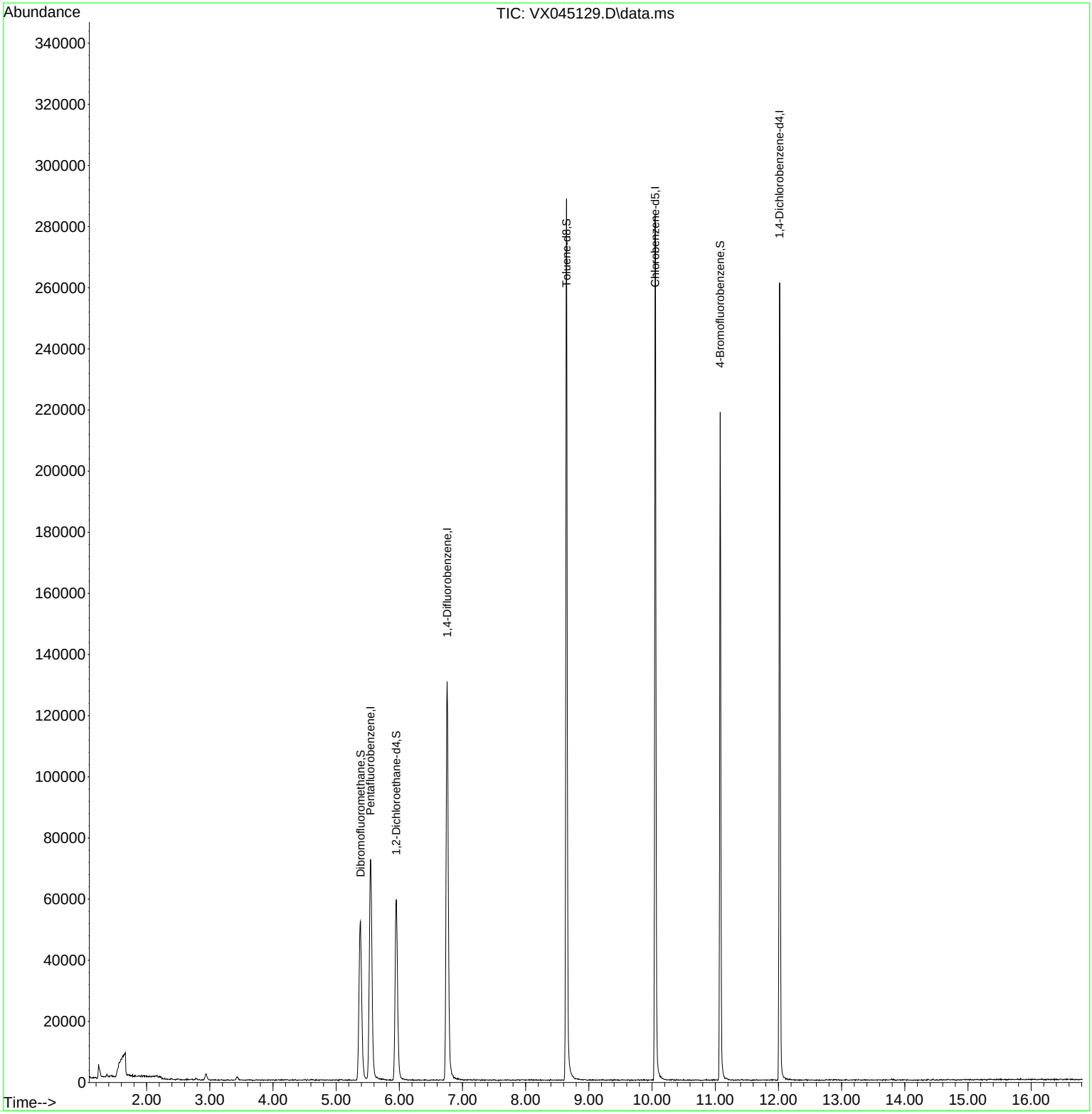
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	68143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57117	52.695	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.400%			
35) Dibromofluoromethane	5.385	113	46625	50.976	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.960%			
50) Toluene-d8	8.647	98	169234	51.037	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.080%			
62) 4-Bromofluorobenzene	11.079	95	56568	51.482	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.960%			
Target Compounds						Qvalue

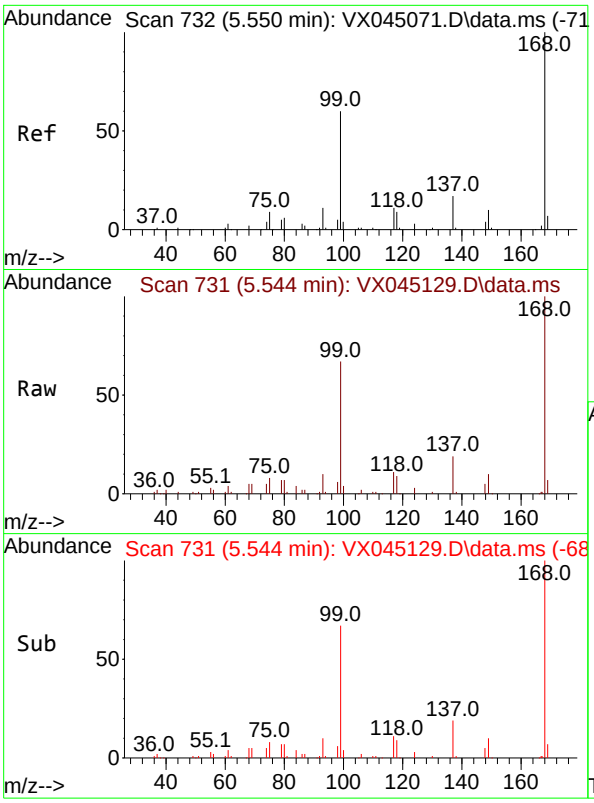
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Quant Time: Mar 06 00:59:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



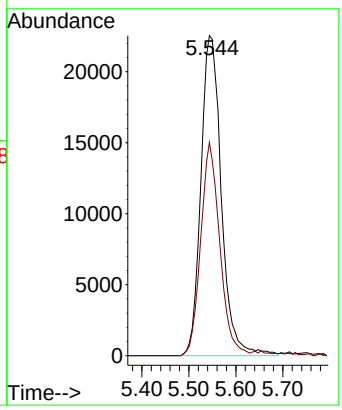


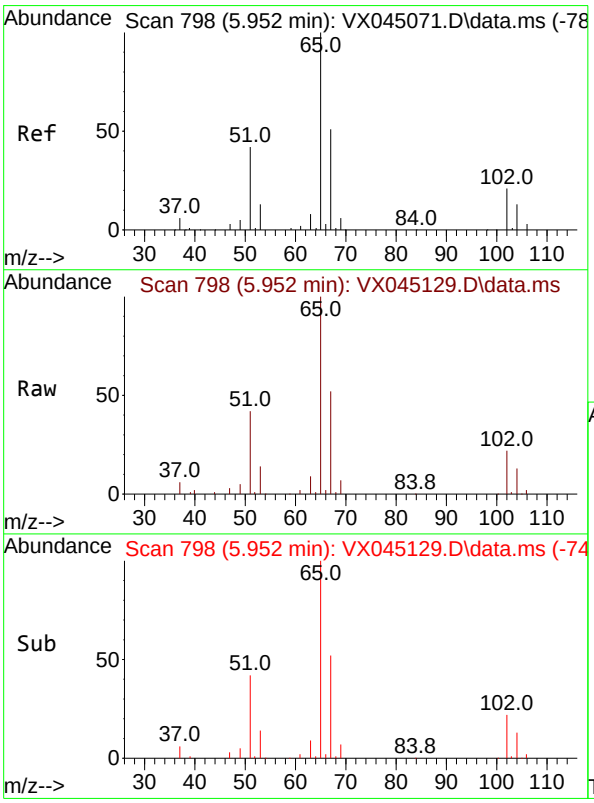
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Tgt Ion:168 Resp: 68143

Ion	Ratio	Lower	Upper
168	100		
99	66.6	48.2	72.4

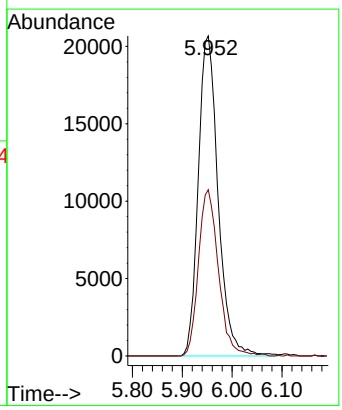


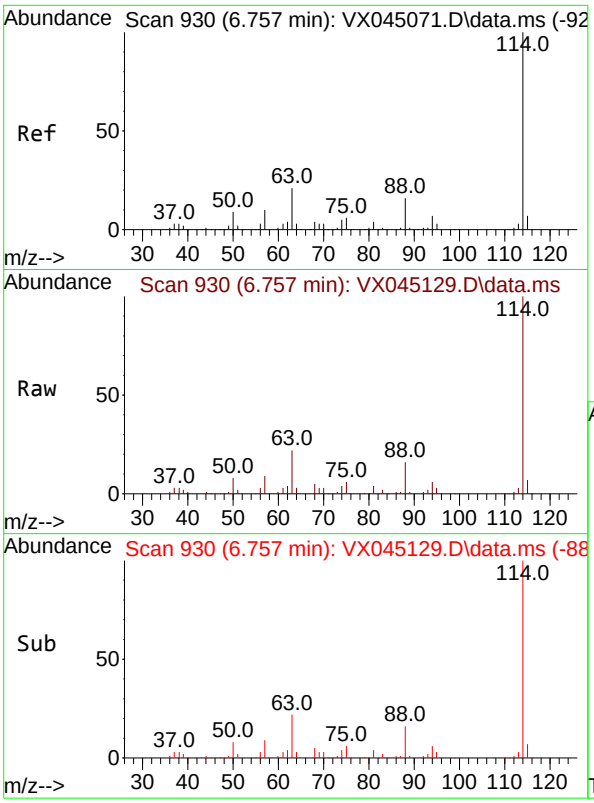


#33
1,2-Dichloroethane-d4
Concen: 52.695 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

Tgt Ion: 65 Resp: 57117

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.2



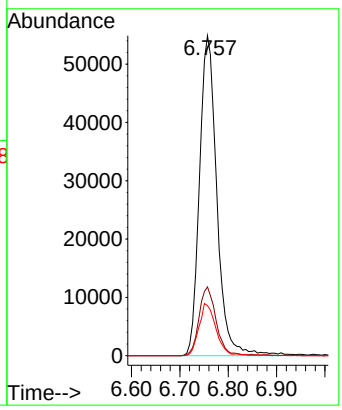


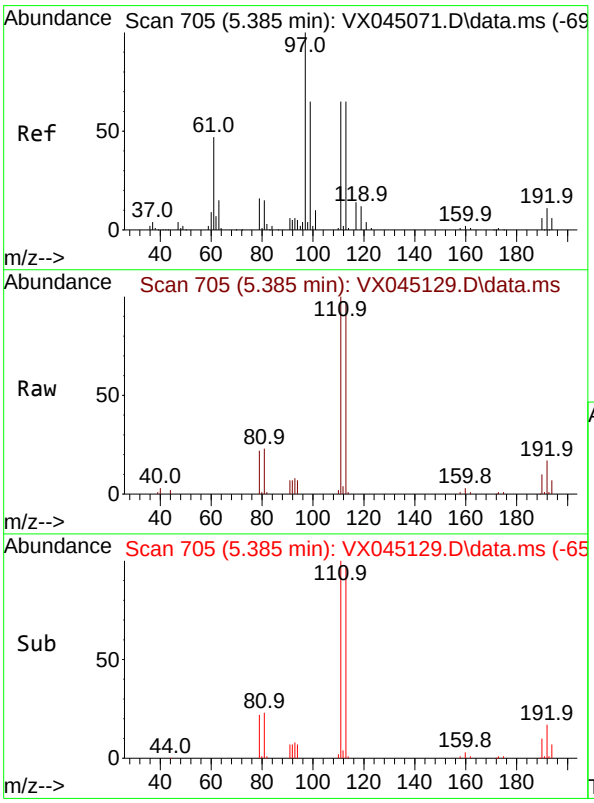
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Tgt Ion:114 Resp: 136785

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	41.8
88	15.7	0.0	32.8

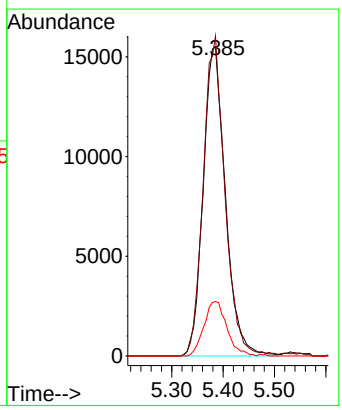


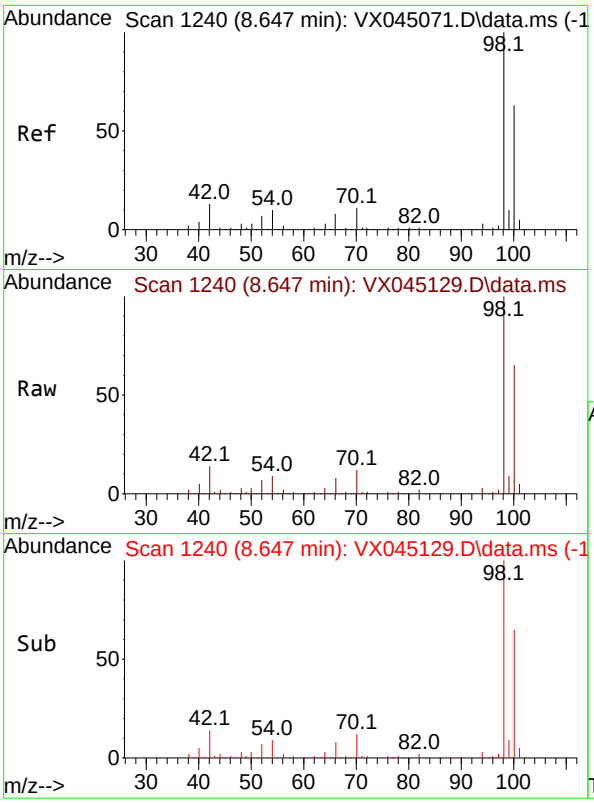


#35
Dibromofluoromethane
Concen: 50.976 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

Tgt Ion:113 Resp: 46625

Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.8	122.6
192	18.1	14.3	21.5



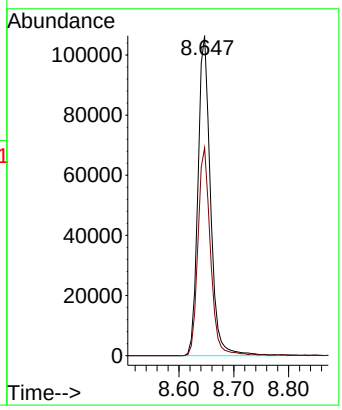


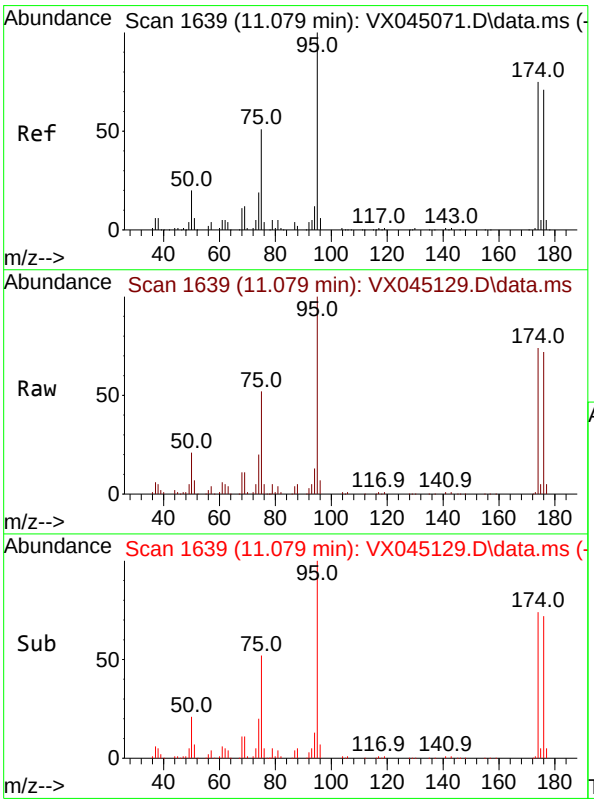
#50
Toluene-d8
Concen: 51.037 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Tgt Ion: 98 Resp: 169234

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0

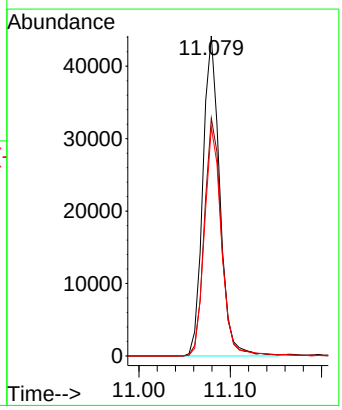


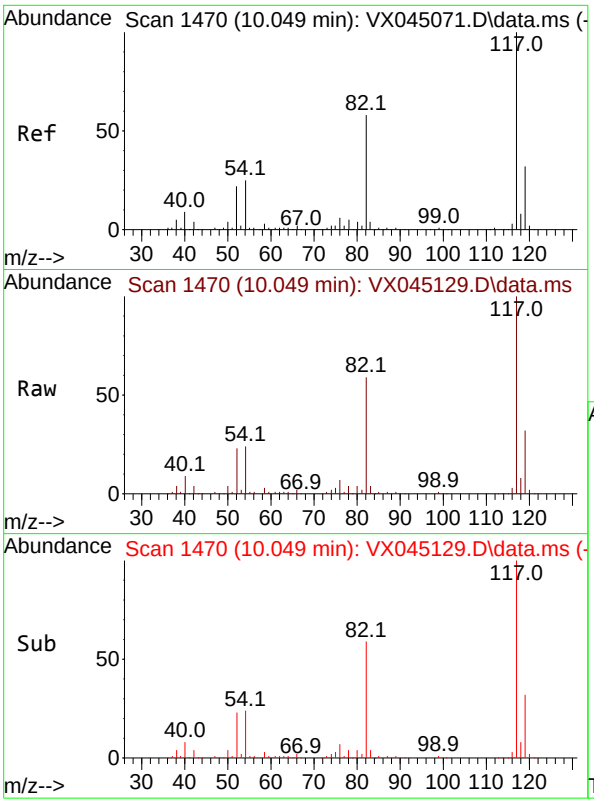


#62
4-Bromofluorobenzene
Concen: 51.482 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

Tgt Ion: 95 Resp: 56568

Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	148.2
176	72.4	0.0	141.4



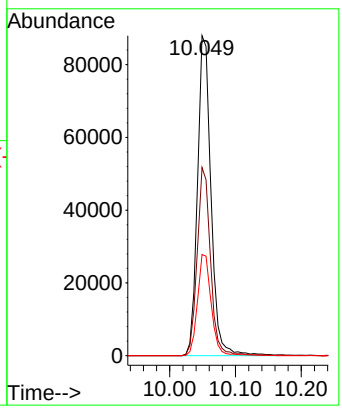


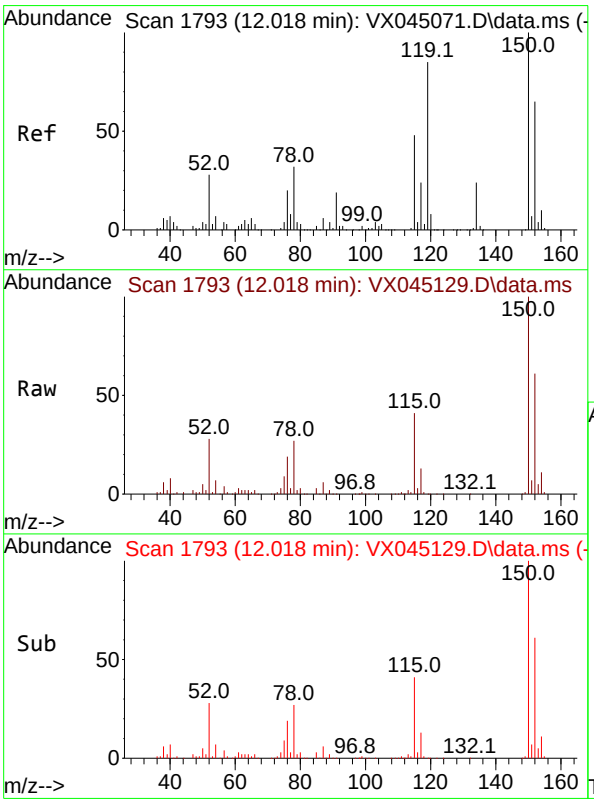
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Tgt Ion:117 Resp: 125445

Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.3	69.5
119	31.6	25.7	38.5

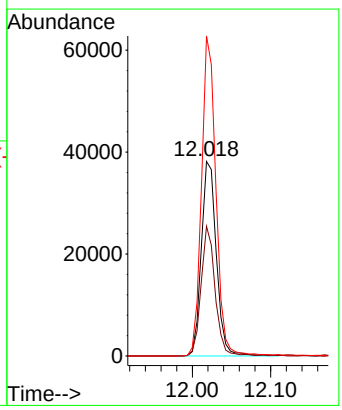




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

Tgt Ion:152 Resp: 50961

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.2	132.6
150	158.0	0.0	349.0



Sample Results: **VX045129.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

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_X\Method\82X022825W.M
Title : SW846 8260

Signal : TIC: VX045129.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	34	rBV2	4585	9025	1.96%	0.386%
2	1.563	69	78	79	rBV4	4725	9424	2.04%	0.403%
3	5.385	695	705	719	rBV	51879	154017	33.38%	6.584%
4	5.544	721	731	746	rVV	71740	205467	44.53%	8.783%
5	5.952	786	798	814	rBV	59212	161982	35.11%	6.924%
6	6.757	921	930	945	rBV	130477	322367	69.87%	13.780%
7	8.647	1233	1240	1257	rBV	288427	461364	100.00%	19.721%
8	10.049	1465	1470	1488	rBV	283057	403560	87.47%	17.251%
9	11.079	1634	1639	1651	rBV	218519	281517	61.02%	12.034%
10	12.018	1788	1793	1804	rBV	260936	330683	71.68%	14.135%

Sum of corrected areas: 2339406

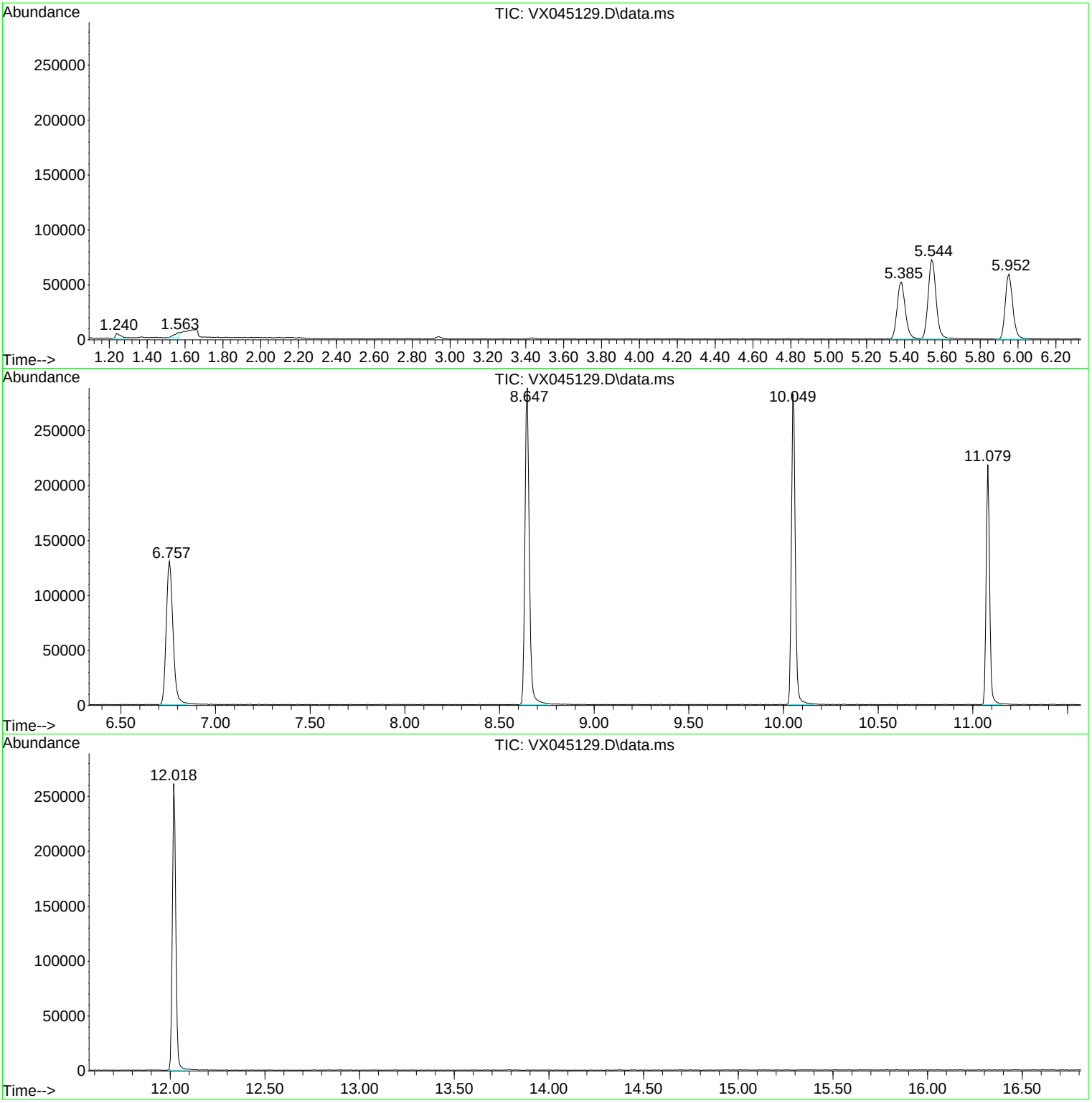
Sample Results: **VX045129.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX045129.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

Raw Data: **VX045157.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0306WBL01	SDG No.:	Q1488
Lab Sample ID:	VX0306WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045157.D	1		03/06/25 10:46	VX030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Raw Data: **VX045157.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0306WBL01	SDG No.:	Q1488
Lab Sample ID:	VX0306WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045157.D	1		03/06/25 10:46	VX030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	52.3		70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	71200	5.544			
540-36-3	1,4-Difluorobenzene	140000	6.757			
3114-55-4	Chlorobenzene-d5	129000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	53700	12.024			

Raw Data: **VX045157.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0306WBL01	SDG No.:	Q1488
Lab Sample ID:	VX0306WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045157.D	1		03/06/25 10:46	VX030625

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_X\Data\VX030625\
Data File : VX045157.D
Acq On : 06 Mar 2025 10:46
Operator : JC/MD
Sample : VX0306WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Quant Time: Mar 07 00:37:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	71177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139793	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61044	53.917	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.840%			
35) Dibromofluoromethane	5.379	113	48946	52.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.720%			
50) Toluene-d8	8.647	98	177288	52.315	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.640%			
62) 4-Bromofluorobenzene	11.079	95	58160	51.792	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.580%			

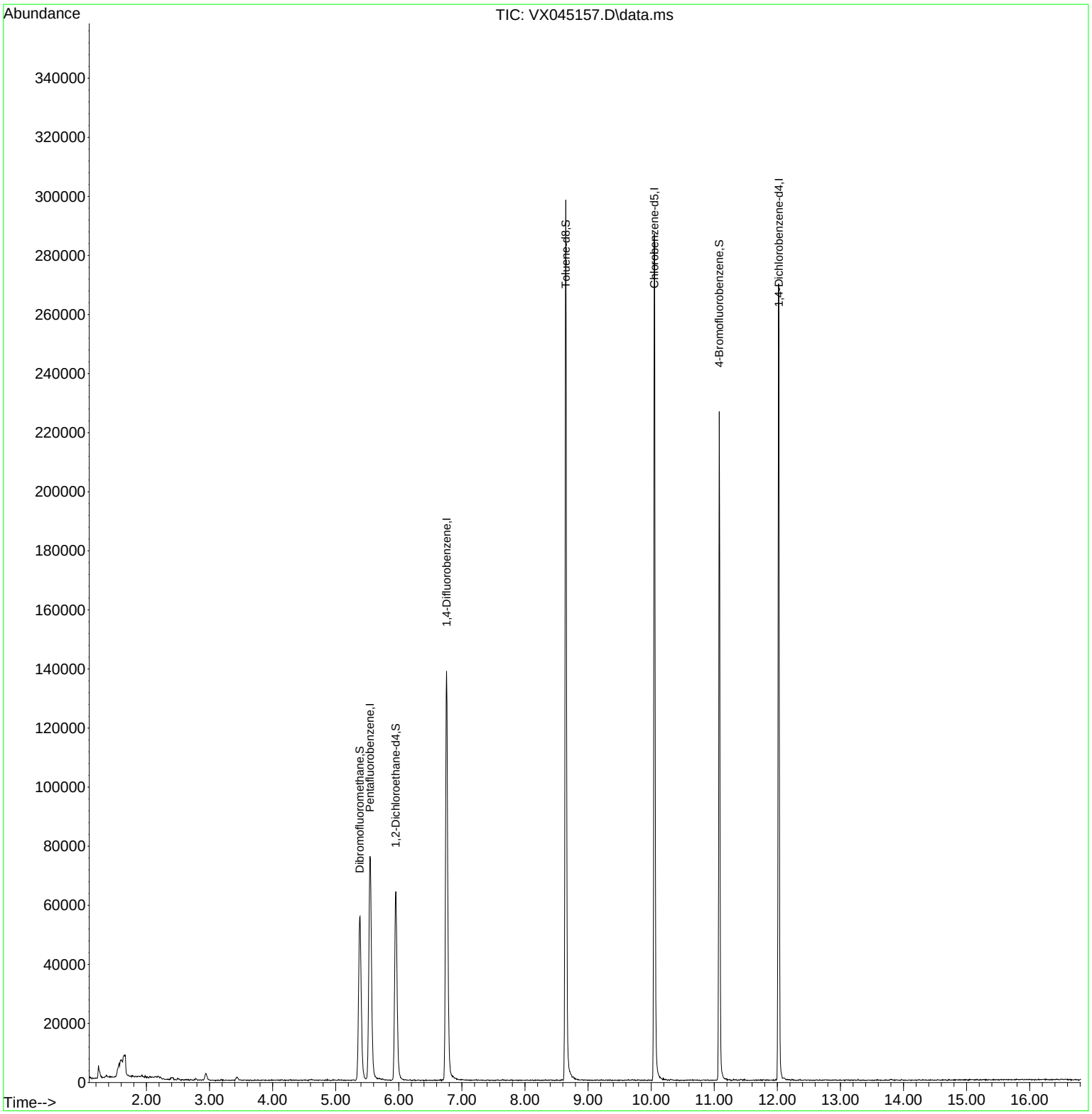
Target Compounds Qvalue

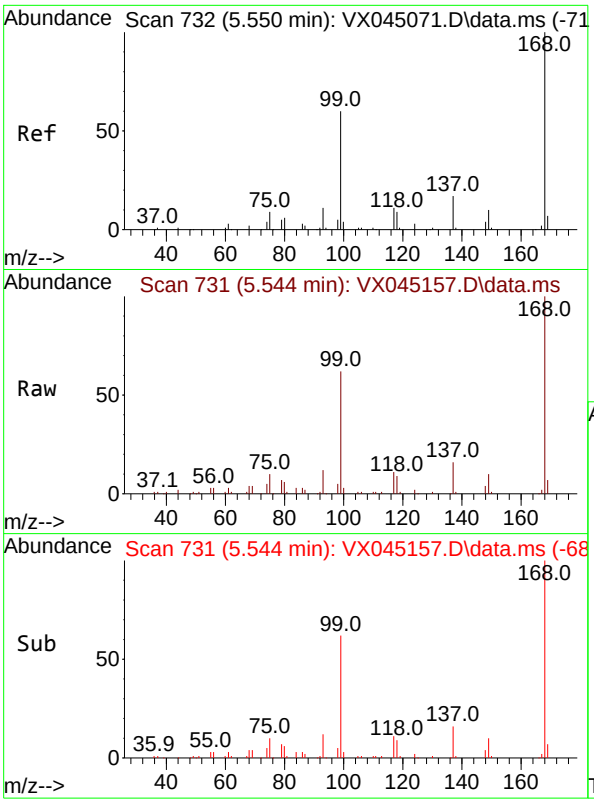
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045157.D
Acq On : 06 Mar 2025 10:46
Operator : JC/MD
Sample : VX0306WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Quant Time: Mar 07 00:37:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



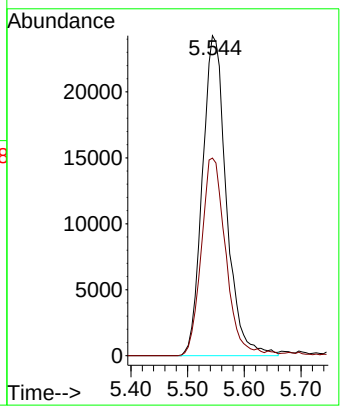


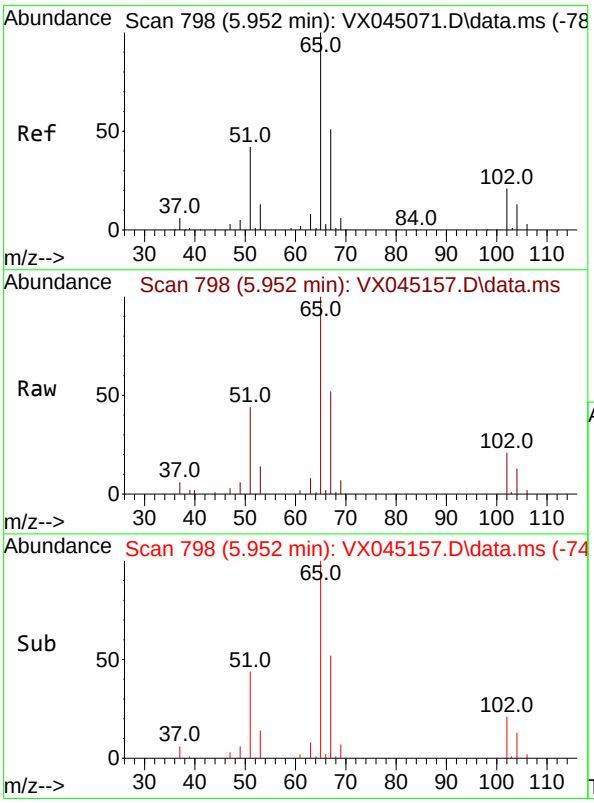
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045157.D
Acq: 06 Mar 2025 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Tgt Ion:168 Resp: 71177

Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4

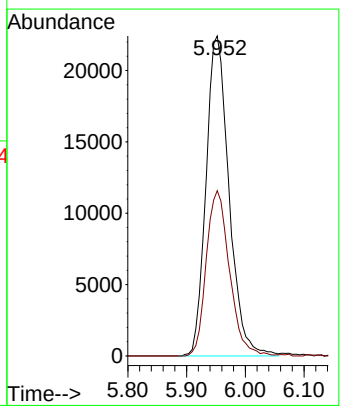


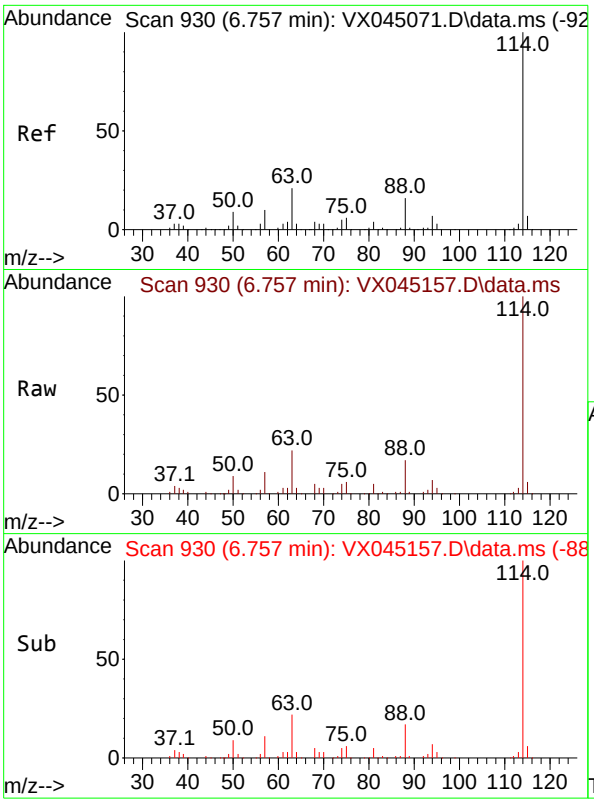


#33
1,2-Dichloroethane-d4
Concen: 53.917 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045157.D
Acq: 06 Mar 2025 10:46

Tgt Ion: 65 Resp: 61044

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2



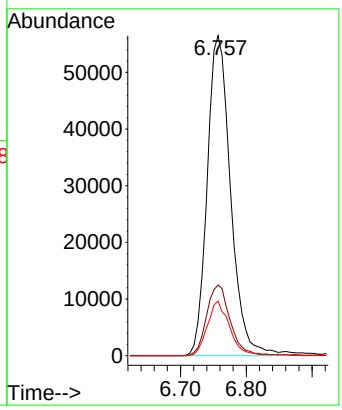


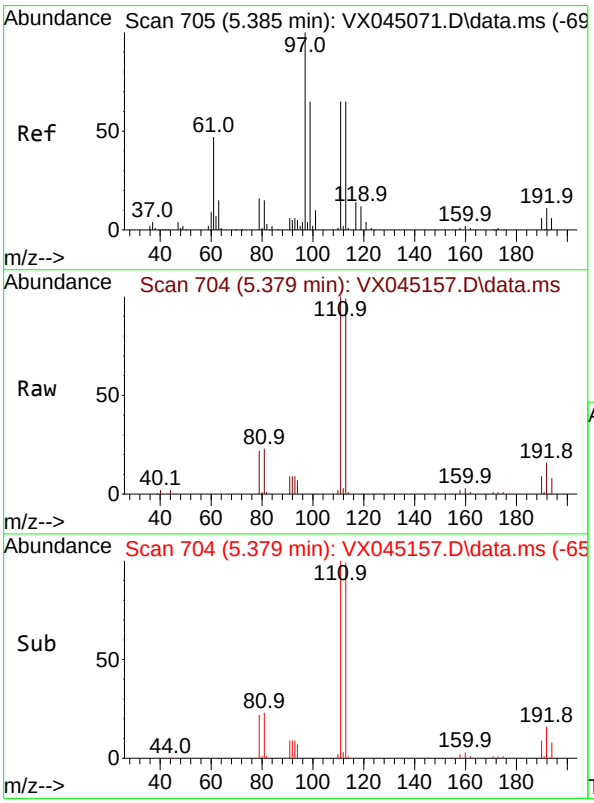
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045157.D
Acq: 06 Mar 2025 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Tgt Ion:114 Resp: 139793

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.8
88	17.1	0.0	32.8

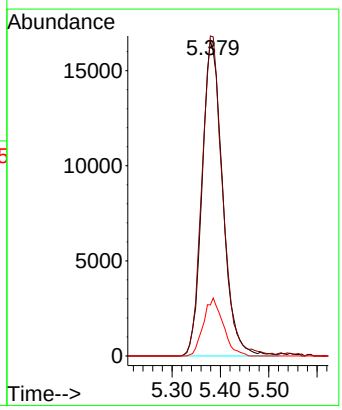


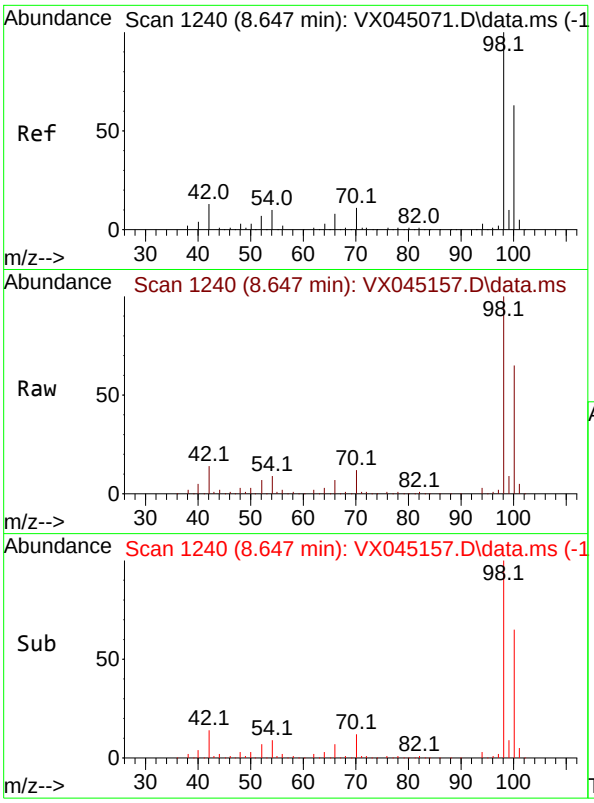


#35
Dibromofluoromethane
Concen: 52.362 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045157.D
Acq: 06 Mar 2025 10:46

Tgt Ion:113 Resp: 48946

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.6
192	17.7	14.3	21.5



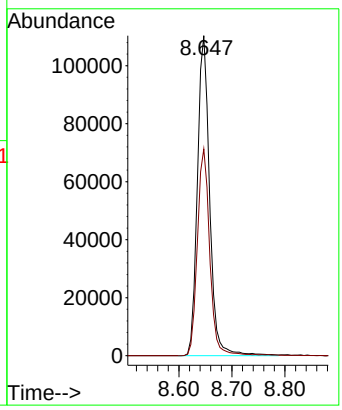


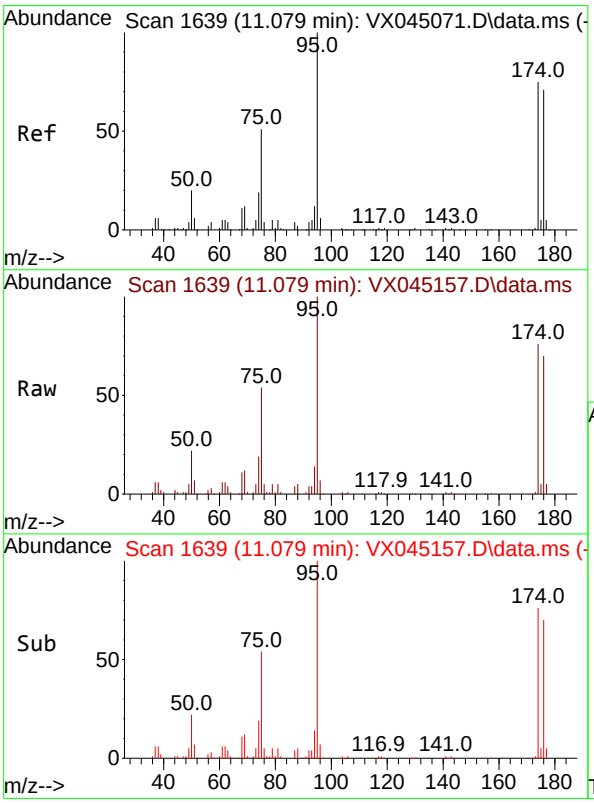
#50
Toluene-d8
Concen: 52.315 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045157.D
Acq: 06 Mar 2025 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Tgt Ion: 98 Resp: 177288

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.0	78.0

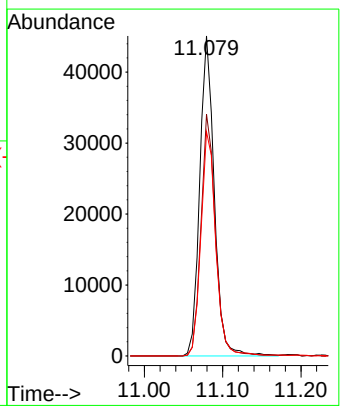


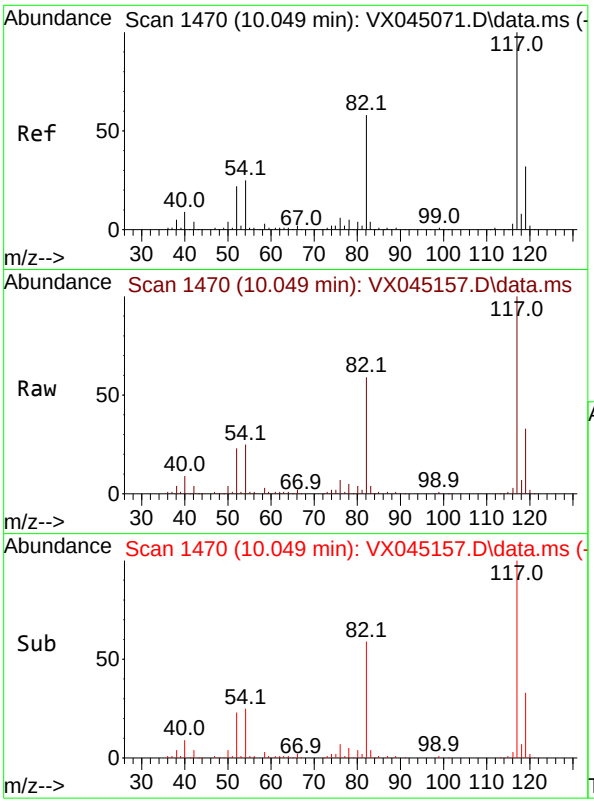


#62
4-Bromofluorobenzene
Concen: 51.792 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045157.D
Acq: 06 Mar 2025 10:46

Tgt Ion: 95 Resp: 58160

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	148.2
176	71.7	0.0	141.4



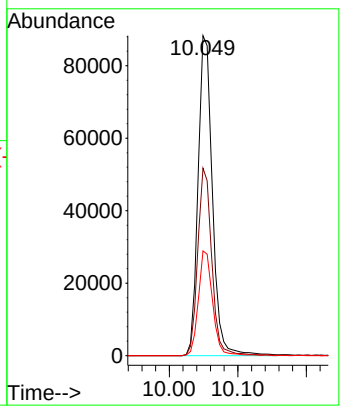


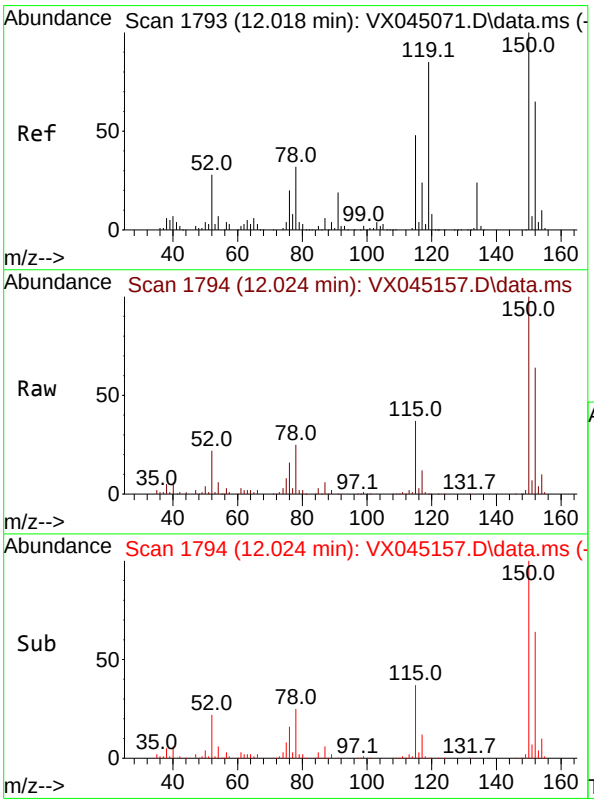
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045157.D
Acq: 06 Mar 2025 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Tgt Ion:117 Resp: 129041

Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.3	69.5
119	32.8	25.7	38.5

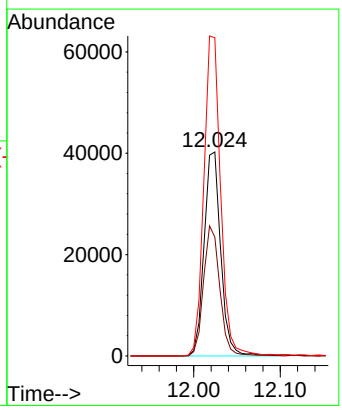




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045157.D
Acq: 06 Mar 2025 10:46

Tgt Ion:152 Resp: 53719

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.2	132.6
150	159.1	0.0	349.0



Sample Results: **VX045157.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045157.D
Acq On : 06 Mar 2025 10:46
Operator : JC/MD
Sample : VX0306WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

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_X\Method\82X022825W.M
Title : SW846 8260

Signal : TIC: VX045157.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	32	rBV3	4319	7132	1.48%	0.290%
2	1.569	70	79	80	rBV3	4531	9642	2.00%	0.393%
3	2.941	298	304	311	rBV4	2309	5388	1.12%	0.219%
4	5.385	692	705	720	rBV2	55591	164180	33.98%	6.686%
5	5.544	721	731	747	rVV2	75358	217899	45.10%	8.873%
6	5.952	785	798	821	rBV2	64025	173958	36.00%	7.084%
7	6.757	921	930	945	rBV	138474	338726	70.10%	13.793%
8	8.647	1233	1240	1256	rBV	298102	483187	100.00%	19.676%
9	10.049	1465	1470	1484	rBV	286543	414987	85.89%	16.899%
10	11.079	1634	1639	1656	rBV	226269	289583	59.93%	11.792%
11	12.018	1788	1793	1803	rBV	269584	351017	72.65%	14.294%

Sum of corrected areas: 2455699

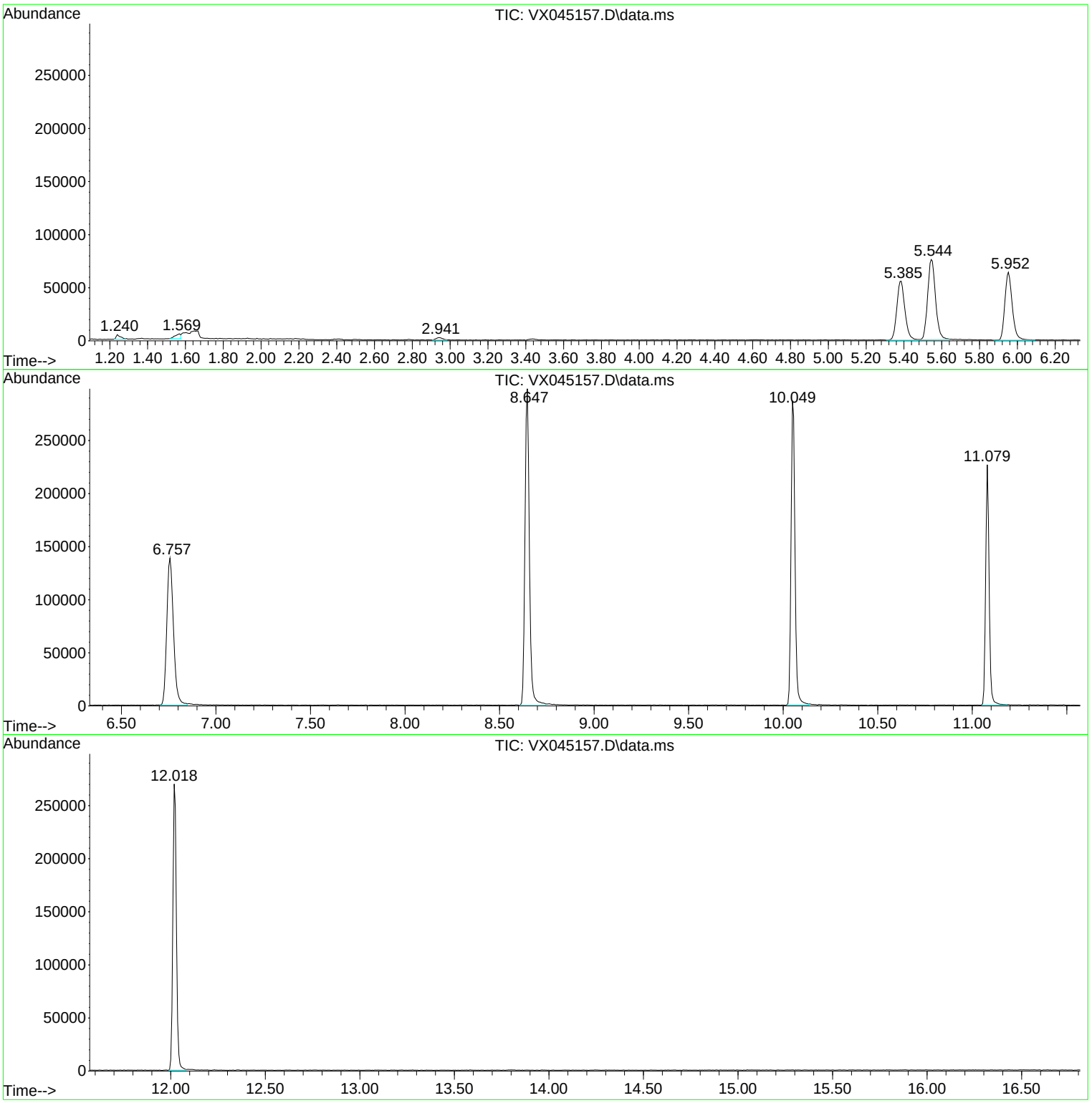
Sample Results: **VX045157.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045157.D
Acq On : 06 Mar 2025 10:46
Operator : JC/MD
Sample : VX0306WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX045157.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045157.D
Acq On : 06 Mar 2025 10:46
Operator : JC/MD
Sample : VX0306WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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_X\Data\VX030625\
Data File : VX045157.D
Acq On : 06 Mar 2025 10:46
Operator : JC/MD
Sample : VX0306WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

Raw Data: **VY021427.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBL01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021427.D	1		03/06/25 11:59	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBL01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021427.D	1		03/06/25 11:59	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.4		70 (63) - 130 (155)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		70 (38) - 130 (136)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	249000	7.707			
540-36-3	1,4-Difluorobenzene	461000	8.616			
3114-55-4	Chlorobenzene-d5	406000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.352			

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBL01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021427.D	1		03/06/25 11:59	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Time: Mar 07 00:38:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

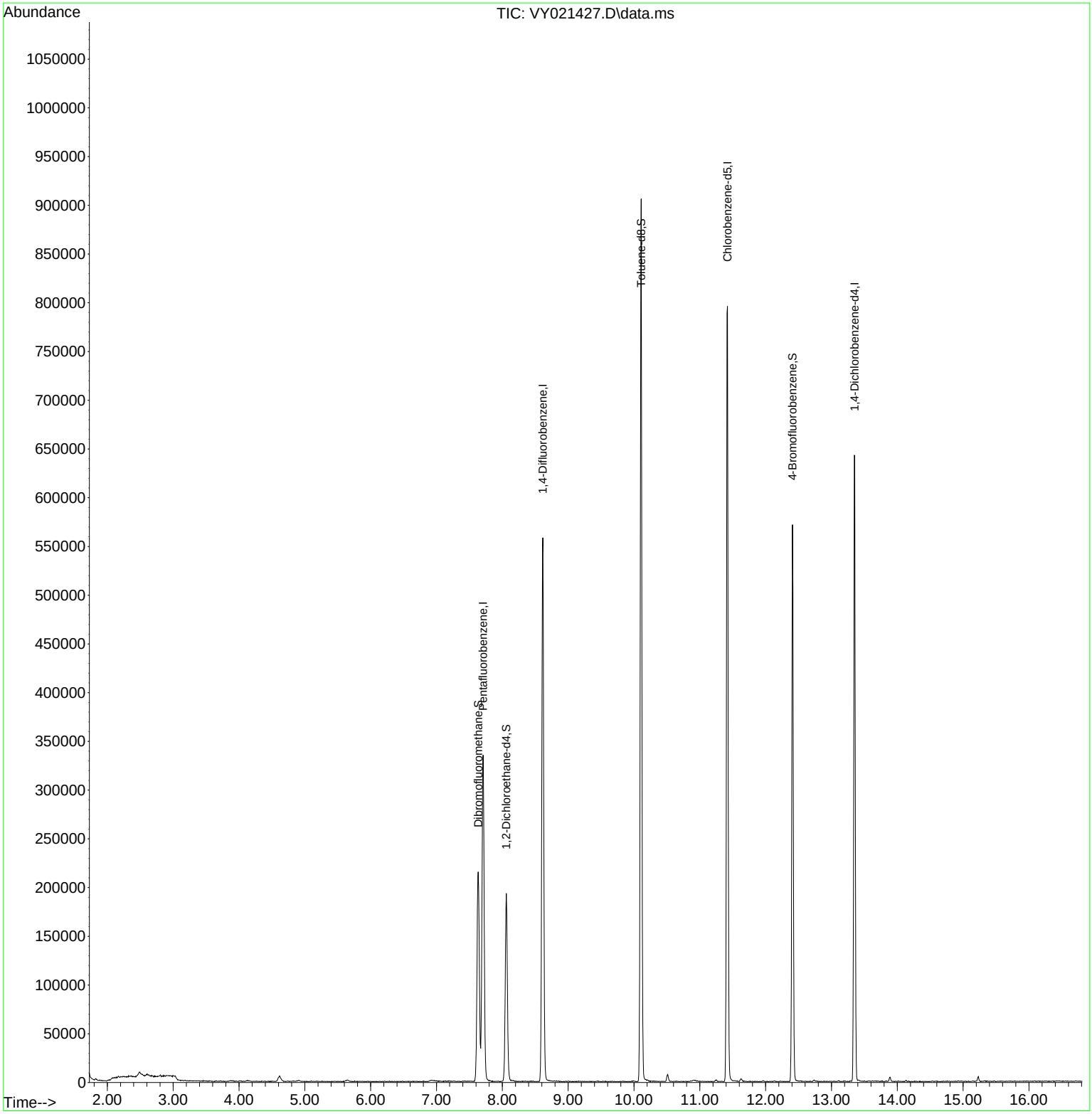
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	249443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	460921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	405928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	156000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154096	58.448	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.900%			
35) Dibromofluoromethane	7.634	113	154971	51.151	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.300%			
50) Toluene-d8	10.109	98	558007	48.643	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.280%			
62) 4-Bromofluorobenzene	12.408	95	170007	43.568	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.140%			
Target Compounds						Qvalue

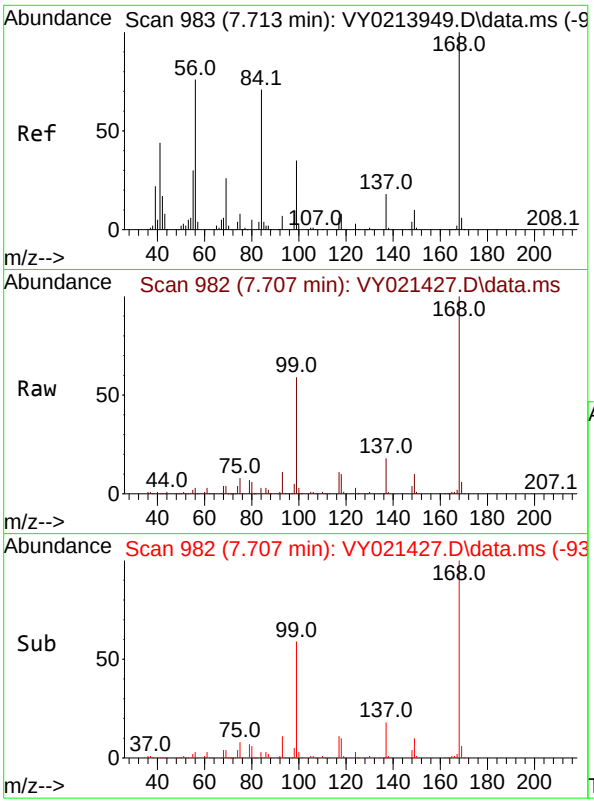
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Time: Mar 07 00:38:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



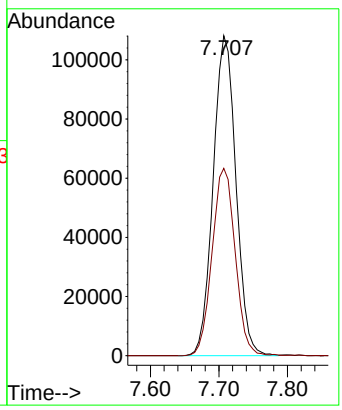


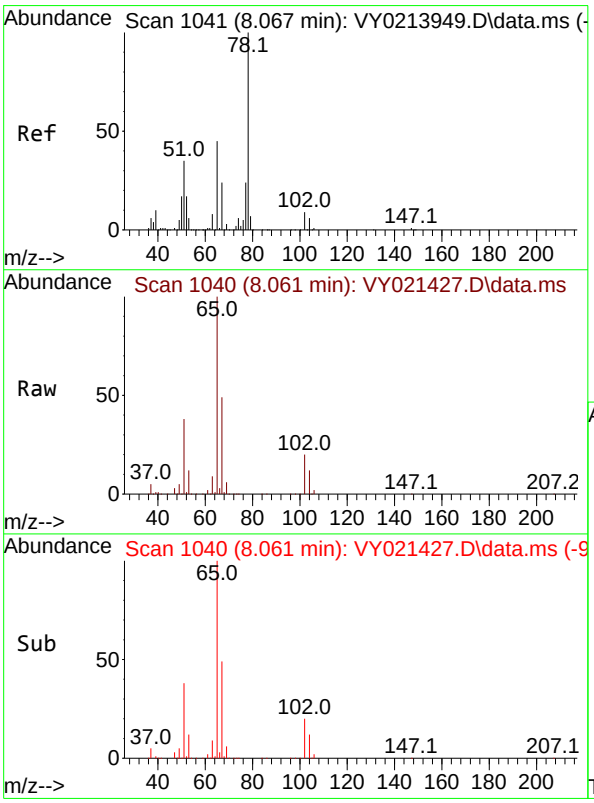
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Tgt Ion:168 Resp: 249443

Ion	Ratio	Lower	Upper
168	100		
99	58.6	46.0	69.0

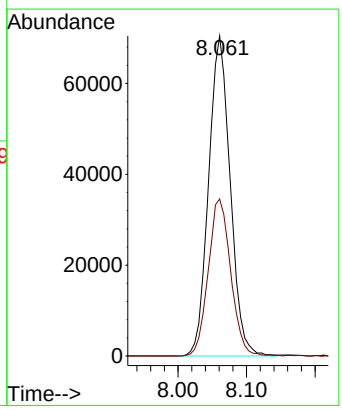


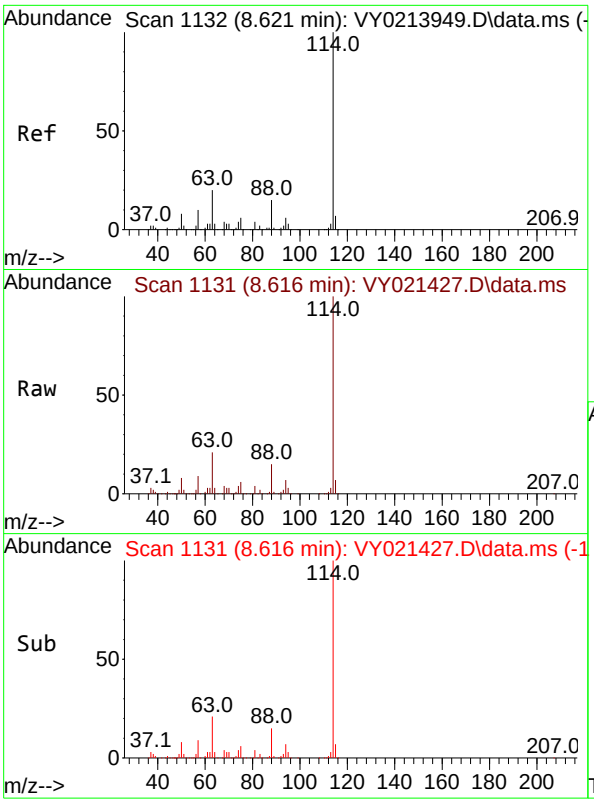


#33
1,2-Dichloroethane-d4
Concen: 58.448 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion: 65 Resp: 154096

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.8



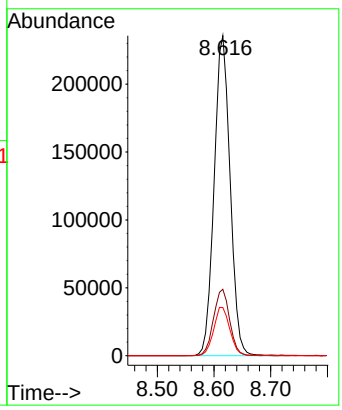


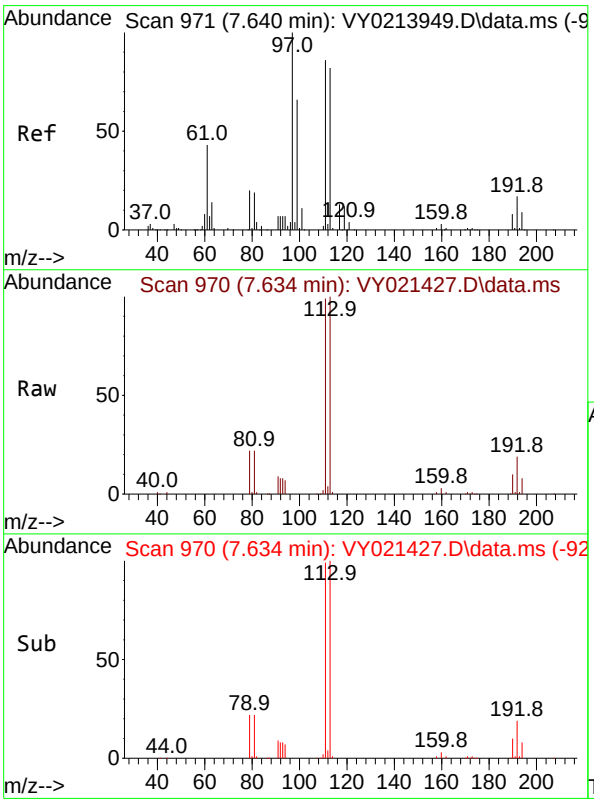
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Tgt Ion:114 Resp: 460921

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.1	0.0	30.8

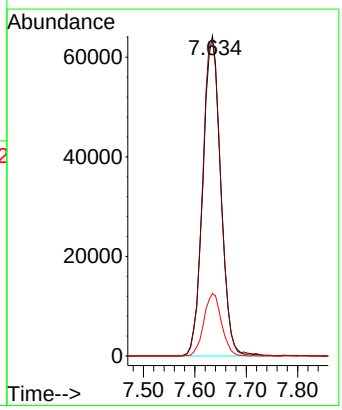


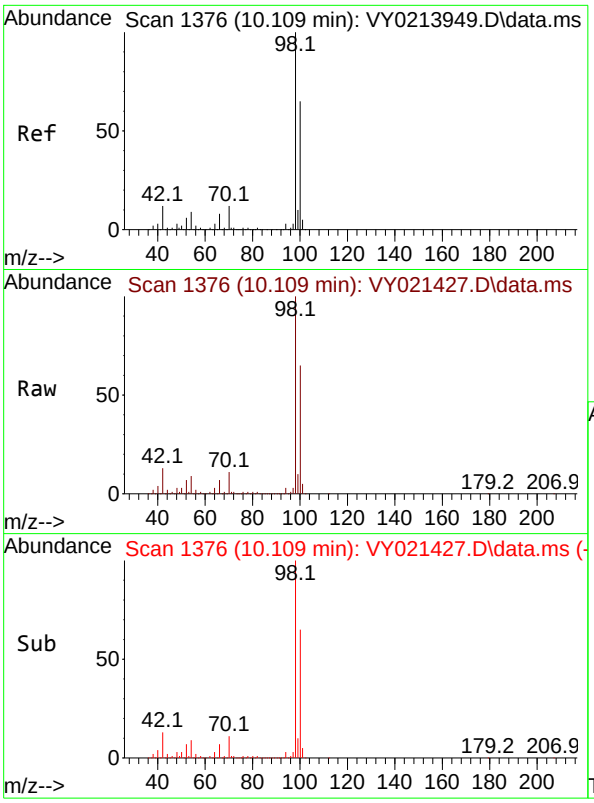


#35
Dibromofluoromethane
Concen: 51.151 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion:113 Resp: 154971

Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.0	123.0
192	19.3	15.9	23.9



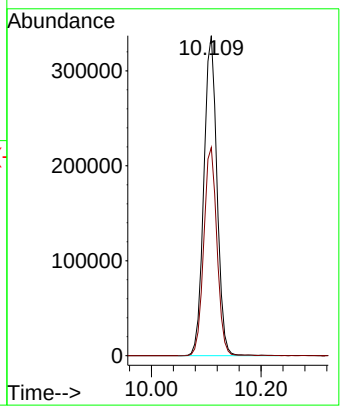


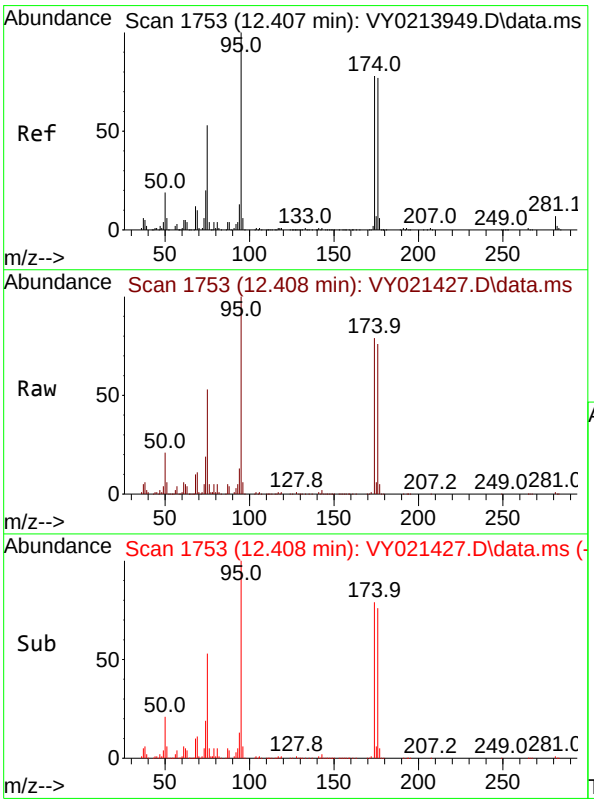
#50
Toluene-d8
Concen: 48.643 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Tgt Ion: 98 Resp: 558007

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1

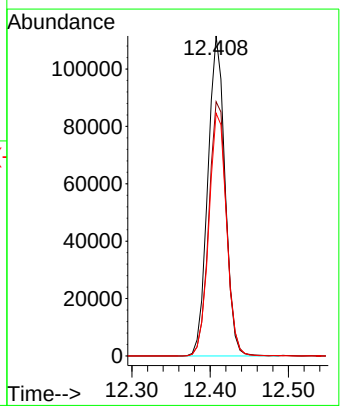


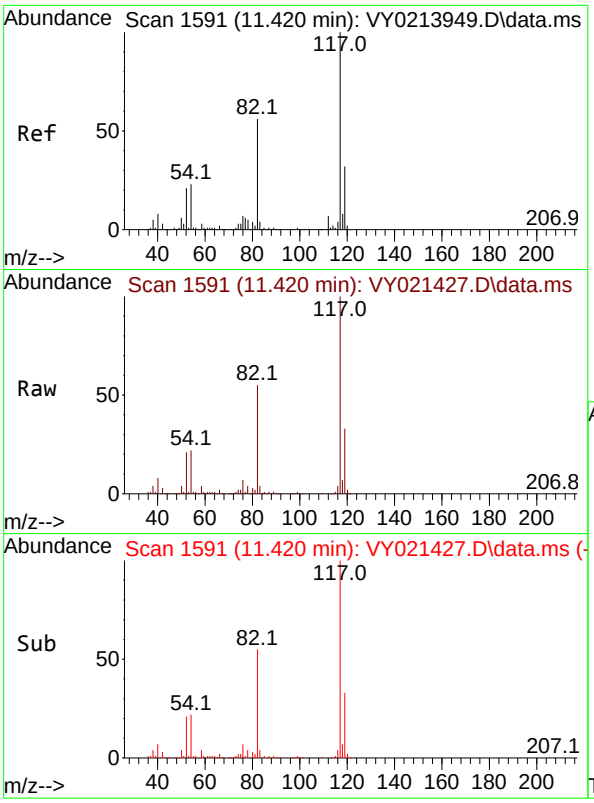


#62
4-Bromofluorobenzene
Concen: 43.568 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion: 95 Resp: 170007

Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	165.0
176	77.8	0.0	160.0



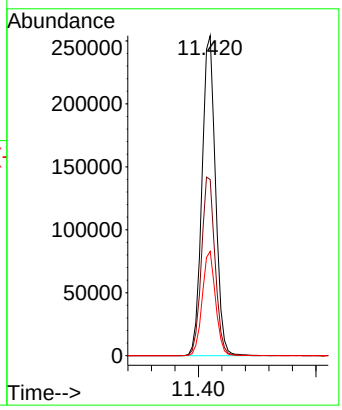


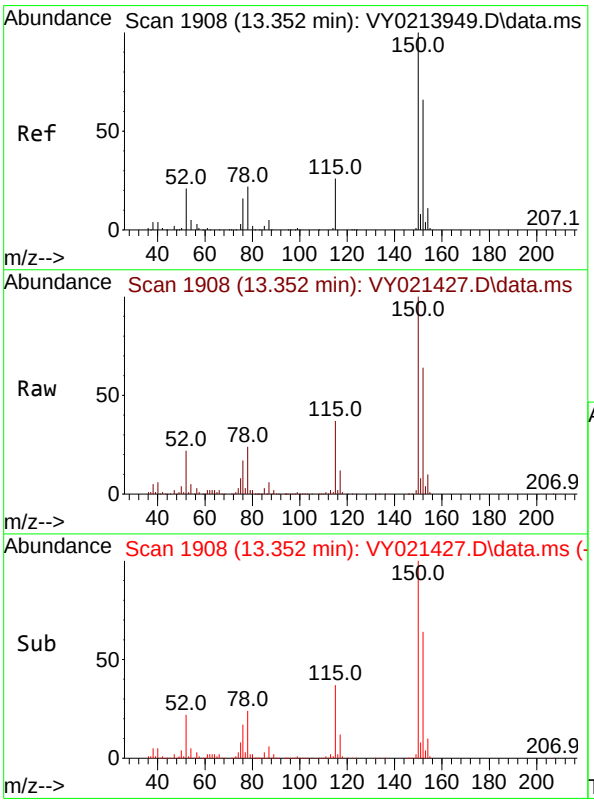
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Tgt Ion:117 Resp: 405928

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	32.6	25.4	38.0

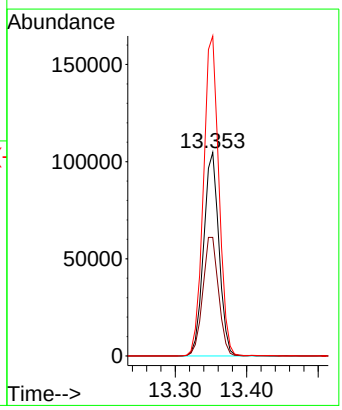




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion:152 Resp: 156000

Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.0	87.0
150	158.2	0.0	347.2



Sample Results: **VY021427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: VY021427.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.495	117	127	132	rBV5	5042	16150	1.07%	0.213%
2	4.616	465	475	485	rBV4	5719	17642	1.17%	0.233%
3	7.634	960	970	976	rBV2	214988	528018	34.88%	6.966%
4	7.707	976	982	996	rVB	334308	771072	50.93%	10.172%
5	8.061	1027	1040	1051	rBV	193021	432772	28.59%	5.709%
6	8.616	1122	1131	1144	rBV	557966	1109058	73.26%	14.631%
7	10.109	1367	1376	1386	rBV	905768	1513956	100.00%	19.973%
8	11.420	1581	1591	1605	rBV	795449	1300163	85.88%	17.152%
9	12.408	1746	1753	1762	rBV	571400	896843	59.24%	11.831%
10	13.346	1900	1907	1915	rBV	642349	994480	65.69%	13.120%

Sum of corrected areas: 7580154

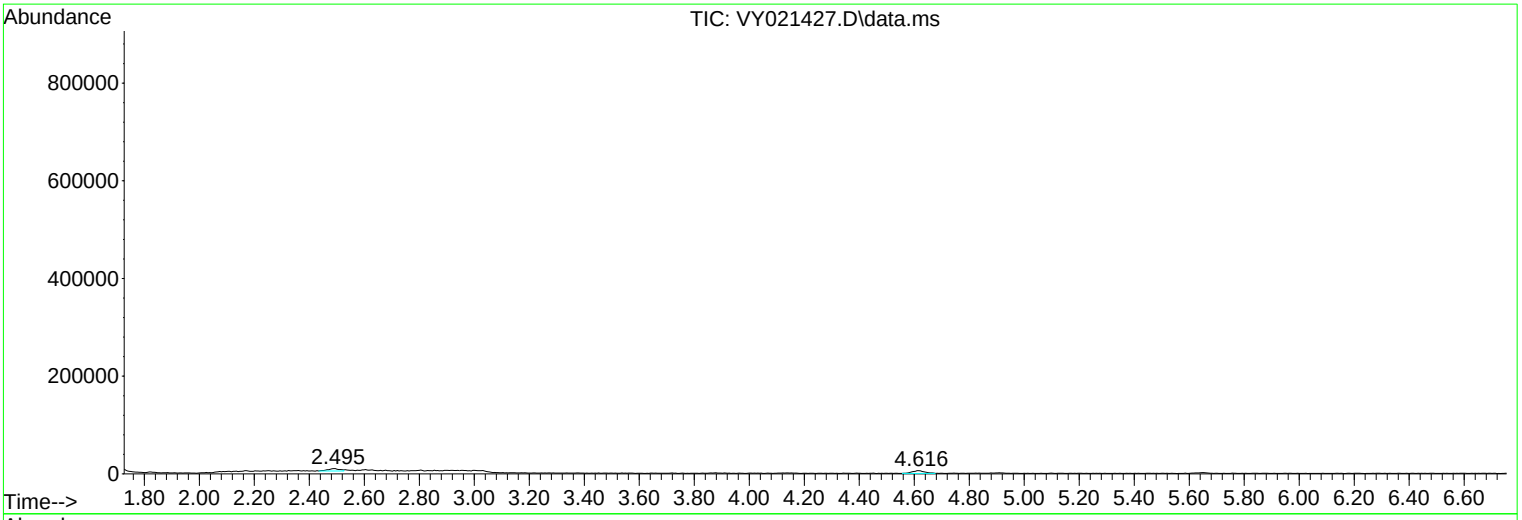
Sample Results: **VY021427.D**

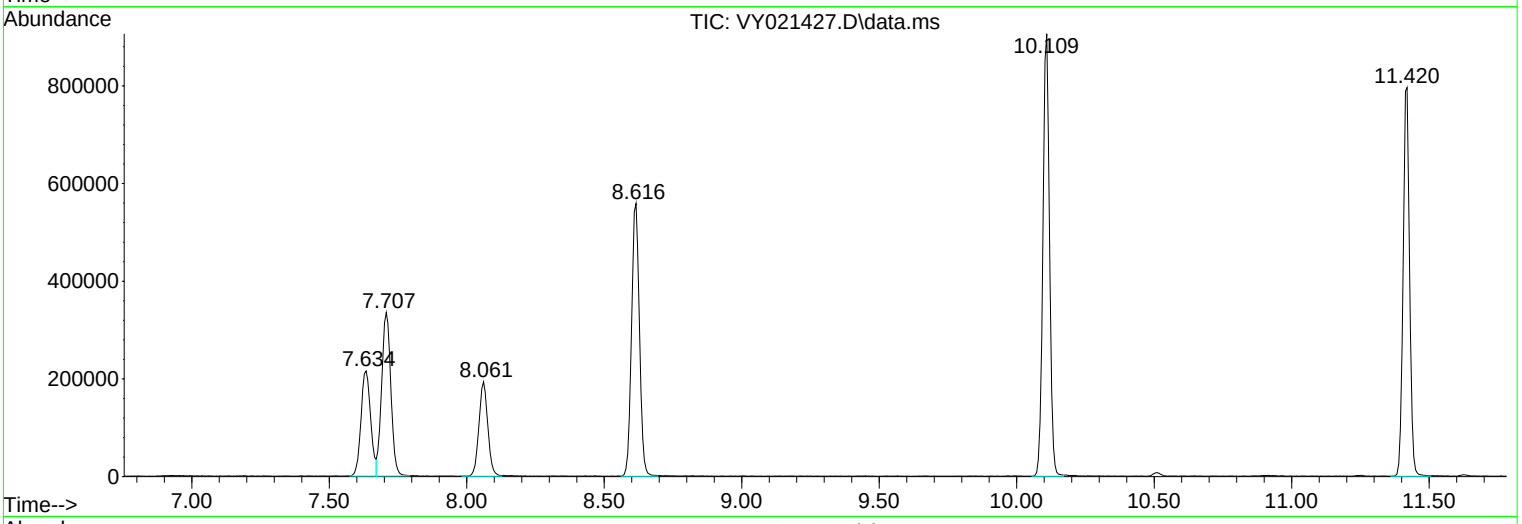
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

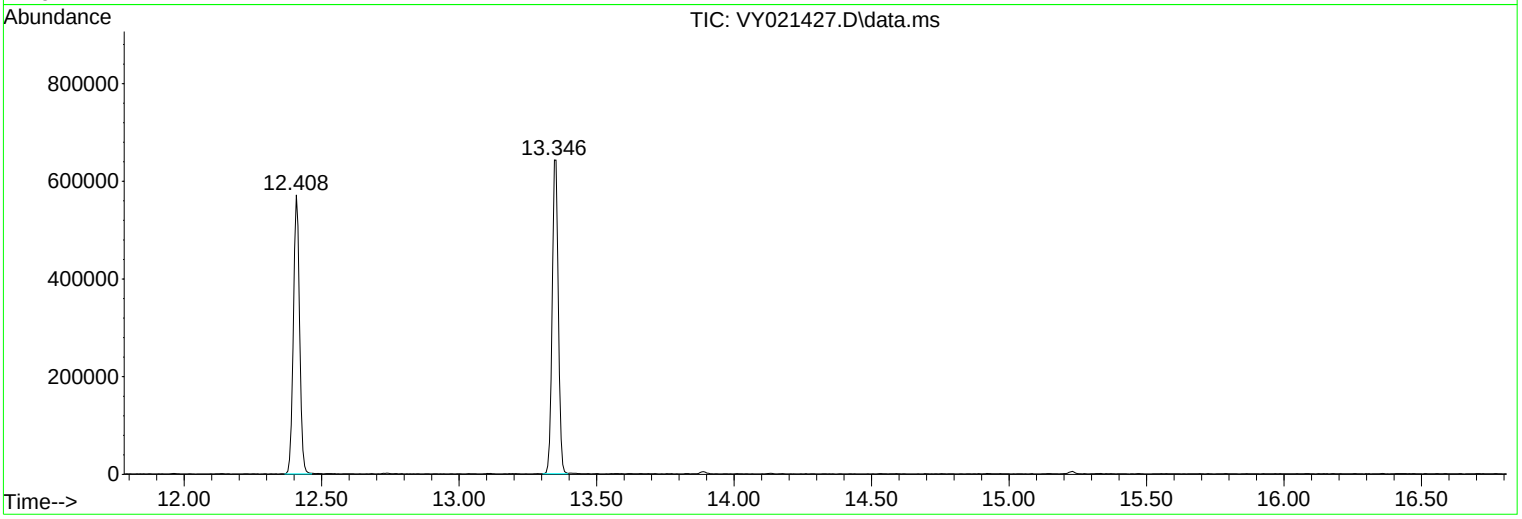
Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

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

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







Library Search Compound Report

Sample Results: **VY021427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

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

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

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

Raw Data: **VY021452.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0307SBL01	SDG No.:	Q1488
Lab Sample ID:	VY0307SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021452.D	1		03/07/25 10:35	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

Raw Data: **VY021452.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0307SBL01	SDG No.:	Q1488
Lab Sample ID:	VY0307SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021452.D	1		03/07/25 10:35	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		70 (63) - 130 (155)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	48.5		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.1		70 (38) - 130 (136)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	7.707			
540-36-3	1,4-Difluorobenzene	456000	8.616			
3114-55-4	Chlorobenzene-d5	387000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.352			

Raw Data: **VY021452.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0307SBL01	SDG No.:	Q1488
Lab Sample ID:	VY0307SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021452.D	1		03/07/25 10:35	VY030725

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\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Quant Time: Mar 07 21:59:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

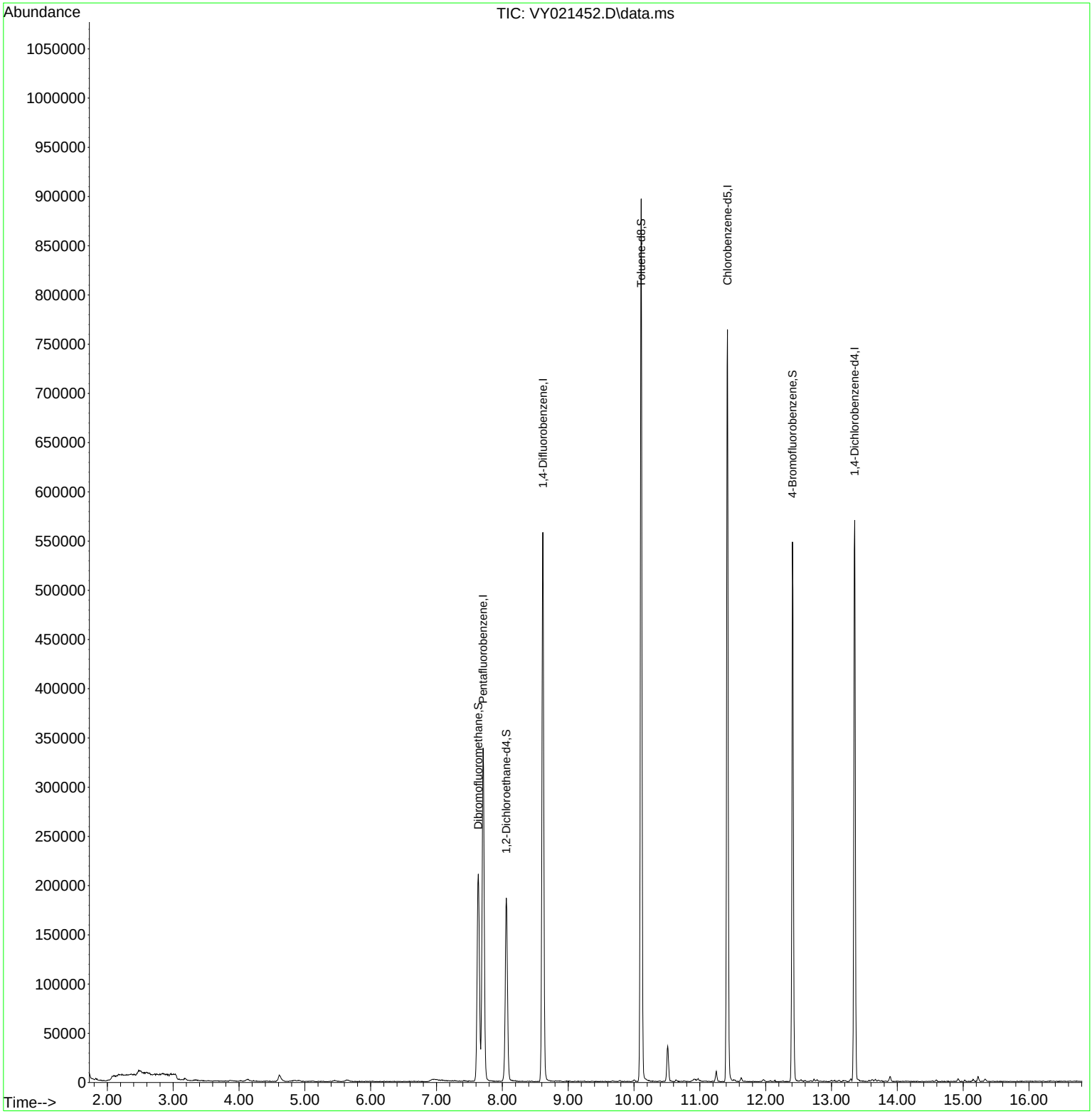
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	247432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	386511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	140975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144872	55.396	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.800%			
35) Dibromofluoromethane	7.634	113	150461	50.204	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.400%			
50) Toluene-d8	10.109	98	550853	48.544	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.080%			
62) 4-Bromofluorobenzene	12.408	95	154713	40.081	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.160%			
Target Compounds						Qvalue

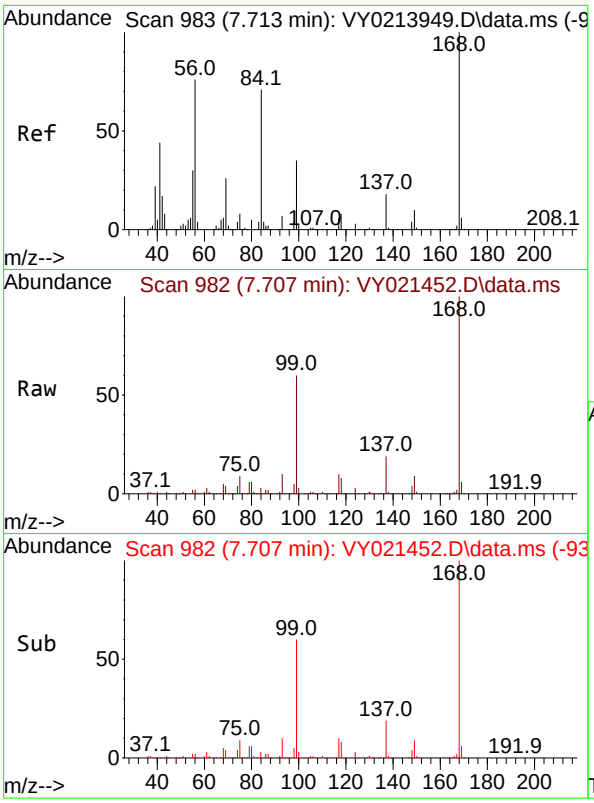
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Quant Time: Mar 07 21:59:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



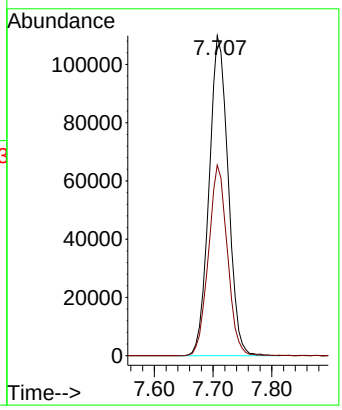


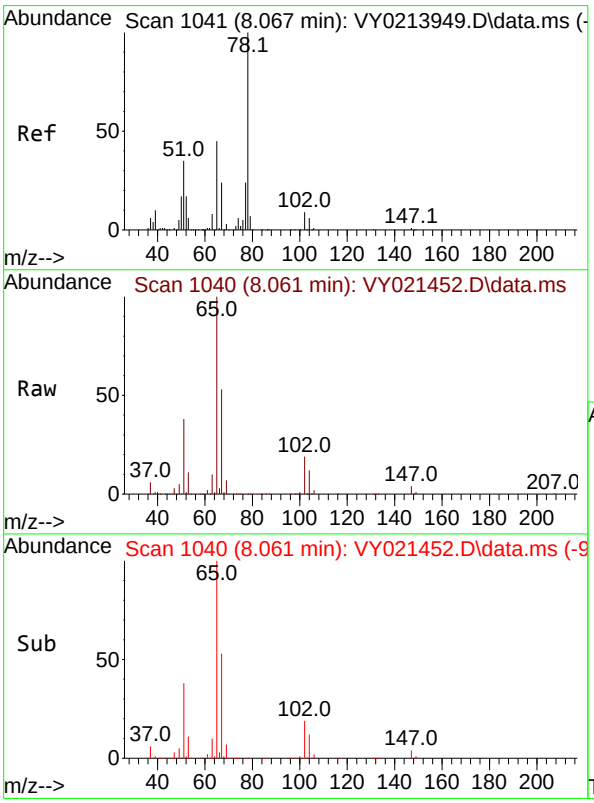
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Tgt Ion:168 Resp: 247432

Ion	Ratio	Lower	Upper
168	100		
99	59.5	46.0	69.0

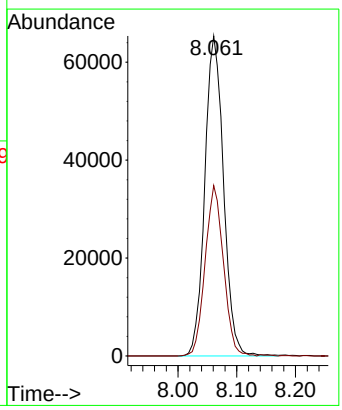


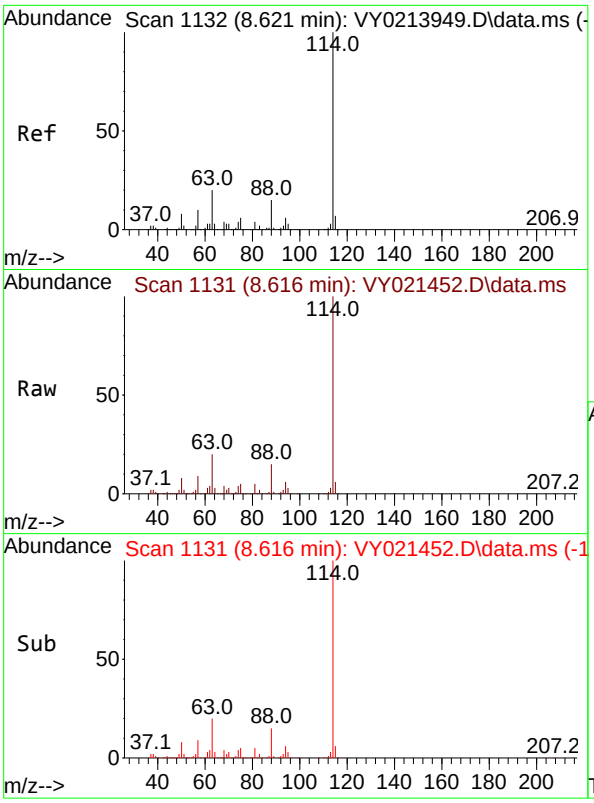


#33
1,2-Dichloroethane-d4
Concen: 55.396 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Tgt Ion: 65 Resp: 144872

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.8



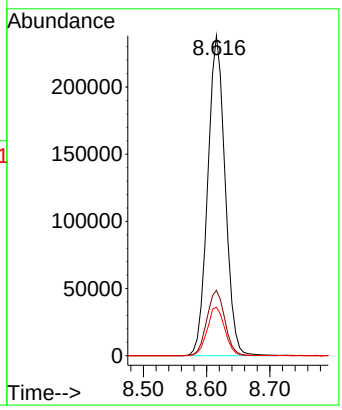


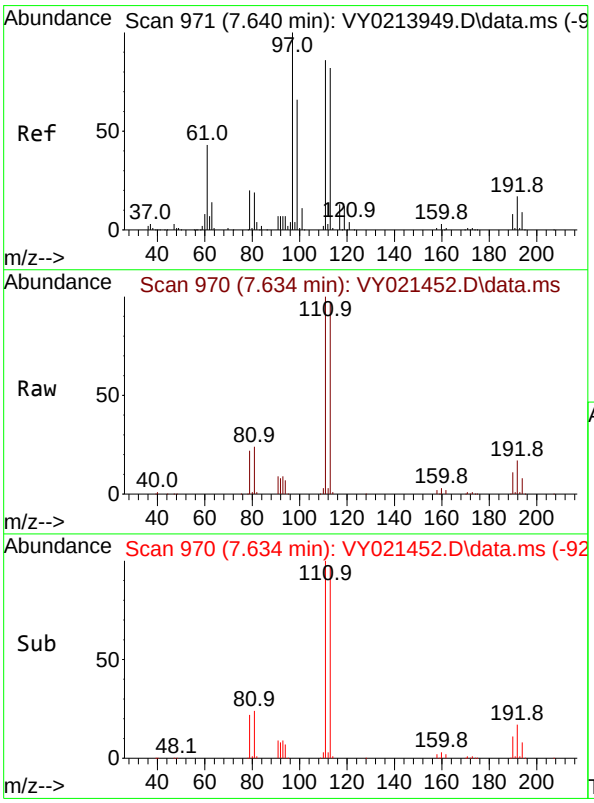
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Tgt Ion:114 Resp: 455944

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.1	0.0	30.8

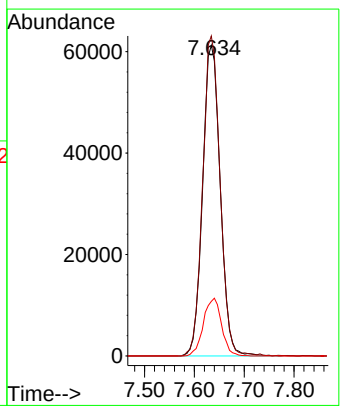


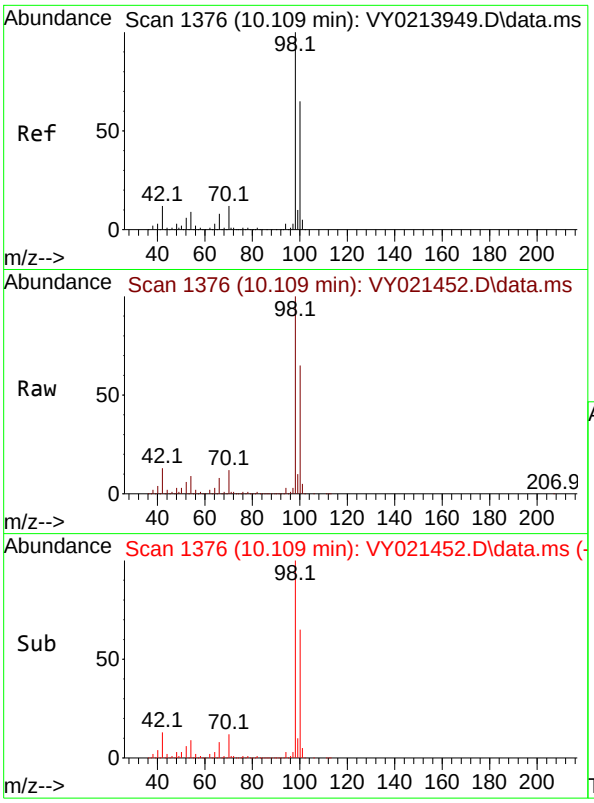


#35
Dibromofluoromethane
Concen: 50.204 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Tgt Ion:113 Resp: 150461

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.0	123.0
192	19.1	15.9	23.9



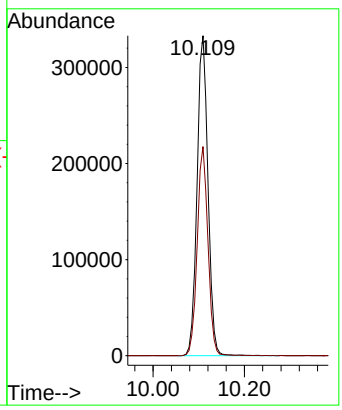


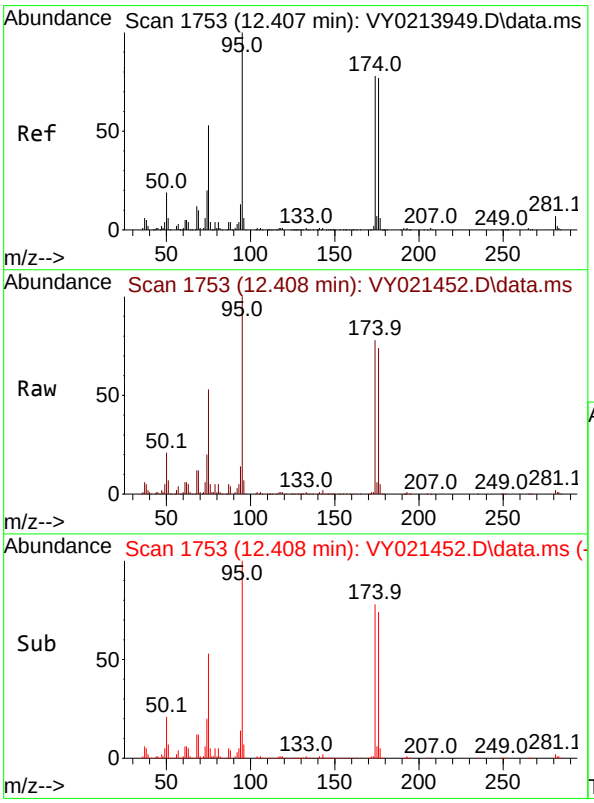
#50
Toluene-d8
Concen: 48.544 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Tgt Ion: 98 Resp: 550853

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1

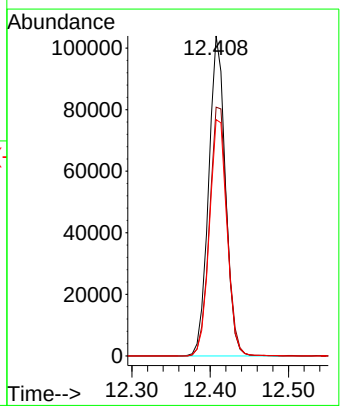


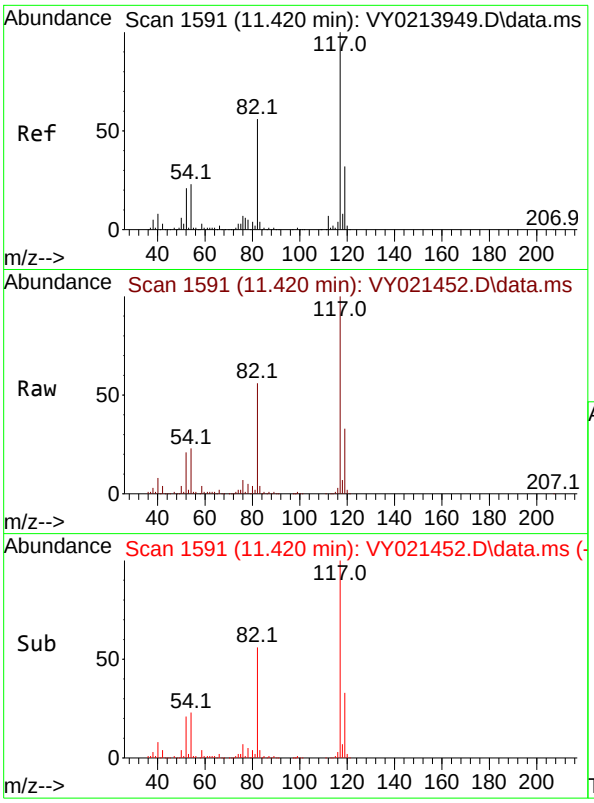


#62
4-Bromofluorobenzene
Concen: 40.081 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Tgt Ion: 95 Resp: 154713

Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	165.0
176	77.4	0.0	160.0



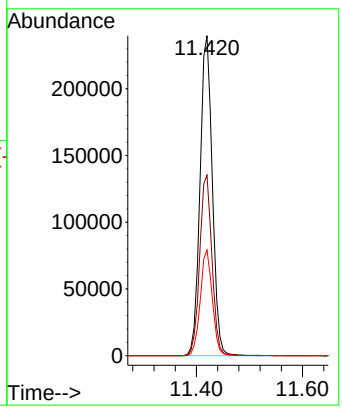


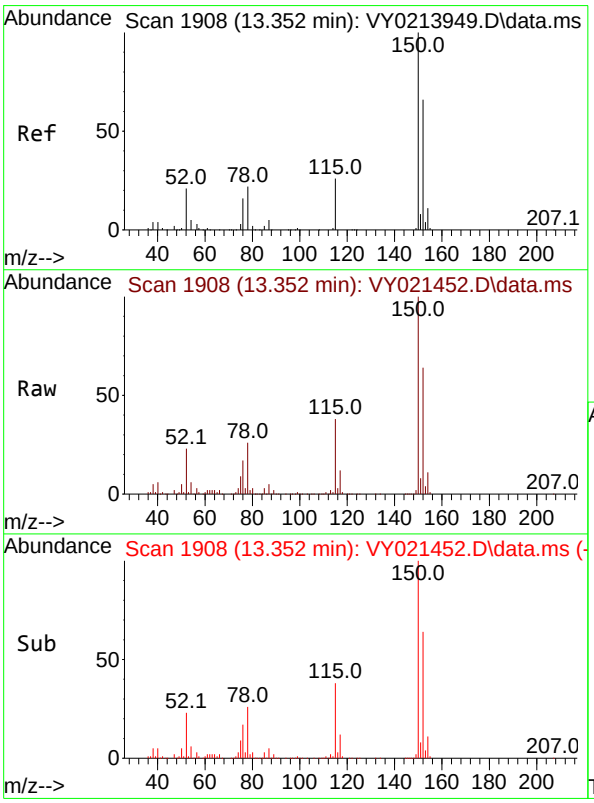
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Tgt Ion:117 Resp: 386511

Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.6	67.0
119	33.0	25.4	38.0

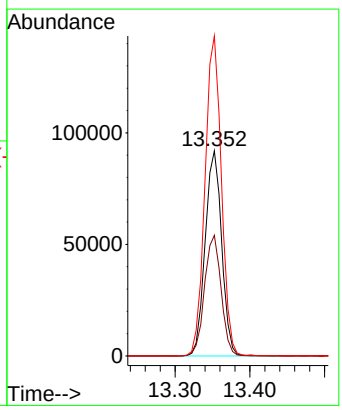




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Tgt Ion:152 Resp: 140975

Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.0	87.0
150	155.2	0.0	347.2



Sample Results: **VY021452.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: VY021452.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	465	474	489	rBV5	6713	21614	1.45%	0.292%
2	7.634	959	970	976	rBV2	210541	513351	34.43%	6.943%
3	7.707	976	982	999	rVB	338300	768555	51.55%	10.395%
4	8.061	1029	1040	1052	rBV	185995	434924	29.17%	5.883%
5	8.616	1122	1131	1147	rBV	557975	1093393	73.33%	14.789%
6	10.109	1368	1376	1394	rBV	896710	1490983	100.00%	20.166%
7	10.512	1435	1442	1448	rBV2	35644	66019	4.43%	0.893%
8	11.249	1558	1563	1568	rBV3	10282	15899	1.07%	0.215%
9	11.420	1583	1591	1604	rBV	763696	1240793	83.22%	16.782%
10	12.408	1746	1753	1763	rBV	548094	859551	57.65%	11.626%
11	13.352	1901	1908	1915	rBV	569422	888398	59.58%	12.016%

Sum of corrected areas: 7393480

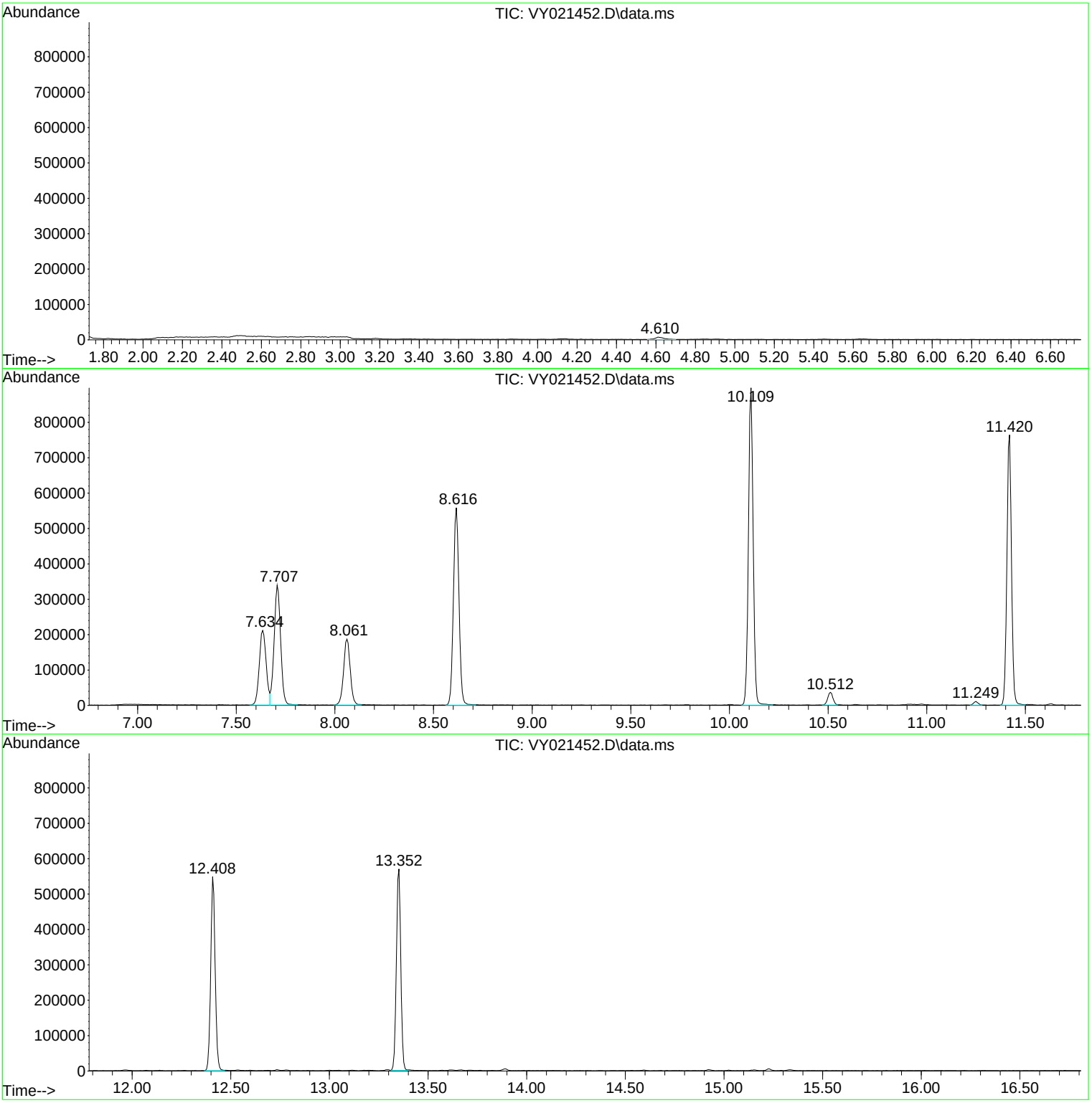
Sample Results: **VY021452.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

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

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



Library Search Compound Report

Sample Results: **VY021452.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

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

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

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

Raw Data: **VX045130.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0305WBS01	SDG No.:	Q1488
Lab Sample ID:	VX0305WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045130.D	1		03/05/25 10:26	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.21	1.00	ug/L
74-87-3	Chloromethane	17.2		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.34	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	5.00	ug/L
75-00-3	Chloroethane	15.5		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.1		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	1.00	ug/L
67-64-1	Acetone	83.6		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.0		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.4		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.2		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.5		1.60	5.00	ug/L
78-93-3	2-Butanone	88.4		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.7		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.1		0.18	1.00	ug/L
67-66-3	Chloroform	17.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.8		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.1		0.19	1.00	ug/L
71-43-2	Benzene	18.2		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.8		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.5		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	17.8		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	89.5		0.75	5.00	ug/L
108-88-3	Toluene	18.4		0.18	1.00	ug/L

Raw Data: **VX045130.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0305WBS01	SDG No.:	Q1488
Lab Sample ID:	VX0305WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045130.D	1		03/05/25 10:26	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.8		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.3		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	89.1		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	17.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.9		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.5		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	38.3		0.31	2.00	ug/L
95-47-6	o-Xylene	18.5		0.14	1.00	ug/L
100-42-5	Styrene	18.4		0.16	1.00	ug/L
75-25-2	Bromoform	17.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.5		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.5		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.4		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.2		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.2		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.8		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.7		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	98800	5.544			
540-36-3	1,4-Difluorobenzene	178000	6.757			
3114-55-4	Chlorobenzene-d5	153000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	68700	12.018			

Raw Data: **VX045130.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0305WBS01	SDG No.:	Q1488
Lab Sample ID:	VX0305WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045130.D	1		03/05/25 10:26	VX030525

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_X\Data\VX030525\
Data File : VX045130.D
Acq On : 05 Mar 2025 10:26
Operator : JC/MD
Sample : VX0305WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 01:00:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	98769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177910	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75979	48.361	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.720%			
35) Dibromofluoromethane	5.379	113	58696	49.339	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.680%			
50) Toluene-d8	8.647	98	215565	49.982	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.960%			
62) 4-Bromofluorobenzene	11.079	95	70764	49.515	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21481	17.278	ug/l	96
3) Chloromethane	1.307	50	26225	17.236	ug/l	99
4) Vinyl Chloride	1.374	62	25102	16.631	ug/l	94
5) Bromomethane	1.593	94	10069	16.970	ug/l	99
6) Chloroethane	1.660	64	10788	15.496	ug/l	100
7) Trichlorofluoromethane	1.867	101	36124	18.079	ug/l	97
8) Diethyl Ether	2.136	74	12688	16.235	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.312	101	21877	19.058	ug/l	98
10) Methyl Iodide	2.441	142	25051	17.462	ug/l	99
11) Tert butyl alcohol	2.995	59	20837	70.020	ug/l	97
12) 1,1-Dichloroethene	2.306	96	21299	17.549	ug/l	98
13) Acrolein	2.239	56	32376	94.116	ug/l	99
14) Allyl chloride	2.654	41	38481	17.812	ug/l	97
15) Acrylonitrile	3.068	53	69973	87.734	ug/l	100
16) Acetone	2.386	43	60954	83.622	ug/l	97
17) Carbon Disulfide	2.495	76	51693	15.991	ug/l	98
18) Methyl Acetate	2.709	43	32206	18.366	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	69964	17.182	ug/l	97
20) Methylene Chloride	2.782	84	24882	17.232	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	21772	18.158	ug/l	93
22) Diisopropyl ether	3.763	45	78201	17.799	ug/l	95
23) Vinyl Acetate	3.721	43	321815	87.770	ug/l	99
24) 1,1-Dichloroethane	3.605	63	43208	17.547	ug/l	98
25) 2-Butanone	4.562	43	97011	88.416	ug/l	95
26) 2,2-Dichloropropane	4.471	77	29281	25.352	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	26173	17.683	ug/l	97
28) Bromochloromethane	4.891	49	24801	21.131	ug/l	98
29) Tetrahydrofuran	5.007	42	63896	86.717	ug/l	100
30) Chloroform	5.086	83	43030	17.587	ug/l	99
31) Cyclohexane	5.458	56	39502	18.481	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	35212	17.819	ug/l	99
36) 1,1-Dichloropropene	5.684	75	28601	17.531	ug/l	98
37) Ethyl Acetate	4.721	43	35651	16.958	ug/l	99
38) Carbon Tetrachloride	5.672	117	29823	18.005	ug/l	94
39) Methylcyclohexane	7.379	83	37321	19.091	ug/l	97
40) Benzene	6.031	78	93693	18.186	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045130.D
Acq On : 05 Mar 2025 10:26
Operator : JC/MD
Sample : VX0305WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 01:00:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	19884	17.492	ug/l		99
42) 1,2-Dichloroethane	6.080	62	33034	17.806	ug/l		100
43) Isopropyl Acetate	6.342	43	53751	17.291	ug/l		99
44) Trichloroethene	7.123	130	21228	17.548	ug/l		98
45) 1,2-Dichloropropane	7.427	63	23229	17.537	ug/l		100
46) Dibromomethane	7.580	93	16830	17.976	ug/l		100
47) Bromodichloromethane	7.818	83	32751	17.834	ug/l		100
48) Methyl methacrylate	7.696	41	27005	17.316	ug/l		100
49) 1,4-Dioxane	7.671	88	11794	358.508	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	186745	89.468	ug/l		99
52) Toluene	8.714	92	55728	18.437	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	27299	17.782	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	32740	18.288	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	22188	17.831	ug/l		99
56) Ethyl methacrylate	9.116	69	31725	16.772	ug/l		97
57) 1,3-Dichloropropane	9.305	76	38444	17.852	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	91212	98.854	ug/l		99
59) 2-Hexanone	9.433	43	134690	89.062	ug/l		100
60) Dibromochloromethane	9.519	129	22271	17.117	ug/l		98
61) 1,2-Dibromoethane	9.610	107	22232	17.897	ug/l		98
64) Tetrachloroethene	9.269	164	18169	18.522	ug/l		94
65) Chlorobenzene	10.079	112	60057	18.531	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	18881	17.494	ug/l		98
67) Ethyl Benzene	10.195	91	104623	18.527	ug/l		98
68) m/p-Xylenes	10.299	106	79227	38.326	ug/l		98
69) o-Xylene	10.640	106	38603	18.515	ug/l		98
70) Styrene	10.652	104	62119	18.414	ug/l		100
71) Bromoform	10.799	173	14223	17.476	ug/l	#	99
73) Isopropylbenzene	10.963	105	99357	18.537	ug/l		99
74) N-amyl acetate	10.841	43	43022	17.106	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	34410	17.495	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	31073m	19.442	ug/l		
77) Bromobenzene	11.201	156	22526	17.813	ug/l		98
78) n-propylbenzene	11.305	91	111961	18.492	ug/l		99
79) 2-Chlorotoluene	11.366	91	67983	17.631	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	81071	18.707	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	7585	16.241	ug/l		87
82) 4-Chlorotoluene	11.451	91	75650	18.001	ug/l		99
83) tert-Butylbenzene	11.713	119	80170	18.004	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	80507	18.462	ug/l		98
85) sec-Butylbenzene	11.890	105	100051	18.757	ug/l		100
86) p-Isopropyltoluene	12.006	119	81717	18.957	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	41421	18.360	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	41624	18.237	ug/l		98
89) n-Butylbenzene	12.329	91	68722	18.510	ug/l		99
90) Hexachloroethane	12.536	117	13358	17.133	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	41178	18.196	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6446	16.822	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	23221	18.020	ug/l		100
94) Hexachlorobutadiene	13.725	225	9699	18.359	ug/l		98
95) Naphthalene	13.774	128	89255	18.028	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	25405	18.688	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045130.D
Acq On : 05 Mar 2025 10:26
Operator : JC/MD
Sample : VX0305WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 01:00:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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_X\Data\VX030525\
Data File : VX045130.D
Acq On : 05 Mar 2025 10:26
Operator : JC/MD
Sample : VX0305WBS01
Misc : 5.0mL/MSVOA_X/WATER
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Quant Time: Mar 06 01:00:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations APPROVED

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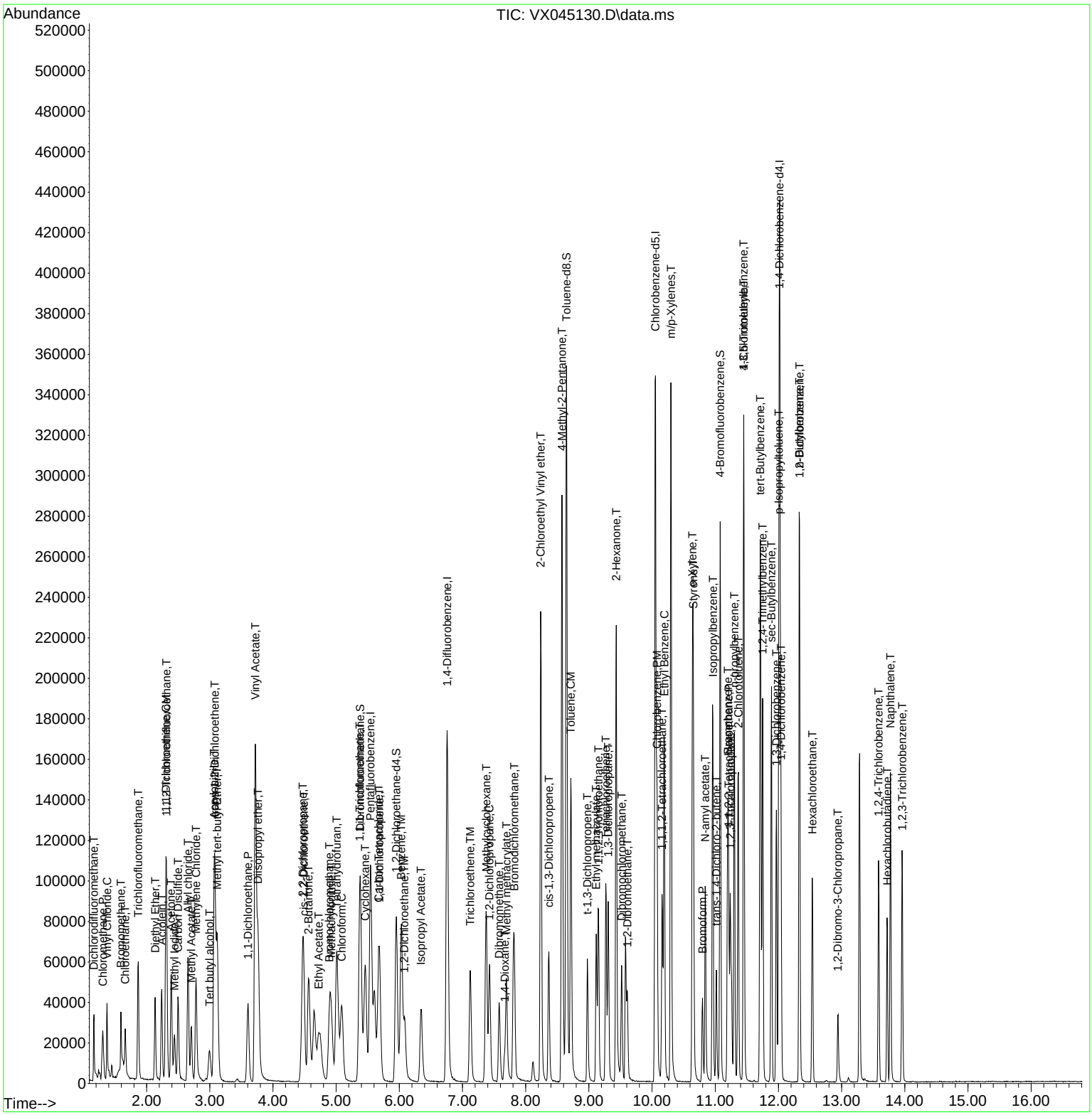
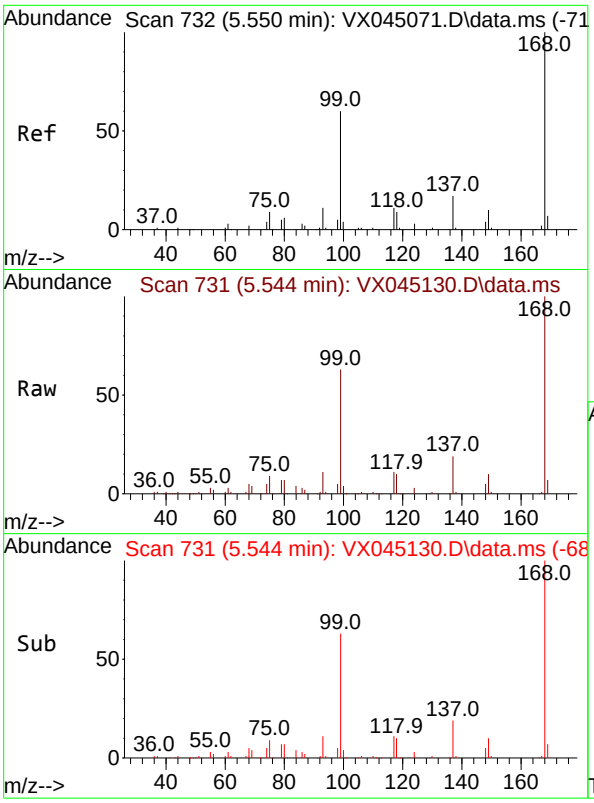
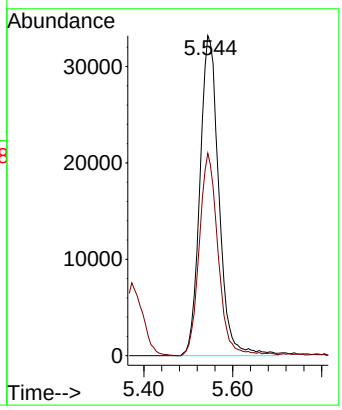




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:168 Resp: 9876

Ion	Ratio	Lower	Upper
168	100		
99	63.2	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
APPROVED

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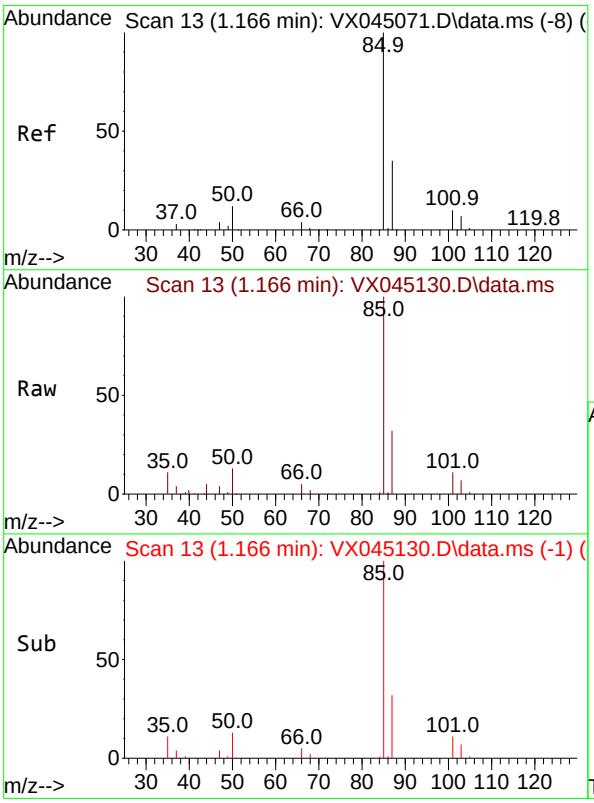
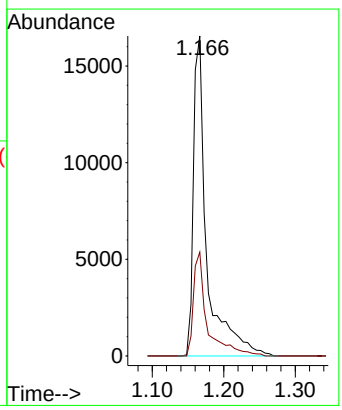
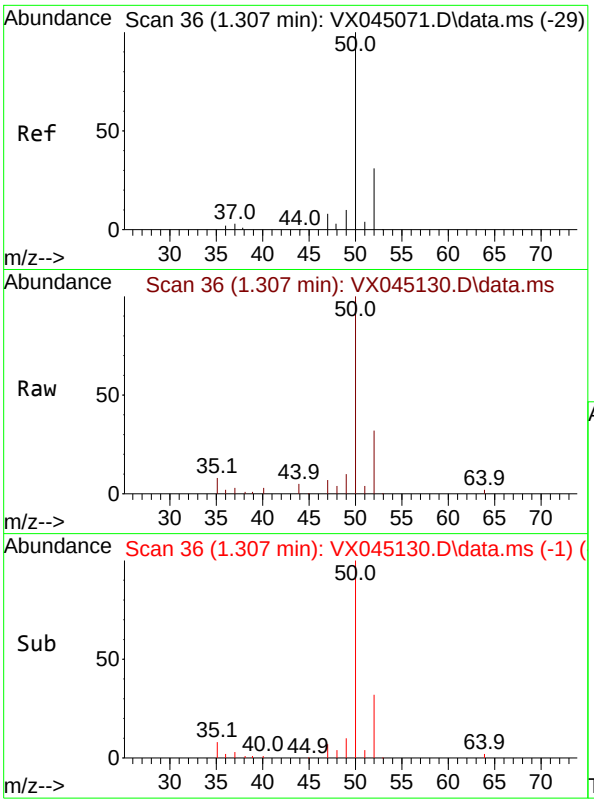


#2
Dichlorodifluoromethane
Concen: 17.278 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 85 Resp: 21481

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3





#3
Chloromethane
Concen: 17.236 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 50 Resp: 2622

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
APPROVED

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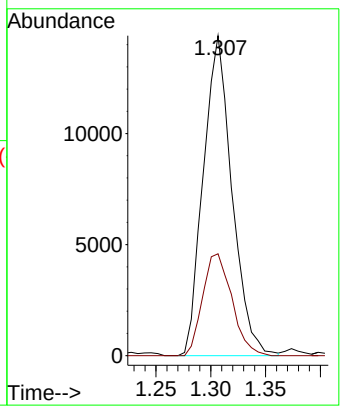
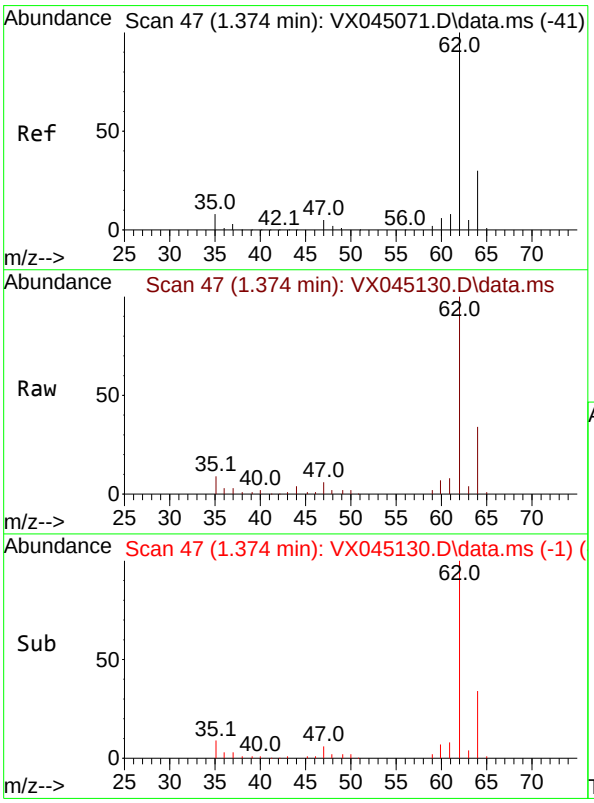
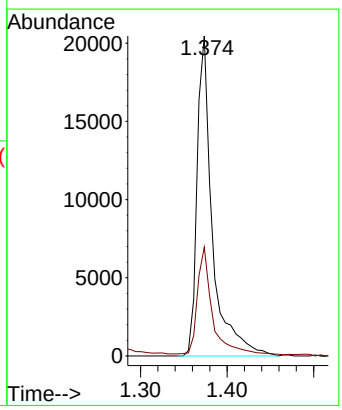


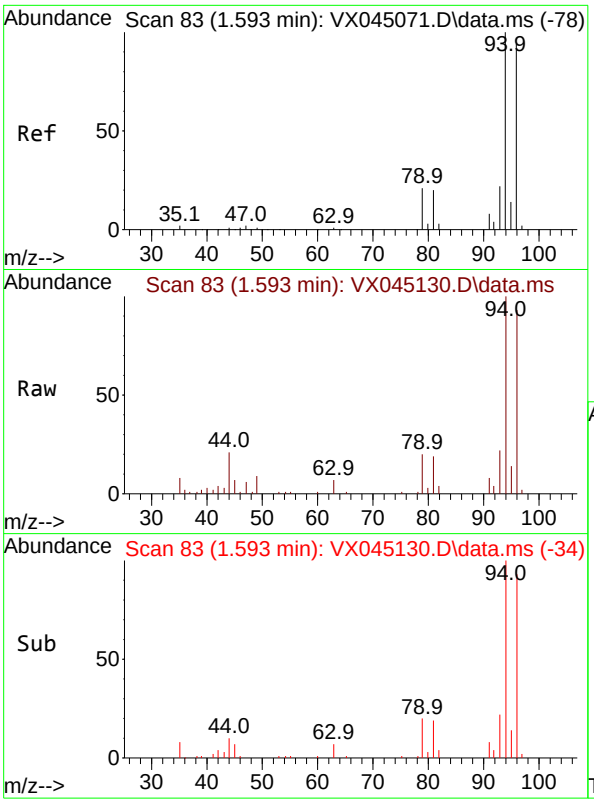


#4
Vinyl Chloride
Concen: 16.631 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 62 Resp: 25102

Ion	Ratio	Lower	Upper
62	100		
64	33.5	24.3	36.5

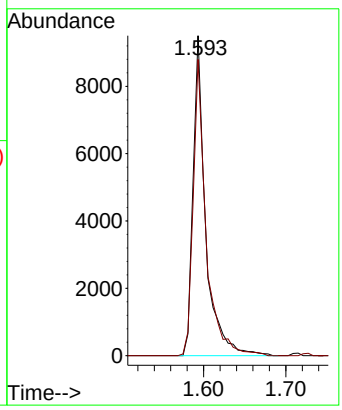




#5
Bromomethane
Concen: 16.970 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 94 Resp: 1006

Ion	Ratio	Lower	Upper
94	100		
96	92.6	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
APPROVED

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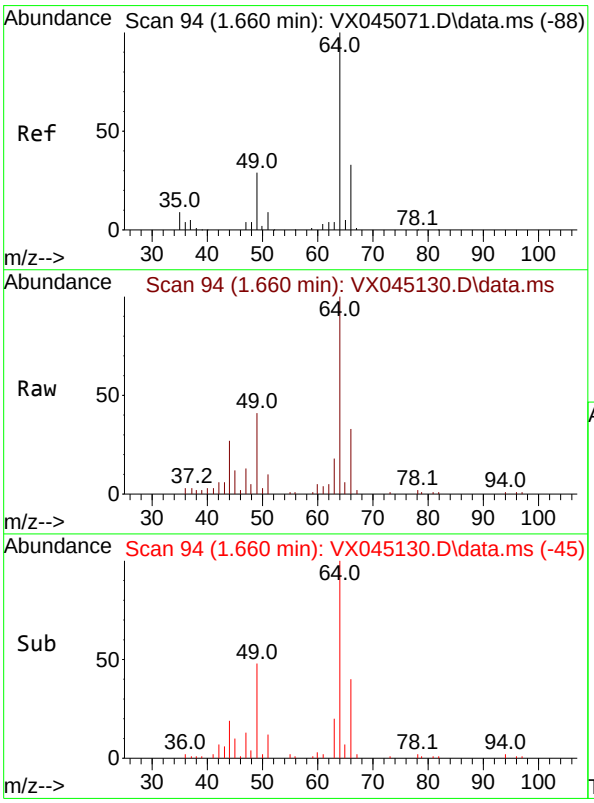
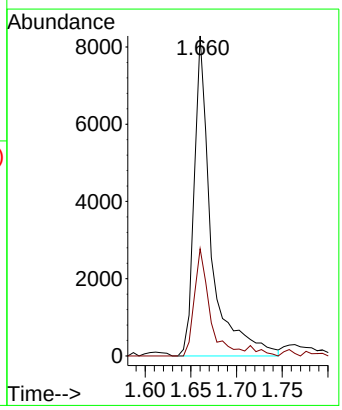
Supervised By :Mahesh Dadoda 03/06/2025

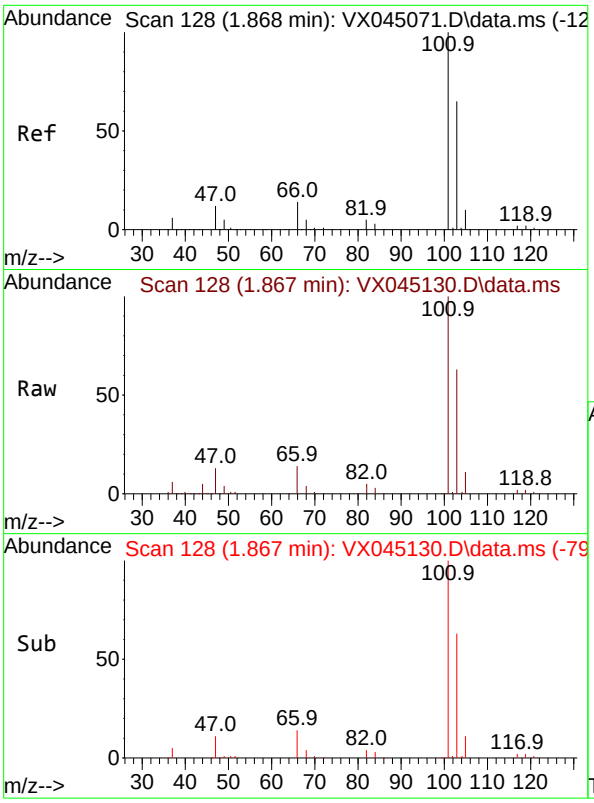


#6
Chloroethane
Concen: 15.496 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 64 Resp: 10788

Ion	Ratio	Lower	Upper
64	100		
66	33.5	26.7	40.1

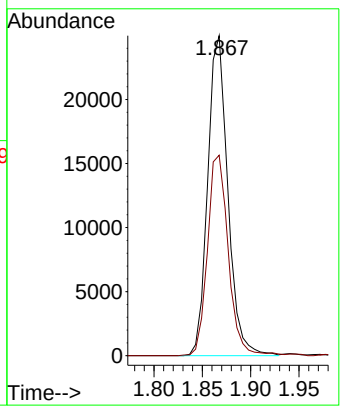




#7
Trichlorofluoromethane
Concen: 18.079 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:101 Resp: 3612

Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

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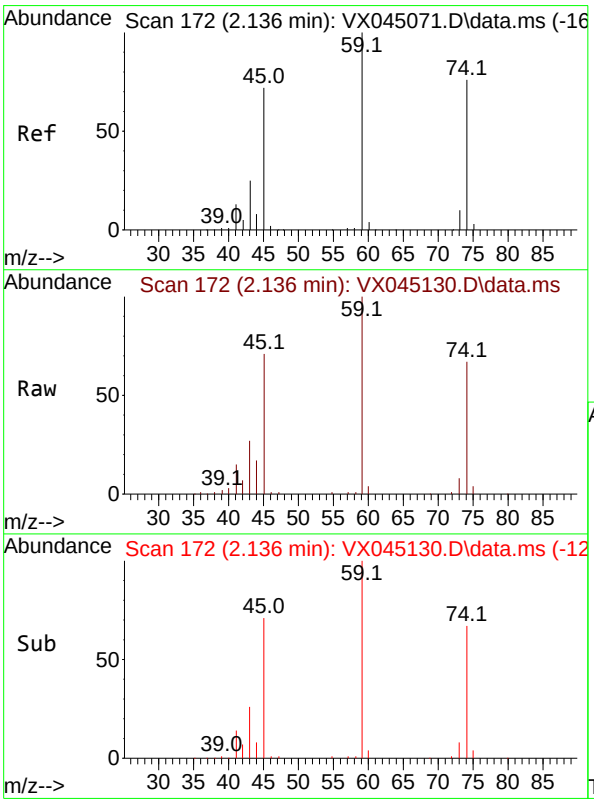
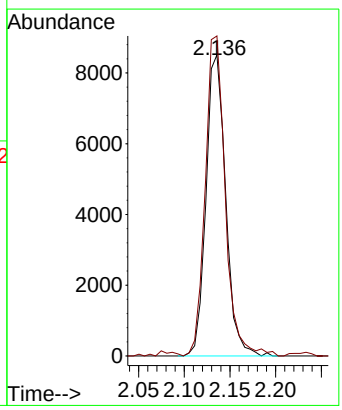
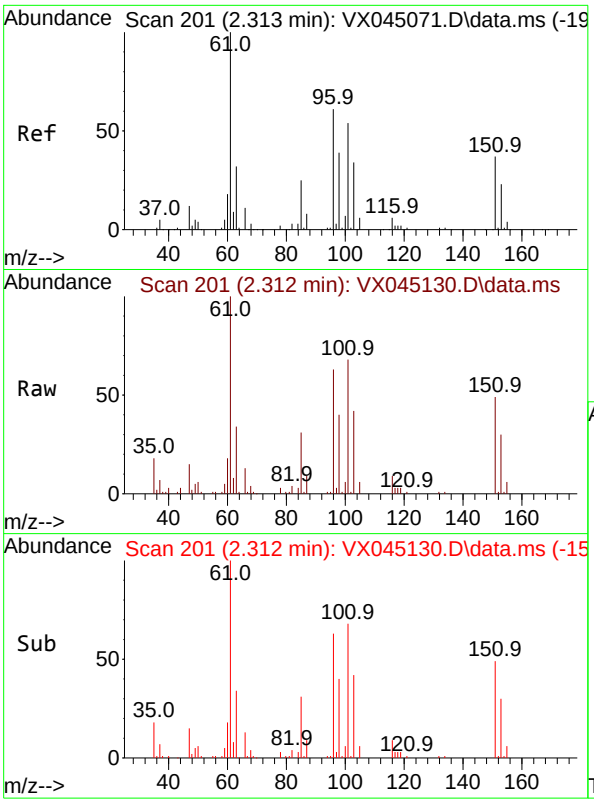


#8
Diethyl Ether
Concen: 16.235 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 74 Resp: 12688

Ion	Ratio	Lower	Upper
74	100		
45	108.3	51.5	154.5

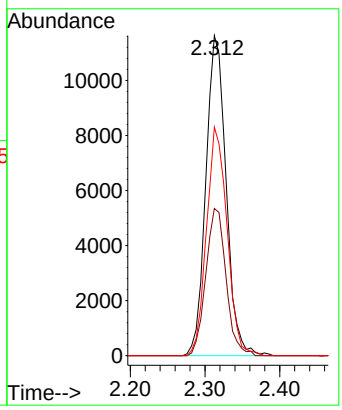




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.058 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:101 Resp: 2187

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	72.6	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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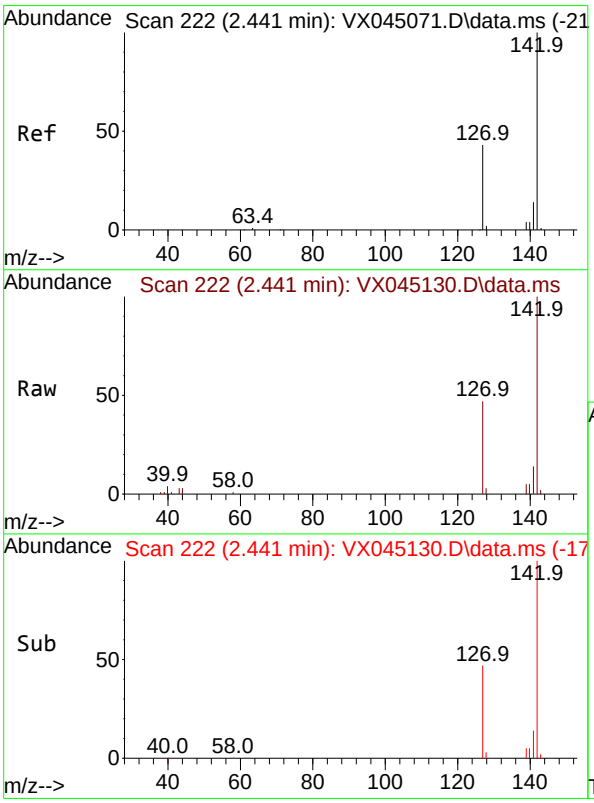
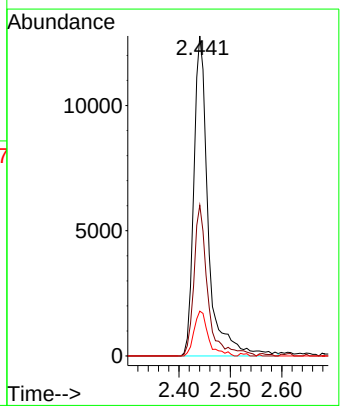
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

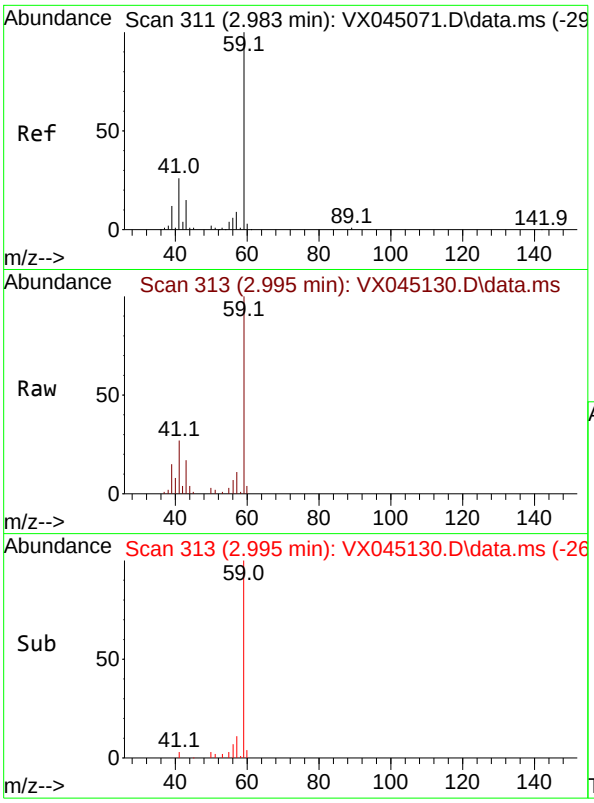


#10
Methyl Iodide
Concen: 17.462 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:142 Resp: 25051

Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.4	53.2
141	13.8	11.6	17.4





#11
Tert butyl alcohol
Concen: 70.020 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 59 Resp: 2083

Ion	Ratio	Lower	Upper
59	100		
57	11.0	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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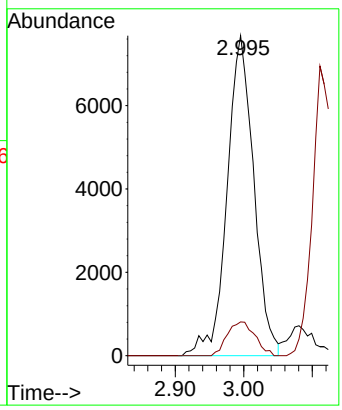
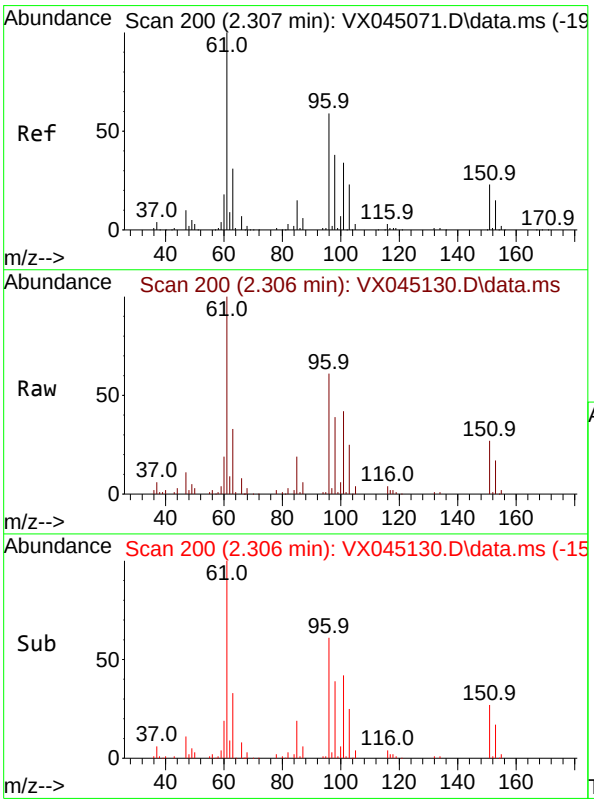
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

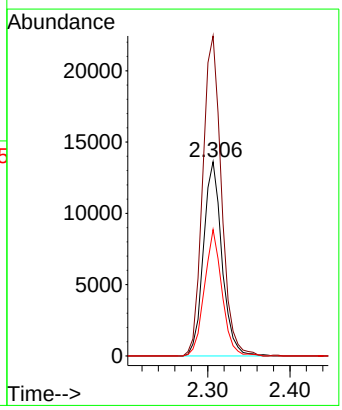


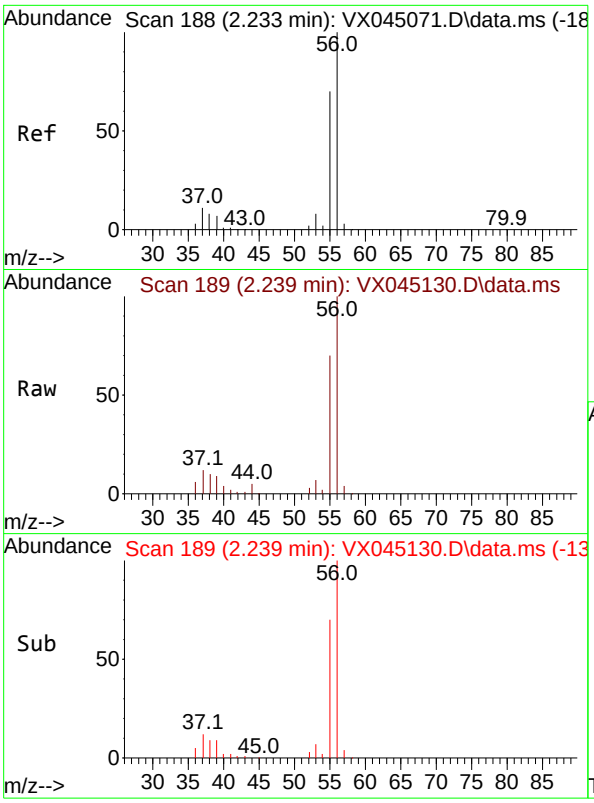


#12
1,1-Dichloroethene
Concen: 17.549 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 96 Resp: 21299

Ion	Ratio	Lower	Upper
96	100		
61	164.7	134.6	202.0
98	65.0	51.0	76.6





#13
Acrolein
Concen: 94.116 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 56 Resp: 3237

Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.2	84.4

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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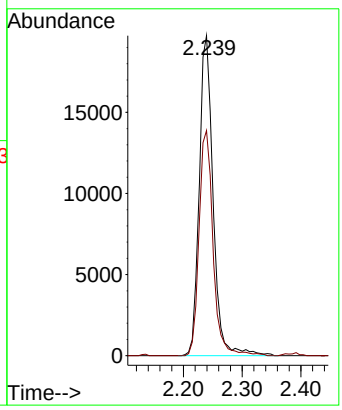
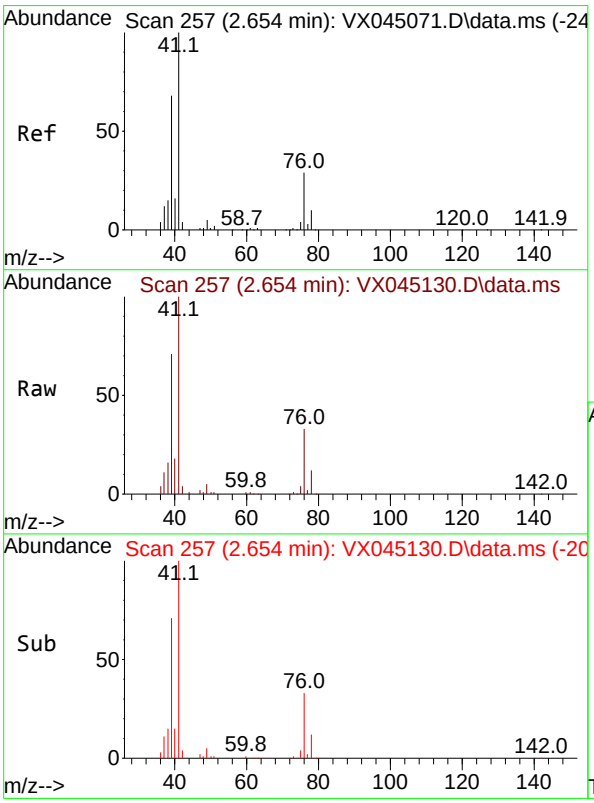
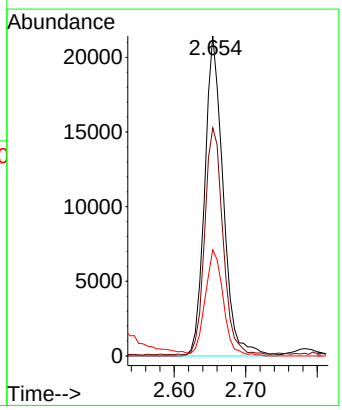


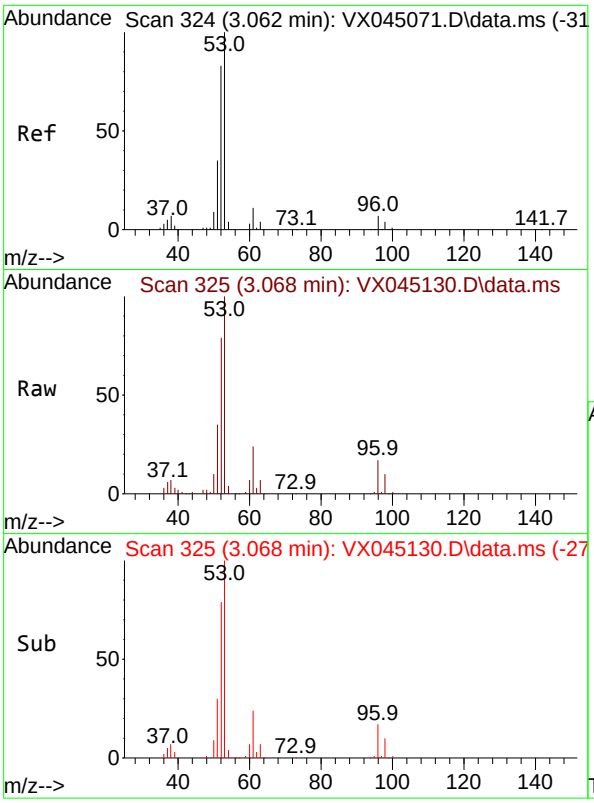


#14
Allyl chloride
Concen: 17.812 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 41 Resp: 38481

Ion	Ratio	Lower	Upper
41	100		
39	69.7	53.8	80.8
76	32.4	25.2	37.8

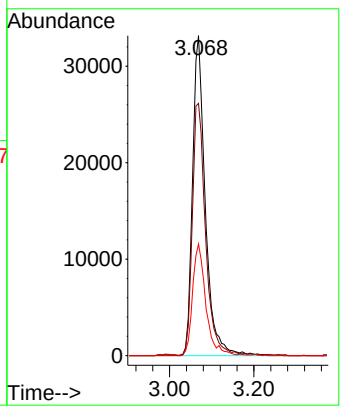




#15
Acrylonitrile
Concen: 87.734 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 53 Resp: 6997

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.2
51	36.2	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

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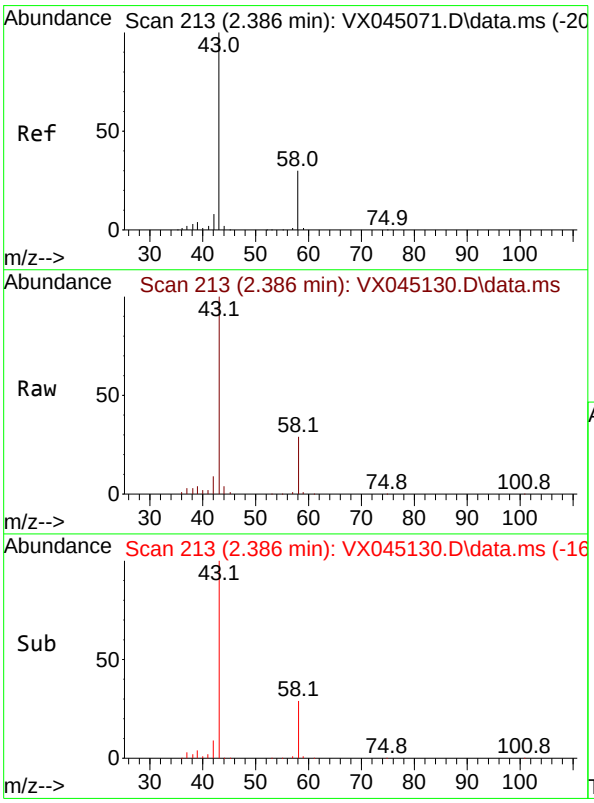
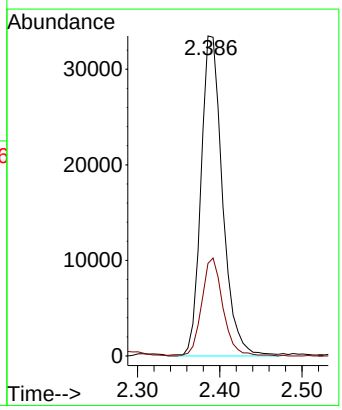
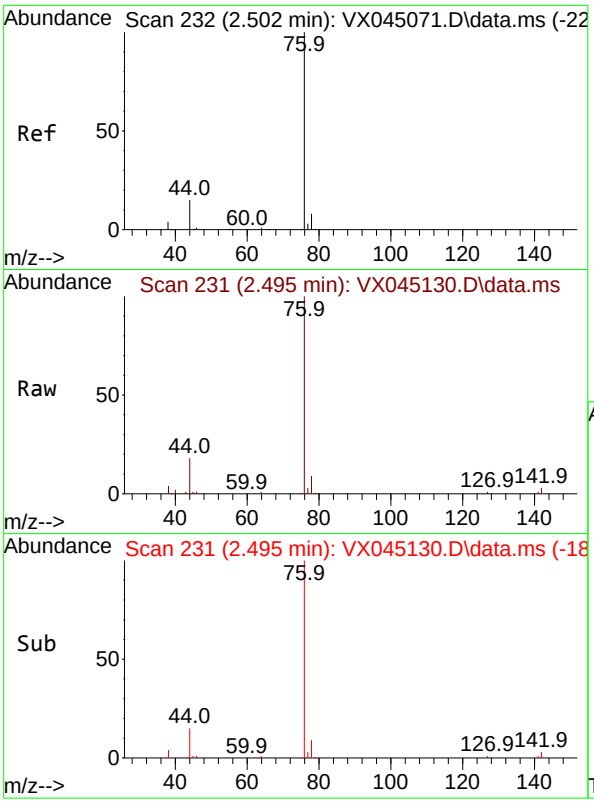


#16
Acetone
Concen: 83.622 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 43 Resp: 60954

Ion	Ratio	Lower	Upper
43	100		
58	28.9	24.2	36.4





#17
Carbon Disulfide
Concen: 15.991 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 76 Resp: 5169

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

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Reviewed By :John Carlone 03/06/2025
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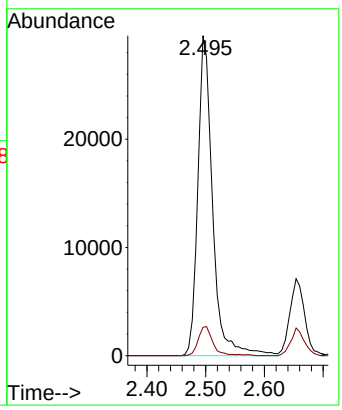
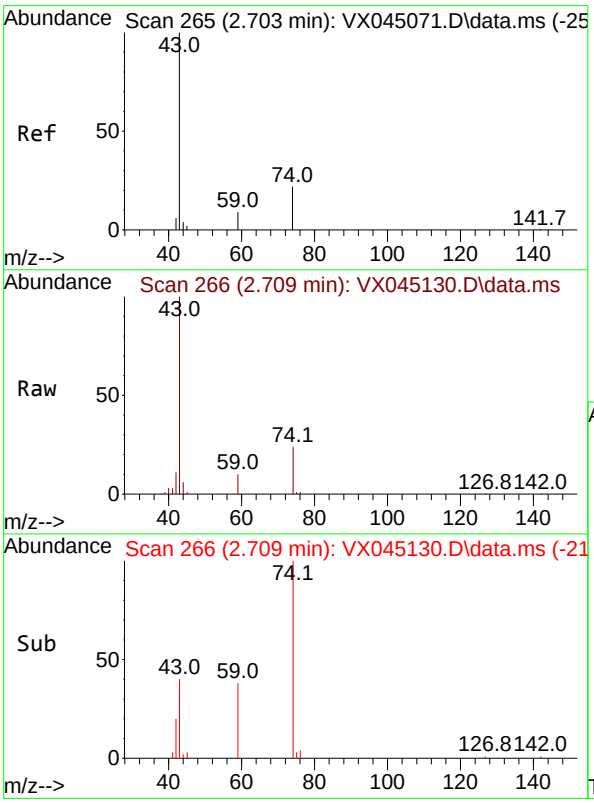
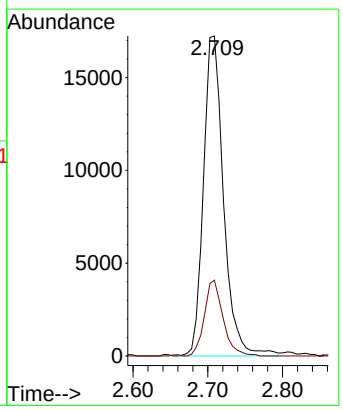


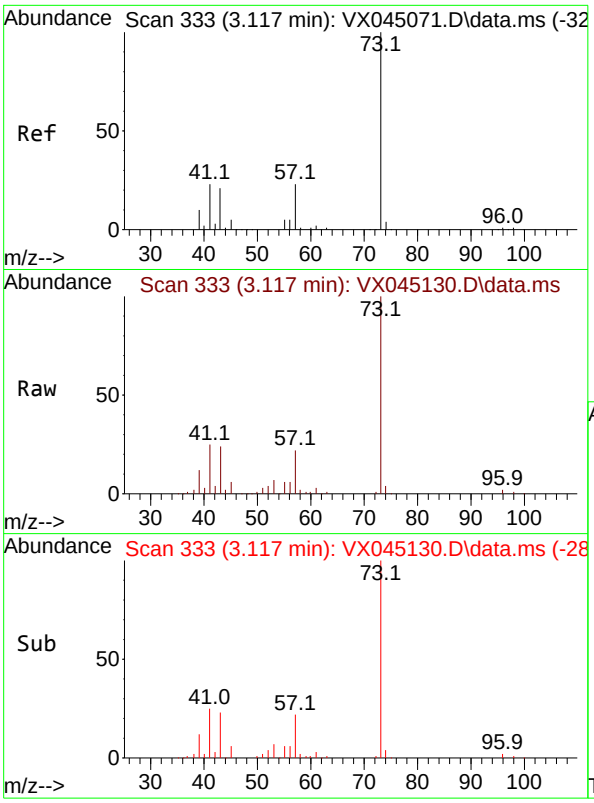


#18
Methyl Acetate
Concen: 18.366 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 43 Resp: 32206

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2

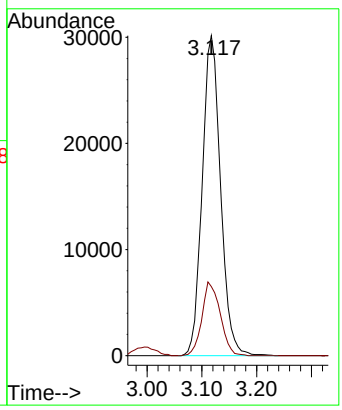




#19
Methyl tert-butyl Ether
Concen: 17.182 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 73 Resp: 6996

Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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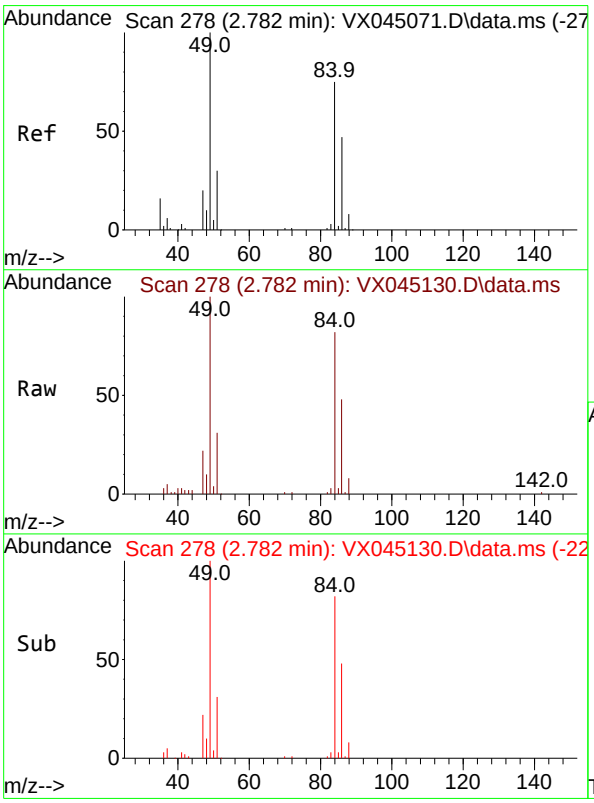
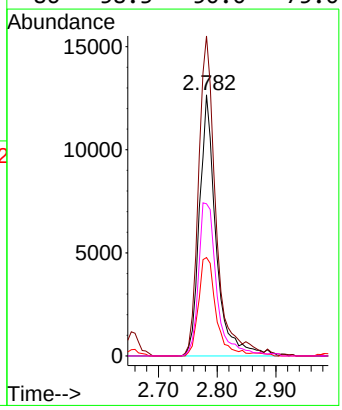
Supervised By :Mahesh Dadoda 03/06/2025

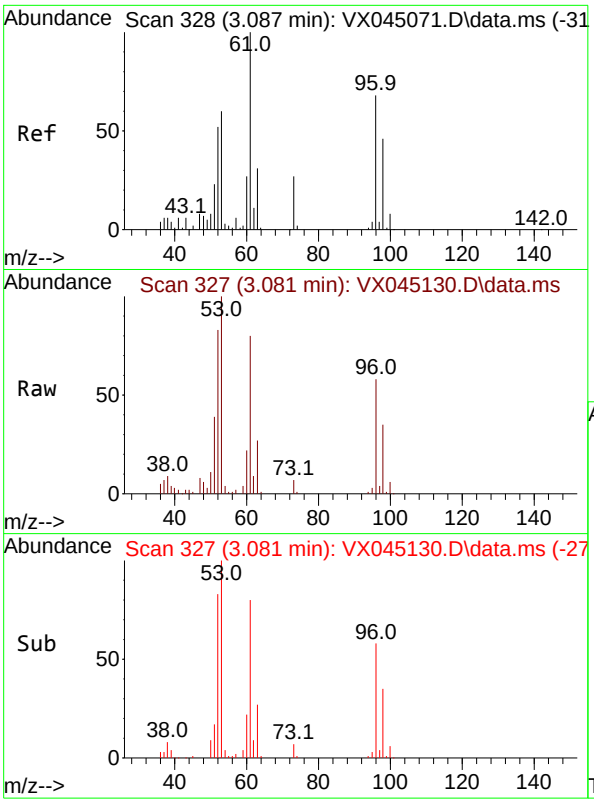


#20
Methylene Chloride
Concen: 17.232 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 84 Resp: 24882

Ion	Ratio	Lower	Upper
84	100		
49	122.6	106.5	159.7
51	37.7	32.1	48.1
86	58.3	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 18.158 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 96 Resp: 2177

Ion	Ratio	Lower	Upper
96	100		
61	137.9	117.0	175.4
98	60.5	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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Reviewed By :John Carlone 03/06/2025
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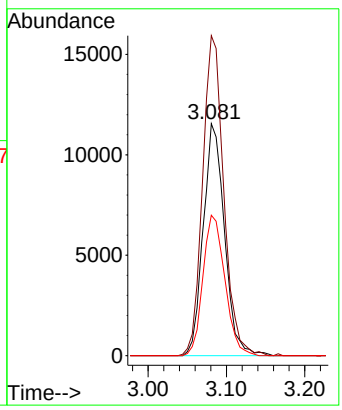
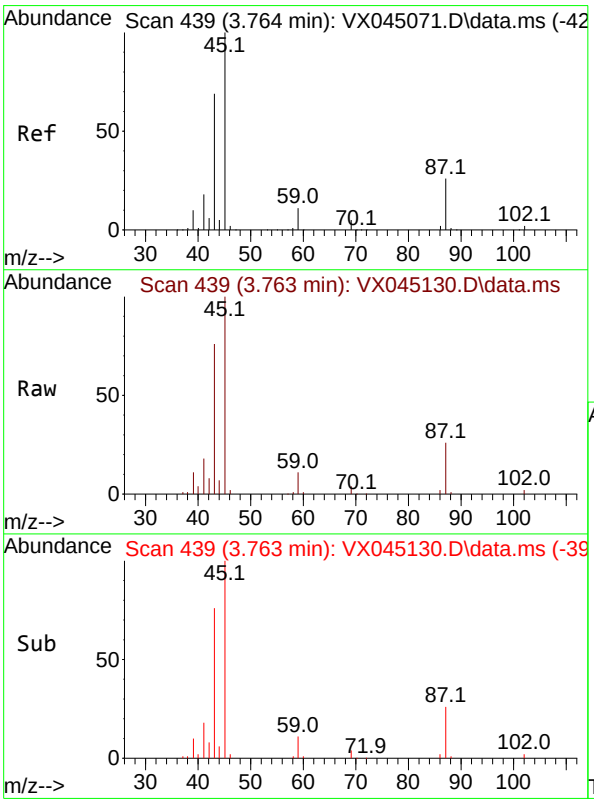
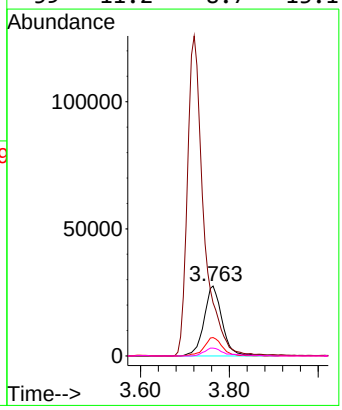


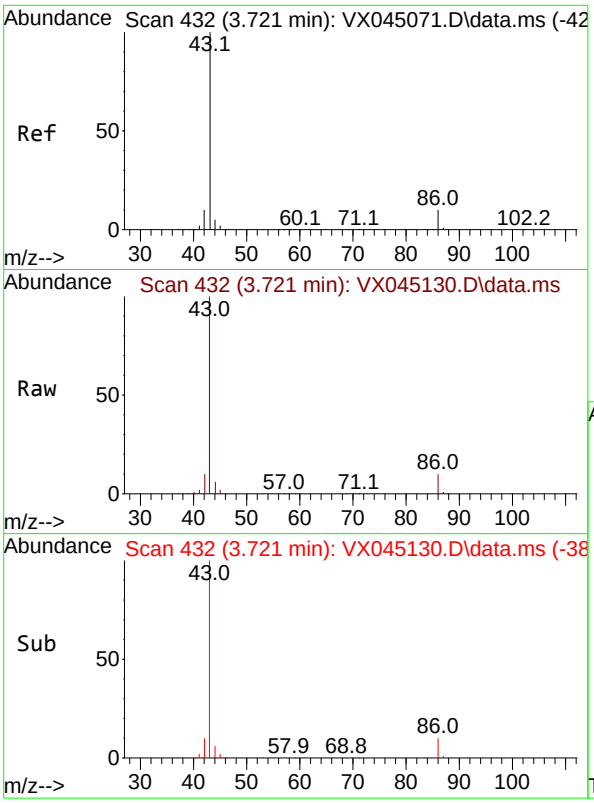


#22
Diisopropyl ether
Concen: 17.799 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 45 Resp: 78201

Ion	Ratio	Lower	Upper
45	100		
43	74.5	54.9	82.3
87	26.3	21.0	31.4
59	11.2	8.7	13.1





#23
Vinyl Acetate
Concen: 87.770 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 43 Resp: 32181

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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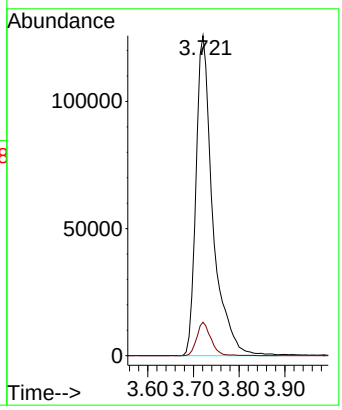
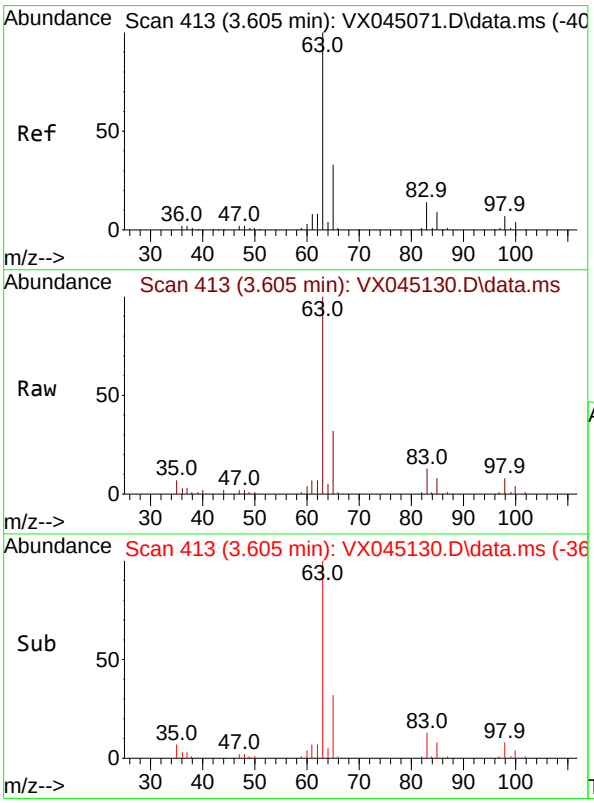
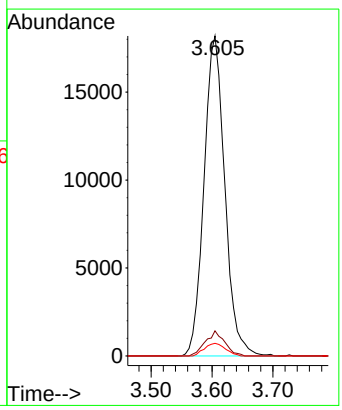


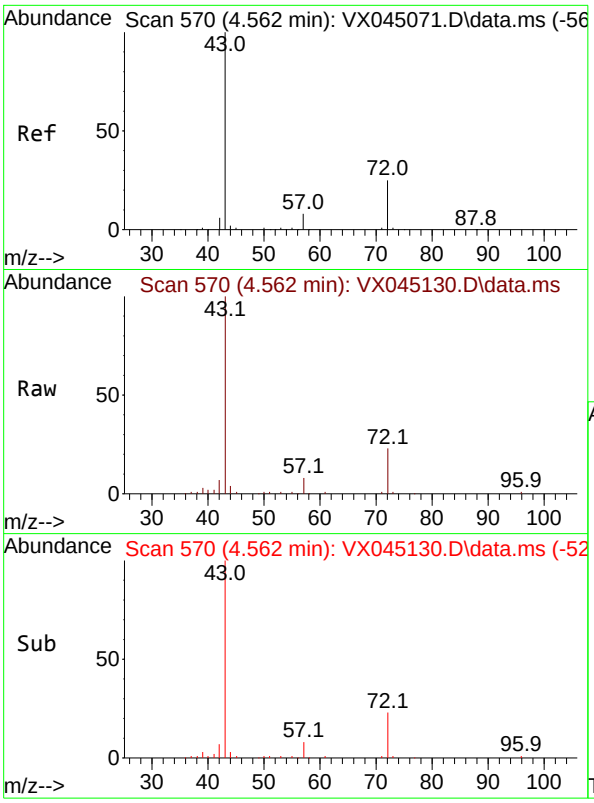


#24
1,1-Dichloroethane
Concen: 17.547 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 63 Resp: 43208

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.4	10.2
100	4.0	2.1	6.5





#25
2-Butanone
Concen: 88.416 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 43 Resp: 9701

Ion	Ratio	Lower	Upper
43	100		
72	22.6	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

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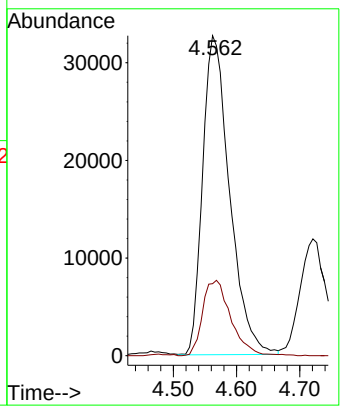
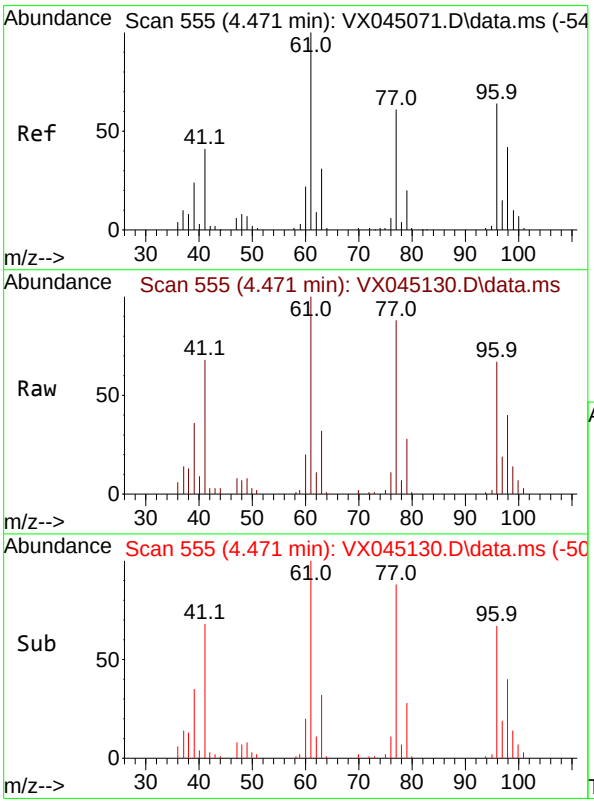
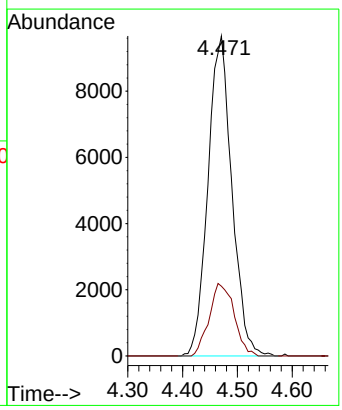


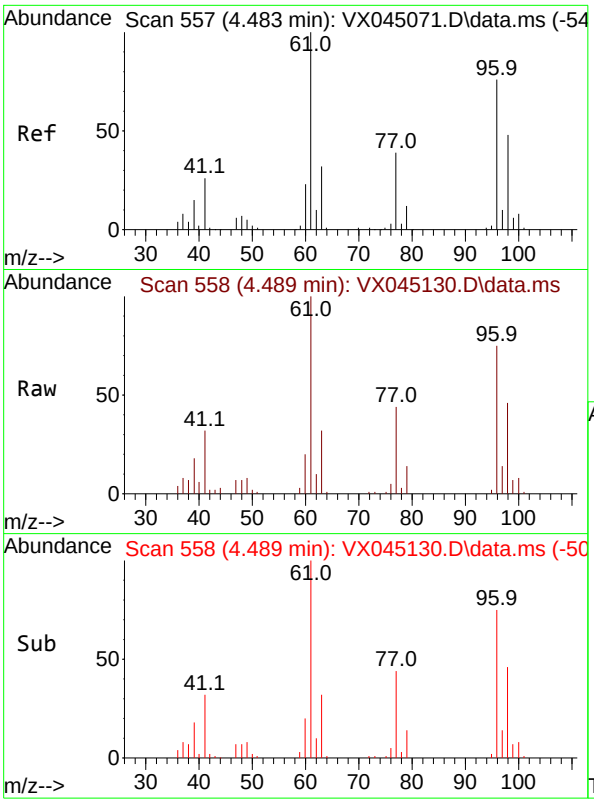


#26
2,2-Dichloropropane
Concen: 25.352 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 77 Resp: 29281

Ion	Ratio	Lower	Upper
77	100		
97	23.6	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 17.683 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 96 Resp: 2617

Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	283.2
98	63.8	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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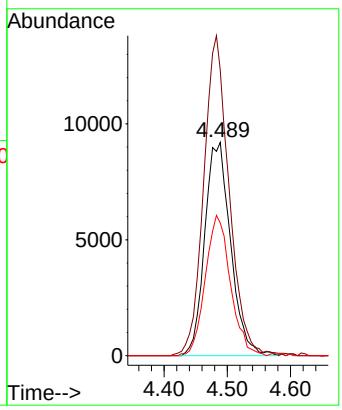
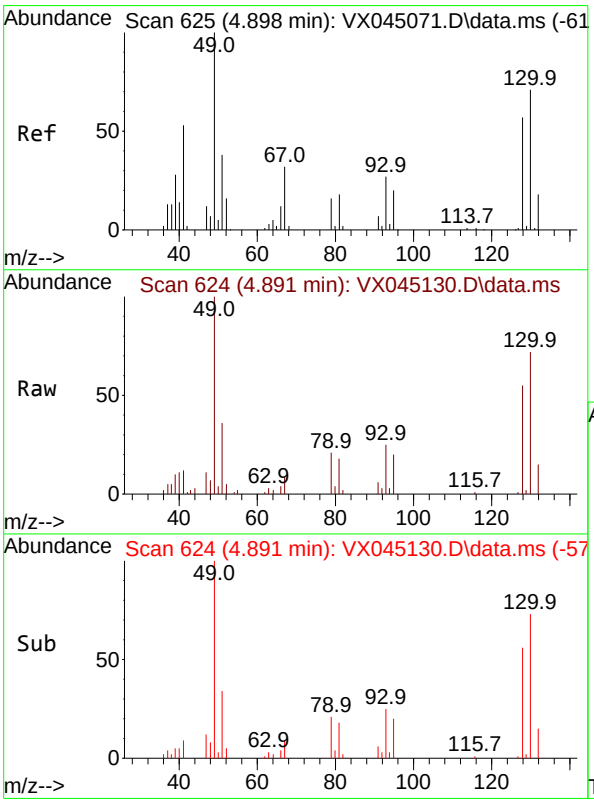
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

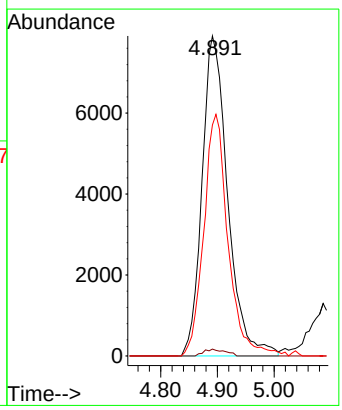


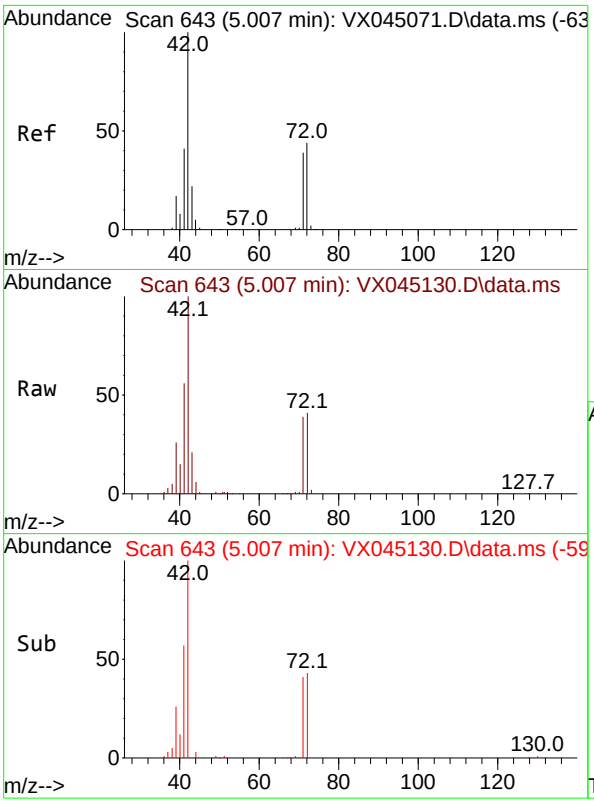


#28
Bromochloromethane
Concen: 21.131 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 49 Resp: 24801

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	71.6	56.1	84.1





#29
Tetrahydrofuran
Concen: 86.717 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

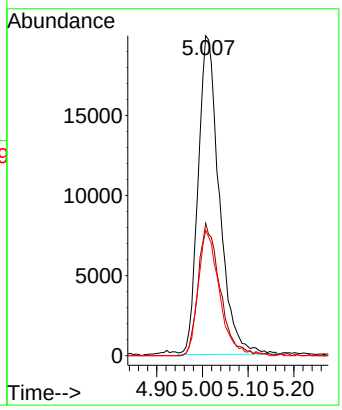
Tgt Ion: 42 Resp: 6389

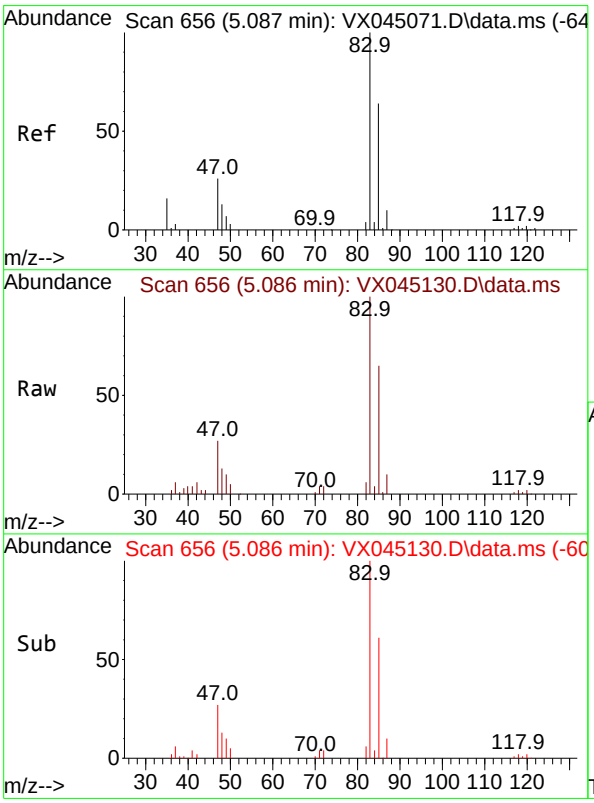
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.5	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

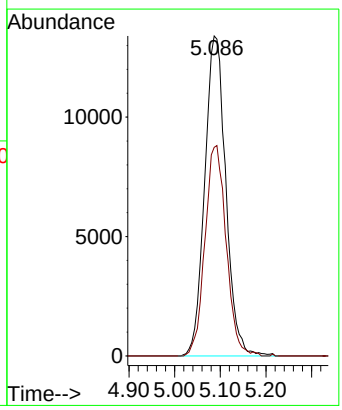


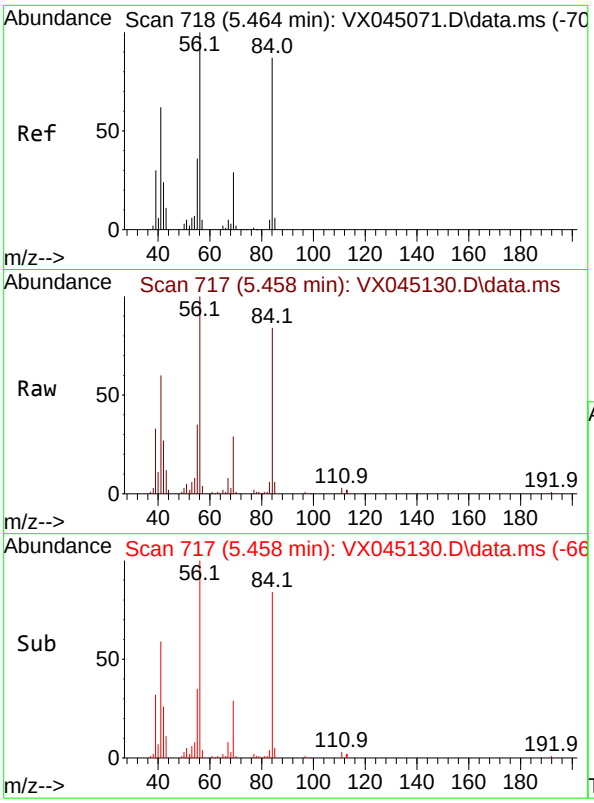


#30
Chloroform
Concen: 17.587 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 83 Resp: 43030

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





#31
Cyclohexane
Concen: 18.481 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 56 Resp: 3950

Ion	Ratio	Lower	Upper
56	100		
69	28.9	23.4	35.2
84	81.7	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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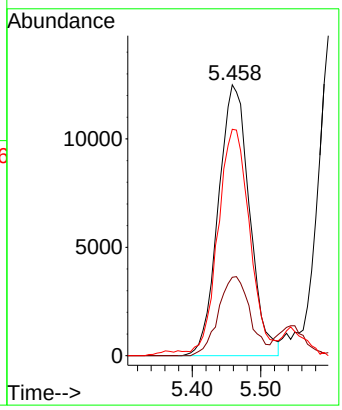
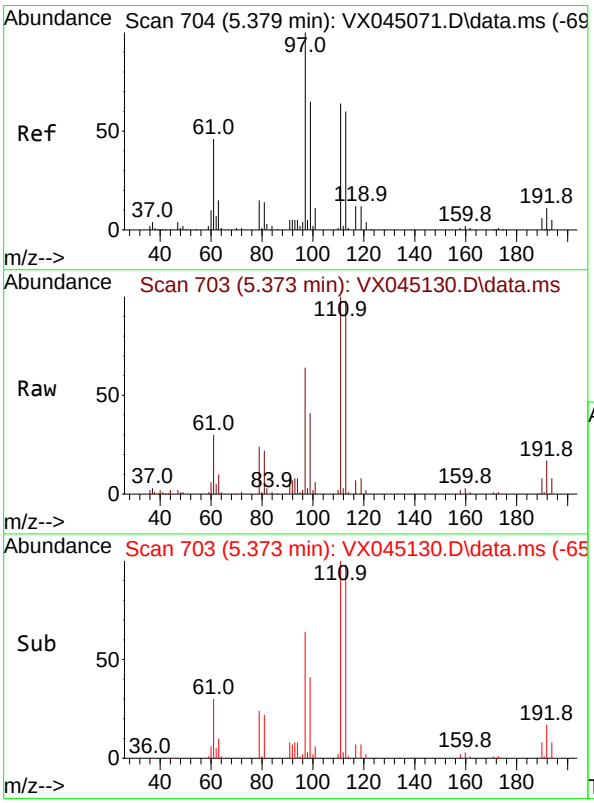
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

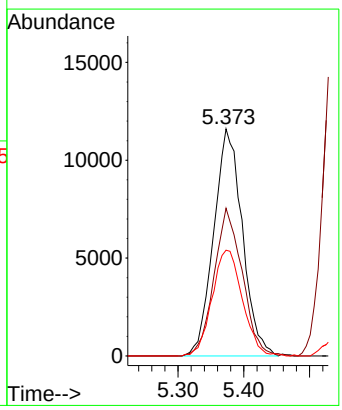


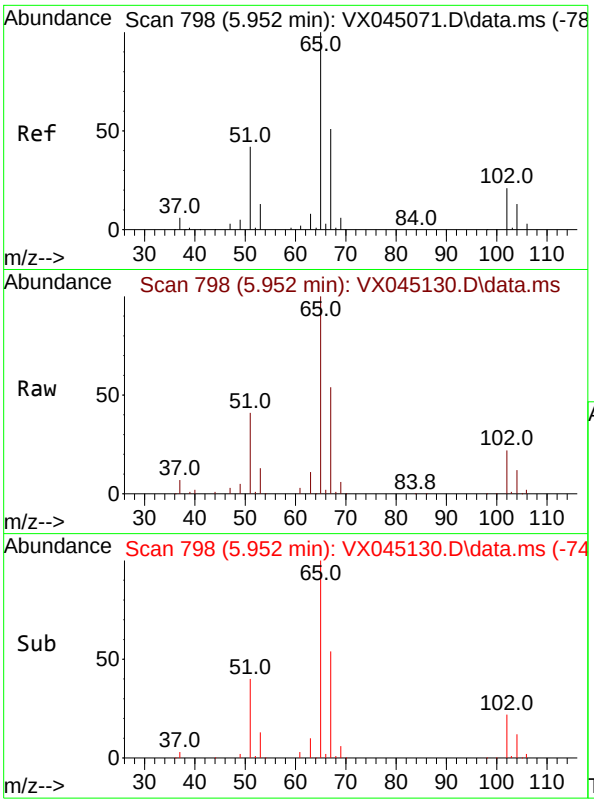


#32
1,1,1-Trichloroethane
Concen: 17.819 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 97 Resp: 35212

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	49.2	38.4	57.6





#33
1,2-Dichloroethane-d4
Concen: 48.361 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 65 Resp: 7597

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	106.2

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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Reviewed By :John Carlone 03/06/2025
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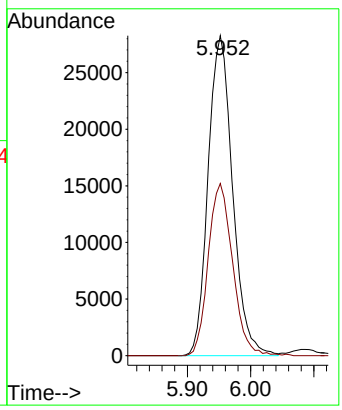
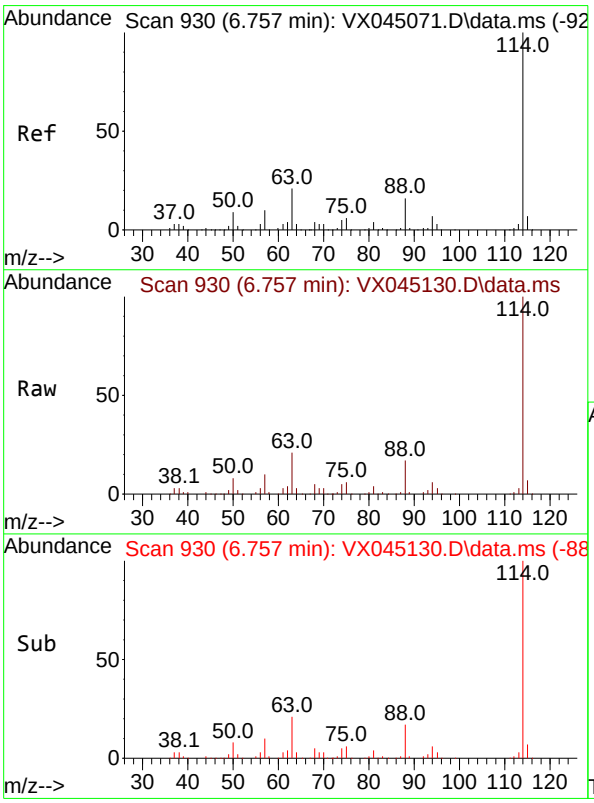
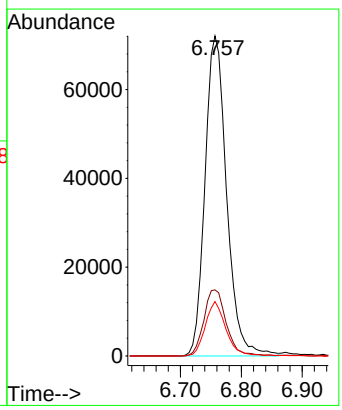


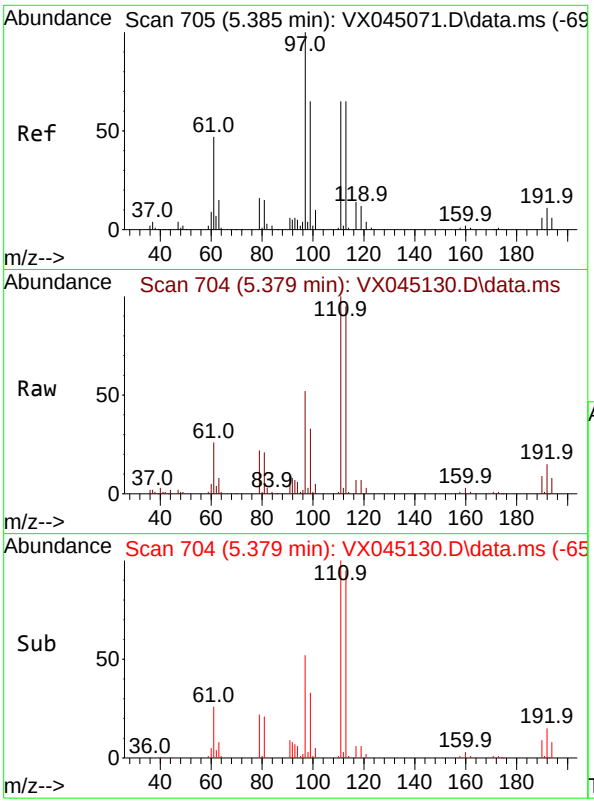


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:114 Resp: 177910

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.8
88	17.0	0.0	32.8

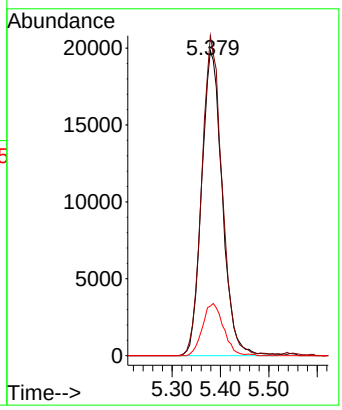




#35
Dibromofluoromethane
Concen: 49.339 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:113 Resp: 5869

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.6
192	17.3	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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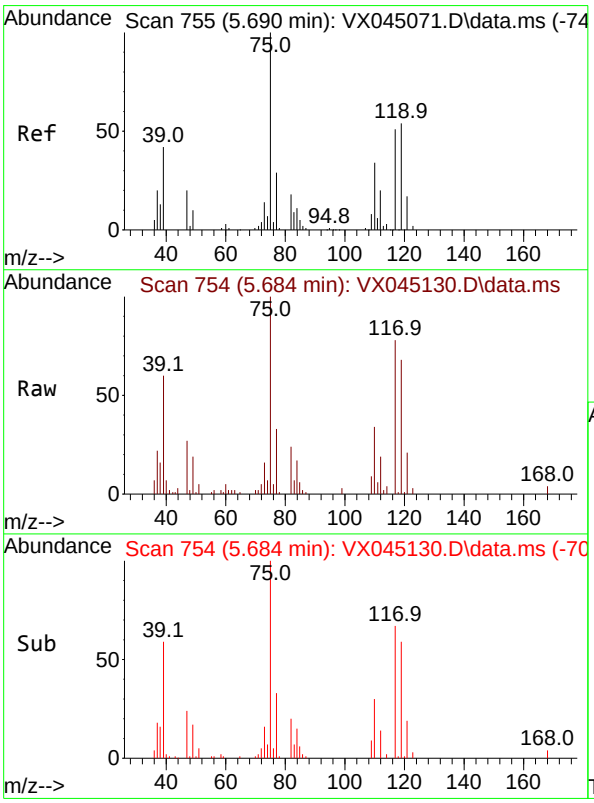
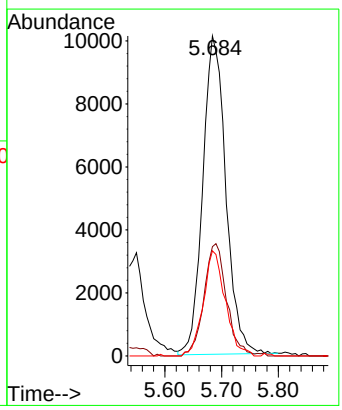
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

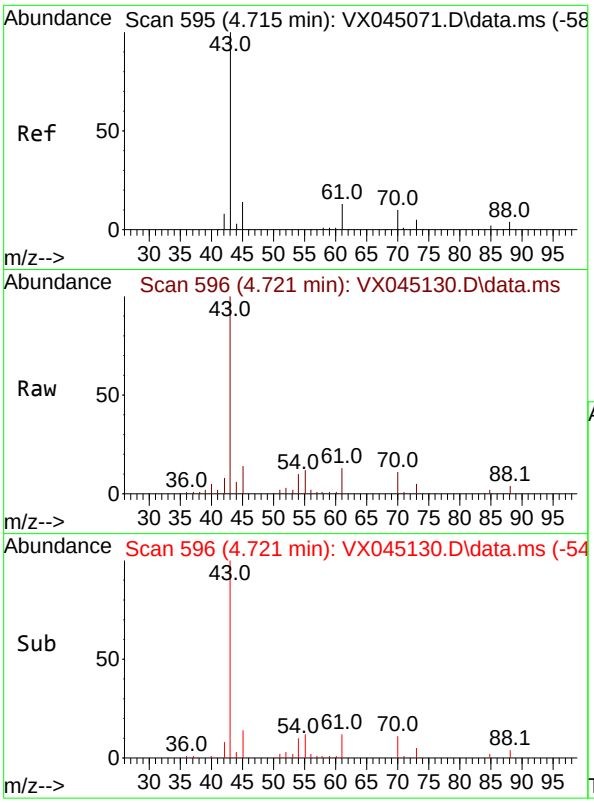


#36
1,1-Dichloropropene
Concen: 17.531 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 75 Resp: 28601

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.9	50.6
77	31.4	24.5	36.7

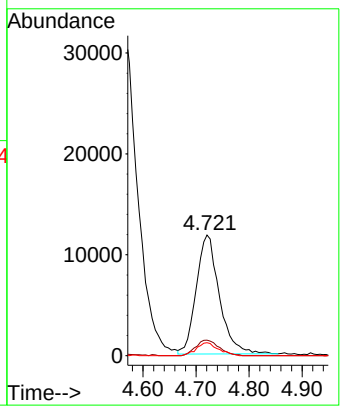




#37
Ethyl Acetate
Concen: 16.958 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 43 Resp: 3565

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.3	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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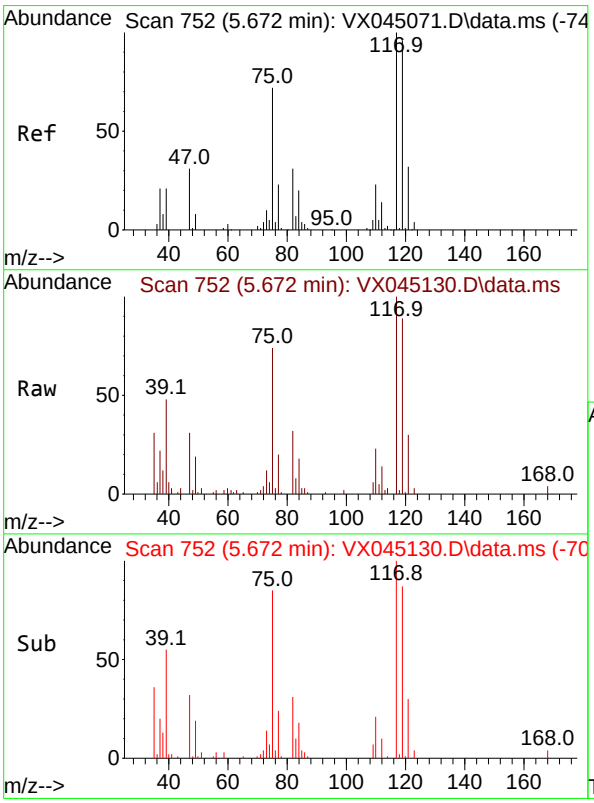
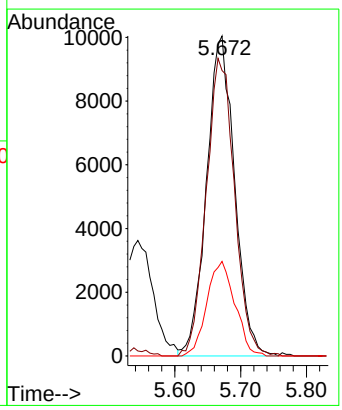
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

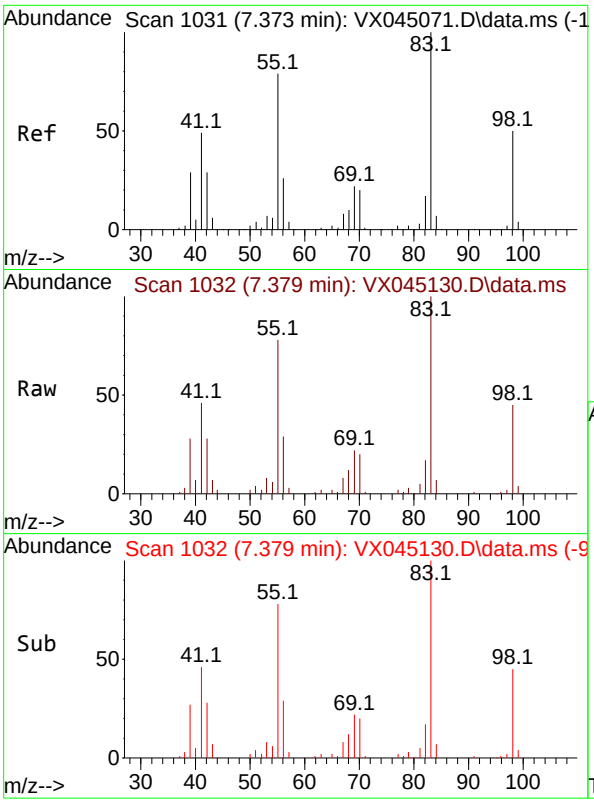


#38
Carbon Tetrachloride
Concen: 18.005 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:117 Resp: 29823

Ion	Ratio	Lower	Upper
117	100		
119	89.2	76.7	115.1
121	29.6	25.5	38.3

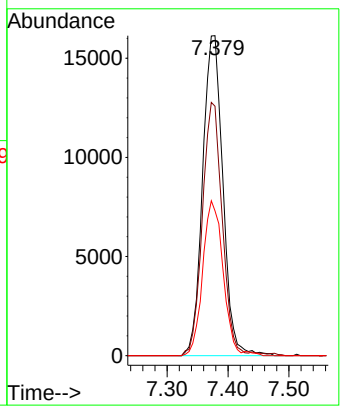




#39
Methylcyclohexane
Concen: 19.091 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 83 Resp: 3732

Ion	Ratio	Lower	Upper
83	100		
55	78.0	63.0	94.4
98	45.3	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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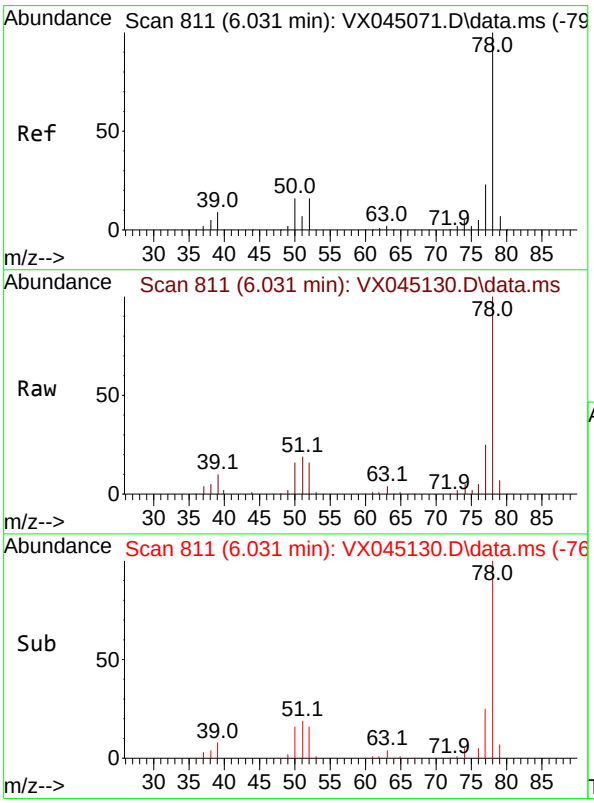
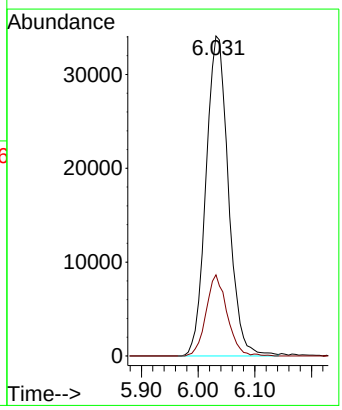
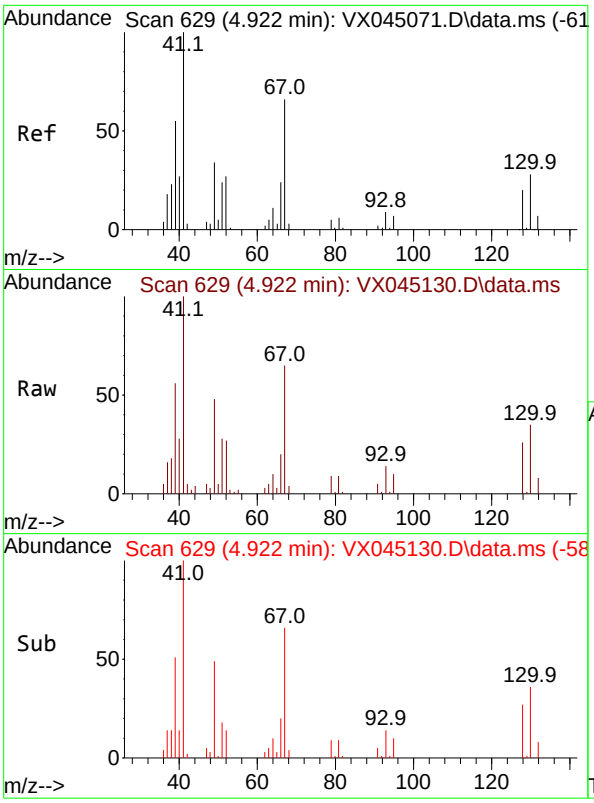


#40
Benzene
Concen: 18.186 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 78 Resp: 93693

Ion	Ratio	Lower	Upper
78	100		
77	25.4	18.8	28.2

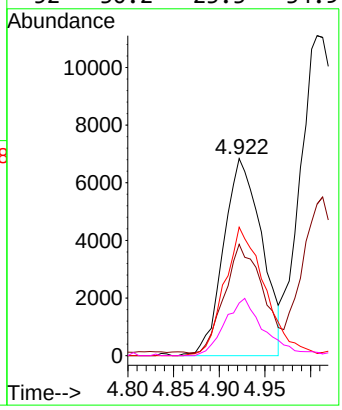




#41
Methacrylonitrile
Concen: 17.492 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 41 Resp: 1988

Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.6	67.0
67	68.8	53.9	80.9
52	30.2	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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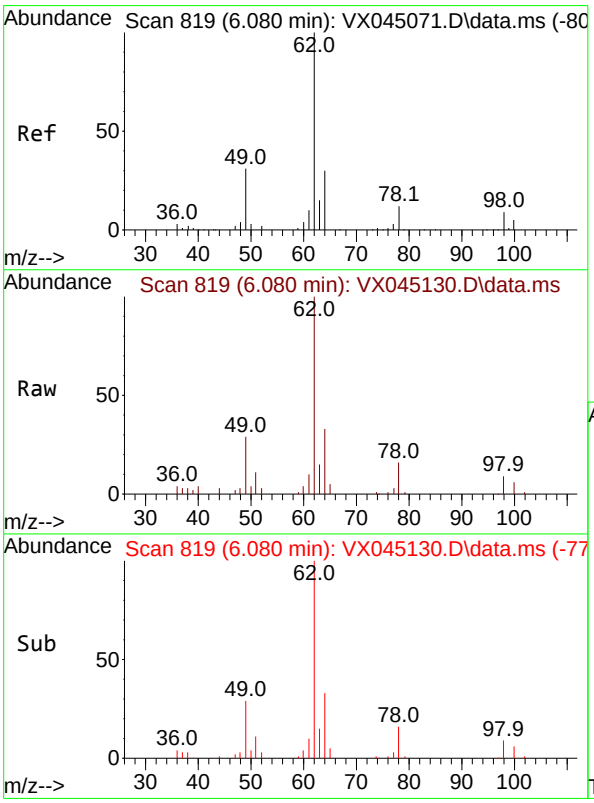
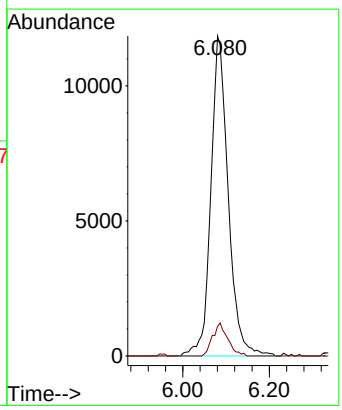
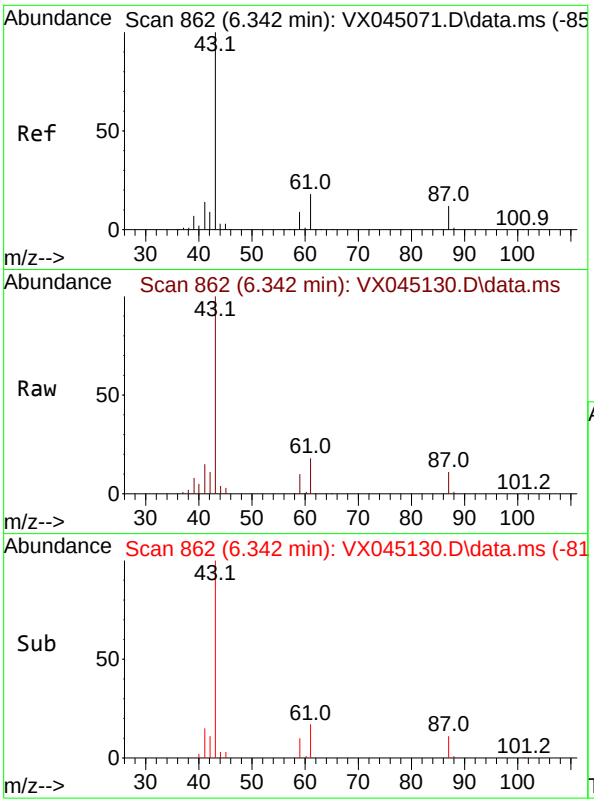


#42
1,2-Dichloroethane
Concen: 17.806 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 62 Resp: 33034

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43
Isopropyl Acetate
Concen: 17.291 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 43 Resp: 5375

Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
87	12.1	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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Reviewed By :John Carlone 03/06/2025
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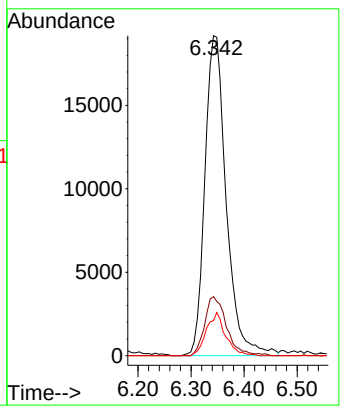
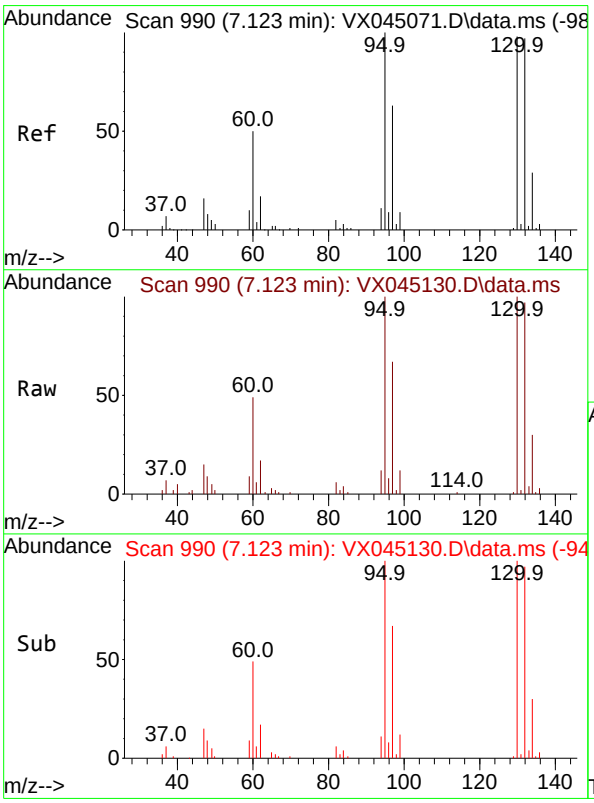
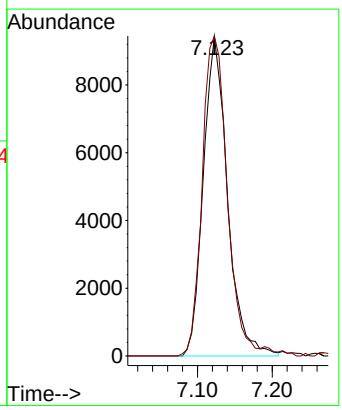


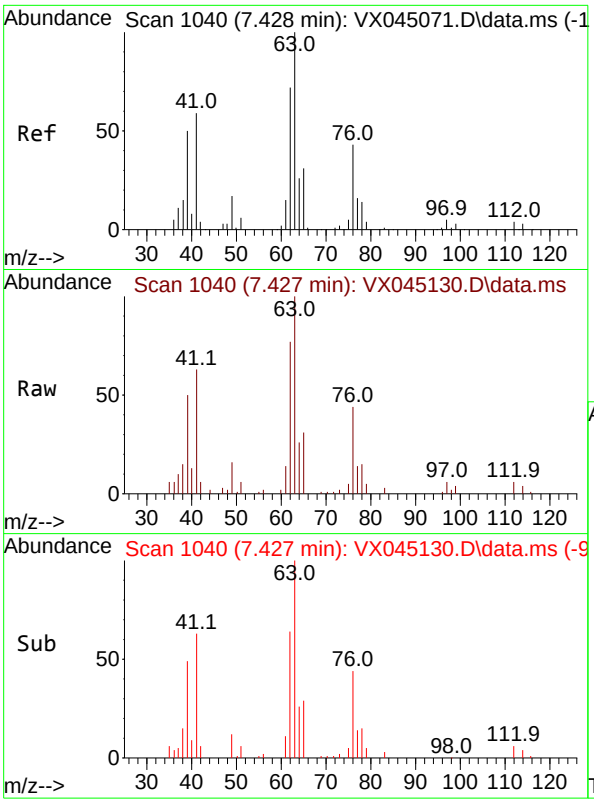


#44
Trichloroethene
Concen: 17.548 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:130 Resp: 21228

Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	205.0

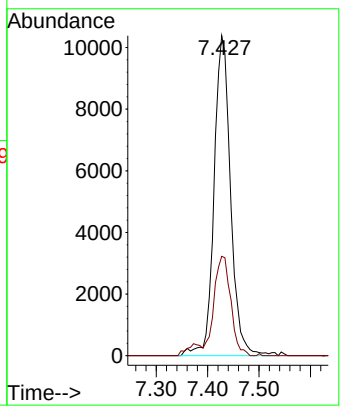




#45
1,2-Dichloropropane
Concen: 17.537 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 63 Resp: 2322

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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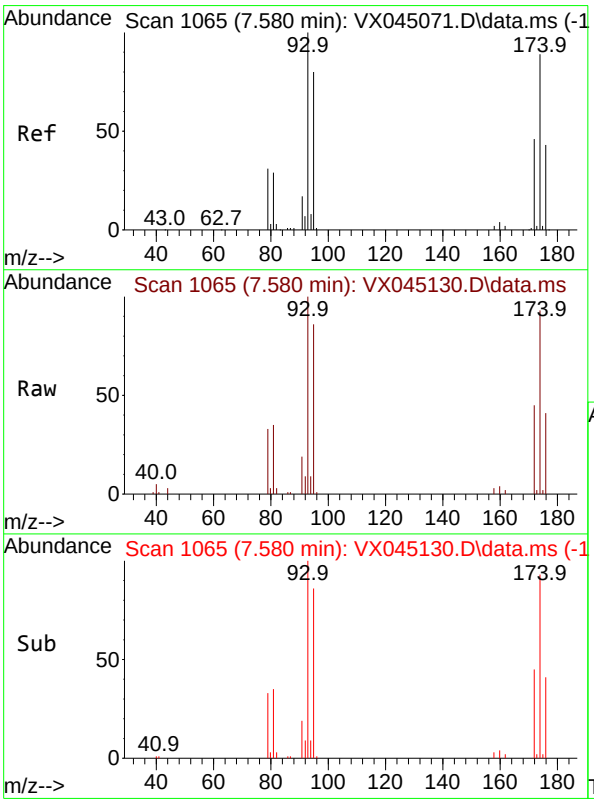
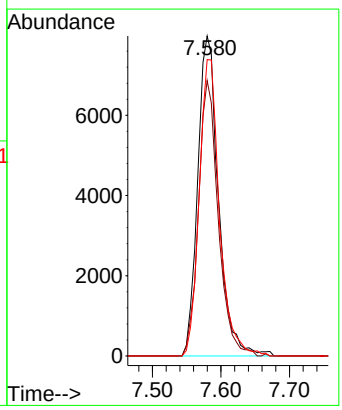
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

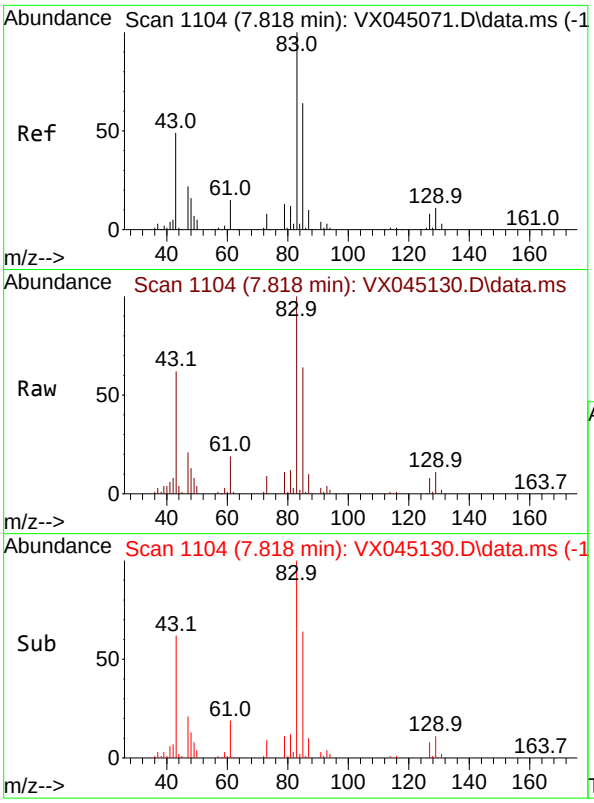


#46
Dibromomethane
Concen: 17.976 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 93 Resp: 16830

Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.8	98.8
174	90.5	72.2	108.2

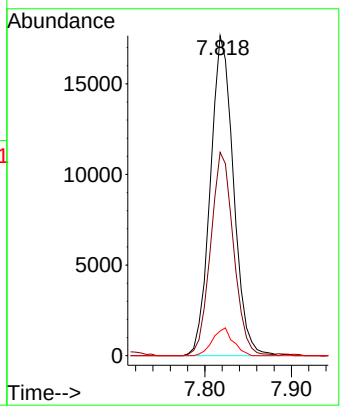




#47
Bromodichloromethane
Concen: 17.834 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 83 Resp: 3275

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.1	76.7
127	7.7	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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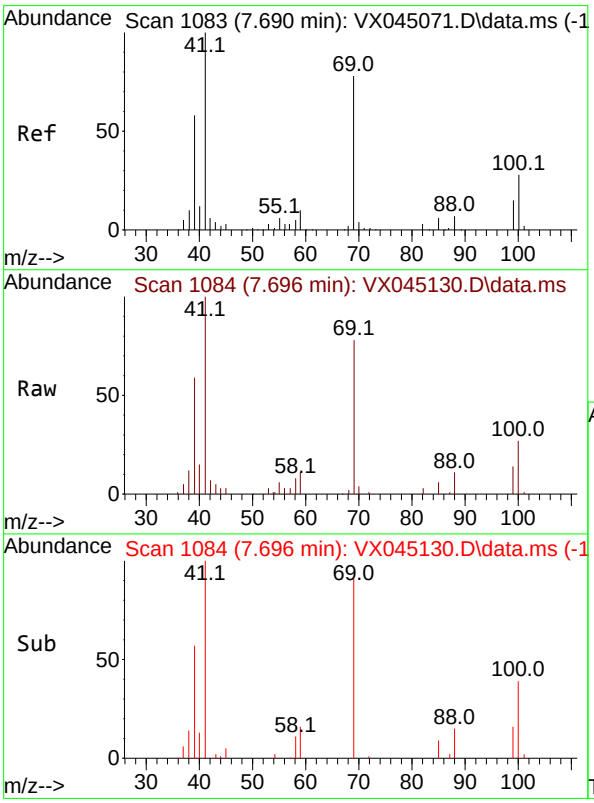
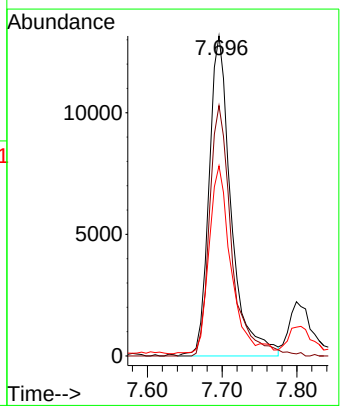
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

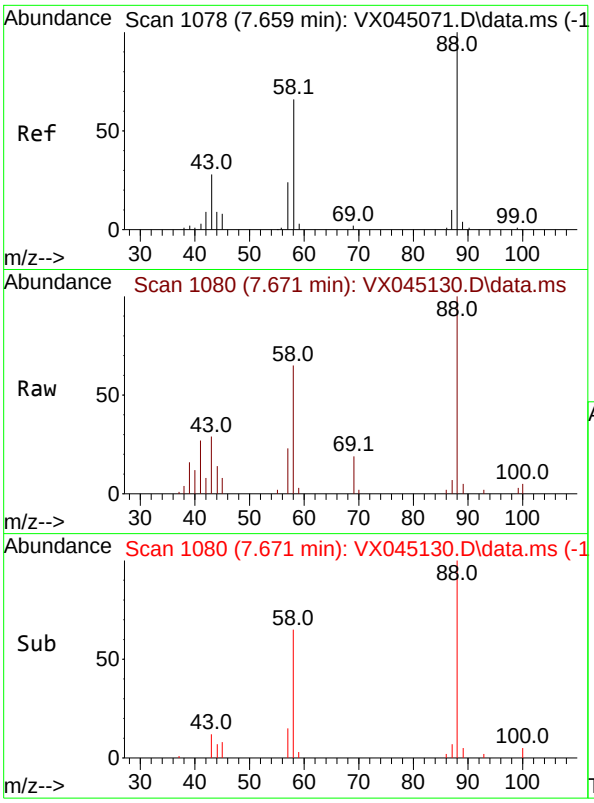


#48
Methyl methacrylate
Concen: 17.316 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 41 Resp: 27005

Ion	Ratio	Lower	Upper
41	100		
69	78.7	63.0	94.6
39	58.7	47.5	71.3

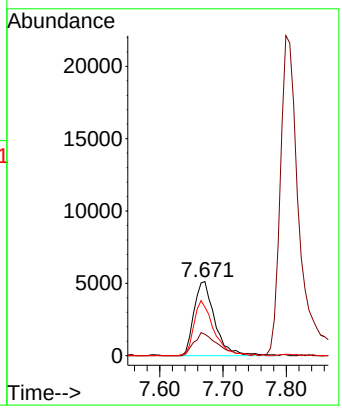




#49
1,4-Dioxane
Concen: 358.508 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 88 Resp: 1179

Ion	Ratio	Lower	Upper
88	100		
43	34.7	28.7	43.1
58	69.3	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

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Reviewed By :John Carlone 03/06/2025
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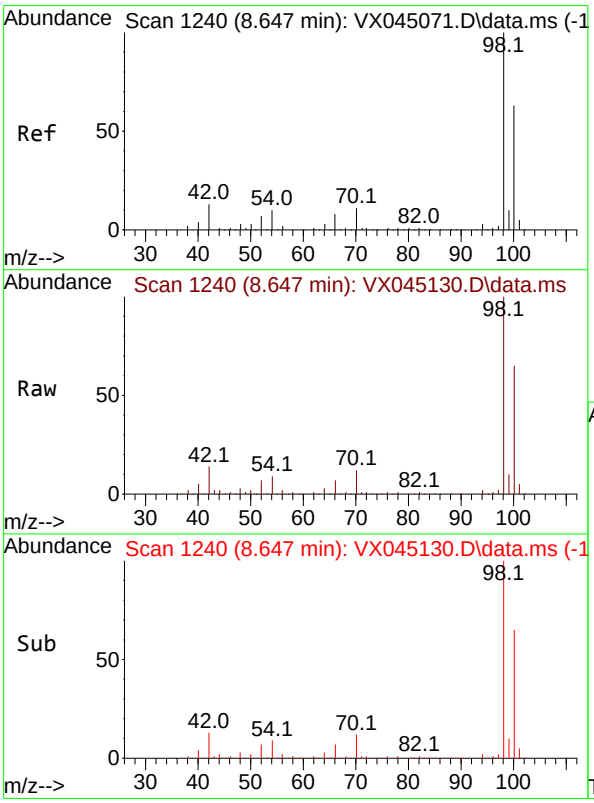
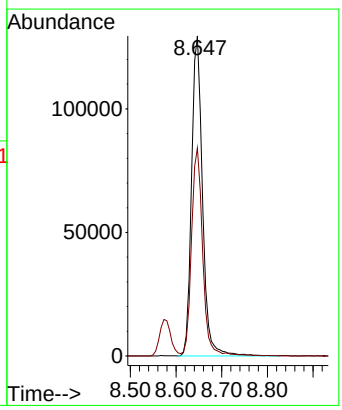
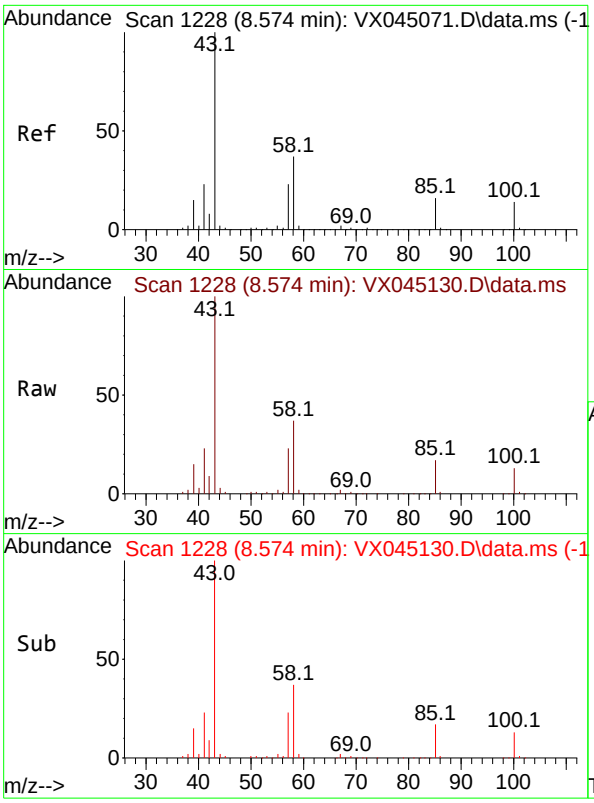


#50
Toluene-d8
Concen: 49.982 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 98 Resp: 215565

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0

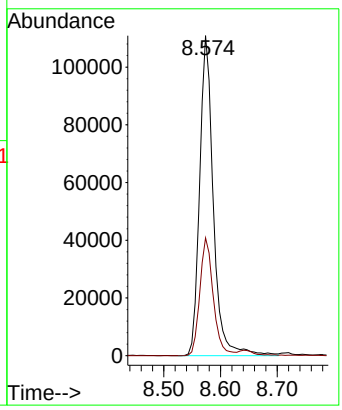




#51
4-Methyl-2-Pentanone
Concen: 89.468 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 43 Resp: 18674

Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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Reviewed By :John Carlone 03/06/2025
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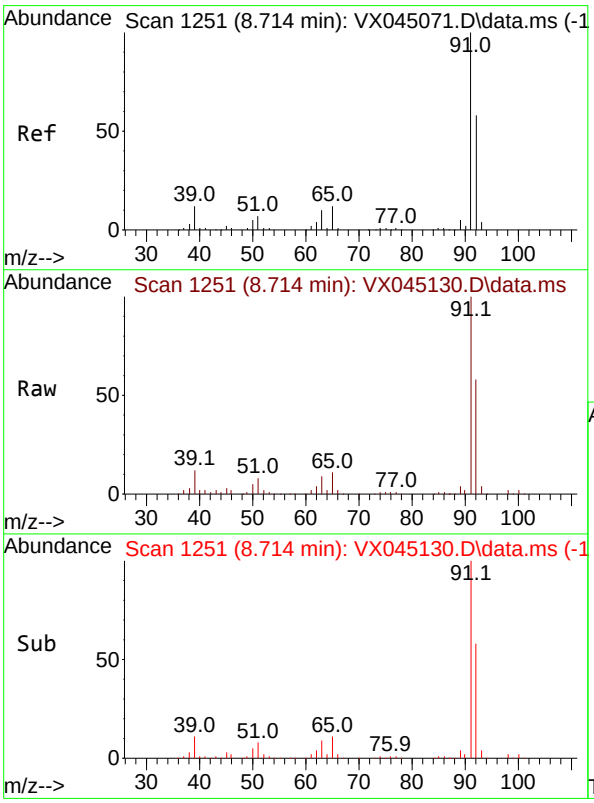
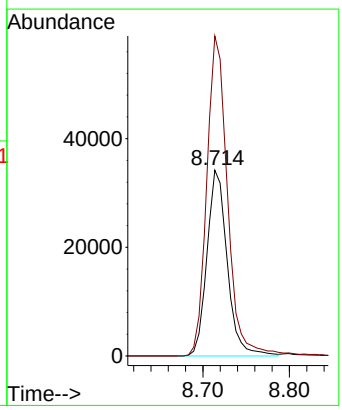
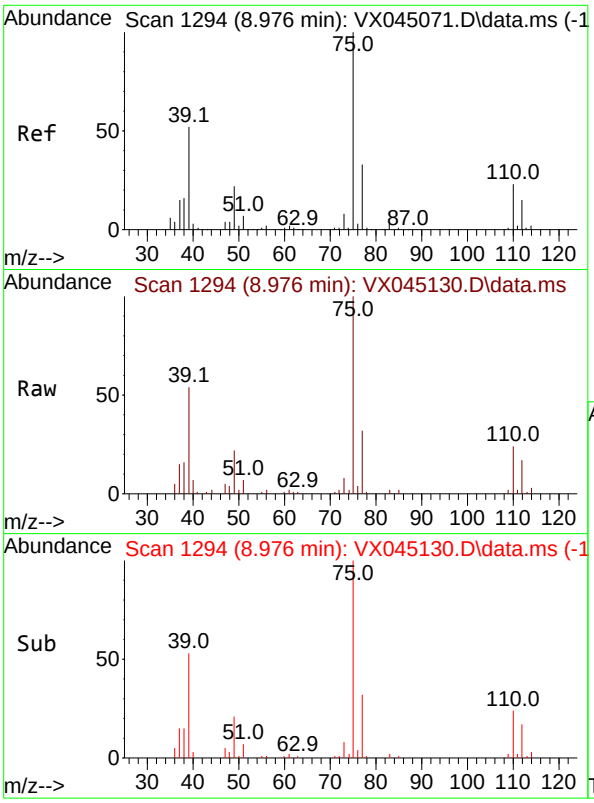


#52
Toluene
Concen: 18.437 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 92 Resp: 55728

Ion	Ratio	Lower	Upper
92	100		
91	177.0	138.9	208.3

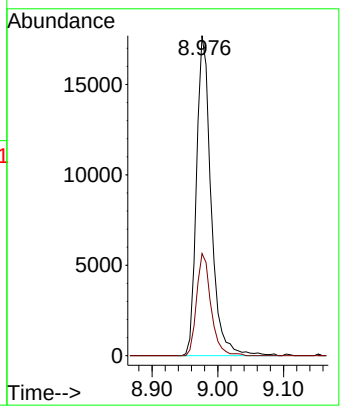




#53
t-1,3-Dichloropropene
Concen: 17.782 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 75 Resp: 2729

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

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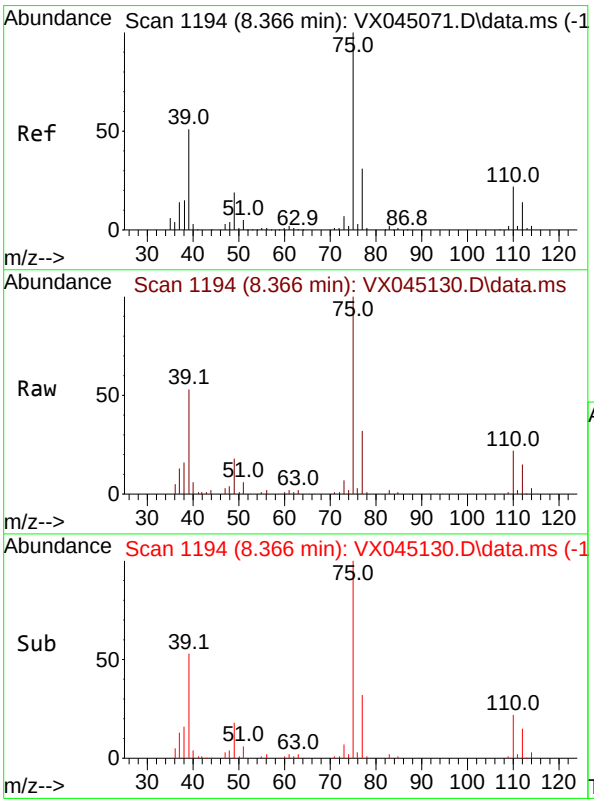
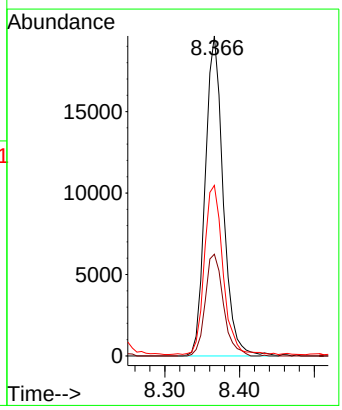
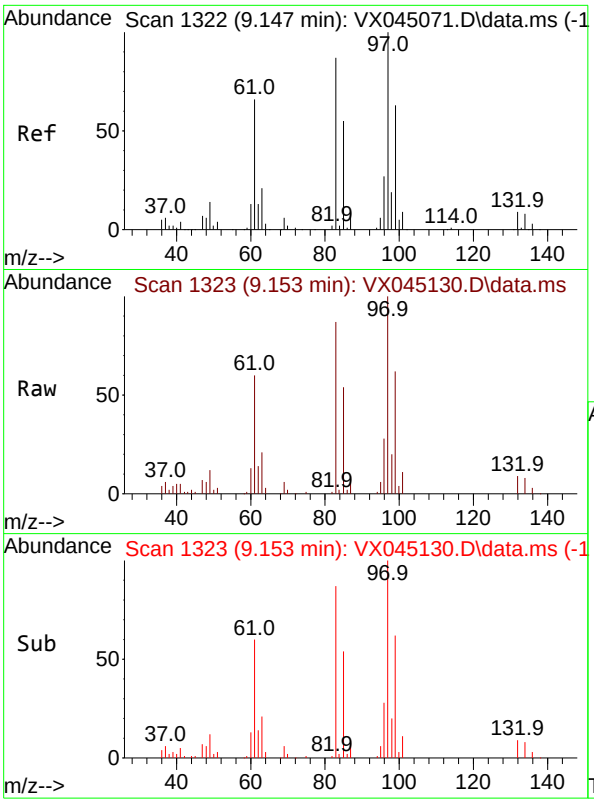


#54
cis-1,3-Dichloropropene
Concen: 18.288 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 75 Resp: 32740

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.7	37.1
39	52.8	40.7	61.1

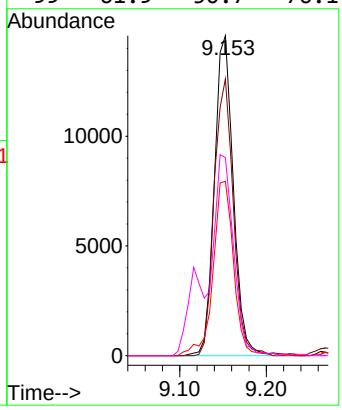




#55
1,1,2-Trichloroethane
Concen: 17.831 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 97 Resp: 2218

Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.4	104.2
85	54.5	44.1	66.1
99	61.9	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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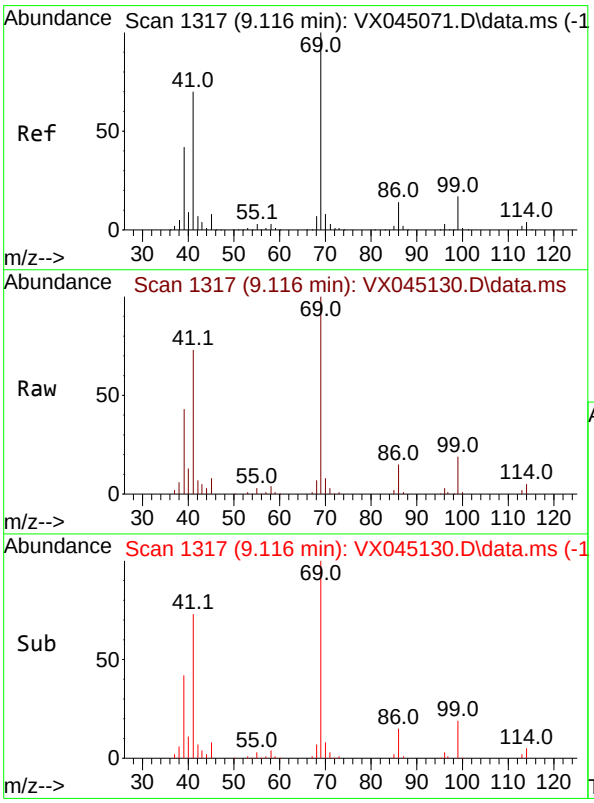
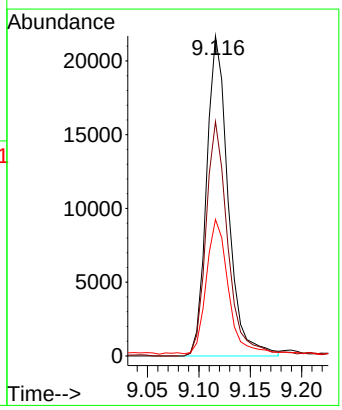
Supervised By :Mahesh Dadoda 03/06/2025

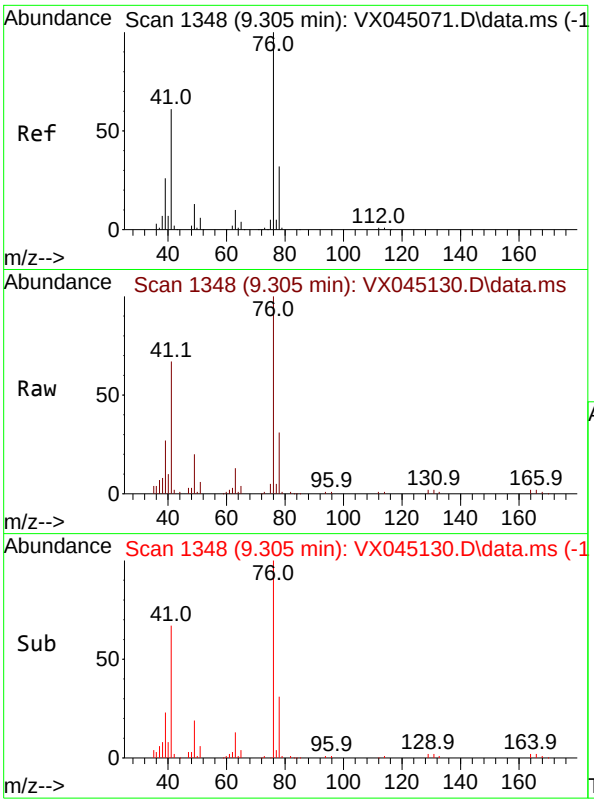


#56
Ethyl methacrylate
Concen: 16.772 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 69 Resp: 31725

Ion	Ratio	Lower	Upper
69	100		
41	74.5	57.0	85.4
39	43.9	34.2	51.4





#57
1,3-Dichloropropane
Concen: 17.852 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 76 Resp: 3844

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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Reviewed By :John Carlone 03/06/2025
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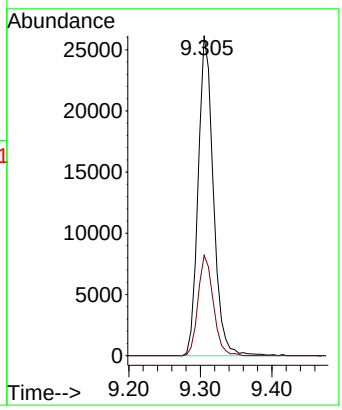
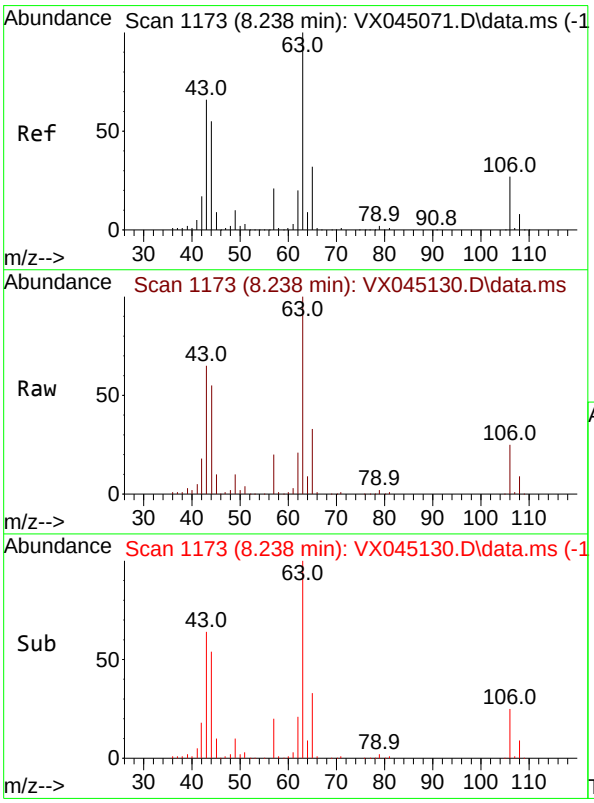
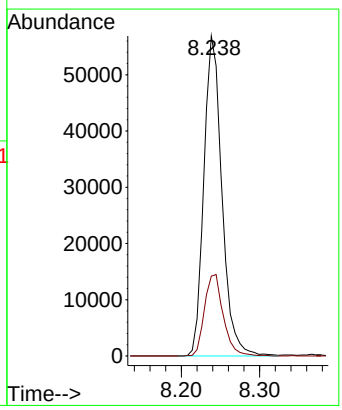


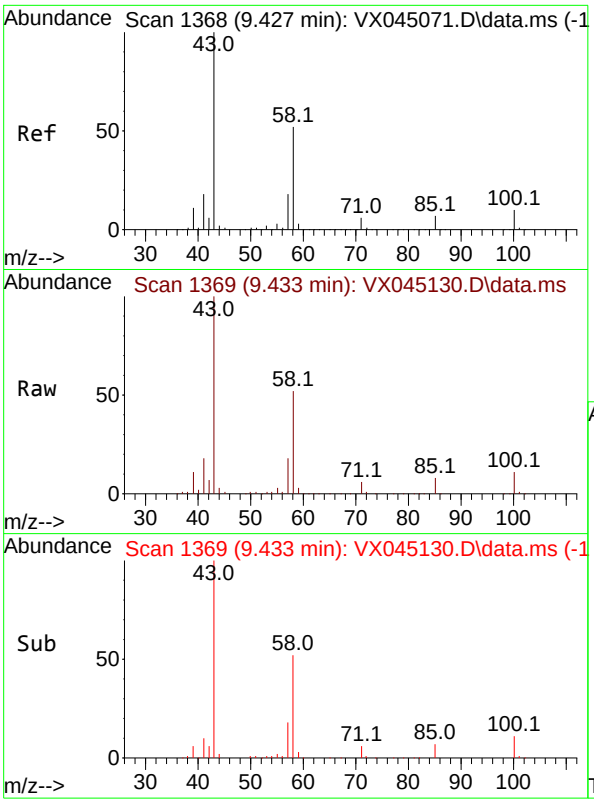


#58
2-Chloroethyl Vinyl ether
Concen: 98.854 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 63 Resp: 91212

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3





#59
2-Hexanone
Concen: 89.062 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 43 Resp: 13469

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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Reviewed By :John Carlone 03/06/2025
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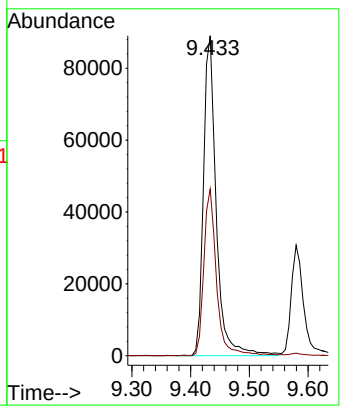
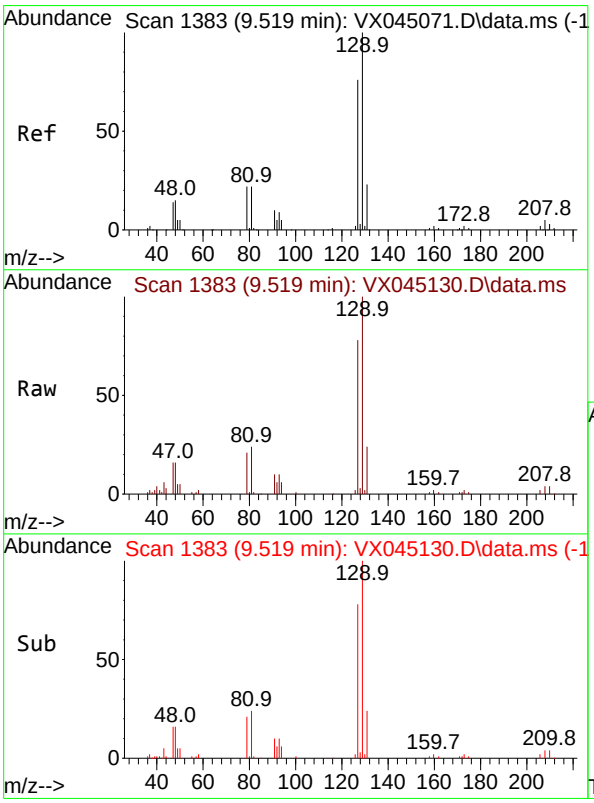
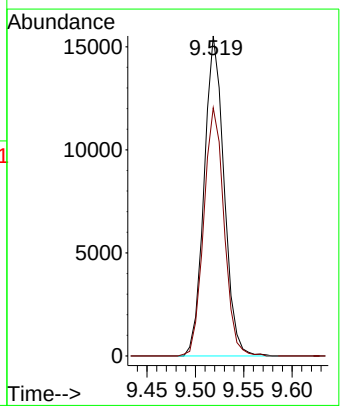


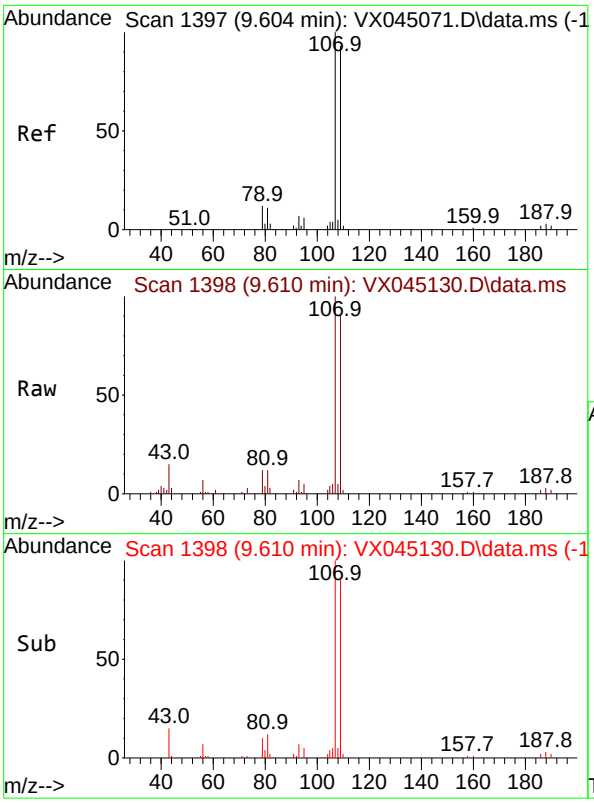


#60
Dibromochloromethane
Concen: 17.117 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:129 Resp: 22271

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.5





#61
1,2-Dibromoethane
Concen: 17.897 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:107 Resp: 2223

Ion	Ratio	Lower	Upper
107	100		
109	92.8	76.1	114.1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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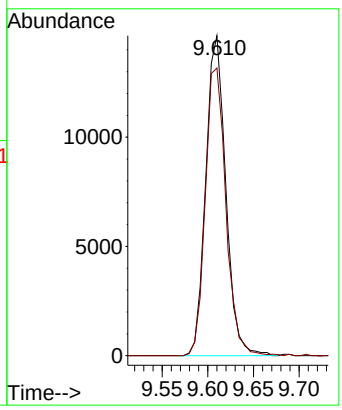
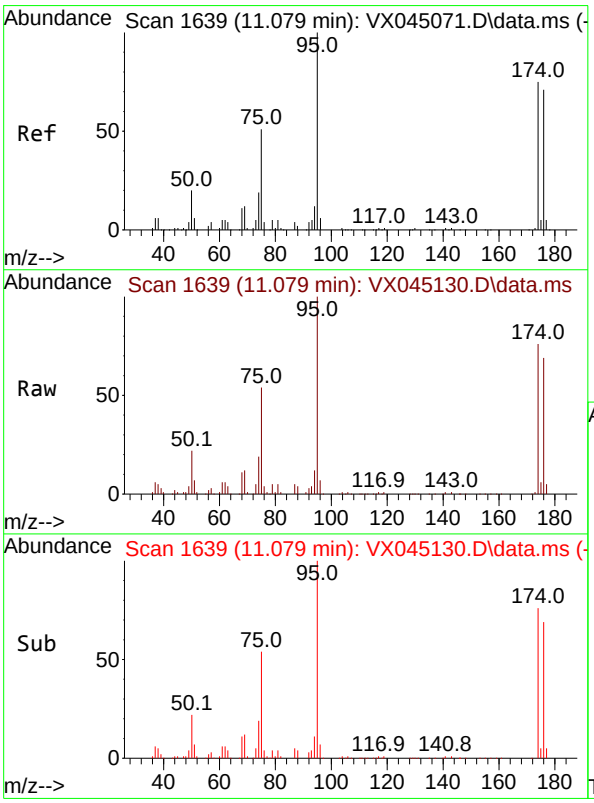
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

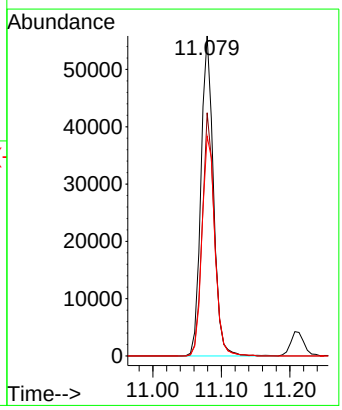


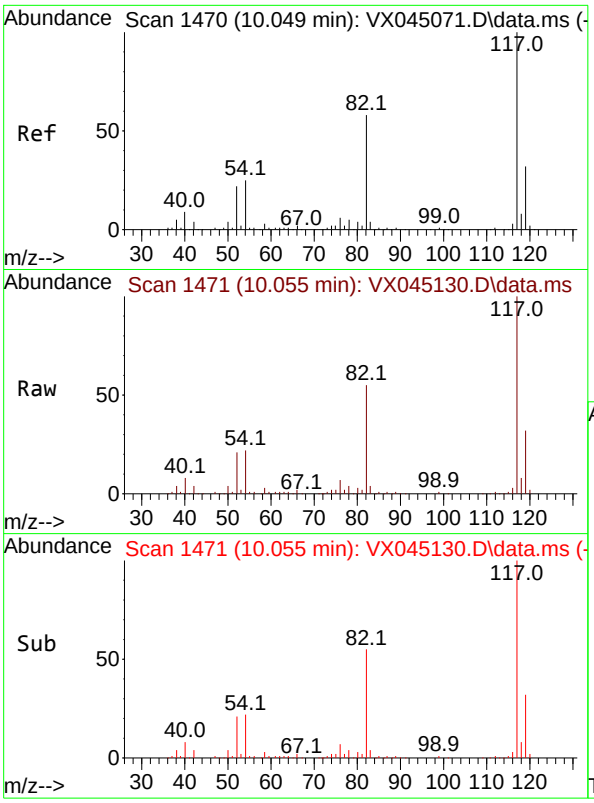


#62
4-Bromofluorobenzene
Concen: 49.515 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 95 Resp: 70764

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	148.2
176	71.1	0.0	141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

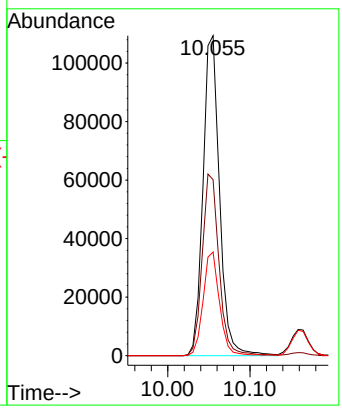
Tgt Ion:117 Resp: 15316

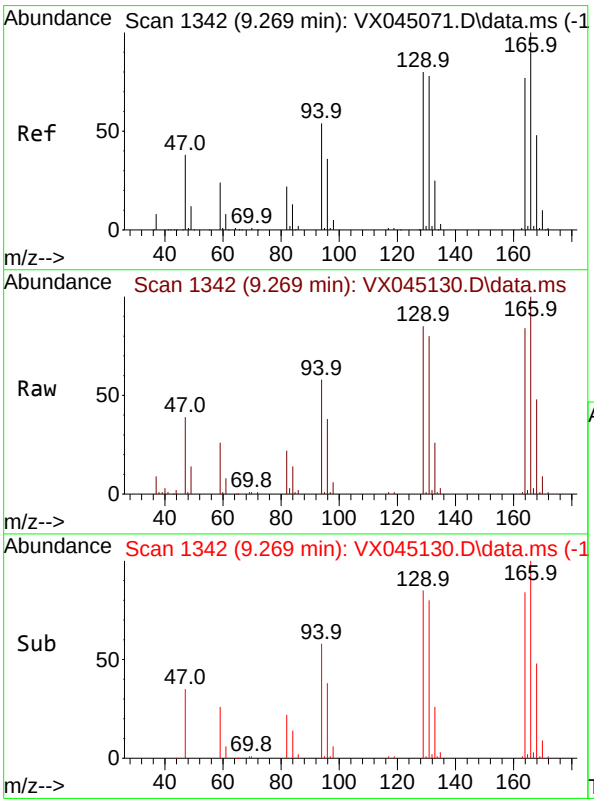
Ion	Ratio	Lower	Upper
117	100		
82	55.0	46.3	69.5
119	32.4	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

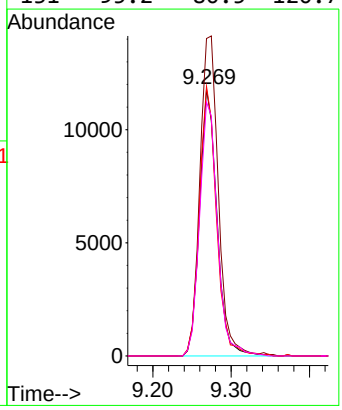


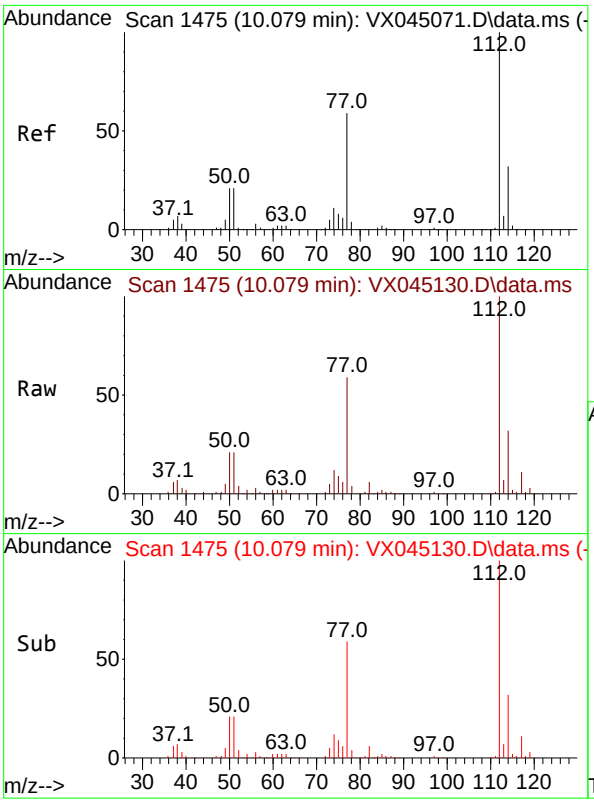


#64
Tetrachloroethene
Concen: 18.522 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:164 Resp: 18169

Ion	Ratio	Lower	Upper
164	100		
166	119.1	103.6	155.4
129	101.1	82.7	124.1
131	95.2	80.5	120.7

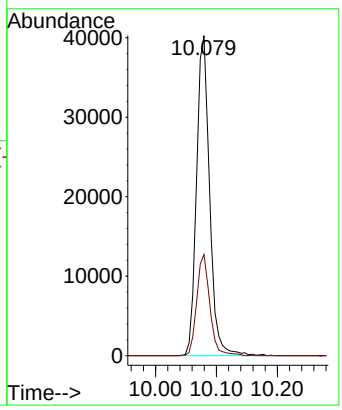




#65
Chlorobenzene
Concen: 18.531 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:112 Resp: 6005

Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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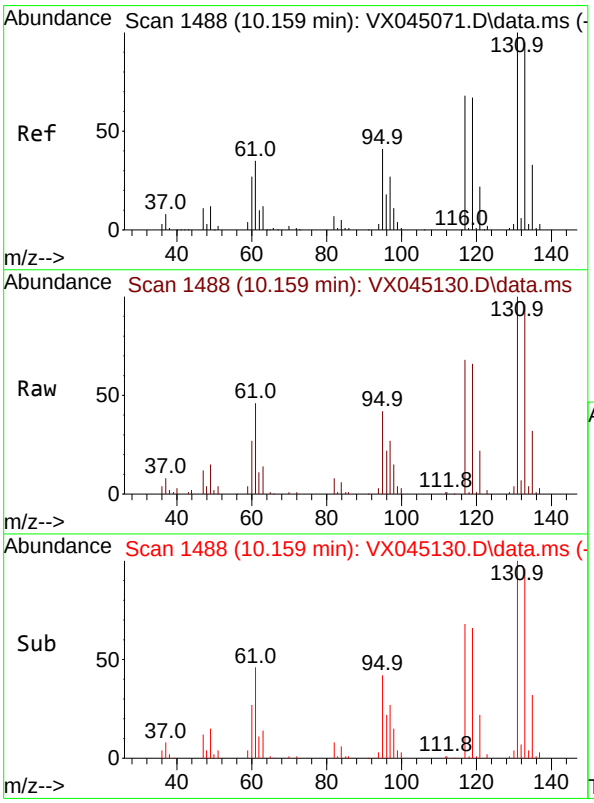
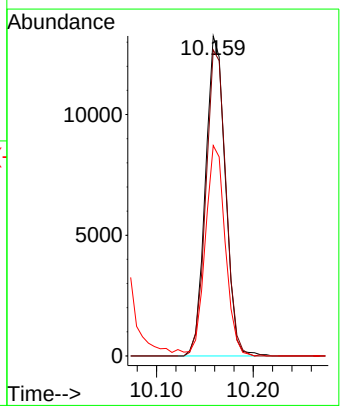
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

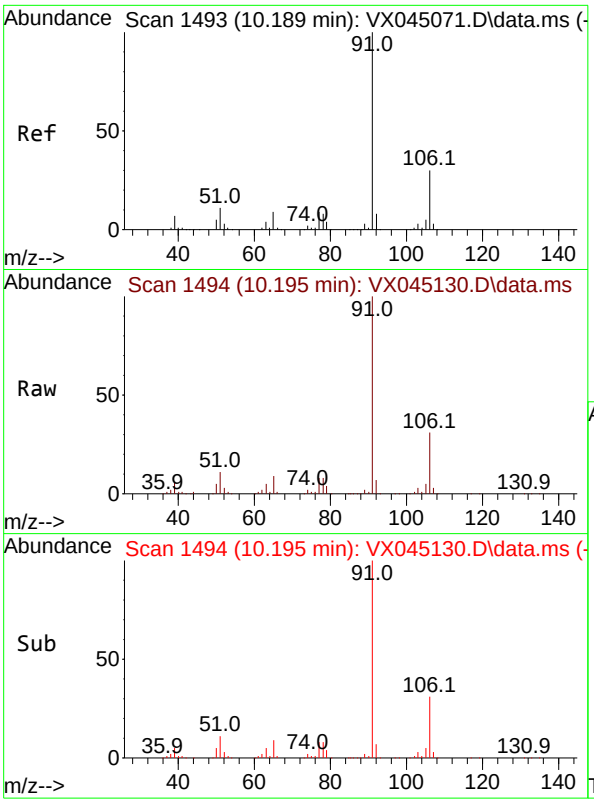


#66
1,1,1,2-Tetrachloroethane
Concen: 17.494 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:131 Resp: 18881

Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.6	145.9
119	66.0	33.9	101.7





#67
Ethyl Benzene
Concen: 18.527 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 91 Resp: 10462

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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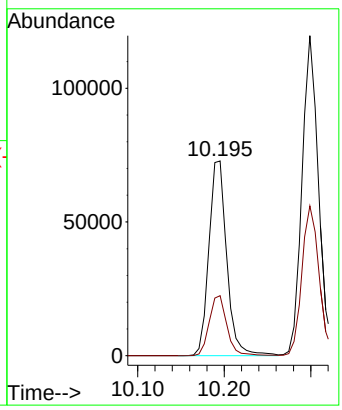
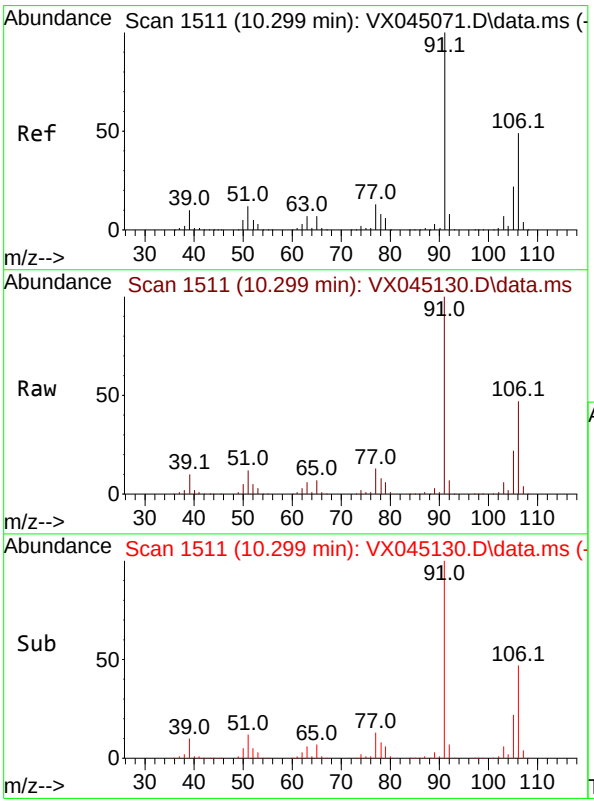
Supervised By :Mahesh Dadoda 03/06/2025

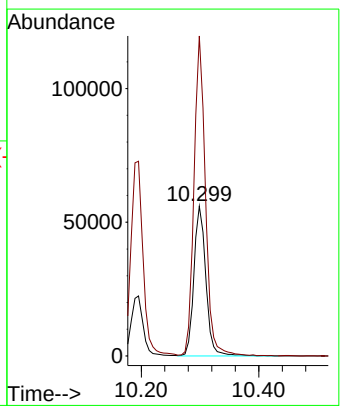


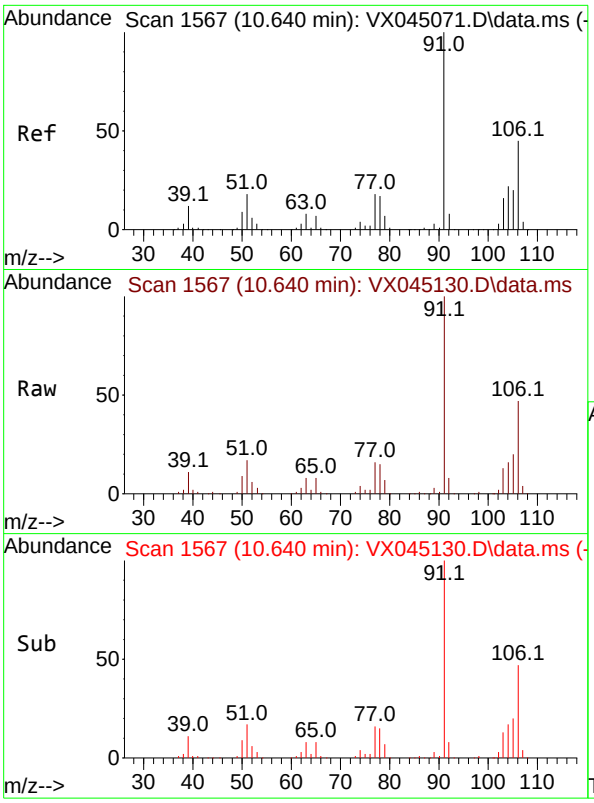


#68
m/p-Xylenes
Concen: 38.326 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:106 Resp: 79227

Ion	Ratio	Lower	Upper
106	100		
91	203.5	165.4	248.0





#69
o-Xylene
Concen: 18.515 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:106 Resp: 3860

Ion	Ratio	Lower	Upper
106	100		
91	216.5	109.9	329.6

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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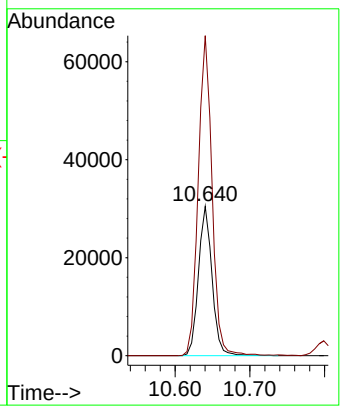
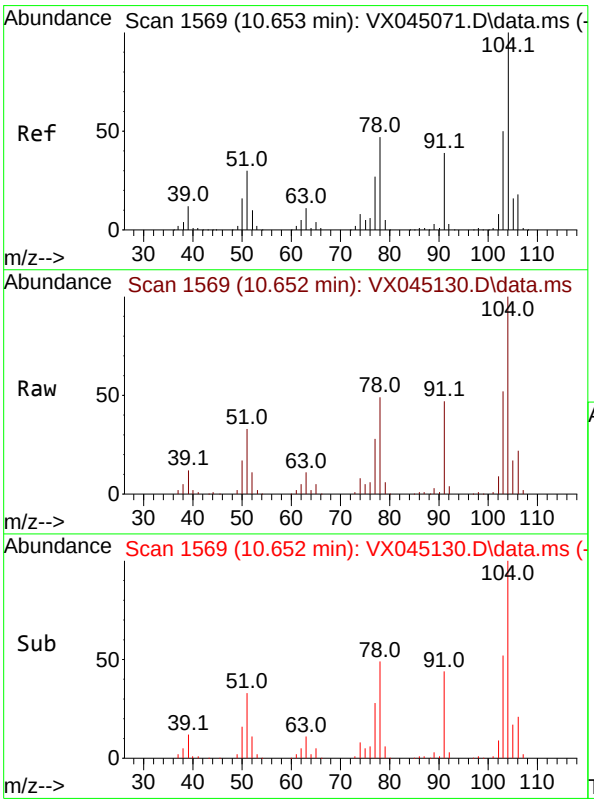
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

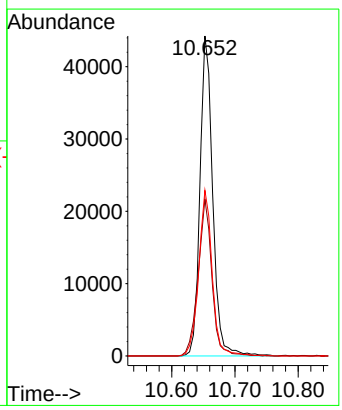


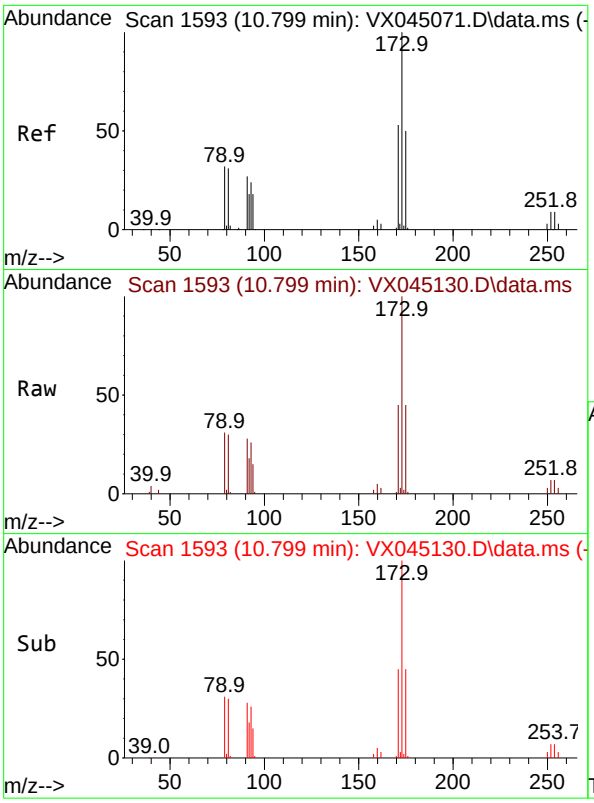


#70
Styrene
Concen: 18.414 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:104 Resp: 62119

Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.2	63.4
103	55.1	43.8	65.8

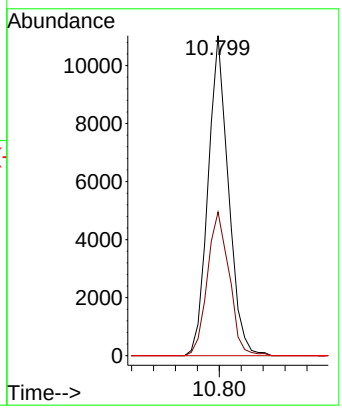




#71
Bromoform
Concen: 17.476 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:173 Resp: 1422

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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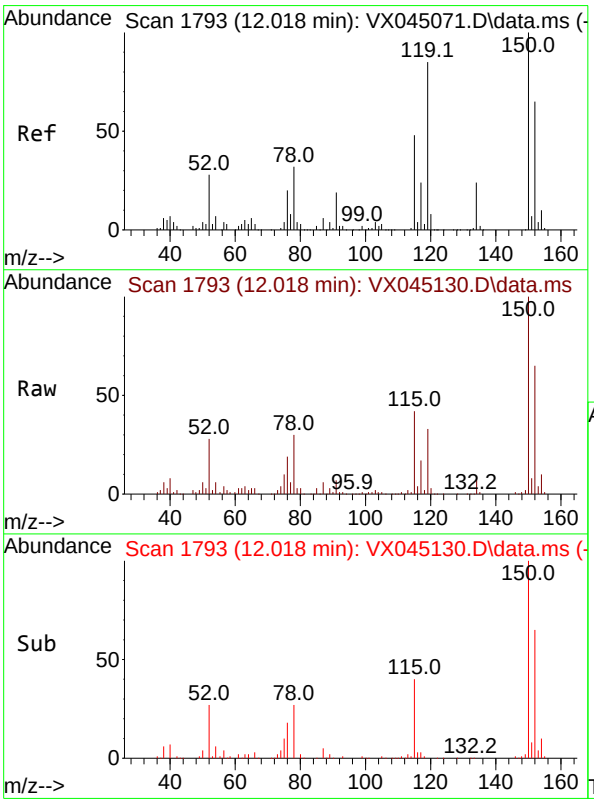
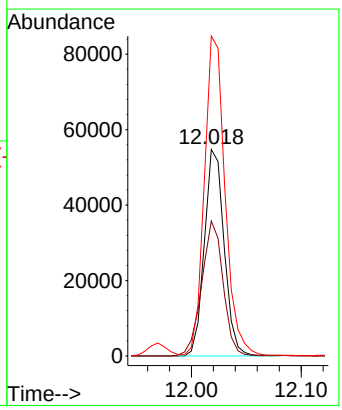
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

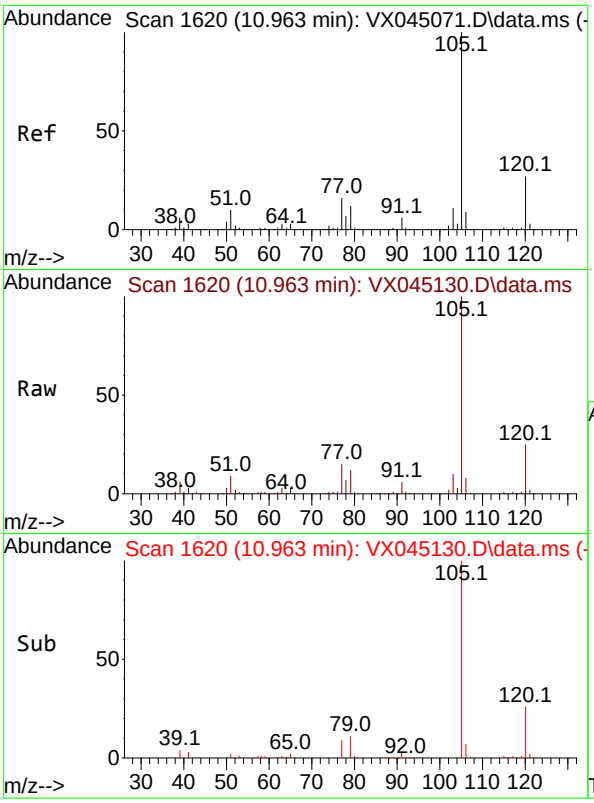


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:152 Resp: 68669

Ion	Ratio	Lower	Upper
152	100		
115	70.5	44.2	132.6
150	162.2	0.0	349.0

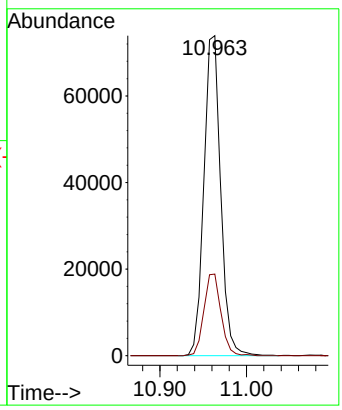




#73
Isopropylbenzene
Concen: 18.537 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:105 Resp: 9935

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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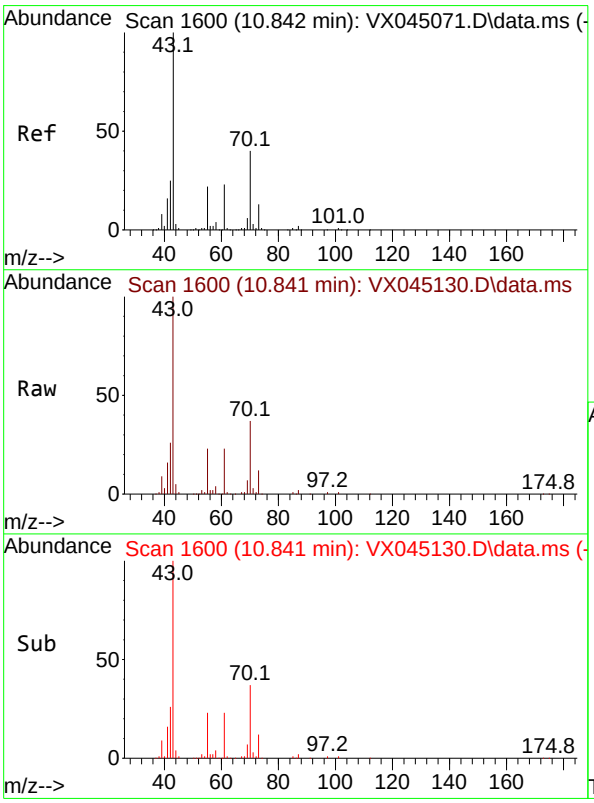
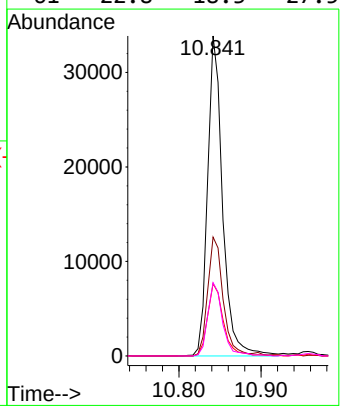
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

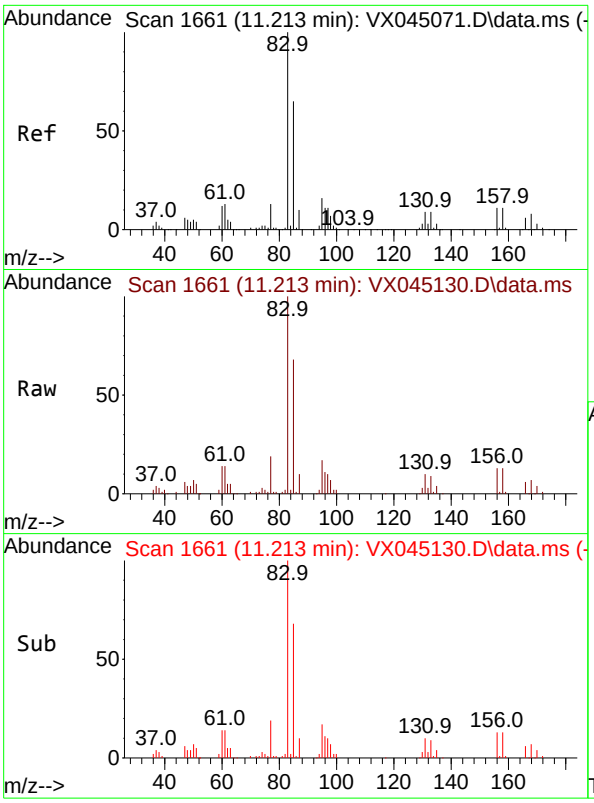


#74
N-amyl acetate
Concen: 17.106 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 43 Resp: 43022

Ion	Ratio	Lower	Upper
43	100		
70	38.9	31.8	47.6
55	23.9	18.3	27.5
61	22.8	18.3	27.5

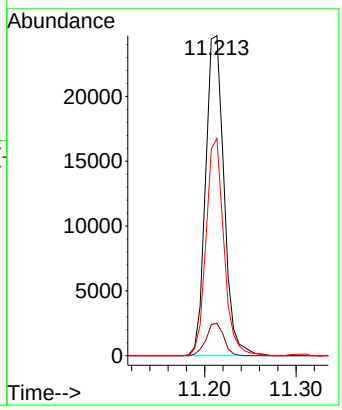




#75
1,1,2,2-Tetrachloroethane
Concen: 17.495 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 83 Resp: 3441

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.5	13.4
85	65.6	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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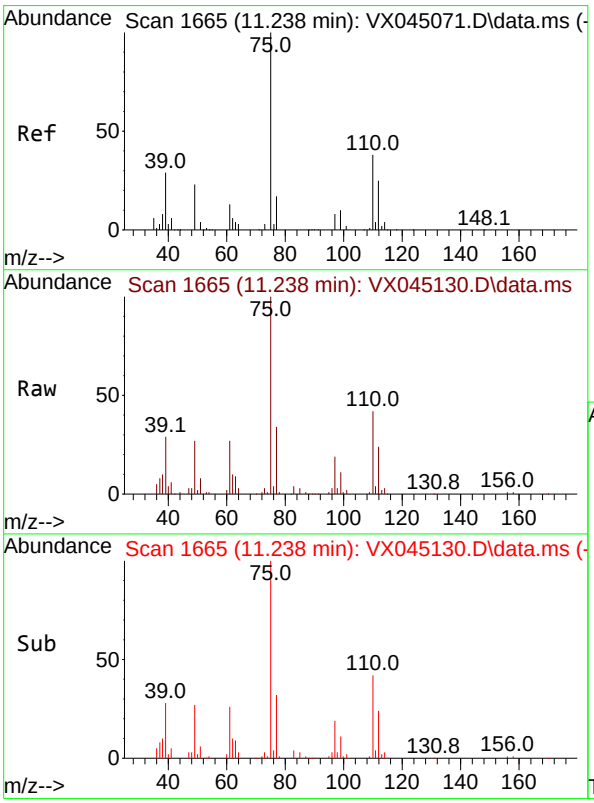
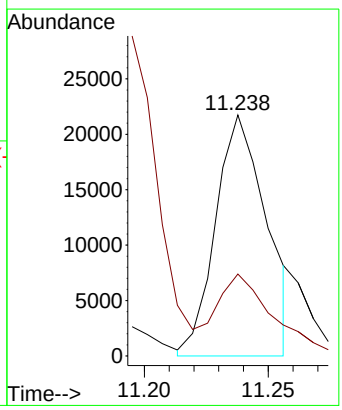
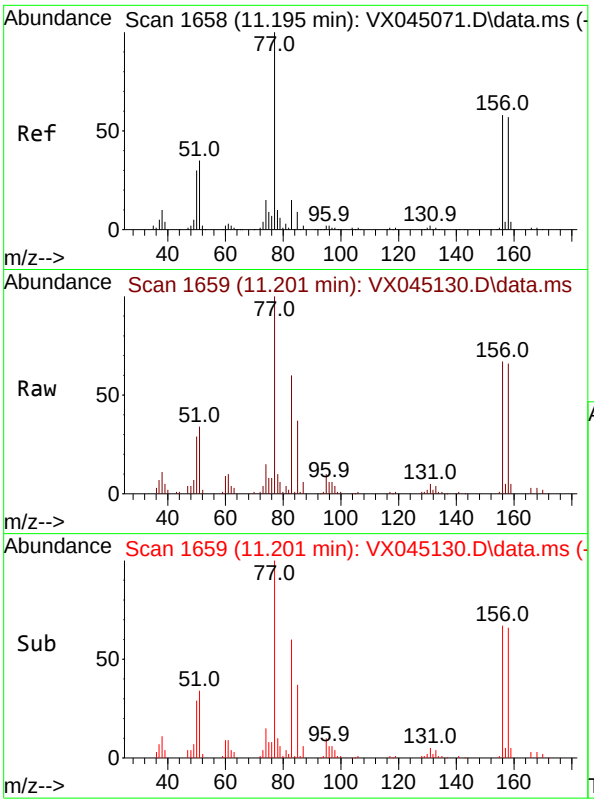


#76
1,2,3-Trichloropropane
Concen: 19.442 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 75 Resp: 31073

Ion	Ratio	Lower	Upper
75	100		
77	38.3	20.7	62.1





#77
Bromobenzene
Concen: 17.813 ug/l
RT: 11.201 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:156 Resp: 2252(

Ion	Ratio	Lower	Upper
156	100		
77	169.5	85.8	257.4
158	98.8	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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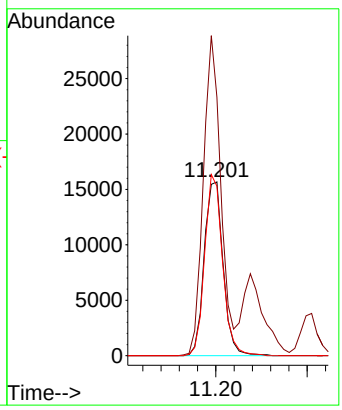
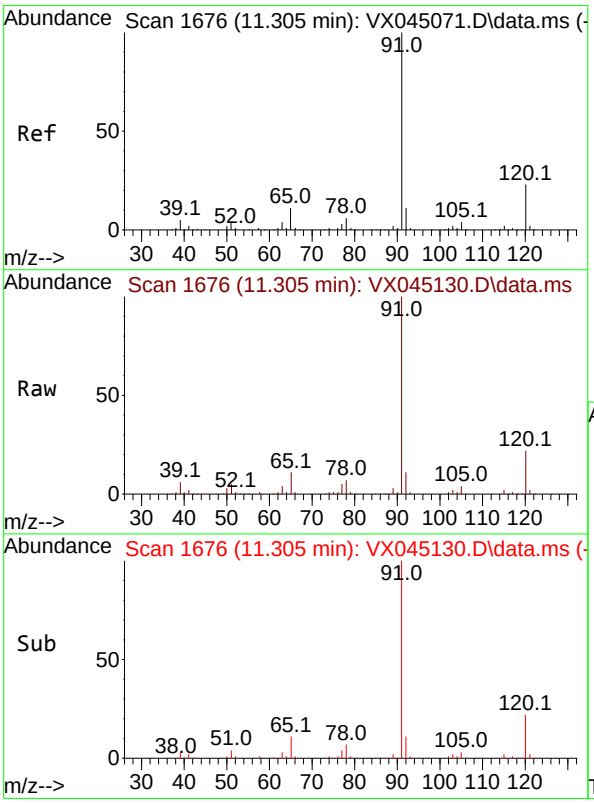
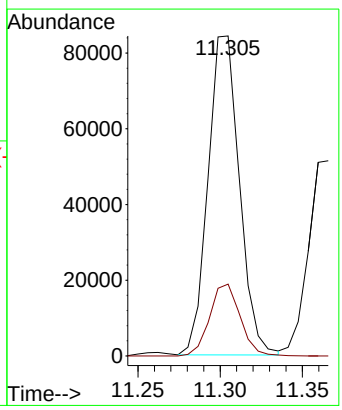


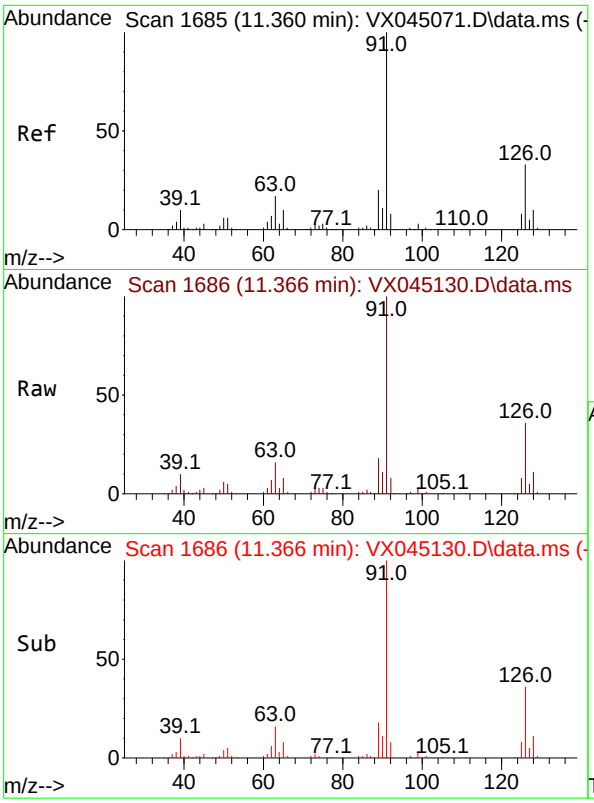


#78
n-propylbenzene
Concen: 18.492 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 91 Resp: 111961

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.6





#79
2-Chlorotoluene
Concen: 17.631 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 91 Resp: 6798

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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Reviewed By :John Carlone 03/06/2025
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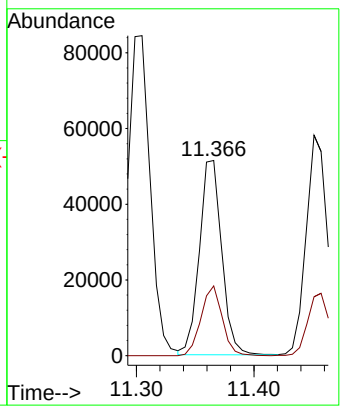
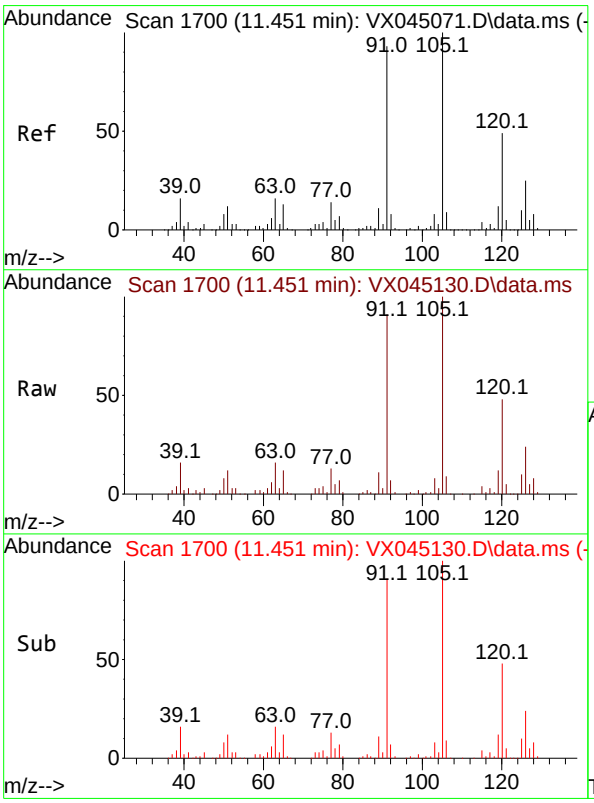
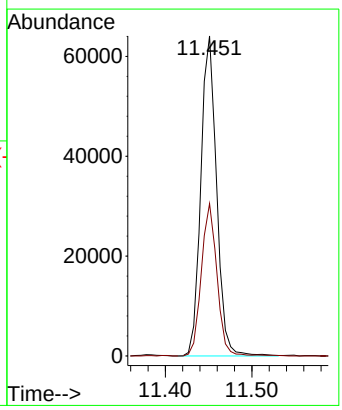


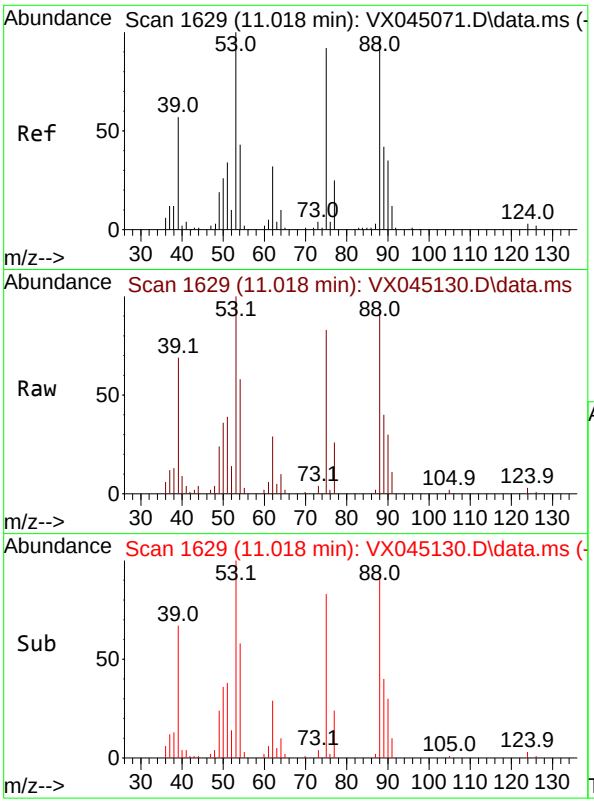


#80
1,3,5-Trimethylbenzene
Concen: 18.707 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:105 Resp: 81071

Ion	Ratio	Lower	Upper
105	100		
120	47.2	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 16.241 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 75 Resp: 758

Ion	Ratio	Lower	Upper
75	100		
53	129.1	88.5	132.7
89	47.1	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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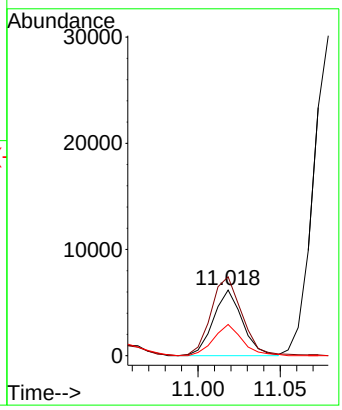
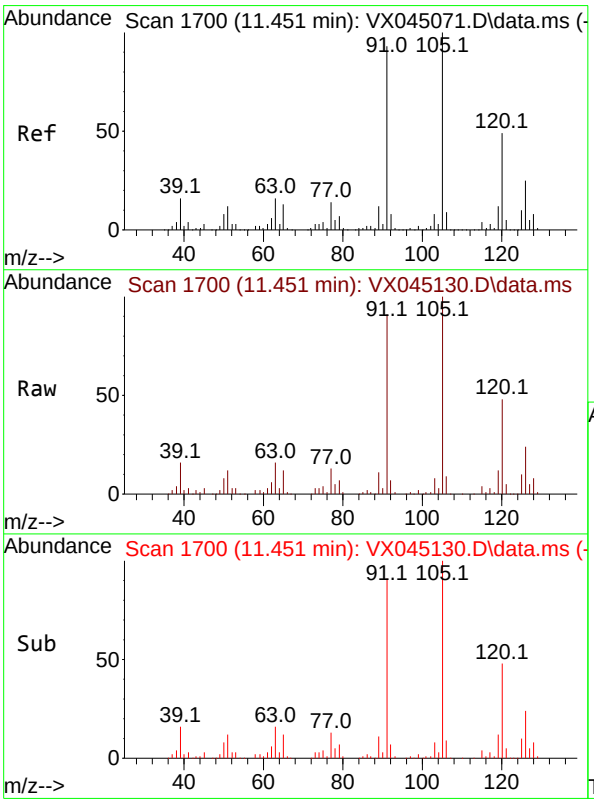
Supervised By :Mahesh Dadoda 03/06/2025

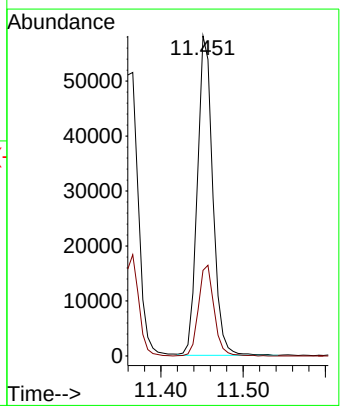


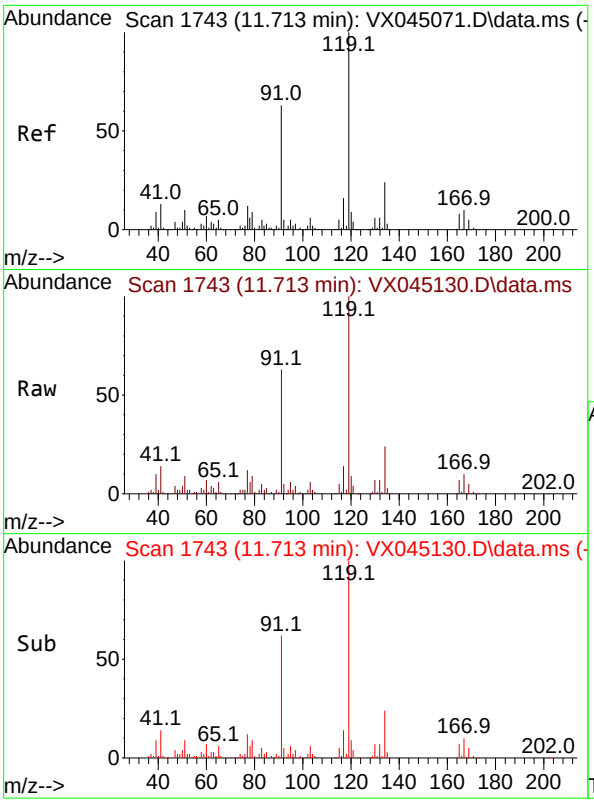


#82
4-Chlorotoluene
Concen: 18.001 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 91 Resp: 75650

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.1	42.4

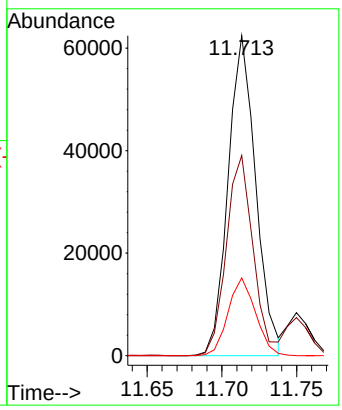




#83
tert-Butylbenzene
Concen: 18.004 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:119 Resp: 8017

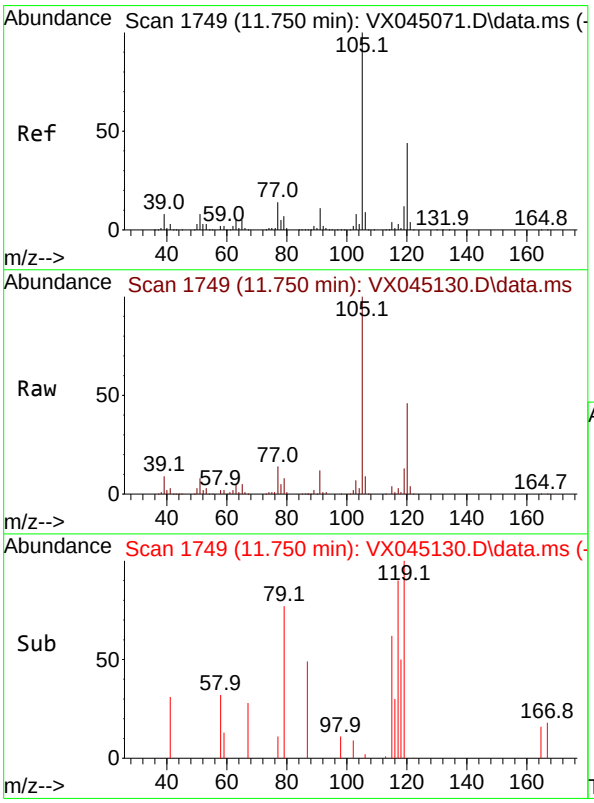
Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.7	92.1
134	24.2	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
APPROVED

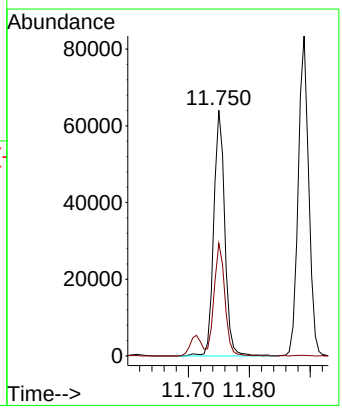
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

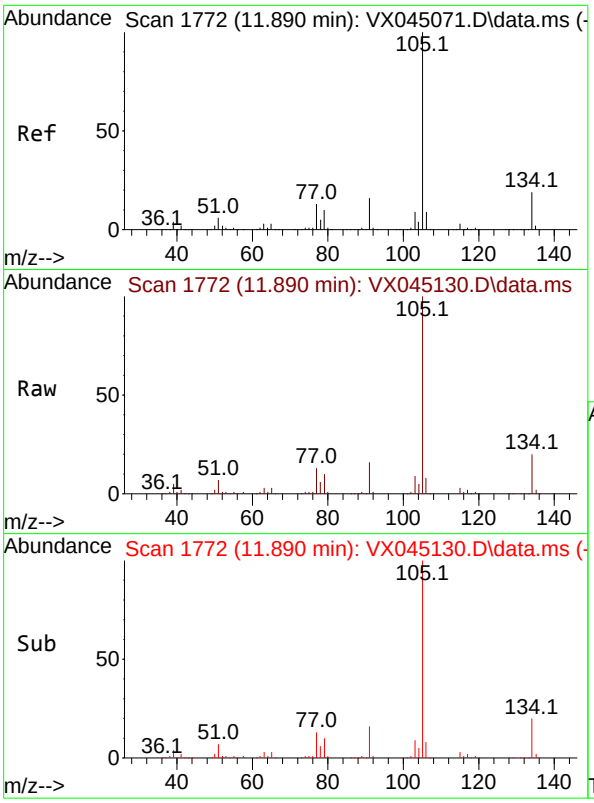


#84
1,2,4-Trimethylbenzene
Concen: 18.462 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:105 Resp: 80507

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.1	66.1

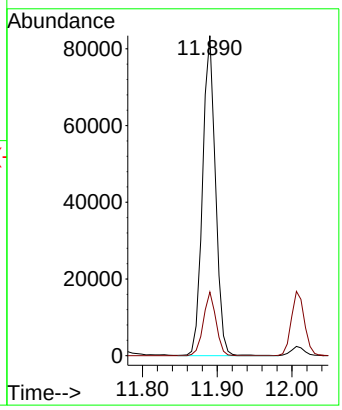




#85
sec-Butylbenzene
Concen: 18.757 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:105 Resp: 10005

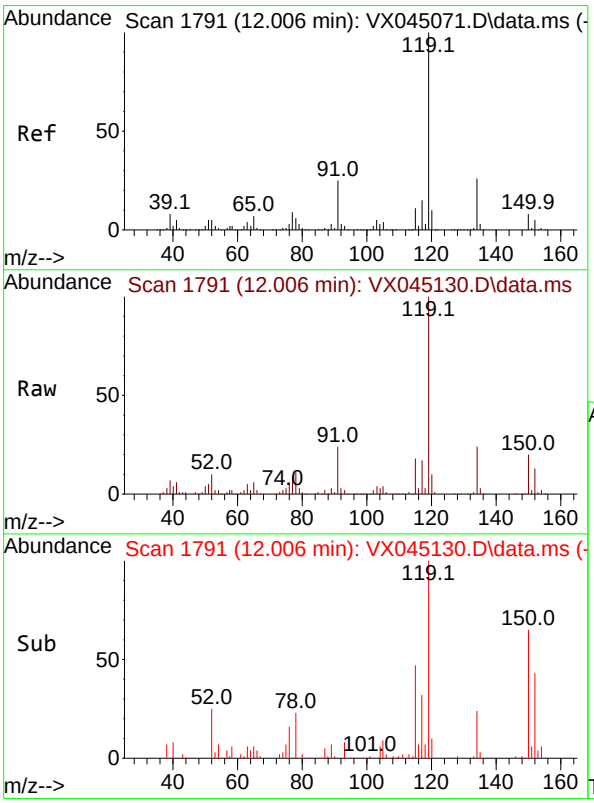
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
APPROVED

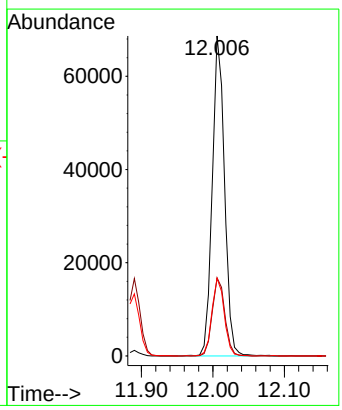
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

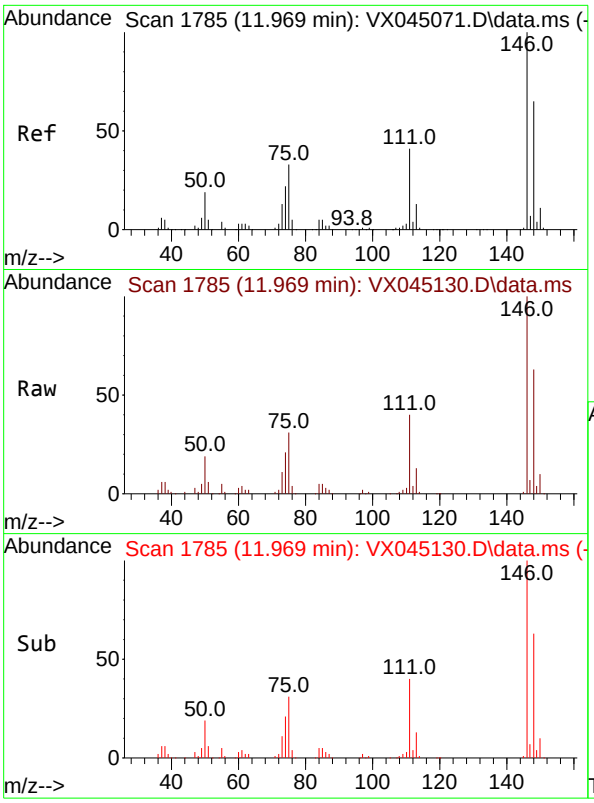


#86
p-Isopropyltoluene
Concen: 18.957 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:119 Resp: 81717

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.9	38.6
91	24.5	12.7	38.0





#87
1,3-Dichlorobenzene
Concen: 18.360 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

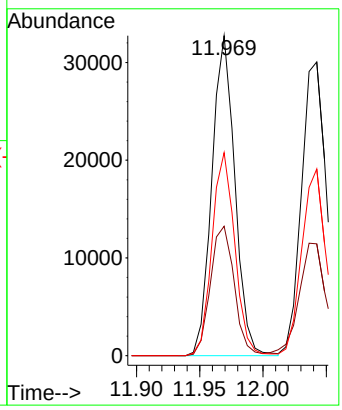
Tgt Ion:146 Resp: 4142

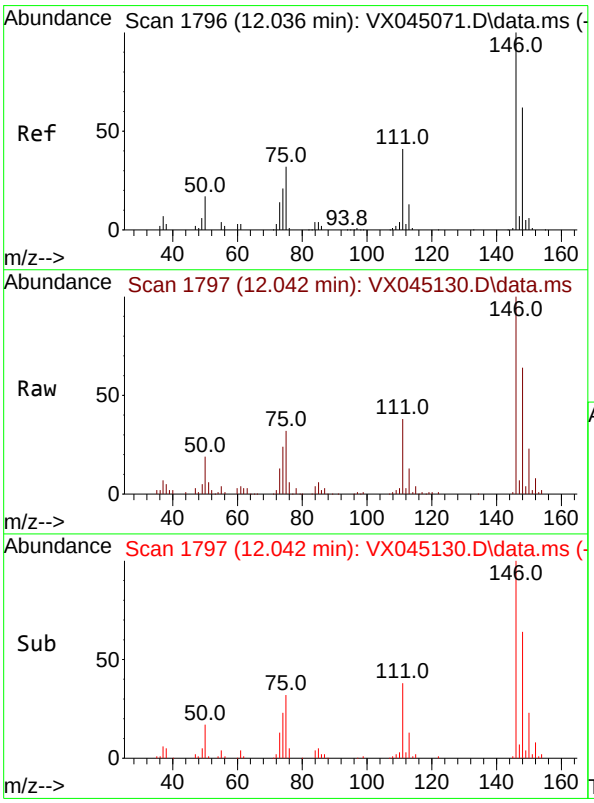
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.4
148	62.9	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

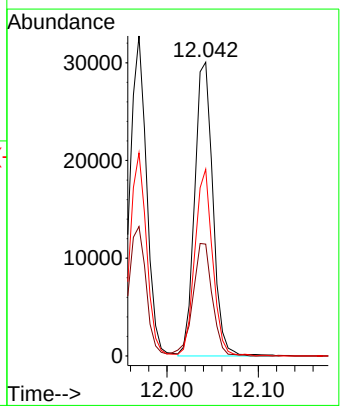


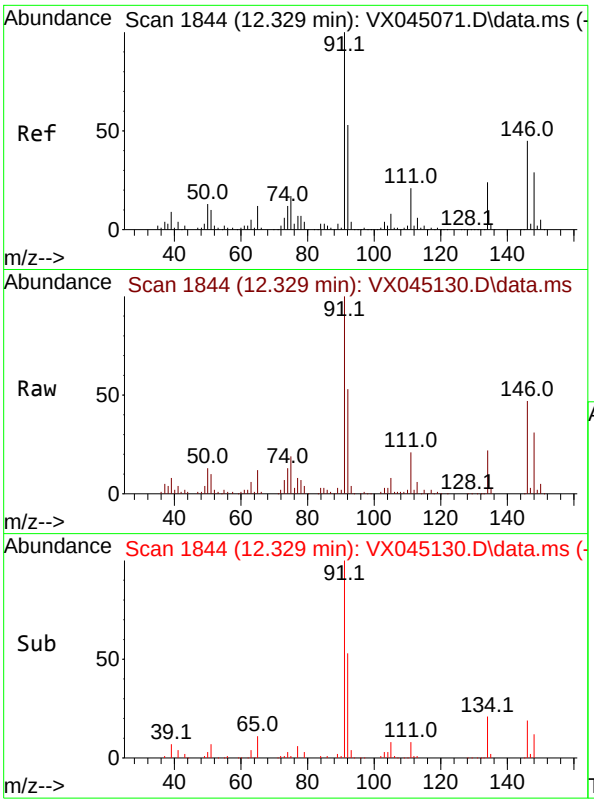


#88
1,4-Dichlorobenzene
Concen: 18.237 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:146 Resp: 41624

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.2	60.5
148	61.9	31.9	95.9

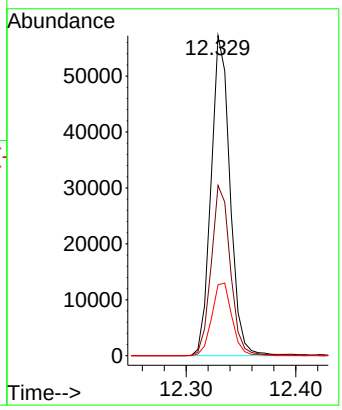




#89
n-Butylbenzene
Concen: 18.510 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 91 Resp: 6872

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	24.2	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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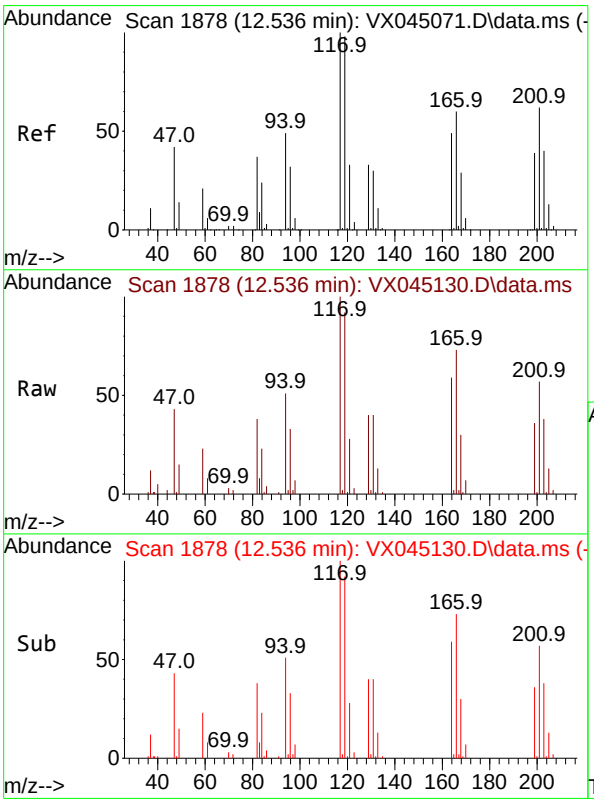
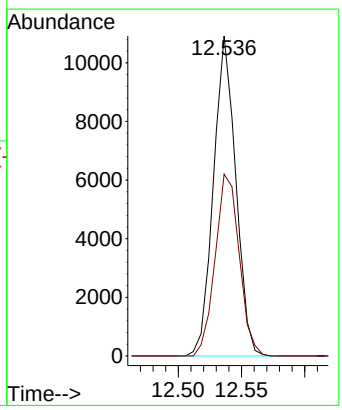
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

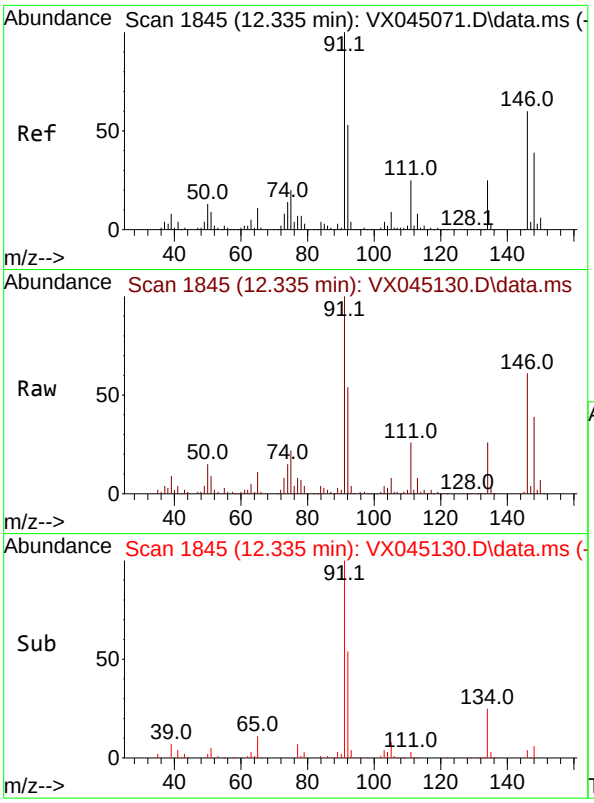


#90
Hexachloroethane
Concen: 17.133 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:117 Resp: 13358

Ion	Ratio	Lower	Upper
117	100		
201	61.3	31.9	95.9

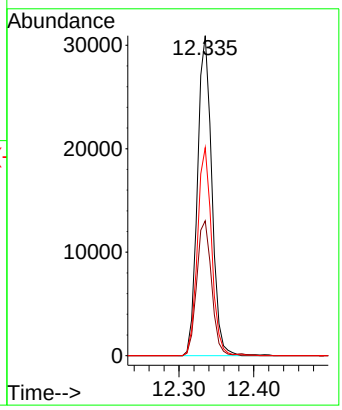




#91
1,2-Dichlorobenzene
Concen: 18.196 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:146 Resp: 4117

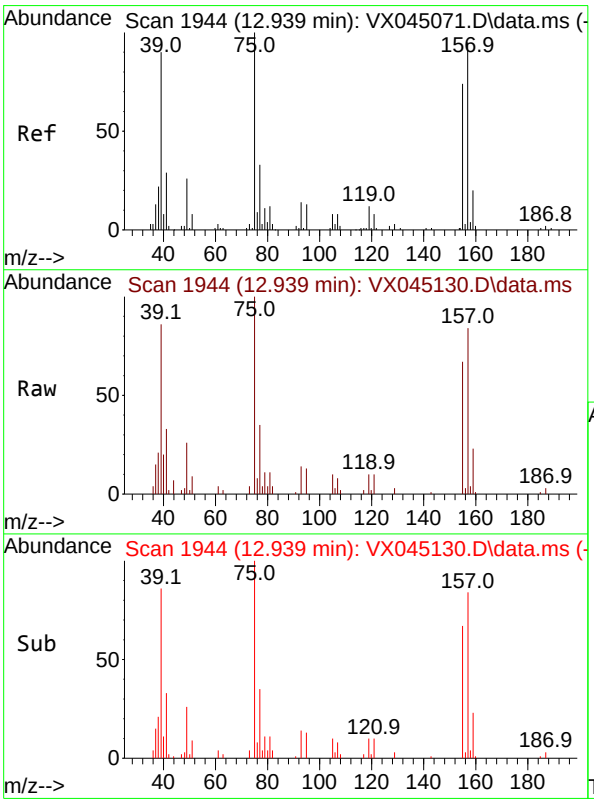
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	65.0
148	64.3	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
APPROVED

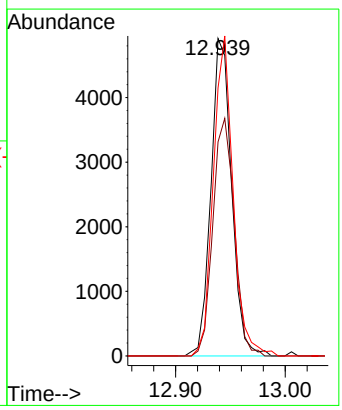
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

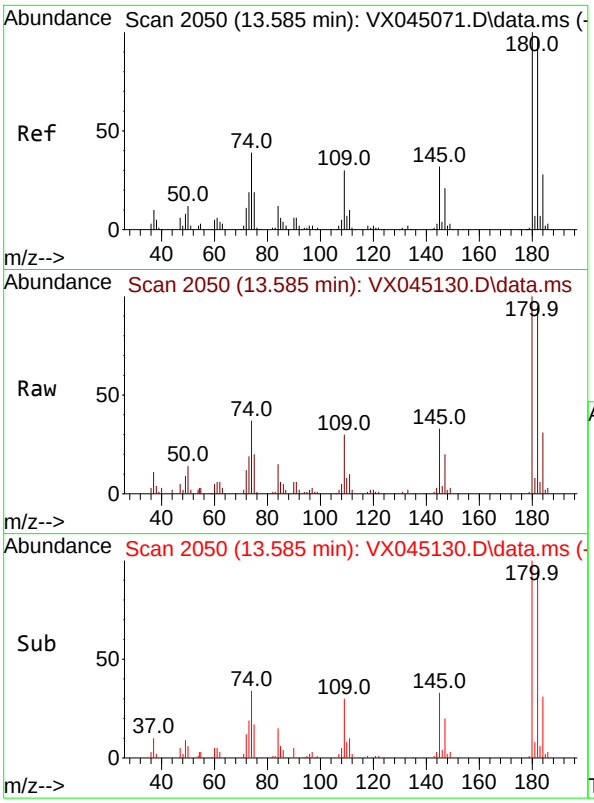


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.822 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 75 Resp: 6446

Ion	Ratio	Lower	Upper
75	100		
155	77.6	39.6	118.7
157	96.4	51.1	153.4

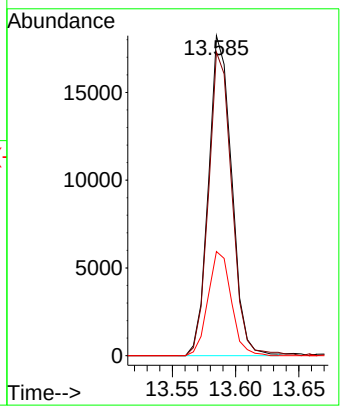




#93
1,2,4-Trichlorobenzene
Concen: 18.020 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:180 Resp: 2322

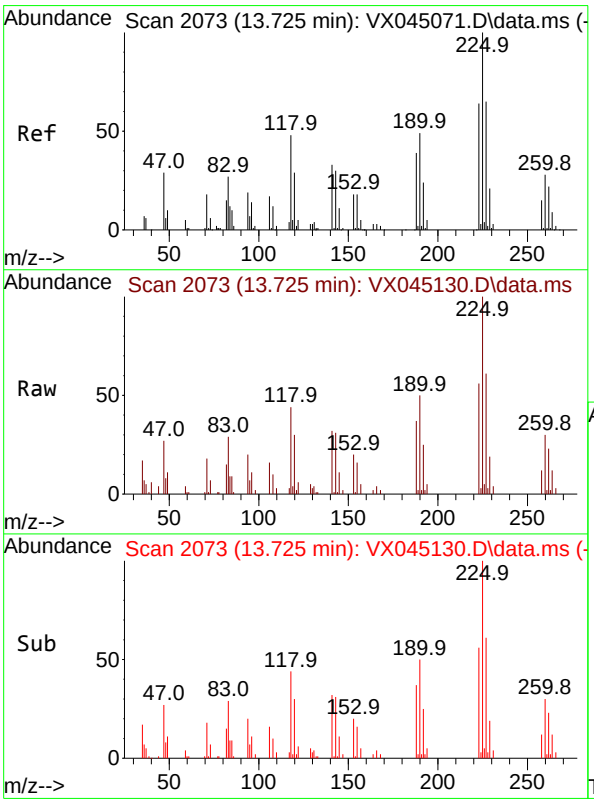
Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.9
145	32.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
APPROVED

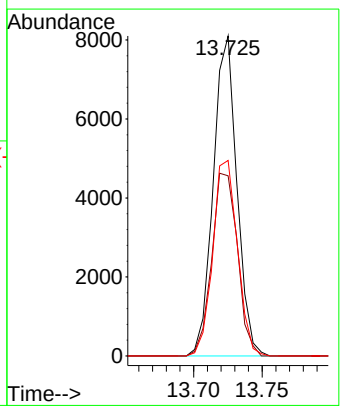
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

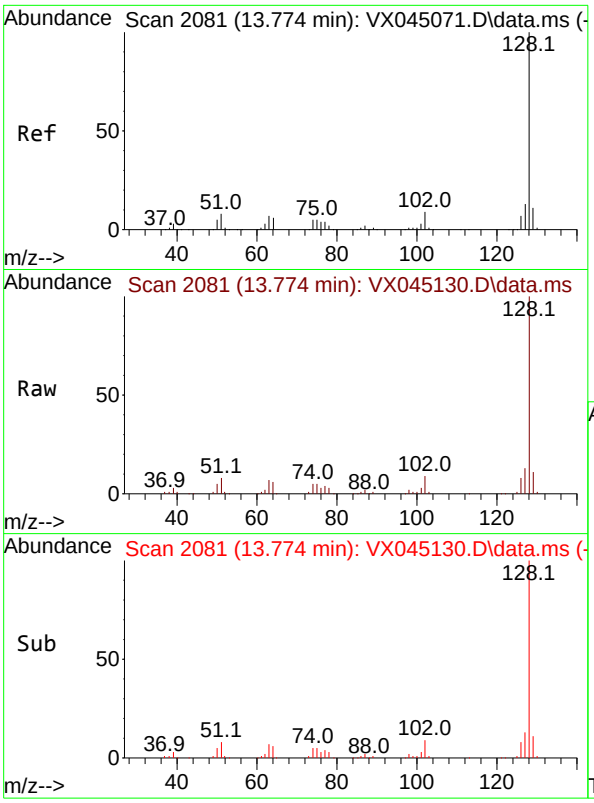


#94
Hexachlorobutadiene
Concen: 18.359 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:225 Resp: 9699

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.7
227	63.7	31.4	94.0

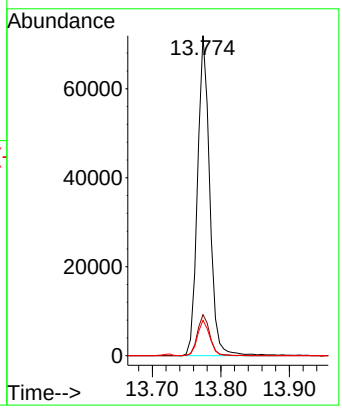




#95
Naphthalene
Concen: 18.028 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:128 Resp: 8925

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.2	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
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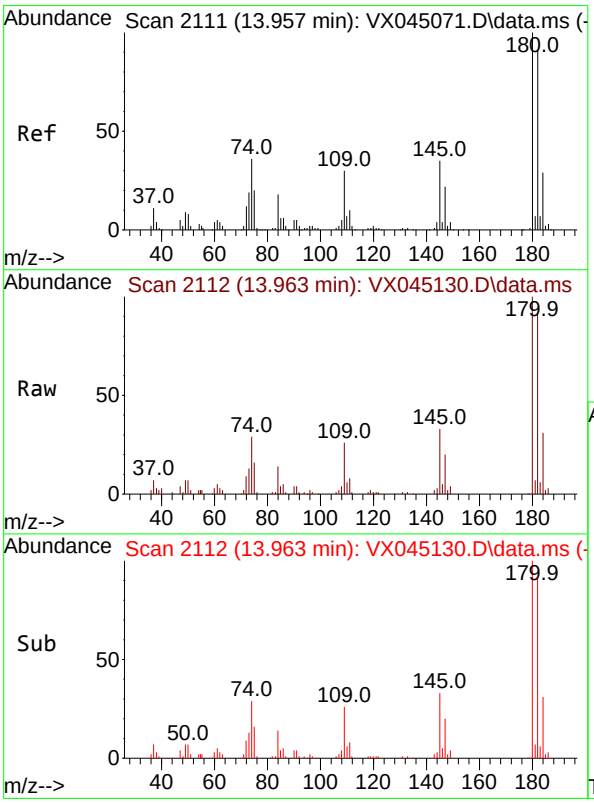
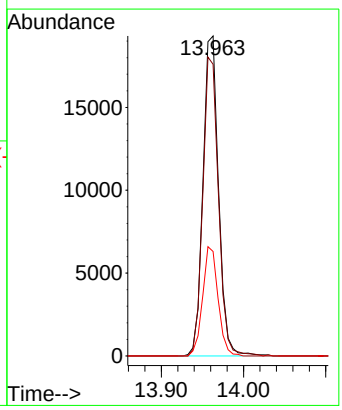


#96
1,2,3-Trichlorobenzene
Concen: 18.688 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:180 Resp: 25405

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.5	142.6
145	33.8	17.0	50.9



Raw Data: **VX045158.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0306WBS01	SDG No.:	Q1488
Lab Sample ID:	VX0306WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045158.D	1		03/06/25 11:10	VX030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.7		0.21	1.00	ug/L
74-87-3	Chloromethane	19.1		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	19.4		0.34	1.00	ug/L
74-83-9	Bromomethane	18.9		1.40	5.00	ug/L
75-00-3	Chloroethane	17.4		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	23.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.3		0.26	1.00	ug/L
67-64-1	Acetone	98.2		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.5		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.1		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	22.0		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	22.1		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	18.1		0.18	1.00	ug/L
67-66-3	Chloroform	21.2		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.1		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	22.9		0.19	1.00	ug/L
71-43-2	Benzene	21.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.8		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.0		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L
108-88-3	Toluene	21.8		0.18	1.00	ug/L

Raw Data: **VX045158.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0306WBS01	SDG No.:	Q1488
Lab Sample ID:	VX0306WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045158.D	1		03/06/25 11:10	VX030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.4		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.2		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.3		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	22.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	21.6		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	21.7		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	44.0		0.31	2.00	ug/L
95-47-6	o-Xylene	21.5		0.14	1.00	ug/L
100-42-5	Styrene	21.7		0.16	1.00	ug/L
75-25-2	Bromoform	19.4		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	21.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.8		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.8		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.7		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.1		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.4		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	21.2		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	21.6		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	97100	5.544			
540-36-3	1,4-Difluorobenzene	176000	6.757			
3114-55-4	Chlorobenzene-d5	148000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	67100	12.024			

Raw Data: **VX045158.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0306WBS01	SDG No.:	Q1488
Lab Sample ID:	VX0306WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045158.D	1		03/06/25 11:10	VX030625

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_X\Data\VX030625\
Data File : VX045158.D
Acq On : 06 Mar 2025 11:10
Operator : JC/MD
Sample : VX0306WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 00:37:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	97102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	175752	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77517	50.187	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.380%			
35) Dibromofluoromethane	5.385	113	59755	50.846	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.700%			
50) Toluene-d8	8.647	98	214149	50.263	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.520%			
62) 4-Bromofluorobenzene	11.079	95	69431	49.179	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25313	20.710	ug/l	96
3) Chloromethane	1.307	50	28610	19.127	ug/l	99
4) Vinyl Chloride	1.374	62	28735	19.365	ug/l	96
5) Bromomethane	1.593	94	11051	18.945	ug/l	98
6) Chloroethane	1.660	64	11910	17.401	ug/l	94
7) Trichlorofluoromethane	1.861	101	41329	21.039	ug/l	98
8) Diethyl Ether	2.136	74	15031	19.563	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.312	101	25913	22.961	ug/l	99
10) Methyl Iodide	2.440	142	28535	20.232	ug/l	97
11) Tert butyl alcohol	2.995	59	24878	85.035	ug/l	99
12) 1,1-Dichloroethene	2.306	96	25437	21.319	ug/l	96
13) Acrolein	2.239	56	32240	95.330	ug/l	97
14) Allyl chloride	2.654	41	45464	21.406	ug/l	99
15) Acrylonitrile	3.068	53	80620	102.818	ug/l	100
16) Acetone	2.392	43	70356	98.177	ug/l	100
17) Carbon Disulfide	2.495	76	56434	17.758	ug/l	100
18) Methyl Acetate	2.709	43	38789	22.500	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	83027	20.741	ug/l	98
20) Methylene Chloride	2.782	84	28513	20.086	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	25882	21.957	ug/l	92
22) Diisopropyl ether	3.763	45	92263	21.360	ug/l	92
23) Vinyl Acetate	3.721	43	379422	105.258	ug/l	99
24) 1,1-Dichloroethane	3.605	63	50777	20.975	ug/l	99
25) 2-Butanone	4.568	43	112114	103.935	ug/l	100
26) 2,2-Dichloropropane	4.464	77	31636	27.861	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	30793	21.161	ug/l	95
28) Bromochloromethane	4.897	49	20937	18.145	ug/l	98
29) Tetrahydrofuran	5.007	42	72574	100.185	ug/l	99
30) Chloroform	5.092	83	50960	21.186	ug/l	100
31) Cyclohexane	5.458	56	46499	22.128	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	40911	21.059	ug/l	98
36) 1,1-Dichloropropene	5.684	75	34442	21.370	ug/l	99
37) Ethyl Acetate	4.714	43	41415	19.942	ug/l	100
38) Carbon Tetrachloride	5.672	117	33530	20.492	ug/l	98
39) Methylcyclohexane	7.372	83	44224	22.900	ug/l	97
40) Benzene	6.031	78	109500	21.516	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045158.D
Acq On : 06 Mar 2025 11:10
Operator : JC/MD
Sample : VX0306WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 00:37:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	23322	20.769	ug/l		99
42) 1,2-Dichloroethane	6.086	62	39213	21.397	ug/l		100
43) Isopropyl Acetate	6.342	43	62094	20.220	ug/l		100
44) Trichloroethene	7.123	130	24906	20.842	ug/l		97
45) 1,2-Dichloropropane	7.427	63	27481	21.002	ug/l		99
46) Dibromomethane	7.580	93	19832	21.443	ug/l		98
47) Bromodichloromethane	7.818	83	37772	20.821	ug/l		97
48) Methyl methacrylate	7.696	41	31277	20.301	ug/l		98
49) 1,4-Dioxane	7.665	88	13860	426.482	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	215309	104.420	ug/l		99
52) Toluene	8.714	92	65138	21.814	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30950	20.407	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	37460	21.182	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	24854	20.219	ug/l		97
56) Ethyl methacrylate	9.116	69	37529	20.084	ug/l		97
57) 1,3-Dichloropropane	9.305	76	43951	20.660	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	89701	98.410	ug/l		99
59) 2-Hexanone	9.433	43	158142	105.853	ug/l		99
60) Dibromochloromethane	9.518	129	25020	19.466	ug/l		99
61) 1,2-Dibromoethane	9.610	107	24964	20.343	ug/l		100
64) Tetrachloroethene	9.268	164	21040	22.233	ug/l		91
65) Chlorobenzene	10.079	112	67652	21.638	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	21012	20.181	ug/l		97
67) Ethyl Benzene	10.189	91	118147	21.687	ug/l		99
68) m/p-Xylenes	10.299	106	87720	43.986	ug/l		99
69) o-Xylene	10.640	106	43323	21.539	ug/l		99
70) Styrene	10.652	104	70623	21.700	ug/l		99
71) Bromoform	10.799	173	15238	19.408	ug/l	#	100
73) Isopropylbenzene	10.963	105	111617	21.304	ug/l		100
74) N-amyl acetate	10.841	43	50220	20.428	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	39941	20.775	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	31293m	20.030	ug/l		
77) Bromobenzene	11.195	156	25608	20.716	ug/l		100
78) n-propylbenzene	11.305	91	126790	21.423	ug/l		100
79) 2-Chlorotoluene	11.360	91	77393	20.533	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	91126	21.511	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	7740	16.954	ug/l	#	82
82) 4-Chlorotoluene	11.451	91	87322	21.257	ug/l		99
83) tert-Butylbenzene	11.713	119	91061	20.921	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	91832	21.544	ug/l		100
85) sec-Butylbenzene	11.890	105	112914	21.656	ug/l		100
86) p-Isopropyltoluene	12.006	119	90968	21.589	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	45783	20.761	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	46189	20.703	ug/l		97
89) n-Butylbenzene	12.329	91	79568	21.925	ug/l		99
90) Hexachloroethane	12.536	117	14633	19.200	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	46647	21.087	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7641	20.400	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	26728	21.219	ug/l		99
94) Hexachlorobutadiene	13.725	225	11477	22.224	ug/l		96
95) Naphthalene	13.774	128	102859	21.254	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	28765	21.647	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045158.D
Acq On : 06 Mar 2025 11:10
Operator : JC/MD
Sample : VX0306WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

Quant Time: Mar 07 00:37:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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_X\Data\VX030625\
Data File : VX045158.D
Acq On : 06 Mar 2025 11:10
Operator : JC/MD
Sample : VX0306WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 00:37:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations APPROVED

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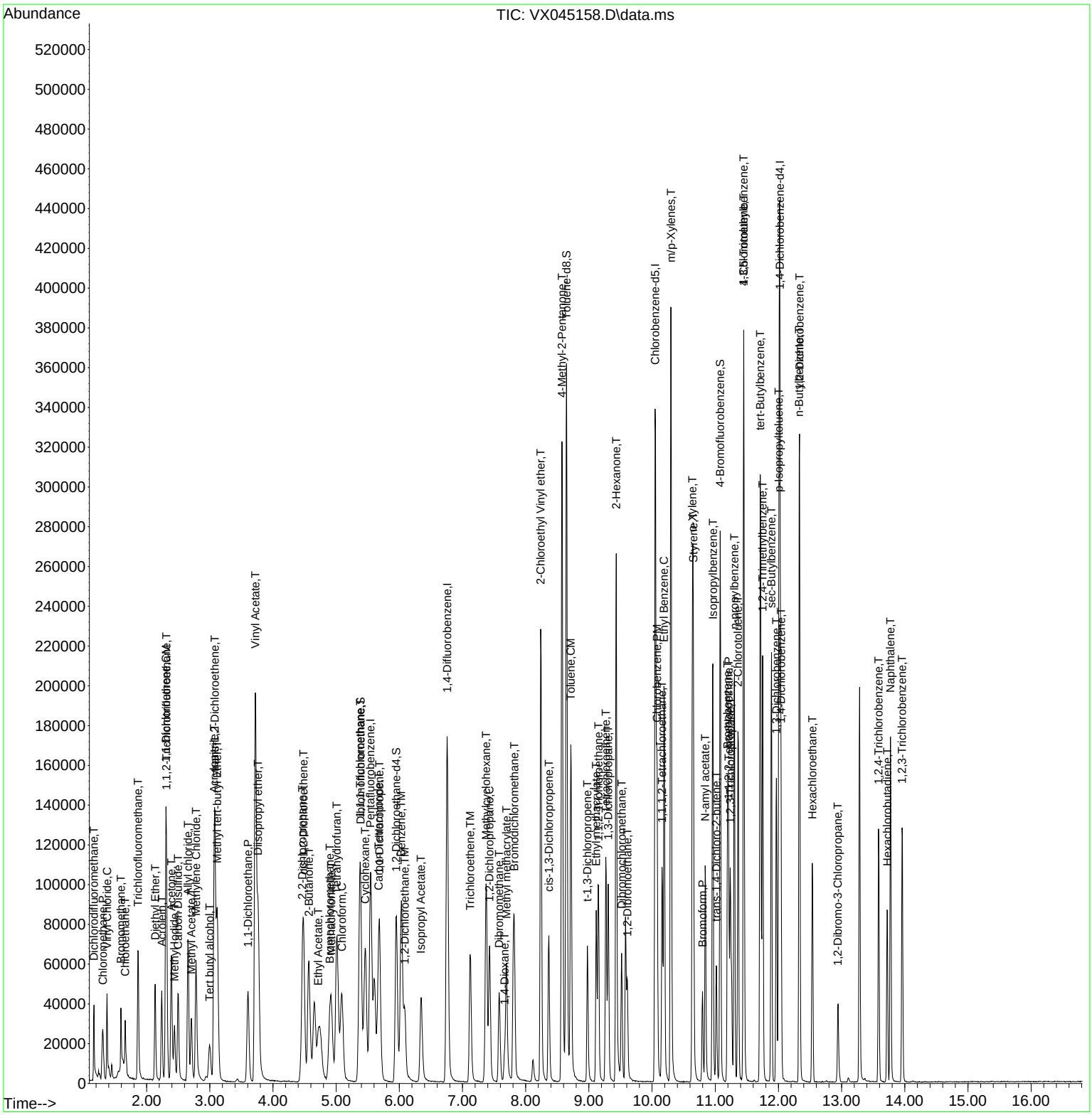
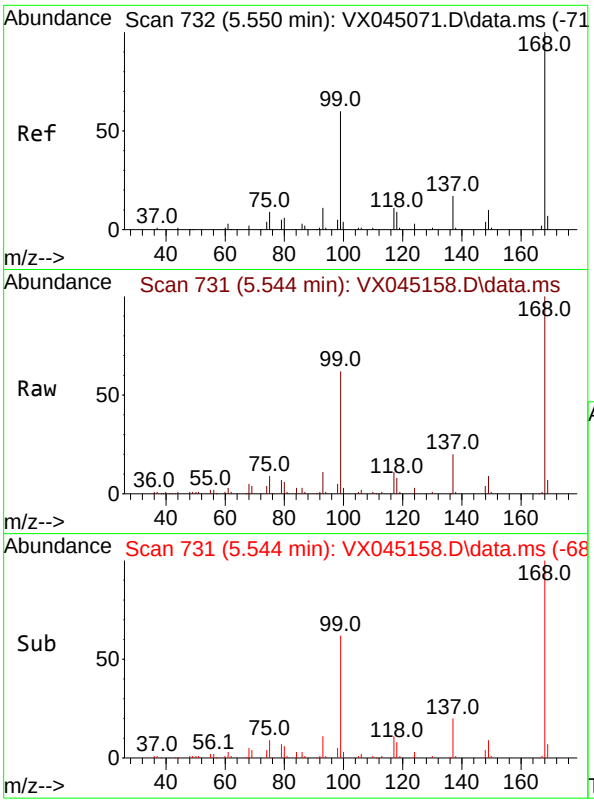
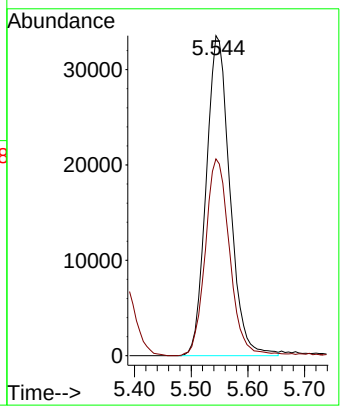




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:168 Resp: 9710

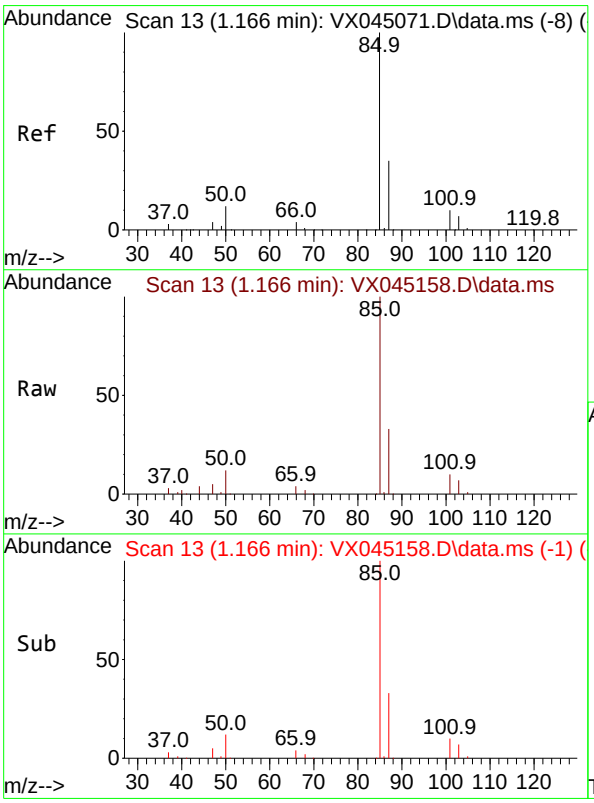
Ion	Ratio	Lower	Upper
168	100		
99	61.5	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
APPROVED

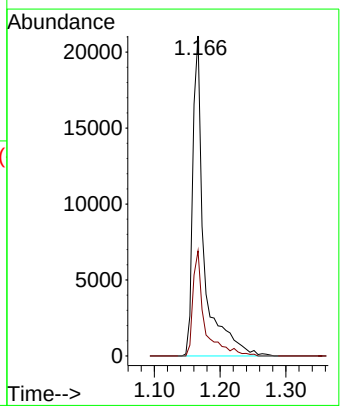
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

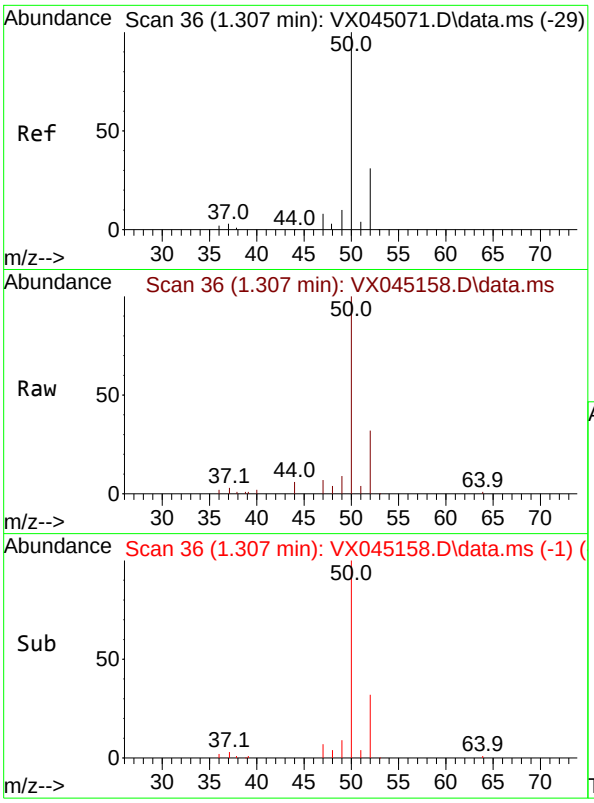


#2
Dichlorodifluoromethane
Concen: 20.710 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 85 Resp: 25313

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.4	52.3

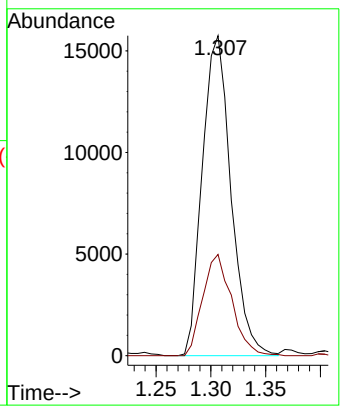




#3
Chloromethane
Concen: 19.127 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 50 Resp: 2861

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
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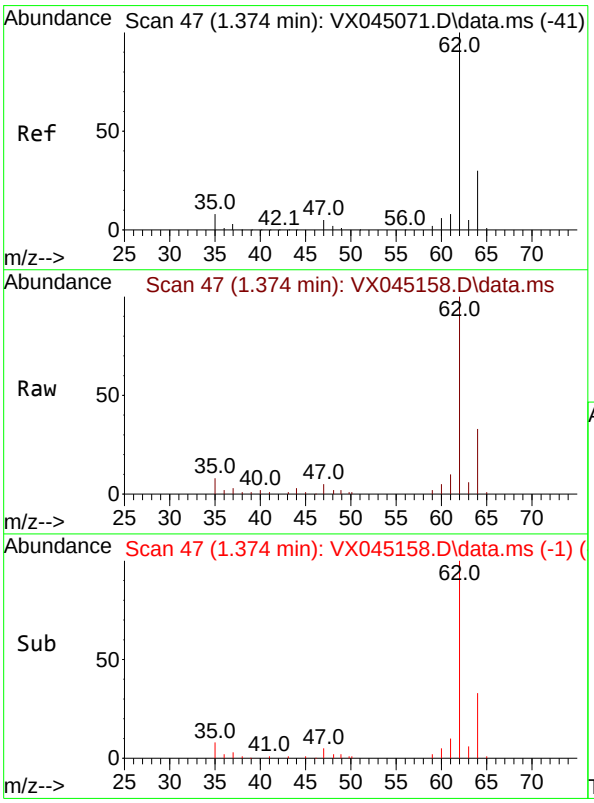
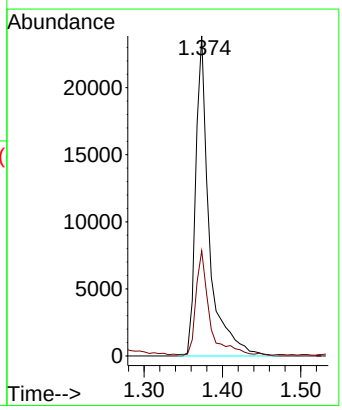
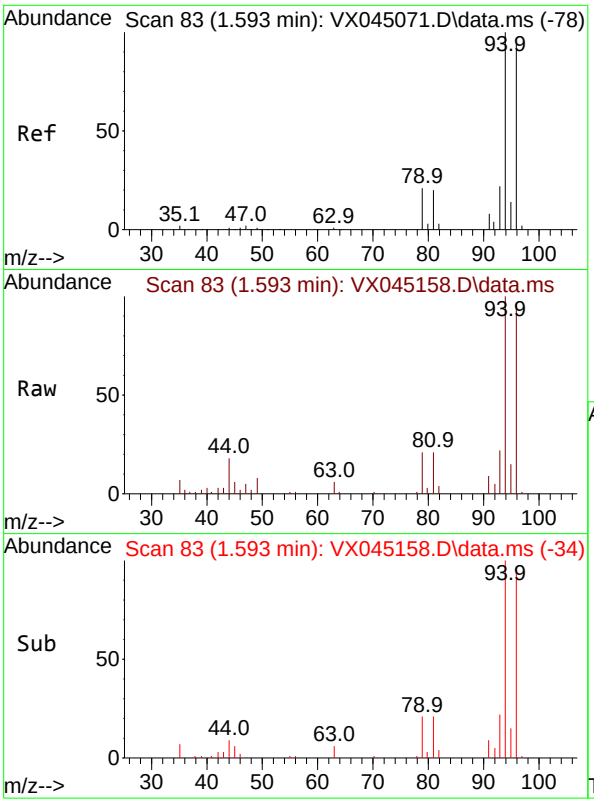


#4
Vinyl Chloride
Concen: 19.365 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 62 Resp: 28735

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5





#5
Bromomethane
Concen: 18.945 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

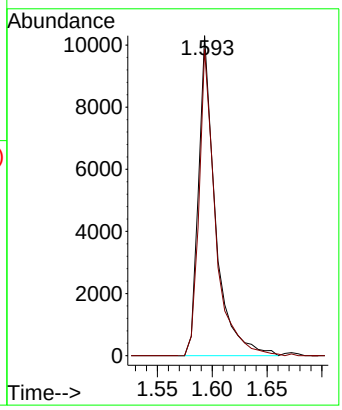
Tgt Ion: 94 Resp: 1105

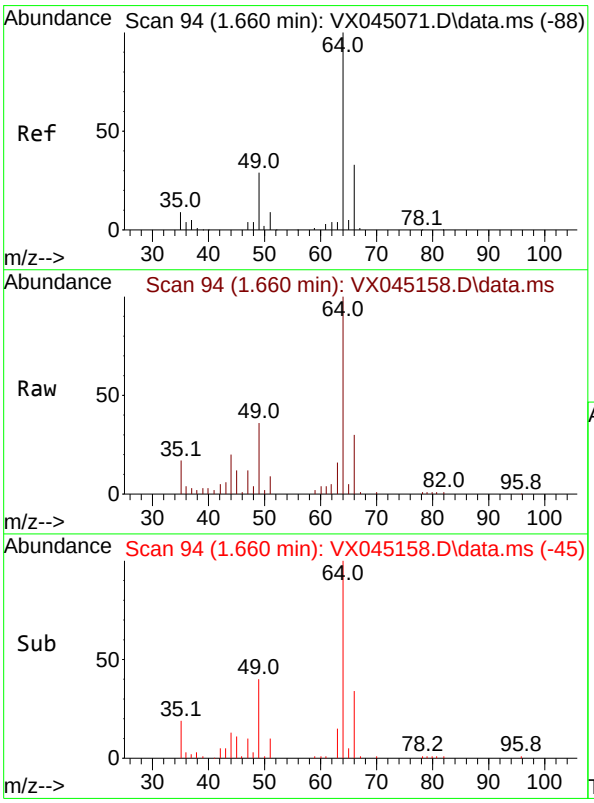
Ion	Ratio	Lower	Upper
94	100		
96	95.7	75.0	112.4

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

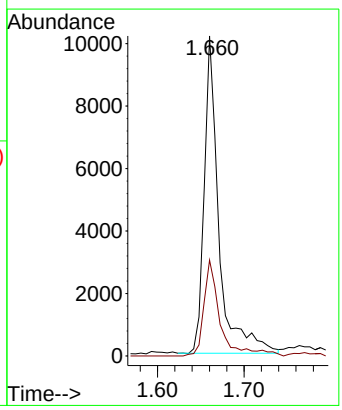


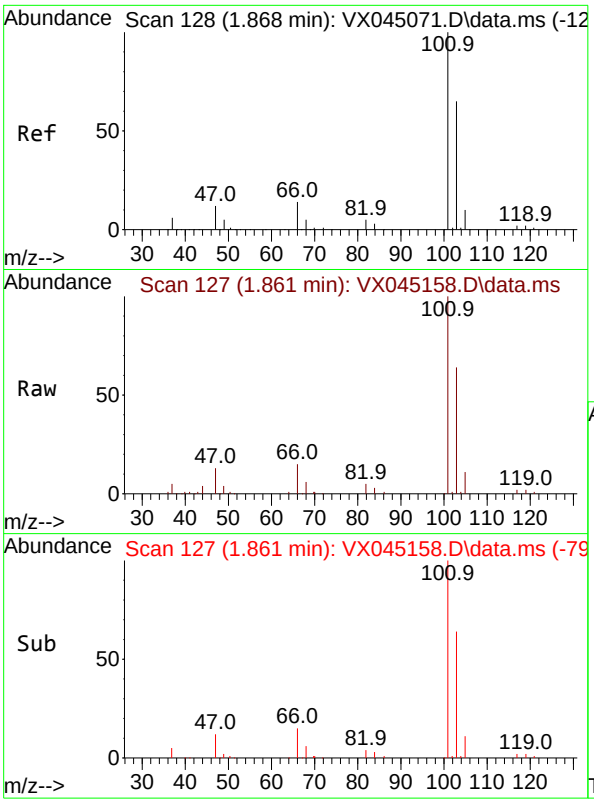


#6
Chloroethane
Concen: 17.401 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 64 Resp: 11910

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.7	40.1





#7
Trichlorofluoromethane
Concen: 21.039 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

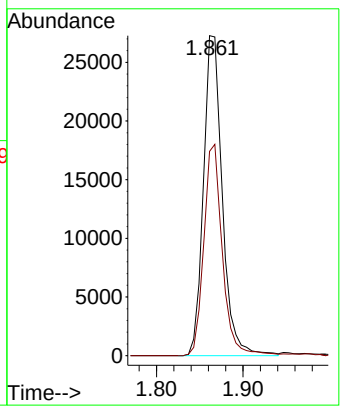
Tgt Ion:101 Resp: 4132

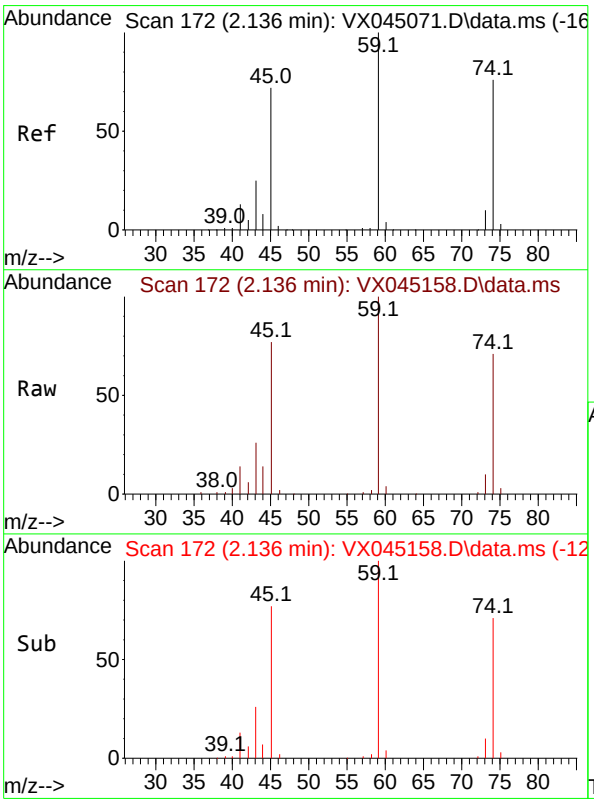
Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

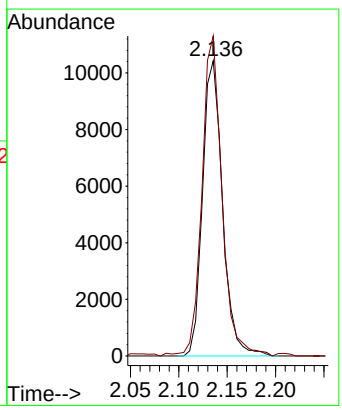


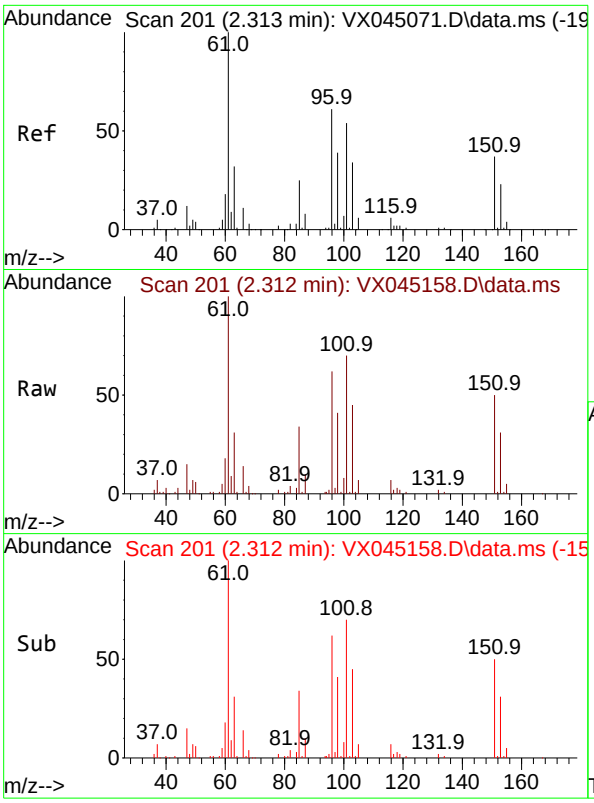


#8
Diethyl Ether
Concen: 19.563 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 74 Resp: 15031

Ion	Ratio	Lower	Upper
74	100		
45	108.5	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.961 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:101 Resp: 2591

Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.2	54.4
151	69.8	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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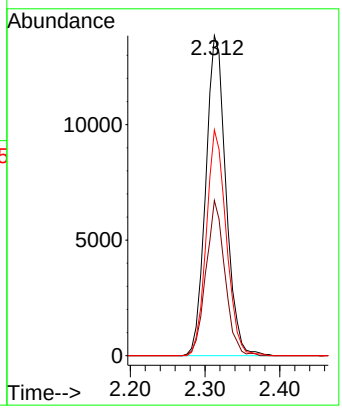
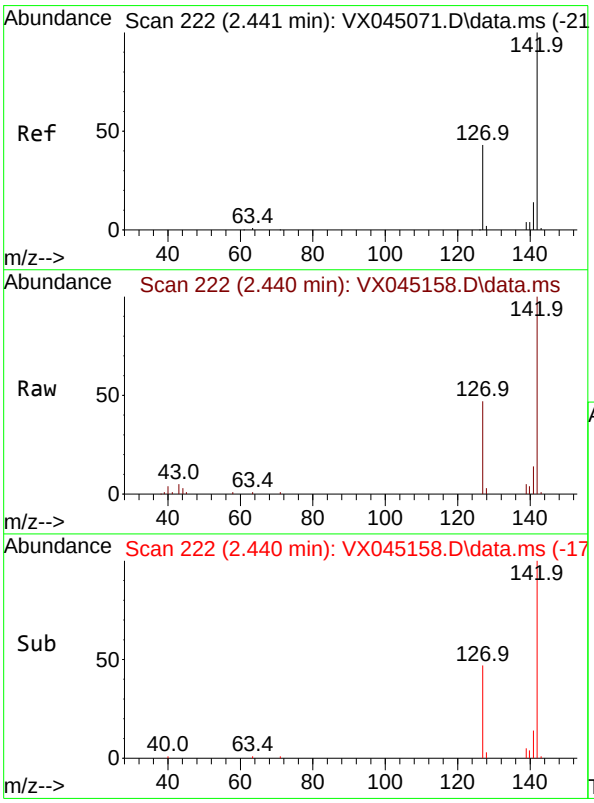
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

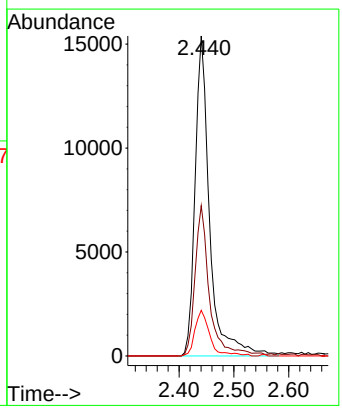


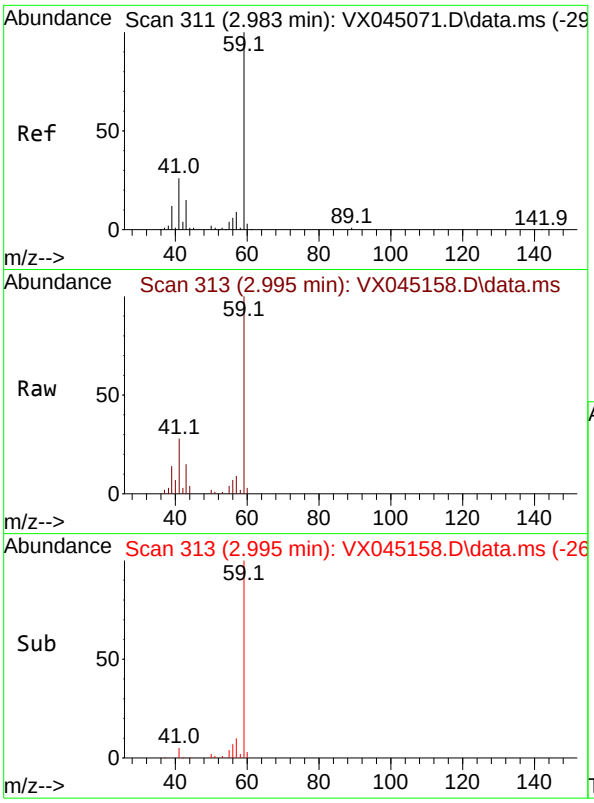


#10
Methyl Iodide
Concen: 20.232 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:142 Resp: 28535

Ion	Ratio	Lower	Upper
142	100		
127	46.5	35.4	53.2
141	14.5	11.6	17.4





#11
Tert butyl alcohol
Concen: 85.035 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 59 Resp: 2487

Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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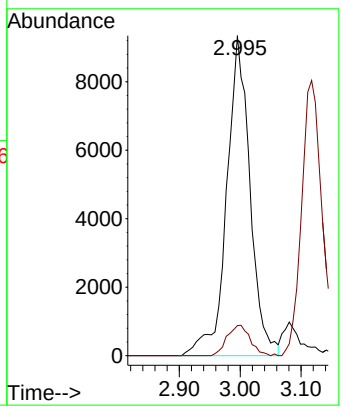
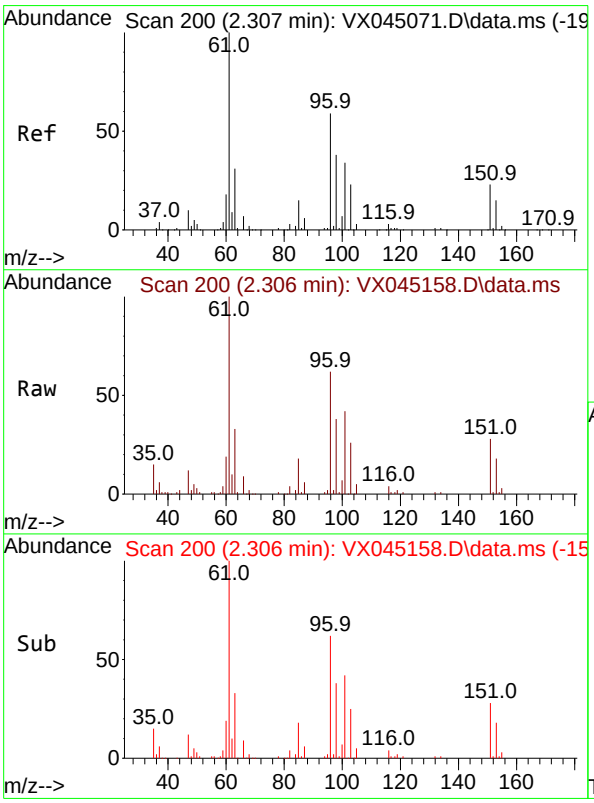
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

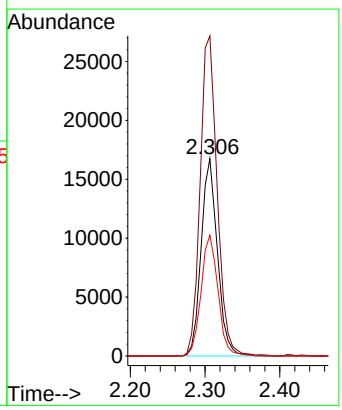


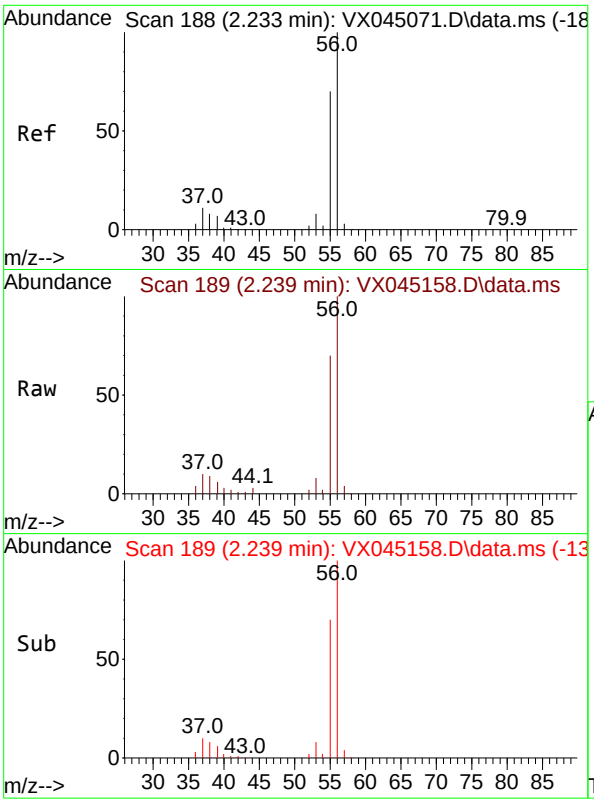


#12
1,1-Dichloroethene
Concen: 21.319 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 96 Resp: 25437

Ion	Ratio	Lower	Upper
96	100		
61	162.3	134.6	202.0
98	61.3	51.0	76.6





#13
Acrolein
Concen: 95.330 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 56 Resp: 3224

Ion	Ratio	Lower	Upper
56	100		
55	72.9	56.2	84.4

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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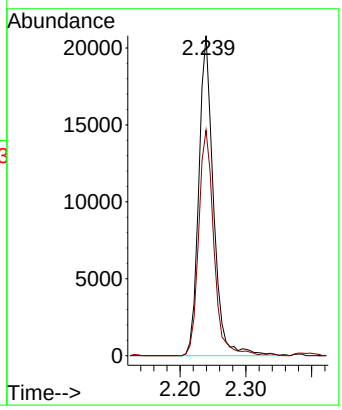
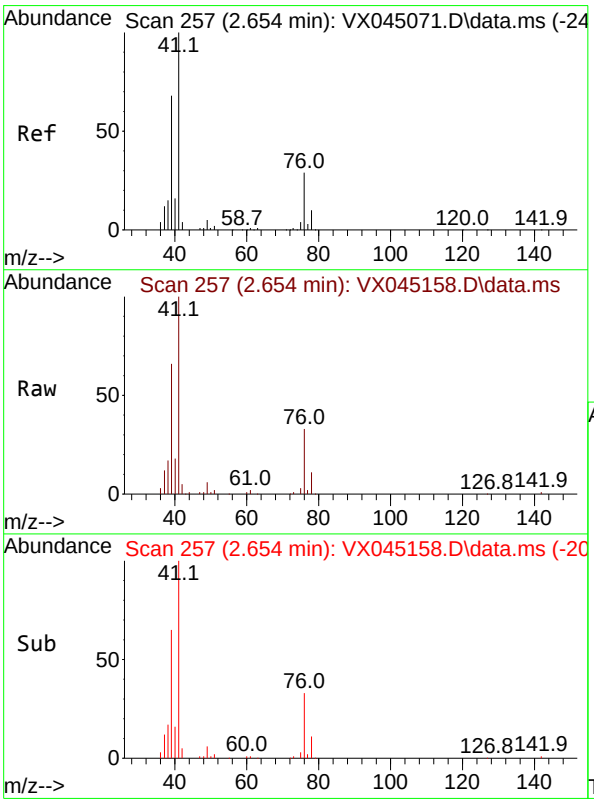
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

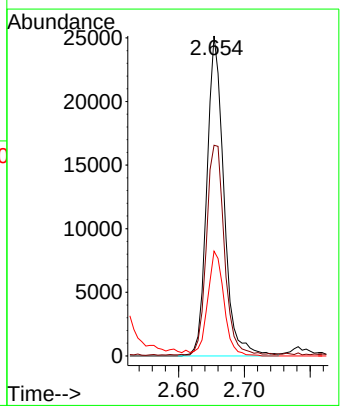


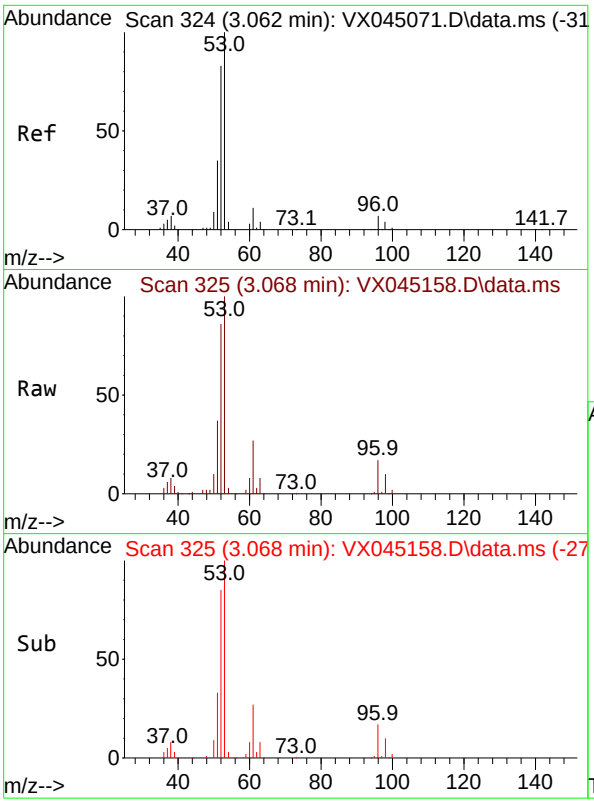


#14
Allyl chloride
Concen: 21.406 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 41 Resp: 45464

Ion	Ratio	Lower	Upper
41	100		
39	68.7	53.8	80.8
76	31.5	25.2	37.8





#15
Acrylonitrile
Concen: 102.818 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 53 Resp: 8062

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.2
51	35.7	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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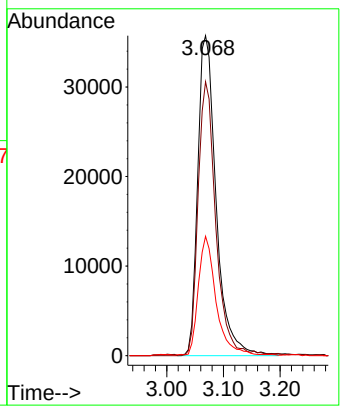
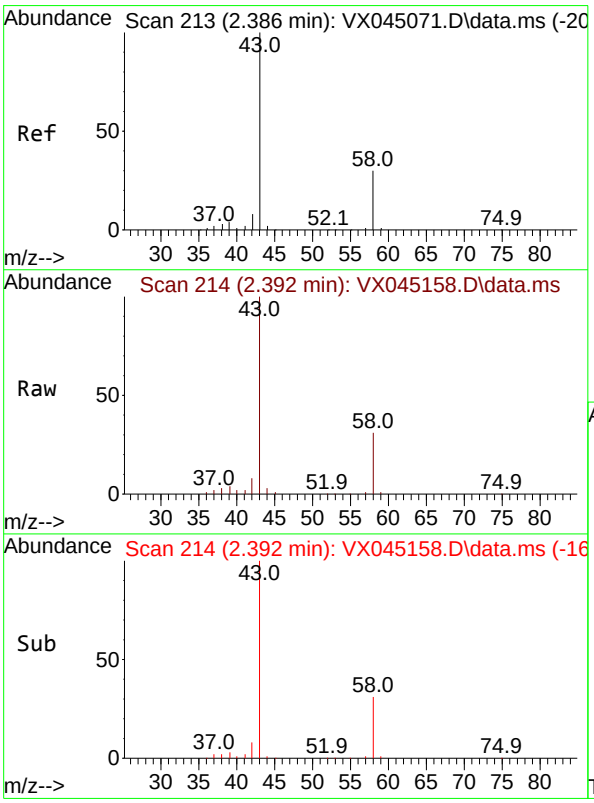
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

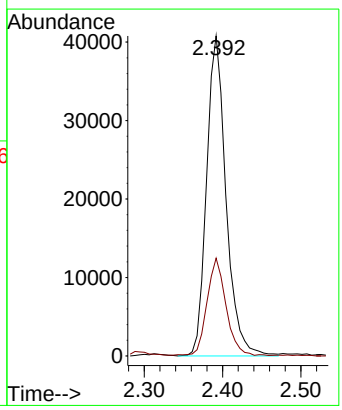


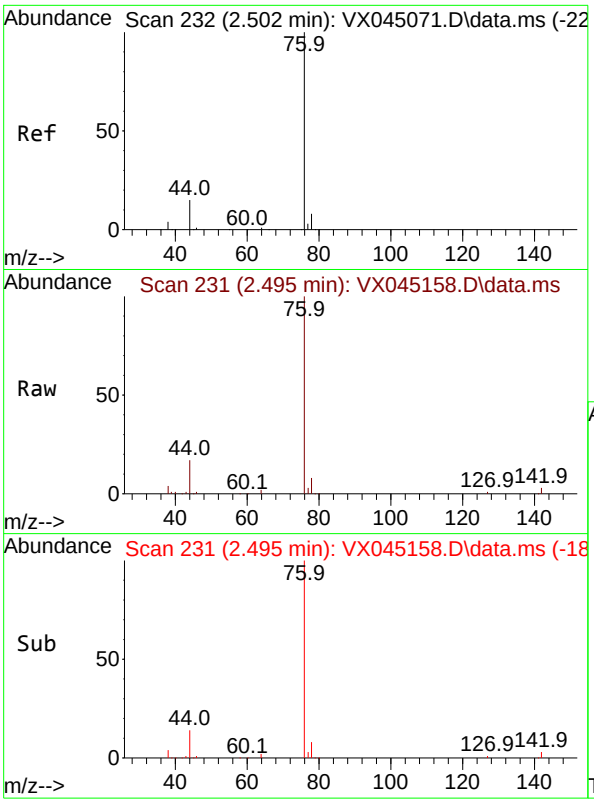


#16
Acetone
Concen: 98.177 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 43 Resp: 70356

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4

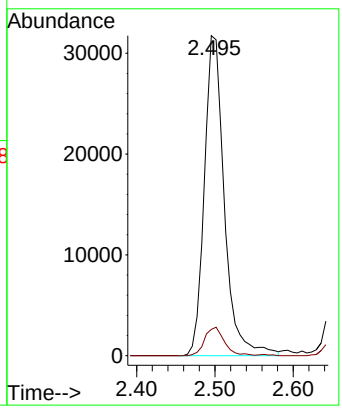




#17
Carbon Disulfide
Concen: 17.758 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 76 Resp: 5643

Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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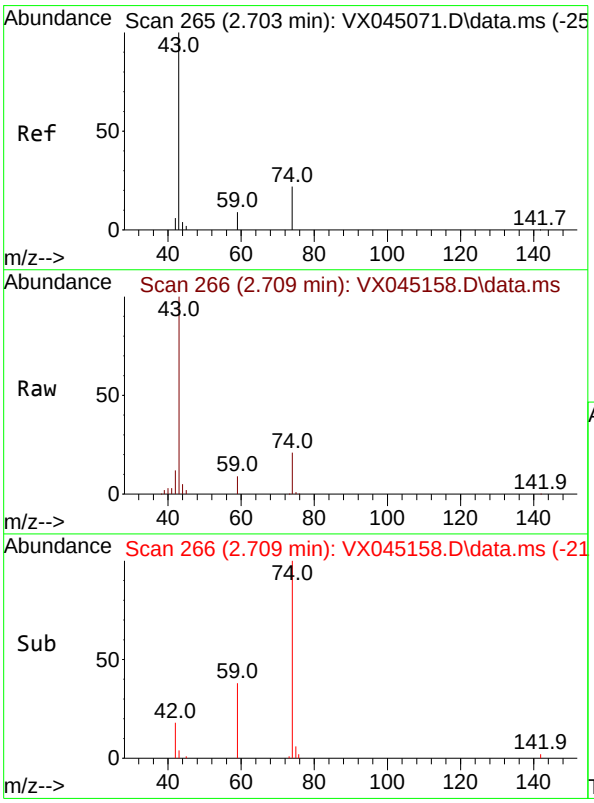
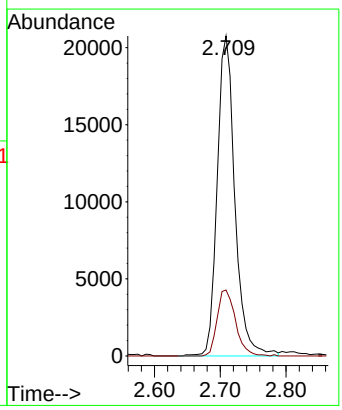
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

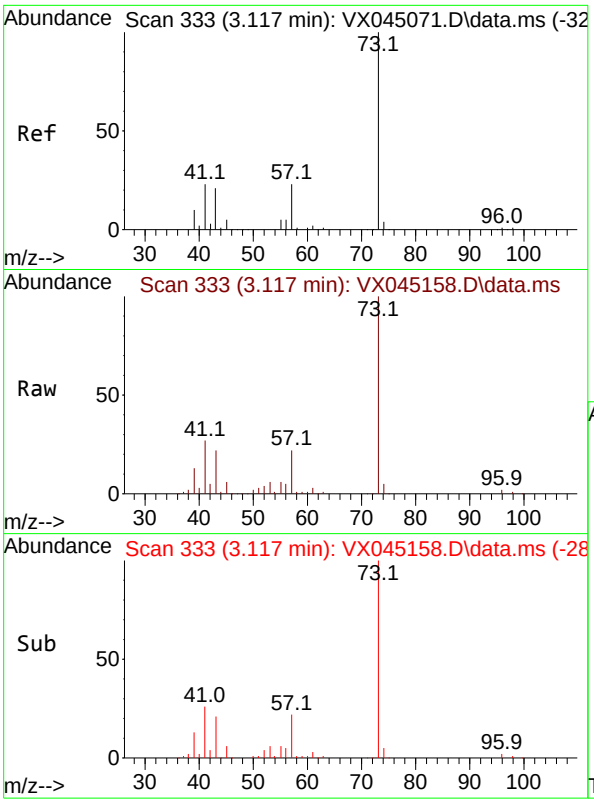


#18
Methyl Acetate
Concen: 22.500 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 43 Resp: 38789

Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.4	26.2

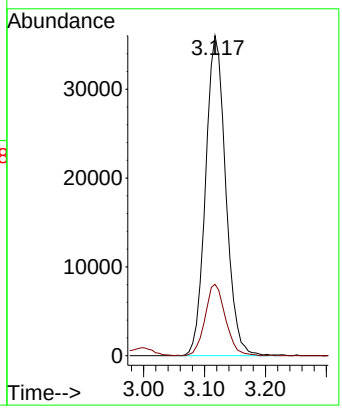




#19
Methyl tert-butyl Ether
Concen: 20.741 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 73 Resp: 8302

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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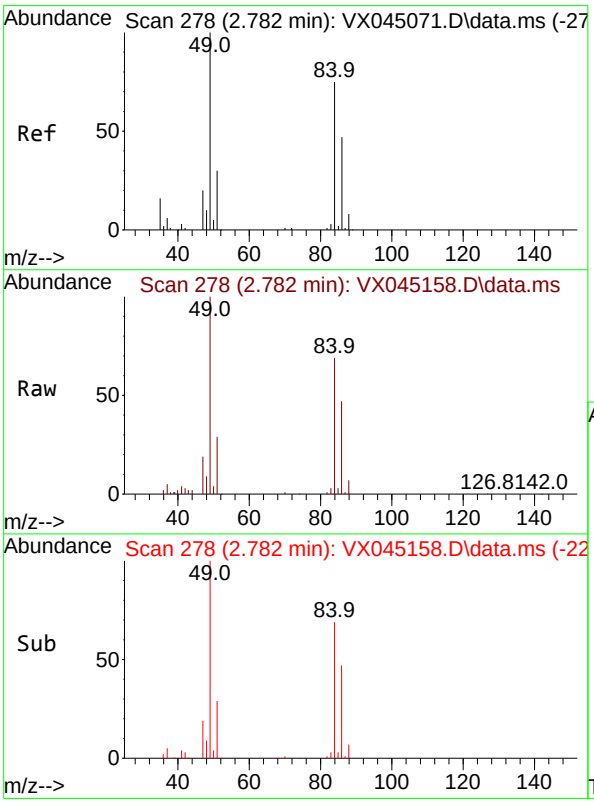
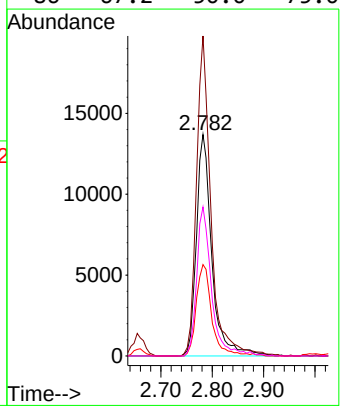
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

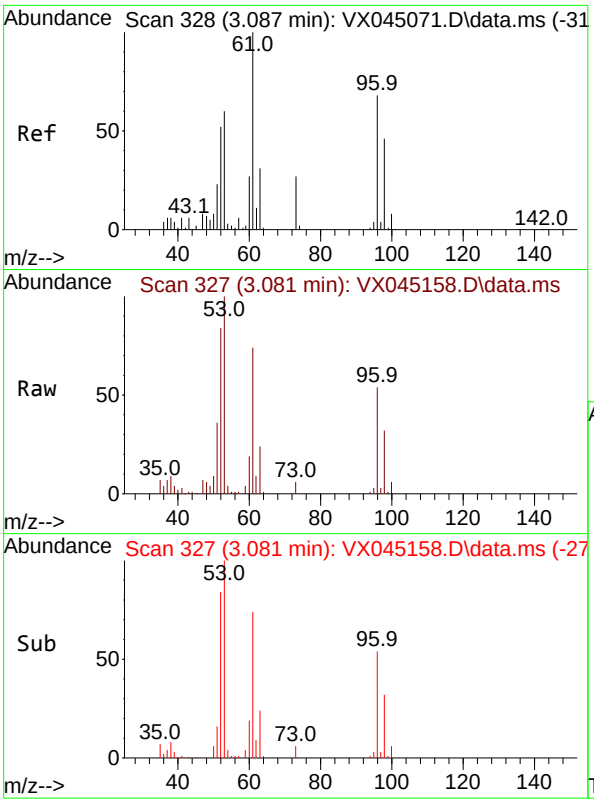


#20
Methylene Chloride
Concen: 20.086 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 84 Resp: 28513

Ion	Ratio	Lower	Upper
84	100		
49	144.5	106.5	159.7
51	41.2	32.1	48.1
86	67.2	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 21.957 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 96 Resp: 2588

Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	59.2	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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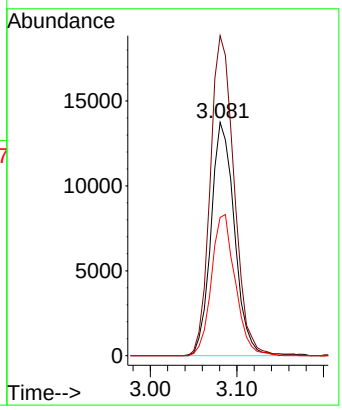
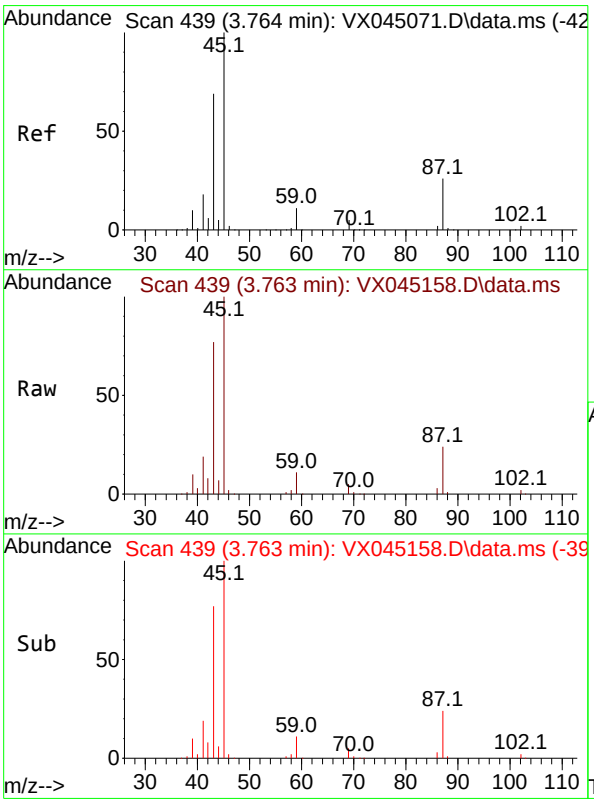
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

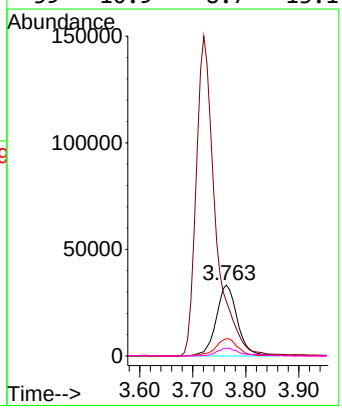


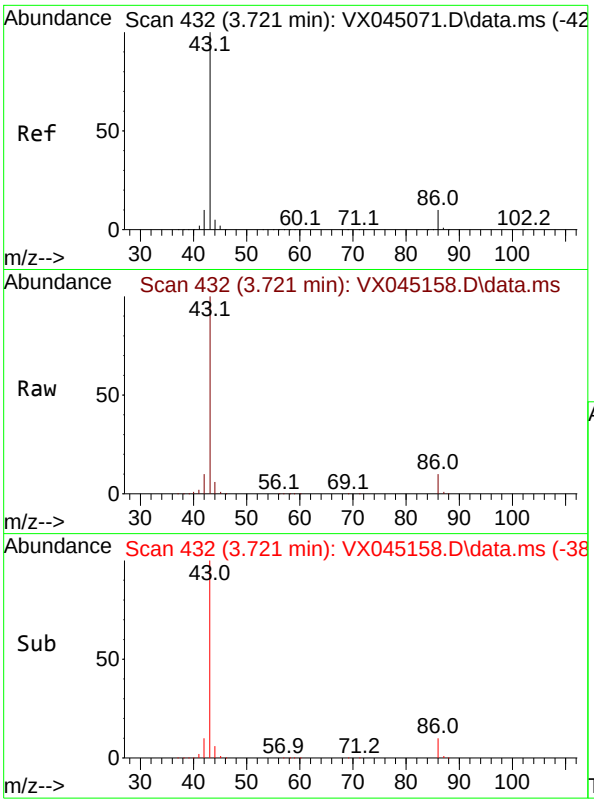


#22
Diisopropyl ether
Concen: 21.360 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 45 Resp: 92263

Ion	Ratio	Lower	Upper
45	100		
43	77.1	54.9	82.3
87	24.5	21.0	31.4
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 105.258 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 43 Resp: 37942

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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Reviewed By :John Carlone 03/10/2025
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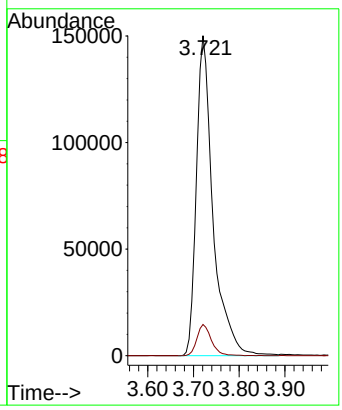
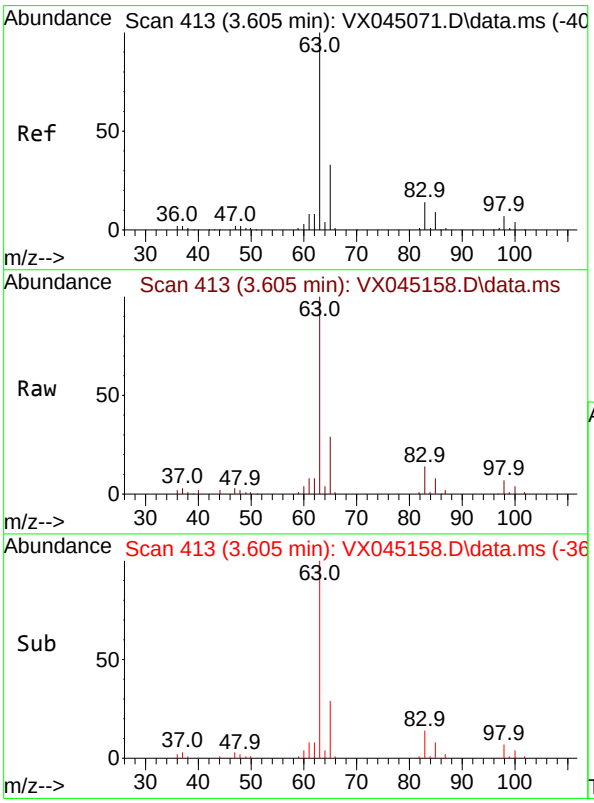
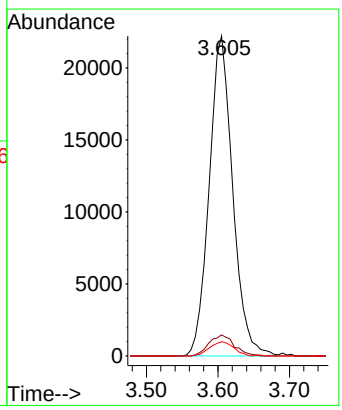


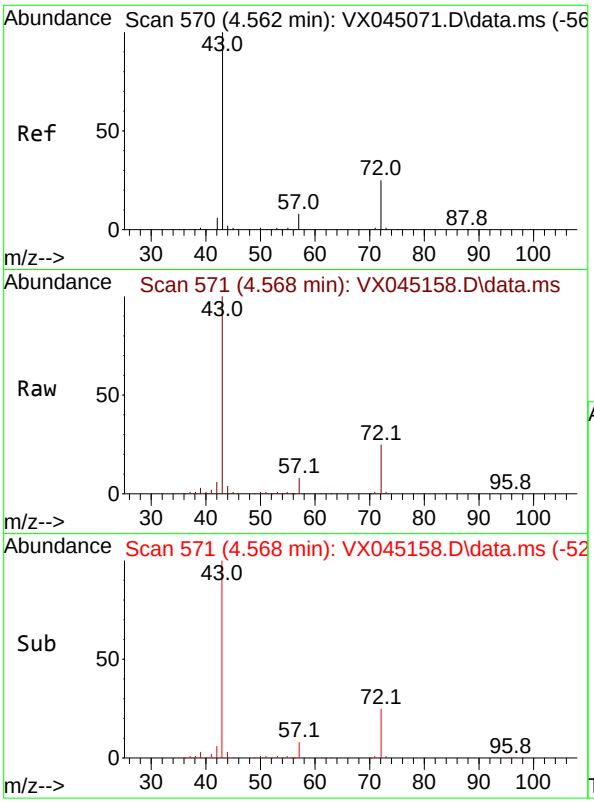


#24
1,1-Dichloroethane
Concen: 20.975 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 63 Resp: 50777

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.5	2.1	6.5





#25
2-Butanone
Concen: 103.935 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 43 Resp: 11211

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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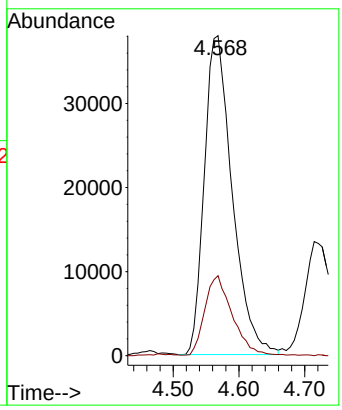
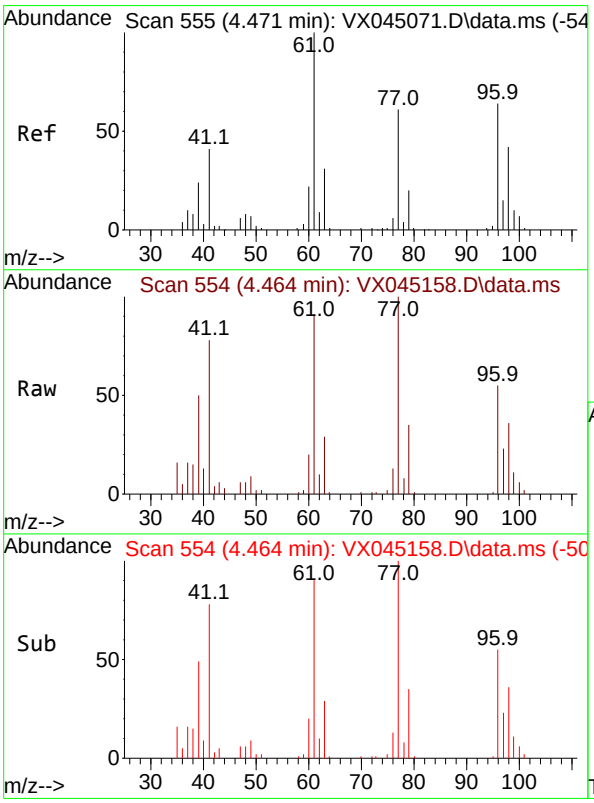
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

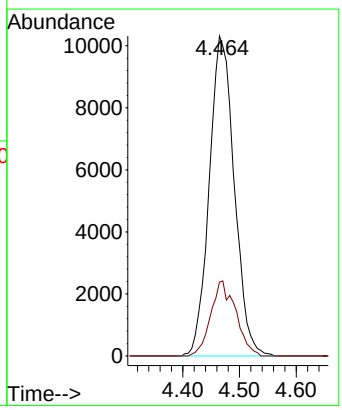


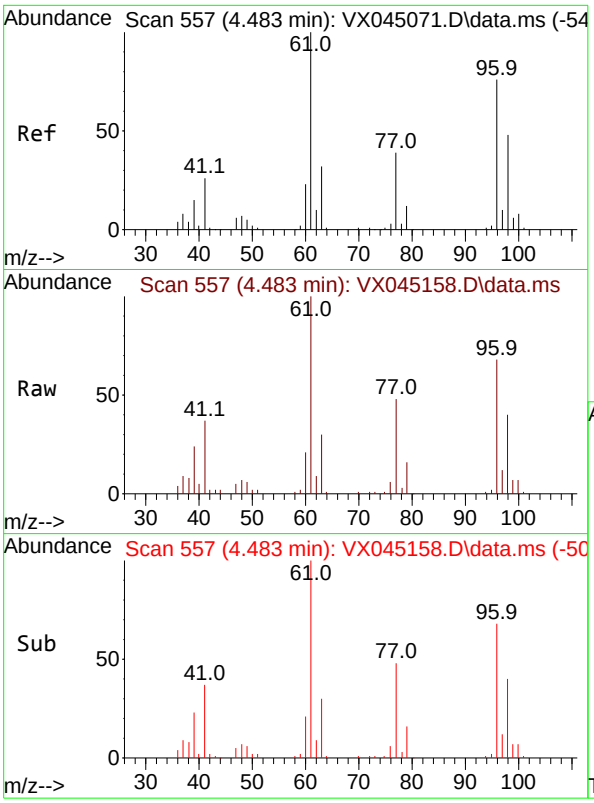


#26
2,2-Dichloropropane
Concen: 27.861 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 77 Resp: 31636

Ion	Ratio	Lower	Upper
77	100		
97	23.5	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 21.161 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 96 Resp: 3079

Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	283.2
98	64.3	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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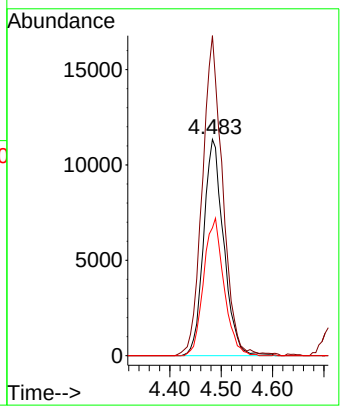
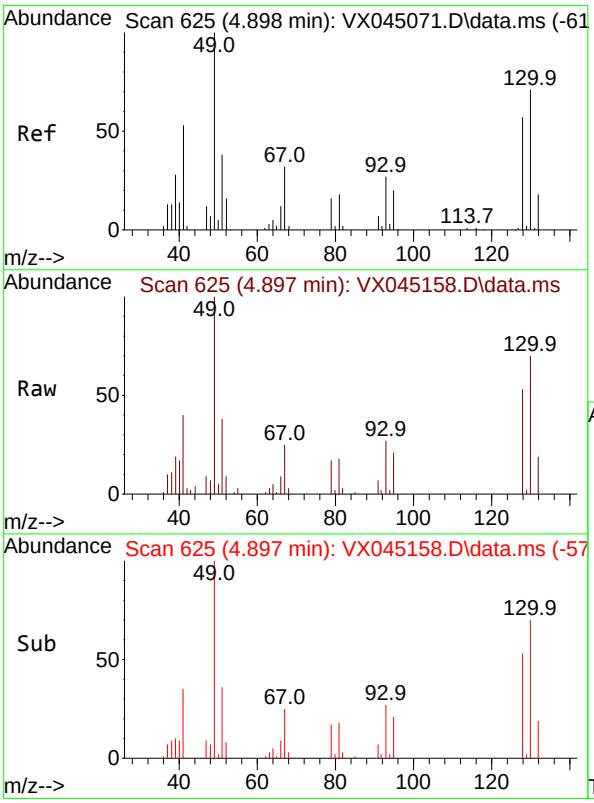
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

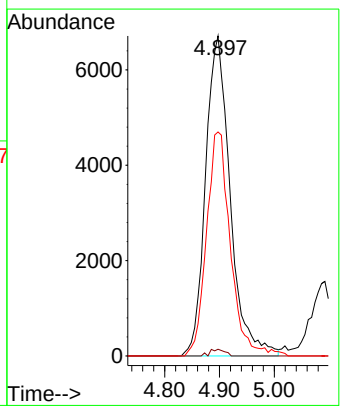


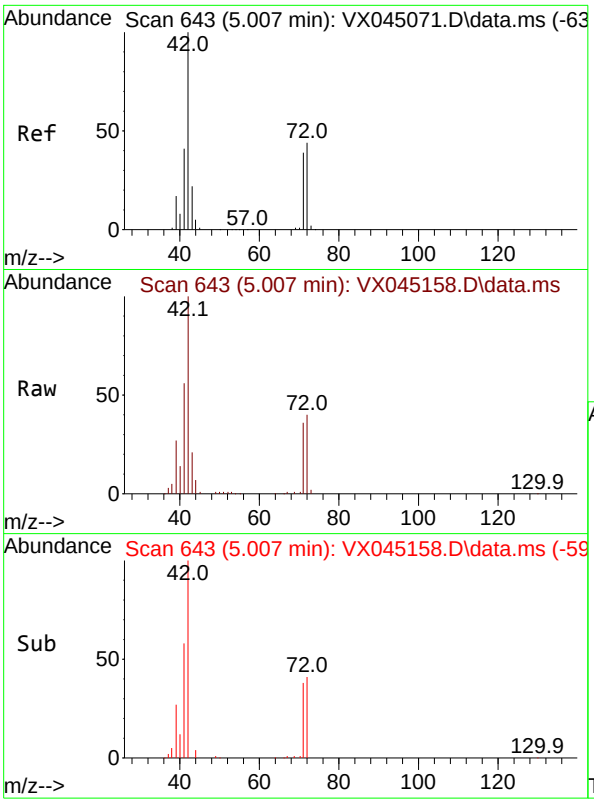


#28
Bromochloromethane
Concen: 18.145 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 49 Resp: 20937

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	68.1	56.1	84.1





#29
Tetrahydrofuran
Concen: 100.185 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 42 Resp: 7257

Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.1	51.1
71	39.1	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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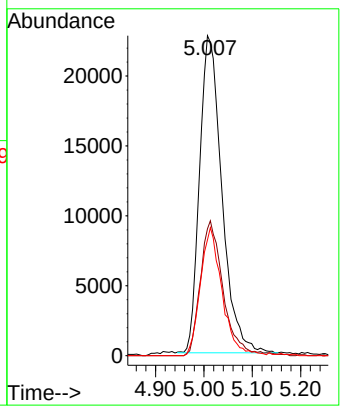
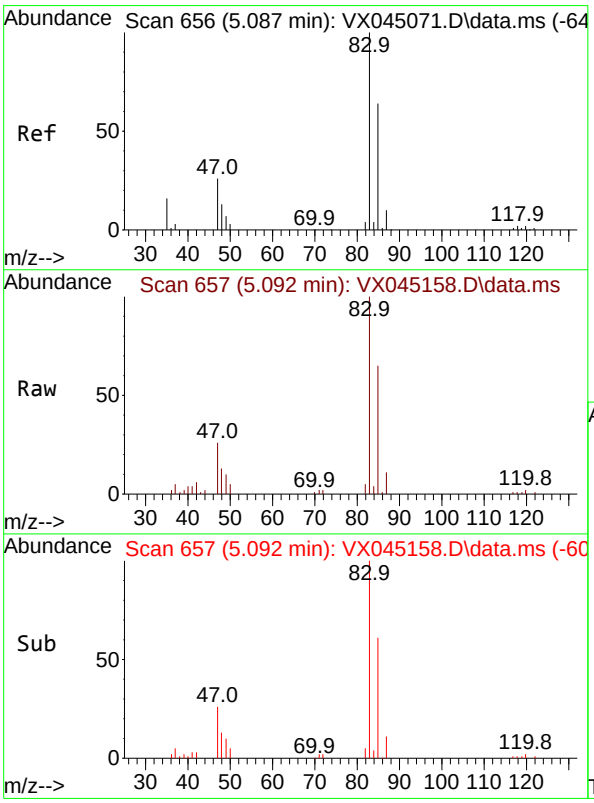
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

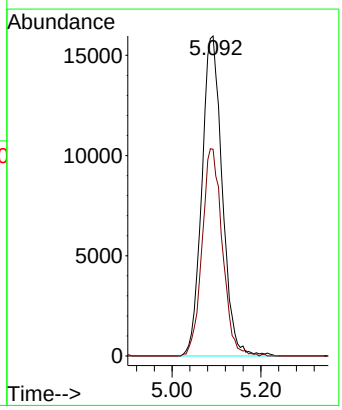


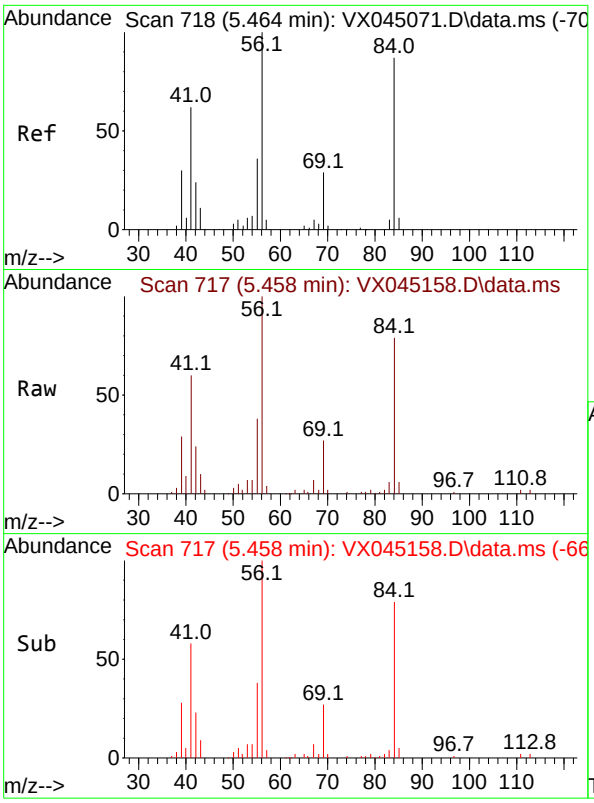


#30
Chloroform
Concen: 21.186 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 83 Resp: 50960

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.2





#31
Cyclohexane
Concen: 22.128 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 56 Resp: 4649

Ion	Ratio	Lower	Upper
56	100		
69	27.1	23.4	35.2
84	77.2	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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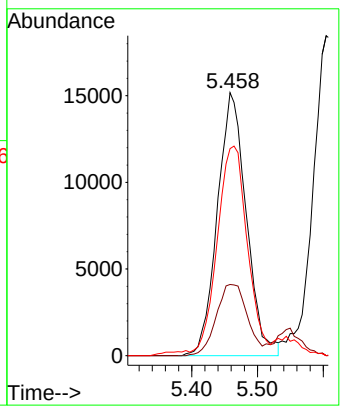
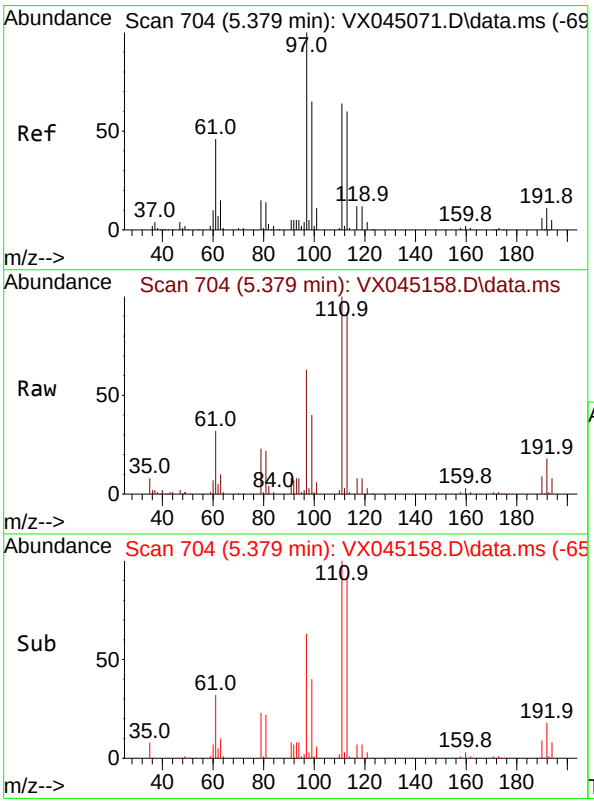
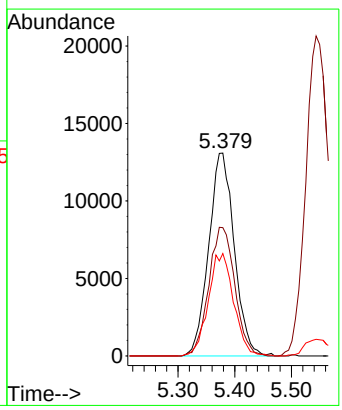


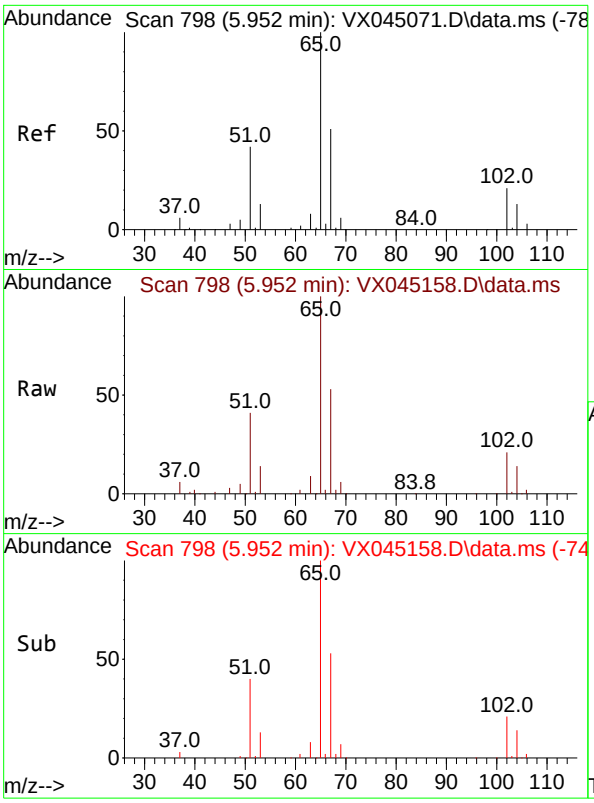


#32
1,1,1-Trichloroethane
Concen: 21.059 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 97 Resp: 40911

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	50.3	38.4	57.6





#33
1,2-Dichloroethane-d4
Concen: 50.187 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 65 Resp: 7751

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	106.2

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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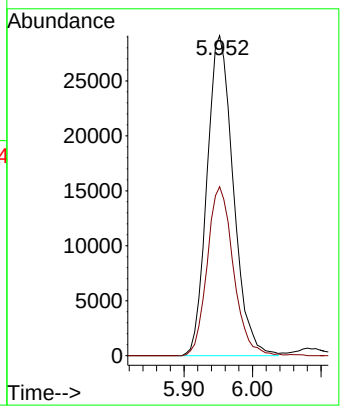
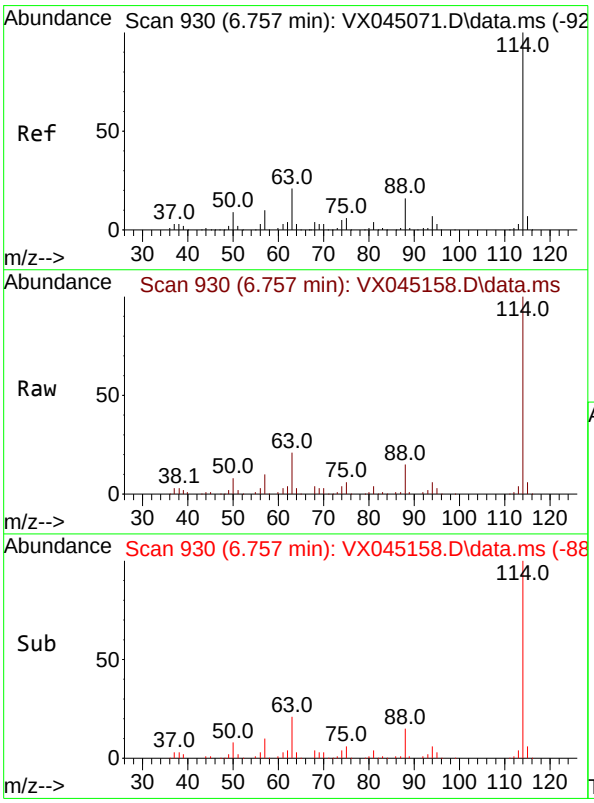
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

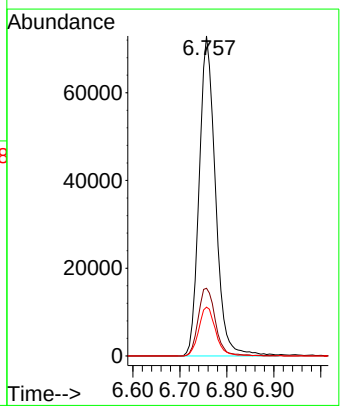


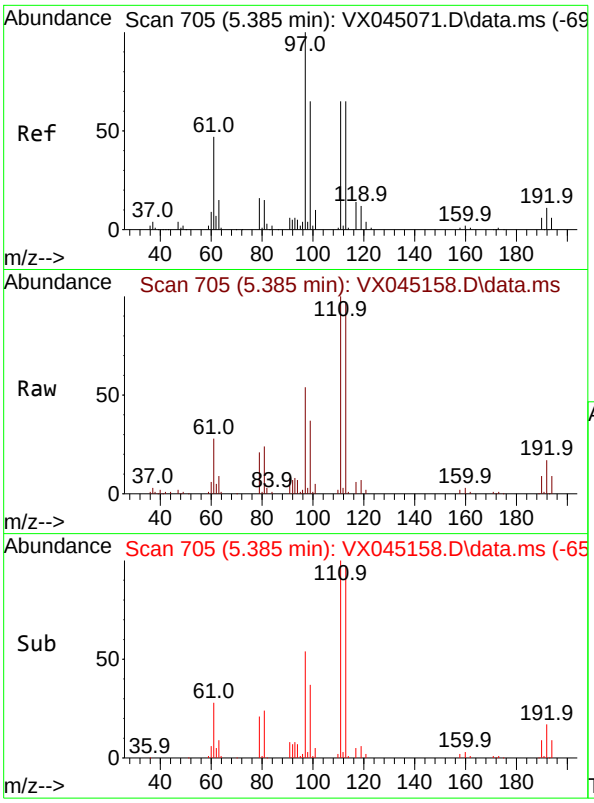


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:114 Resp: 175752

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.8
88	15.2	0.0	32.8

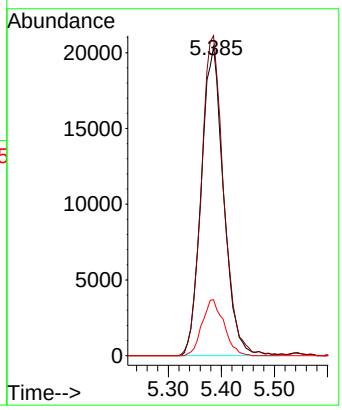




#35
Dibromofluoromethane
Concen: 50.846 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:113 Resp: 5975

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	17.7	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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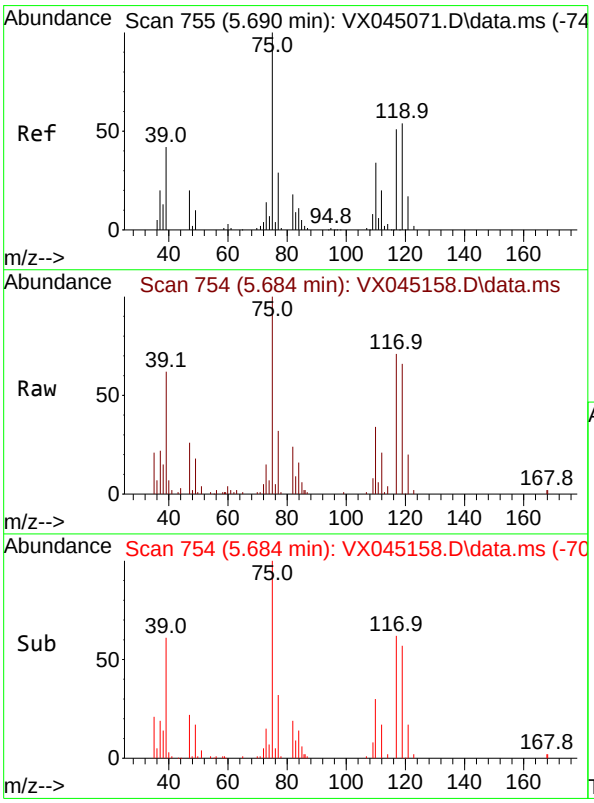
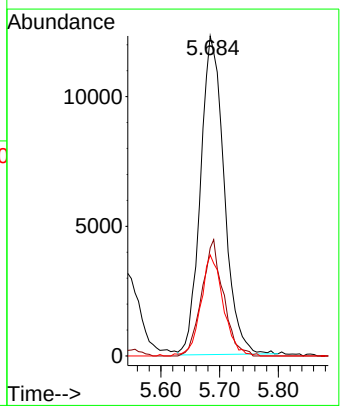
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

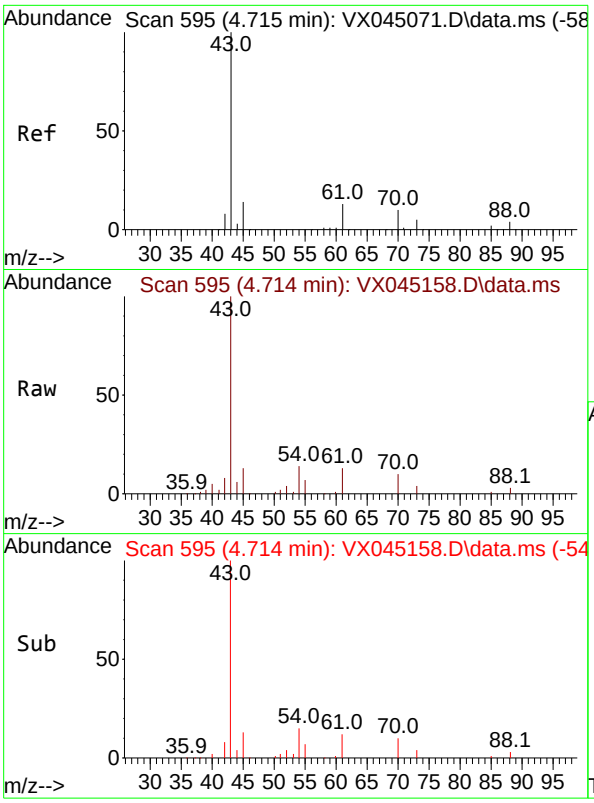


#36
1,1-Dichloropropene
Concen: 21.370 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 75 Resp: 34442

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	30.0	24.5	36.7





#37
Ethyl Acetate
Concen: 19.942 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 43 Resp: 4141

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	9.7	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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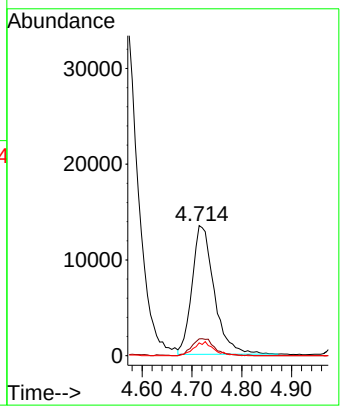
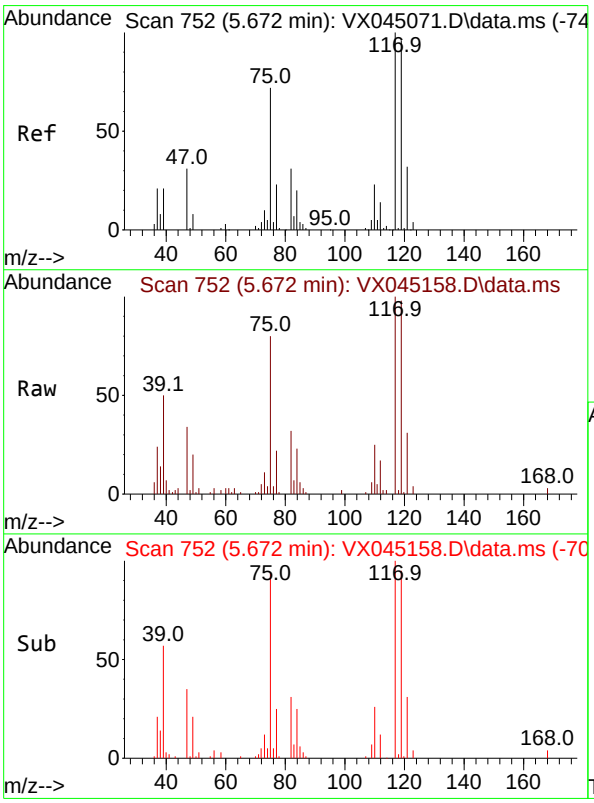
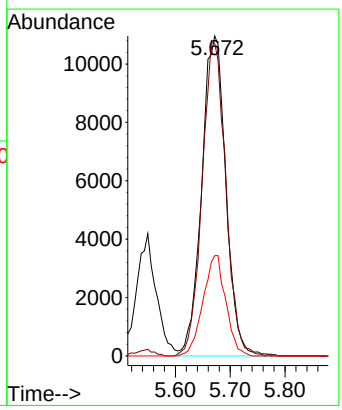


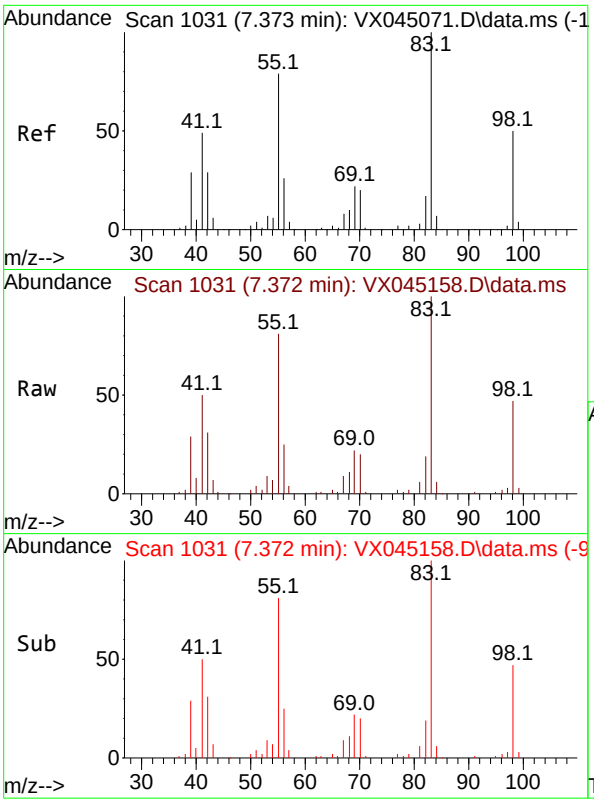


#38
Carbon Tetrachloride
Concen: 20.492 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:117 Resp: 33530

Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.7	115.1
121	31.4	25.5	38.3

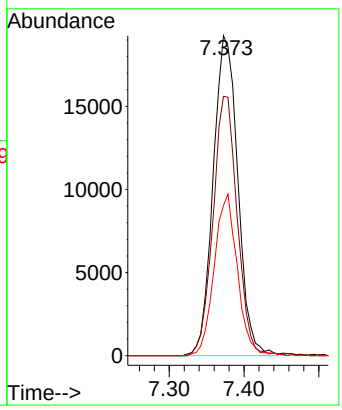




#39
Methylcyclohexane
Concen: 22.900 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 83 Resp: 4422

Ion	Ratio	Lower	Upper
83	100		
55	81.1	63.0	94.4
98	46.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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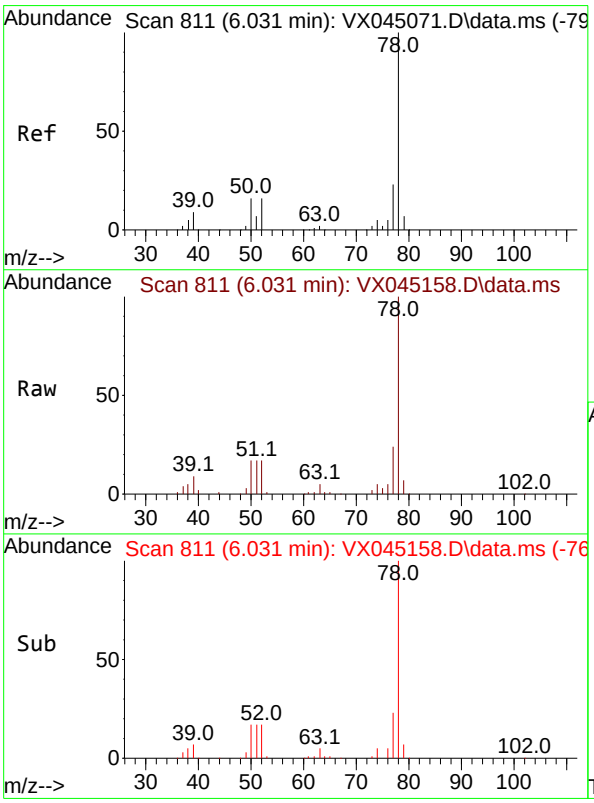
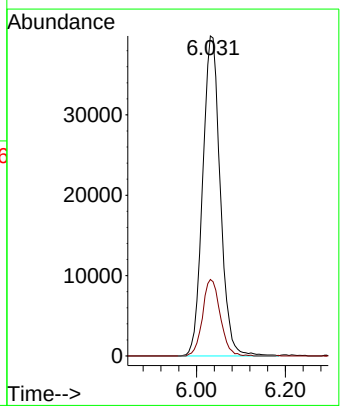
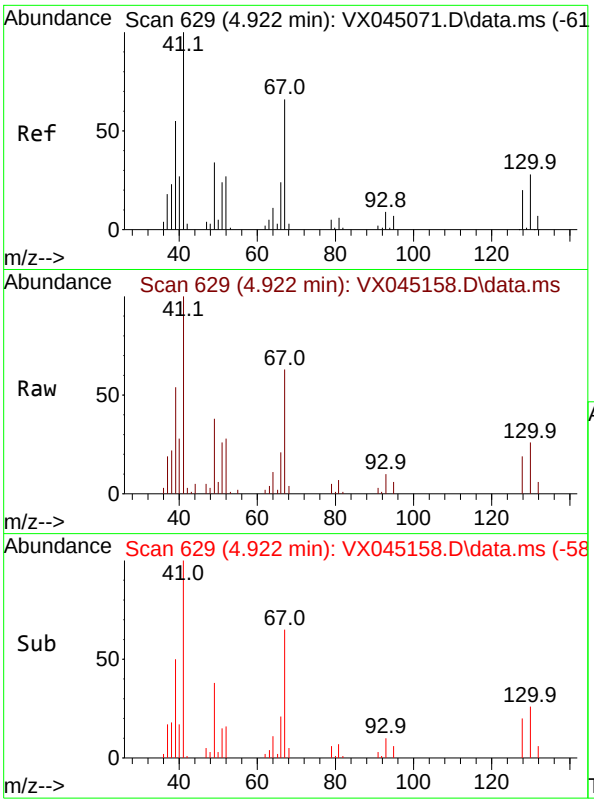


#40
Benzene
Concen: 21.516 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 78 Resp: 109500

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

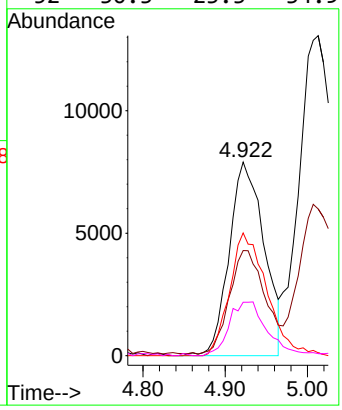




#41
Methacrylonitrile
Concen: 20.769 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 41 Resp: 2332

Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.6	67.0
67	67.5	53.9	80.9
52	30.3	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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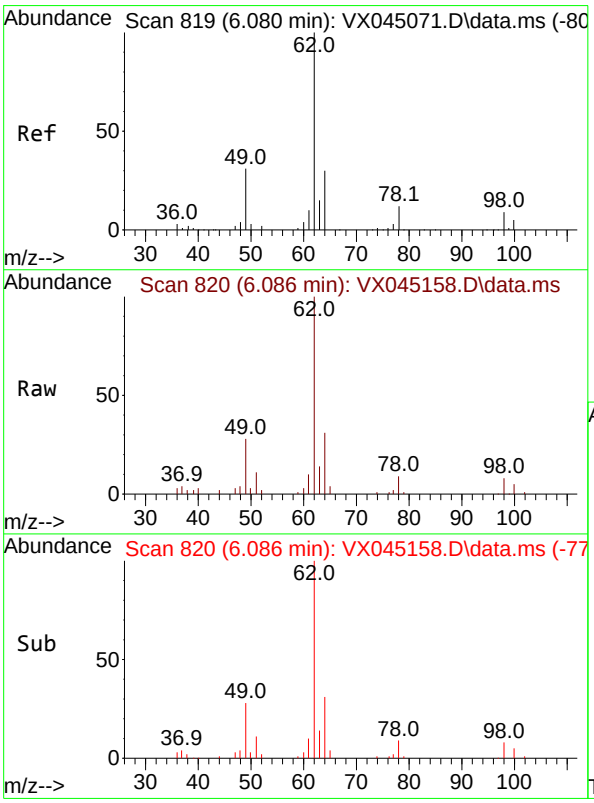
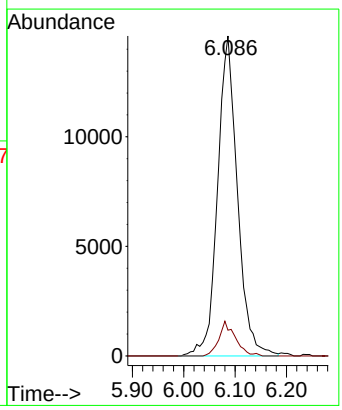
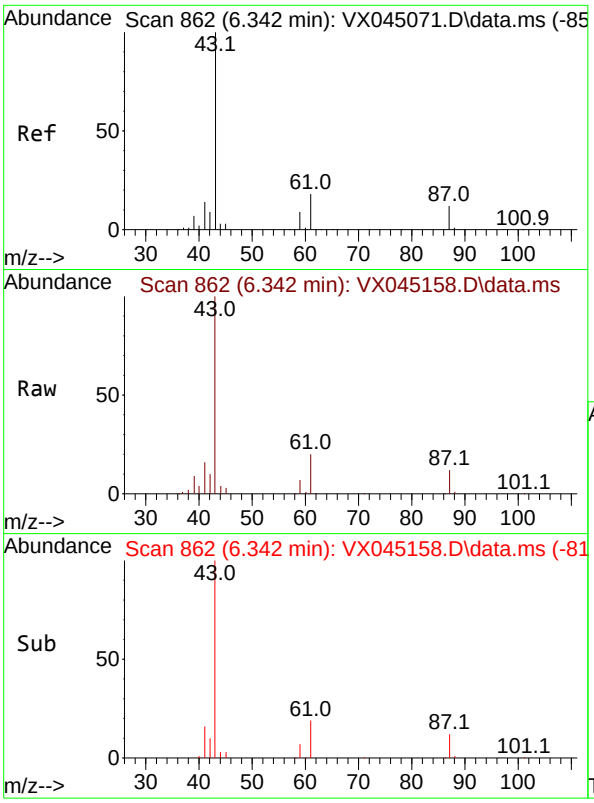


#42
1,2-Dichloroethane
Concen: 21.397 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 62 Resp: 39213

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2

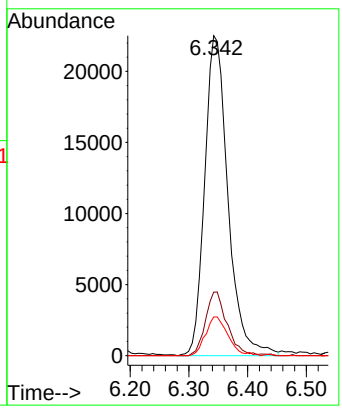




#43
Isopropyl Acetate
Concen: 20.220 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 43 Resp: 6209

Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.7	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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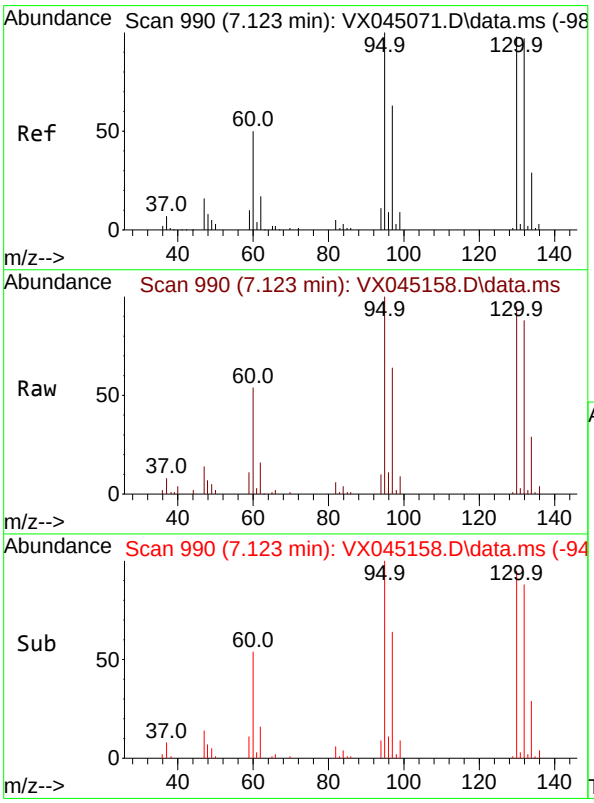
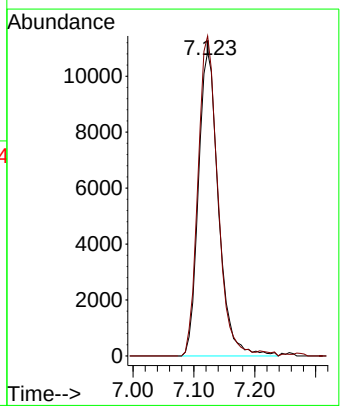
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

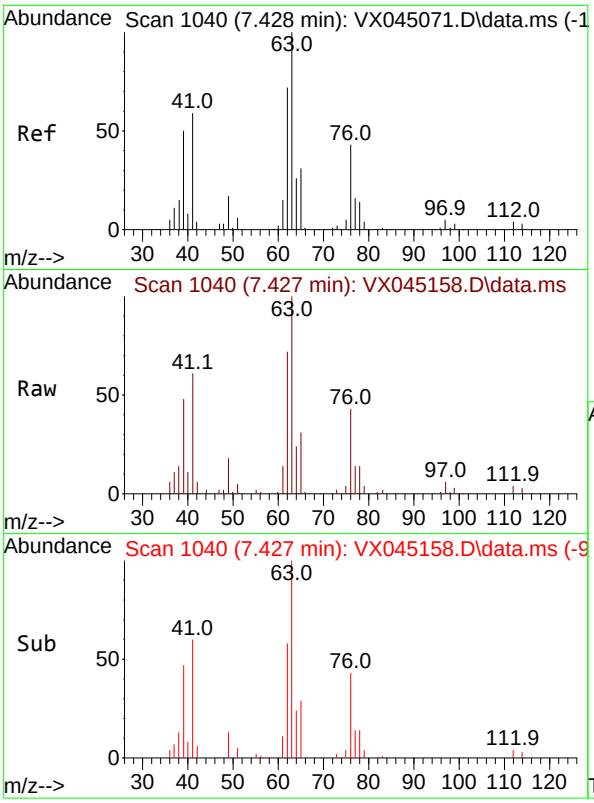


#44
Trichloroethene
Concen: 20.842 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:130 Resp: 24906

Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	205.0





#45
1,2-Dichloropropane
Concen: 21.002 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 63 Resp: 2748

Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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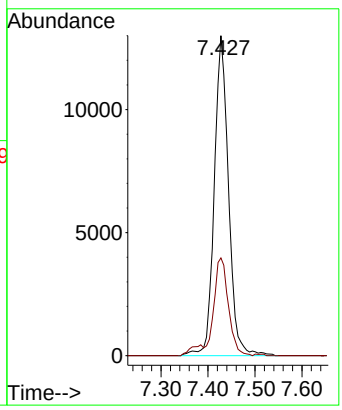
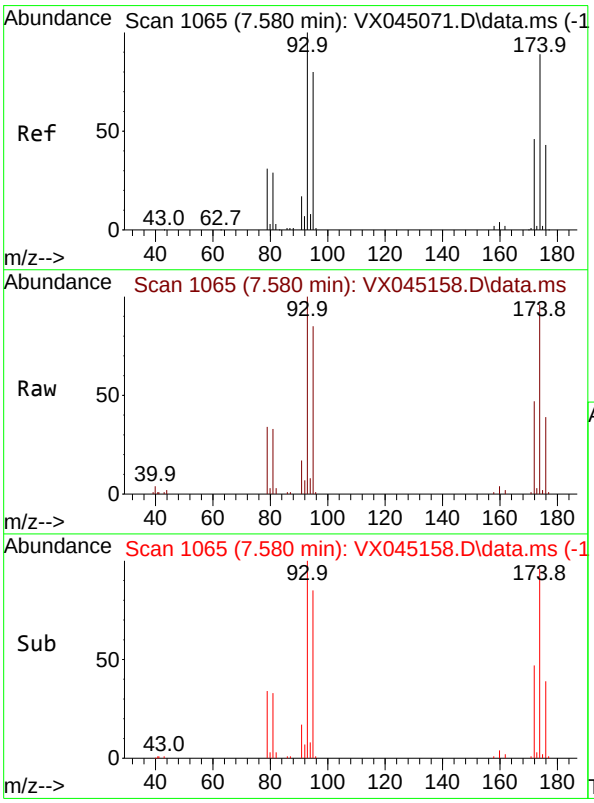
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

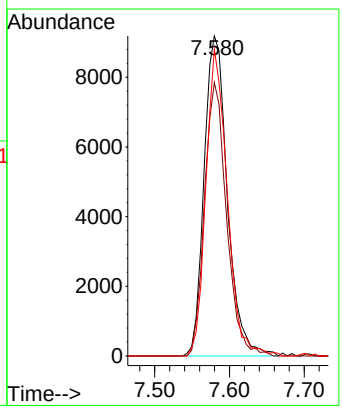


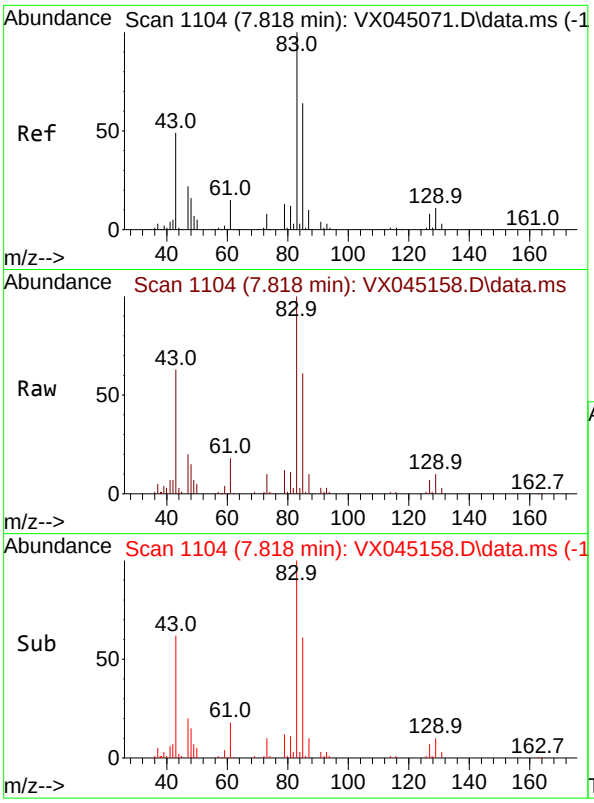


#46
Dibromomethane
Concen: 21.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 93 Resp: 19832

Ion	Ratio	Lower	Upper
93	100		
95	81.1	65.8	98.8
174	88.4	72.2	108.2

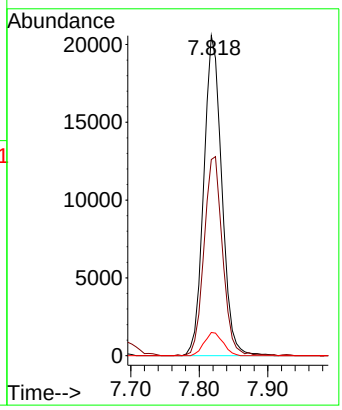




#47
Bromodichloromethane
Concen: 20.821 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 83 Resp: 3777

Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.1	76.7
127	7.2	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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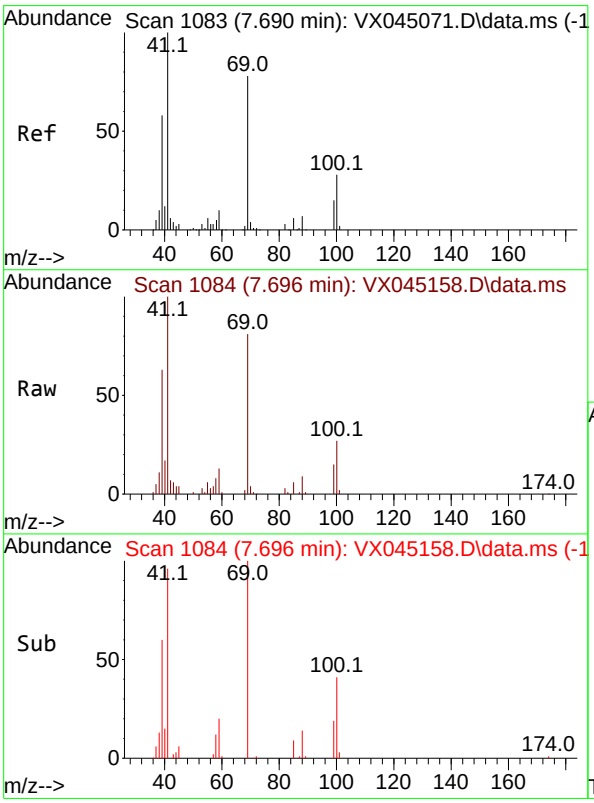
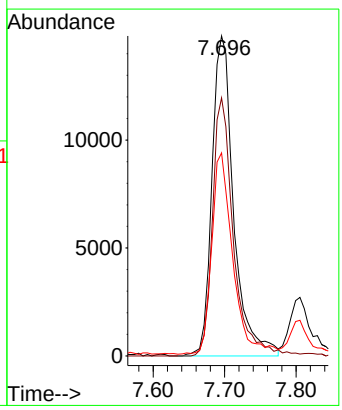
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

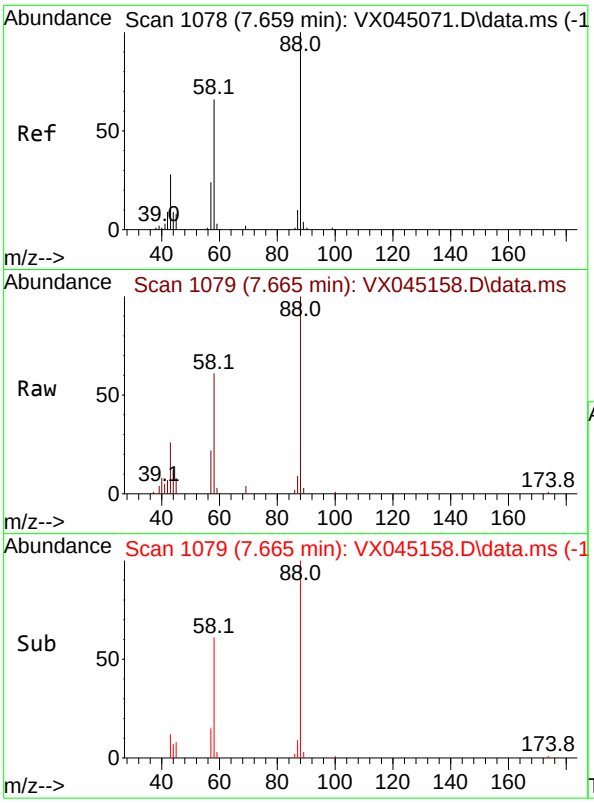


#48
Methyl methacrylate
Concen: 20.301 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 41 Resp: 31277

Ion	Ratio	Lower	Upper
41	100		
69	77.5	63.0	94.6
39	61.0	47.5	71.3





#49
1,4-Dioxane
Concen: 426.482 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 88 Resp: 1386

Ion	Ratio	Lower	Upper
88	100		
43	33.7	28.7	43.1
58	69.7	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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Reviewed By :John Carlone 03/10/2025
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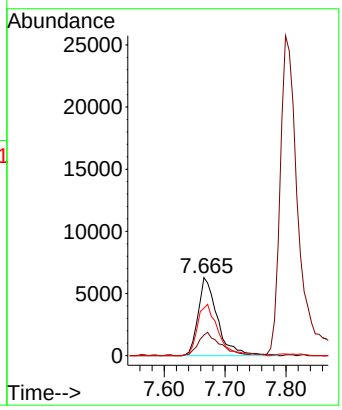
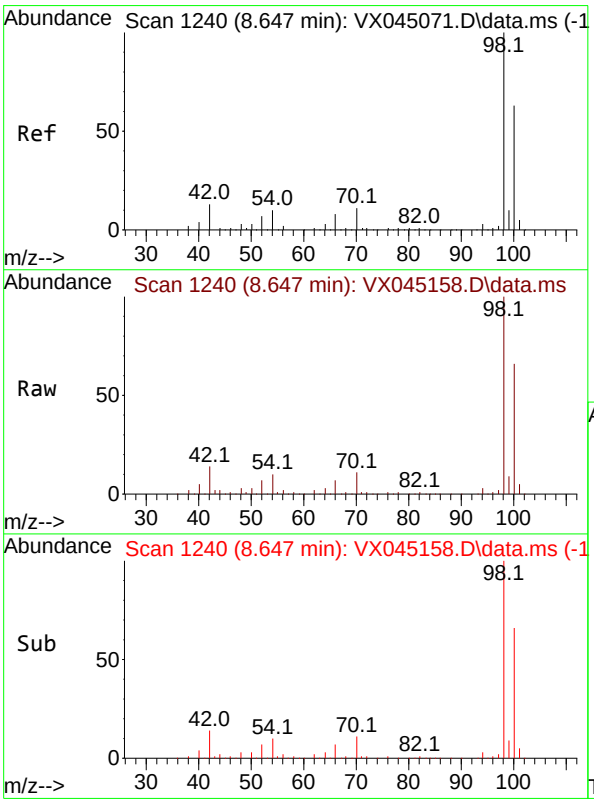
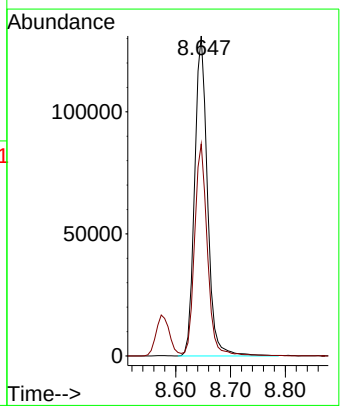


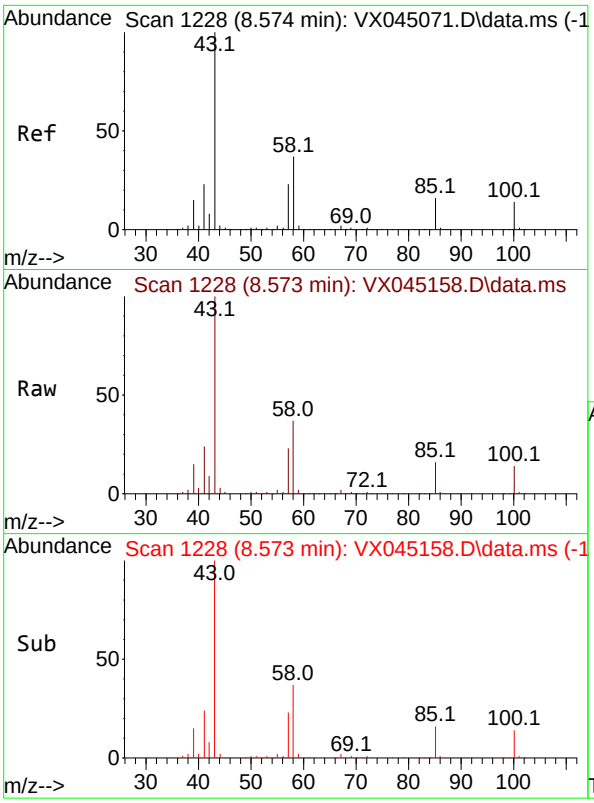


#50
Toluene-d8
Concen: 50.263 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 98 Resp: 214149

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0

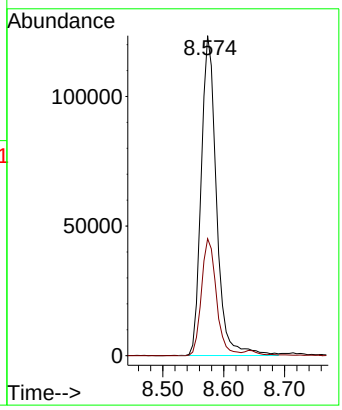




#51
4-Methyl-2-Pentanone
Concen: 104.420 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 43 Resp: 21530

Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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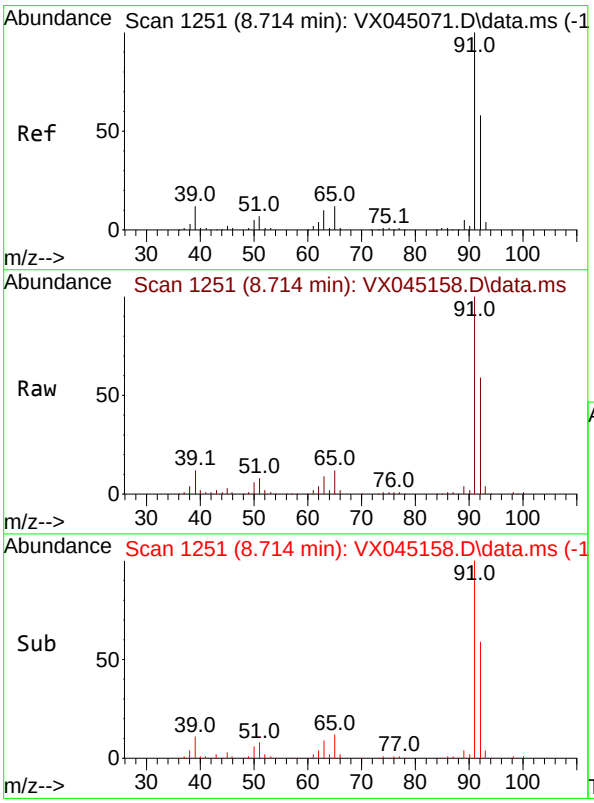
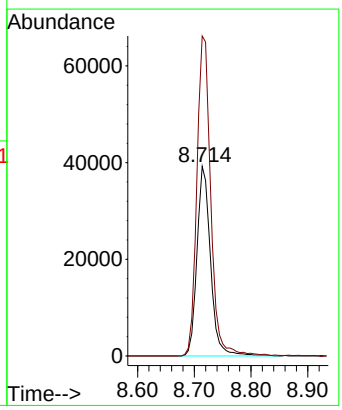
Supervised By :Mahesh Dadoda 03/10/2025

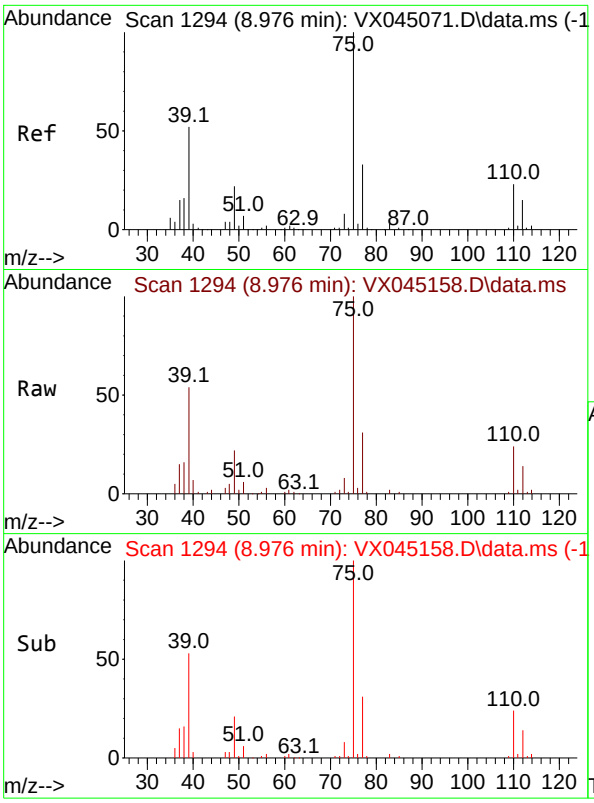


#52
Toluene
Concen: 21.814 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 92 Resp: 65138

Ion	Ratio	Lower	Upper
92	100		
91	172.9	138.9	208.3

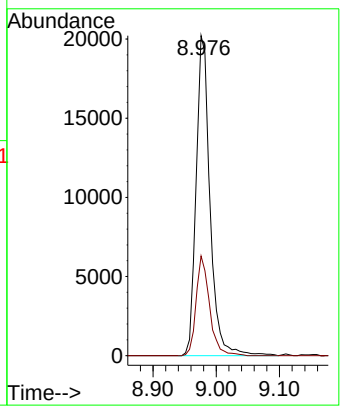




#53
t-1,3-Dichloropropene
Concen: 20.407 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 75 Resp: 3095

Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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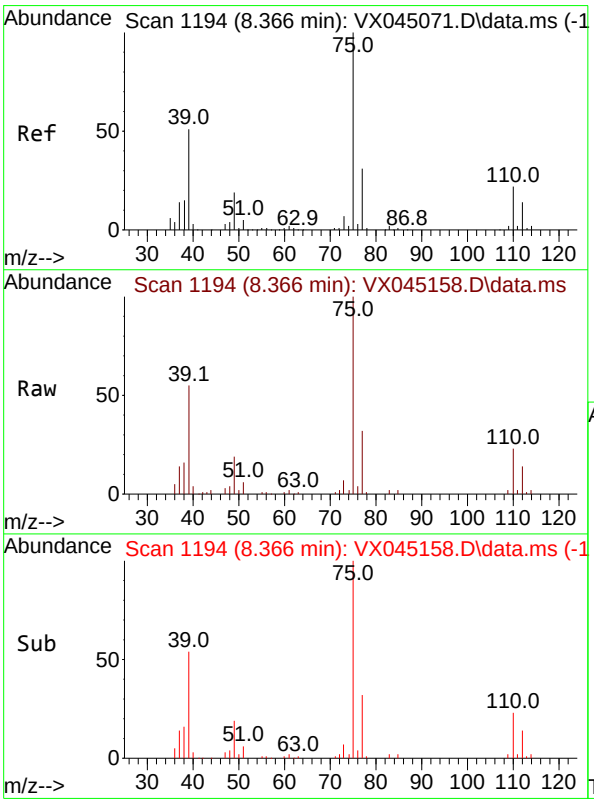
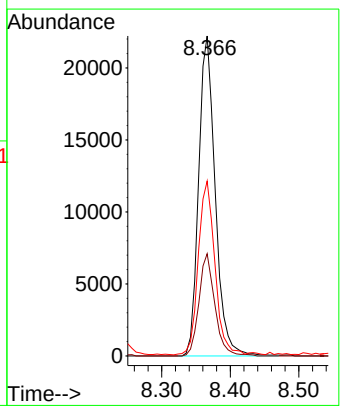
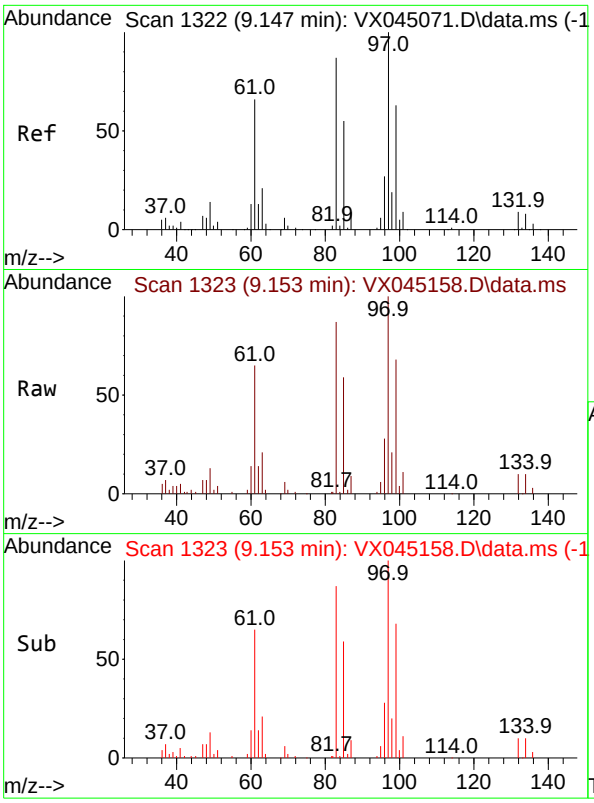


#54
cis-1,3-Dichloropropene
Concen: 21.182 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 75 Resp: 37460

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.7	37.1
39	54.1	40.7	61.1

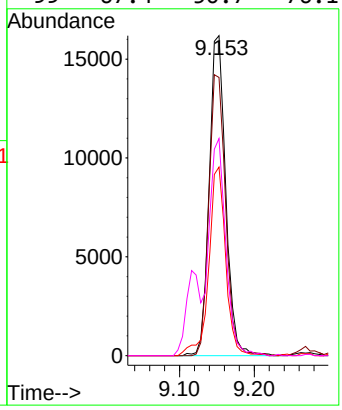




#55
1,1,2-Trichloroethane
Concen: 20.219 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 97 Resp: 2485

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.2
85	59.0	44.1	66.1
99	67.4	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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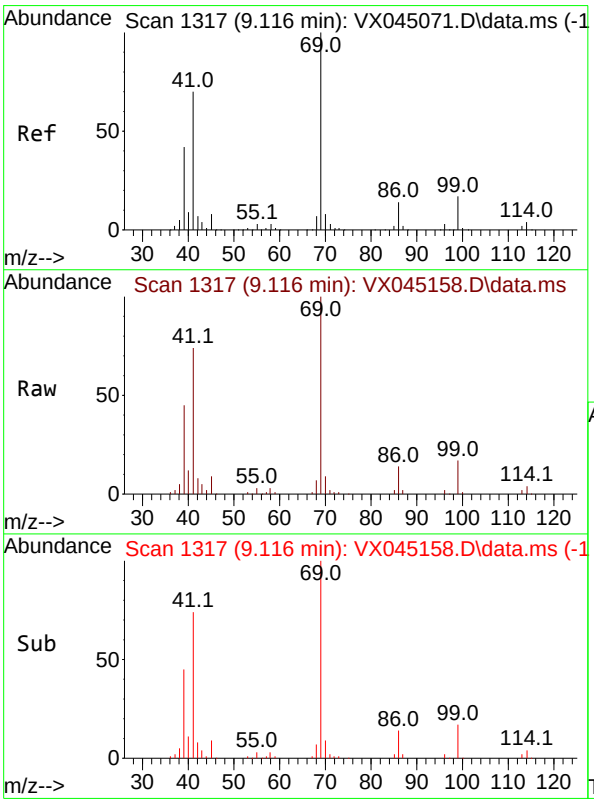
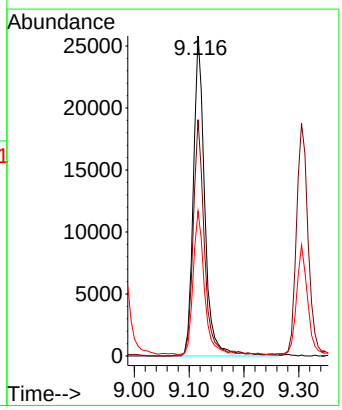
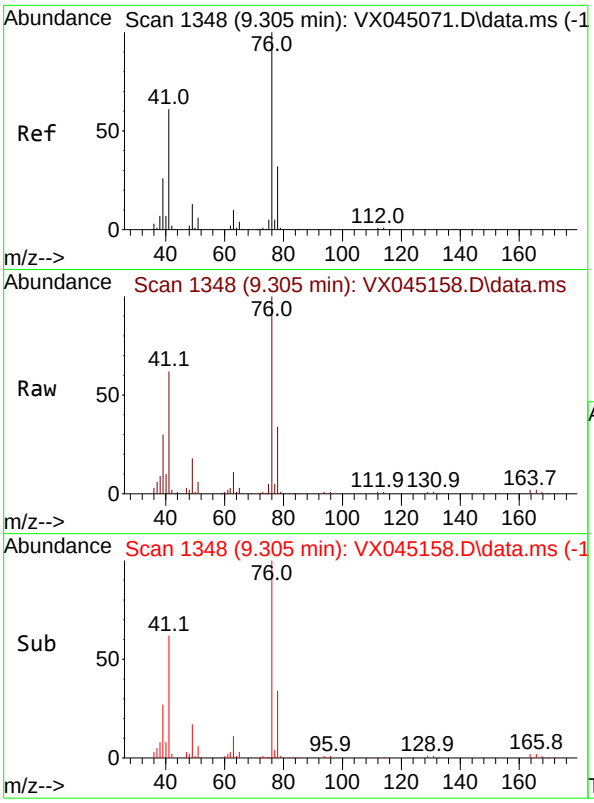


#56
Ethyl methacrylate
Concen: 20.084 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 69 Resp: 37529

Ion	Ratio	Lower	Upper
69	100		
41	73.8	57.0	85.4
39	44.2	34.2	51.4





#57
1,3-Dichloropropane
Concen: 20.660 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 76 Resp: 4395

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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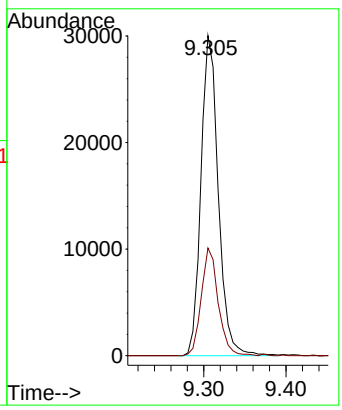
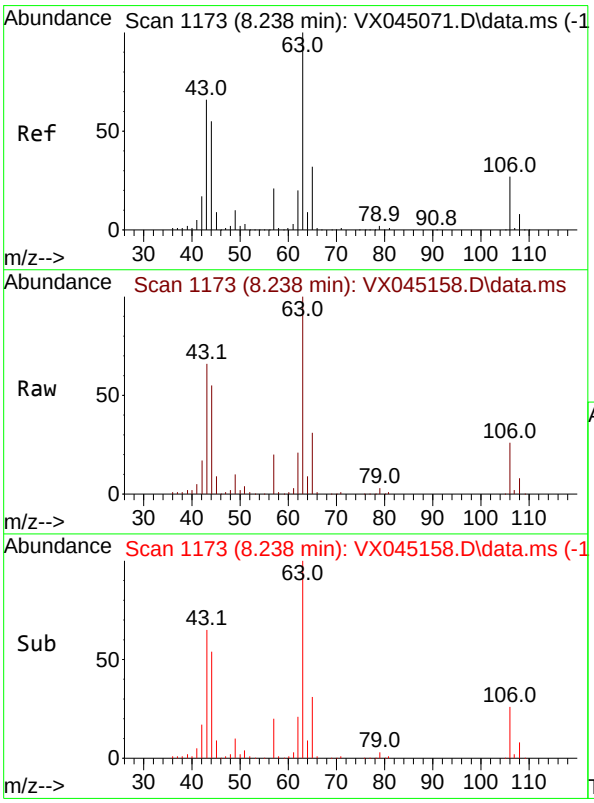
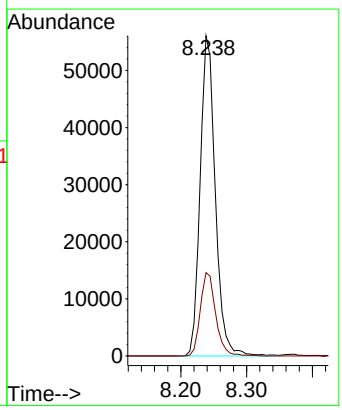


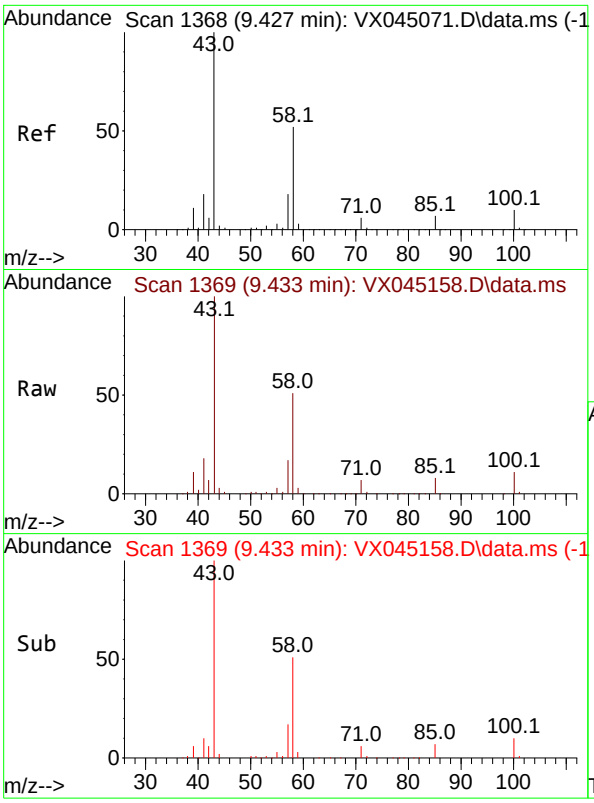


#58
2-Chloroethyl Vinyl ether
Concen: 98.410 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 63 Resp: 89701

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3





#59
2-Hexanone
Concen: 105.853 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 43 Resp: 15814

Ion	Ratio	Lower	Upper
43	100		
58	51.1	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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Reviewed By :John Carlone 03/10/2025
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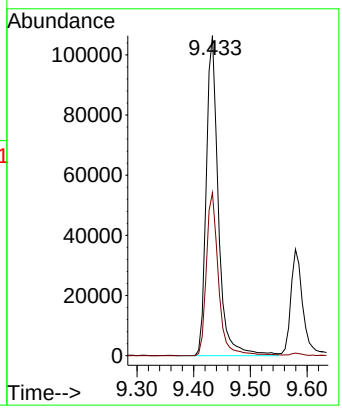
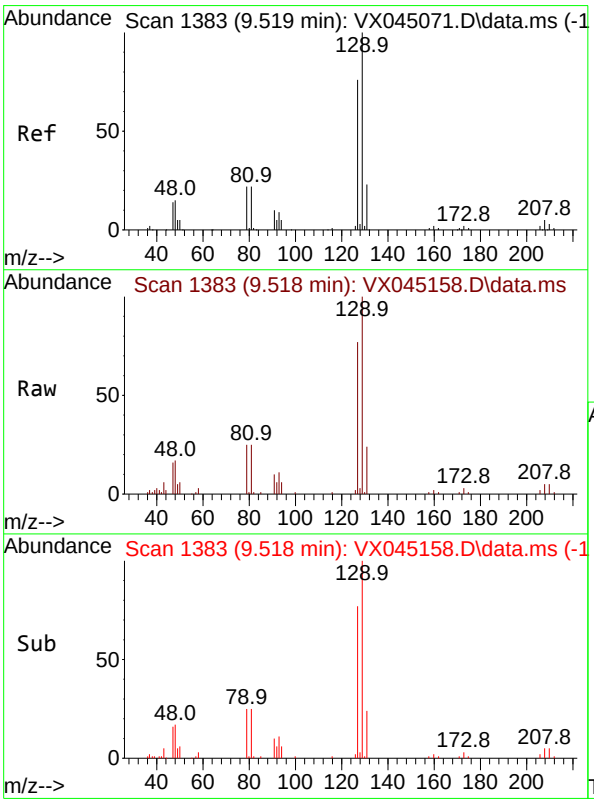
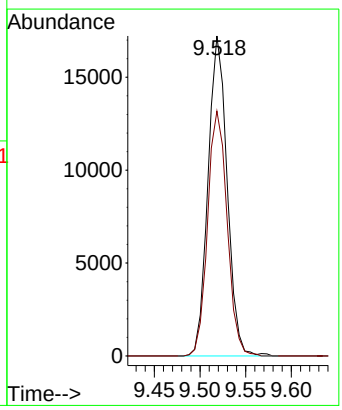


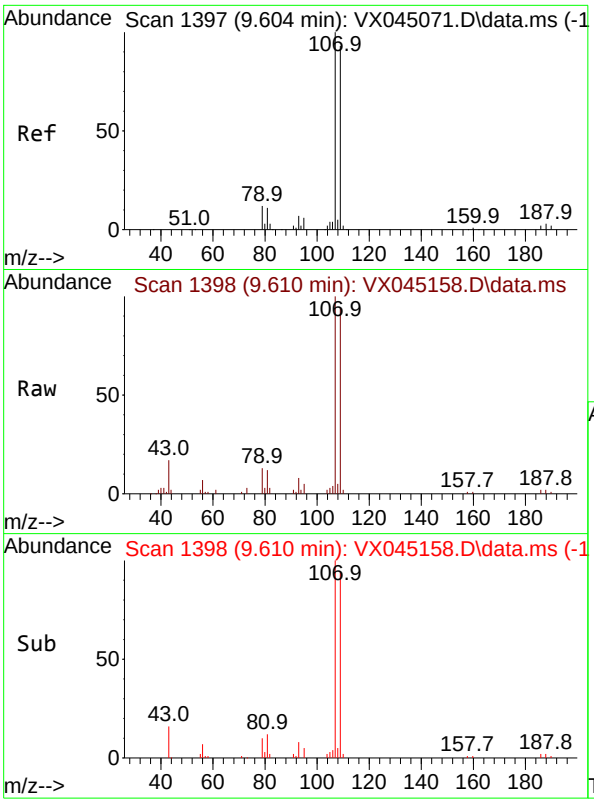


#60
Dibromochloromethane
Concen: 19.466 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:129 Resp: 25020

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.5	115.5

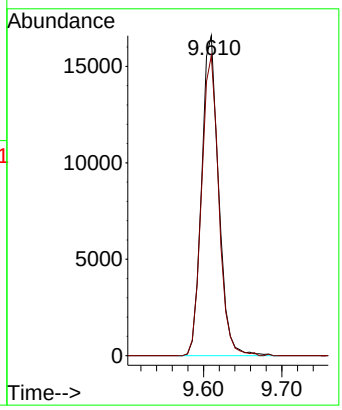




#61
1,2-Dibromoethane
Concen: 20.343 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:107 Resp: 2496

Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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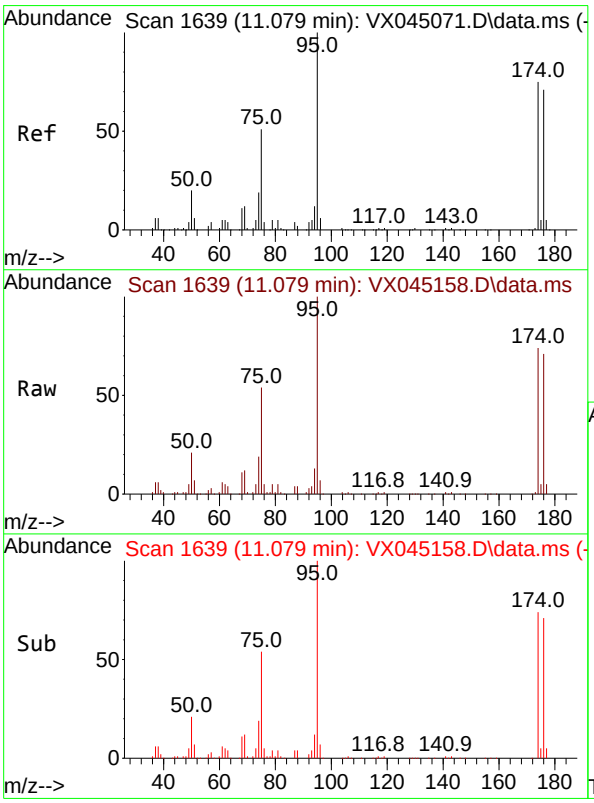
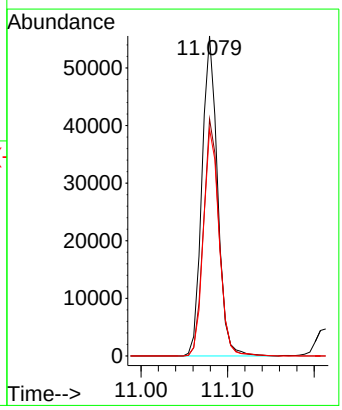
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

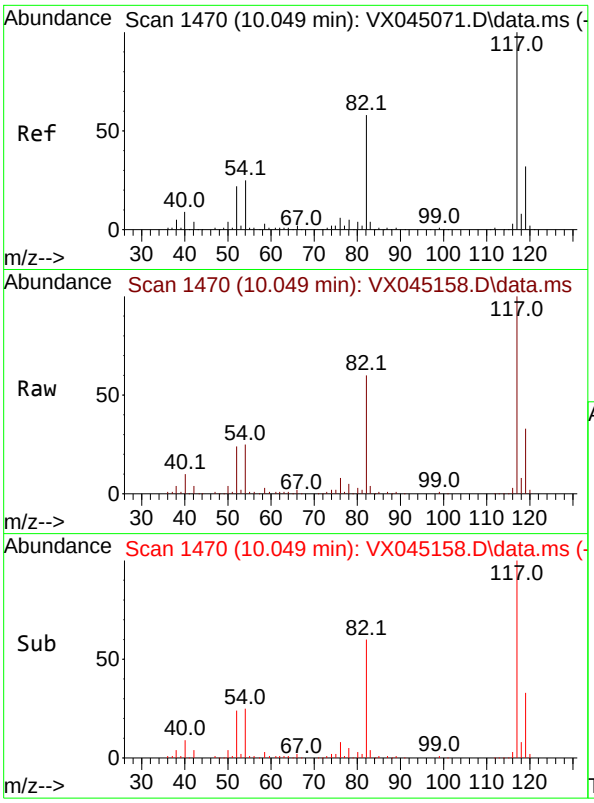


#62
4-Bromofluorobenzene
Concen: 49.179 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 95 Resp: 69431

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	148.2
176	71.6	0.0	141.4

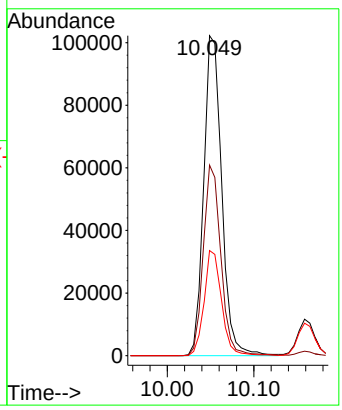




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:117 Resp: 14775

Ion	Ratio	Lower	Upper
117	100		
82	59.6	46.3	69.5
119	32.8	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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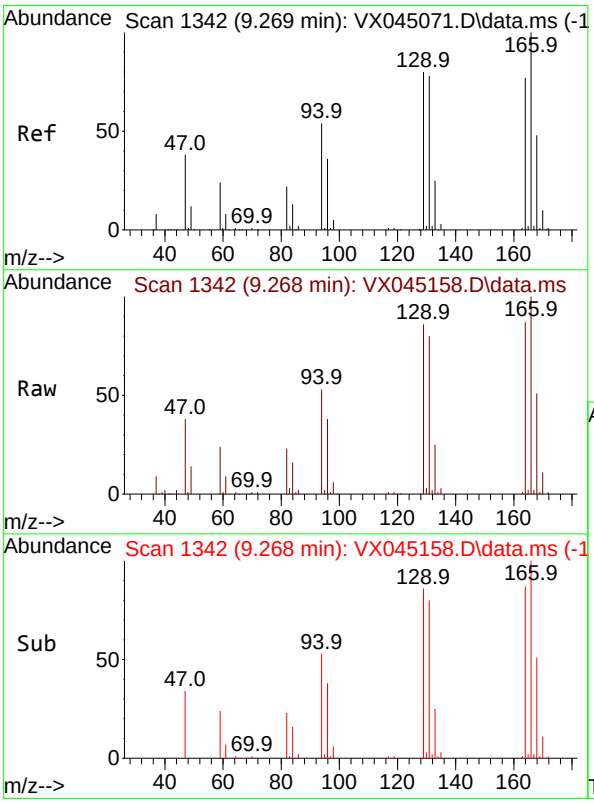
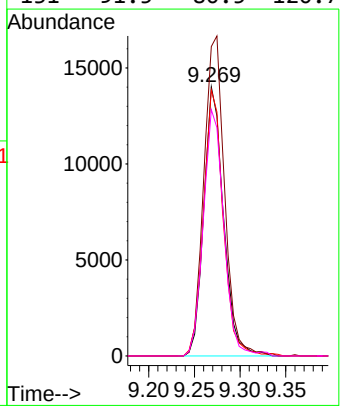
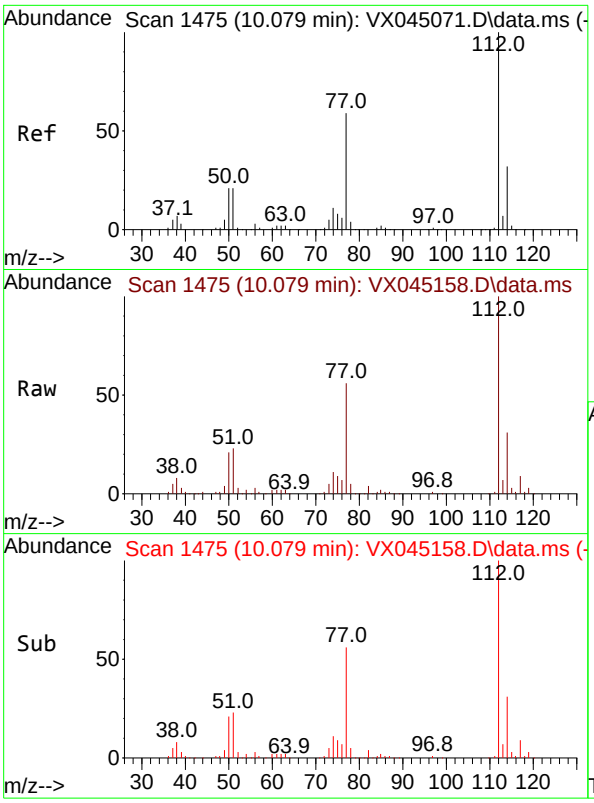


#64
Tetrachloroethene
Concen: 22.233 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:164 Resp: 21040

Ion	Ratio	Lower	Upper
164	100		
166	115.0	103.6	155.4
129	98.8	82.7	124.1
131	91.5	80.5	120.7

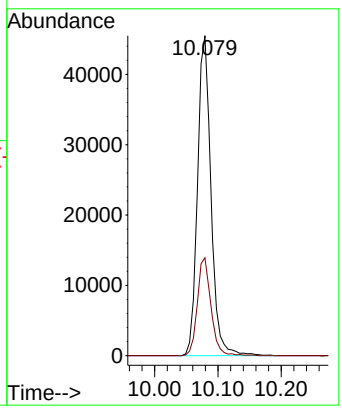




#65
Chlorobenzene
Concen: 21.638 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:112 Resp: 6765

Ion	Ratio	Lower	Upper
112	100		
114	30.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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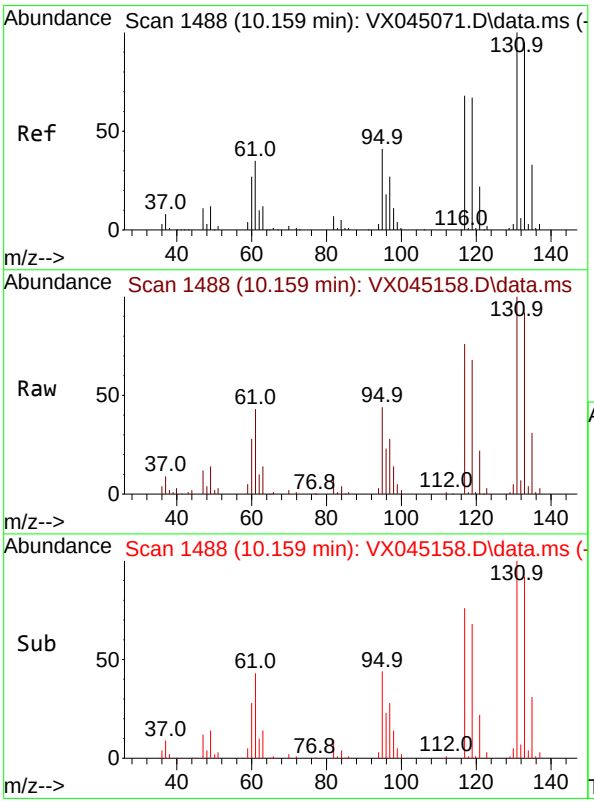
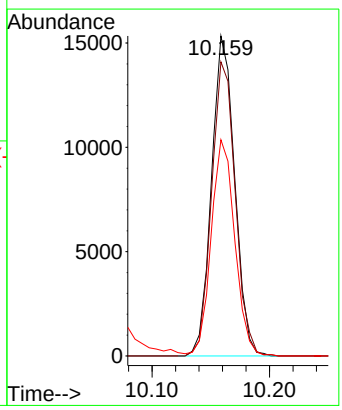
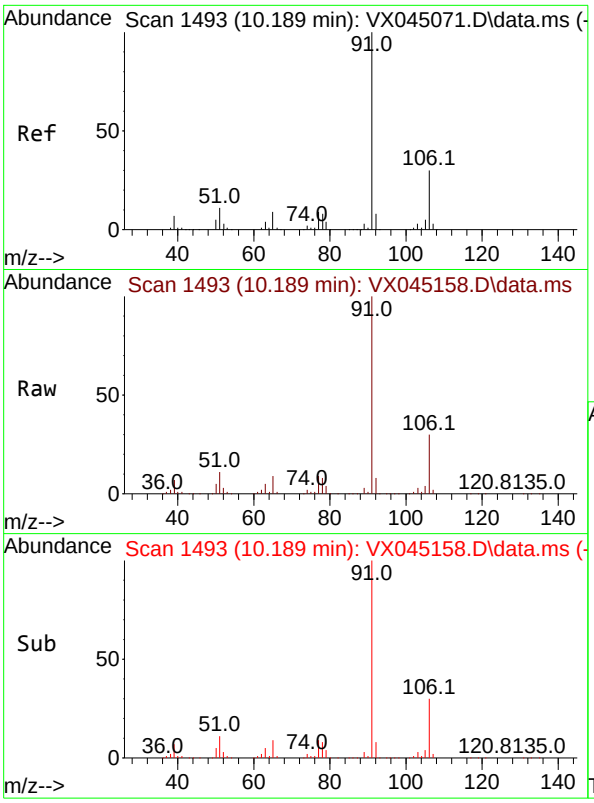


#66
1,1,1,2-Tetrachloroethane
Concen: 20.181 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:131 Resp: 21012

Ion	Ratio	Lower	Upper
131	100		
133	94.0	48.6	145.9
119	68.9	33.9	101.7





#67
Ethyl Benzene
Concen: 21.687 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 91 Resp: 11814

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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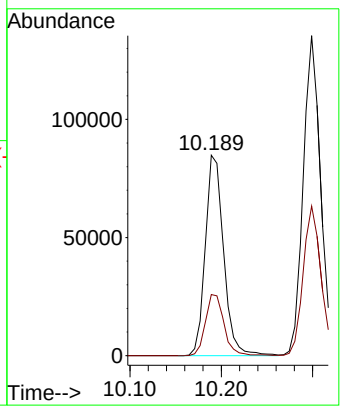
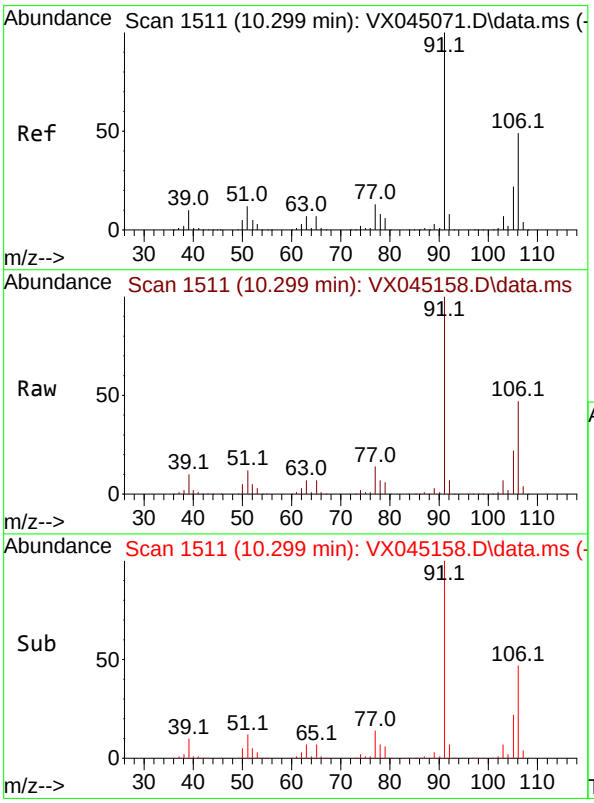
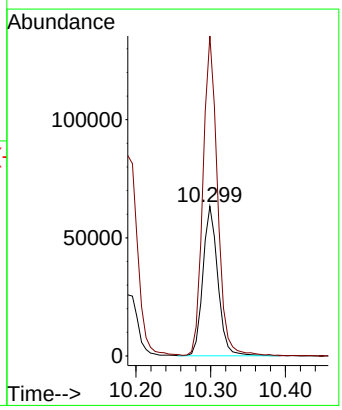


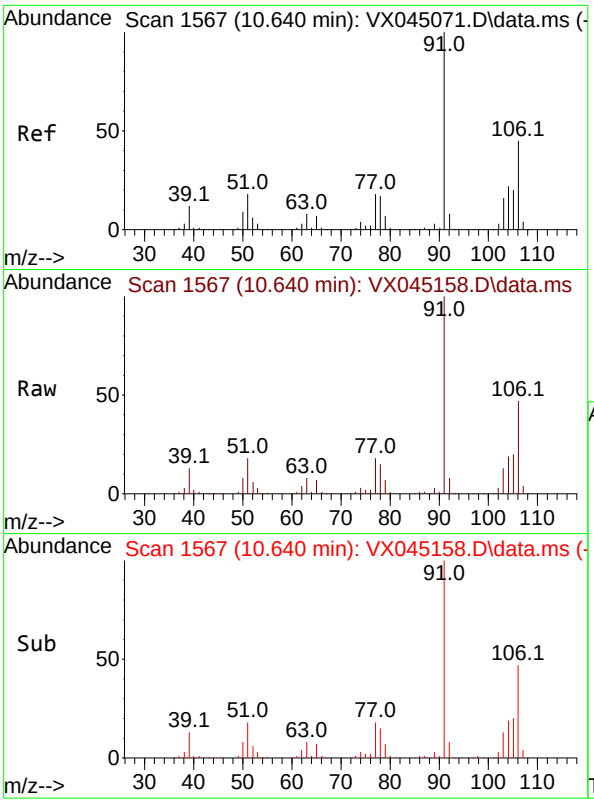


#68
m/p-Xylenes
Concen: 43.986 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:106 Resp: 87720

Ion	Ratio	Lower	Upper
106	100		
91	208.7	165.4	248.0

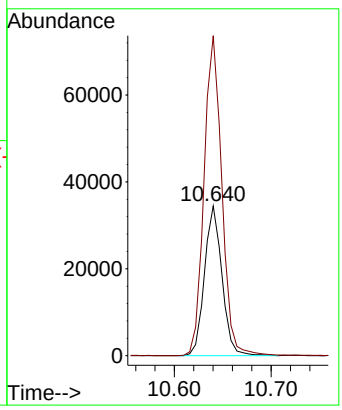




#69
o-Xylene
Concen: 21.539 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:106 Resp: 4332

Ion	Ratio	Lower	Upper
106	100		
91	218.3	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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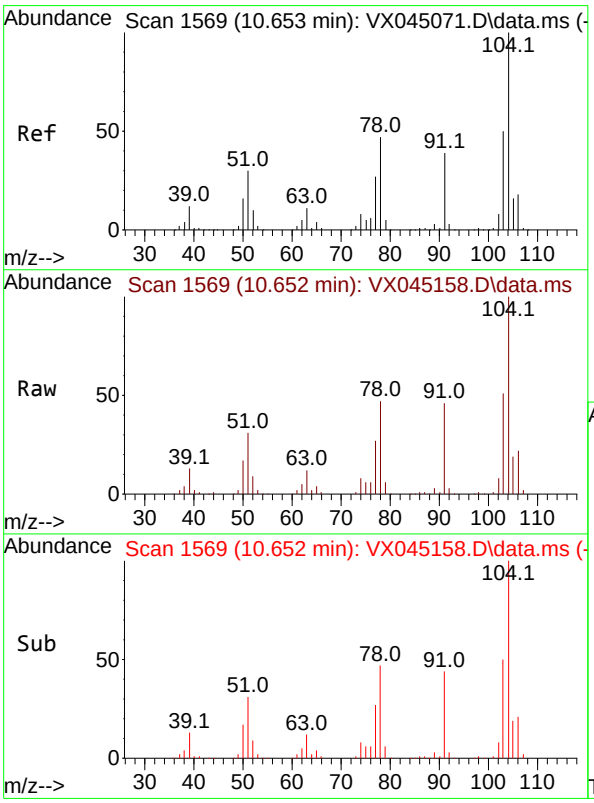
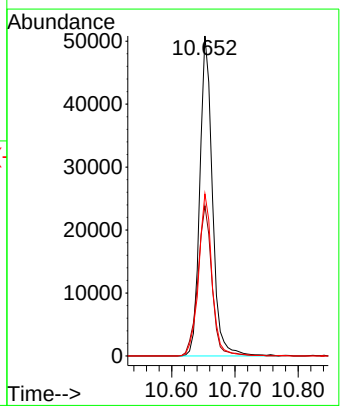
Supervised By :Mahesh Dadoda 03/10/2025

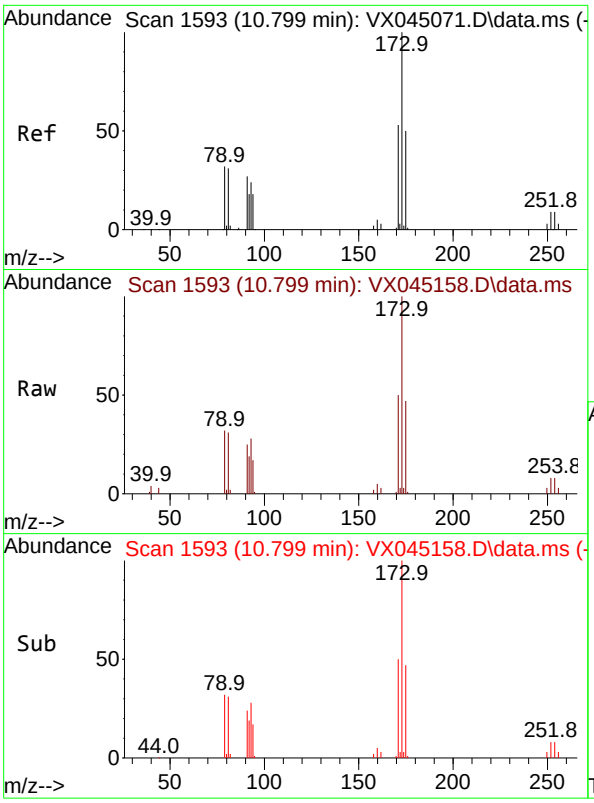


#70
Styrene
Concen: 21.700 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:104 Resp: 70623

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.2	63.4
103	53.9	43.8	65.8





#71
Bromoform
Concen: 19.408 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:173 Resp: 1523

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.6
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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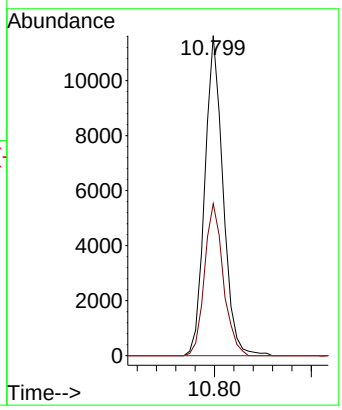
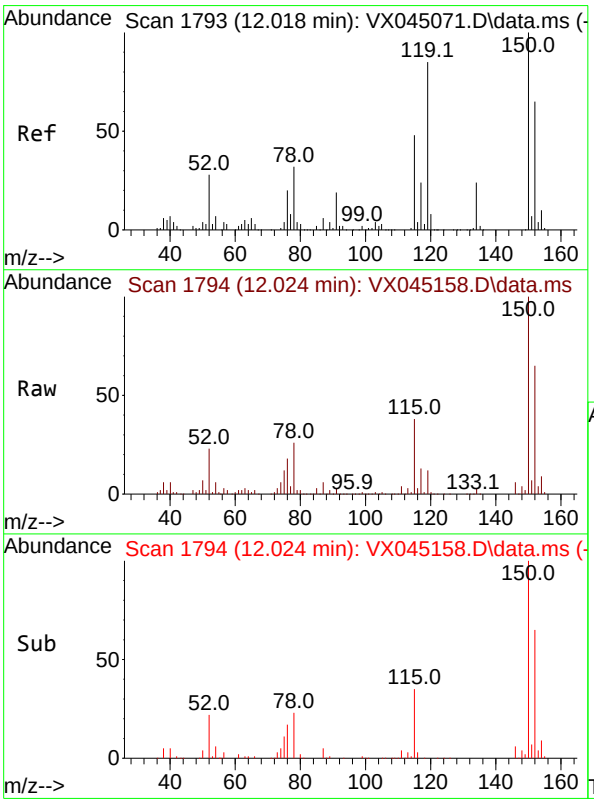
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

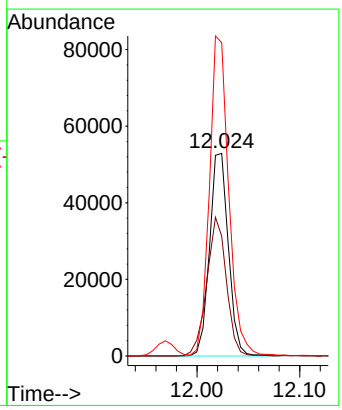


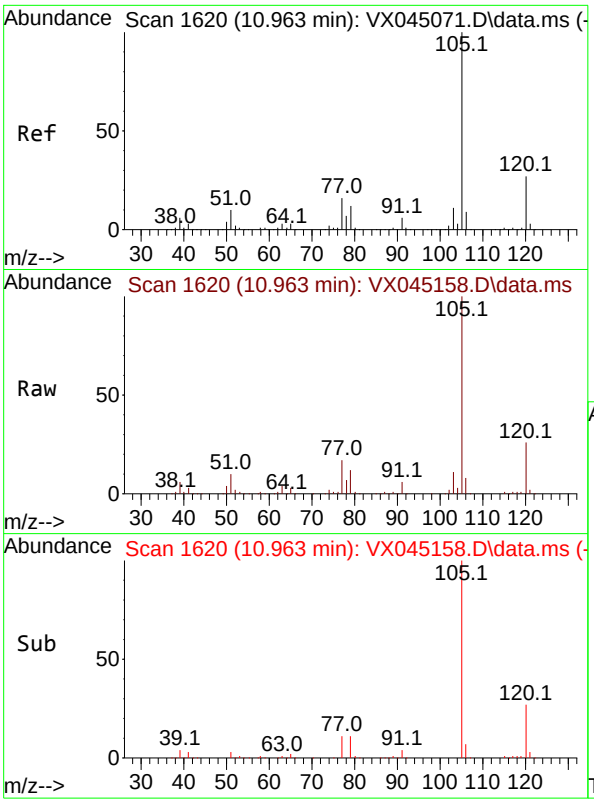


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:152 Resp: 67123

Ion	Ratio	Lower	Upper
152	100		
115	71.3	44.2	132.6
150	161.6	0.0	349.0

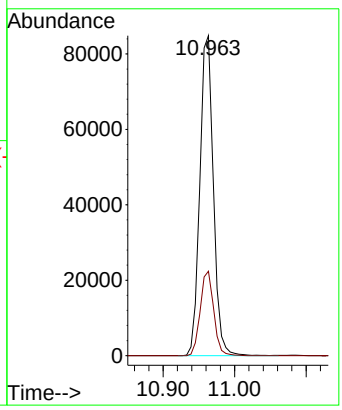




#73
Isopropylbenzene
Concen: 21.304 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:105 Resp: 11161

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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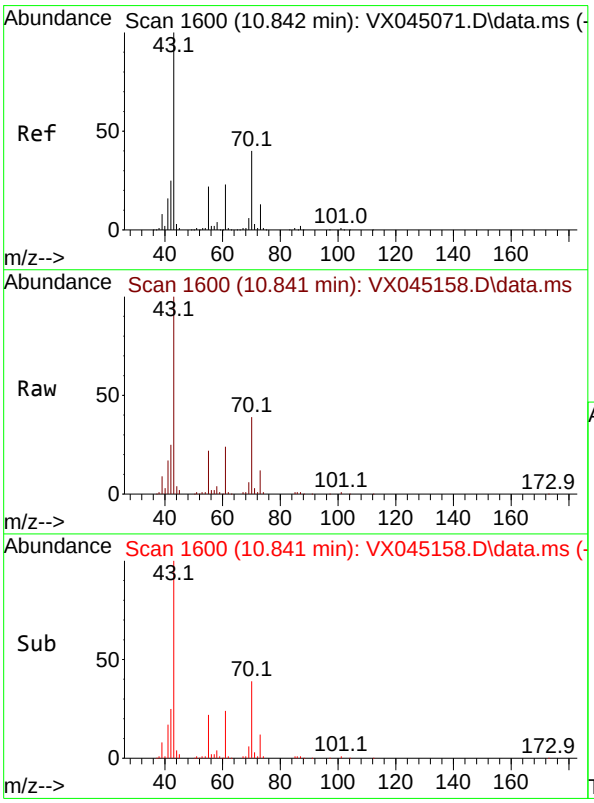
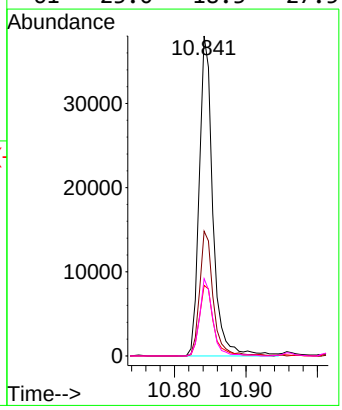
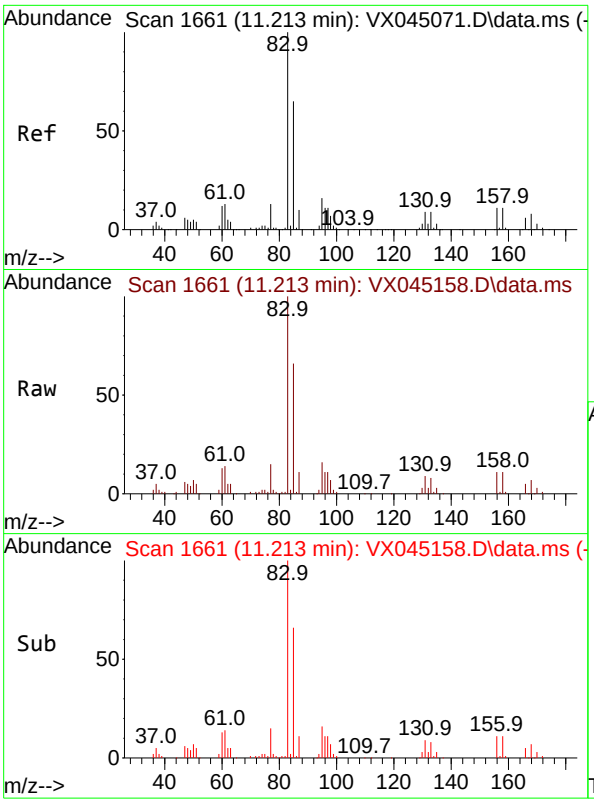


#74
N-amyl acetate
Concen: 20.428 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 43 Resp: 50220

Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.8	47.6
55	23.0	18.3	27.5
61	23.0	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 20.775 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 83 Resp: 3994

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	64.2	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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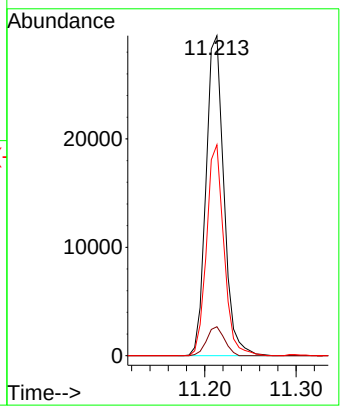
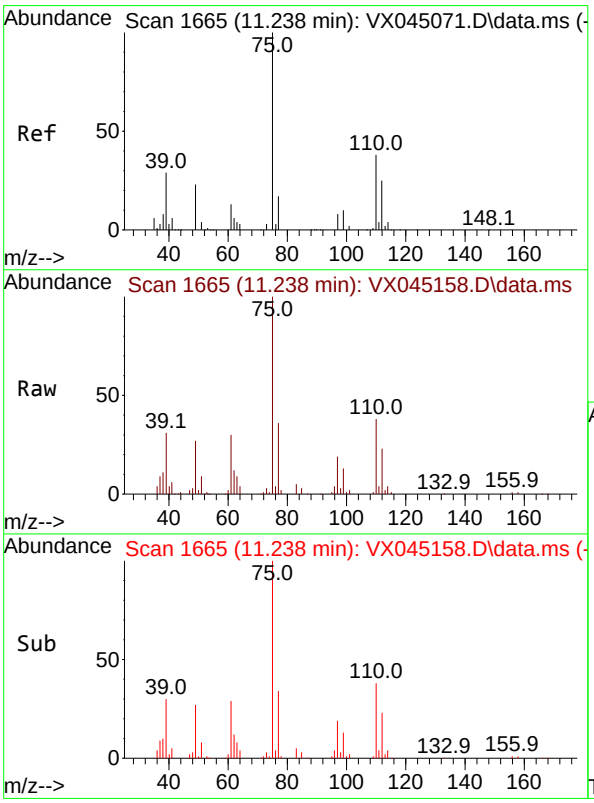
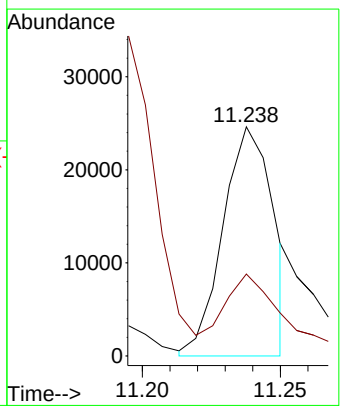


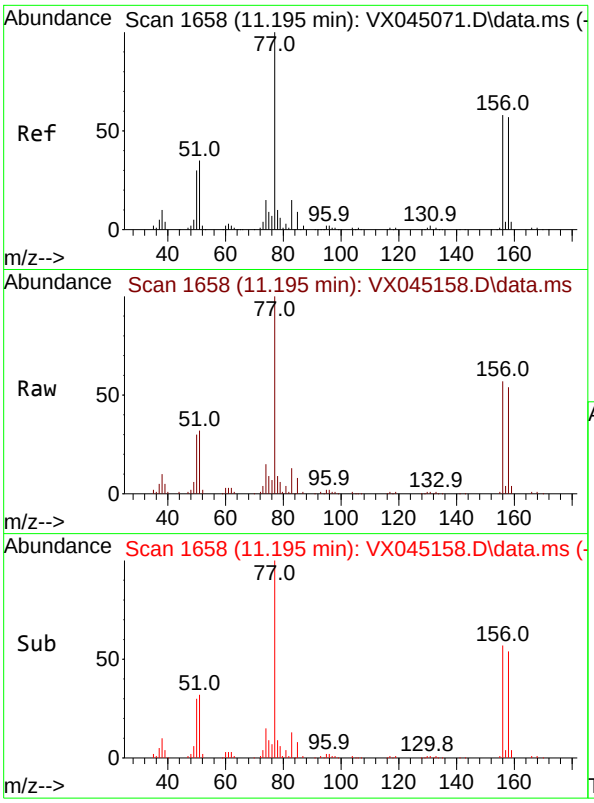


#76
1,2,3-Trichloropropane
Concen: 20.030 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 75 Resp: 31293

Ion	Ratio	Lower	Upper
75	100		
77	43.4	20.7	62.1





#77
Bromobenzene
Concen: 20.716 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:156 Resp: 2560

Ion	Ratio	Lower	Upper
156	100		
77	171.8	85.8	257.4
158	96.3	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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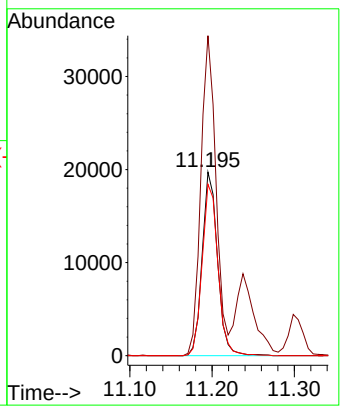
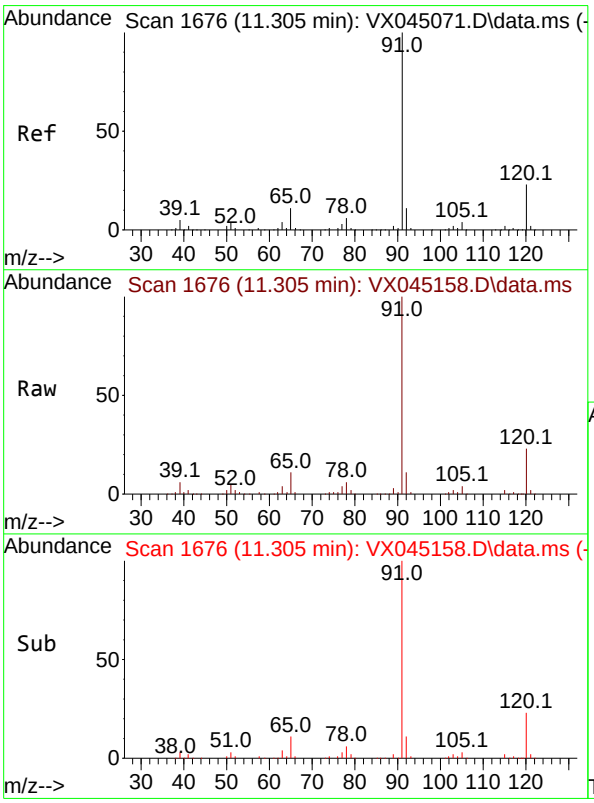
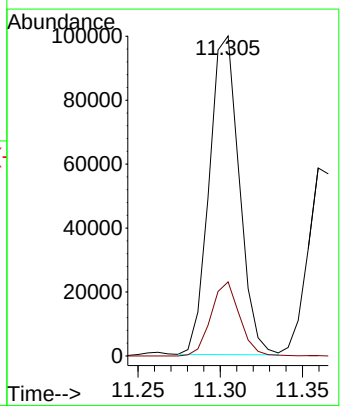


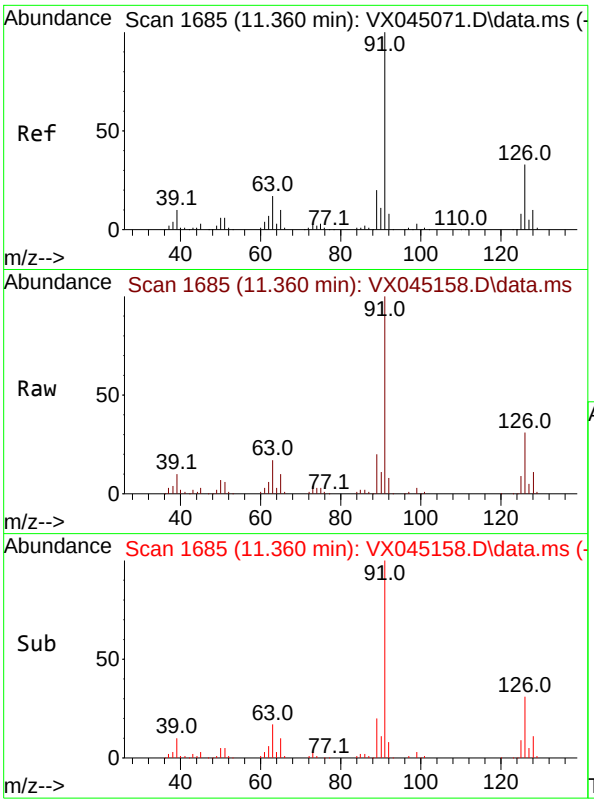


#78
n-propylbenzene
Concen: 21.423 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 91 Resp: 126790

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6





#79
2-Chlorotoluene
Concen: 20.533 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 91 Resp: 7739

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

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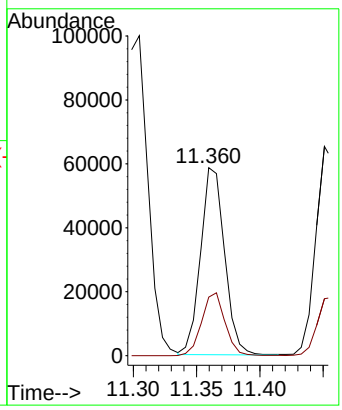
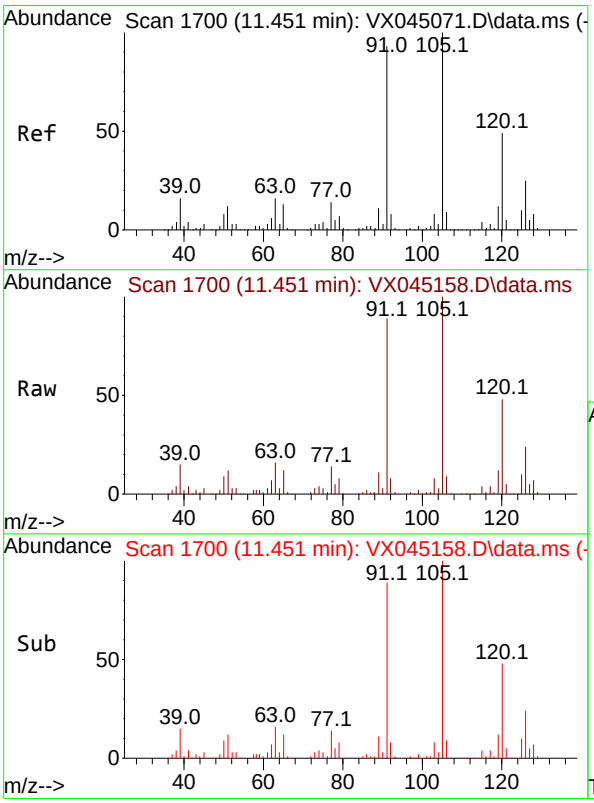
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

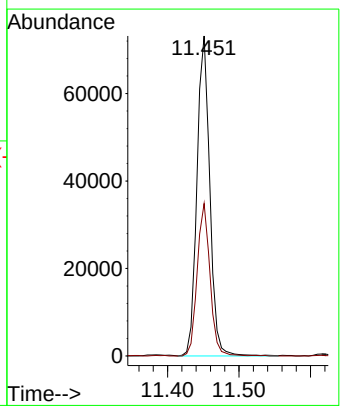


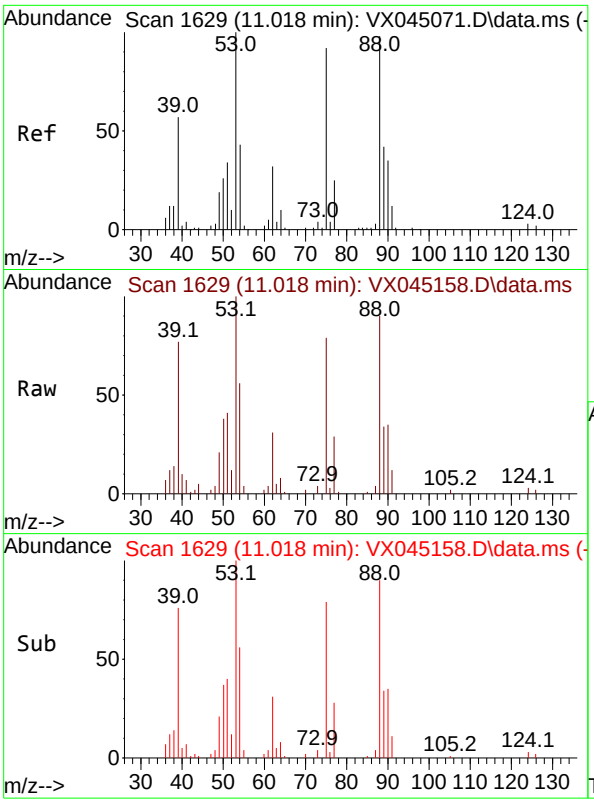


#80
1,3,5-Trimethylbenzene
Concen: 21.511 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:105 Resp: 91126

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 16.954 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

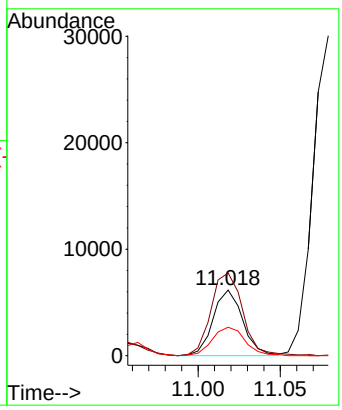
Tgt Ion: 75 Resp: 774

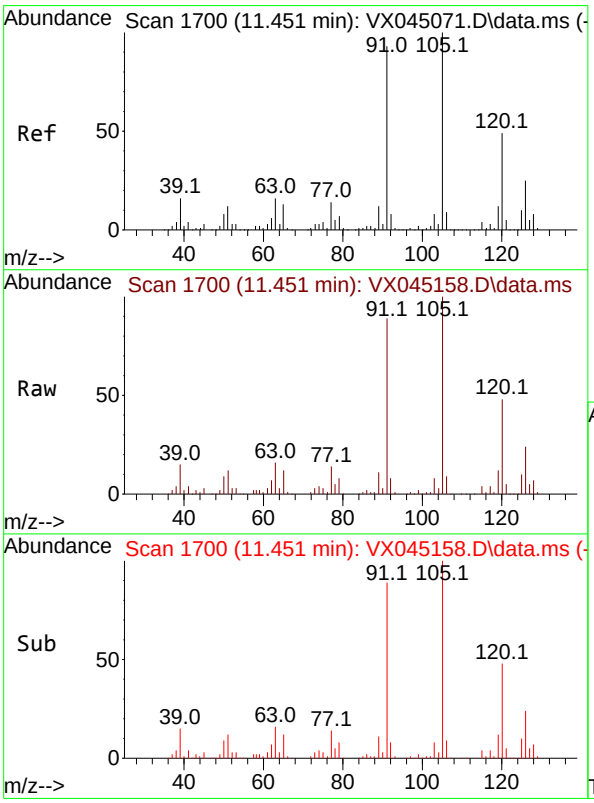
Ion	Ratio	Lower	Upper
75	100		
53	135.5	88.5	132.7#
89	47.9	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

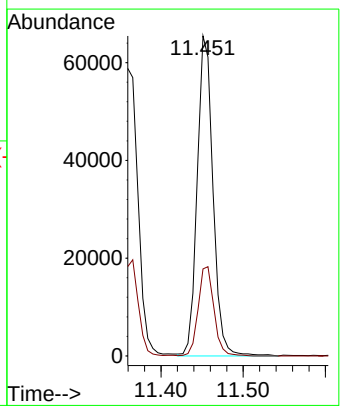


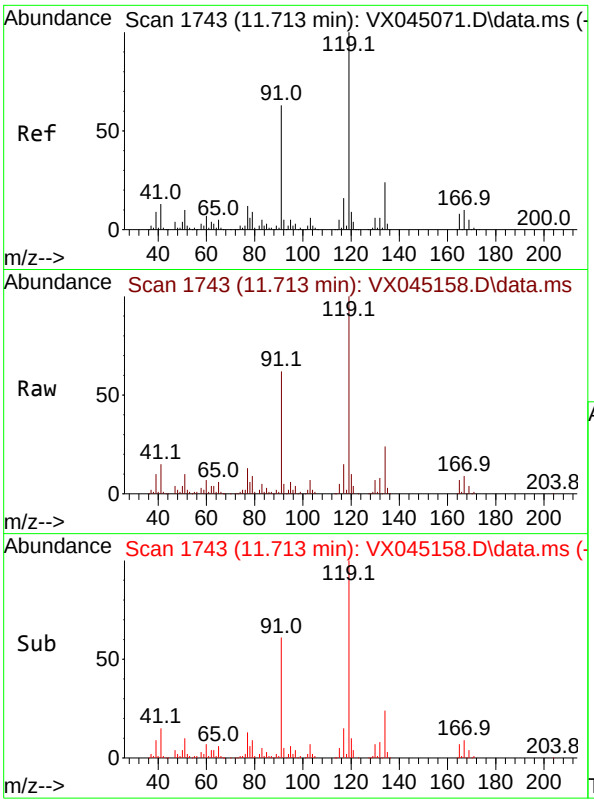


#82
4-Chlorotoluene
Concen: 21.257 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 91 Resp: 87322

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

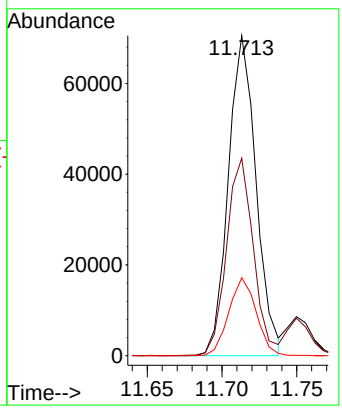




#83
tert-Butylbenzene
Concen: 20.921 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:119 Resp: 9106

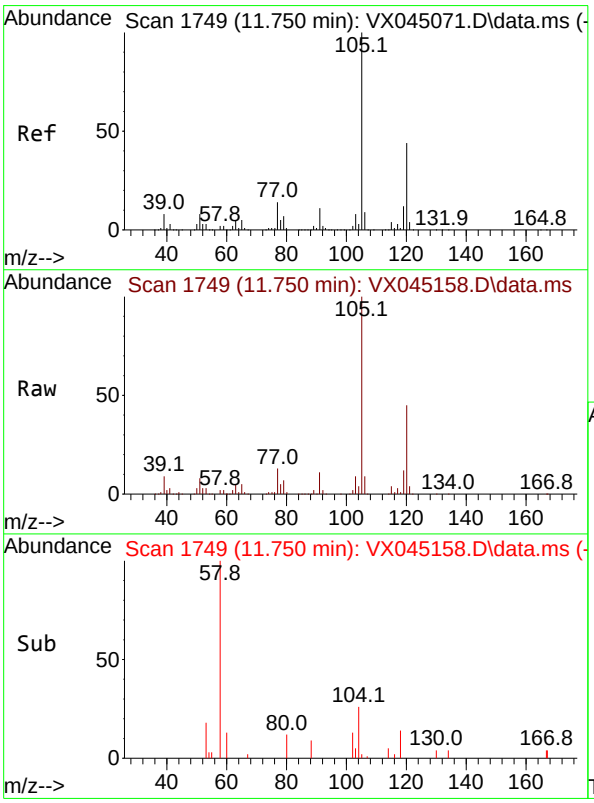
Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.7	92.1
134	24.1	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
APPROVED

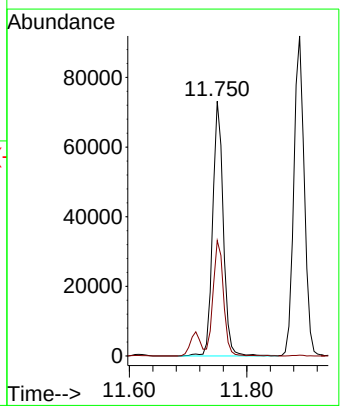
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

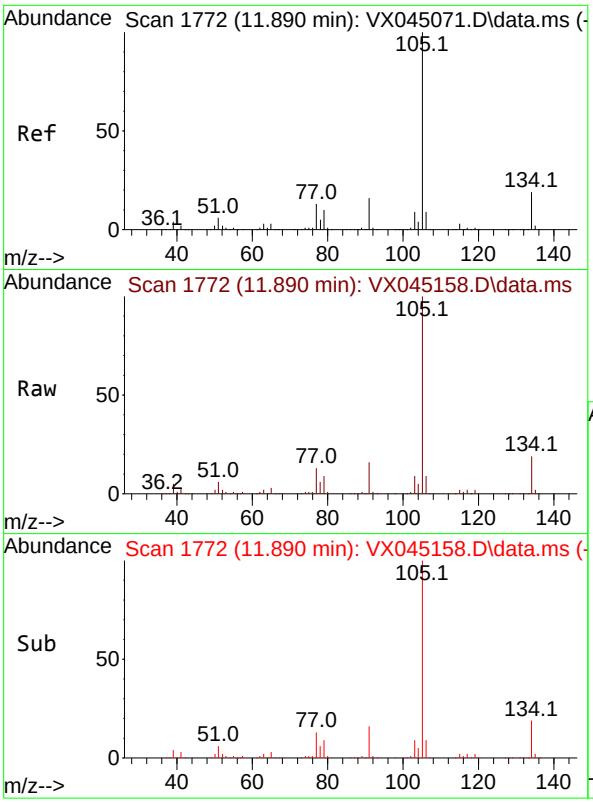


#84
1,2,4-Trimethylbenzene
Concen: 21.544 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:105 Resp: 91832

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1





#85
sec-Butylbenzene
Concen: 21.656 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

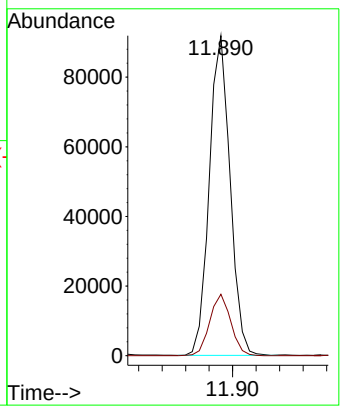
Tgt Ion:105 Resp: 11291

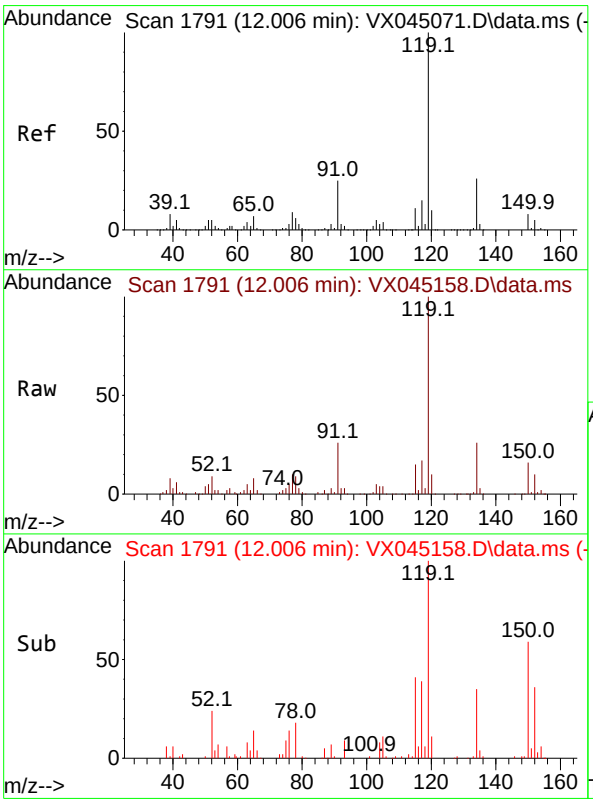
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

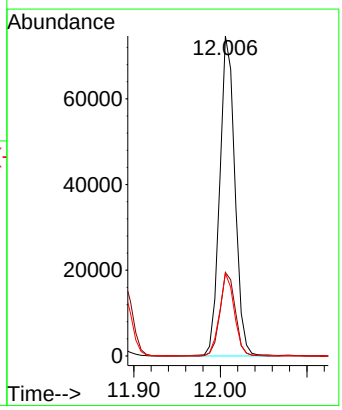


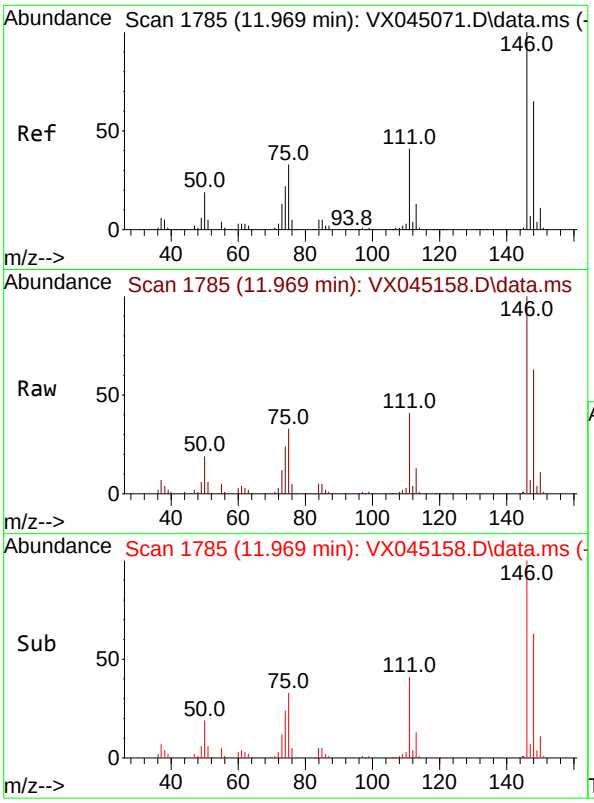


#86
p-Isopropyltoluene
Concen: 21.589 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:119 Resp: 90968

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	25.1	12.7	38.0





#87
1,3-Dichlorobenzene
Concen: 20.761 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

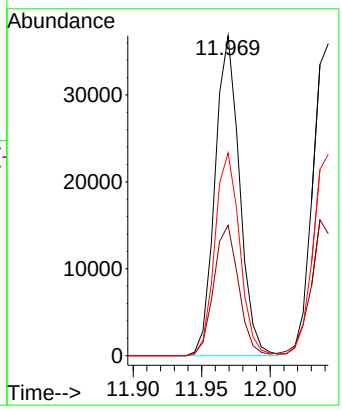
Tgt Ion:146 Resp: 4578

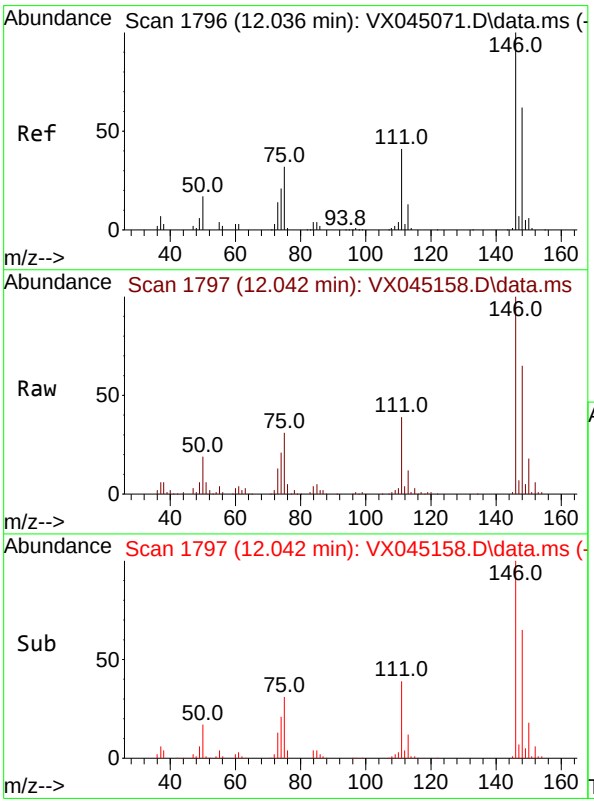
Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.4
148	64.3	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

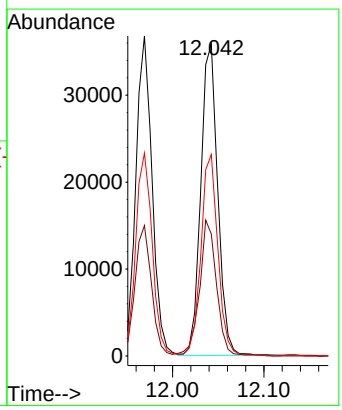


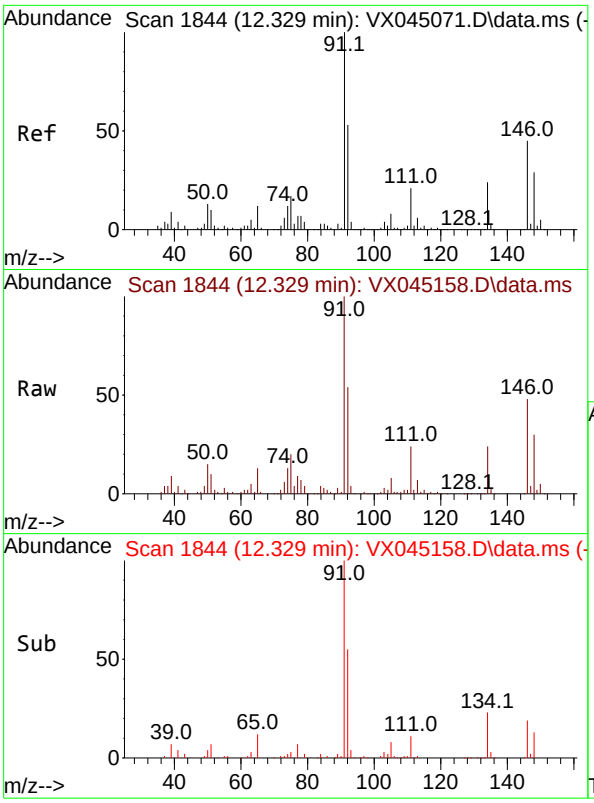


#88
1,4-Dichlorobenzene
Concen: 20.703 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:146 Resp: 46189

Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.2	60.5
148	65.0	31.9	95.9

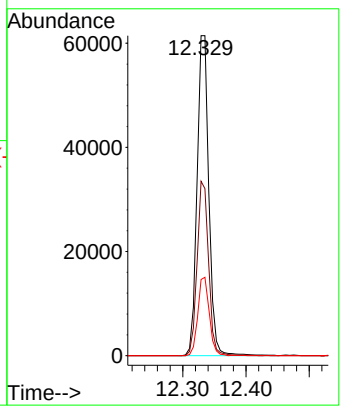




#89
n-Butylbenzene
Concen: 21.925 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 91 Resp: 7956

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.7	80.0
134	23.9	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
APPROVED

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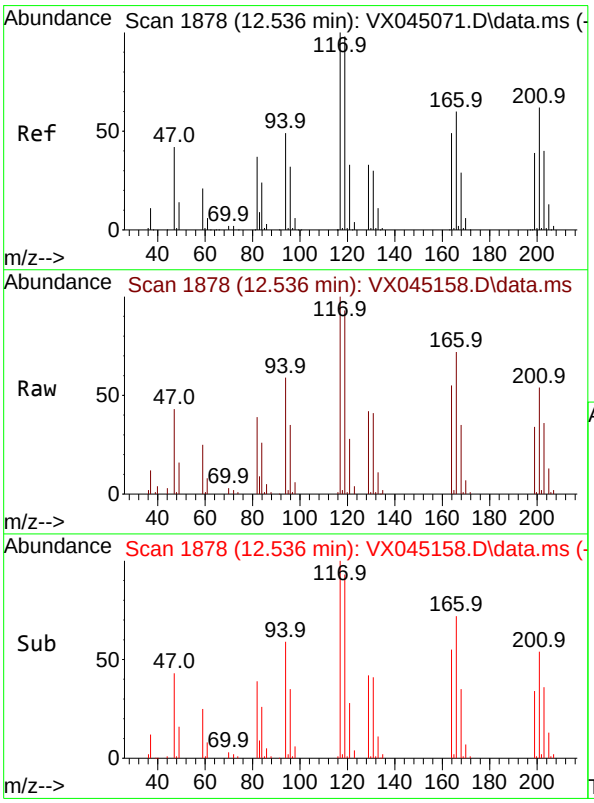
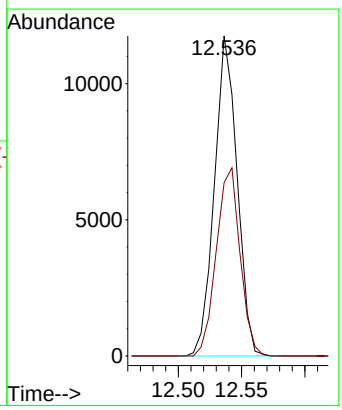
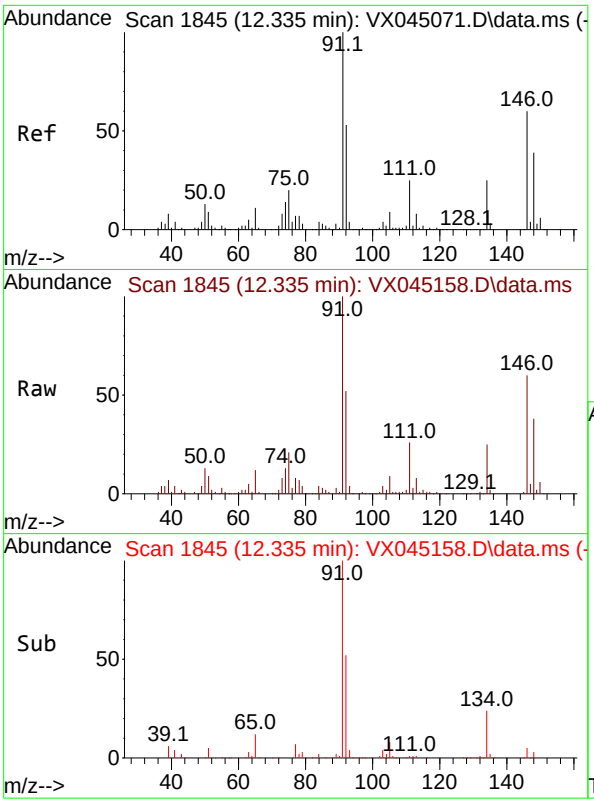


#90
Hexachloroethane
Concen: 19.200 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:117 Resp: 14633

Ion	Ratio	Lower	Upper
117	100		
201	61.6	31.9	95.9





#91
1,2-Dichlorobenzene
Concen: 21.087 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Tgt Ion:146 Resp: 4664

Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.6	65.0
148	64.5	31.9	95.9

Manual Integrations
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Reviewed By :John Carlone 03/10/2025
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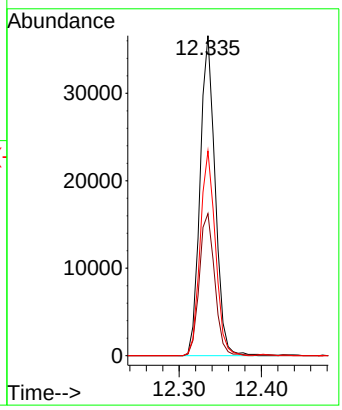
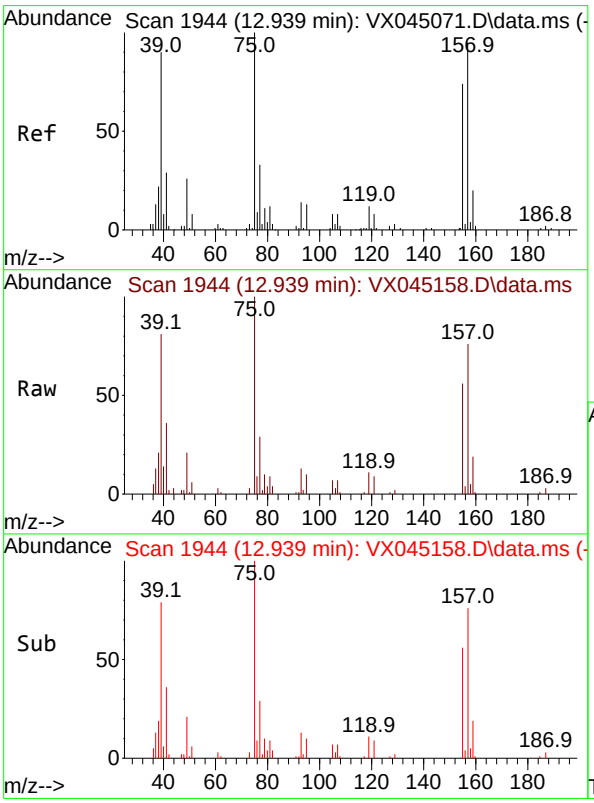
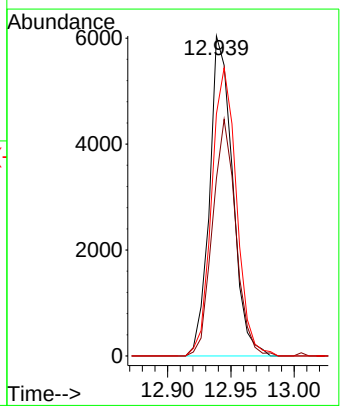


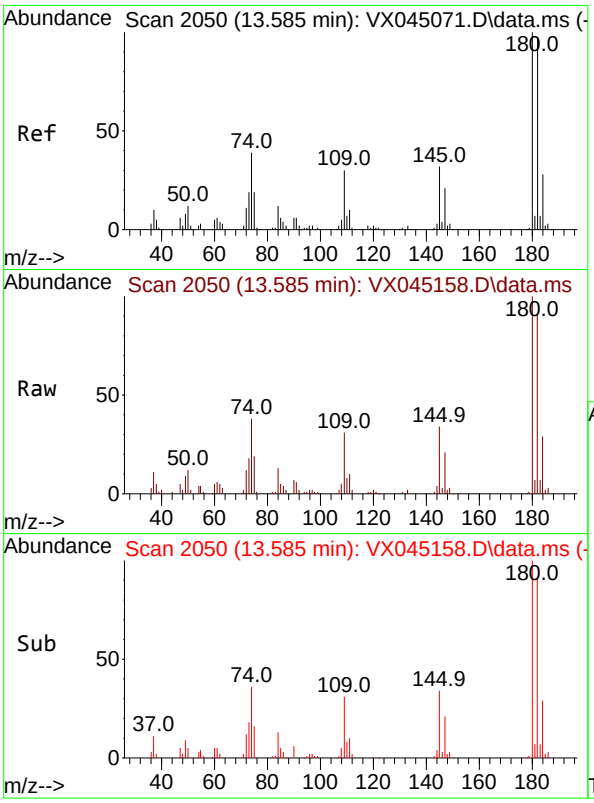


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.400 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion: 75 Resp: 7641

Ion	Ratio	Lower	Upper
75	100		
155	74.8	39.6	118.7
157	97.2	51.1	153.4





#93
1,2,4-Trichlorobenzene
Concen: 21.219 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Tgt Ion:180 Resp: 2672

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.9
145	32.6	16.3	48.9

Manual Integrations
APPROVED

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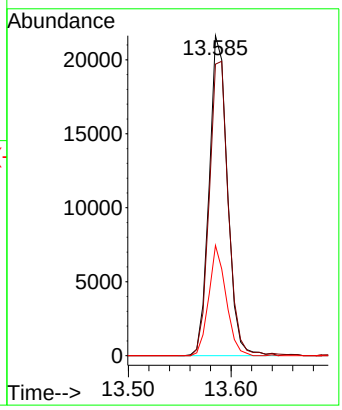
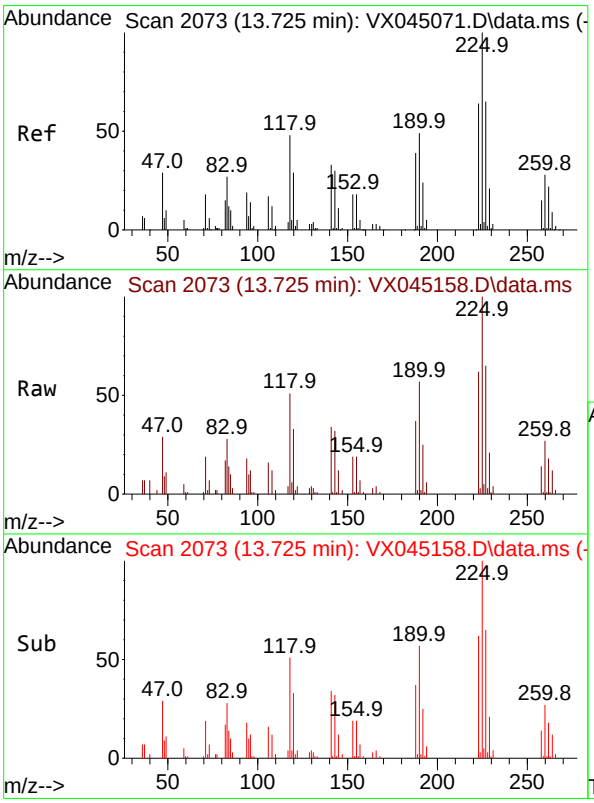
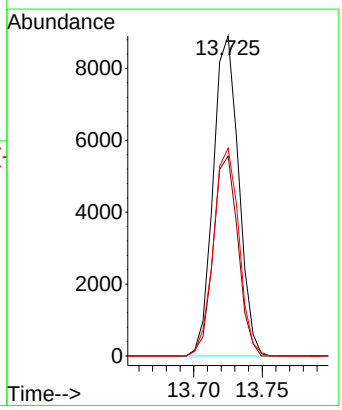


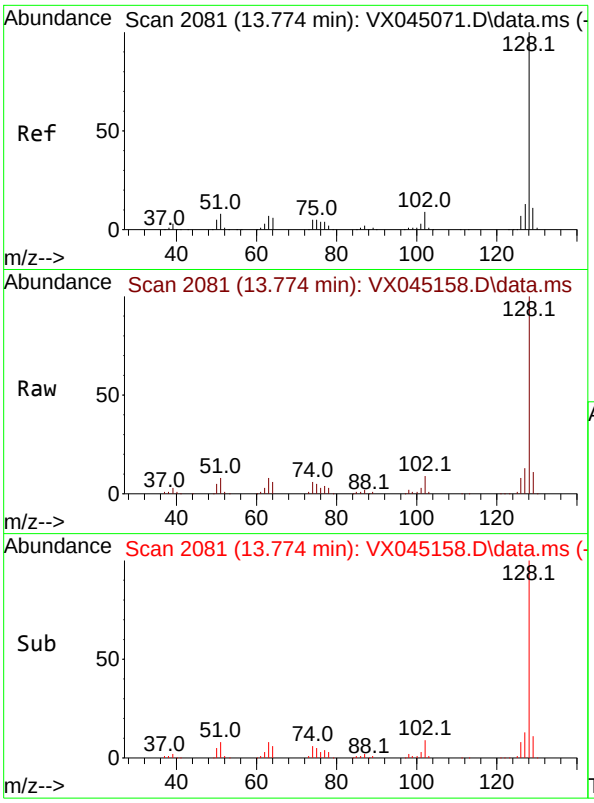


#94
Hexachlorobutadiene
Concen: 22.224 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:225 Resp: 11477

Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.9	95.7
227	65.2	31.4	94.0

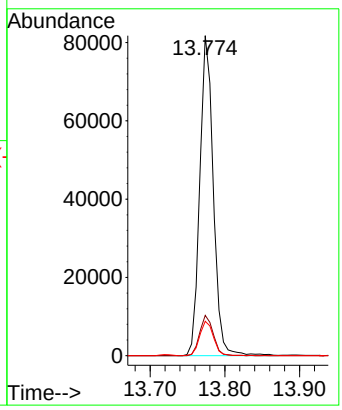




#95
Naphthalene
Concen: 21.254 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:128 Resp: 10285

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	11.0	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
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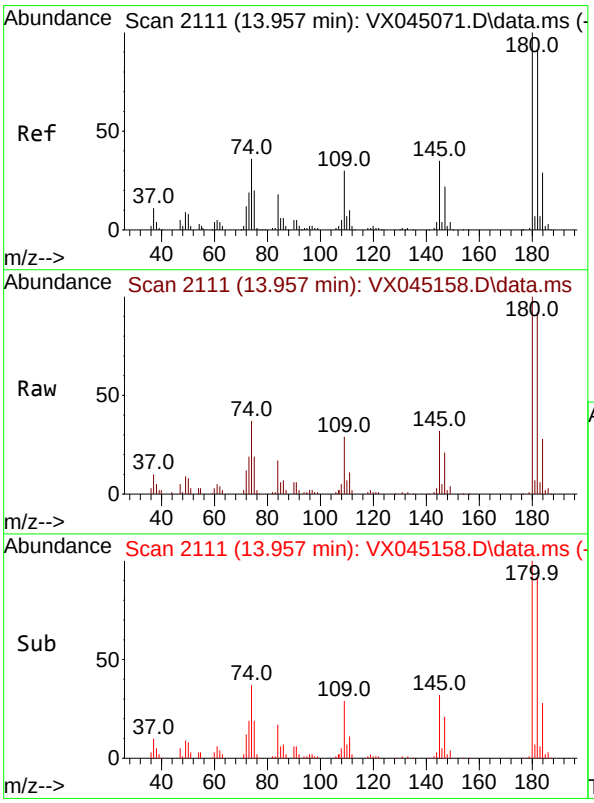
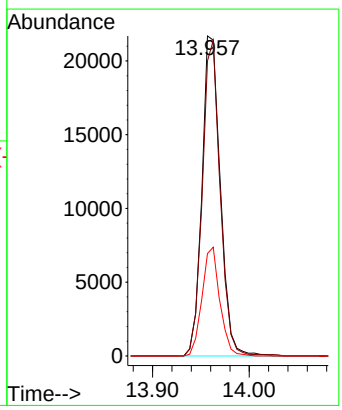


#96
1,2,3-Trichlorobenzene
Concen: 21.647 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045158.D
Acq: 06 Mar 2025 11:10

Tgt Ion:180 Resp: 28765

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	32.9	17.0	50.9



Raw Data: **VY021428.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBS01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021428.D	1		03/06/25 12:33	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.0		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.0		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		0.78	5.00	ug/Kg
67-64-1	Acetone	79.7		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.7		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.0		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.6		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.2		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.69	5.00	ug/Kg
78-93-3	2-Butanone	93.5		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.5		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.7		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.7		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.2		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.7		0.87	5.00	ug/Kg
71-43-2	Benzene	19.4		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.2		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.8		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.8		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	19.2		0.67	5.00	ug/Kg

Raw Data: **VY021428.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBS01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021428.D	1		03/06/25 12:33	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	98.1		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.3		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.6		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	17.8		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	36.6		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.2		0.70	5.00	ug/Kg
100-42-5	Styrene	18.6		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.8		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.1		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.8		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.7		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.0		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	18.2		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.3		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.4		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		70 (38) - 130 (136)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	7.707			
540-36-3	1,4-Difluorobenzene	318000	8.616			
3114-55-4	Chlorobenzene-d5	293000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.346			

Raw Data: **VY021428.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBS01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021428.D	1		03/06/25 12:33	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021428.D
Acq On : 06 Mar 2025 12:33
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 00:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	200172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	318431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	292608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112611	53.226	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.460%			
35) Dibromofluoromethane	7.634	113	104961	50.146	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.300%			
50) Toluene-d8	10.109	98	392444	49.519	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.040%			
62) 4-Bromofluorobenzene	12.408	95	136984	50.814	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	33007	17.969	ug/l	94
3) Chloromethane	2.068	50	52532	20.284	ug/l	98
4) Vinyl Chloride	2.202	62	56741	20.049	ug/l	96
5) Bromomethane	2.592	94	44636	21.822	ug/l	98
6) Chloroethane	2.733	64	39312	21.019	ug/l	98
7) Trichlorofluoromethane	3.056	101	79025	20.005	ug/l	96
8) Diethyl Ether	3.452	74	22647	20.687	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	44869	19.895	ug/l	96
10) Methyl Iodide	4.007	142	41886	18.270	ug/l	99
11) Tert butyl alcohol	4.866	59	15090	95.800	ug/l	100
12) 1,1-Dichloroethene	3.781	96	39325	19.125	ug/l	93
13) Acrolein	3.647	56	17379	161.496	ug/l	92
14) Allyl chloride	4.385	41	63708	19.172	ug/l	100
15) Acrylonitrile	5.061	53	47217	101.322	ug/l	99
16) Acetone	3.879	43	36769	79.681	ug/l	90
17) Carbon Disulfide	4.104	76	120251	18.661	ug/l	99
18) Methyl Acetate	4.385	43	21063	20.572	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	104134	19.981	ug/l	95
20) Methylene Chloride	4.616	84	46665	19.265	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	44042	19.126	ug/l	94
22) Diisopropyl ether	6.019	45	146814	20.501	ug/l	99
23) Vinyl Acetate	5.964	43	414075	101.317	ug/l	99
24) 1,1-Dichloroethane	5.915	63	85556	20.243	ug/l	99
25) 2-Butanone	6.896	43	59669	93.477	ug/l	100
26) 2,2-Dichloropropane	6.884	77	69379	17.840	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	51434	19.661	ug/l	98
28) Bromochloromethane	7.244	49	36673	20.697	ug/l	98
29) Tetrahydrofuran	7.268	42	40269	102.187	ug/l	99
30) Chloroform	7.421	83	88331	20.126	ug/l	100
31) Cyclohexane	7.701	56	73140	18.459	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	77342	19.246	ug/l	99
36) 1,1-Dichloropropene	7.835	75	61060	18.637	ug/l	99
37) Ethyl Acetate	6.982	43	28431	19.633	ug/l	99
38) Carbon Tetrachloride	7.817	117	69637	18.481	ug/l	96
39) Methylcyclohexane	9.109	83	71256	17.731	ug/l	95
40) Benzene	8.079	78	186841	19.359	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021428.D
Acq On : 06 Mar 2025 12:33
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 00:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	16604m	21.058	ug/l		
42) 1,2-Dichloroethane	8.158	62	54457	20.169	ug/l		99
43) Isopropyl Acetate	8.195	43	55820	19.857	ug/l	#	88
44) Trichloroethene	8.866	130	45767	18.765	ug/l		94
45) 1,2-Dichloropropane	9.140	63	46505	20.246	ug/l		96
46) Dibromomethane	9.231	93	26168	20.474	ug/l		97
47) Bromodichloromethane	9.420	83	67190	19.796	ug/l		98
48) Methyl methacrylate	9.219	41	24974	19.347	ug/l		99
49) 1,4-Dioxane	9.225	88	5504	438.744	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.000	43	146138	100.753	ug/l		98
52) Toluene	10.170	92	117027	19.233	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	58703	19.631	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	68234	19.219	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	33464	20.016	ug/l		98
56) Ethyl methacrylate	10.438	69	41900	19.651	ug/l		97
57) 1,3-Dichloropropane	10.719	76	58893	20.324	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	107422	109.136	ug/l		98
59) 2-Hexanone	10.762	43	94061	98.075	ug/l		98
60) Dibromochloromethane	10.914	129	45747	19.959	ug/l		98
61) 1,2-Dibromoethane	11.018	107	31502	19.965	ug/l		100
64) Tetrachloroethene	10.646	164	43645	18.343	ug/l		99
65) Chlorobenzene	11.444	112	128656	18.619	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	45244	18.520	ug/l		99
67) Ethyl Benzene	11.518	91	216170	17.824	ug/l		99
68) m/p-Xylenes	11.633	106	168512	36.598	ug/l		100
69) o-Xylene	11.957	106	77025	18.151	ug/l		100
70) Styrene	11.969	104	130672	18.561	ug/l		99
71) Bromoform	12.133	173	25622	18.762	ug/l	#	97
73) Isopropylbenzene	12.255	105	205378	17.133	ug/l		100
74) N-amyl acetate	12.072	43	47083	18.086	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	39820	18.824	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	28901m	18.847	ug/l		
77) Bromobenzene	12.536	156	49192	17.541	ug/l		99
78) n-propylbenzene	12.597	91	254198	17.461	ug/l		100
79) 2-Chlorotoluene	12.682	91	146854	17.642	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	173931	17.854	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	12183	18.061	ug/l		96
82) 4-Chlorotoluene	12.780	91	154146	17.882	ug/l		100
83) tert-Butylbenzene	12.999	119	149456	17.198	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	173214	17.908	ug/l		98
85) sec-Butylbenzene	13.176	105	224638	17.373	ug/l		100
86) p-Isopropyltoluene	13.292	119	186440	17.502	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	98755	17.691	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	98346	18.014	ug/l		99
89) n-Butylbenzene	13.621	91	171737	17.459	ug/l		99
90) Hexachloroethane	13.883	117	39531	17.395	ug/l		100
91) 1,2-Dichlorobenzene	13.664	146	87199	18.225	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6144	19.390	ug/l		92
93) 1,2,4-Trichlorobenzene	14.925	180	45266	17.321	ug/l		98
94) Hexachlorobutadiene	15.029	225	29954	18.285	ug/l		99
95) Naphthalene	15.145	128	71743	18.264	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	38134	17.350	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021428.D
Acq On : 06 Mar 2025 12:33
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Quant Time: Mar 07 00:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

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

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

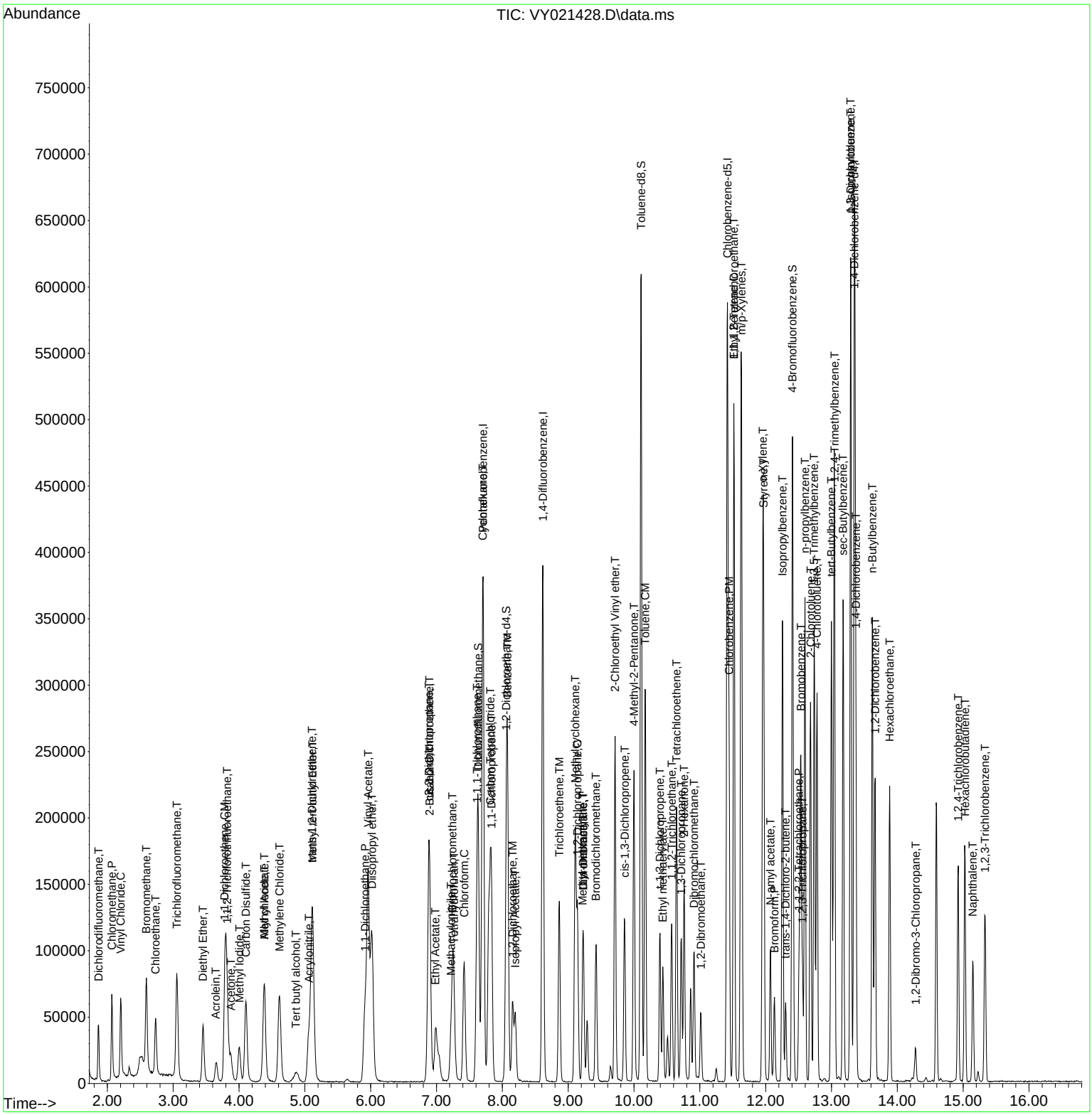
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021428.D
Acq On : 06 Mar 2025 12:33
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

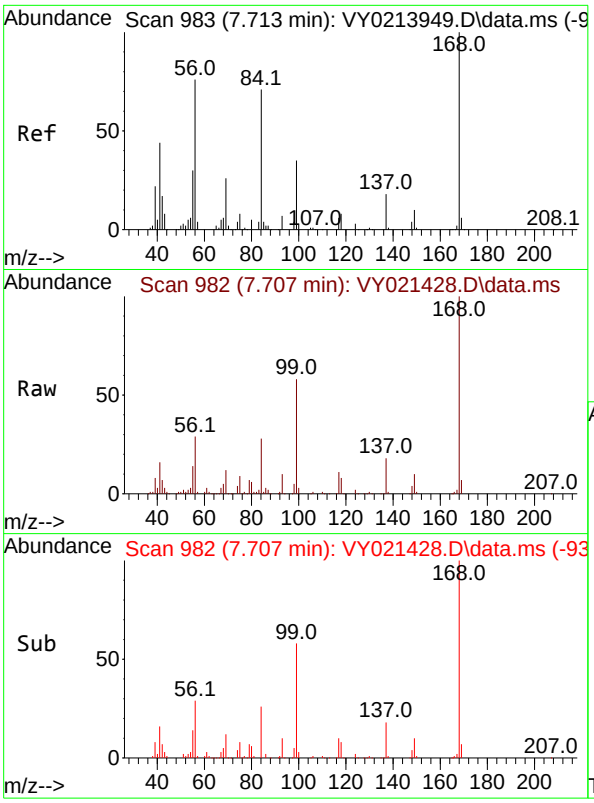
Quant Time: Mar 07 00:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

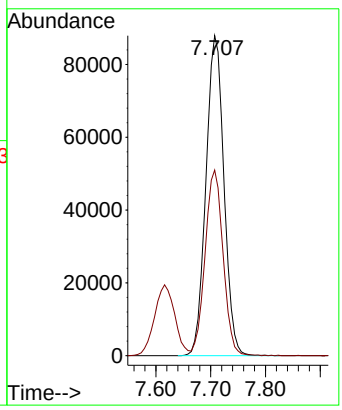




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:168 Resp: 20017

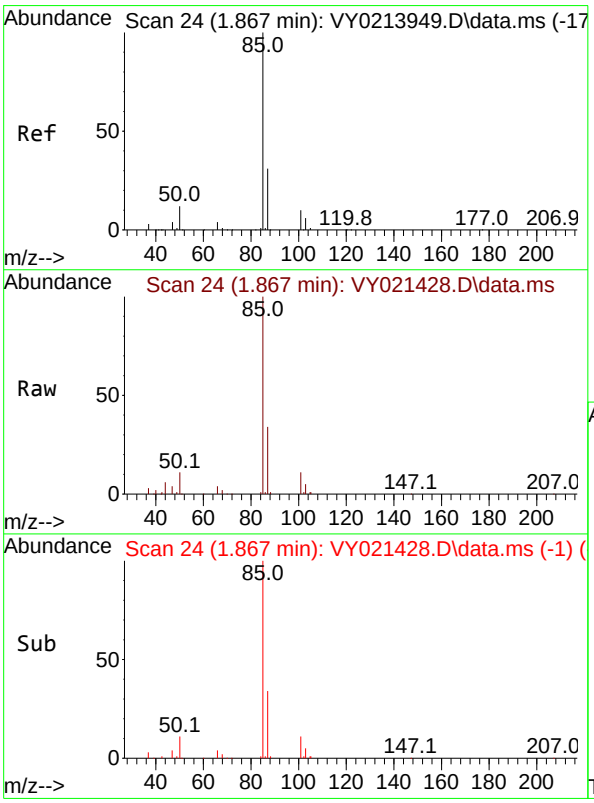
Ion	Ratio	Lower	Upper
168	100		
99	57.8	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

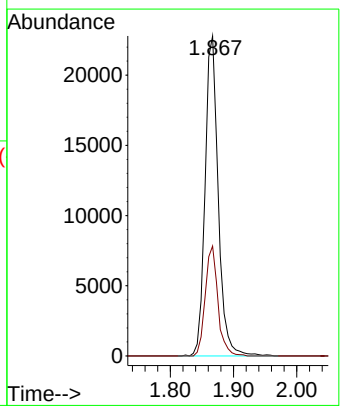
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

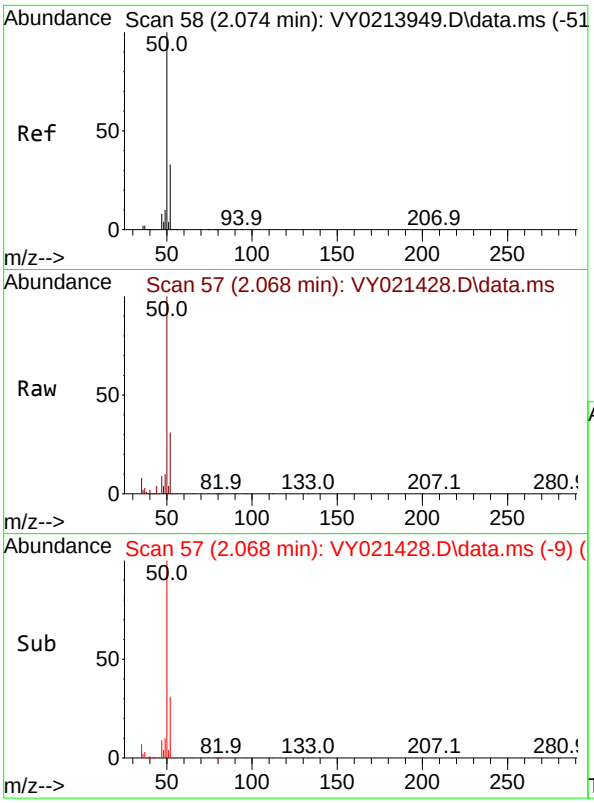


#2
Dichlorodifluoromethane
Concen: 17.969 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 85 Resp: 33007

Ion	Ratio	Lower	Upper
85	100		
87	34.4	15.7	47.0

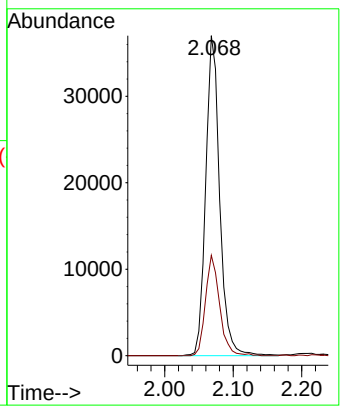




#3
Chloromethane
Concen: 20.284 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 50 Resp: 5253

Ion	Ratio	Lower	Upper
50	100		
52	31.3	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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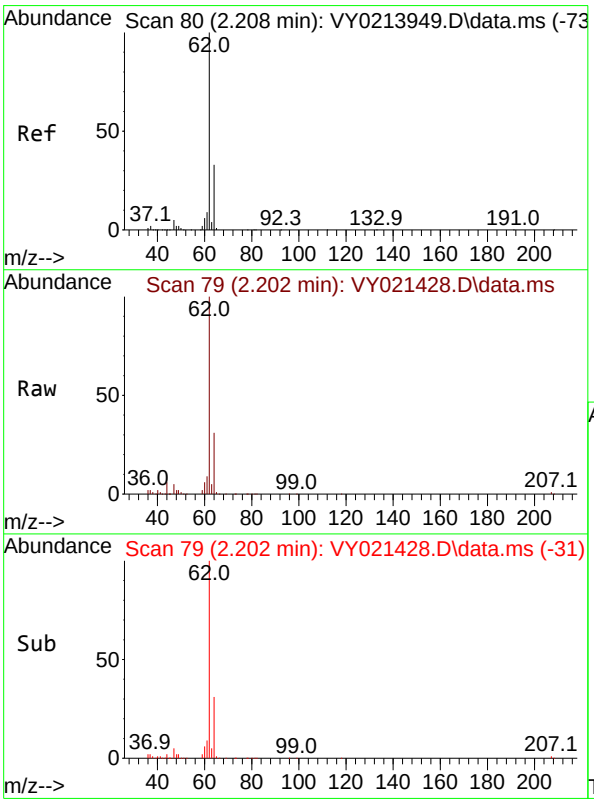
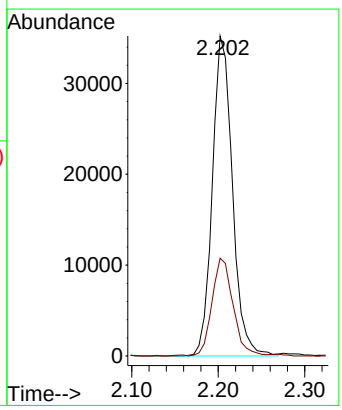
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

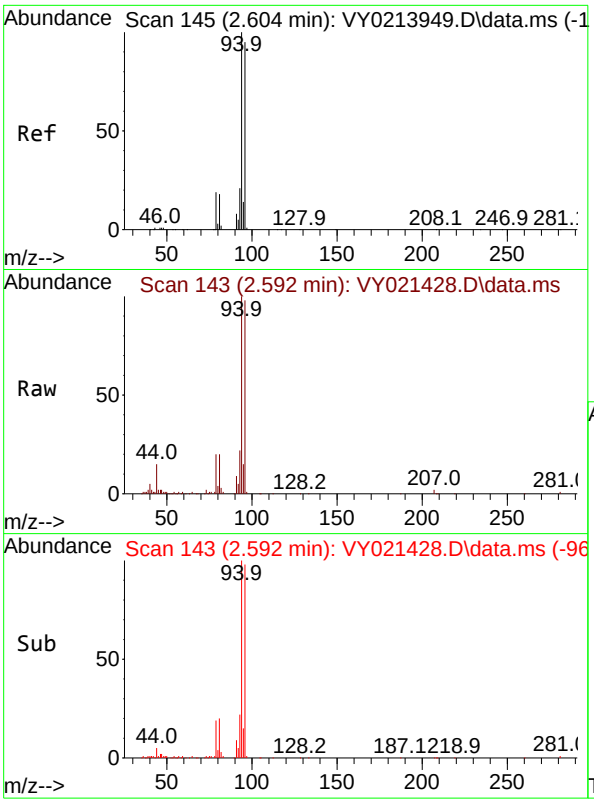


#4
Vinyl Chloride
Concen: 20.049 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 62 Resp: 56741

Ion	Ratio	Lower	Upper
62	100		
64	30.3	26.2	39.2

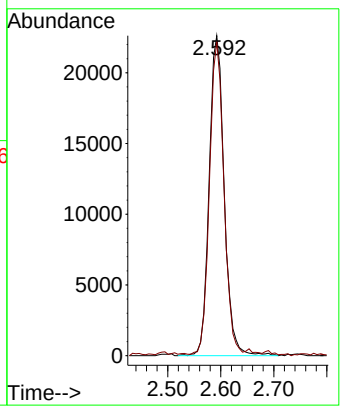




#5
Bromomethane
Concen: 21.822 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 94 Resp: 4463

Ion	Ratio	Lower	Upper
94	100		
96	97.8	76.3	114.5



Instrument :
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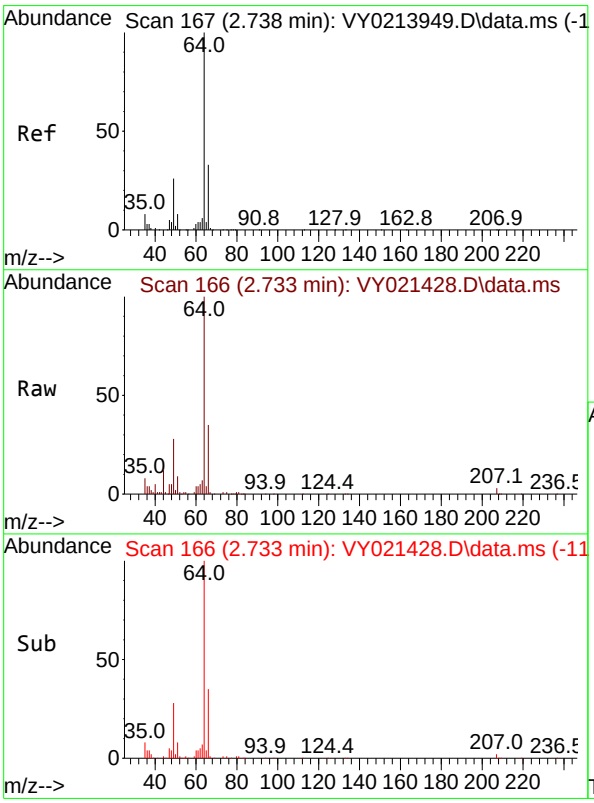
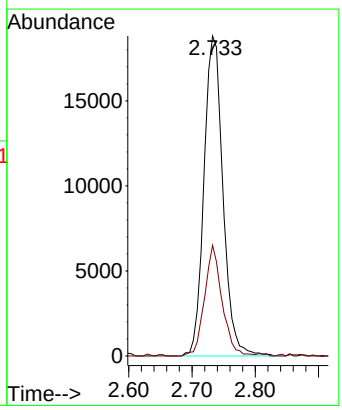
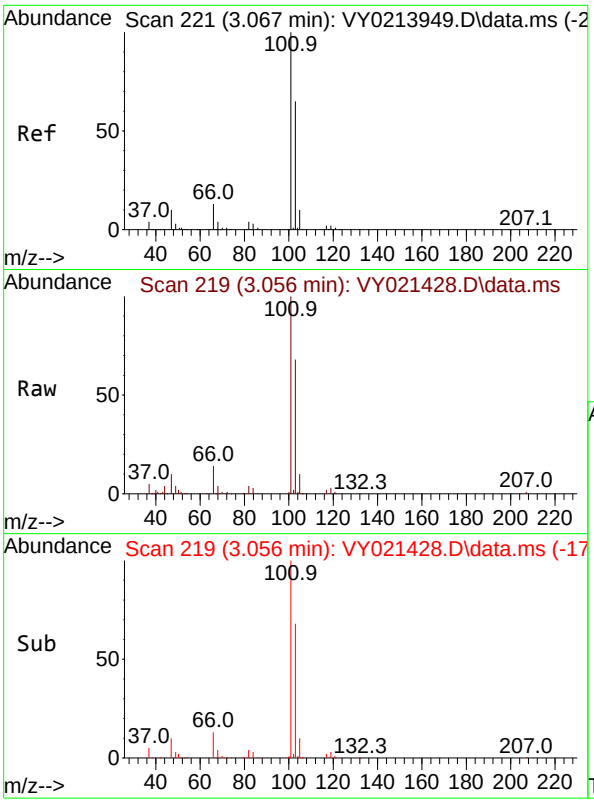


#6
Chloroethane
Concen: 21.019 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 64 Resp: 39312

Ion	Ratio	Lower	Upper
64	100		
66	34.6	26.7	40.1

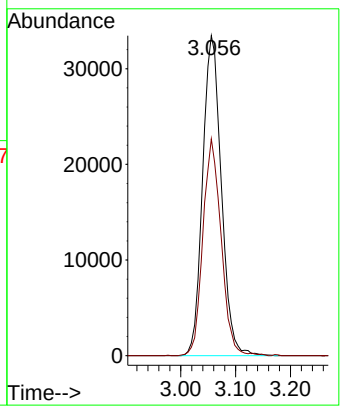




#7
Trichlorofluoromethane
Concen: 20.005 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:101 Resp: 7902

Ion	Ratio	Lower	Upper
101	100		
103	67.7	51.7	77.5



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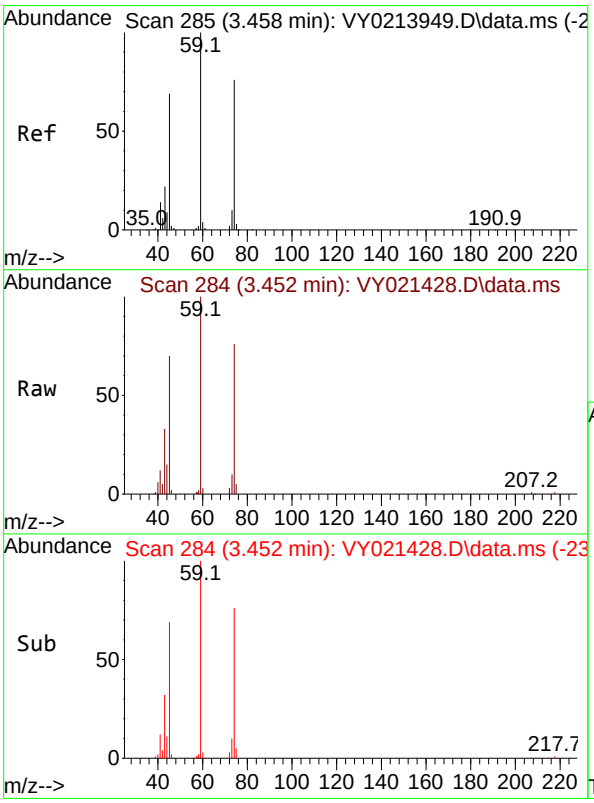
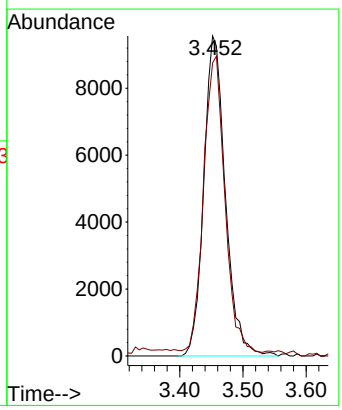
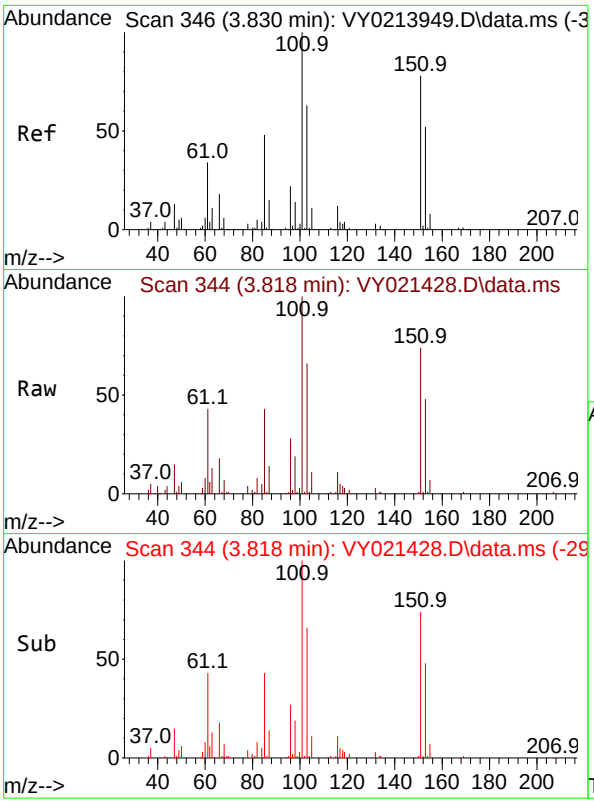


#8
Diethyl Ether
Concen: 20.687 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 74 Resp: 22647

Ion	Ratio	Lower	Upper
74	100		
45	91.3	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.895 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:101 Resp: 4486

Ion	Ratio	Lower	Upper
101	100		
85	44.7	37.1	55.7
151	73.0	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
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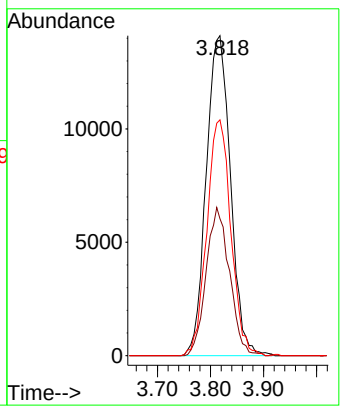
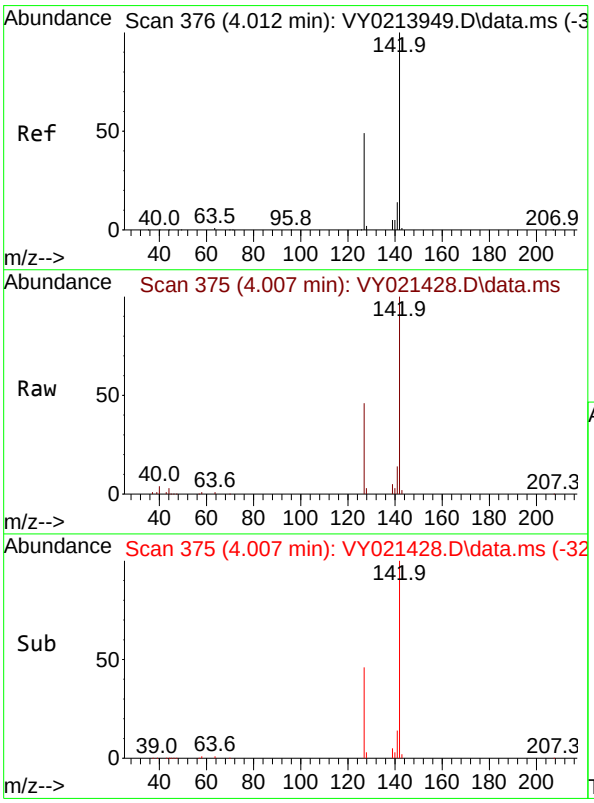
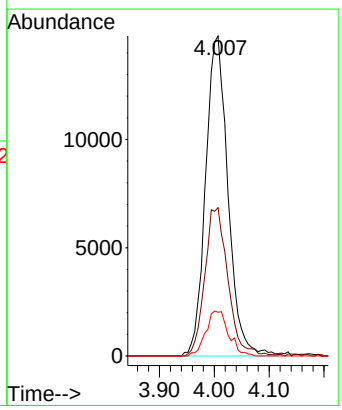


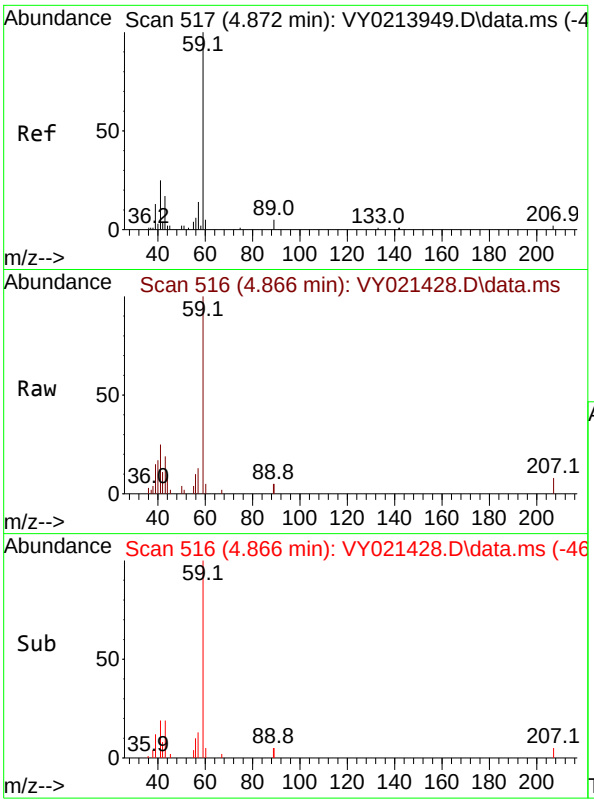


#10
Methyl Iodide
Concen: 18.270 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:142 Resp: 41886

Ion	Ratio	Lower	Upper
142	100		
127	47.9	39.1	58.7
141	14.3	11.8	17.6

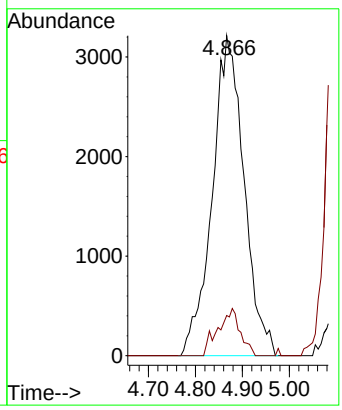




#11
Tert butyl alcohol
Concen: 95.800 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 59 Resp: 1509

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4



Instrument :
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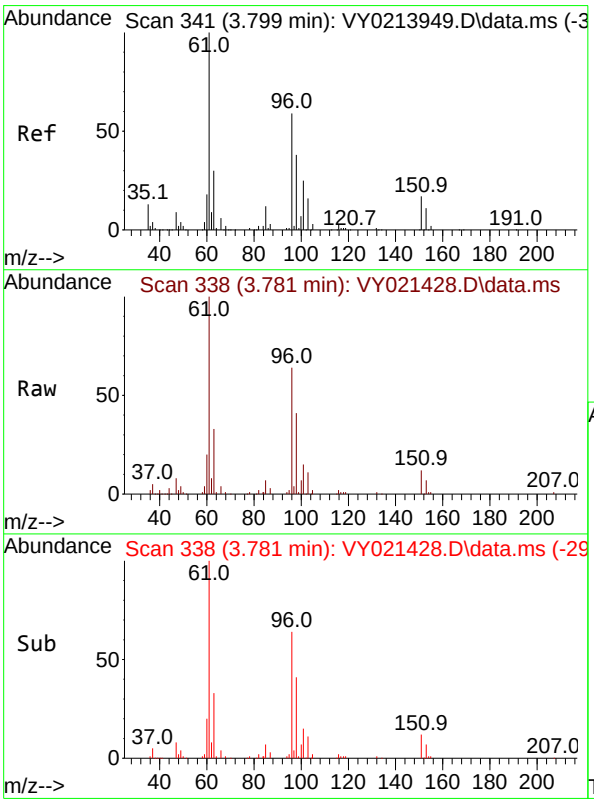
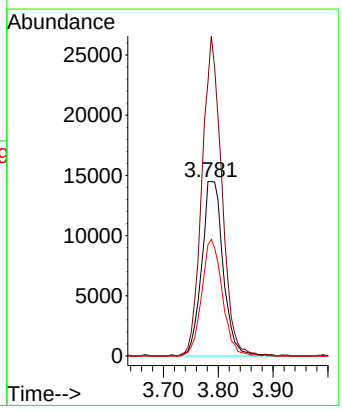
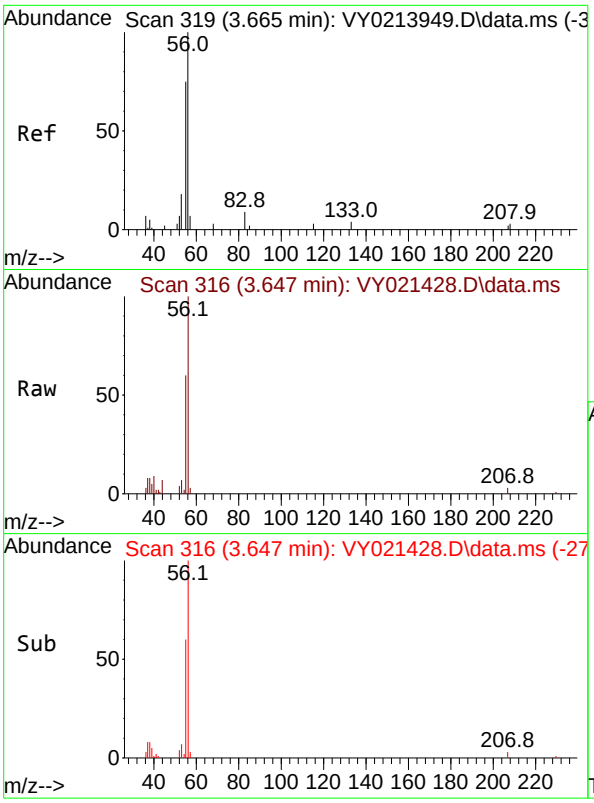


#12
1,1-Dichloroethene
Concen: 19.125 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.018 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 96 Resp: 39325

Ion	Ratio	Lower	Upper
96	100		
61	157.0	135.2	202.8
98	63.8	51.4	77.2

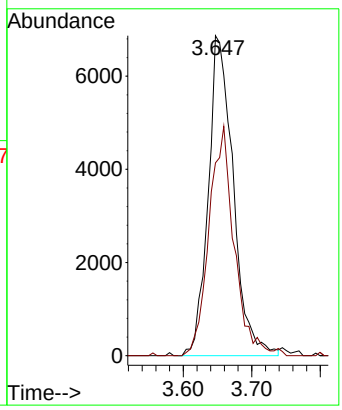




#13
Acrolein
Concen: 161.496 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.018 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 56 Resp: 1737

Ion	Ratio	Lower	Upper
56	100		
55	72.3	63.4	95.2



Instrument :
MSVOA_Y
ClientSampleId :
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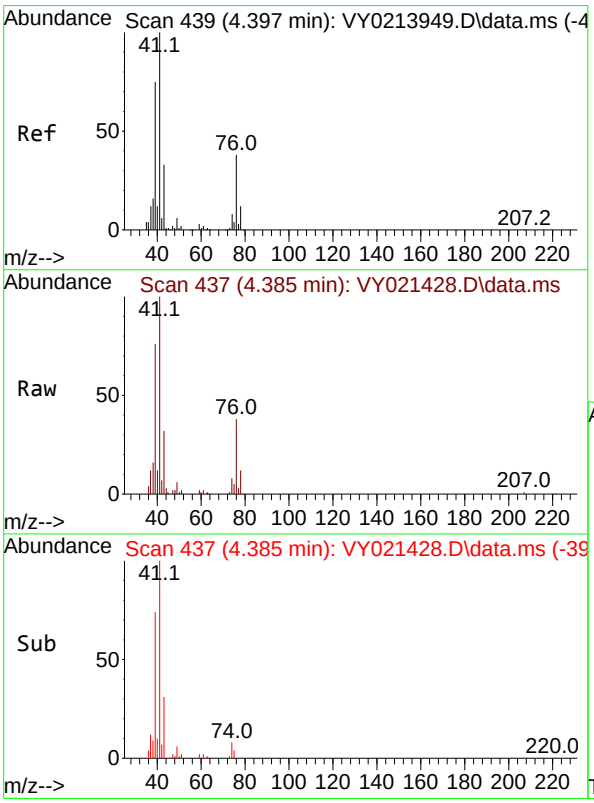
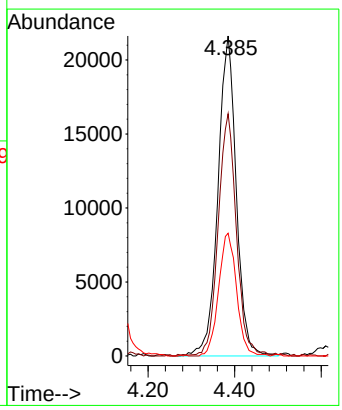
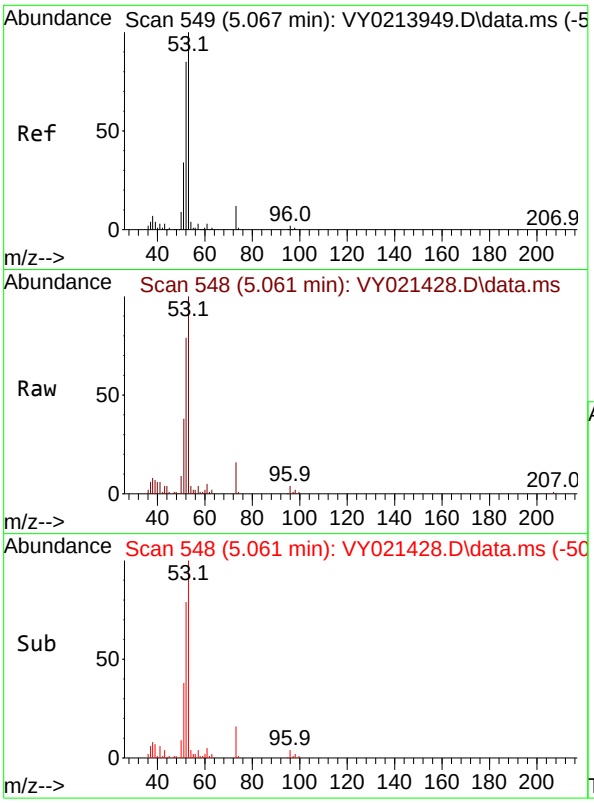


#14
Allyl chloride
Concen: 19.172 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 41 Resp: 63708

Ion	Ratio	Lower	Upper
41	100		
39	73.7	59.3	88.9
76	37.6	29.8	44.8





#15
Acrylonitrile
Concen: 101.322 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 53 Resp: 4721

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.3	99.5
51	38.6	30.3	45.5

Instrument :
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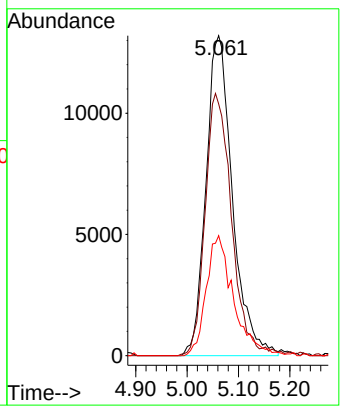
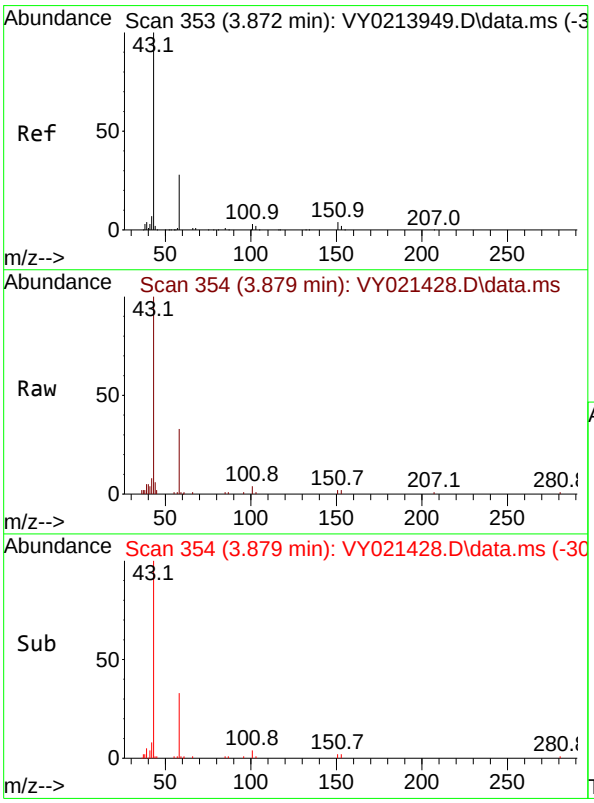
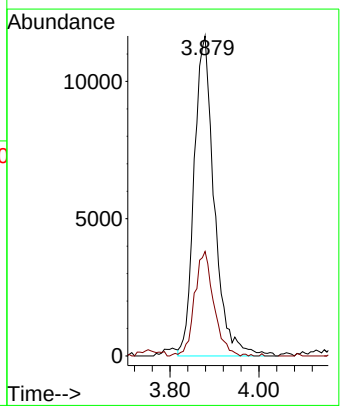


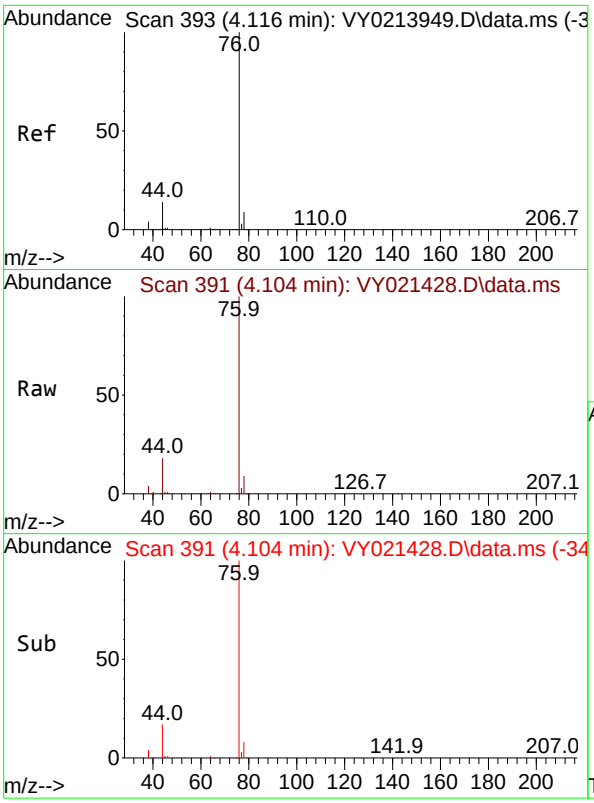


#16
Acetone
Concen: 79.681 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.007 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 43 Resp: 36769

Ion	Ratio	Lower	Upper
43	100		
58	32.6	22.1	33.1

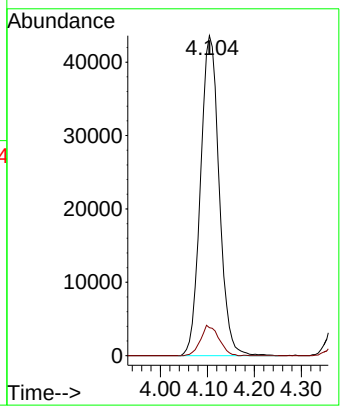




#17
Carbon Disulfide
Concen: 18.661 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 76 Resp: 12025

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0



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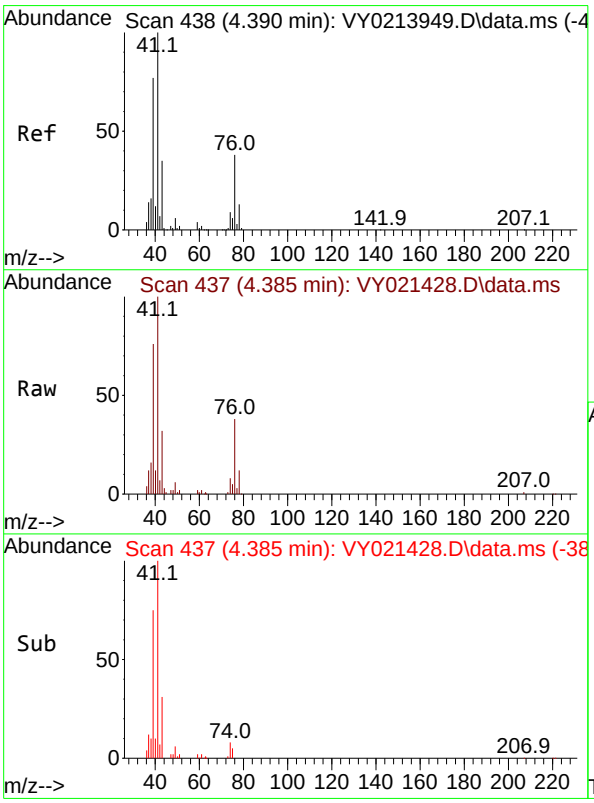
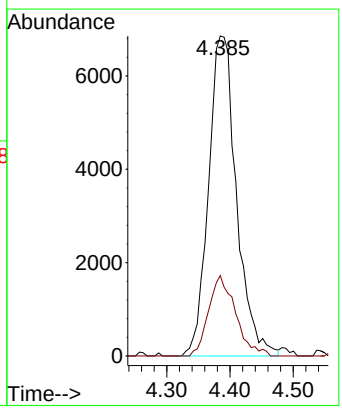
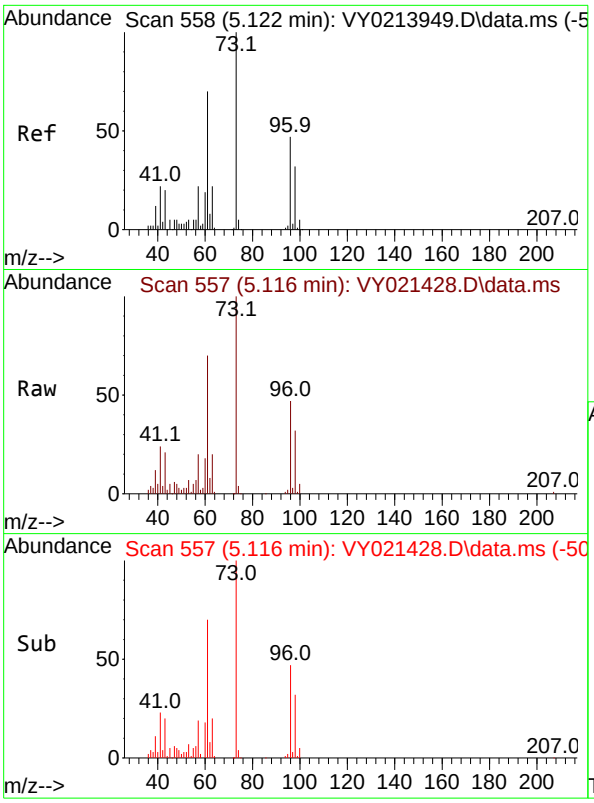


#18
Methyl Acetate
Concen: 20.572 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 43 Resp: 21063

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.4	29.0

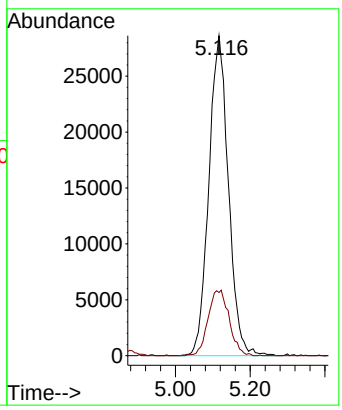




#19
Methyl tert-butyl Ether
Concen: 19.981 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 73 Resp: 10413

Ion	Ratio	Lower	Upper
73	100		
57	19.8	17.9	26.9



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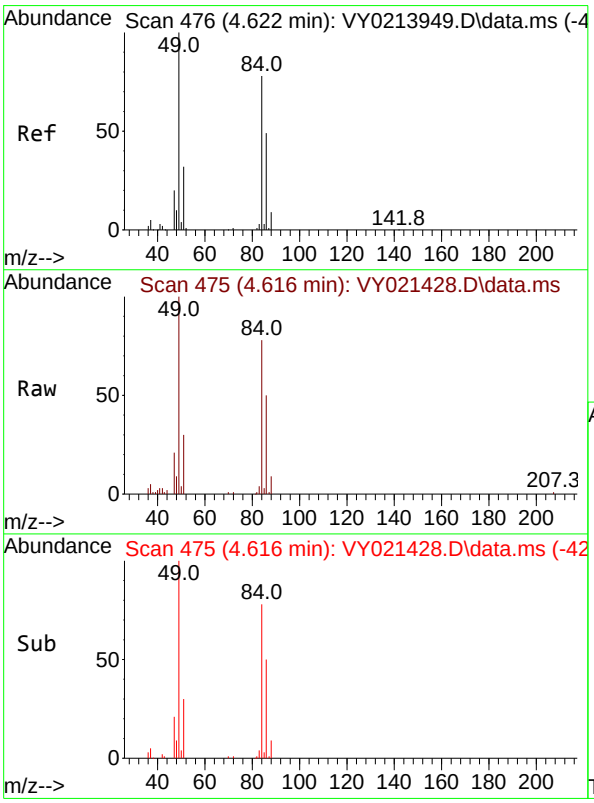
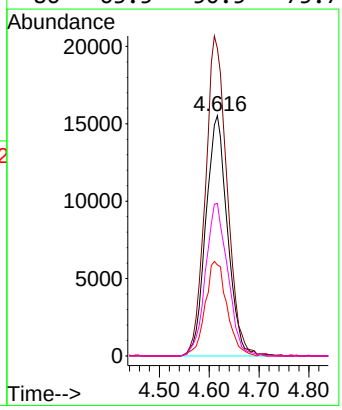
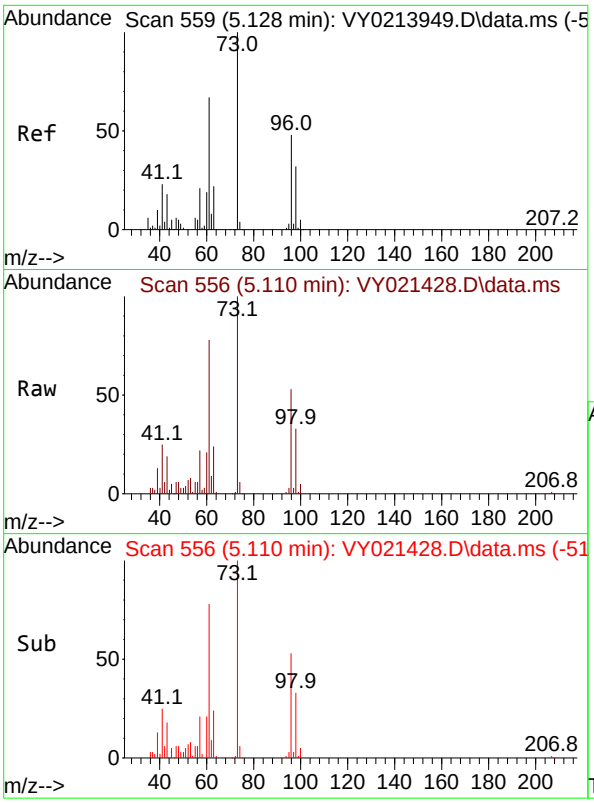


#20
Methylene Chloride
Concen: 19.265 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 84 Resp: 46665

Ion	Ratio	Lower	Upper
84	100		
49	128.0	102.0	153.0
51	37.9	33.0	49.6
86	63.5	50.5	75.7

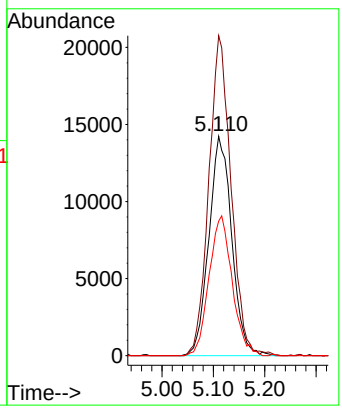




#21
trans-1,2-Dichloroethene
Concen: 19.126 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 96 Resp: 4404

Ion	Ratio	Lower	Upper
96	100		
61	145.9	111.5	167.3
98	61.4	53.8	80.8



Instrument :
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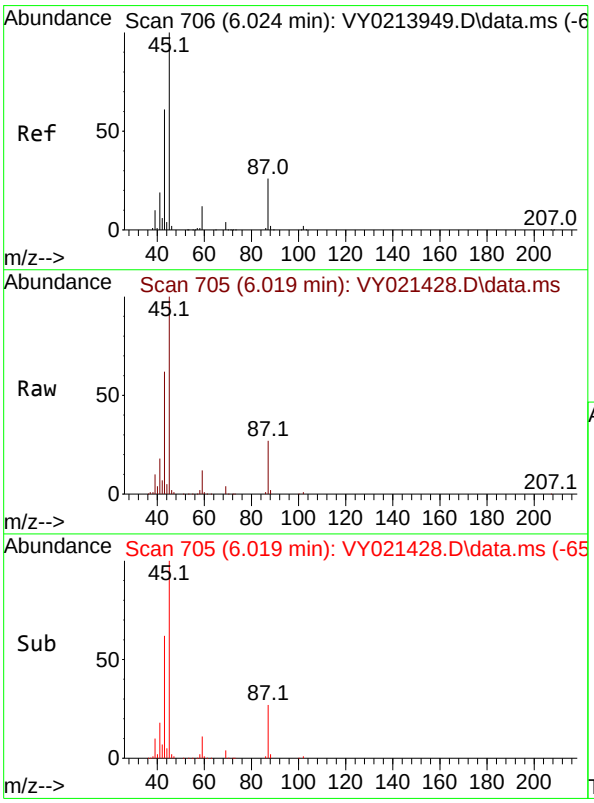
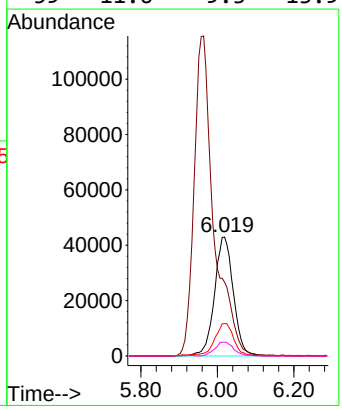
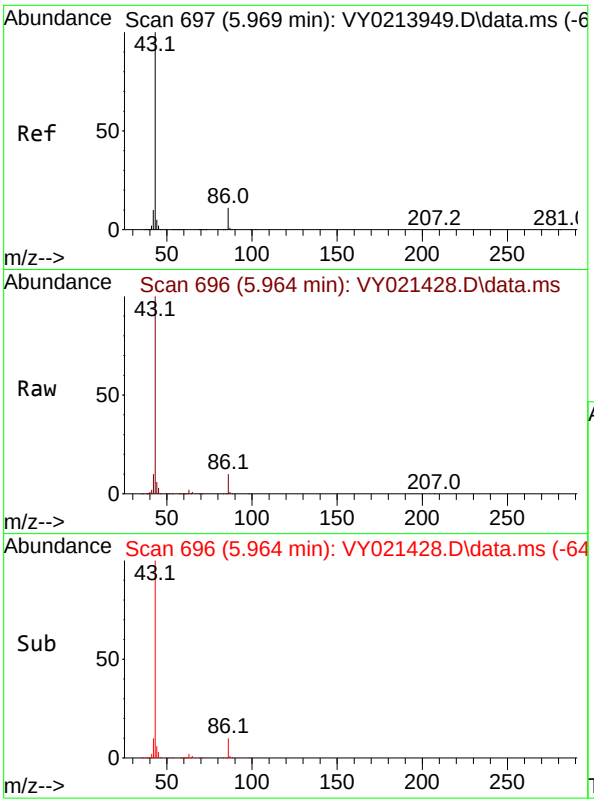


#22
Diisopropyl ether
Concen: 20.501 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 45 Resp: 146814

Ion	Ratio	Lower	Upper
45	100		
43	61.7	48.7	73.1
87	27.2	21.5	32.3
59	11.6	9.3	13.9





#23
Vinyl Acetate
Concen: 101.317 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 43 Resp: 41407

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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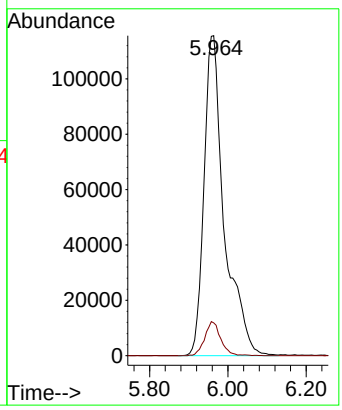
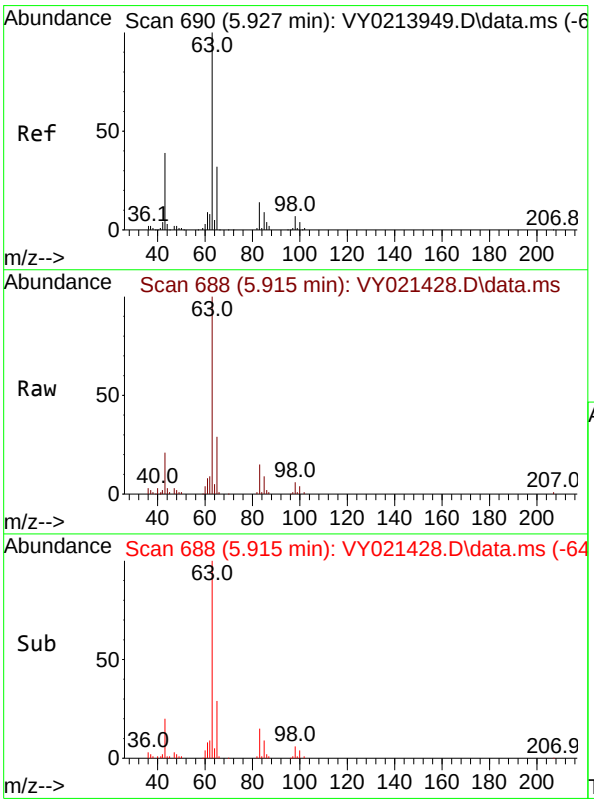
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

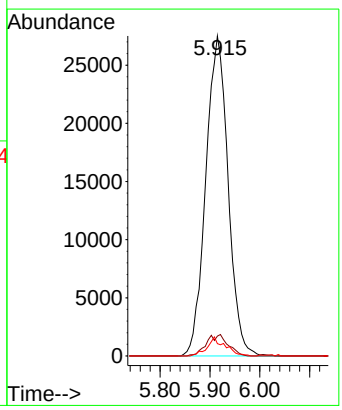


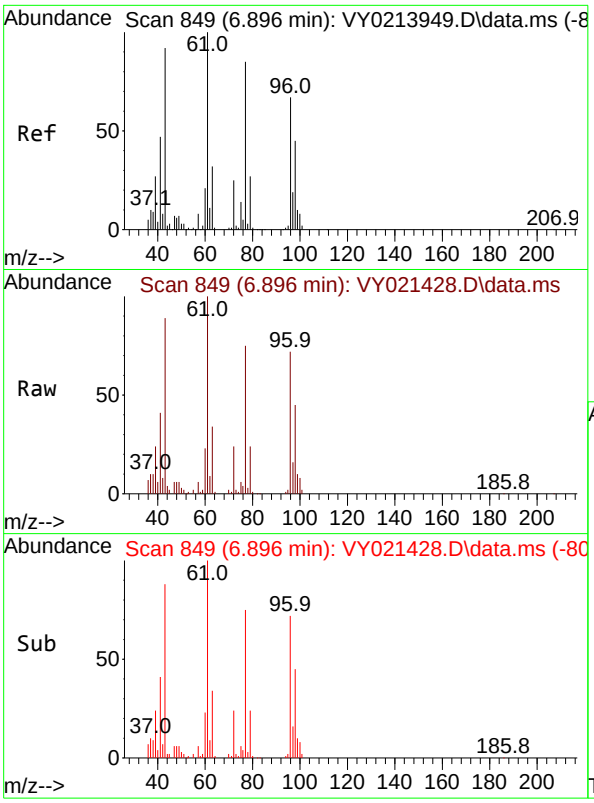


#24
1,1-Dichloroethane
Concen: 20.243 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.012 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 63 Resp: 85556

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.3	9.9
100	3.8	2.1	6.5





#25
2-Butanone
Concen: 93.477 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 43 Resp: 5966

Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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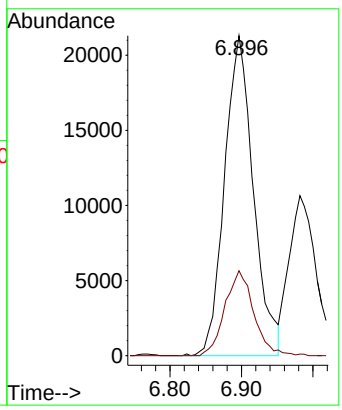
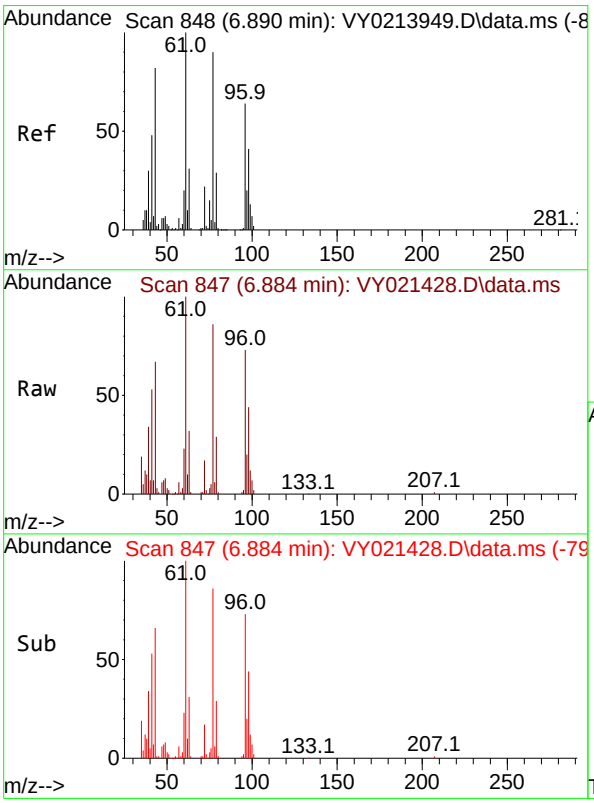
Supervised By :Semsettin Yesilyurt 03/07/2025

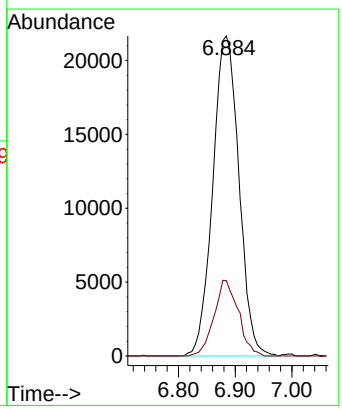


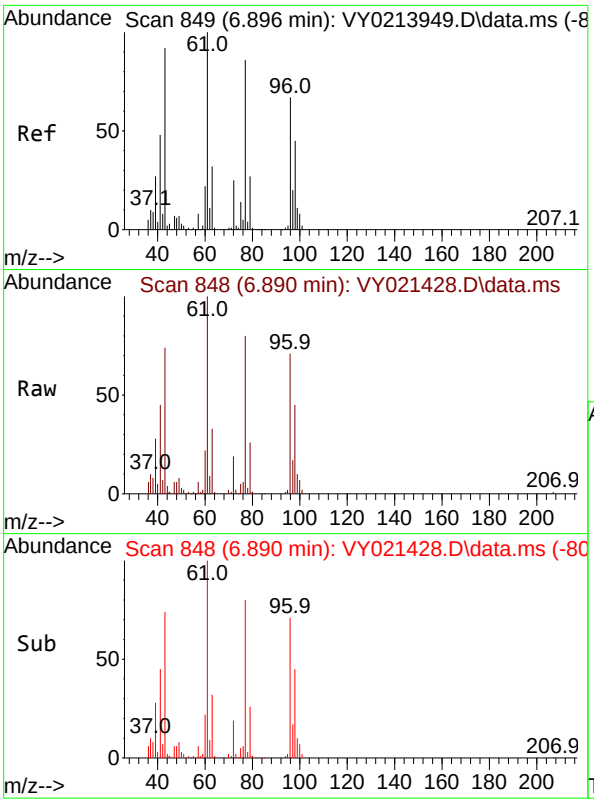


#26
2,2-Dichloropropane
Concen: 17.840 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 77 Resp: 69379

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 19.661 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 96 Resp: 5143

Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	300.8
98	64.0	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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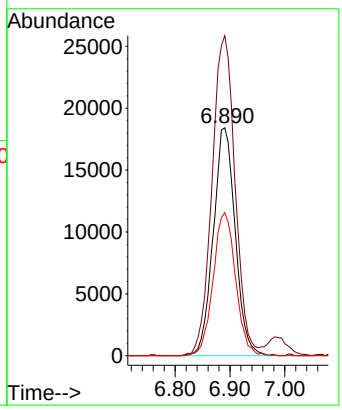
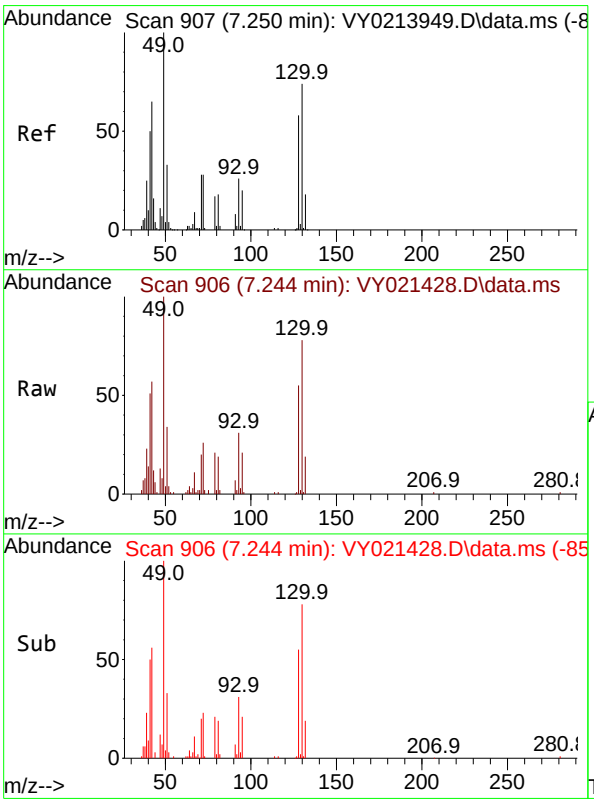
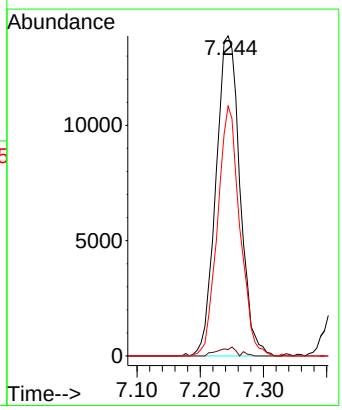


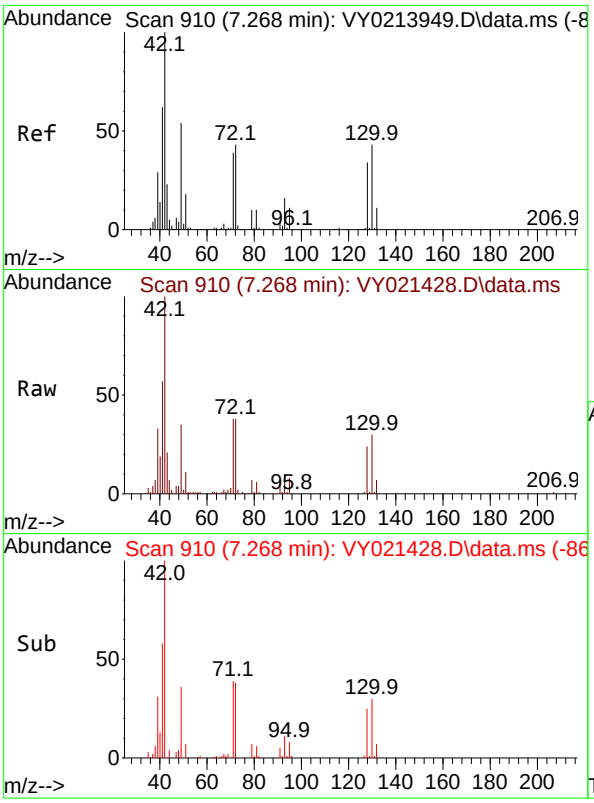


#28
Bromochloromethane
Concen: 20.697 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 49 Resp: 36673

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	72.4	59.6	89.4





#29
Tetrahydrofuran
Concen: 102.187 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 42 Resp: 4026

Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.8	52.2
71	39.7	32.6	48.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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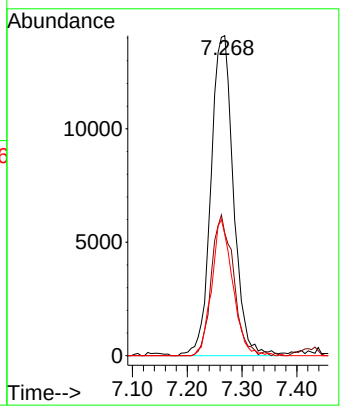
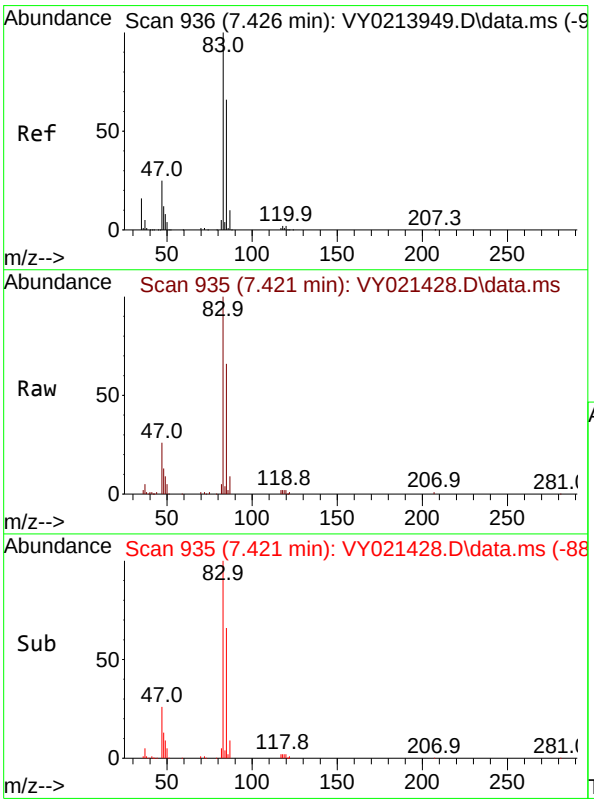
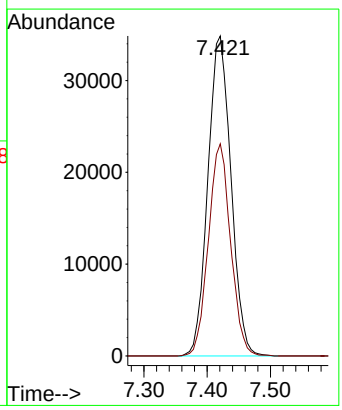


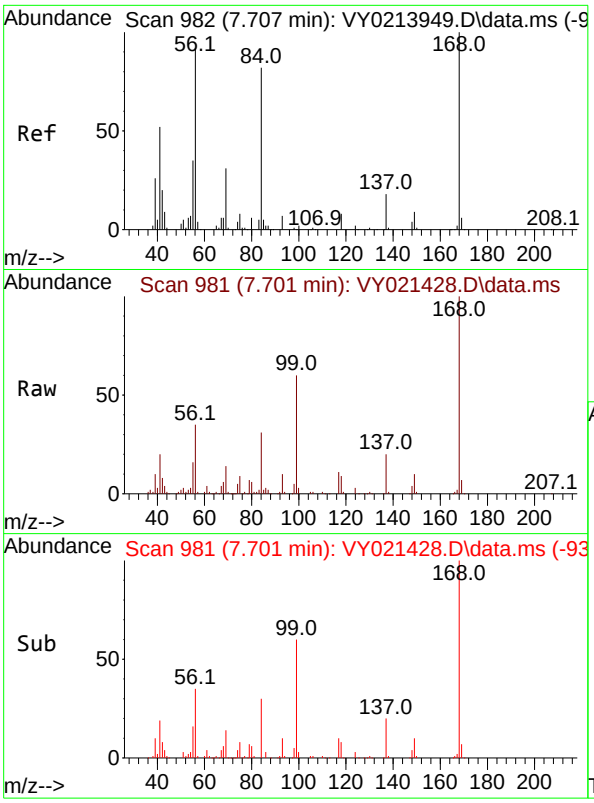


#30
Chloroform
Concen: 20.126 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 83 Resp: 88331

Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.1	79.7





#31
Cyclohexane
Concen: 18.459 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 56 Resp: 7314

Ion	Ratio	Lower	Upper
56	100		
69	39.5	27.0	40.4
84	87.4	71.1	106.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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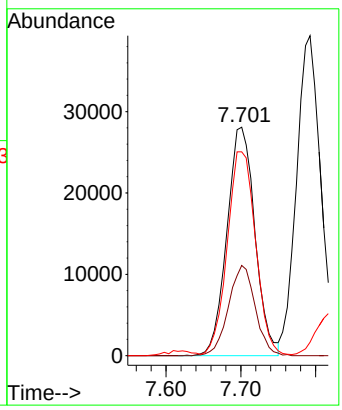
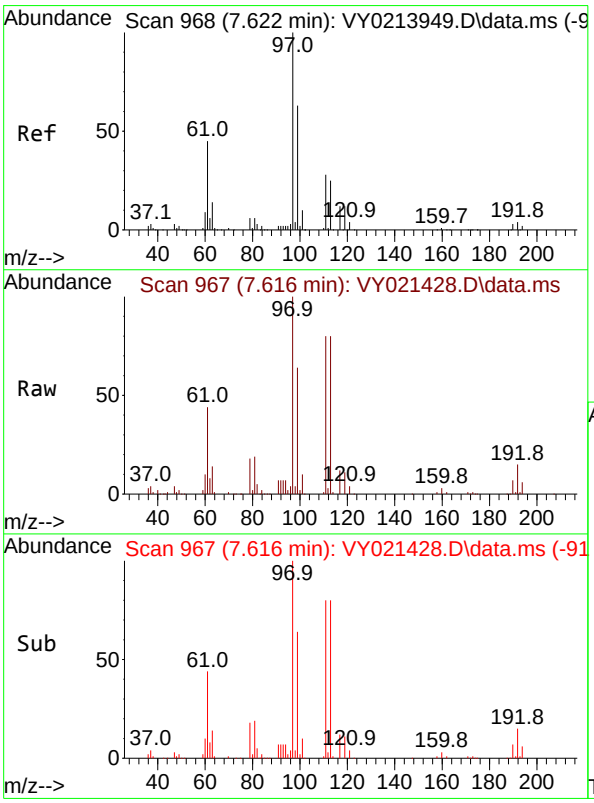
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

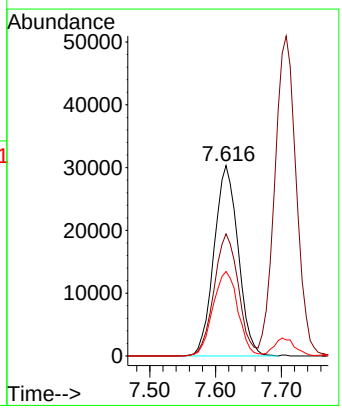


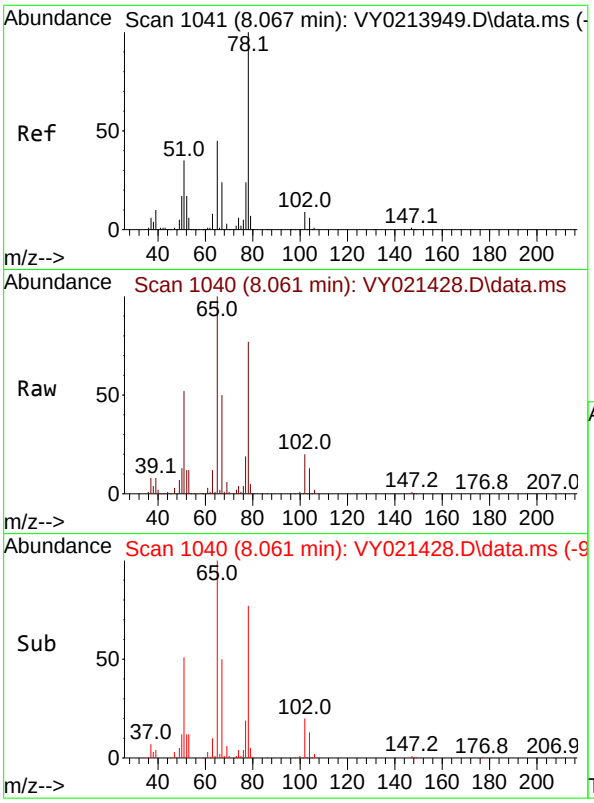


#32
1,1,1-Trichloroethane
Concen: 19.246 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 97 Resp: 77342

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.7	77.5
61	46.1	35.7	53.5





#33
1,2-Dichloroethane-d4
Concen: 53.226 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 65 Resp: 11261

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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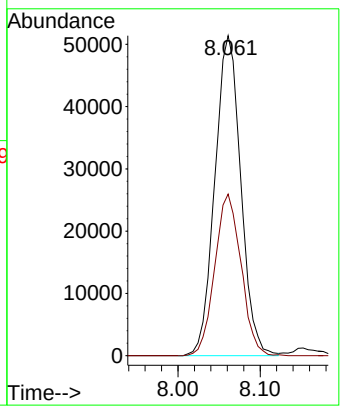
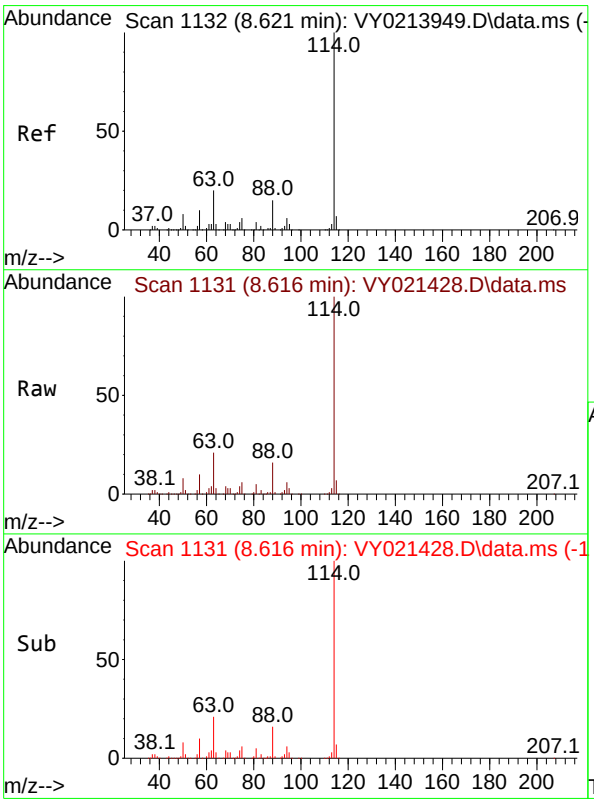
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

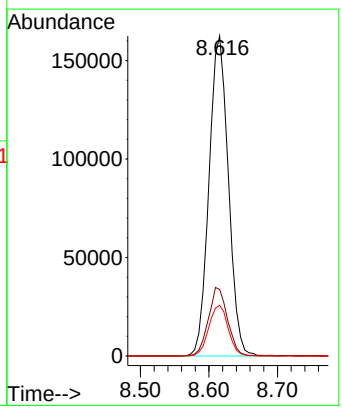


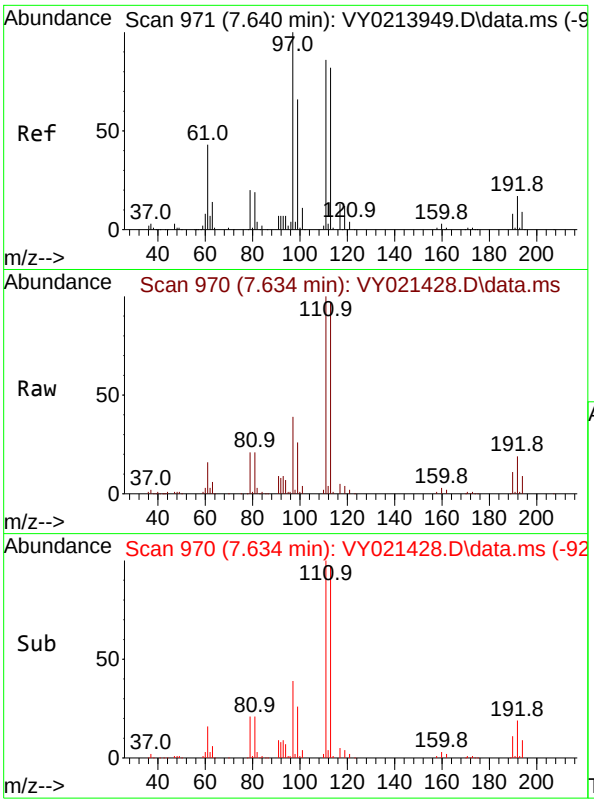


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:114 Resp: 318431

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.9	0.0	30.8

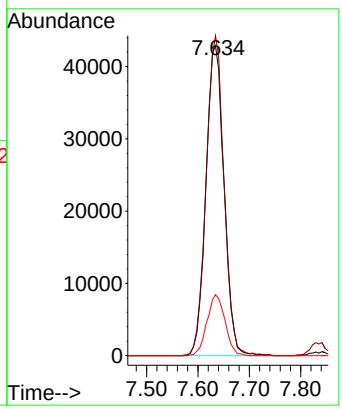




#35
Dibromofluoromethane
Concen: 50.146 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:113 Resp: 10496

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.0	123.0
192	19.6	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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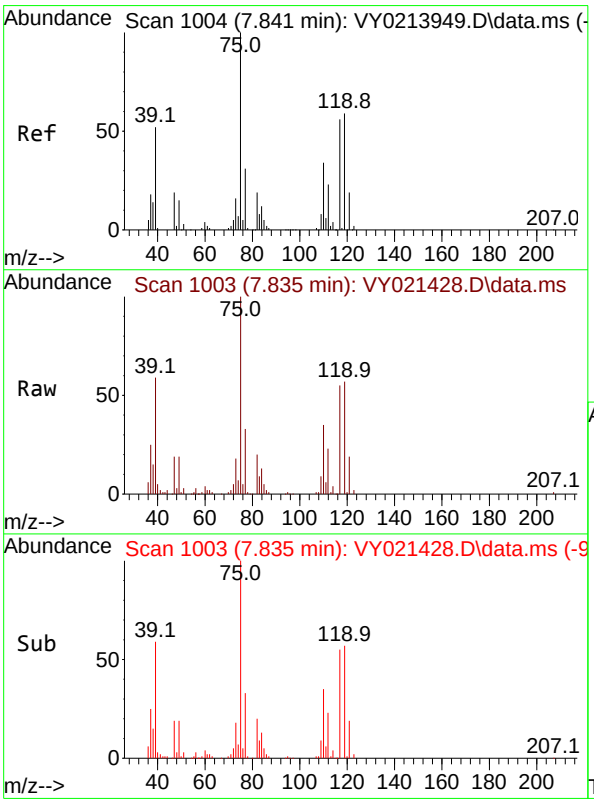
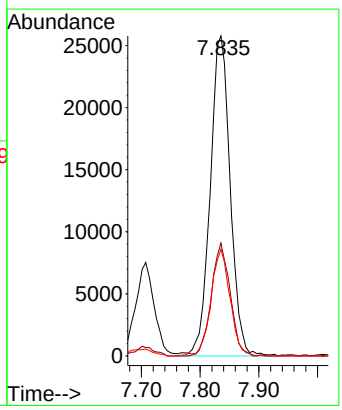
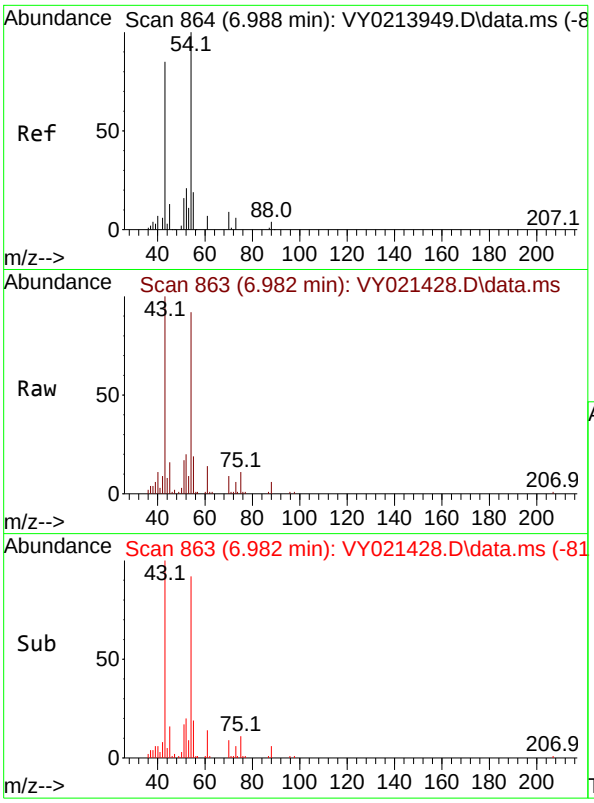


#36
1,1-Dichloropropene
Concen: 18.637 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 75 Resp: 61060

Ion	Ratio	Lower	Upper
75	100		
110	32.9	17.3	51.7
77	31.8	25.4	38.2





#37
Ethyl Acetate
Concen: 19.633 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 43 Resp: 2843

Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.4	17.0
70	10.6	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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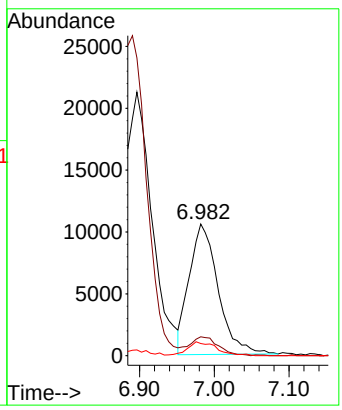
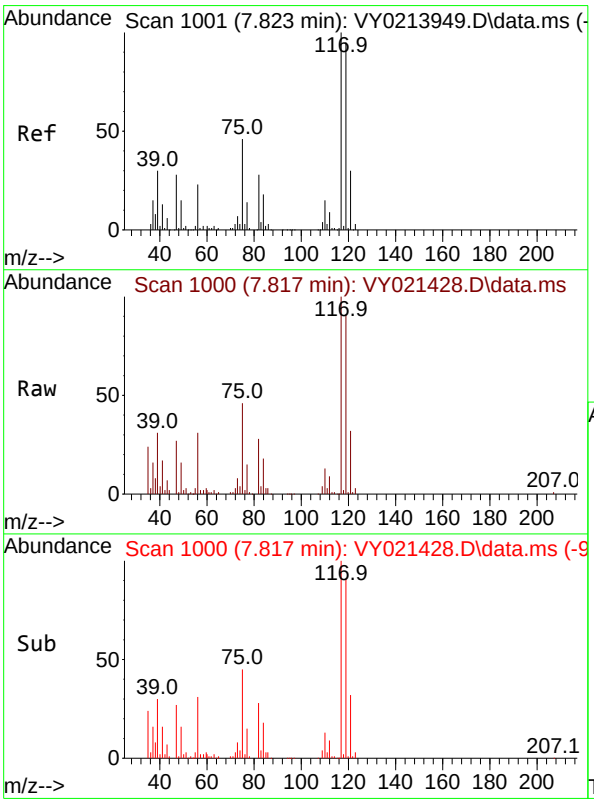
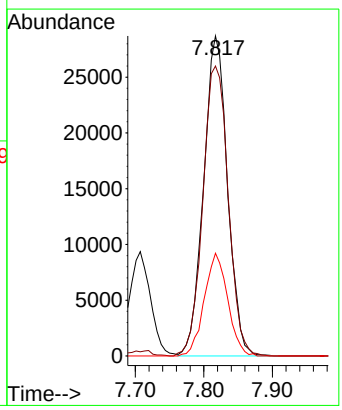


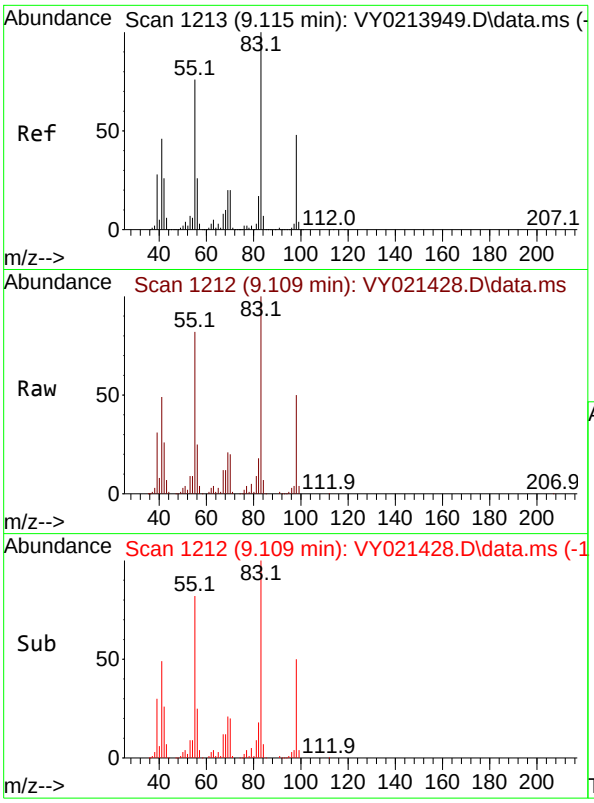


#38
Carbon Tetrachloride
Concen: 18.481 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:117 Resp: 69637

Ion	Ratio	Lower	Upper
117	100		
119	90.6	75.8	113.8
121	32.1	23.9	35.9





#39
Methylcyclohexane
Concen: 17.731 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 83 Resp: 7125

Ion	Ratio	Lower	Upper
83	100		
55	82.3	60.7	91.1
98	49.7	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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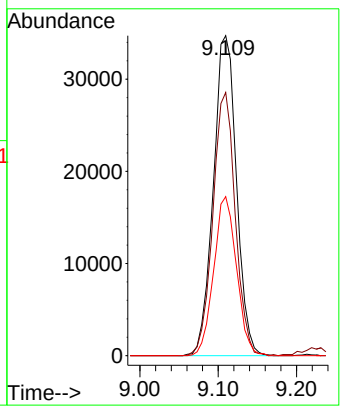
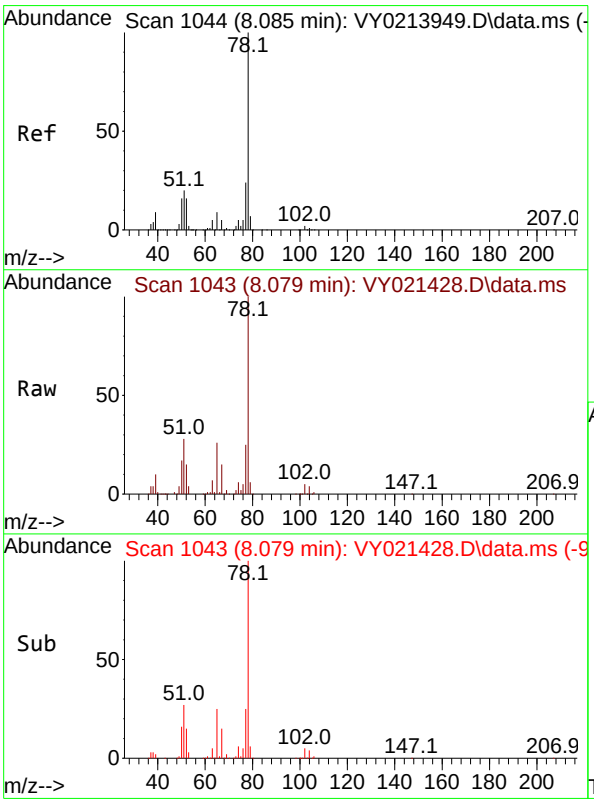
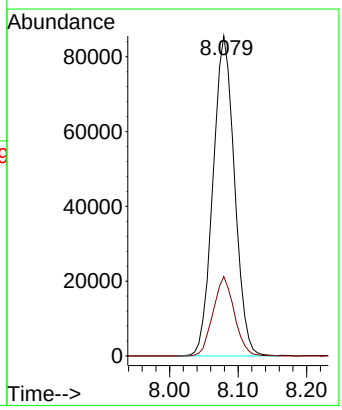


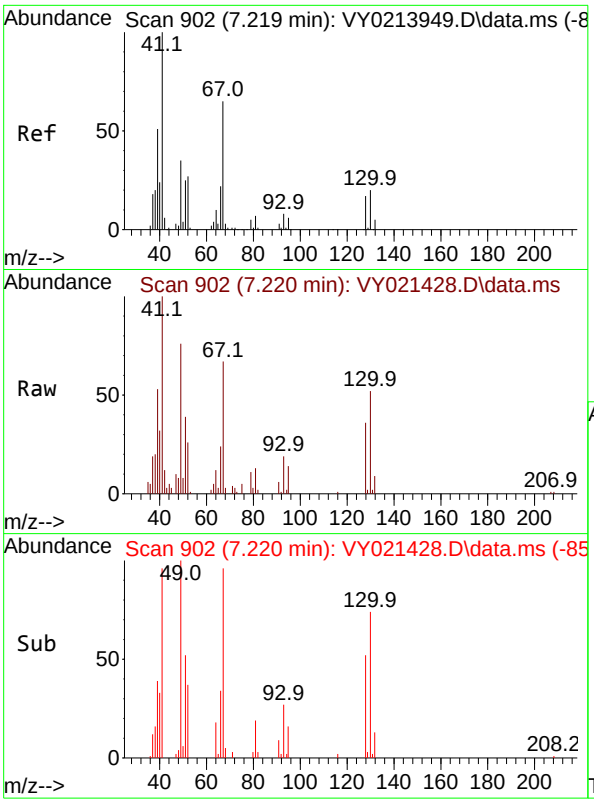


#40
Benzene
Concen: 19.359 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 78 Resp: 186841

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.4

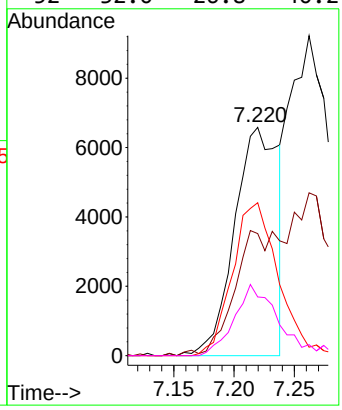




#41
Methacrylonitrile
Concen: 21.058 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 41 Resp: 1660

Ion	Ratio	Lower	Upper
41	100		
39	39.8	35.0	52.6
67	70.5	61.2	91.8
52	32.0	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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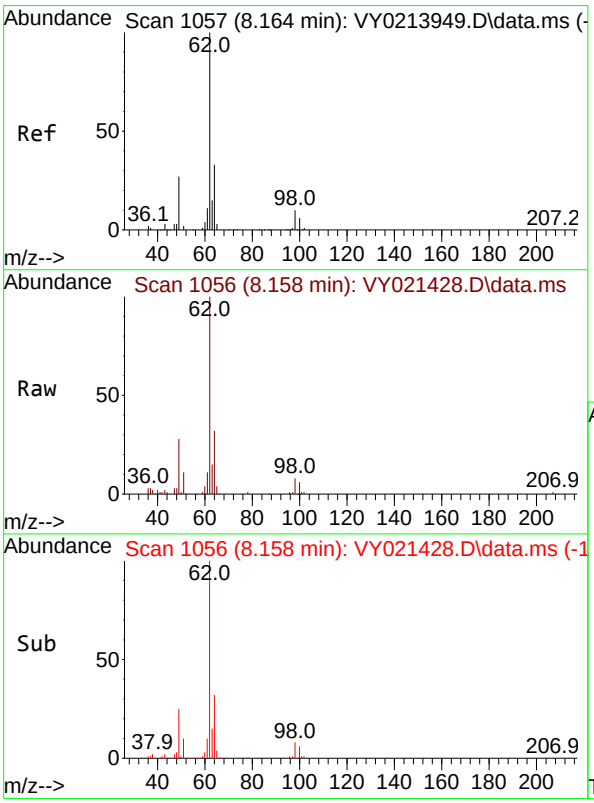
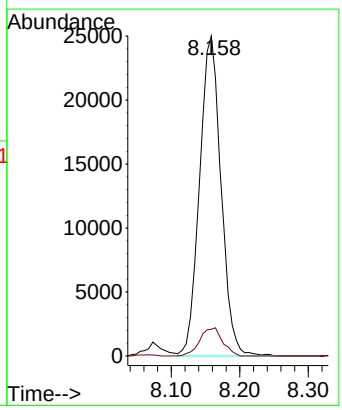
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

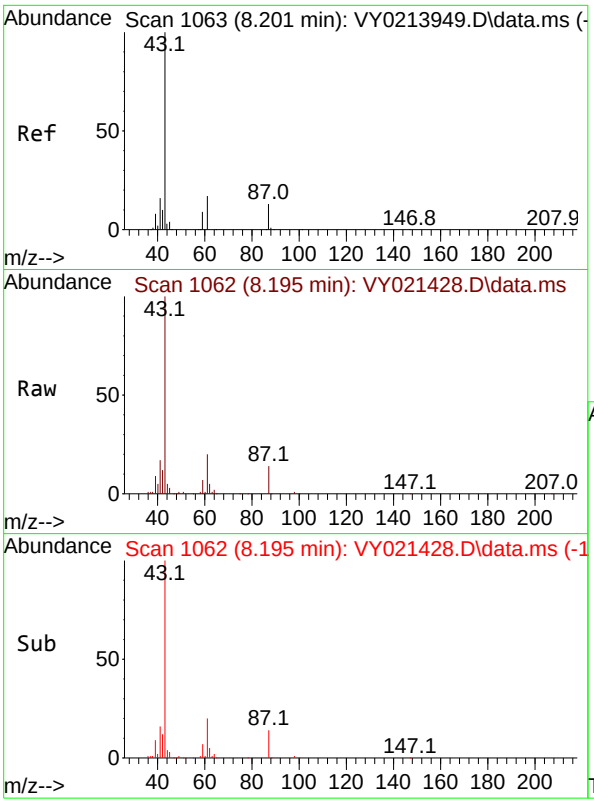


#42
1,2-Dichloroethane
Concen: 20.169 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 62 Resp: 54457

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43
Isopropyl Acetate
Concen: 19.857 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 43 Resp: 5582

Ion	Ratio	Lower	Upper
43	100		
61	20.2	23.4	35.0#
87	12.9	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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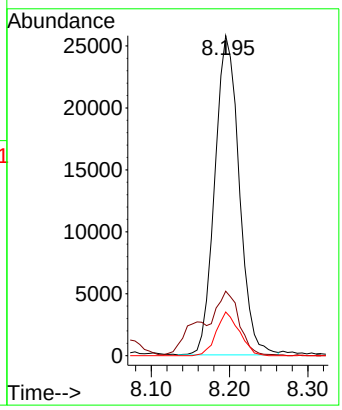
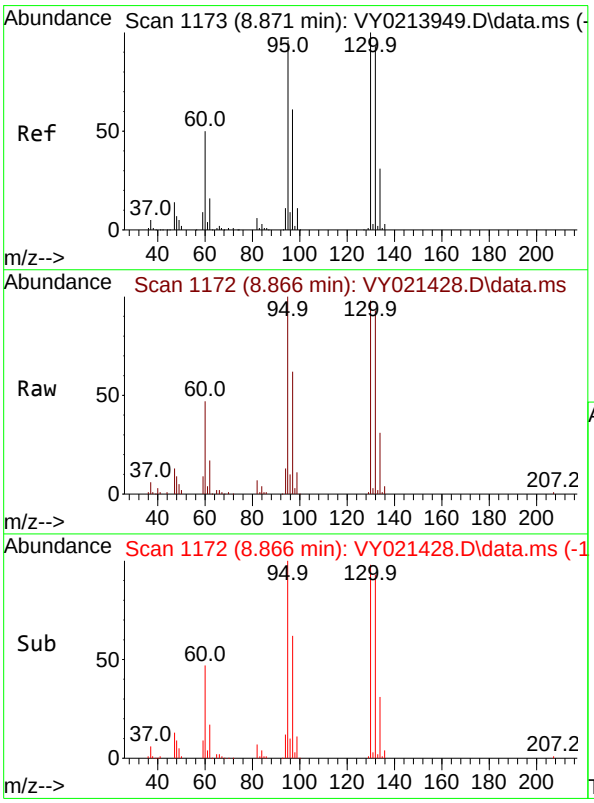
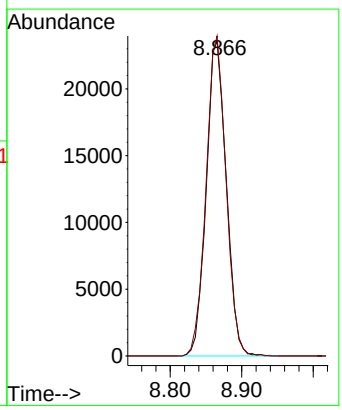


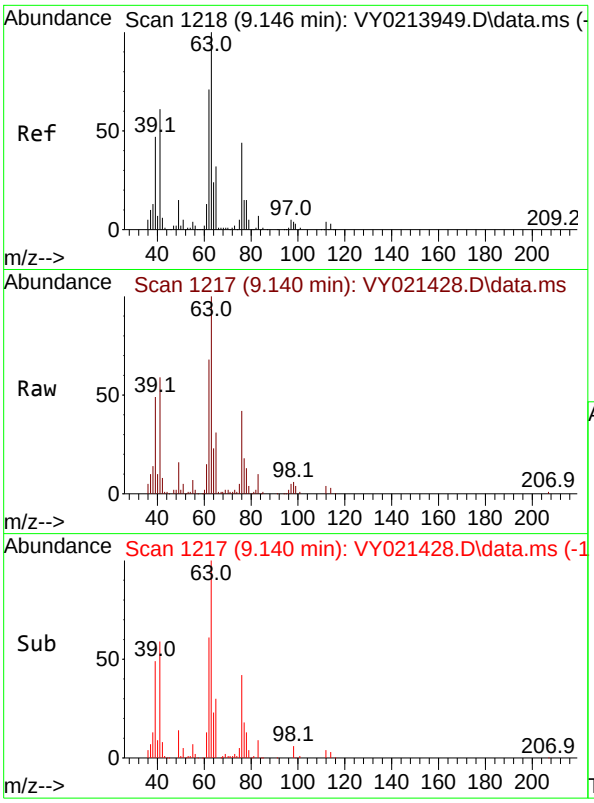


#44
Trichloroethene
Concen: 18.765 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:130 Resp: 45767

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	191.6





#45
1,2-Dichloropropane
Concen: 20.246 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 63 Resp: 4650

Ion	Ratio	Lower	Upper
63	100		
65	30.5	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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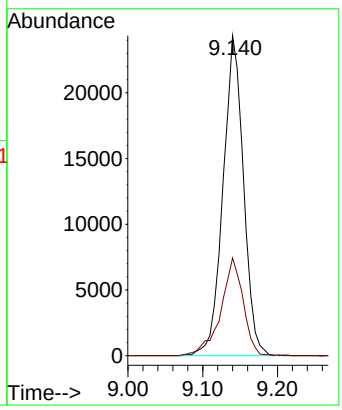
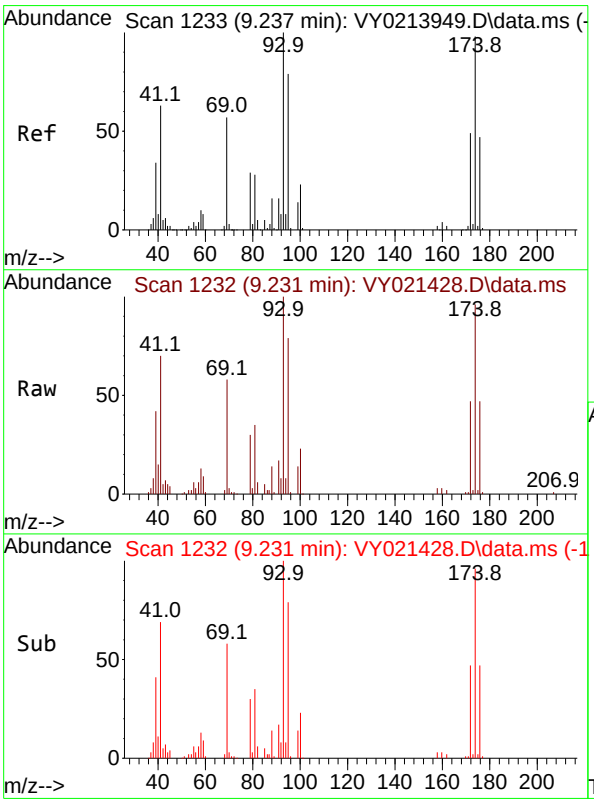
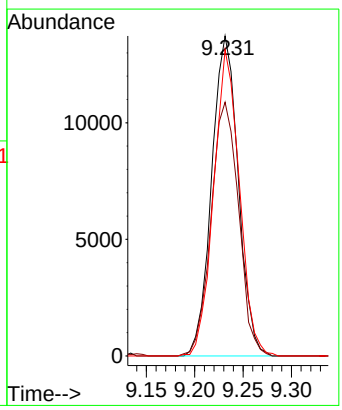


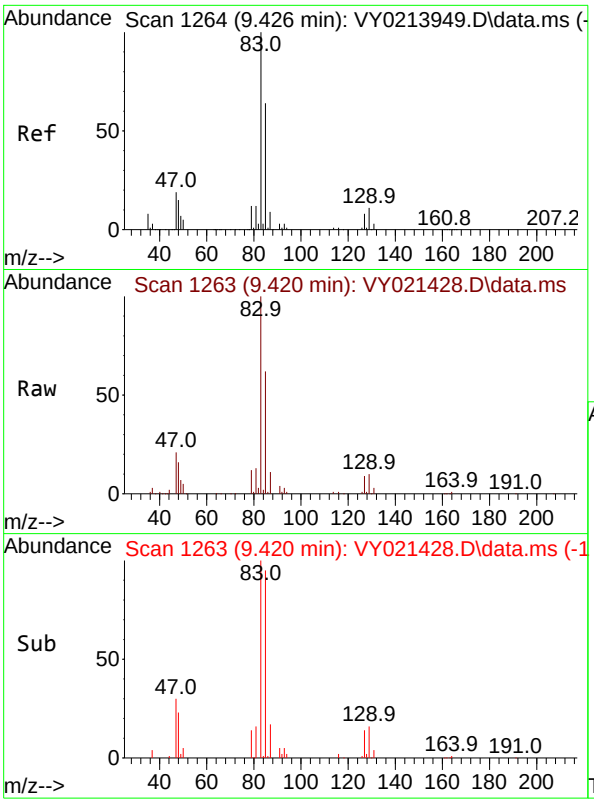


#46
Dibromomethane
Concen: 20.474 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 93 Resp: 26168

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.8	98.8
174	92.6	77.9	116.9

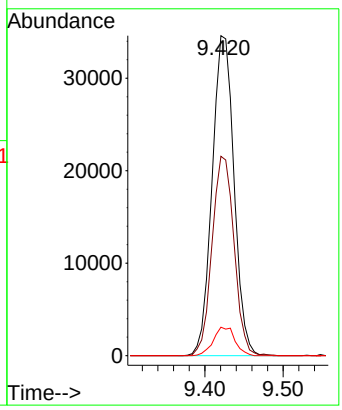




#47
Bromodichloromethane
Concen: 19.796 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 83 Resp: 6719

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.1	76.7
127	8.9	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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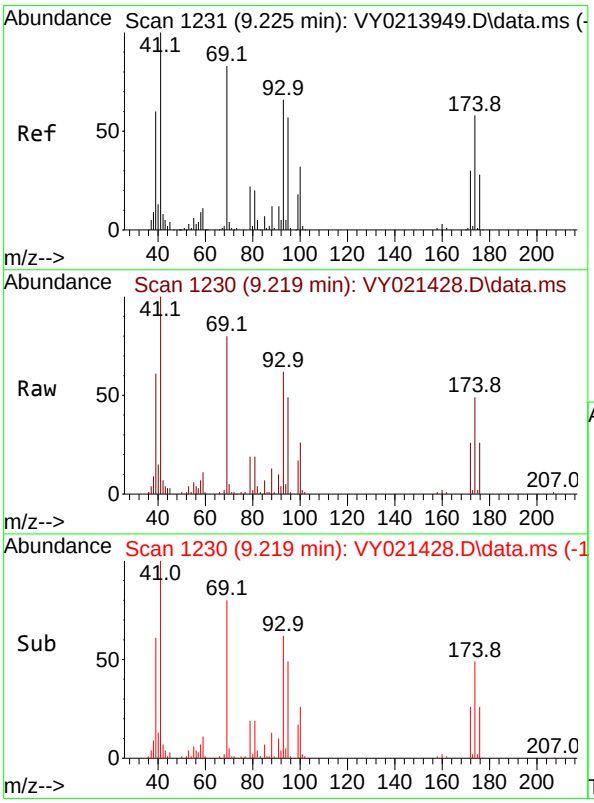
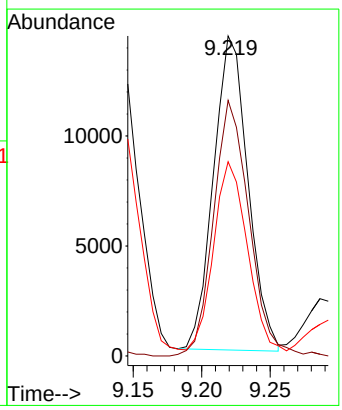
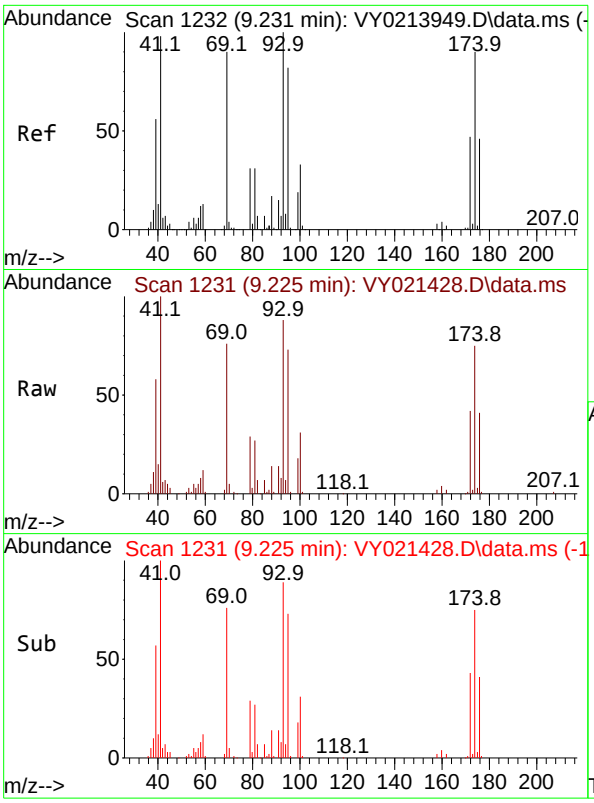


#48
Methyl methacrylate
Concen: 19.347 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 41 Resp: 24974

Ion	Ratio	Lower	Upper
41	100		
69	84.2	67.8	101.8
39	59.0	46.4	69.6





#49
1,4-Dioxane
Concen: 438.744 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 88 Resp: 550

Ion	Ratio	Lower	Upper
88	100		
43	38.1	25.0	37.4
58	67.2	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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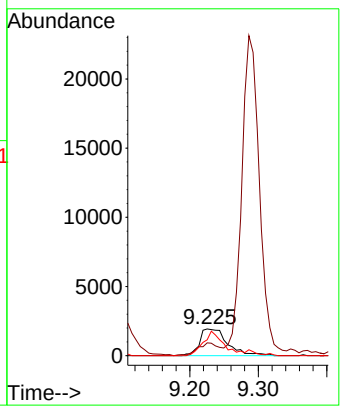
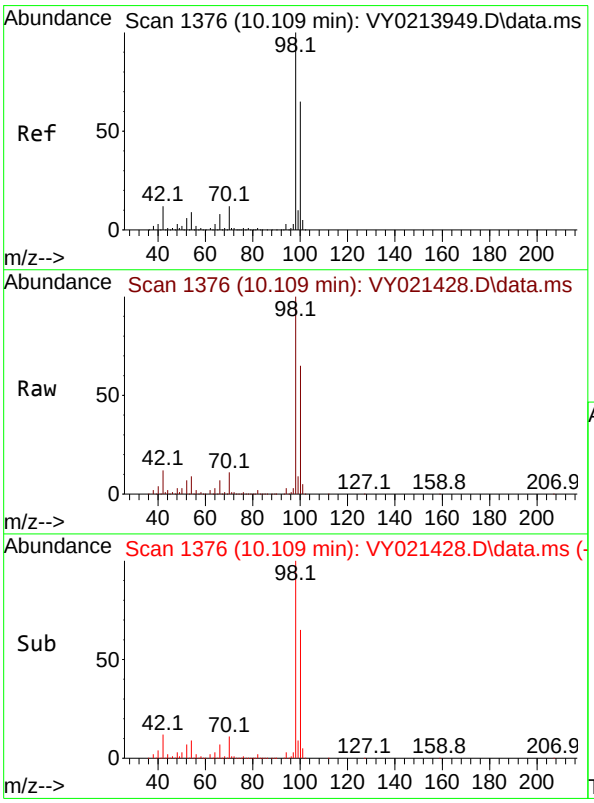
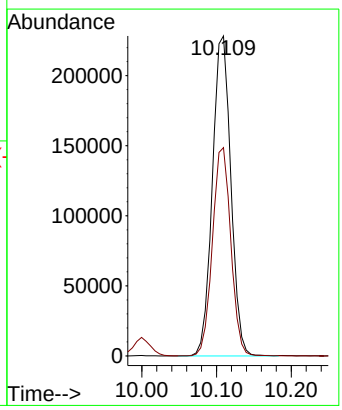


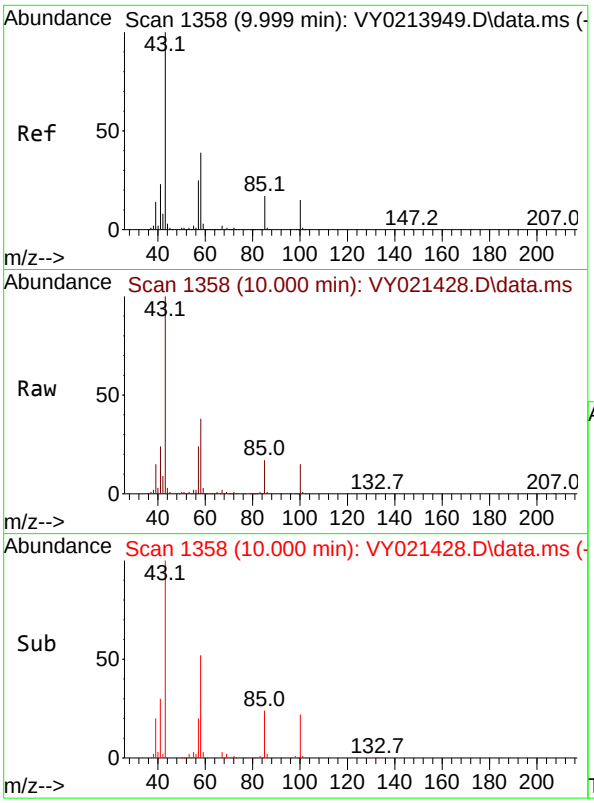


#50
Toluene-d8
Concen: 49.519 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 98 Resp: 392444

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

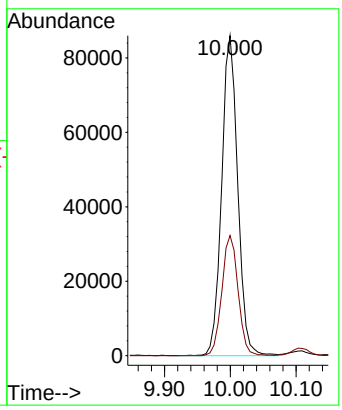




#51
4-Methyl-2-Pentanone
Concen: 100.753 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 43 Resp: 14613

Ion	Ratio	Lower	Upper
43	100		
58	37.9	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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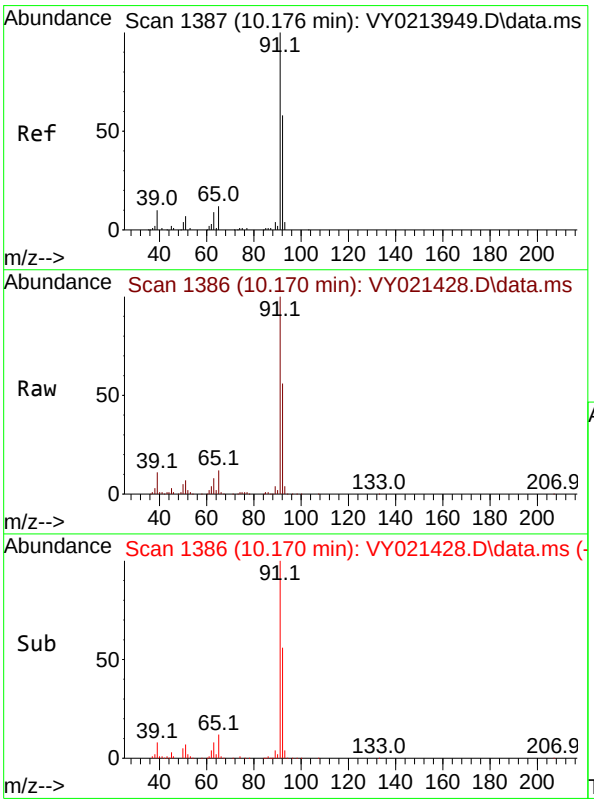
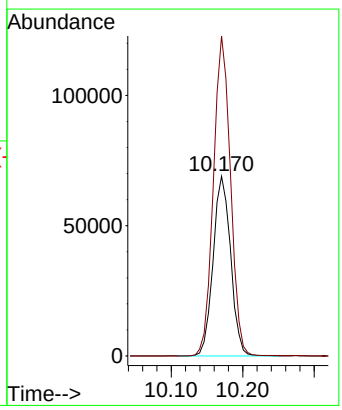
Supervised By :Semsettin Yesilyurt 03/07/2025

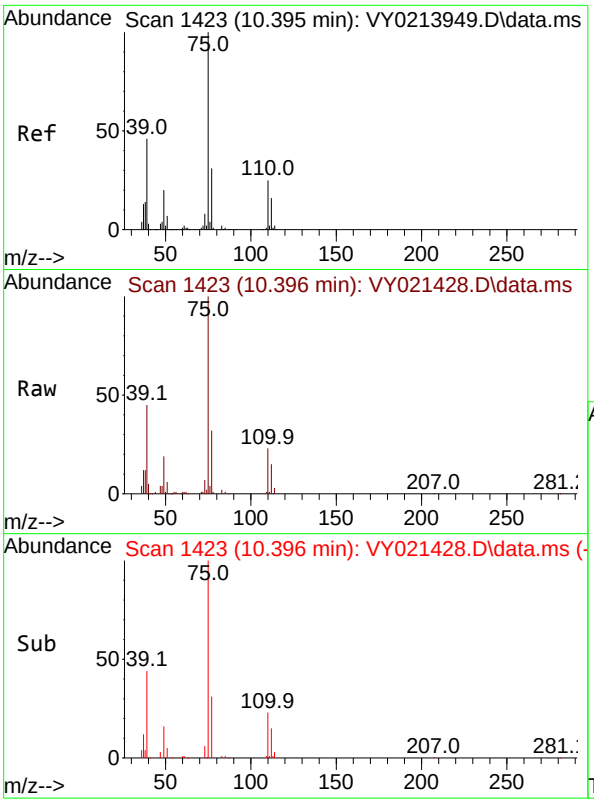


#52
Toluene
Concen: 19.233 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 92 Resp: 117027

Ion	Ratio	Lower	Upper
92	100		
91	174.3	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 19.631 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 75 Resp: 5870

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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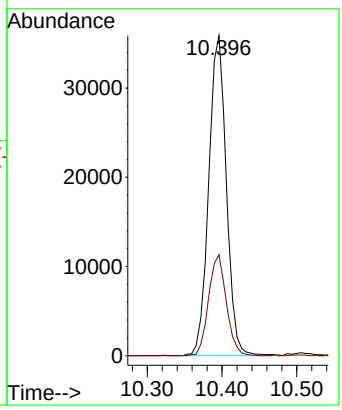
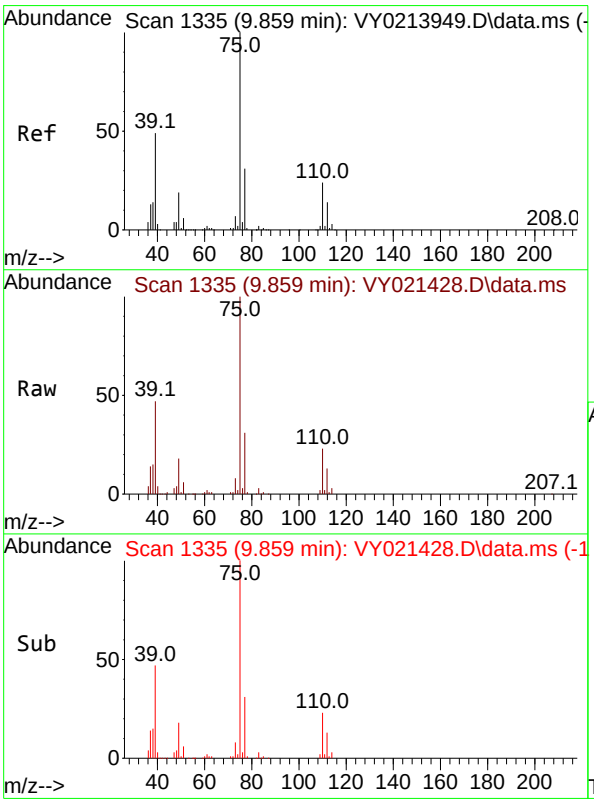
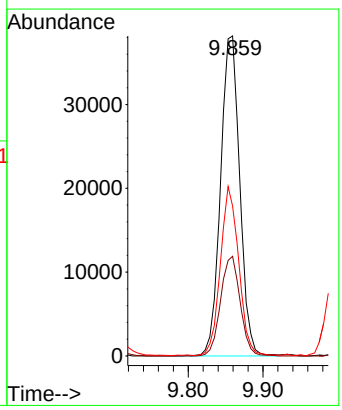


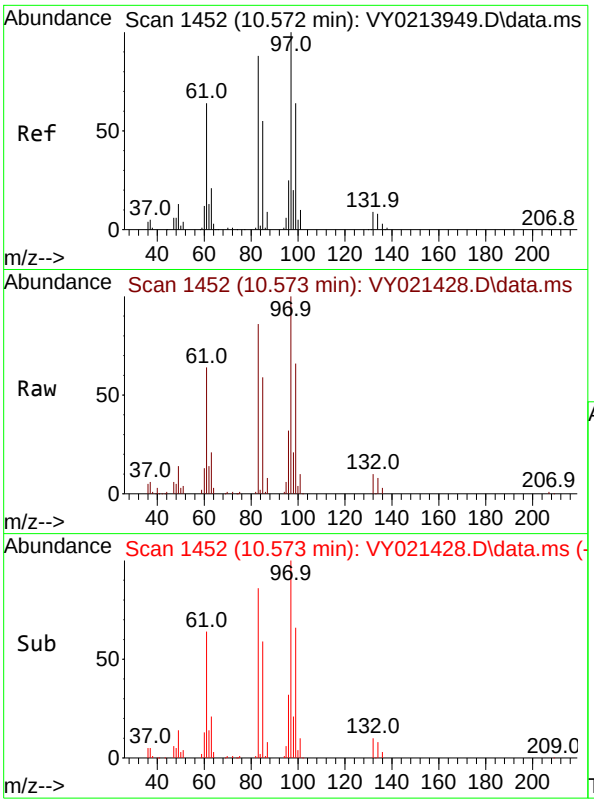


#54
cis-1,3-Dichloropropene
Concen: 19.219 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 75 Resp: 68234

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	37.0
39	46.6	39.4	59.2

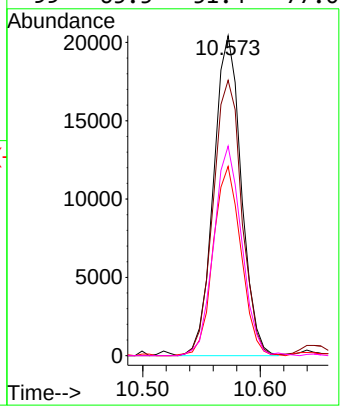




#55
1,1,2-Trichloroethane
Concen: 20.016 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 97 Resp: 3346

Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.0	105.0
85	58.8	44.3	66.5
99	65.5	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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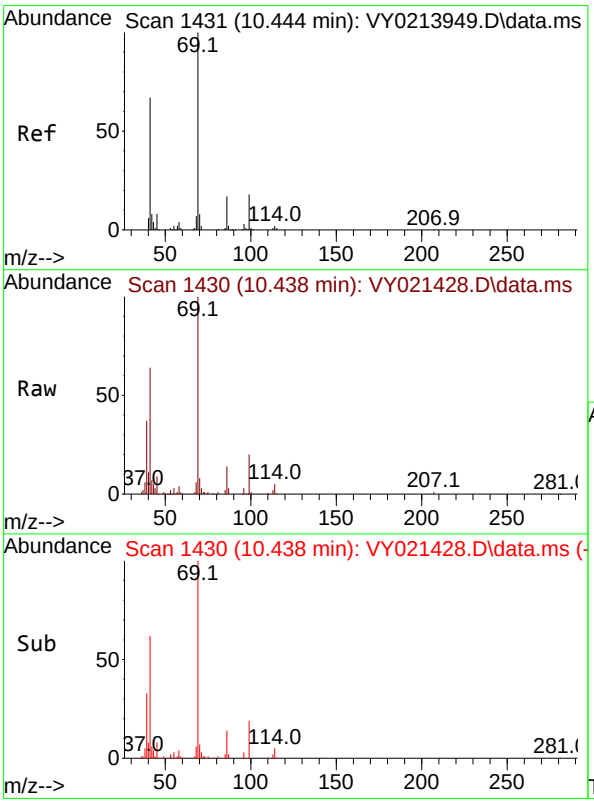
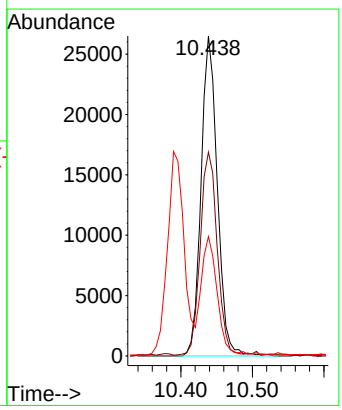
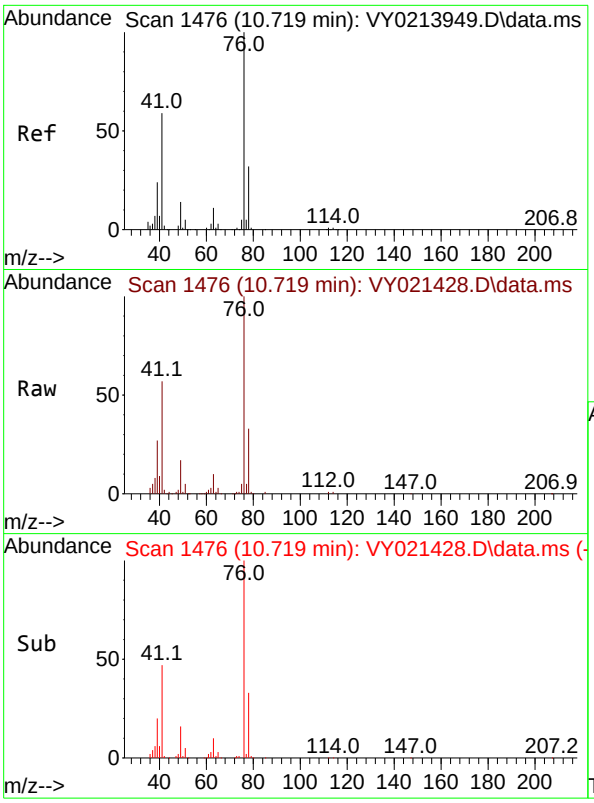


#56
Ethyl methacrylate
Concen: 19.651 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 69 Resp: 41900

Ion	Ratio	Lower	Upper
69	100		
41	65.8	53.3	79.9
39	35.3	31.0	46.6





#57
1,3-Dichloropropane
Concen: 20.324 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 76 Resp: 5889

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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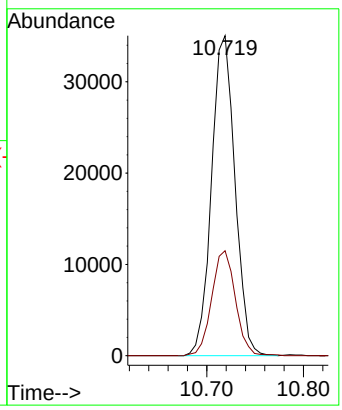
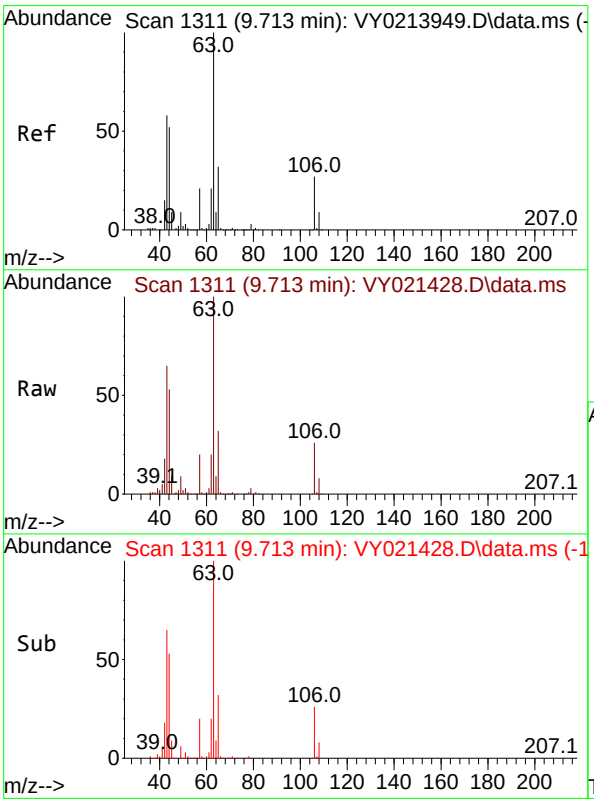
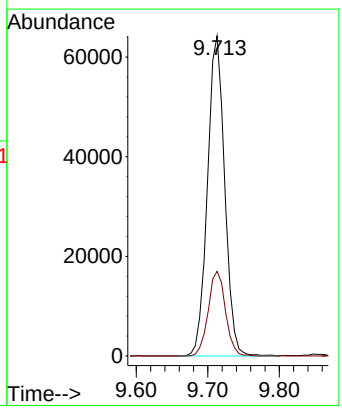


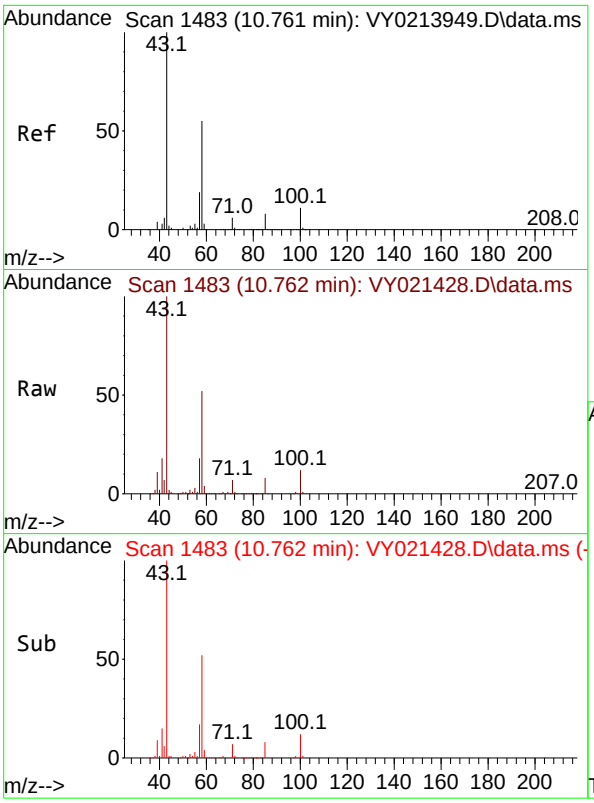


#58
2-Chloroethyl Vinyl ether
Concen: 109.136 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 63 Resp: 107422

Ion	Ratio	Lower	Upper
63	100		
106	26.6	22.1	33.1





#59
2-Hexanone
Concen: 98.075 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 43 Resp: 9406

Ion	Ratio	Lower	Upper
43	100		
58	52.8	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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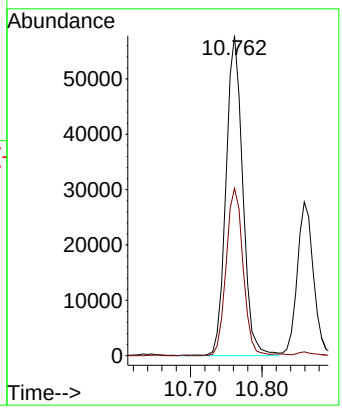
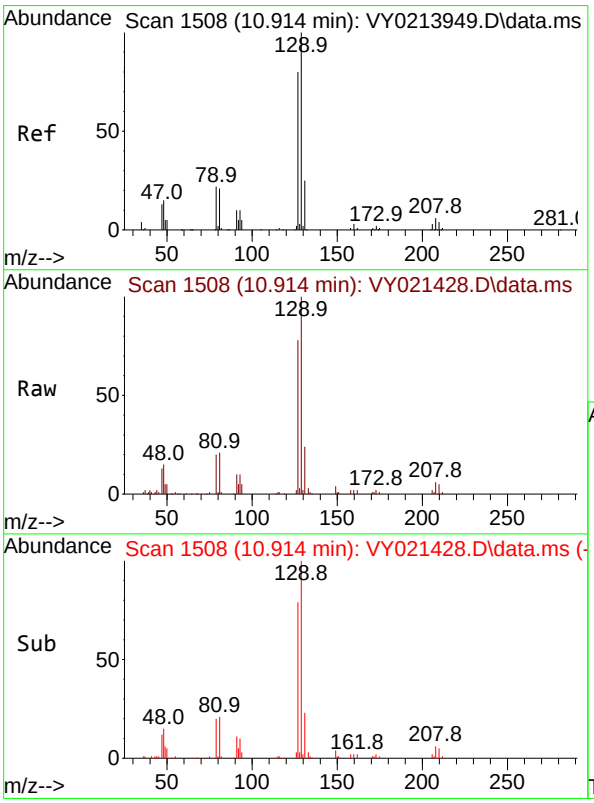
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

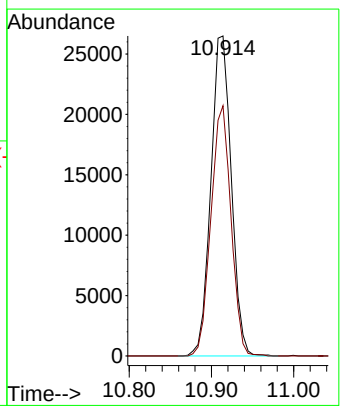


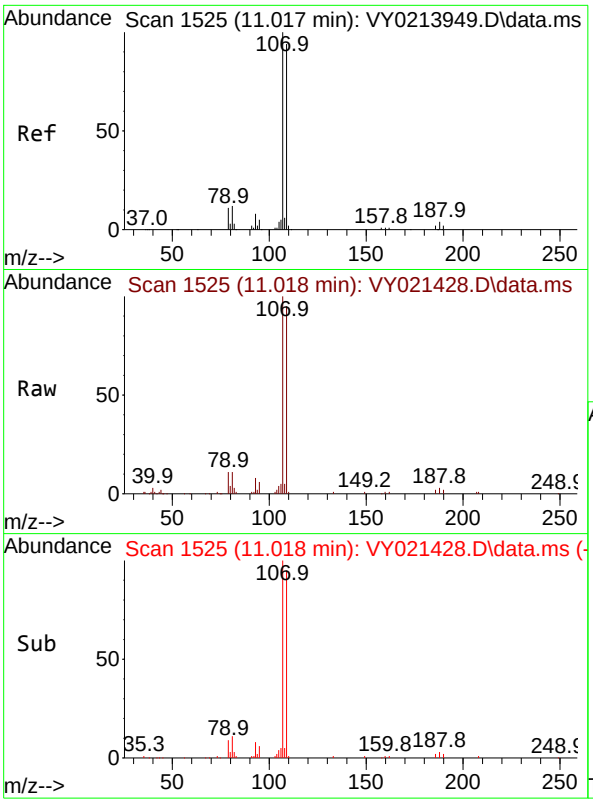


#60
Dibromochloromethane
Concen: 19.959 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:129 Resp: 45747

Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.1	117.3





#61
1,2-Dibromoethane
Concen: 19.965 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:107 Resp: 3150

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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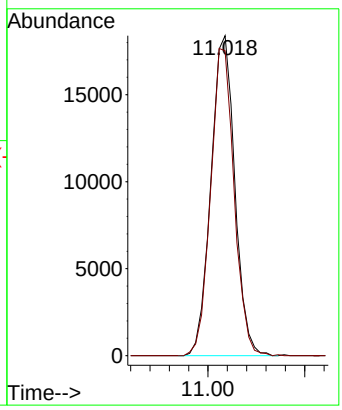
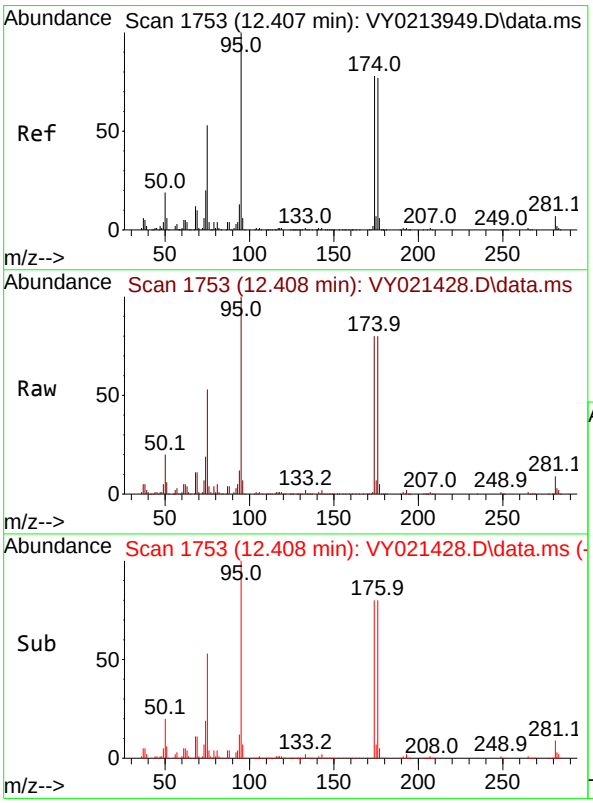
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

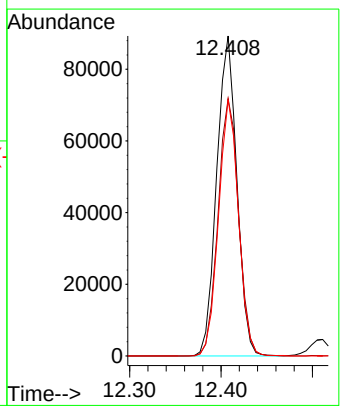


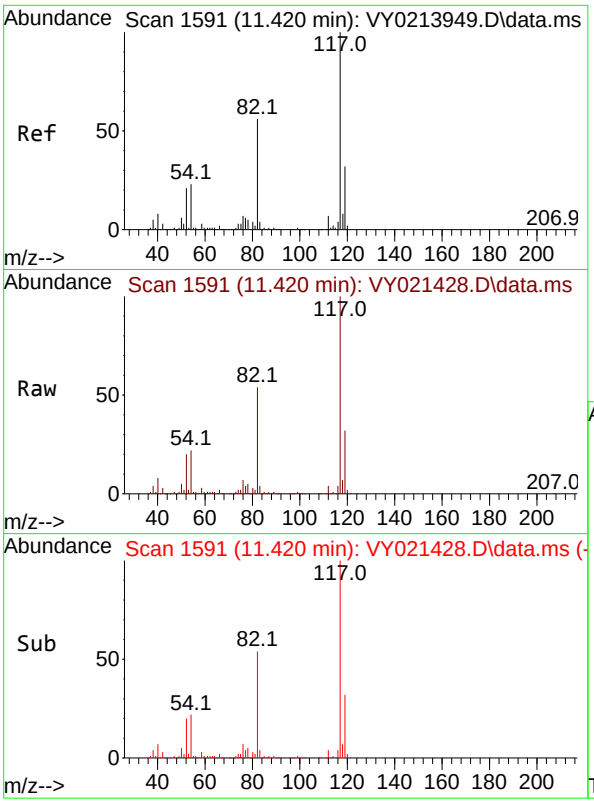


#62
4-Bromofluorobenzene
Concen: 50.814 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 95 Resp: 136984

Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	165.0
176	79.0	0.0	160.0

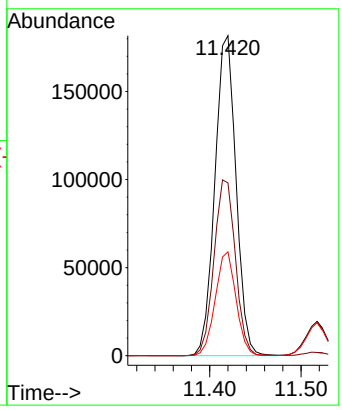




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:117 Resp: 29260

Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.6	67.0
119	32.4	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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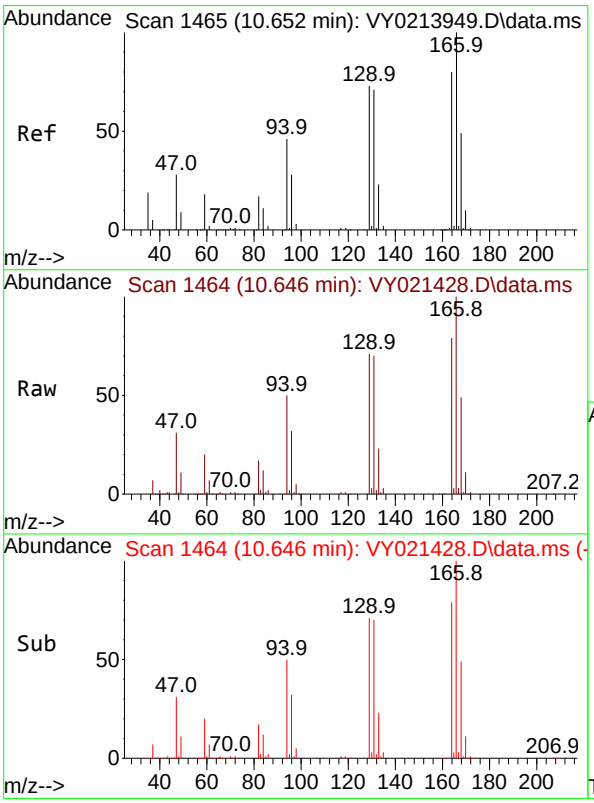
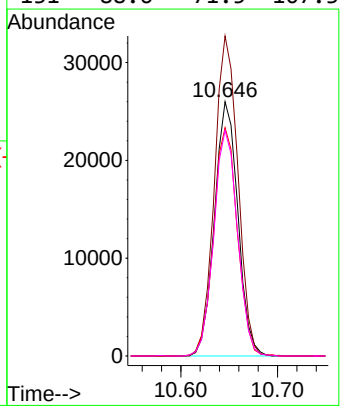
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

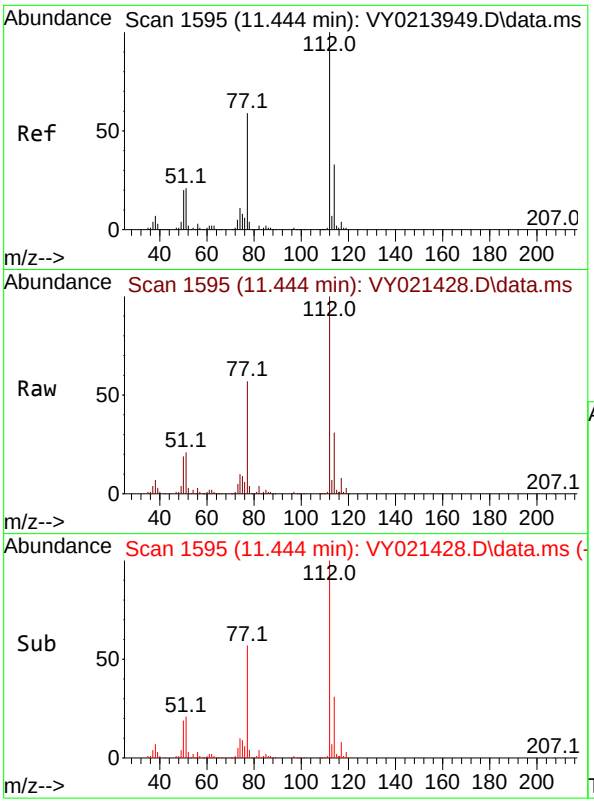


#64
Tetrachloroethene
Concen: 18.343 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:164 Resp: 43645

Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.4	150.6
129	89.8	73.8	110.8
131	88.6	71.5	107.3





#65
Chlorobenzene
Concen: 18.619 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:112 Resp: 12865

Ion	Ratio	Lower	Upper
112	100		
114	31.1	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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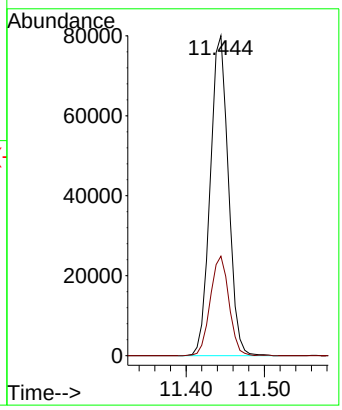
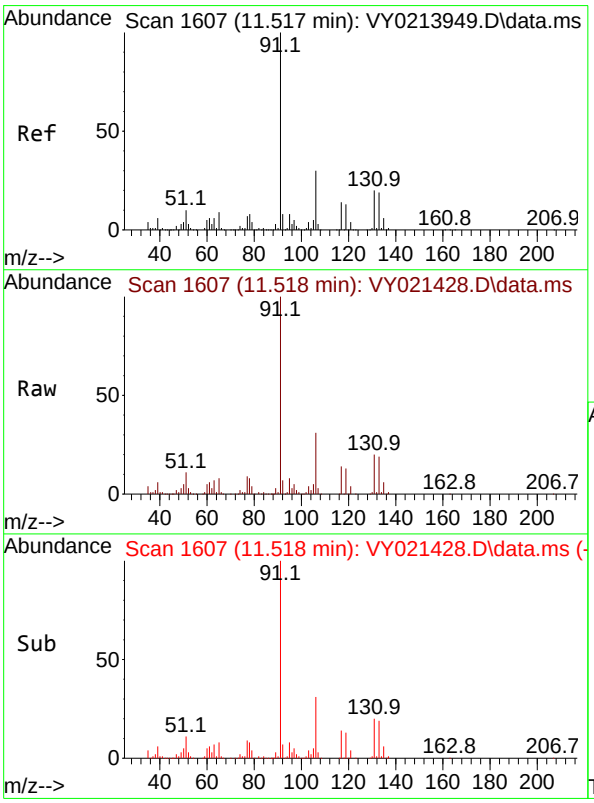
Supervised By :Semsettin Yesilyurt 03/07/2025

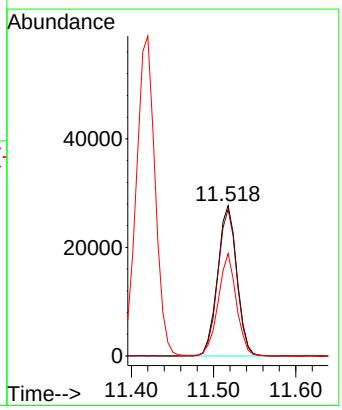


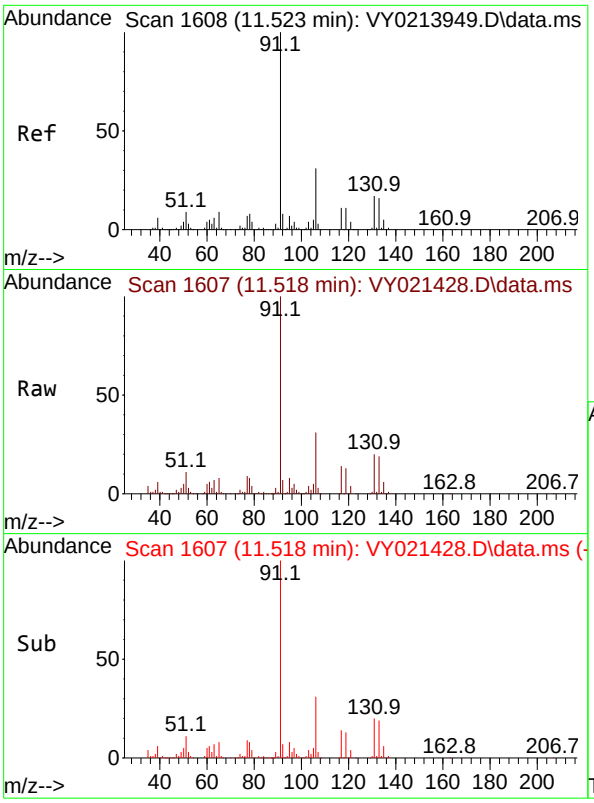


#66
1,1,1,2-Tetrachloroethane
Concen: 18.520 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:131 Resp: 45244

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.6	142.9
119	64.2	32.3	96.9





#67
Ethyl Benzene
Concen: 17.824 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 91 Resp: 21617

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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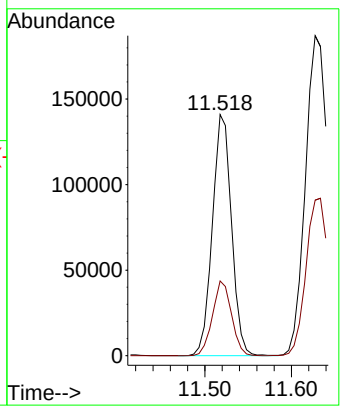
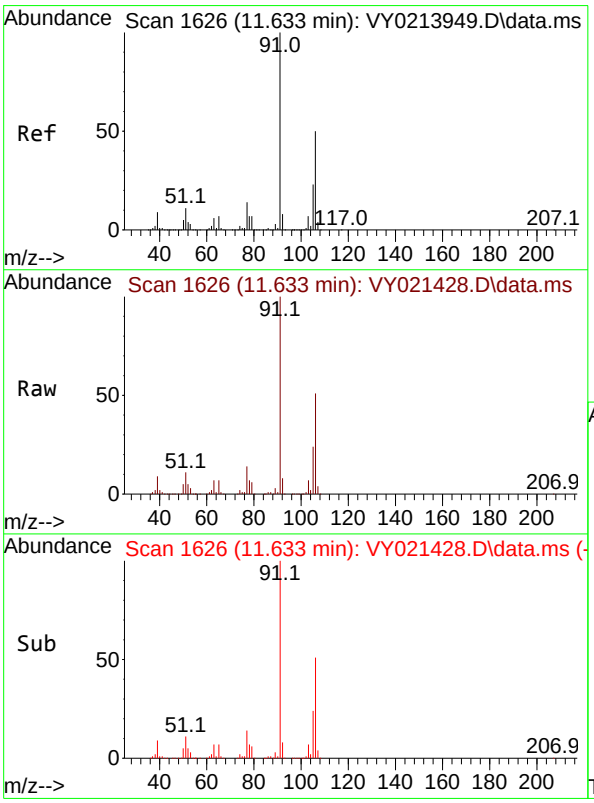
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

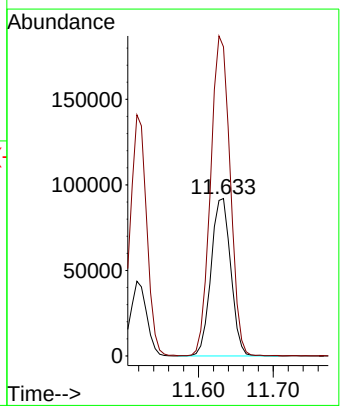


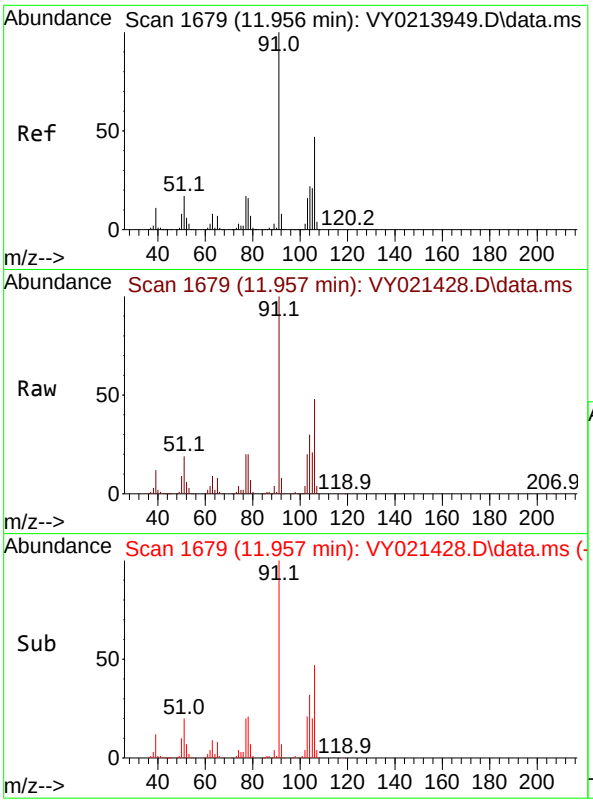


#68
m/p-Xylenes
Concen: 36.598 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:106 Resp: 168512

Ion	Ratio	Lower	Upper
106	100		
91	202.0	161.7	242.5





#69
o-Xylene
Concen: 18.151 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:106 Resp: 7702

Ion	Ratio	Lower	Upper
106	100		
91	214.7	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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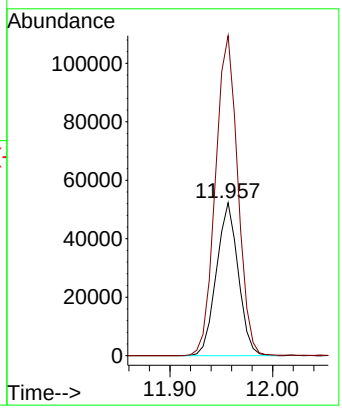
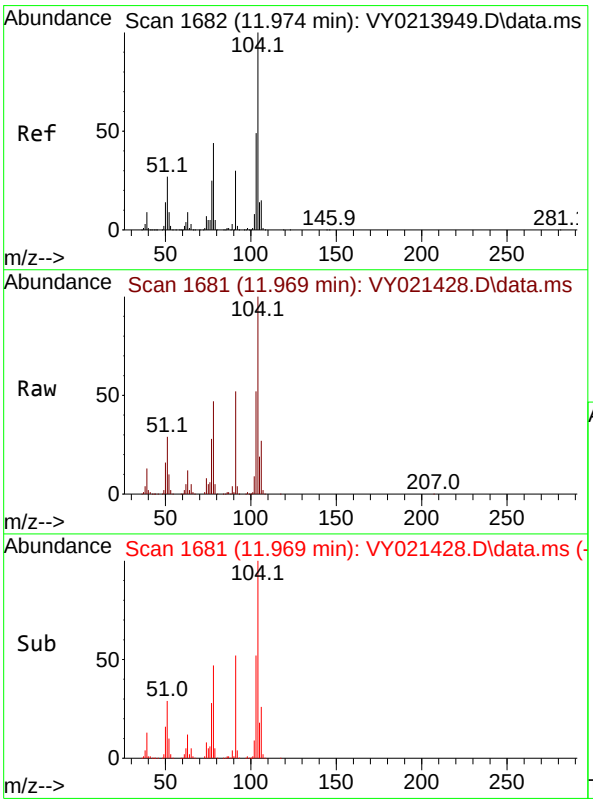
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

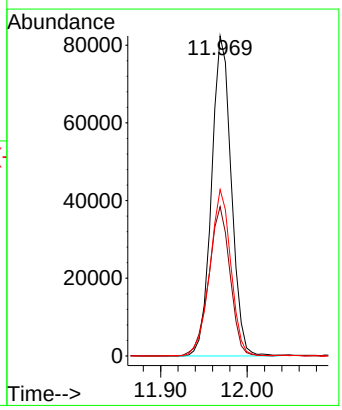


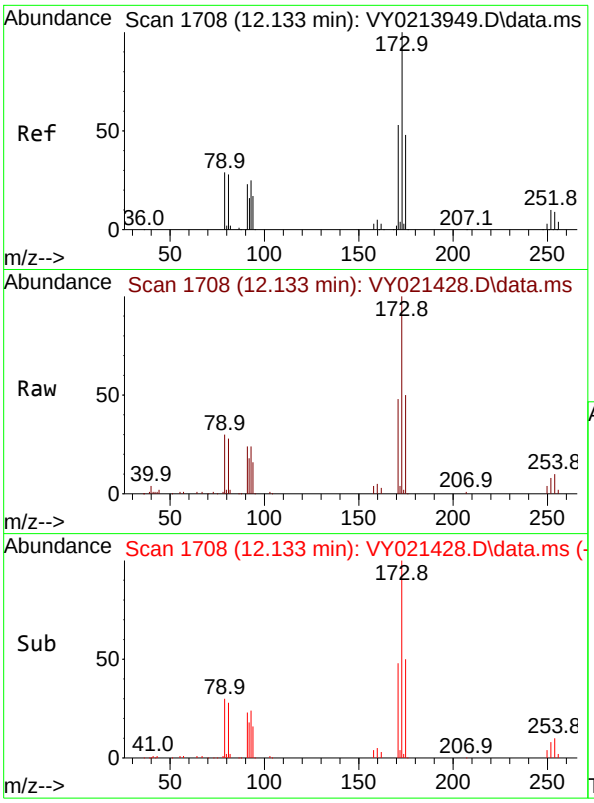


#70
Styrene
Concen: 18.561 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:104 Resp: 130672

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.7	61.1
103	55.2	44.1	66.1

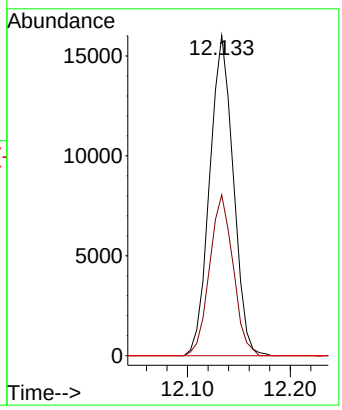




#71
Bromoform
Concen: 18.762 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:173 Resp: 2562

Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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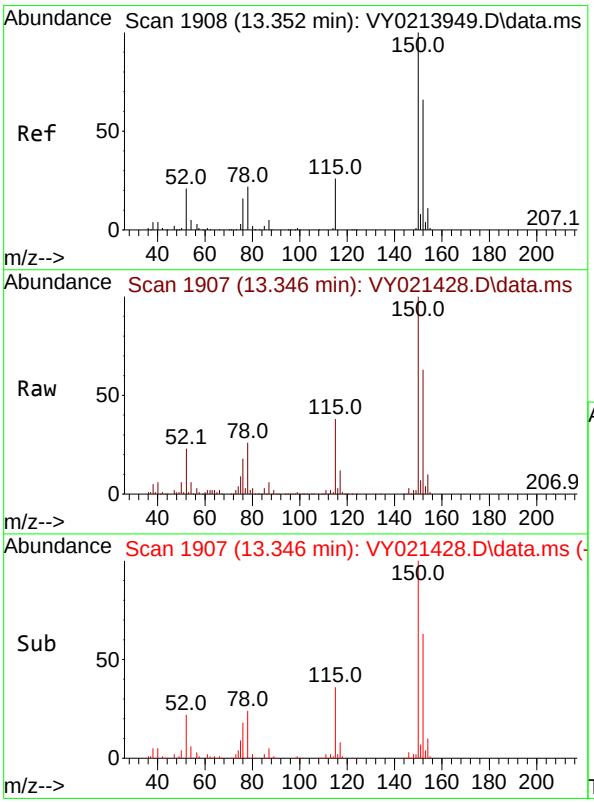
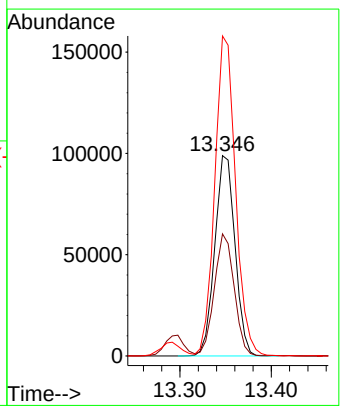
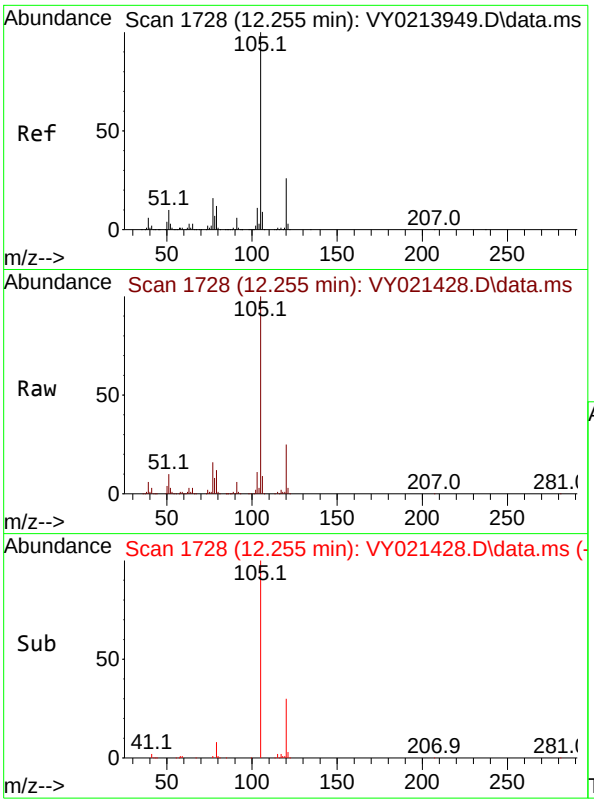


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:152 Resp: 152176

Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.0	87.0
150	163.9	0.0	347.2

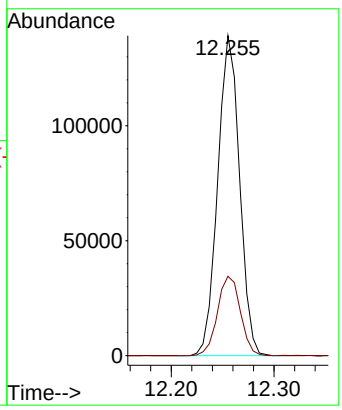




#73
Isopropylbenzene
Concen: 17.133 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:105 Resp: 20537

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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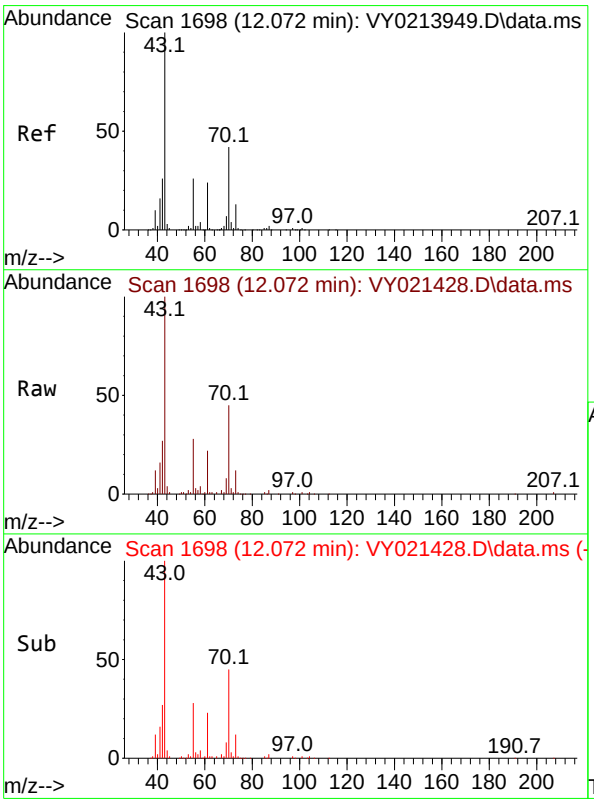
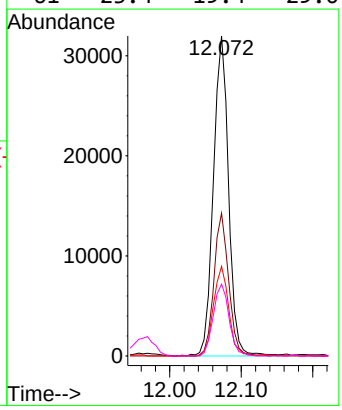
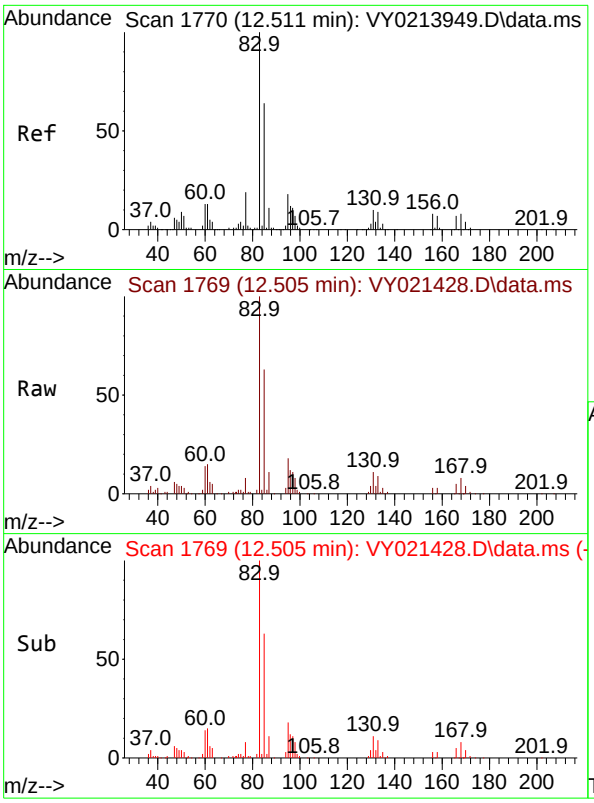


#74
N-amyl acetate
Concen: 18.086 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 43 Resp: 47083

Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.6	51.8
55	28.2	21.1	31.7
61	23.4	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 18.824 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 83 Resp: 3982

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	16.1
85	64.0	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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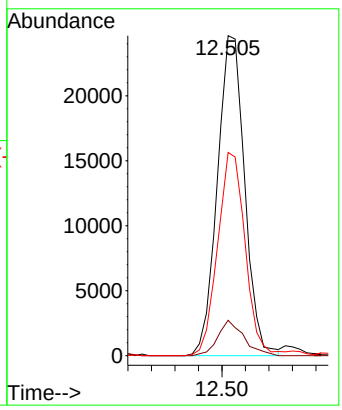
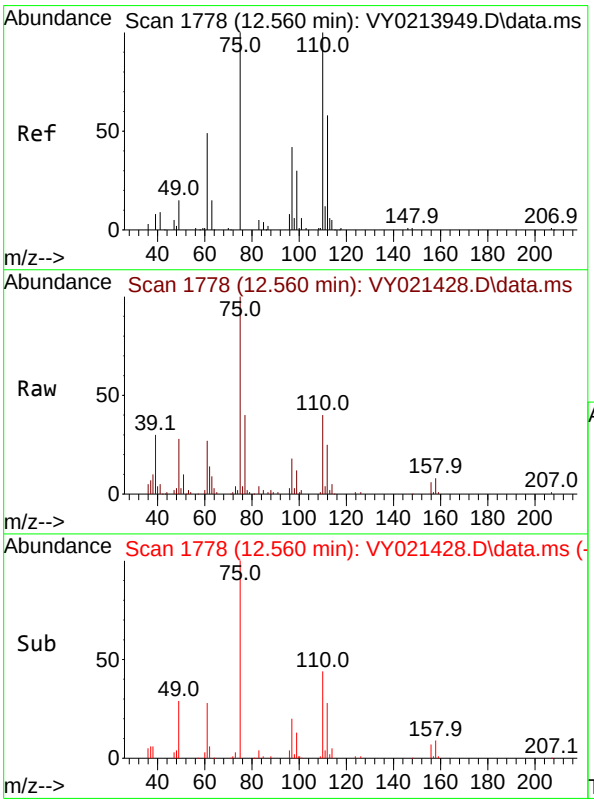
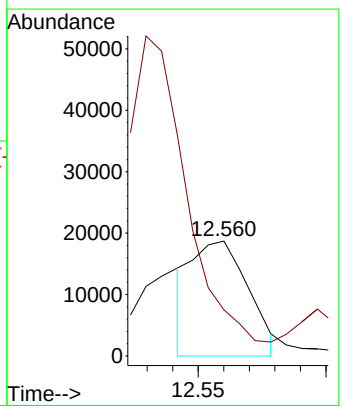


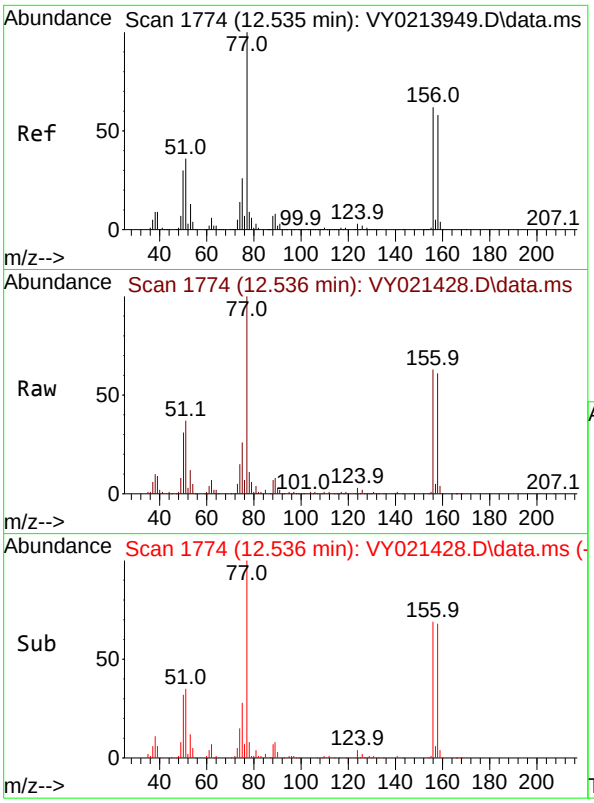


#76
1,2,3-Trichloropropane
Concen: 18.847 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 75 Resp: 28901

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

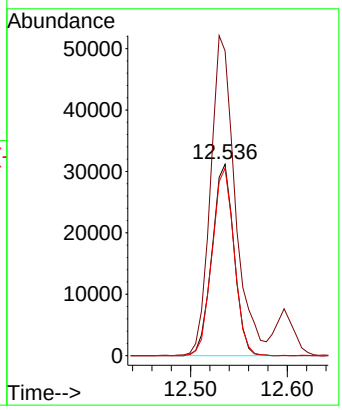




#77
Bromobenzene
Concen: 17.541 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:156 Resp: 4919

Ion	Ratio	Lower	Upper
156	100		
77	187.7	93.6	280.8
158	98.2	48.3	144.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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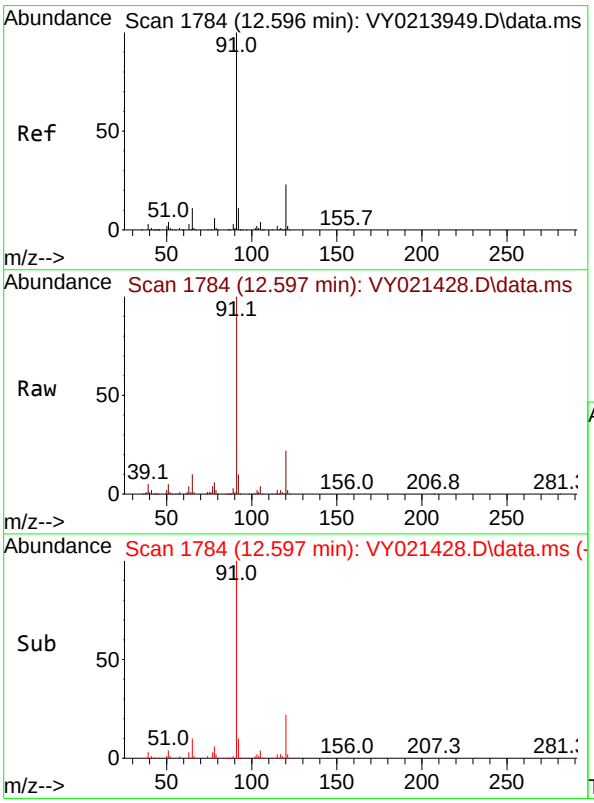
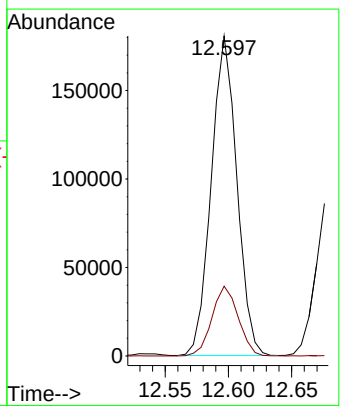
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

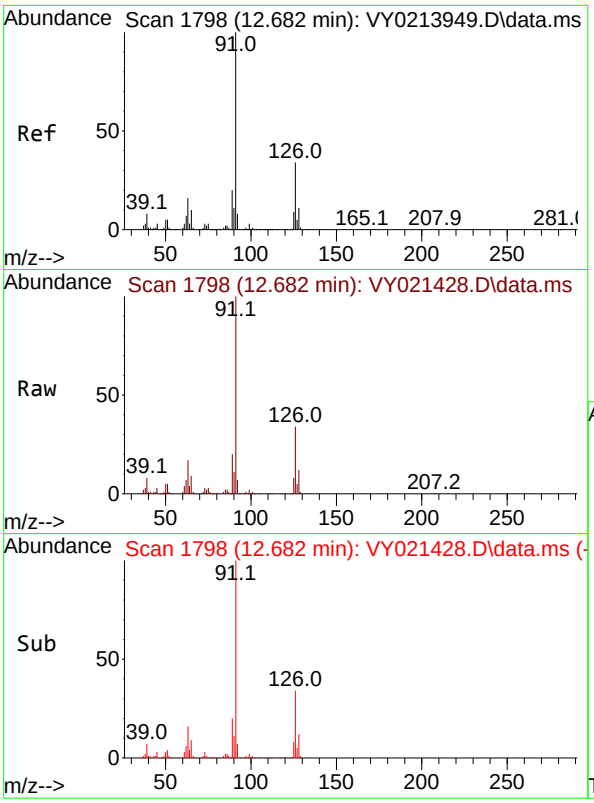


#78
n-propylbenzene
Concen: 17.461 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 91 Resp: 254198

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.8





#79
2-Chlorotoluene
Concen: 17.642 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 91 Resp: 14685

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.2	51.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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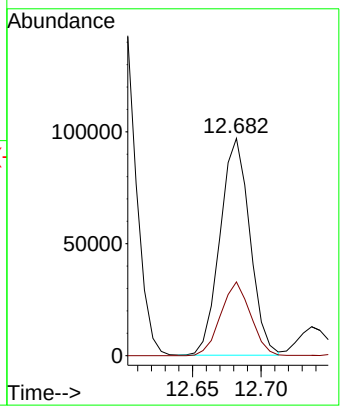
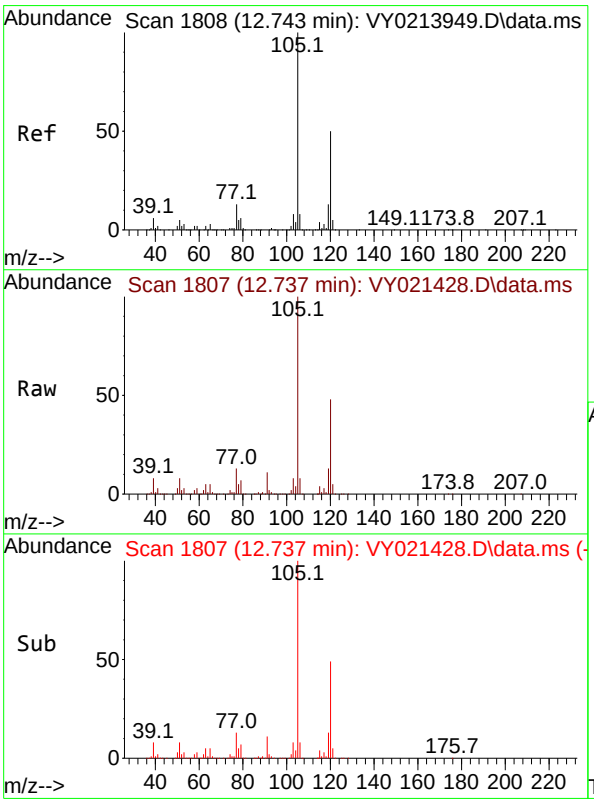
Supervised By :Semsettin Yesilyurt 03/07/2025

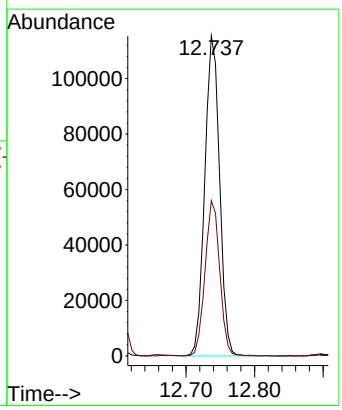


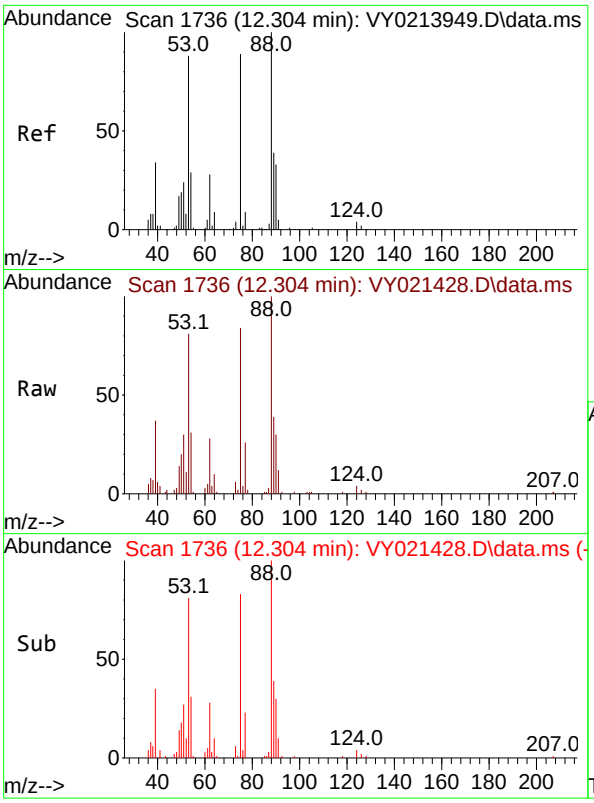


#80
1,3,5-Trimethylbenzene
Concen: 17.854 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:105 Resp: 173931

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 18.061 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 75 Resp: 1218

Ion	Ratio	Lower	Upper
75	100		
53	97.0	81.0	121.4
89	44.7	36.9	55.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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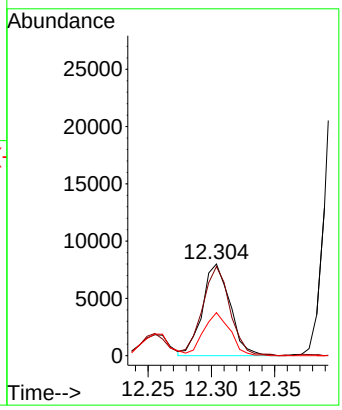
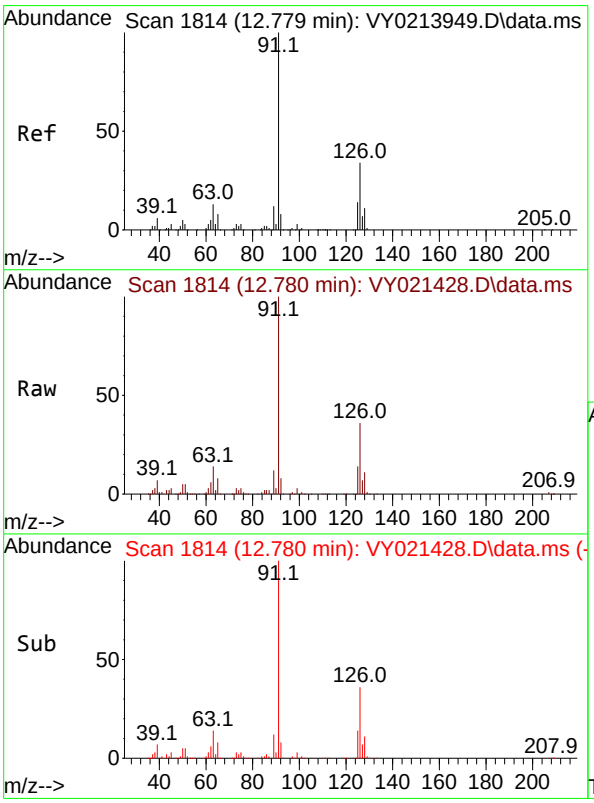
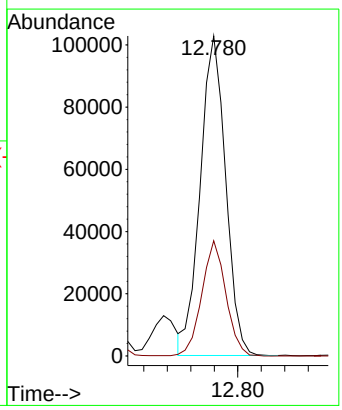


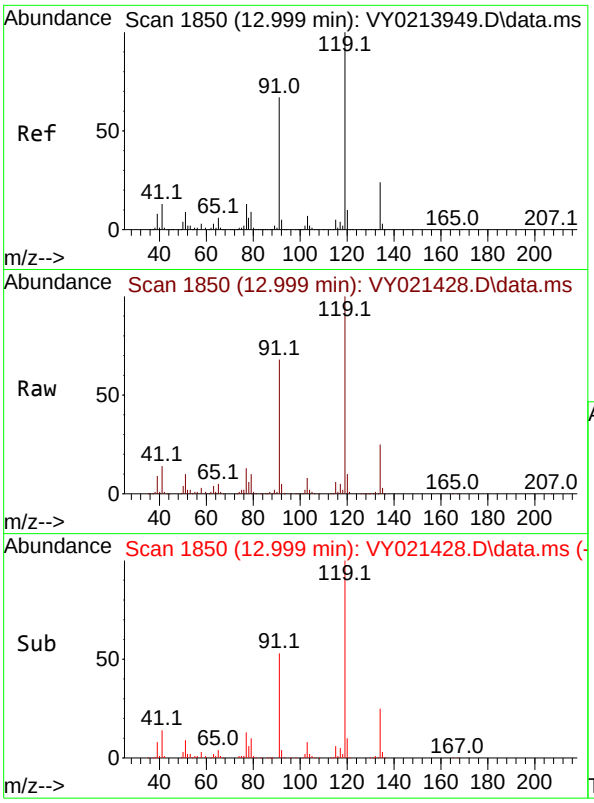


#82
4-Chlorotoluene
Concen: 17.882 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 91 Resp: 154146

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0





#83
tert-Butylbenzene
Concen: 17.198 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:119 Resp: 14945

Ion	Ratio	Lower	Upper
119	100		
91	66.3	33.2	99.6
134	27.5	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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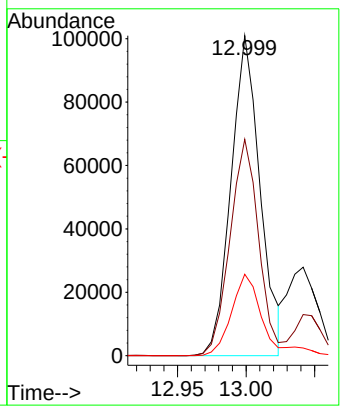
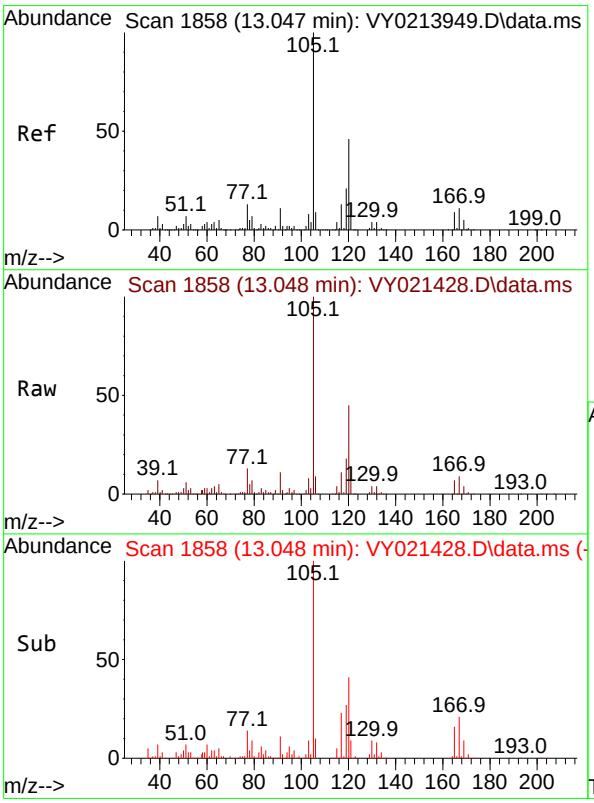
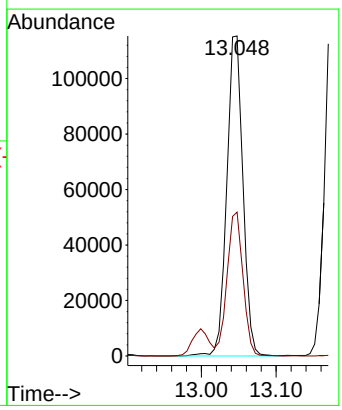


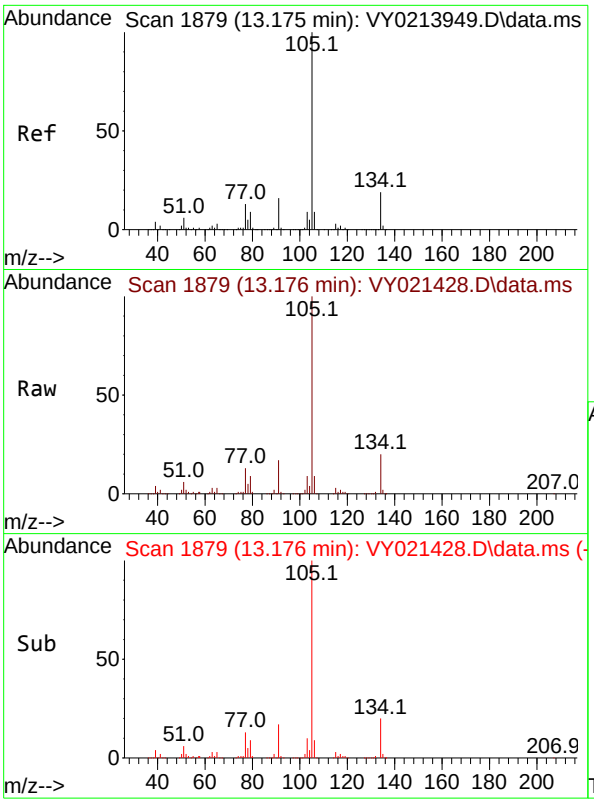


#84
1,2,4-Trimethylbenzene
Concen: 17.908 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:105 Resp: 173214

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.7	68.1





#85
sec-Butylbenzene
Concen: 17.373 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:105 Resp: 22463

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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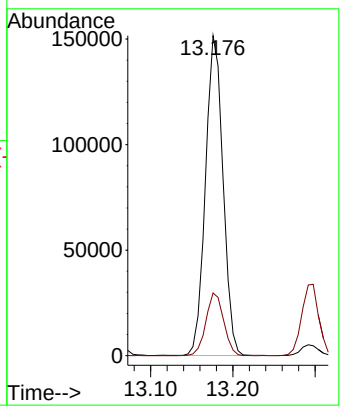
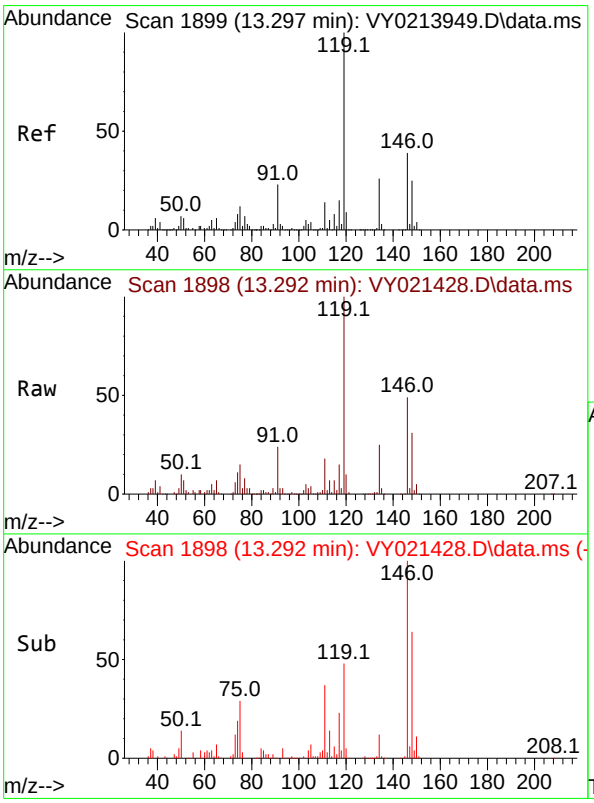
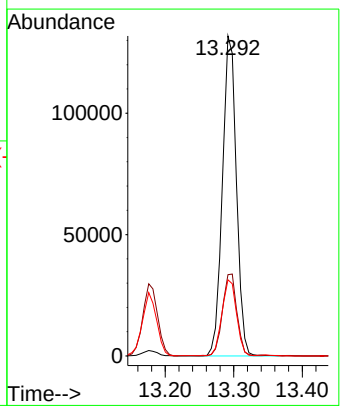


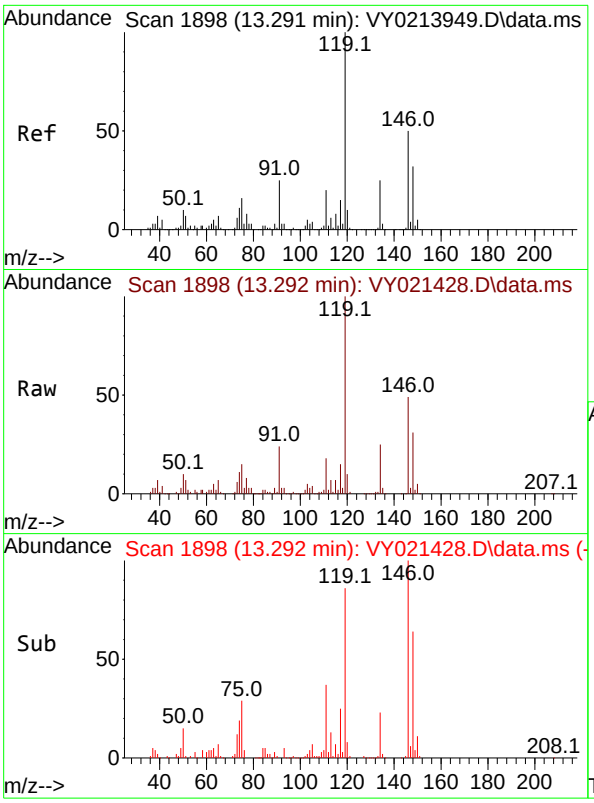


#86
p-Isopropyltoluene
Concen: 17.502 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:119 Resp: 186440

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	24.5	12.2	36.6





#87
1,3-Dichlorobenzene
Concen: 17.691 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:146 Resp: 9875

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	60.0
148	63.8	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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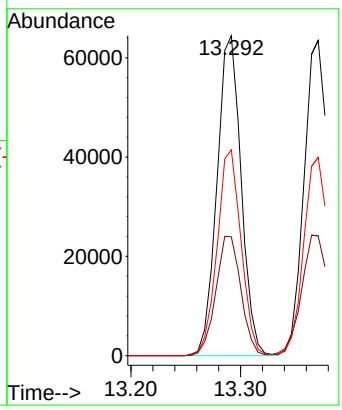
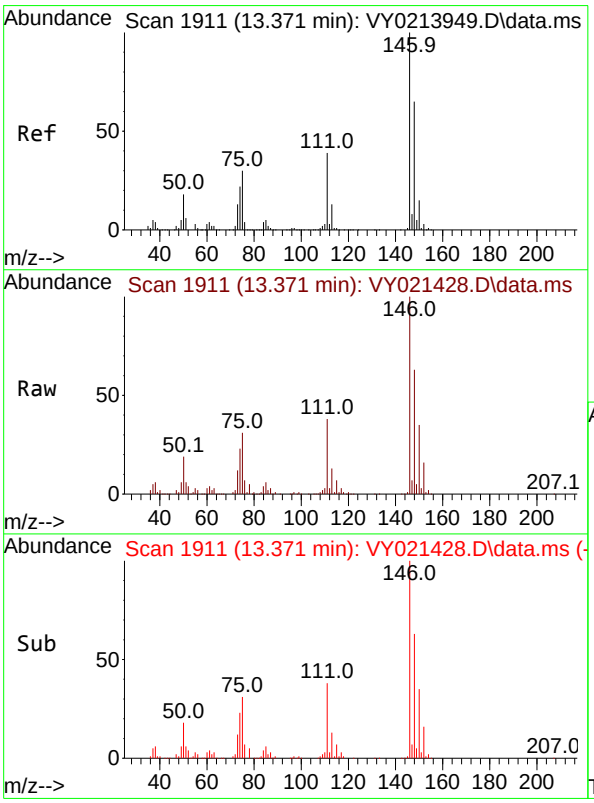
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

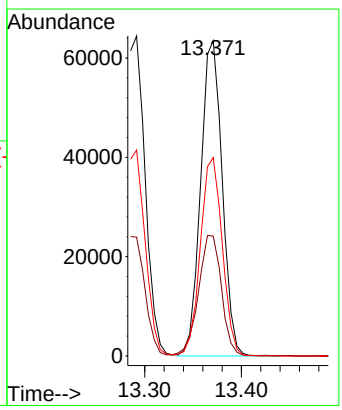


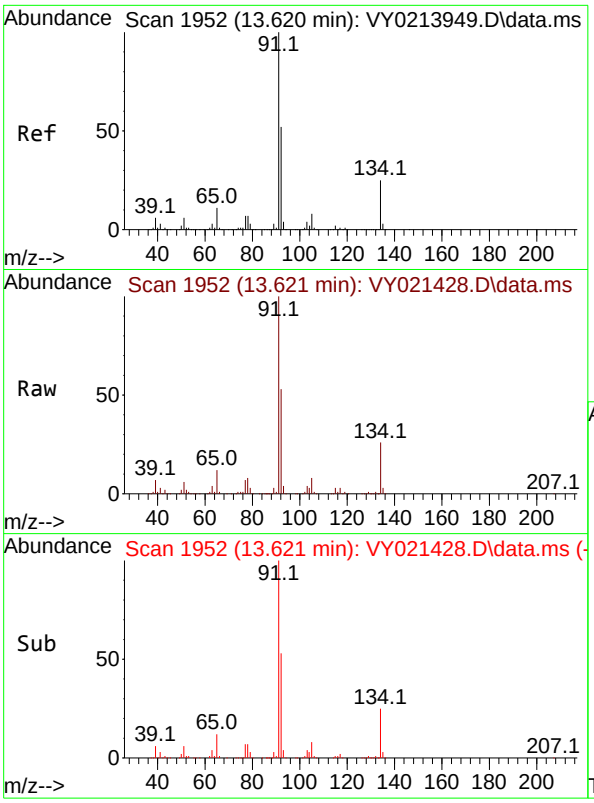


#88
1,4-Dichlorobenzene
Concen: 18.014 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:146 Resp: 98346

Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.6	58.8
148	64.2	32.3	96.8

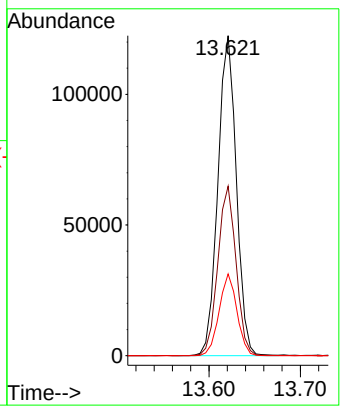




#89
n-Butylbenzene
Concen: 17.459 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 91 Resp: 17173

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.3
134	24.7	12.6	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
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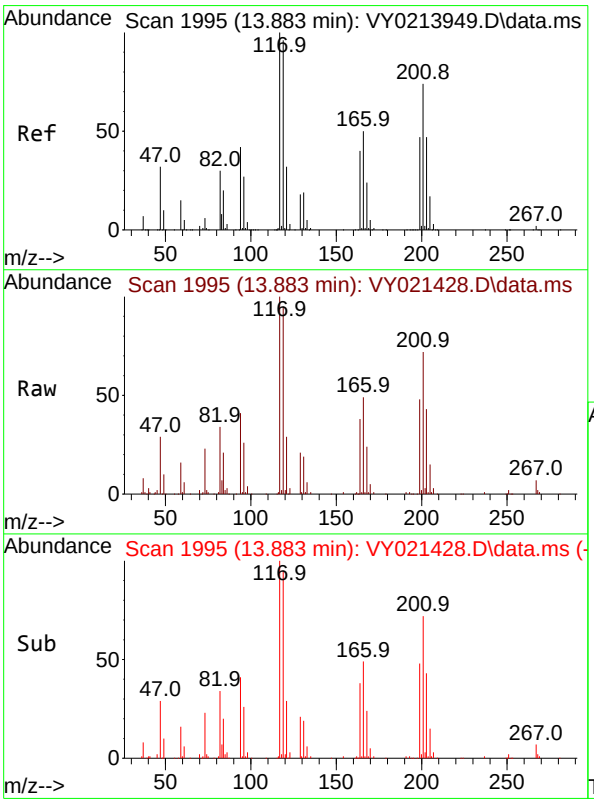
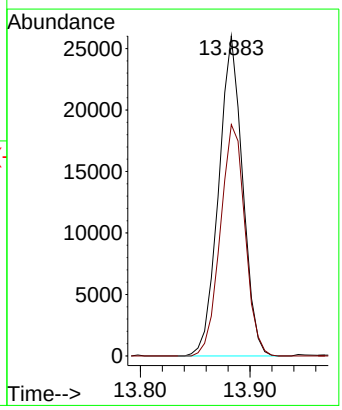
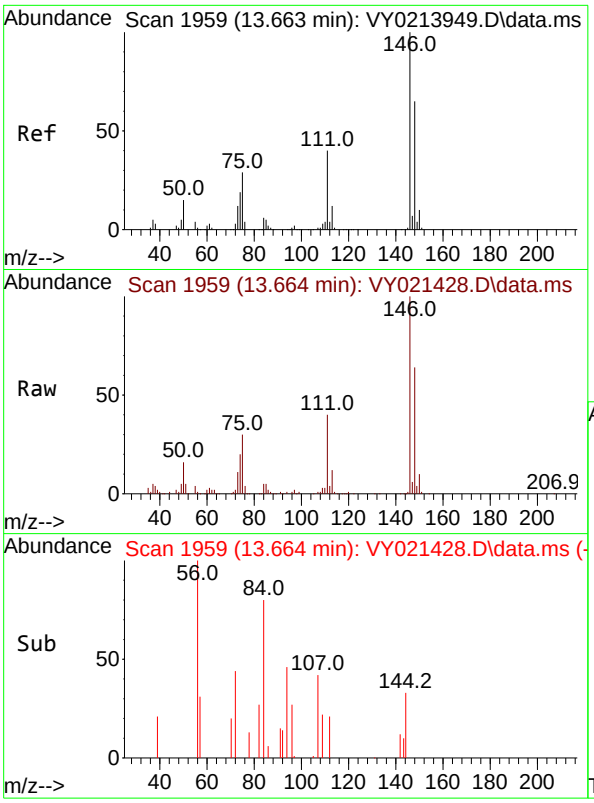


#90
Hexachloroethane
Concen: 17.395 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:117 Resp: 39531

Ion	Ratio	Lower	Upper
117	100		
201	74.4	37.4	112.2

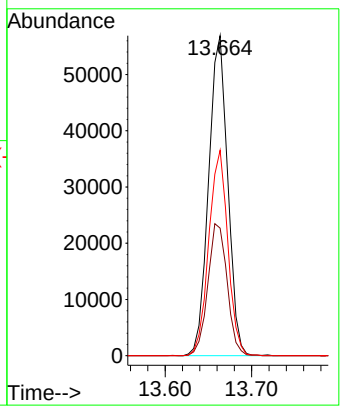




#91
1,2-Dichlorobenzene
Concen: 18.225 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:146 Resp: 8719

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	64.0	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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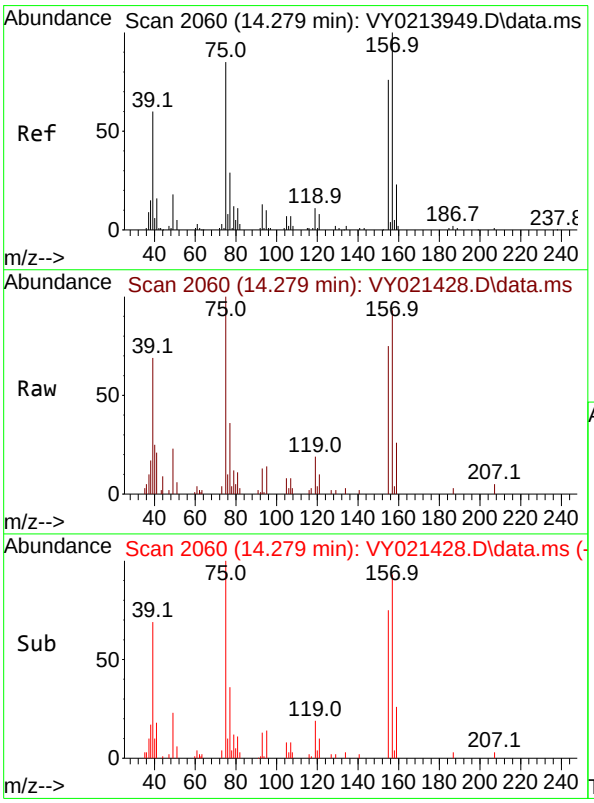
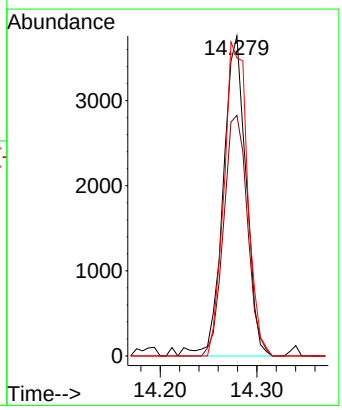
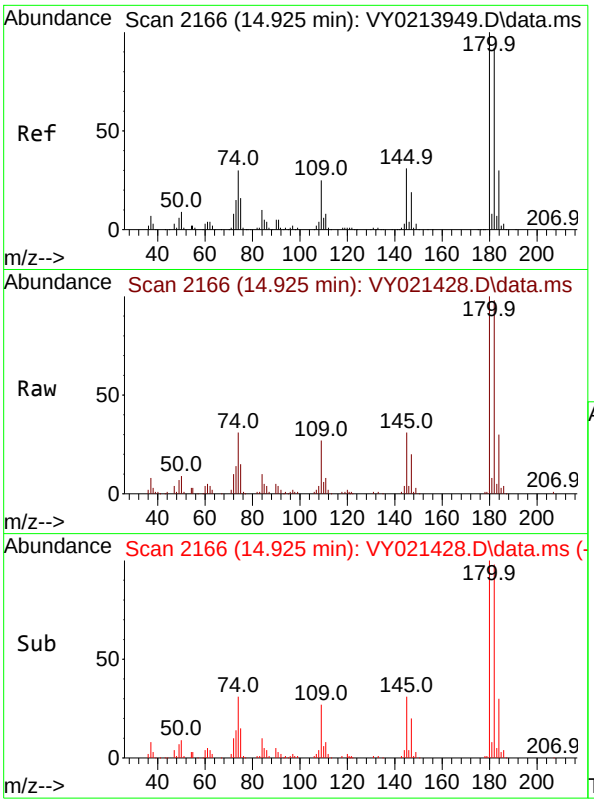


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.390 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion: 75 Resp: 6144

Ion	Ratio	Lower	Upper
75	100		
155	78.4	43.5	130.5
157	100.8	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 17.321 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:180 Resp: 4526

Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.7	140.0
145	30.3	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

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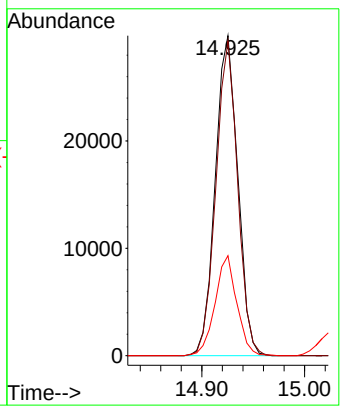
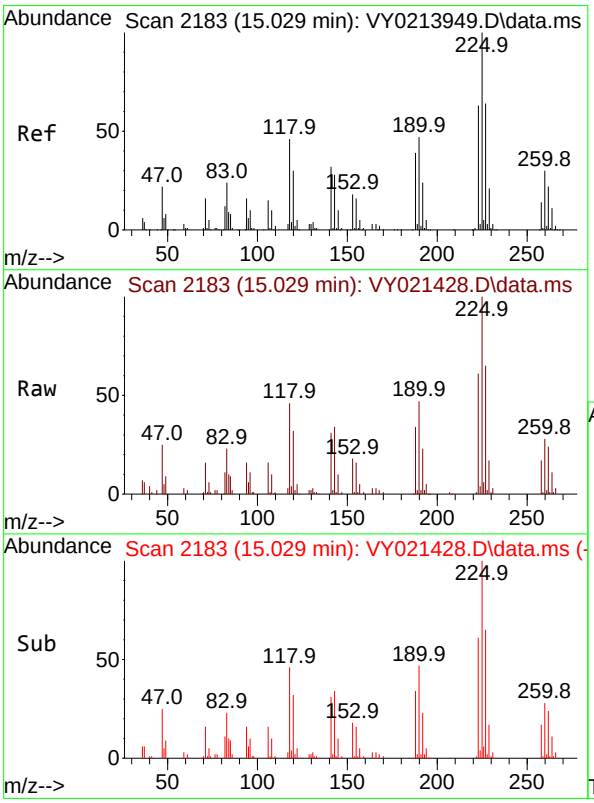
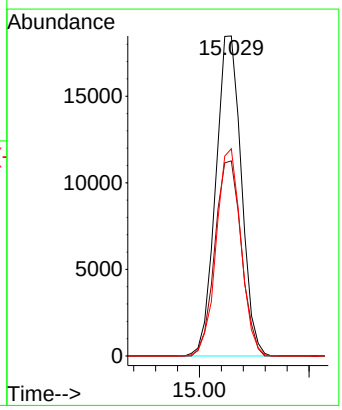


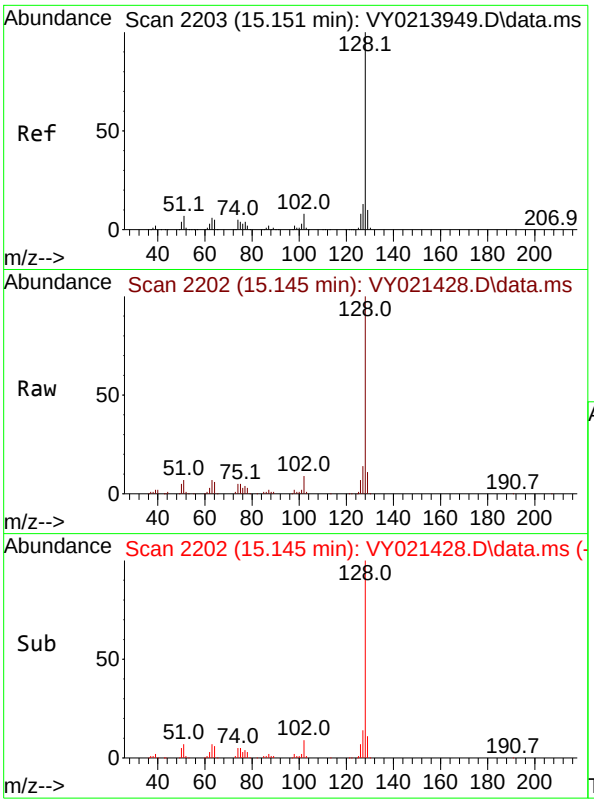


#94
Hexachlorobutadiene
Concen: 18.285 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:225 Resp: 29954

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.2
227	62.4	31.8	95.4

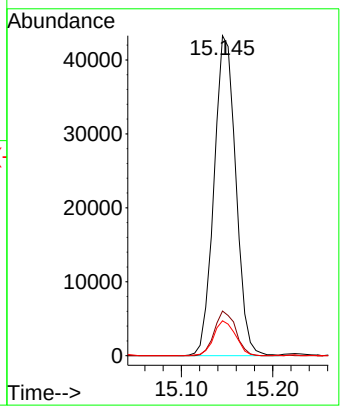




#95
Naphthalene
Concen: 18.264 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:128 Resp: 7174

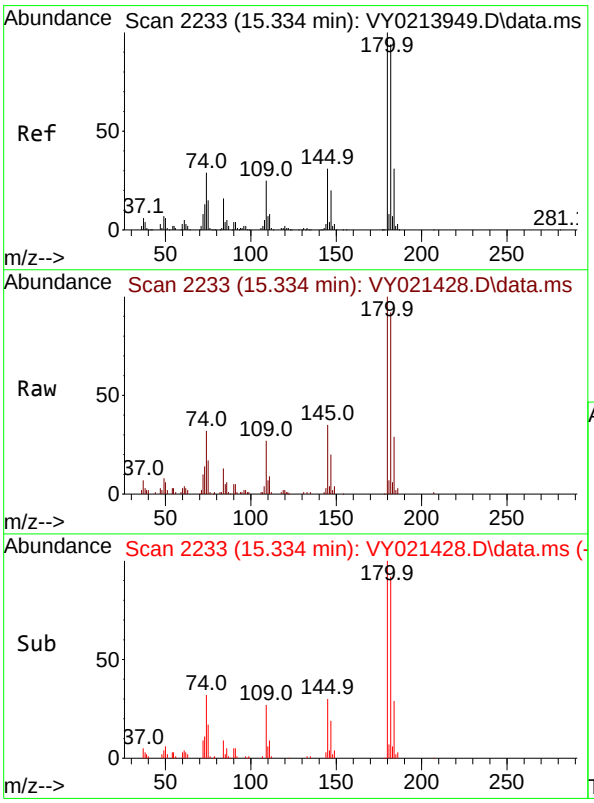
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.0	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

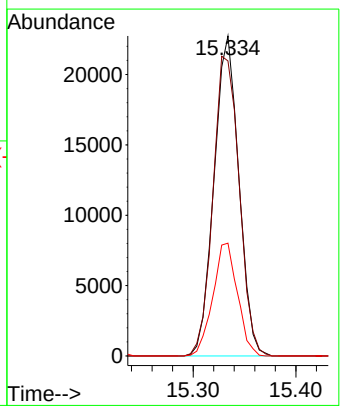
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.350 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021428.D
Acq: 06 Mar 2025 12:33

Tgt Ion:180 Resp: 38134

Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.2	141.6
145	35.0	16.4	49.1



Raw Data: **VY021453.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0307SBS01	SDG No.:	Q1488
Lab Sample ID:	VY0307SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021453.D	1		03/07/25 12:03	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.5		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.2		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.7		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.6		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.5		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.4		0.78	5.00	ug/Kg
67-64-1	Acetone	120		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.9		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.4		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.5		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.6		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.6		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.7		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.9		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.4		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.0		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.2		2.40	5.00	ug/Kg
67-66-3	Chloroform	19.9		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.7		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.8		0.87	5.00	ug/Kg
71-43-2	Benzene	19.5		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.8		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.1		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	19.6		0.67	5.00	ug/Kg

Raw Data: **VY021453.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0307SBS01	SDG No.:	Q1488
Lab Sample ID:	VY0307SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021453.D	1		03/07/25 12:03	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.5		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.7		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.6		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.0		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.1		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.9		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.1		0.70	5.00	ug/Kg
100-42-5	Styrene	19.3		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.1		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.9		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.6		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.1		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.0		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.0		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.1		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	51.9		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 (38) - 130 (136)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	7.707			
540-36-3	1,4-Difluorobenzene	344000	8.616			
3114-55-4	Chlorobenzene-d5	302000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	153000	13.346			

Raw Data: **VY021453.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0307SBS01	SDG No.:	Q1488
Lab Sample ID:	VY0307SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021453.D	1		03/07/25 12:03	VY030725

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\VY030725\
Data File : VY021453.D
Acq On : 07 Mar 2025 12:03
Operator : SY/MD
Sample : VY0307SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 22:00:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	343563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	301562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123341	53.076	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.160%			
35) Dibromofluoromethane	7.634	113	117478	52.021	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.040%			
50) Toluene-d8	10.109	98	444032	51.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.860%			
62) 4-Bromofluorobenzene	12.408	95	148084	50.913	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39418	19.537	ug/l	94
3) Chloromethane	2.068	50	57411	20.182	ug/l	98
4) Vinyl Chloride	2.202	62	64302	20.685	ug/l	96
5) Bromomethane	2.592	94	46339	20.625	ug/l	96
6) Chloroethane	2.732	64	44175	21.504	ug/l	97
7) Trichlorofluoromethane	3.056	101	94934	21.880	ug/l	95
8) Diethyl Ether	3.452	74	23849	19.834	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	49349	19.921	ug/l	99
10) Methyl Iodide	4.007	142	48739	19.355	ug/l	100
11) Tert butyl alcohol	4.872	59	18258	108.044	ug/l	99
12) 1,1-Dichloroethene	3.787	96	43870	19.424	ug/l	97
13) Acrolein	3.647	56	16580	140.270	ug/l	95
14) Allyl chloride	4.385	41	70258	19.249	ug/l	99
15) Acrylonitrile	5.061	53	50908	99.456	ug/l	98
16) Acetone	3.866	43	58595	115.604	ug/l	96
17) Carbon Disulfide	4.104	76	133704	18.890	ug/l	99
18) Methyl Acetate	4.385	43	23025	20.473	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	110998	19.390	ug/l	99
20) Methylene Chloride	4.616	84	54760	20.582	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	49678	19.641	ug/l	95
22) Diisopropyl ether	6.018	45	157929	20.078	ug/l	99
23) Vinyl Acetate	5.957	43	450639	100.386	ug/l	99
24) 1,1-Dichloroethane	5.915	63	91407	19.690	ug/l	99
25) 2-Butanone	6.896	43	75161	107.199	ug/l	99
26) 2,2-Dichloropropane	6.884	77	82994	19.429	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	54488	18.963	ug/l	98
28) Bromochloromethane	7.244	49	37442	19.238	ug/l	99
29) Tetrahydrofuran	7.262	42	44158	102.018	ug/l	97
30) Chloroform	7.421	83	95944	19.903	ug/l	99
31) Cyclohexane	7.701	56	82128	18.870	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	86978	19.705	ug/l	99
36) 1,1-Dichloropropene	7.835	75	68637	19.417	ug/l	98
37) Ethyl Acetate	6.982	43	31592	20.220	ug/l	97
38) Carbon Tetrachloride	7.817	117	79070	19.449	ug/l	96
39) Methylcyclohexane	9.109	83	81593	18.818	ug/l	99
40) Benzene	8.079	78	202793	19.475	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021453.D
Acq On : 07 Mar 2025 12:03
Operator : SY/MD
Sample : VY0307SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 22:00:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.226	41	17773m	20.892 ug/l		
42) 1,2-Dichloroethane	8.158	62	57755	19.826 ug/l		100
43) Isopropyl Acetate	8.195	43	59917	19.755 ug/l	#	87
44) Trichloroethene	8.865	130	50339	19.130 ug/l		99
45) 1,2-Dichloropropane	9.140	63	49619	20.021 ug/l		97
46) Dibromomethane	9.231	93	27131	19.675 ug/l		99
47) Bromodichloromethane	9.426	83	71823	19.613 ug/l		99
48) Methyl methacrylate	9.219	41	27630	19.839 ug/l		98
49) 1,4-Dioxane	9.237	88	5803	428.740 ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	157126	100.404 ug/l		98
52) Toluene	10.170	92	128919	19.637 ug/l		98
53) t-1,3-Dichloropropene	10.396	75	62838	19.476 ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	73636	19.223 ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	35572	19.720 ug/l		96
56) Ethyl methacrylate	10.438	69	44620	19.396 ug/l		100
57) 1,3-Dichloropropane	10.719	76	60936	19.491 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	107568	101.290 ug/l		99
59) 2-Hexanone	10.762	43	109553	105.872 ug/l		98
60) Dibromochloromethane	10.914	129	47870	19.358 ug/l		99
61) 1,2-Dibromoethane	11.018	107	33437	19.641 ug/l		97
64) Tetrachloroethene	10.646	164	48058	19.598 ug/l		98
65) Chlorobenzene	11.444	112	135015	18.959 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	48814	19.388 ug/l		100
67) Ethyl Benzene	11.517	91	238496	19.081 ug/l		99
68) m/p-Xylenes	11.627	106	184669	38.916 ug/l		99
69) o-Xylene	11.956	106	83621	19.120 ug/l		99
70) Styrene	11.969	104	140205	19.324 ug/l		99
71) Bromoform	12.133	173	28337	20.134 ug/l	#	98
73) Isopropylbenzene	12.255	105	227722	18.919 ug/l		100
74) N-amyl acetate	12.072	43	49116	18.789 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	41732	19.647 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	30660m	19.912 ug/l		
77) Bromobenzene	12.536	156	51851	18.413 ug/l		98
78) n-propylbenzene	12.597	91	280785	19.208 ug/l		100
79) 2-Chlorotoluene	12.682	91	159129	19.038 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	187183	19.136 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	13174	19.450 ug/l		95
82) 4-Chlorotoluene	12.779	91	166239	19.206 ug/l		100
83) tert-Butylbenzene	12.999	119	163102	18.691 ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	185591	19.109 ug/l		100
85) sec-Butylbenzene	13.176	105	249181	19.192 ug/l		100
86) p-Isopropyltoluene	13.292	119	202582	18.939 ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	105372	18.798 ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	104875	19.131 ug/l		98
89) n-Butylbenzene	13.621	91	186240	18.856 ug/l		99
90) Hexachloroethane	13.883	117	43553	19.087 ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	91257	18.995 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6311	19.835 ug/l		90
93) 1,2,4-Trichlorobenzene	14.925	180	47173	17.977 ug/l		97
94) Hexachlorobutadiene	15.029	225	31456	19.123 ug/l		99
95) Naphthalene	15.151	128	74806	18.887 ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	39961	18.107 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021453.D
Acq On : 07 Mar 2025 12:03
Operator : SY/MD
Sample : VY0307SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 22:00:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

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

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

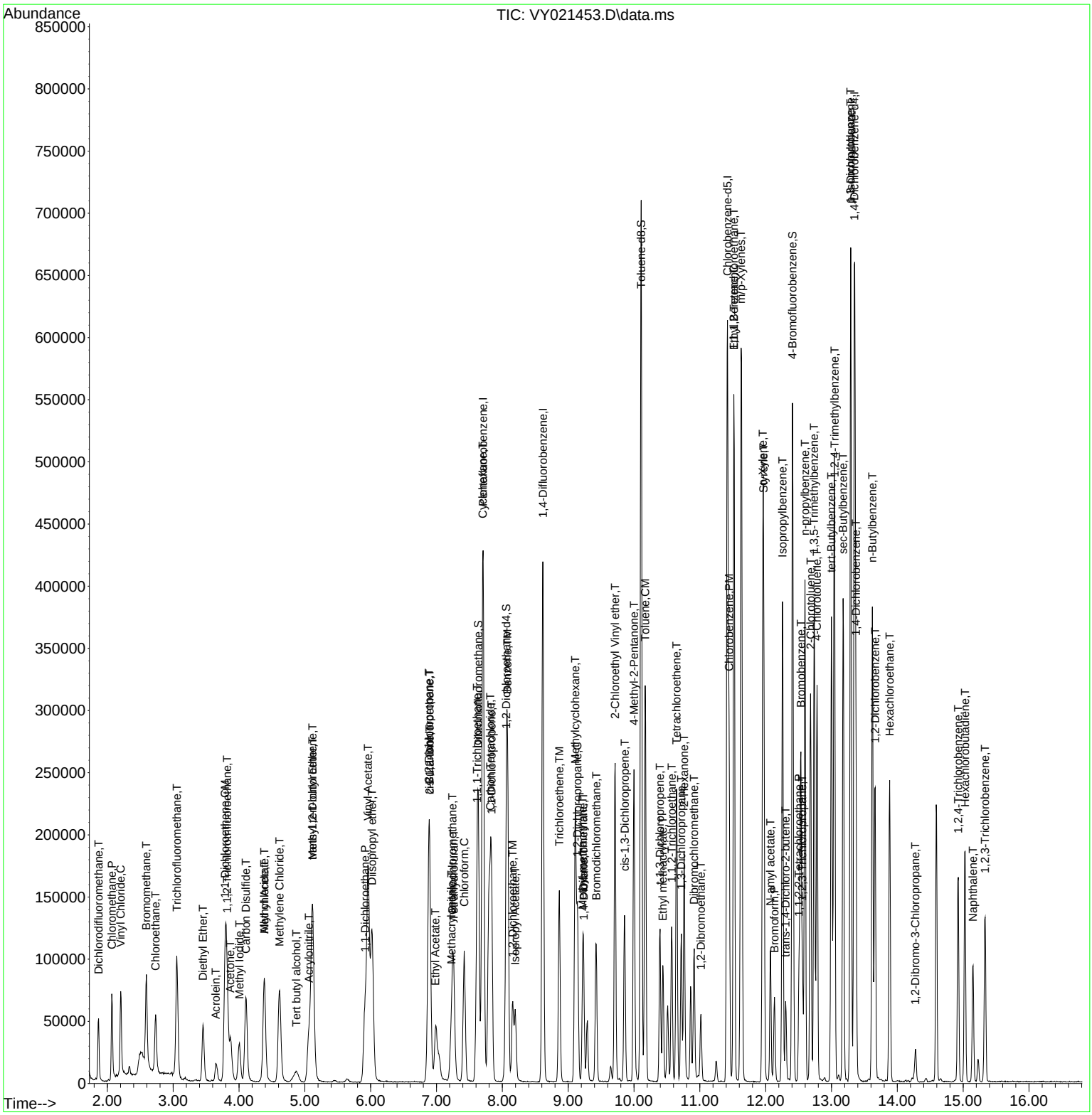
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021453.D
Acq On : 07 Mar 2025 12:03
Operator : SY/MD
Sample : VY0307SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

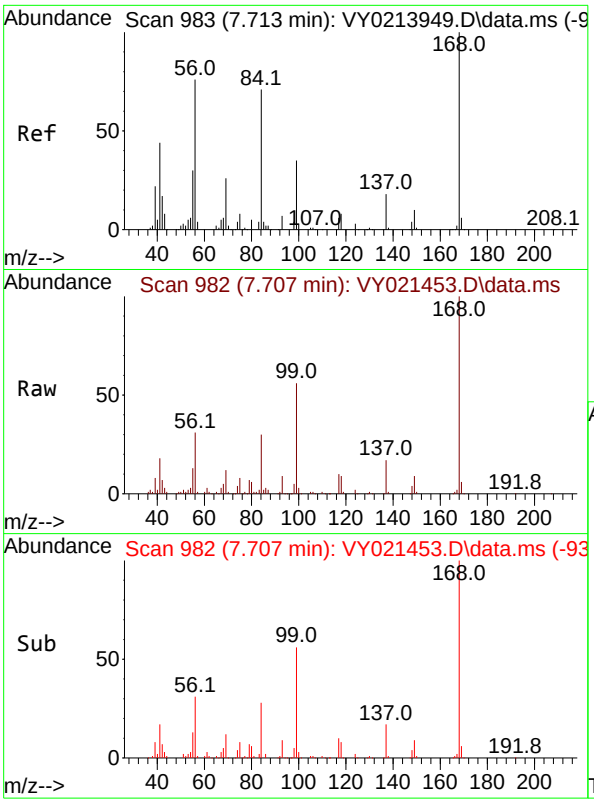
Quant Time: Mar 07 22:00:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

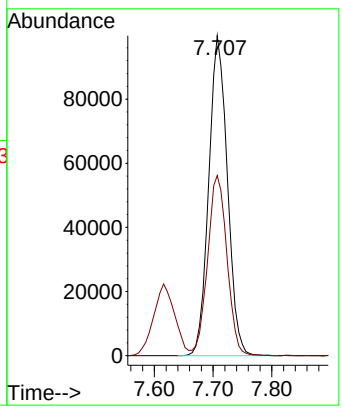




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:168 Resp: 21986

Ion	Ratio	Lower	Upper
168	100		
99	56.3	46.0	69.0



Instrument :
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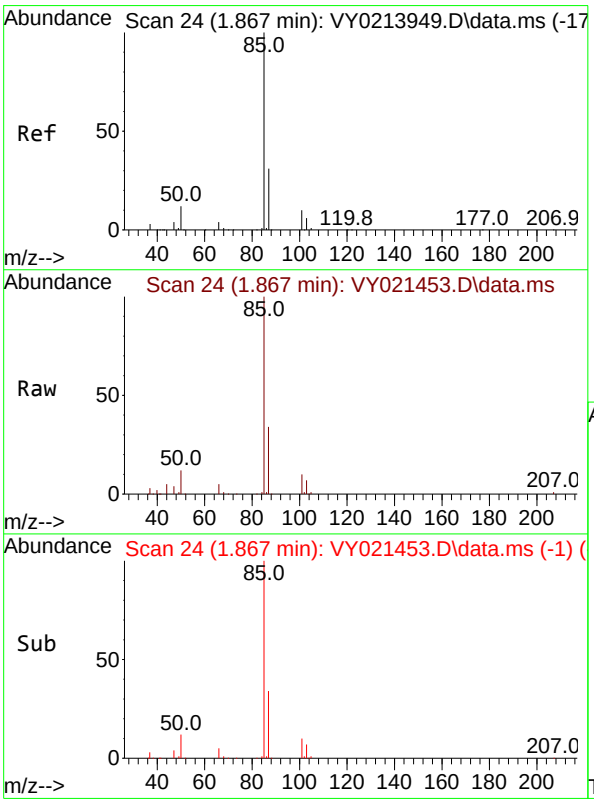
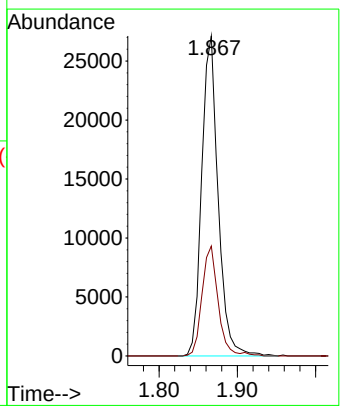
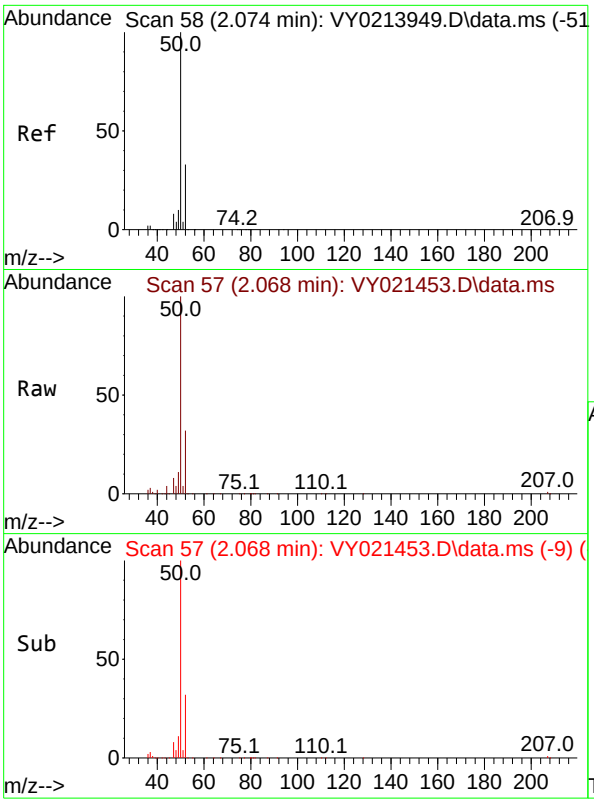


#2
Dichlorodifluoromethane
Concen: 19.537 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 85 Resp: 39418

Ion	Ratio	Lower	Upper
85	100		
87	34.3	15.7	47.0





#3
Chloromethane
Concen: 20.182 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 50 Resp: 5741

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
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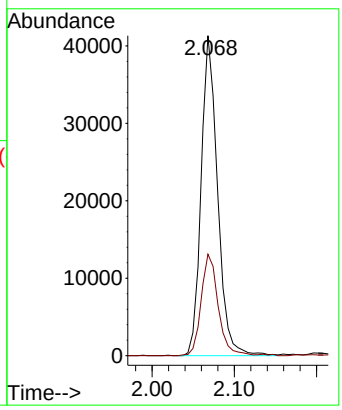
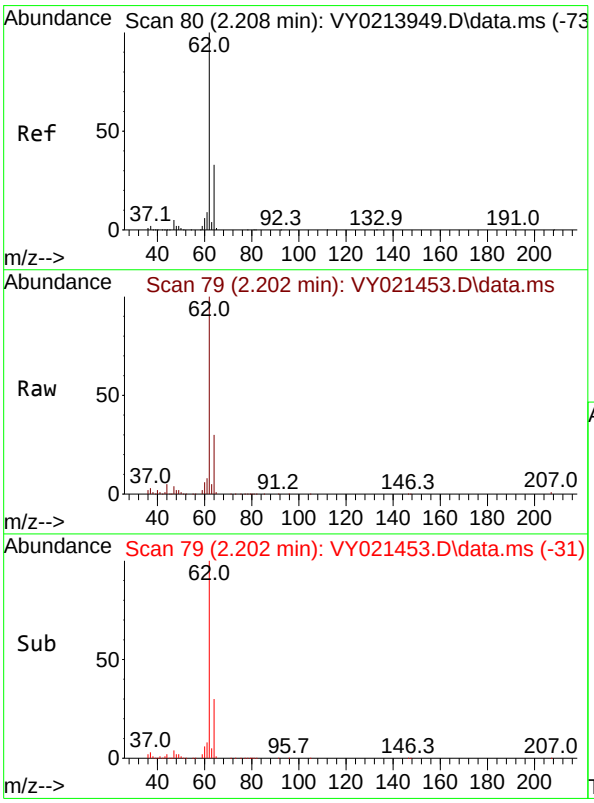
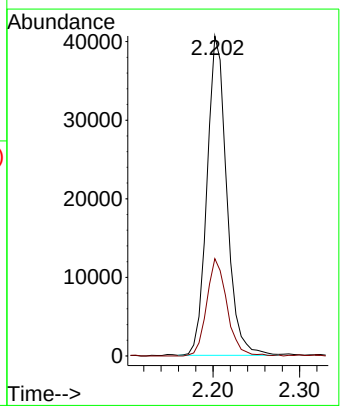


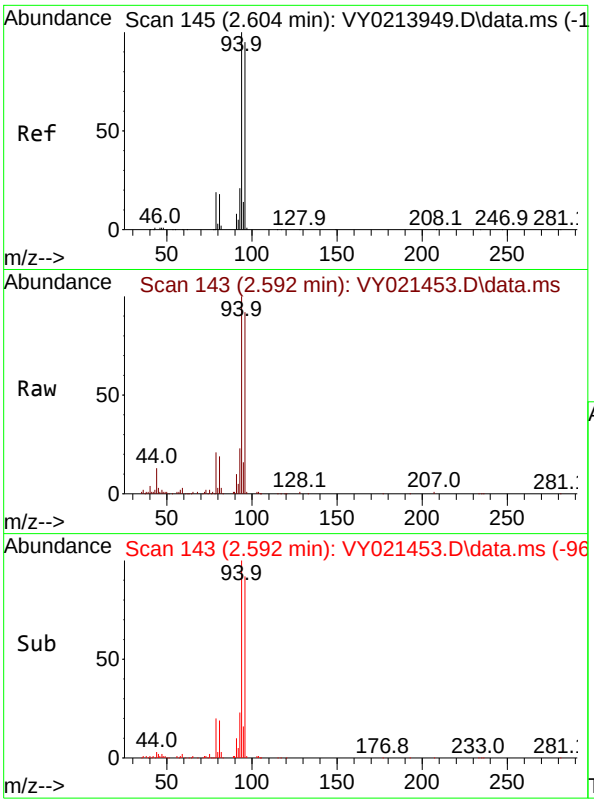


#4
Vinyl Chloride
Concen: 20.685 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 62 Resp: 64302

Ion	Ratio	Lower	Upper
62	100		
64	30.5	26.2	39.2





#5
Bromomethane
Concen: 20.625 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 94 Resp: 4633

Ion	Ratio	Lower	Upper
94	100		
96	91.7	76.3	114.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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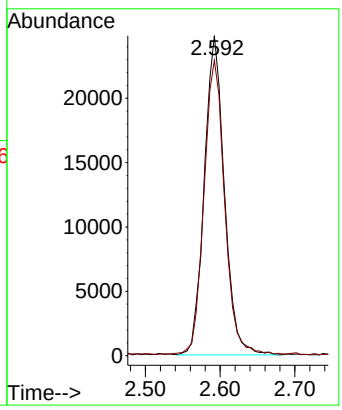
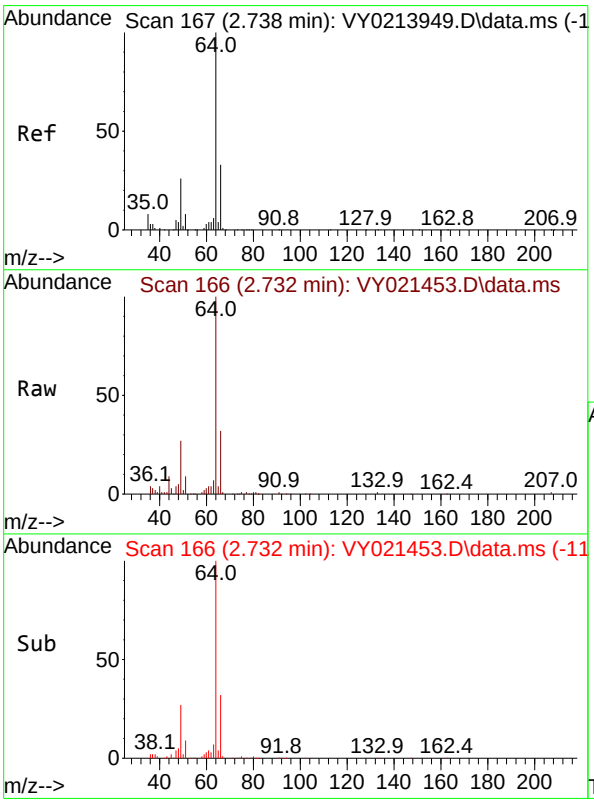
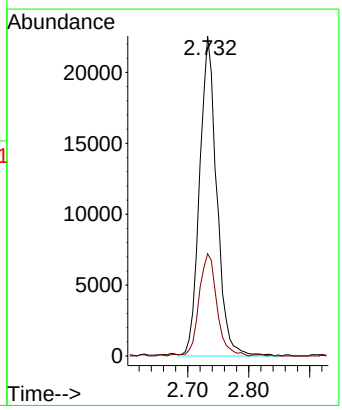


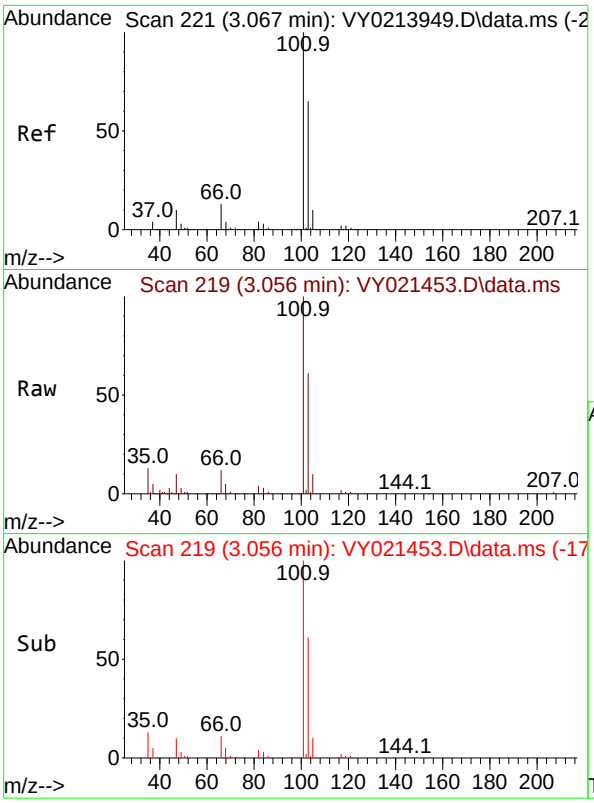


#6
Chloroethane
Concen: 21.504 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 64 Resp: 44175

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.7	40.1





#7
Trichlorofluoromethane
Concen: 21.880 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:101 Resp: 9493

Ion	Ratio	Lower	Upper
101	100		
103	61.0	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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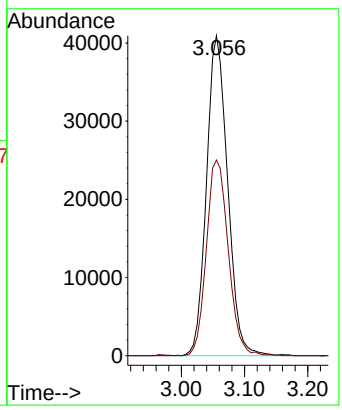
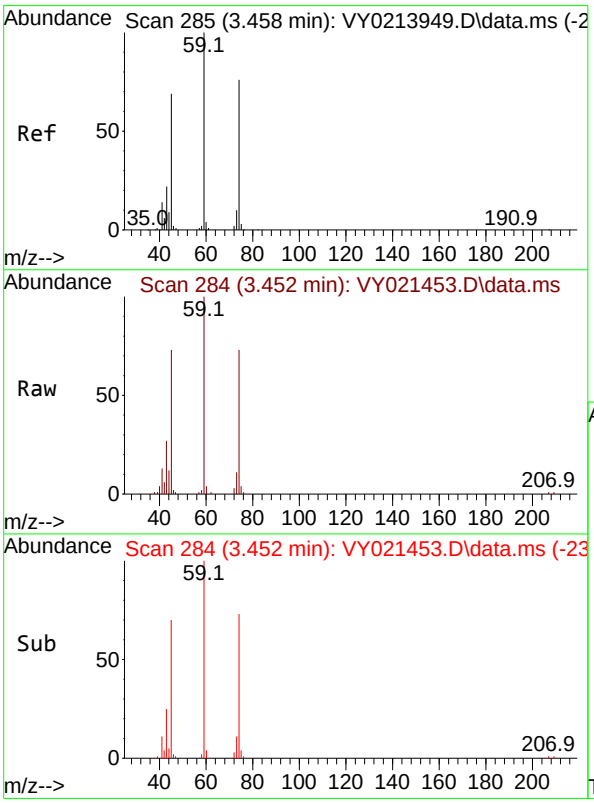
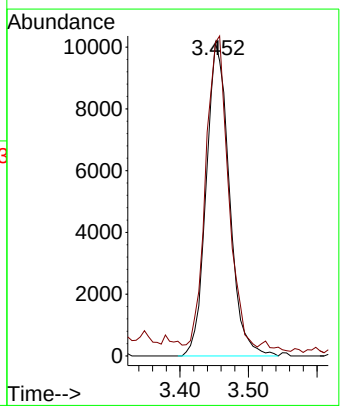


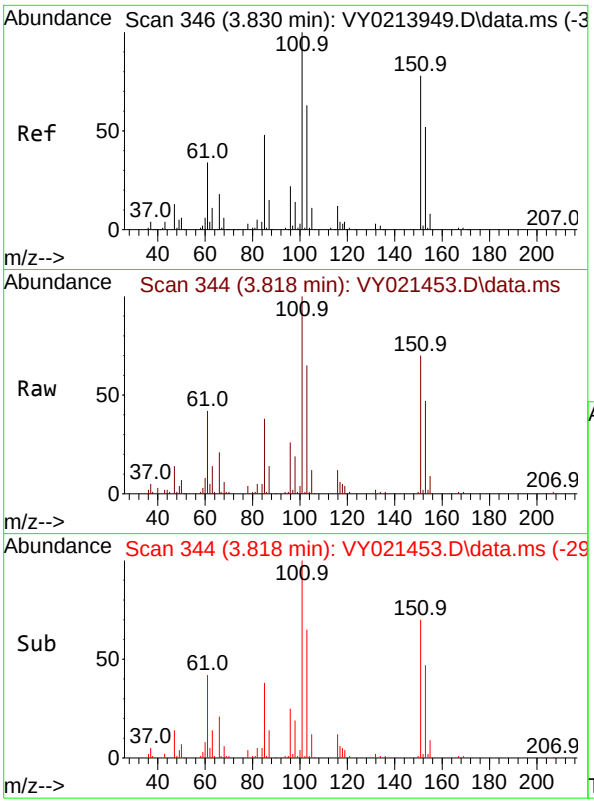


#8
Diethyl Ether
Concen: 19.834 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 74 Resp: 23849

Ion	Ratio	Lower	Upper
74	100		
45	100.2	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.921 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:101 Resp: 4934

Ion	Ratio	Lower	Upper
101	100		
85	47.2	37.1	55.7
151	76.4	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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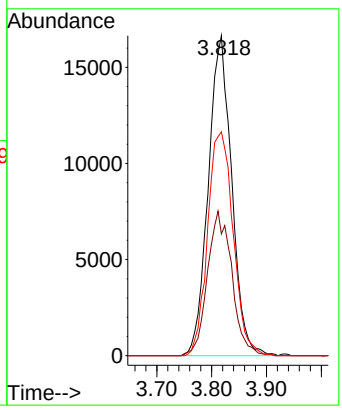
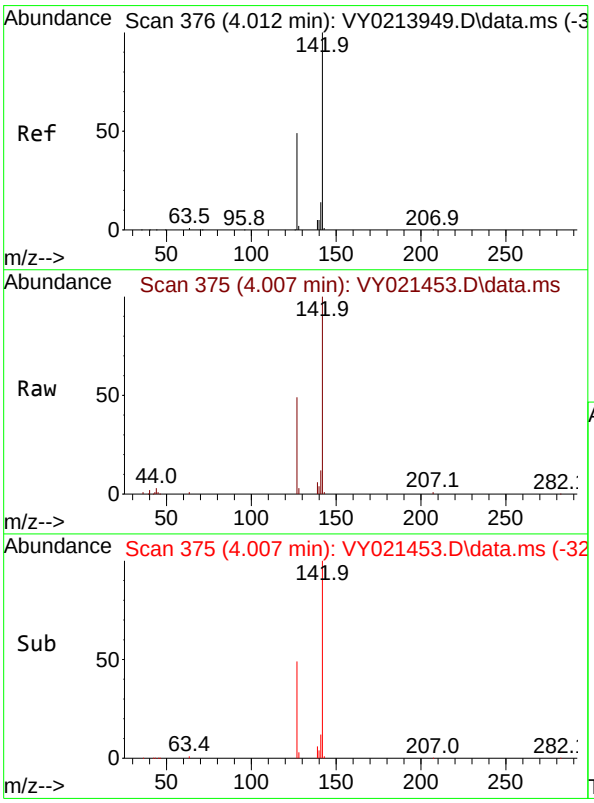
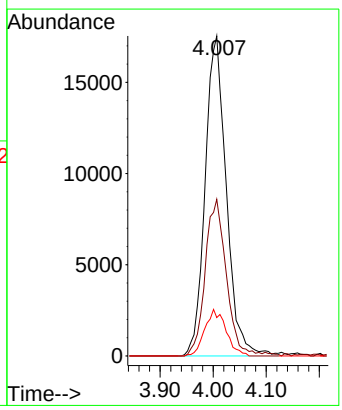


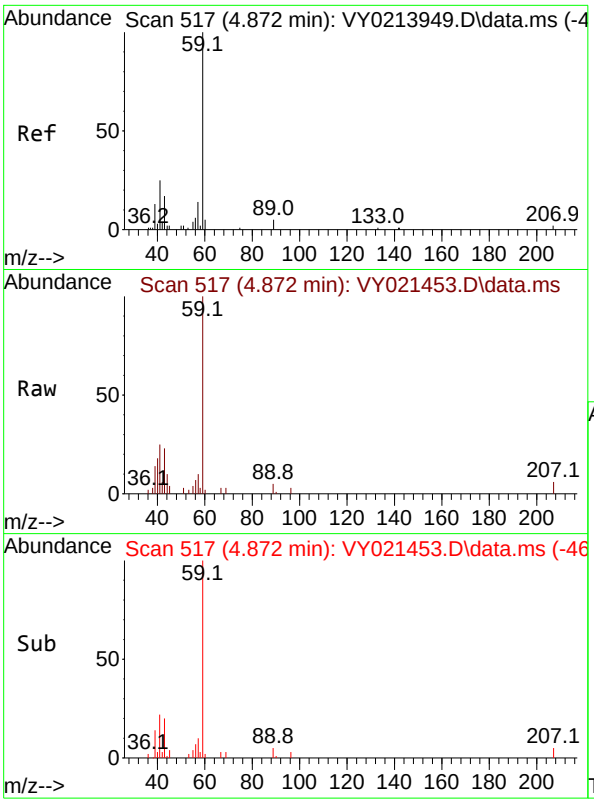


#10
Methyl Iodide
Concen: 19.355 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:142 Resp: 48739

Ion	Ratio	Lower	Upper
142	100		
127	48.6	39.1	58.7
141	14.6	11.8	17.6

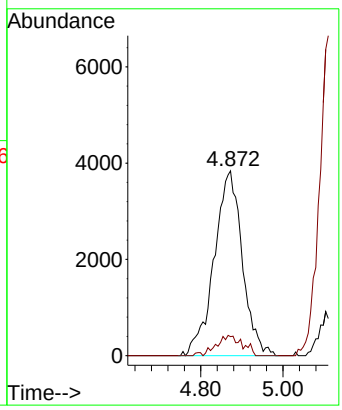




#11
Tert butyl alcohol
Concen: 108.044 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 59 Resp: 1825

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4



Instrument :
MSVOA_Y
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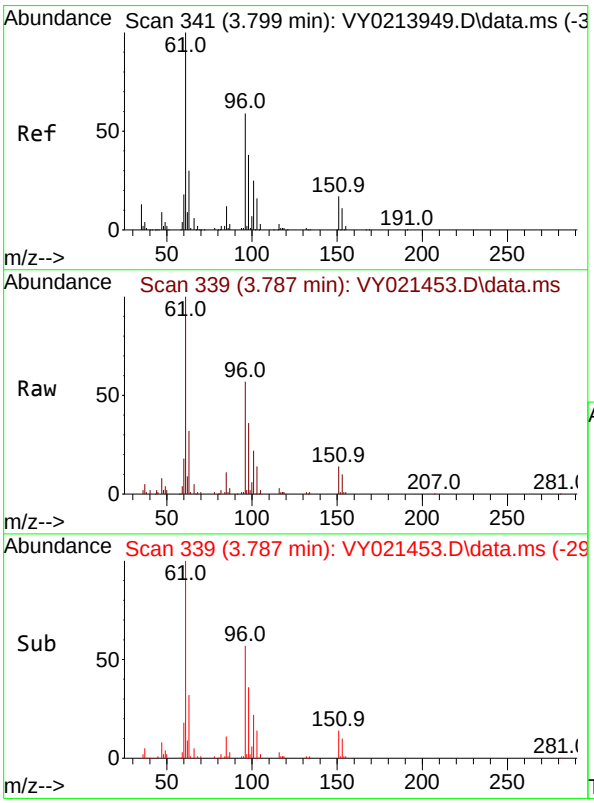
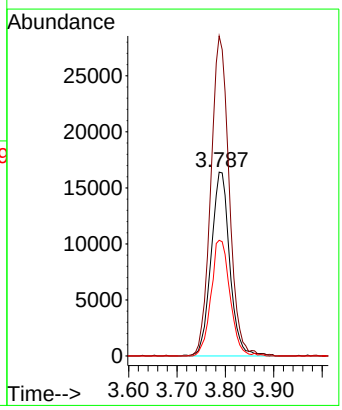
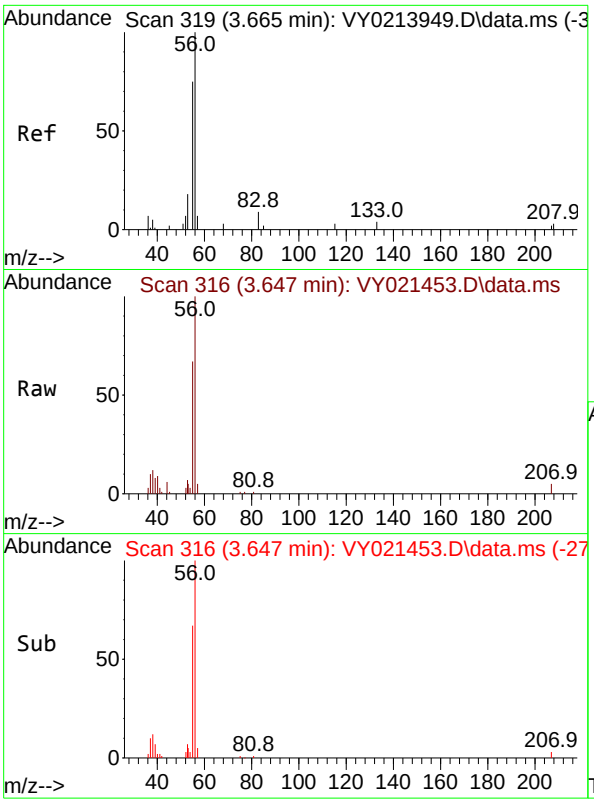


#12
1,1-Dichloroethene
Concen: 19.424 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 96 Resp: 43870

Ion	Ratio	Lower	Upper
96	100		
61	174.1	135.2	202.8
98	62.9	51.4	77.2

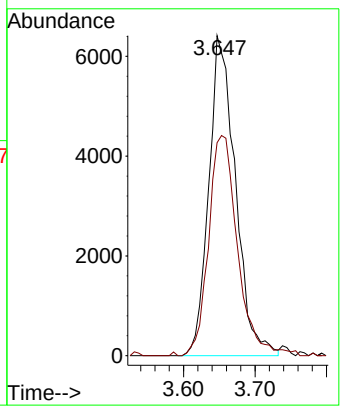




#13
Acrolein
Concen: 140.270 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.018 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 56 Resp: 1658

Ion	Ratio	Lower	Upper
56	100		
55	74.8	63.4	95.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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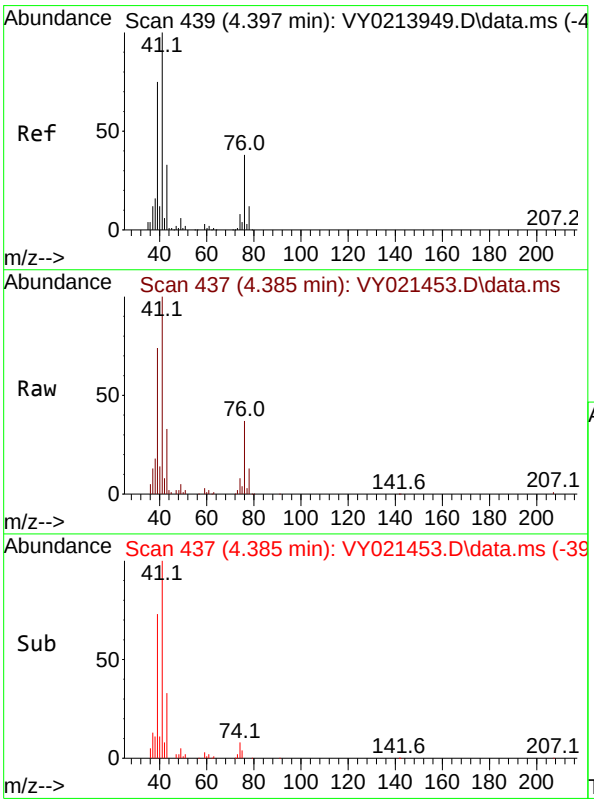
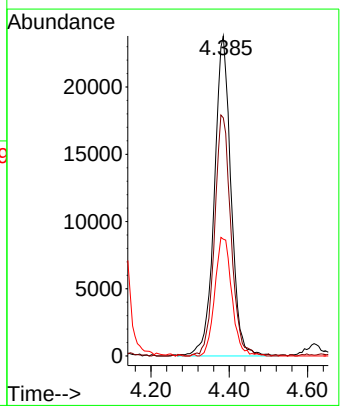
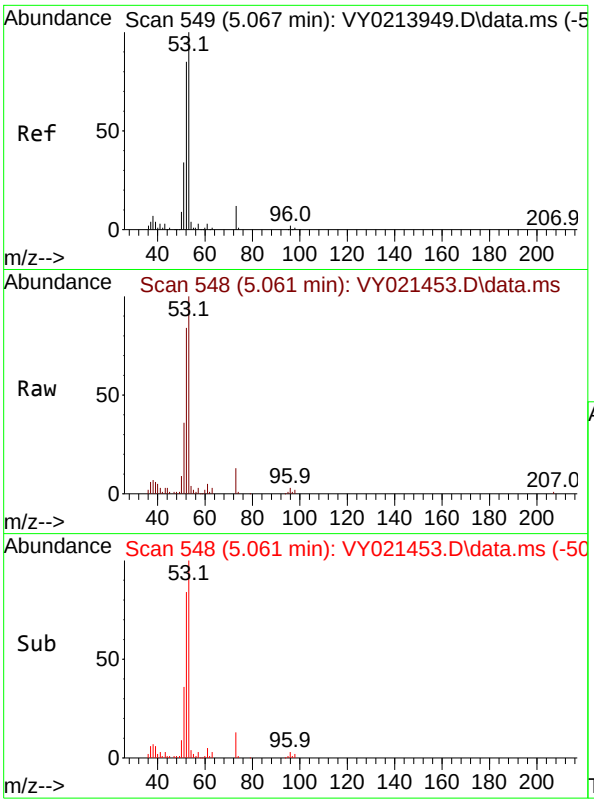


#14
Allyl chloride
Concen: 19.249 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 41 Resp: 70258

Ion	Ratio	Lower	Upper
41	100		
39	74.4	59.3	88.9
76	37.8	29.8	44.8





#15
Acrylonitrile
Concen: 99.456 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 53 Resp: 5090

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.3	99.5
51	40.1	30.3	45.5

Instrument :
MSVOA_Y
ClientSampleId :
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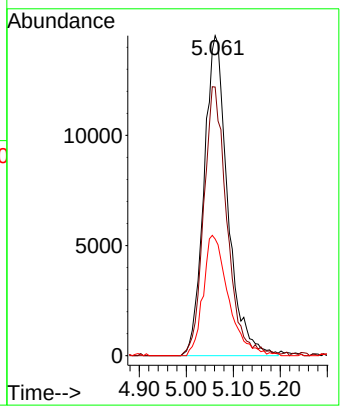
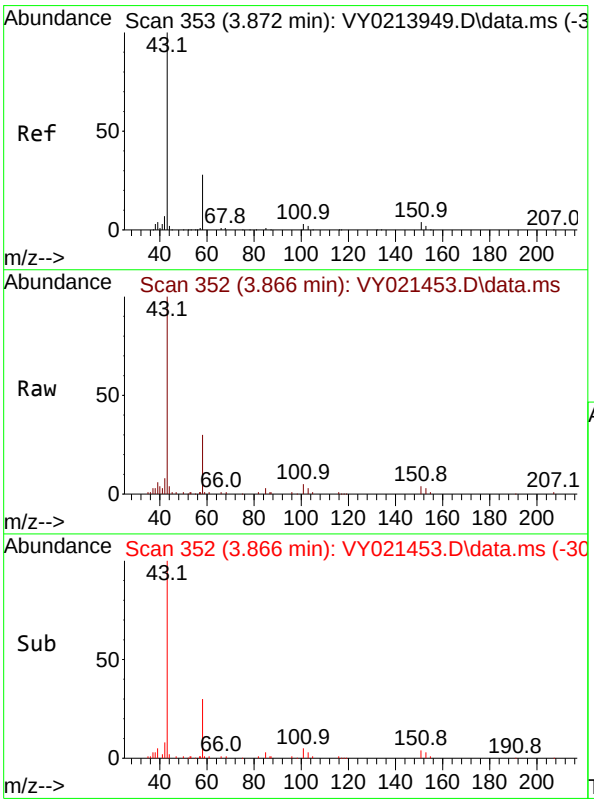
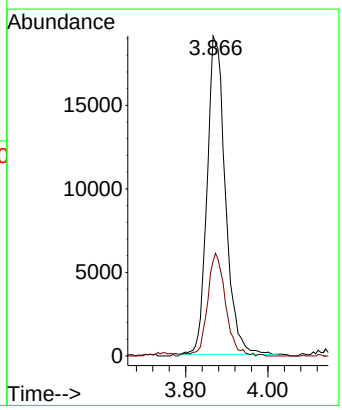


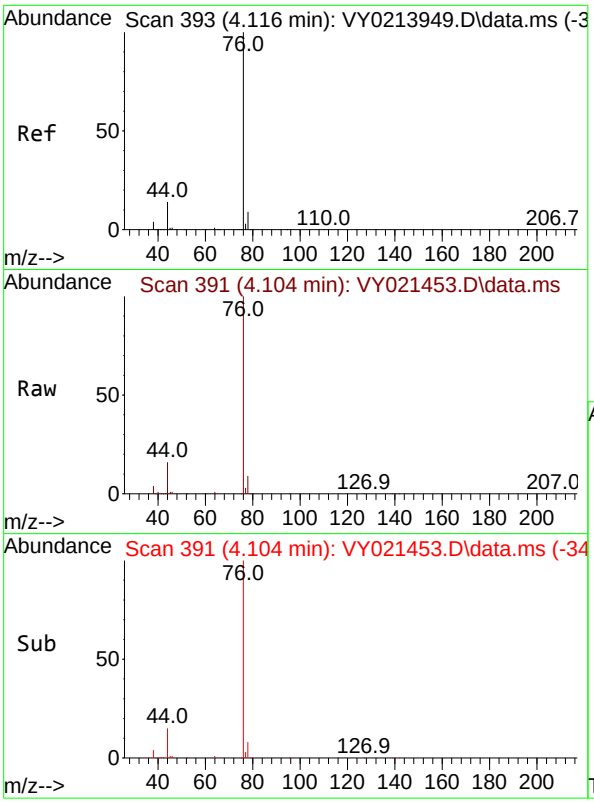


#16
Acetone
Concen: 115.604 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 43 Resp: 58595

Ion	Ratio	Lower	Upper
43	100		
58	29.8	22.1	33.1





#17
Carbon Disulfide
Concen: 18.890 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 76 Resp: 13370

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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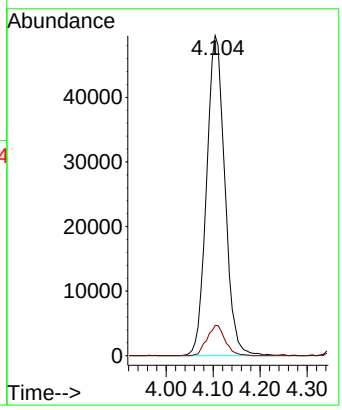
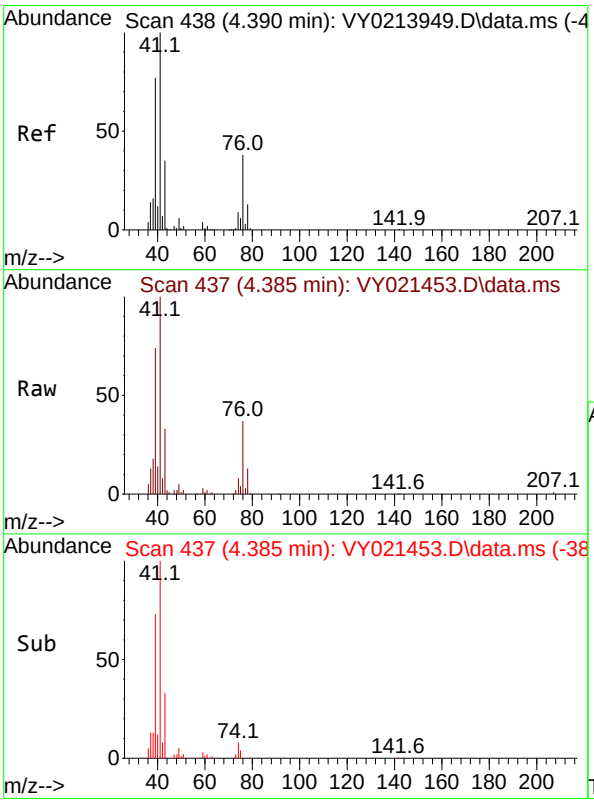
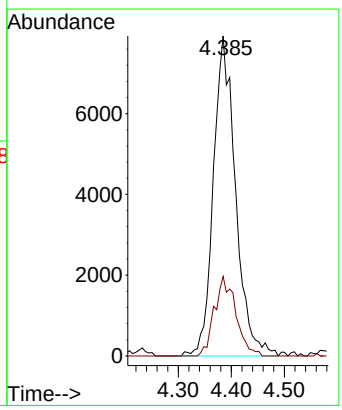


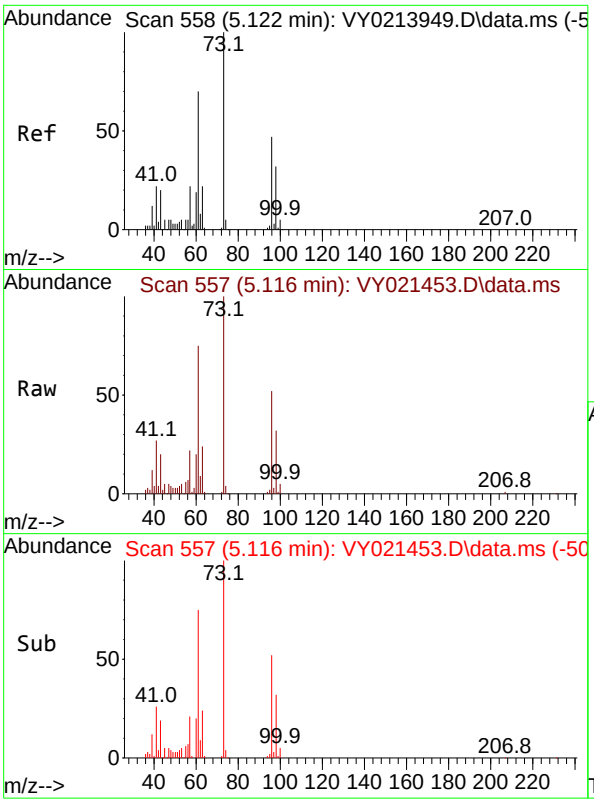


#18
Methyl Acetate
Concen: 20.473 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 43 Resp: 23025

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.4	29.0





#19
Methyl tert-butyl Ether
Concen: 19.390 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 73 Resp: 11099

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.9	26.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations
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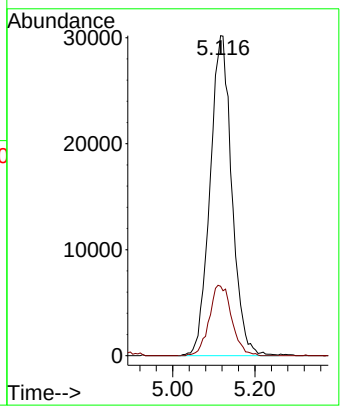
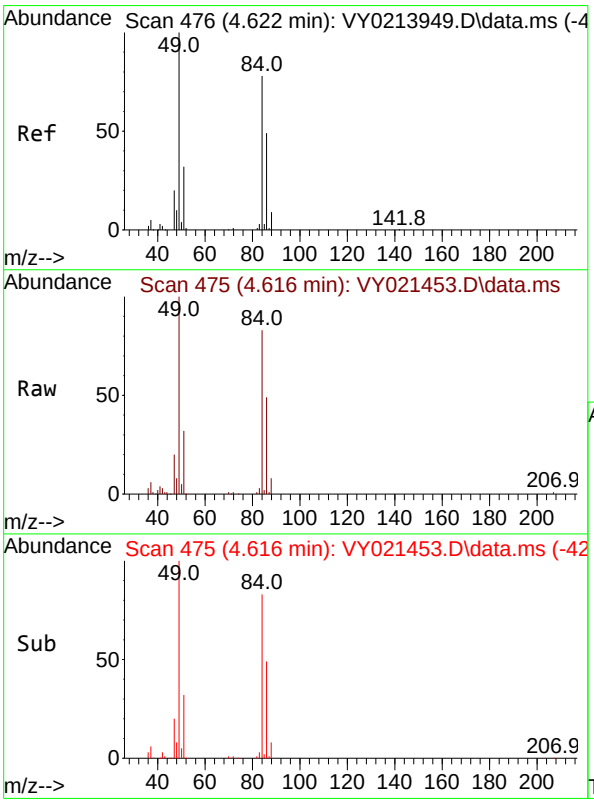
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

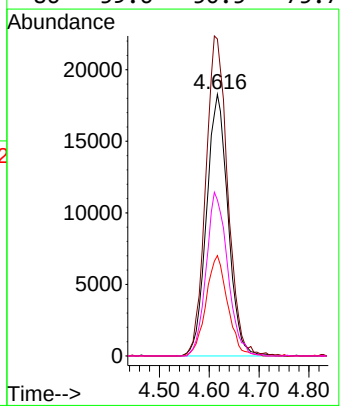


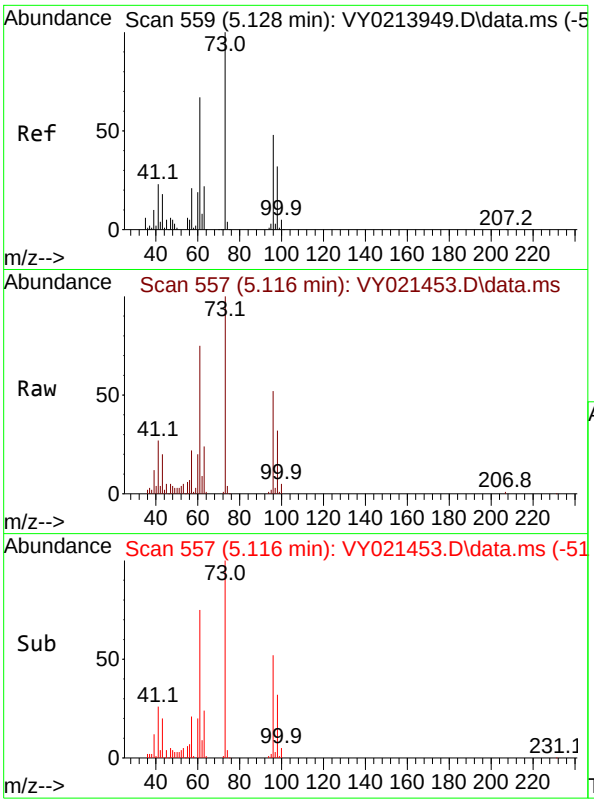


#20
Methylene Chloride
Concen: 20.582 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 84 Resp: 54760

Ion	Ratio	Lower	Upper
84	100		
49	121.2	102.0	153.0
51	38.3	33.0	49.6
86	59.6	50.5	75.7

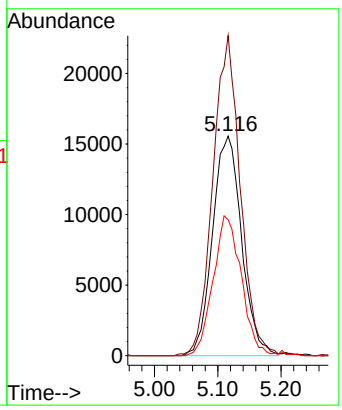




#21
trans-1,2-Dichloroethene
Concen: 19.641 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 96 Resp: 4967

Ion	Ratio	Lower	Upper
96	100		
61	145.0	111.5	167.3
98	61.9	53.8	80.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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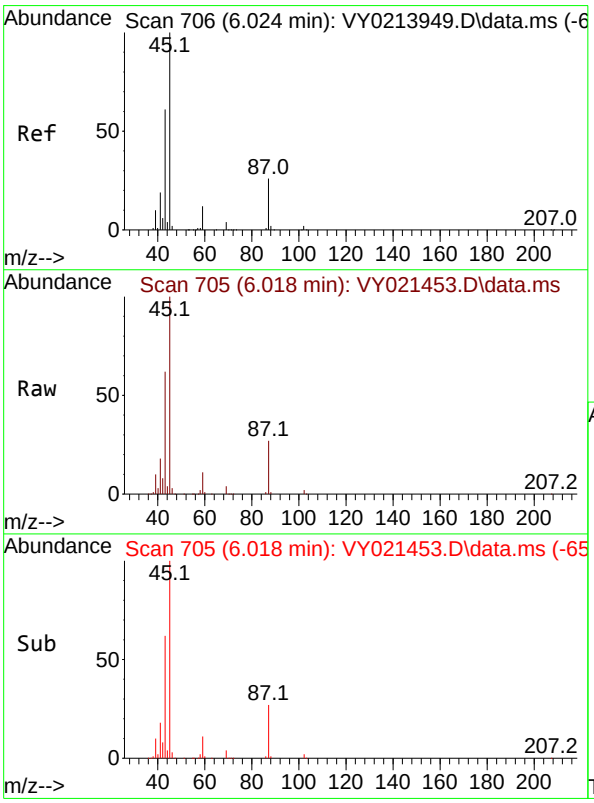
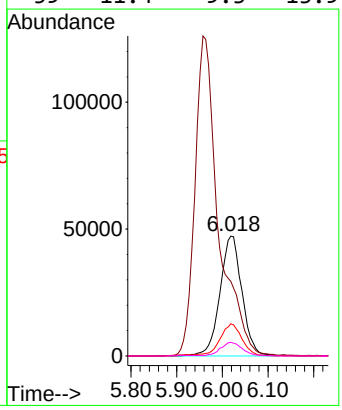
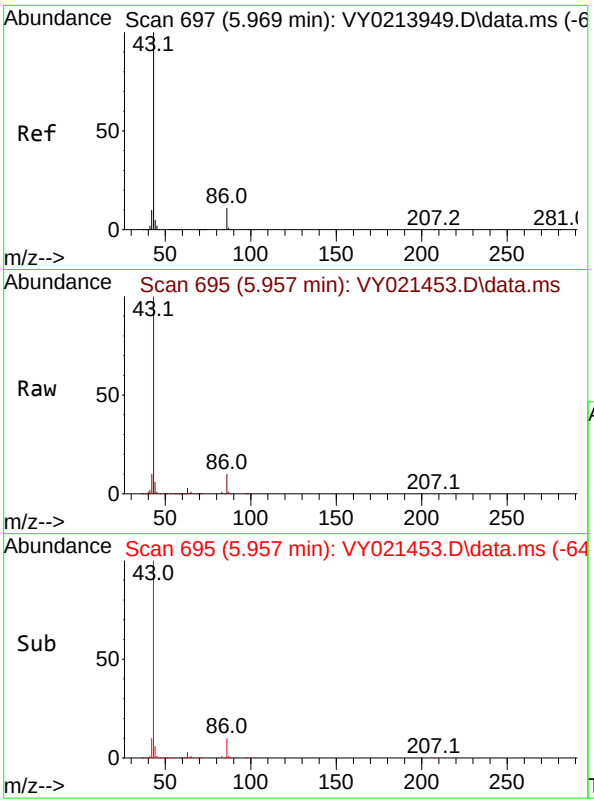


#22
Diisopropyl ether
Concen: 20.078 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 45 Resp: 157929

Ion	Ratio	Lower	Upper
45	100		
43	61.6	48.7	73.1
87	26.7	21.5	32.3
59	11.4	9.3	13.9





#23
Vinyl Acetate
Concen: 100.386 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.012 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 43 Resp: 45063

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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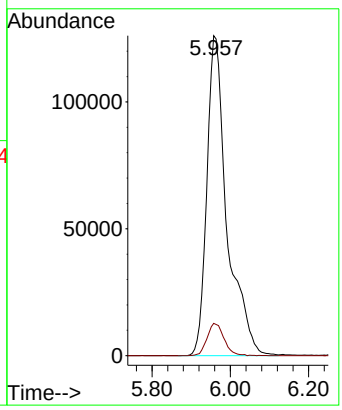
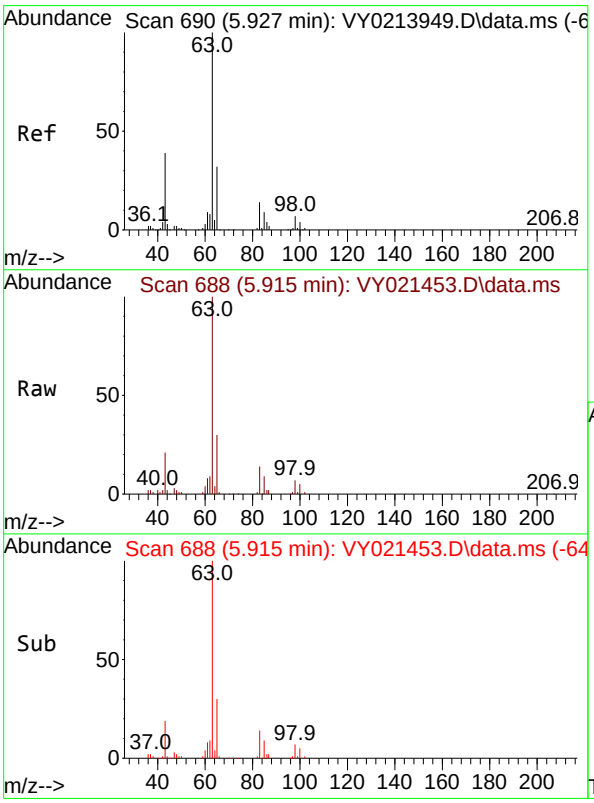
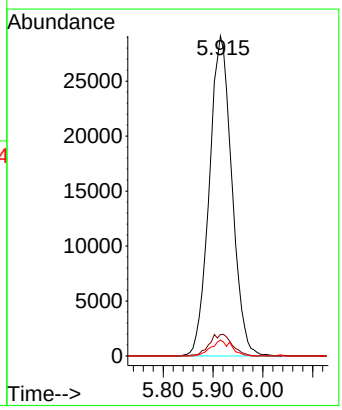


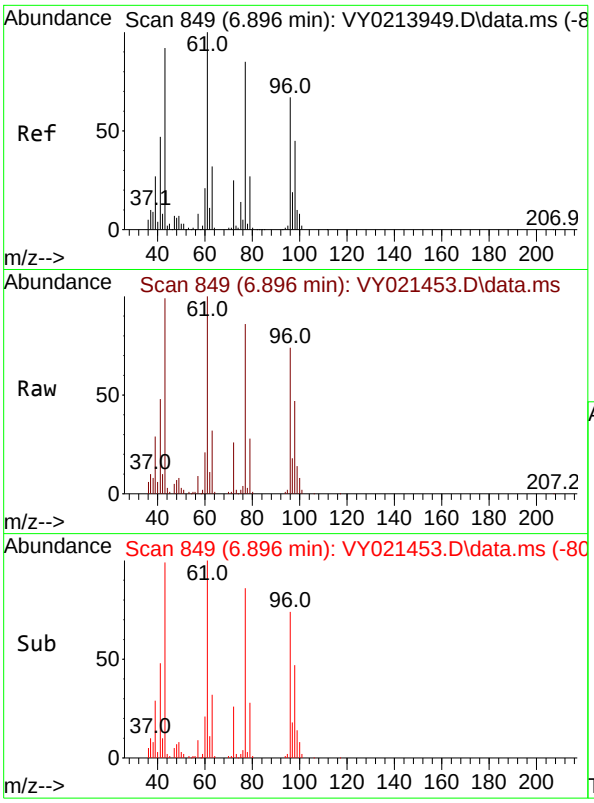


#24
1,1-Dichloroethane
Concen: 19.690 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.012 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 63 Resp: 91407

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.3	9.9
100	5.0	2.1	6.5





#25
2-Butanone
Concen: 107.199 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 43 Resp: 7516

Ion	Ratio	Lower	Upper
43	100		
72	26.0	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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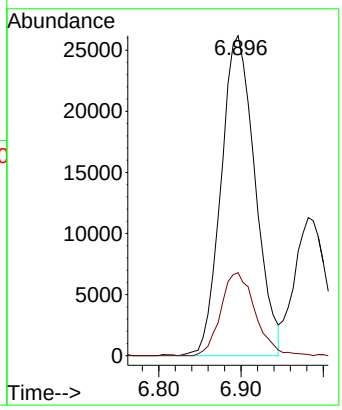
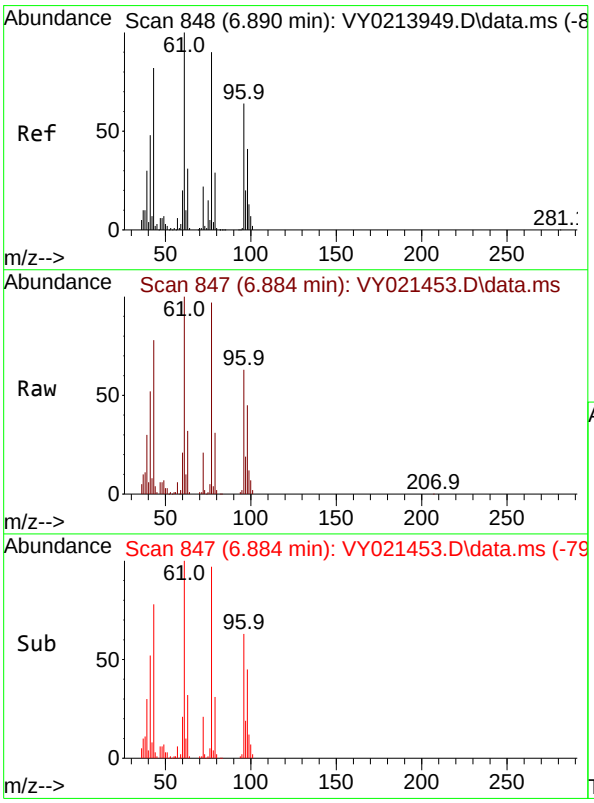
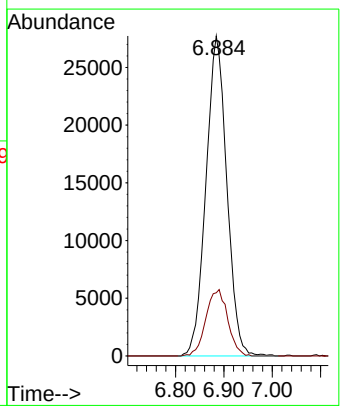


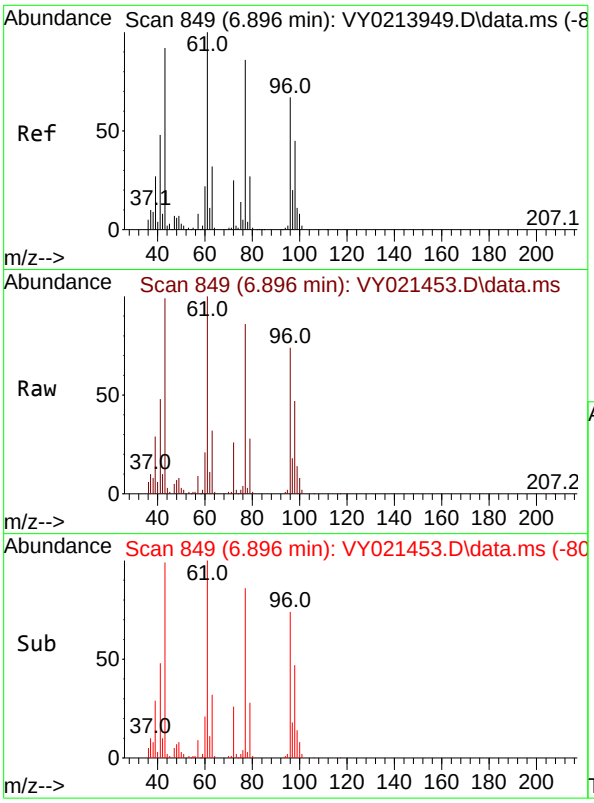


#26
2,2-Dichloropropane
Concen: 19.429 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 77 Resp: 82994

Ion	Ratio	Lower	Upper
77	100		
97	21.7	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 18.963 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 96 Resp: 5448

Ion	Ratio	Lower	Upper
96	100		
61	152.5	0.0	300.8
98	66.5	0.0	130.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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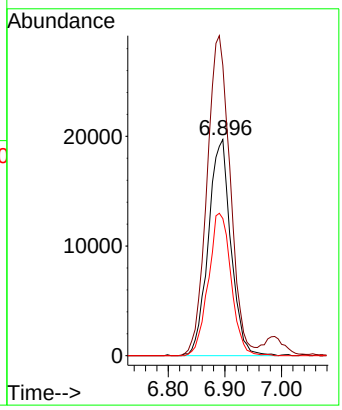
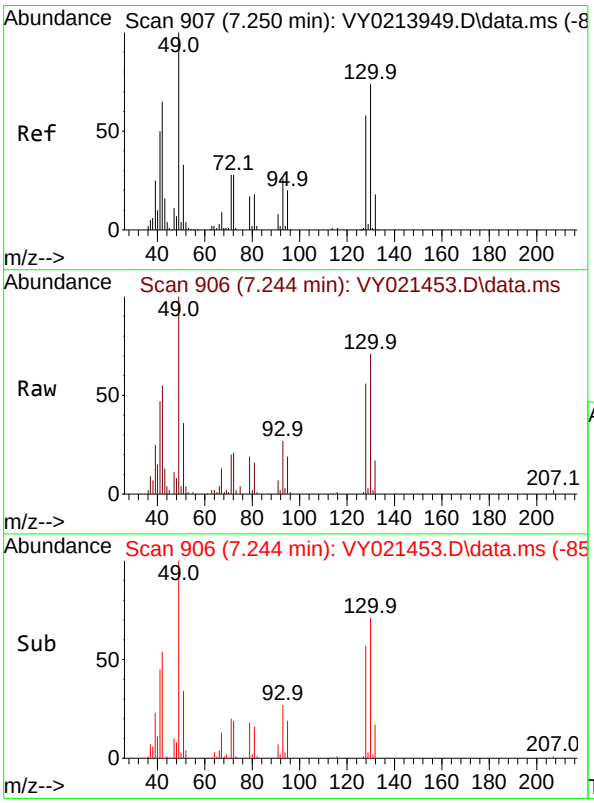
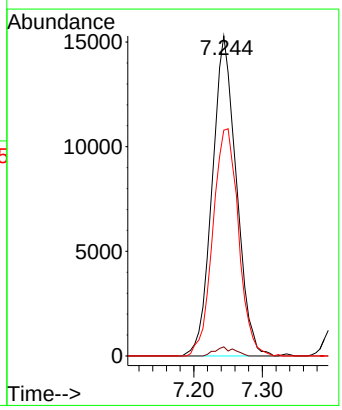


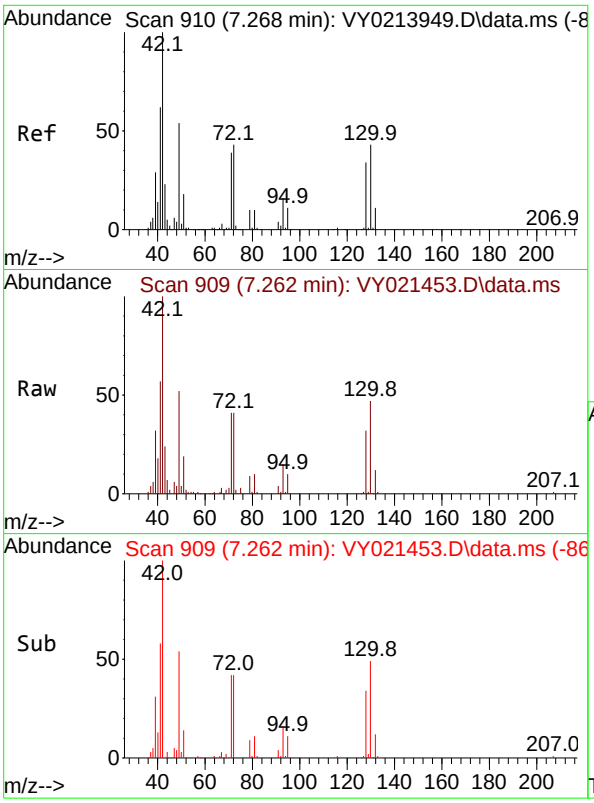


#28
Bromochloromethane
Concen: 19.238 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 49 Resp: 37442

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	75.4	59.6	89.4





#29
Tetrahydrofuran
Concen: 102.018 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 42 Resp: 4415

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.8	52.2
71	39.3	32.6	48.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations
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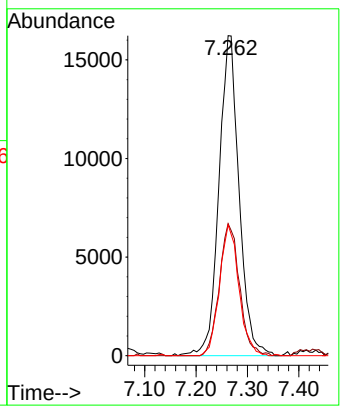
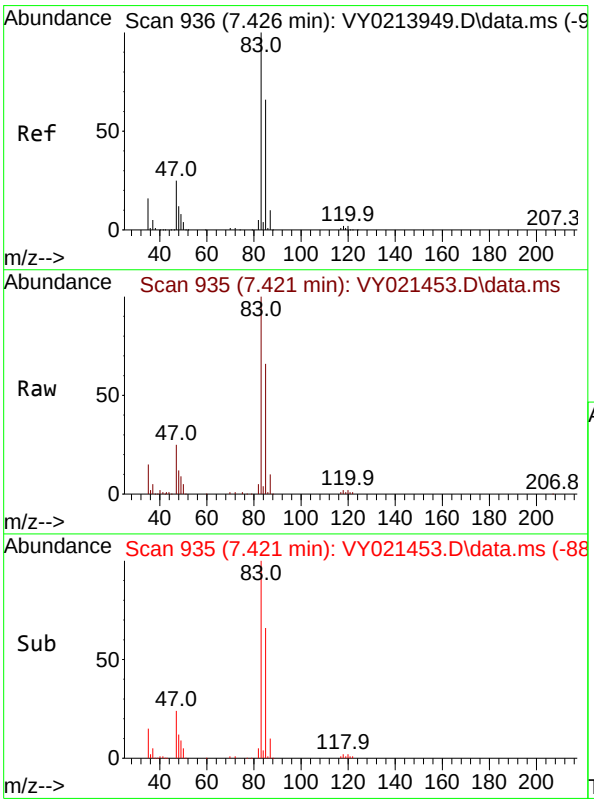
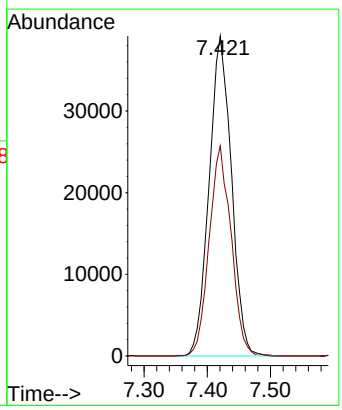


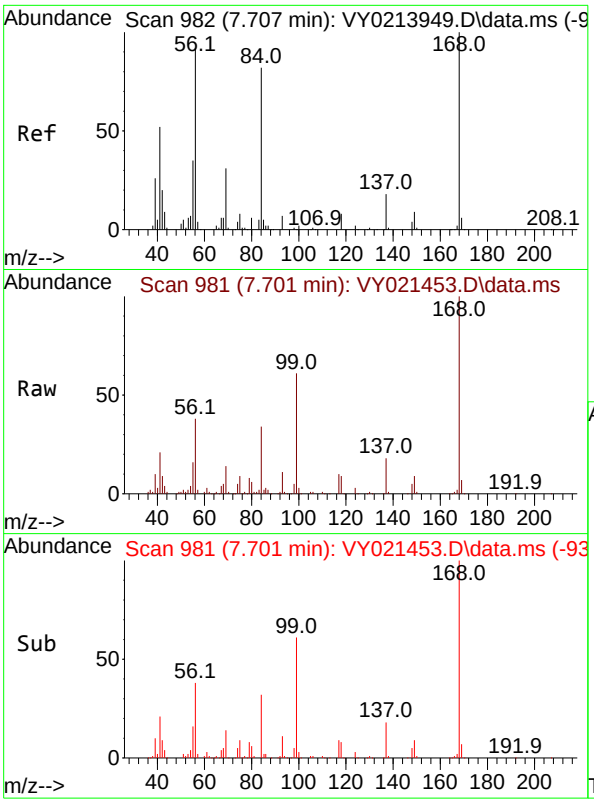


#30
Chloroform
Concen: 19.903 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 83 Resp: 95944

Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.1	79.7





#31
Cyclohexane
Concen: 18.870 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 56 Resp: 8212

Ion	Ratio	Lower	Upper
56	100		
69	35.6	27.0	40.4
84	86.6	71.1	106.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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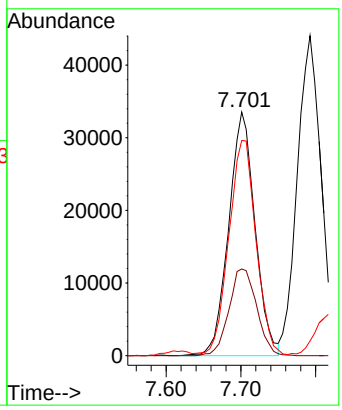
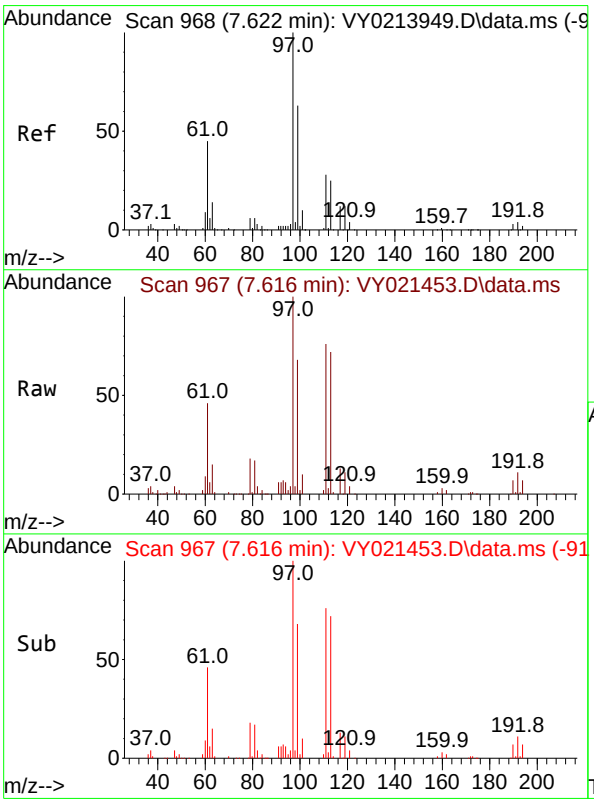
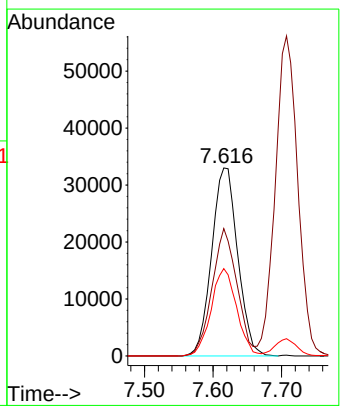


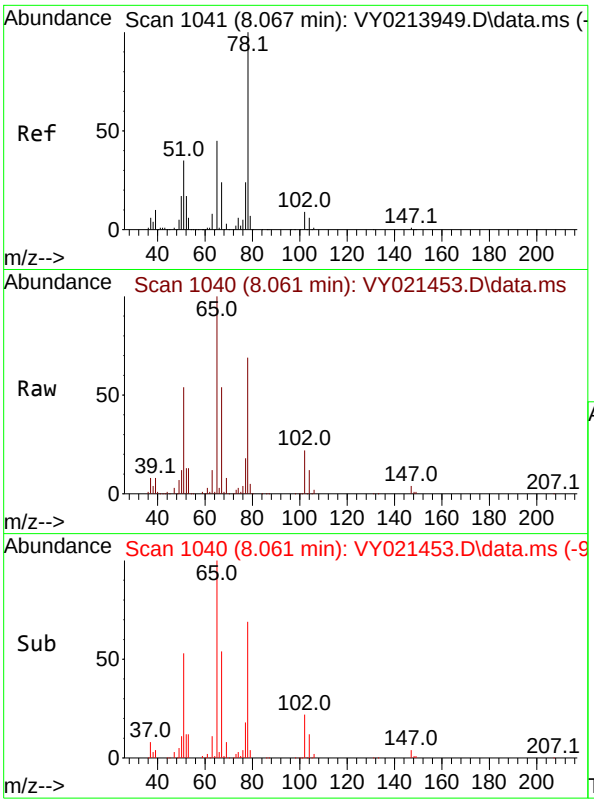


#32
1,1,1-Trichloroethane
Concen: 19.705 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 97 Resp: 86978

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	45.6	35.7	53.5

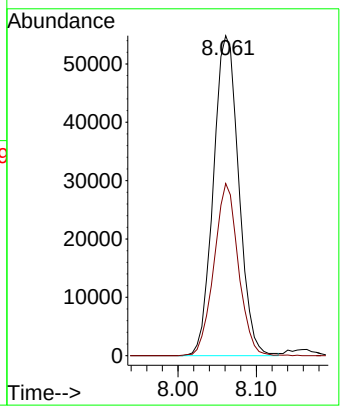




#33
1,2-Dichloroethane-d4
Concen: 53.076 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 65 Resp: 12334

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.8



Instrument :
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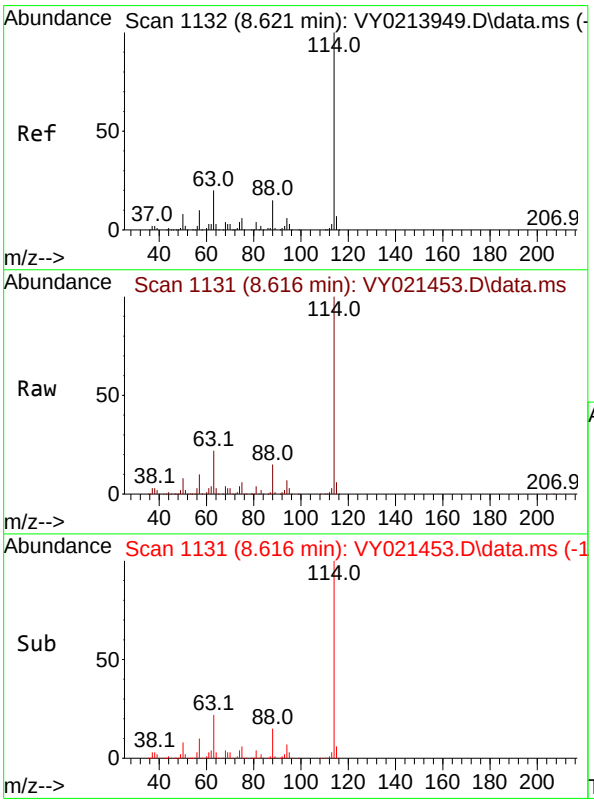
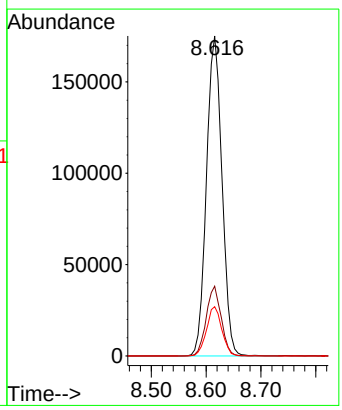
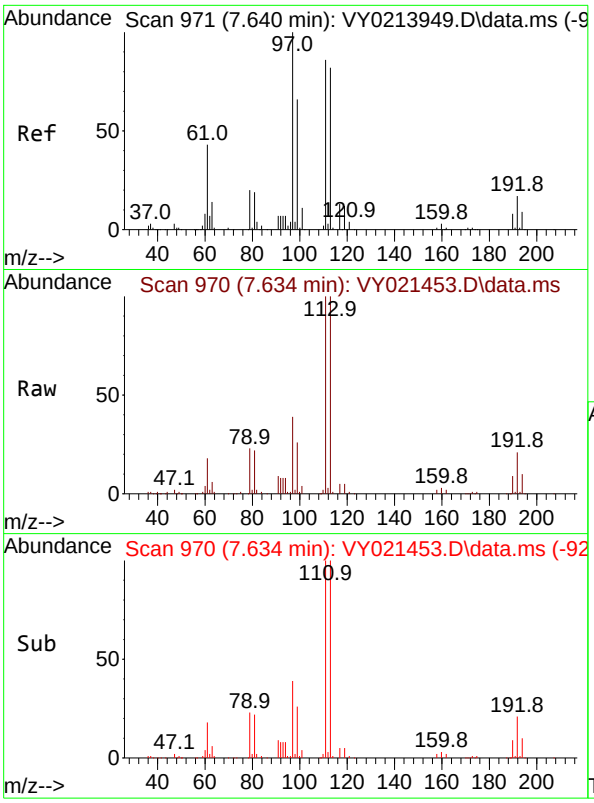


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:114 Resp: 343563

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	40.8
88	15.4	0.0	30.8

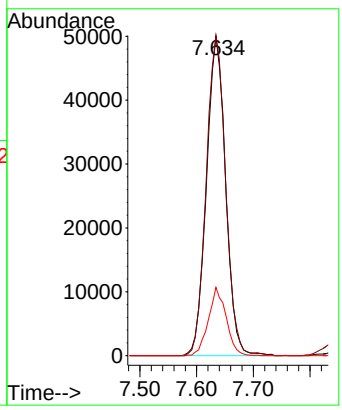




#35
Dibromofluoromethane
Concen: 52.021 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:113 Resp: 11747

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.0	123.0
192	19.9	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
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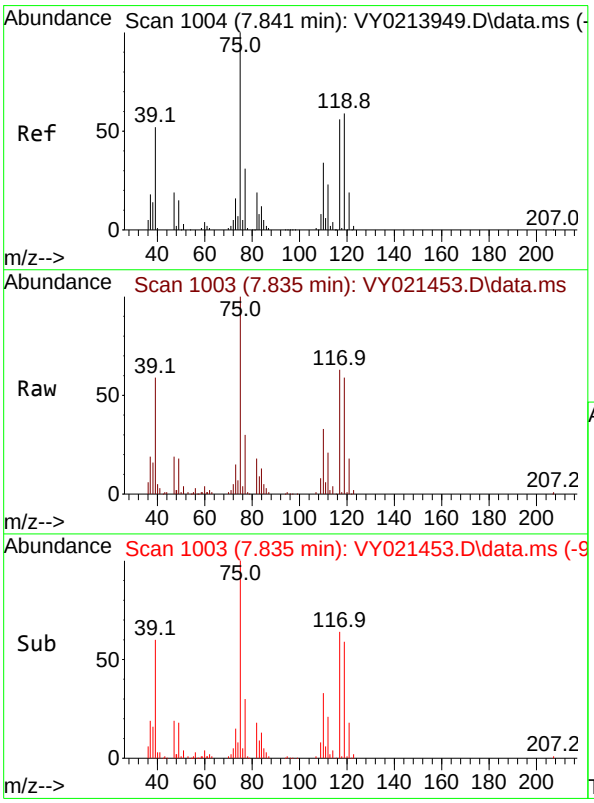
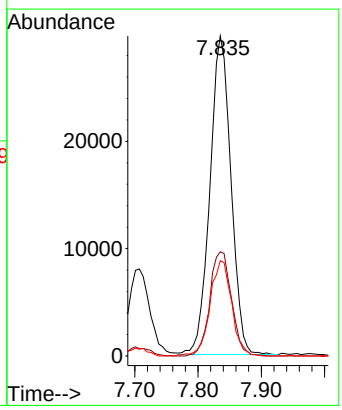
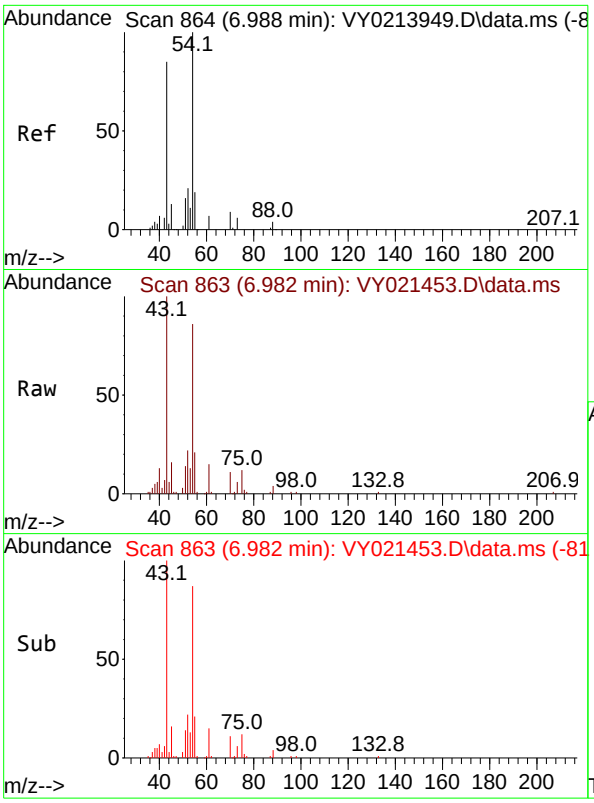


#36
1,1-Dichloropropene
Concen: 19.417 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 75 Resp: 68637

Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.3	51.7
77	30.7	25.4	38.2





#37
Ethyl Acetate
Concen: 20.220 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 43 Resp: 3159

Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.4	17.0
70	9.5	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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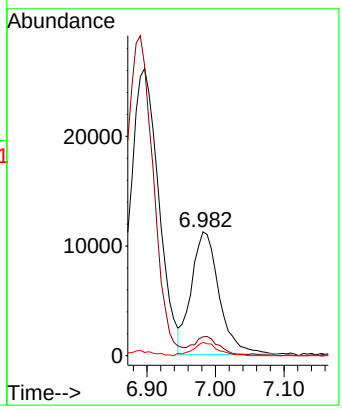
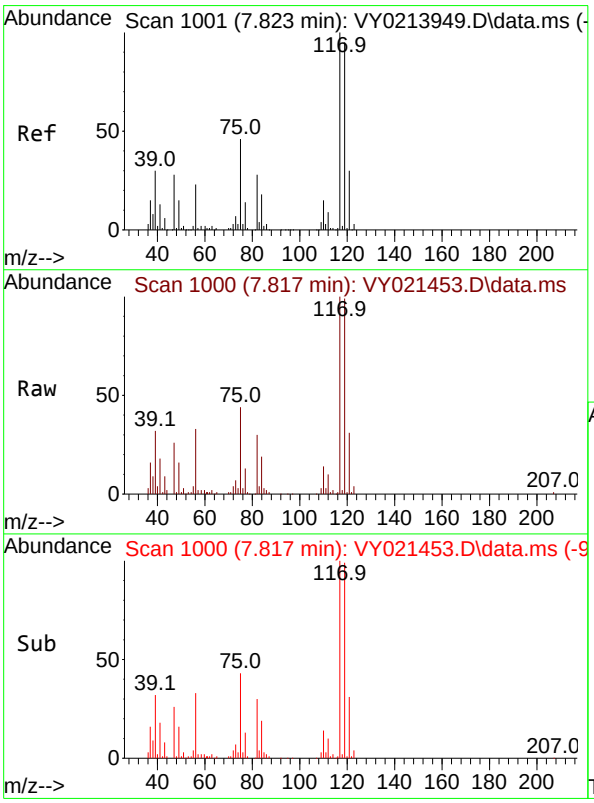
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

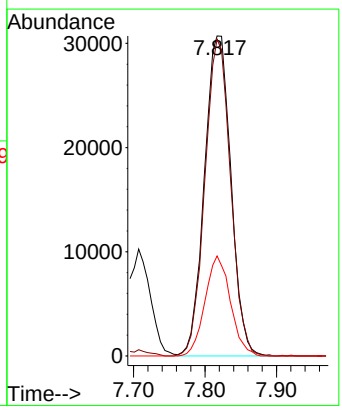


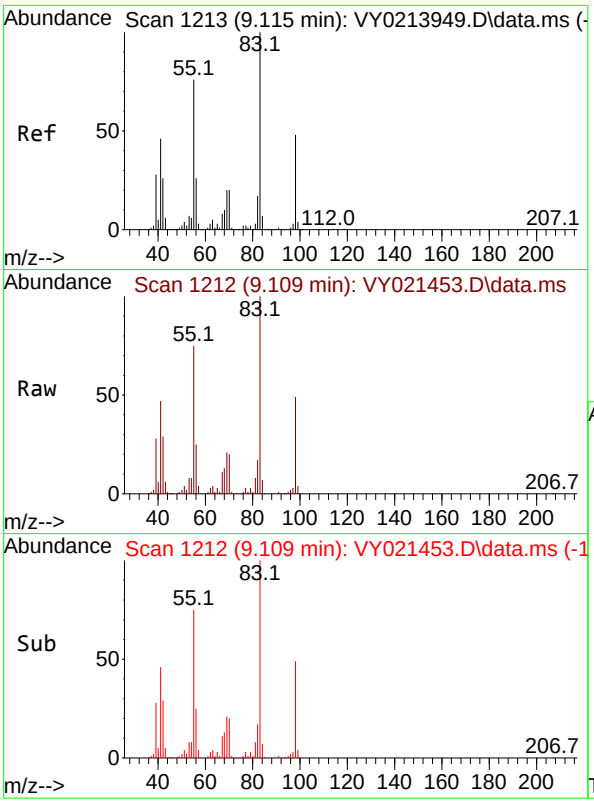


#38
Carbon Tetrachloride
Concen: 19.449 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:117 Resp: 79070

Ion	Ratio	Lower	Upper
117	100		
119	99.0	75.8	113.8
121	31.3	23.9	35.9





#39
Methylcyclohexane
Concen: 18.818 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 83 Resp: 8159

Ion	Ratio	Lower	Upper
83	100		
55	75.4	60.7	91.1
98	48.7	38.6	57.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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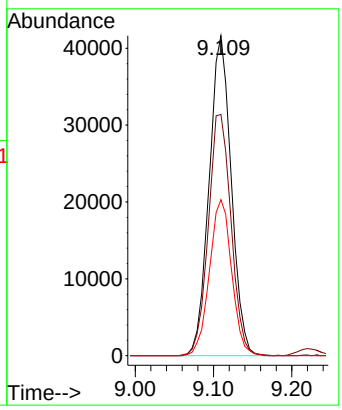
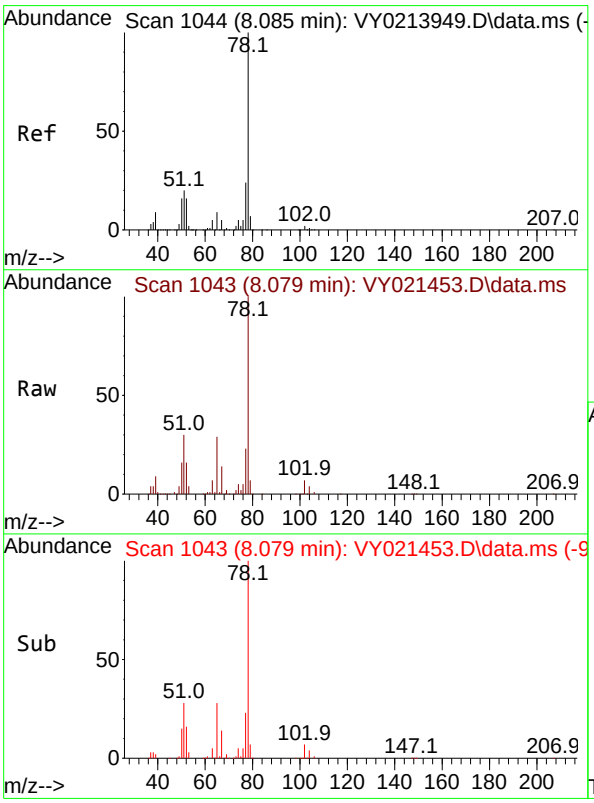
Supervised By :Semsettin Yesilyurt 03/11/2025

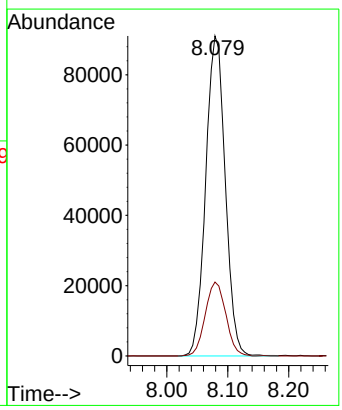


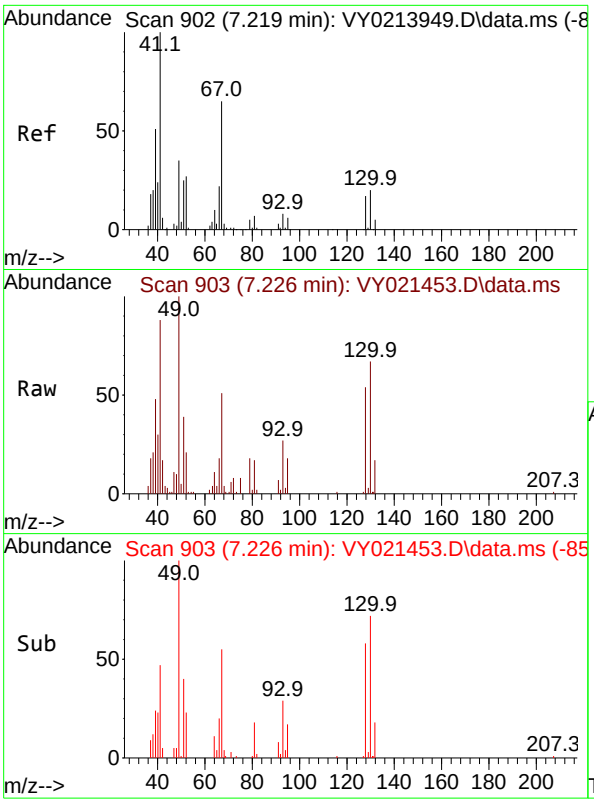


#40
Benzene
Concen: 19.475 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 78 Resp: 202793

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4





#41
Methacrylonitrile
Concen: 20.892 ug/l m
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 41 Resp: 1777

Ion	Ratio	Lower	Upper
41	100		
39	63.6	35.0	52.6#
67	0.0	61.2	91.8#
52	0.0	26.8	40.2#

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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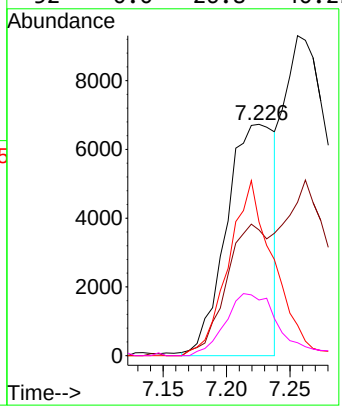
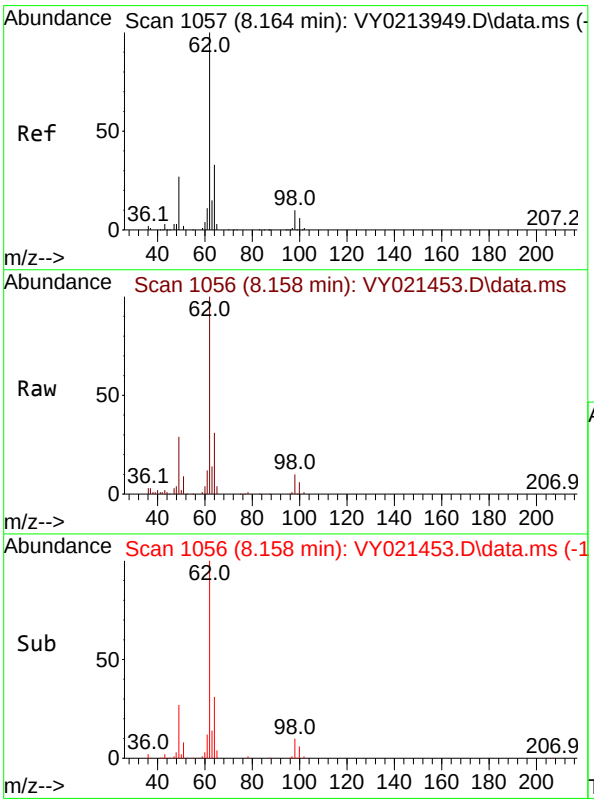
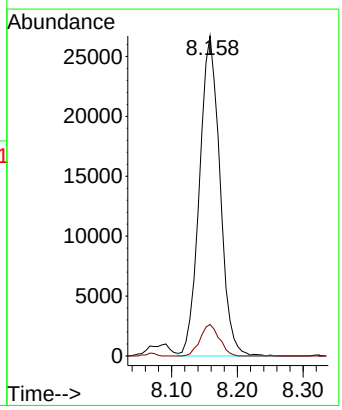


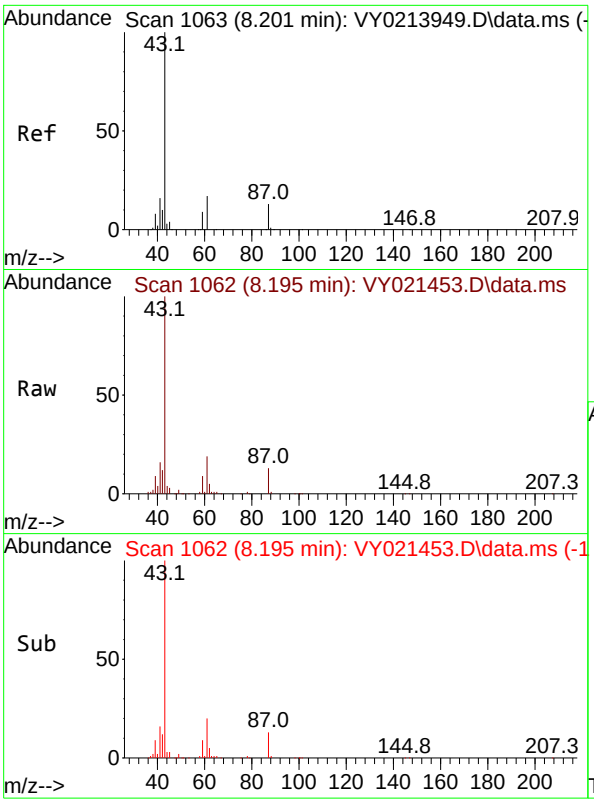


#42
1,2-Dichloroethane
Concen: 19.826 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 62 Resp: 57755

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2





#43
Isopropyl Acetate
Concen: 19.755 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 43 Resp: 5991

Ion	Ratio	Lower	Upper
43	100		
61	19.8	23.4	35.0#
87	12.7	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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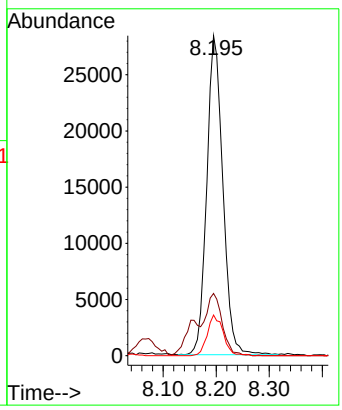
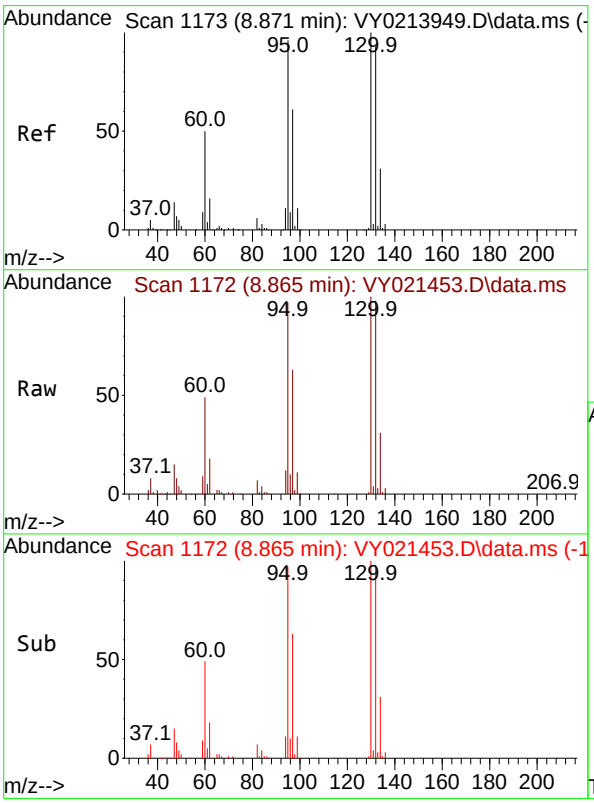
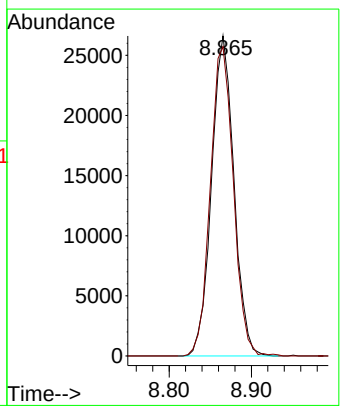


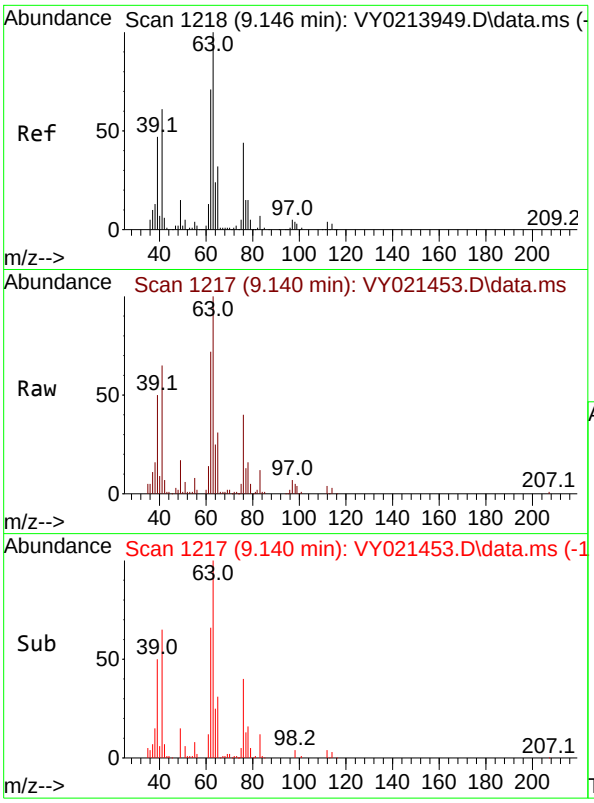


#44
Trichloroethene
Concen: 19.130 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:130 Resp: 50339

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	191.6





#45
1,2-Dichloropropane
Concen: 20.021 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 63 Resp: 4961

Ion	Ratio	Lower	Upper
63	100		
65	30.7	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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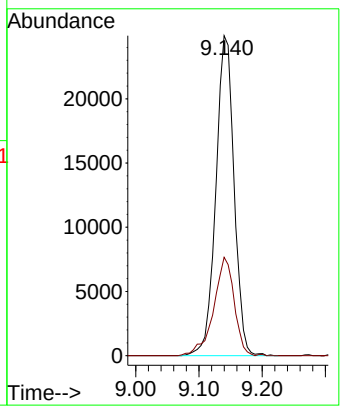
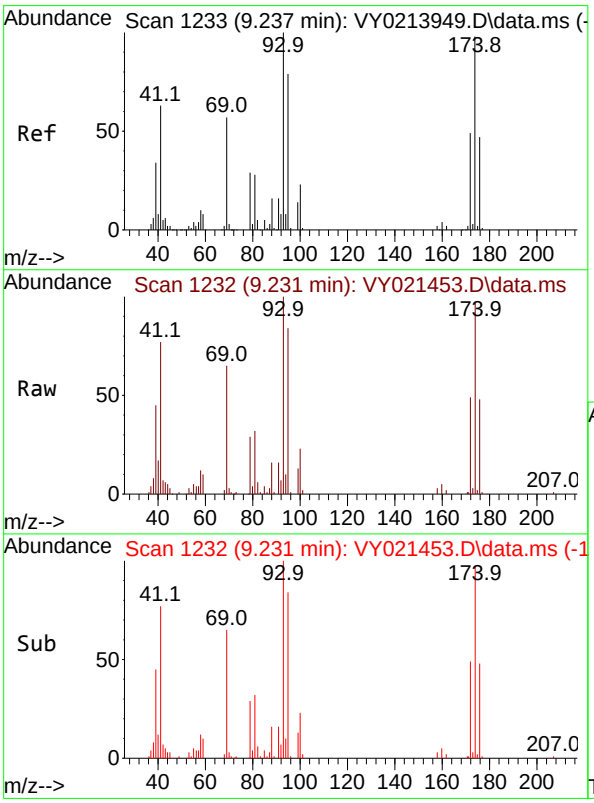
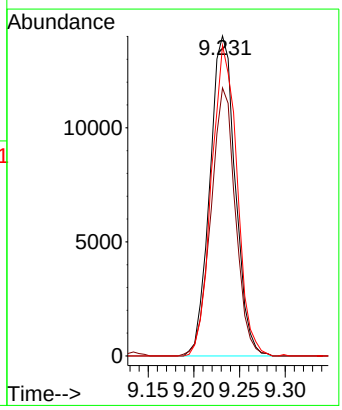


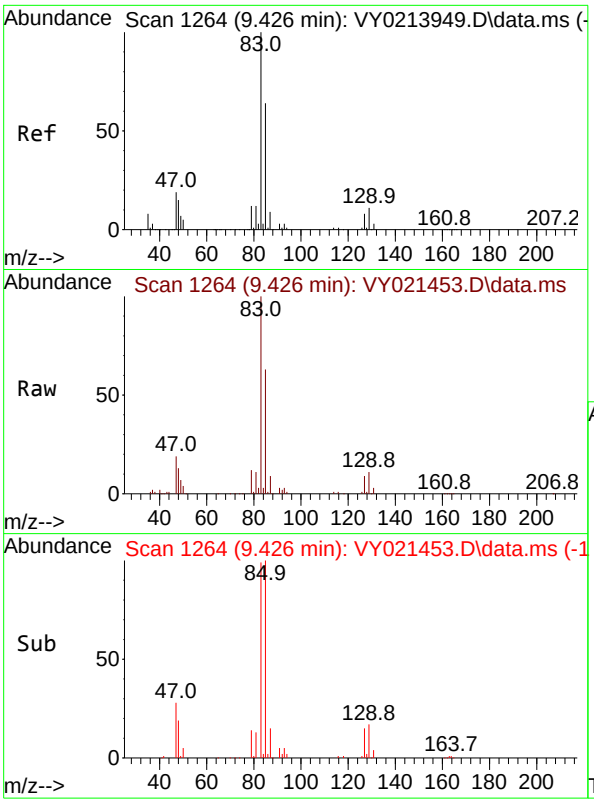


#46
Dibromomethane
Concen: 19.675 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 93 Resp: 27131

Ion	Ratio	Lower	Upper
93	100		
95	80.8	65.8	98.8
174	97.5	77.9	116.9

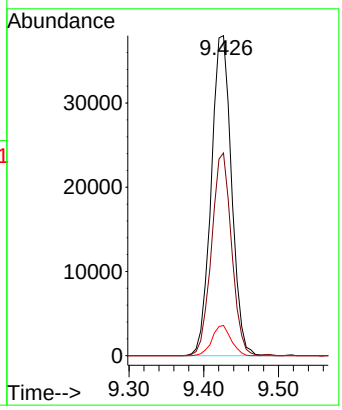




#47
Bromodichloromethane
Concen: 19.613 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 83 Resp: 7182

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.1	76.7
127	9.5	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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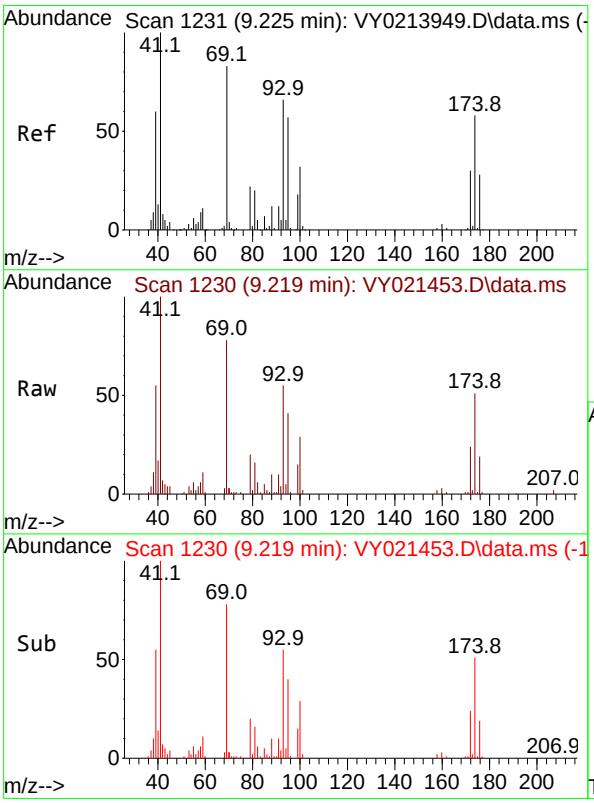
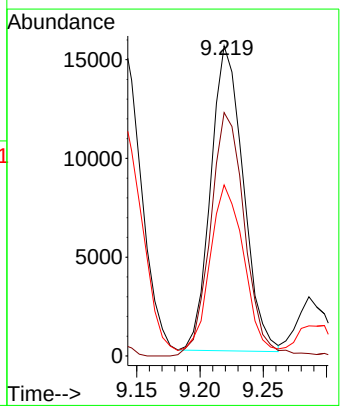
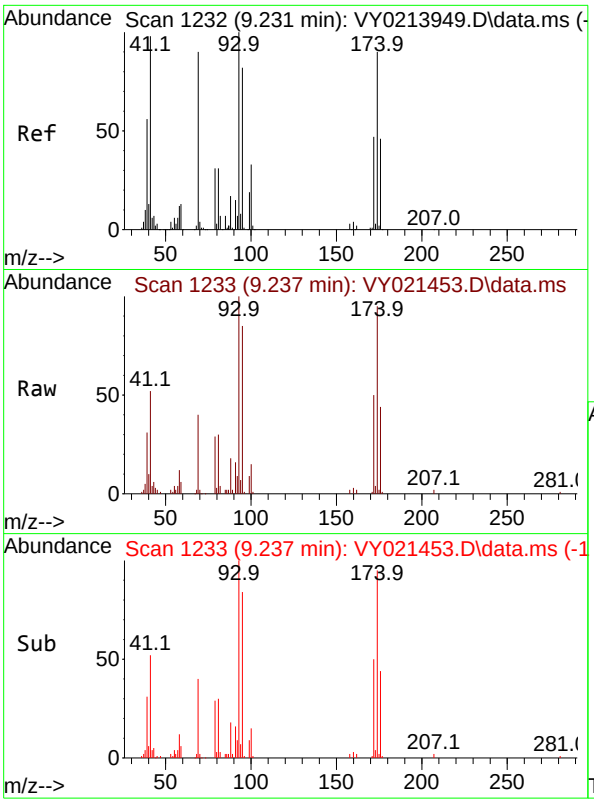


#48
Methyl methacrylate
Concen: 19.839 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 41 Resp: 27630

Ion	Ratio	Lower	Upper
41	100		
69	84.0	67.8	101.8
39	55.6	46.4	69.6





#49
1,4-Dioxane
Concen: 428.740 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 88 Resp: 580

Ion	Ratio	Lower	Upper
88	100		
43	34.8	25.0	37.4
58	77.2	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations
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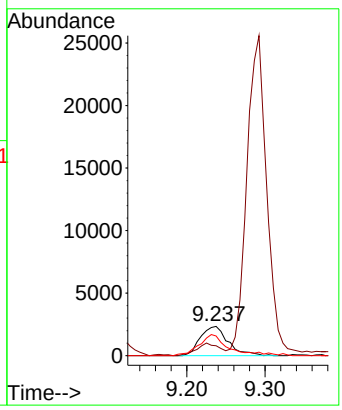
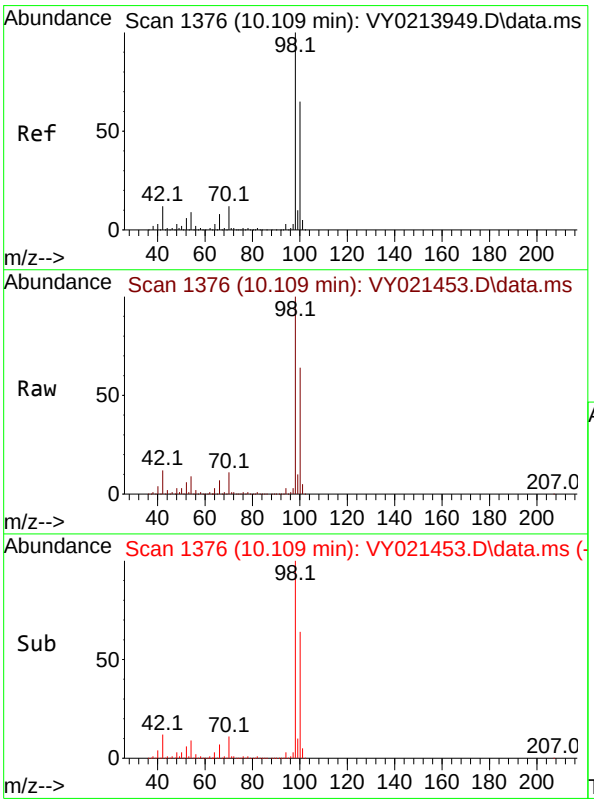
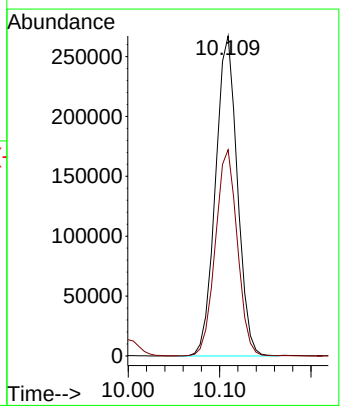


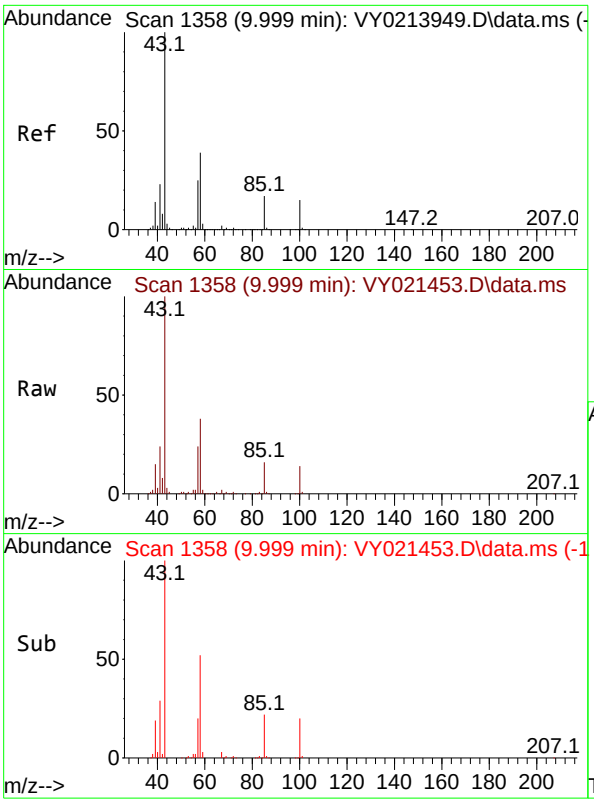


#50
Toluene-d8
Concen: 51.930 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 98 Resp: 444032

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 100.404 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 43 Resp: 15712

Ion	Ratio	Lower	Upper
43	100		
58	38.2	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
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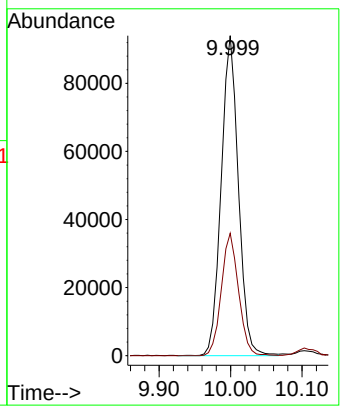
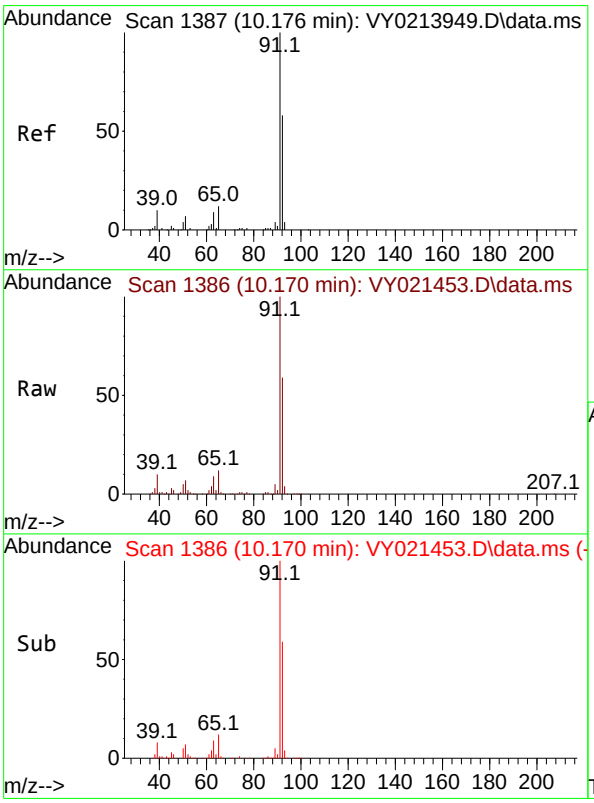
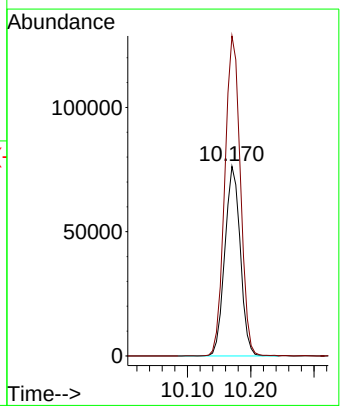


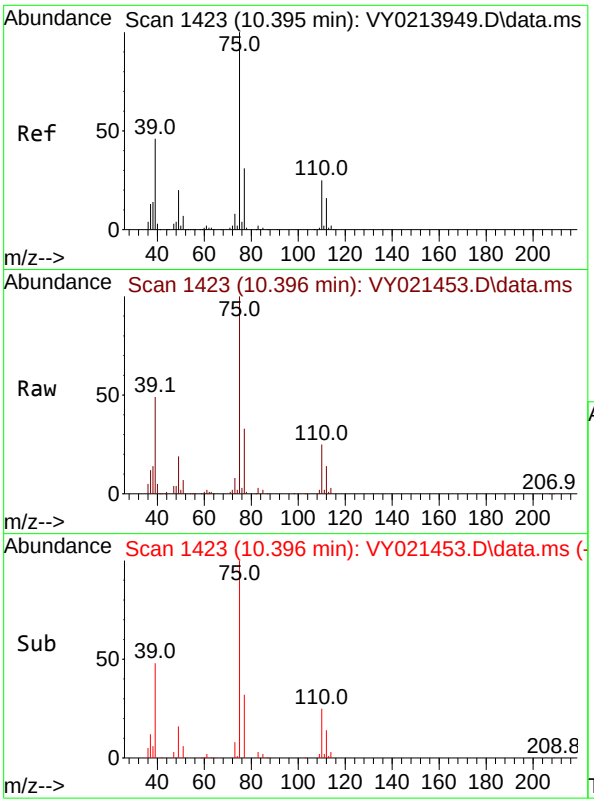


#52
Toluene
Concen: 19.637 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 92 Resp: 128919

Ion	Ratio	Lower	Upper
92	100		
91	170.4	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 19.476 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 75 Resp: 6283

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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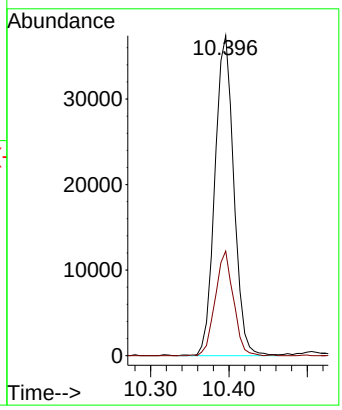
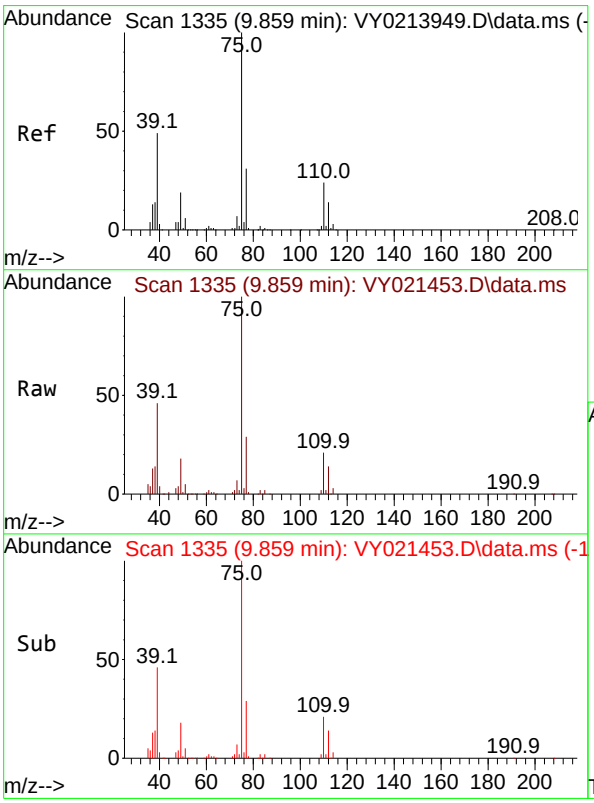
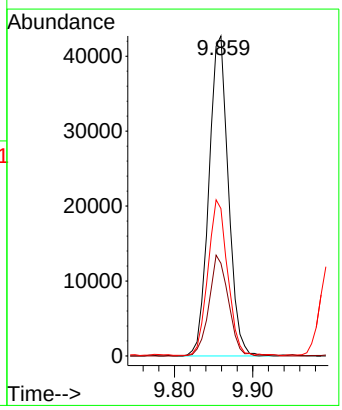


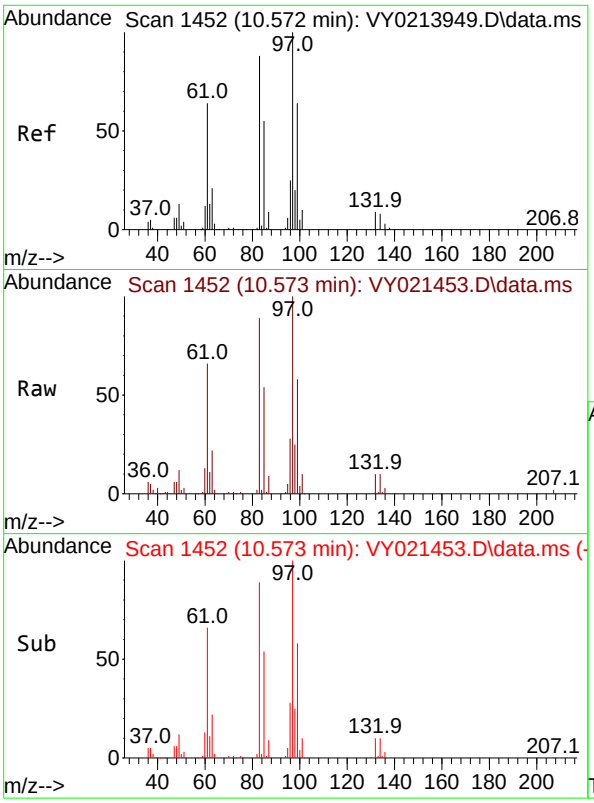


#54
cis-1,3-Dichloropropene
Concen: 19.223 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 75 Resp: 73636

Ion	Ratio	Lower	Upper
75	100		
77	28.9	24.6	37.0
39	45.8	39.4	59.2

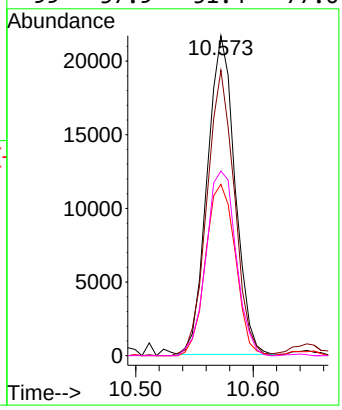




#55
1,1,2-Trichloroethane
Concen: 19.720 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 97 Resp: 3557

Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.0	105.0
85	53.8	44.3	66.5
99	57.9	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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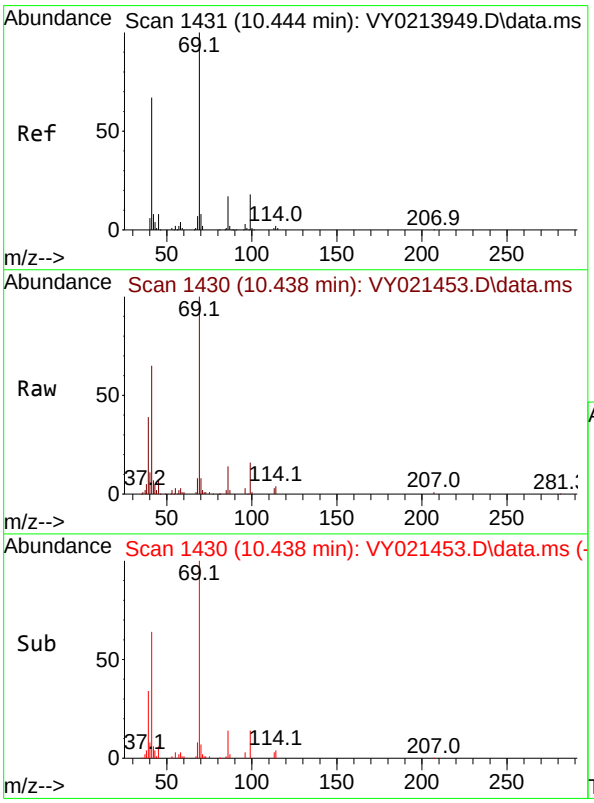
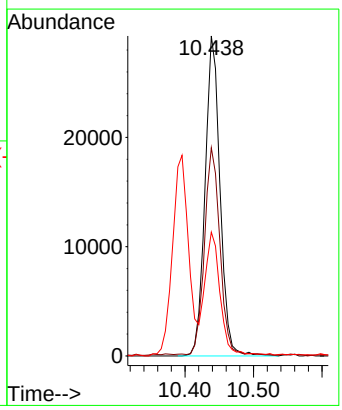
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

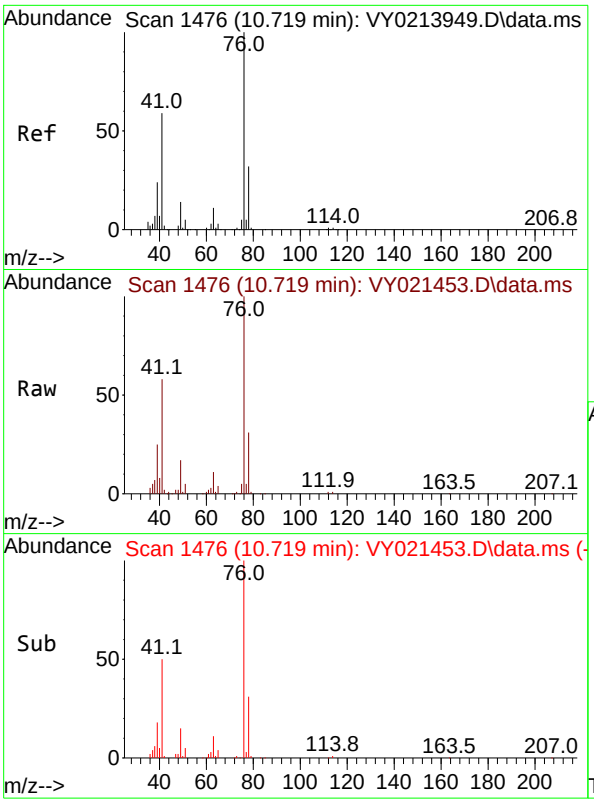


#56
Ethyl methacrylate
Concen: 19.396 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 69 Resp: 44620

Ion	Ratio	Lower	Upper
69	100		
41	66.9	53.3	79.9
39	38.7	31.0	46.6





#57
1,3-Dichloropropane
Concen: 19.491 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 76 Resp: 6093(

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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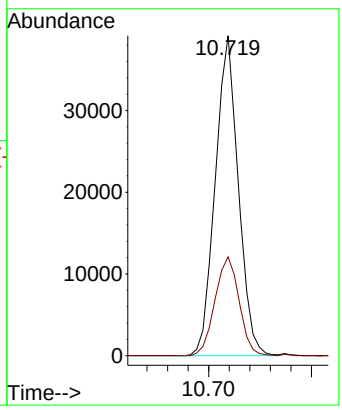
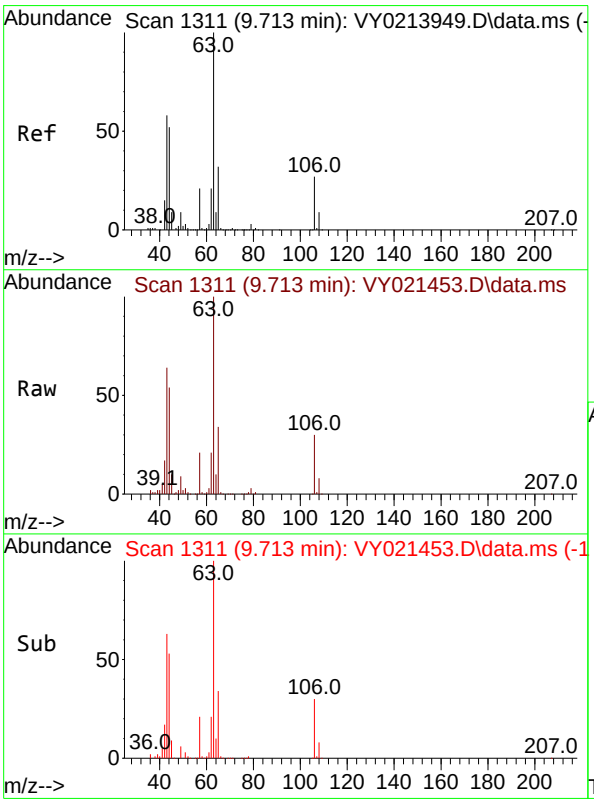
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

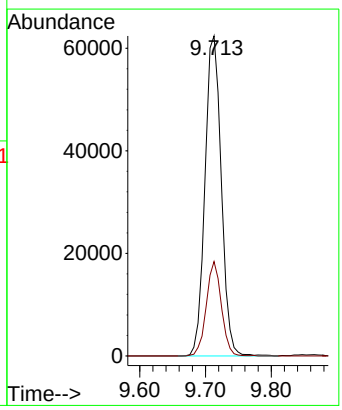


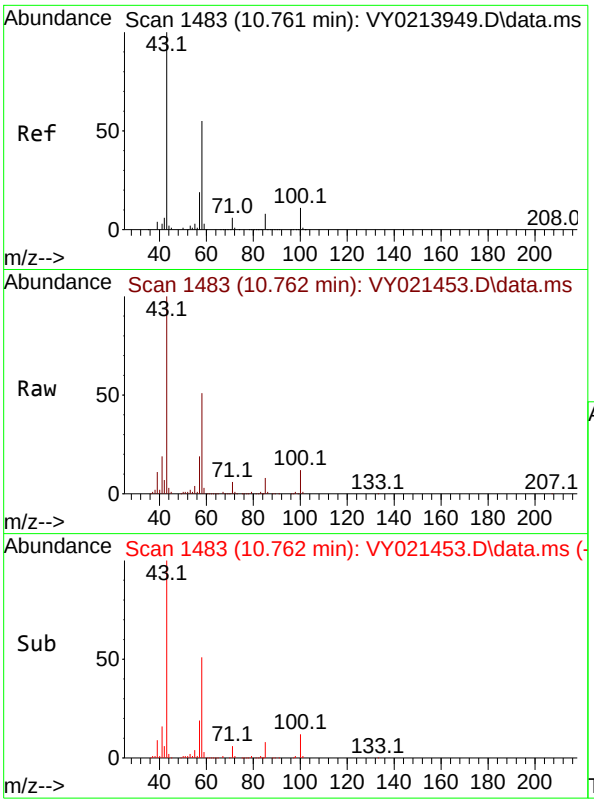


#58
2-Chloroethyl Vinyl ether
Concen: 101.290 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 63 Resp: 107568

Ion	Ratio	Lower	Upper
63	100		
106	27.3	22.1	33.1





#59
2-Hexanone
Concen: 105.872 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 43 Resp: 10955

Ion	Ratio	Lower	Upper
43	100		
58	52.7	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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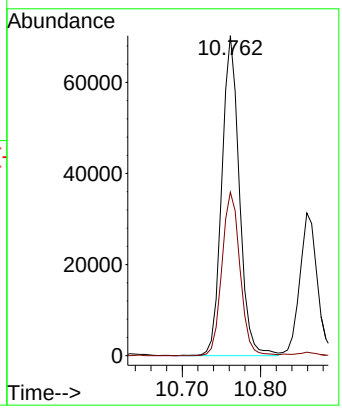
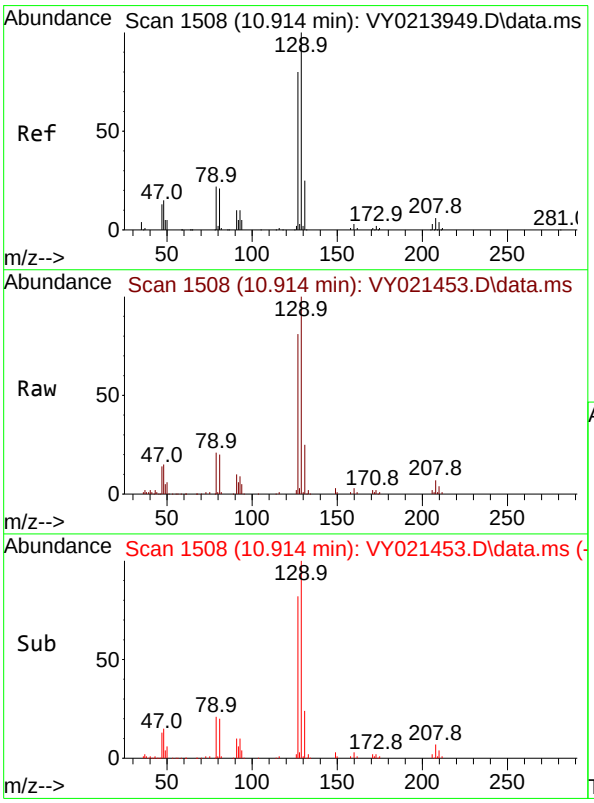
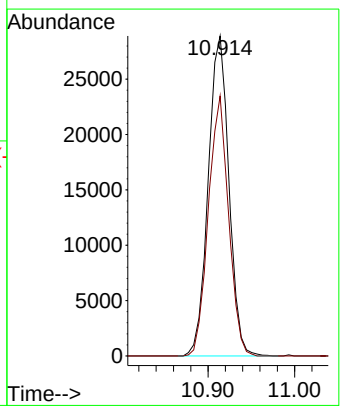


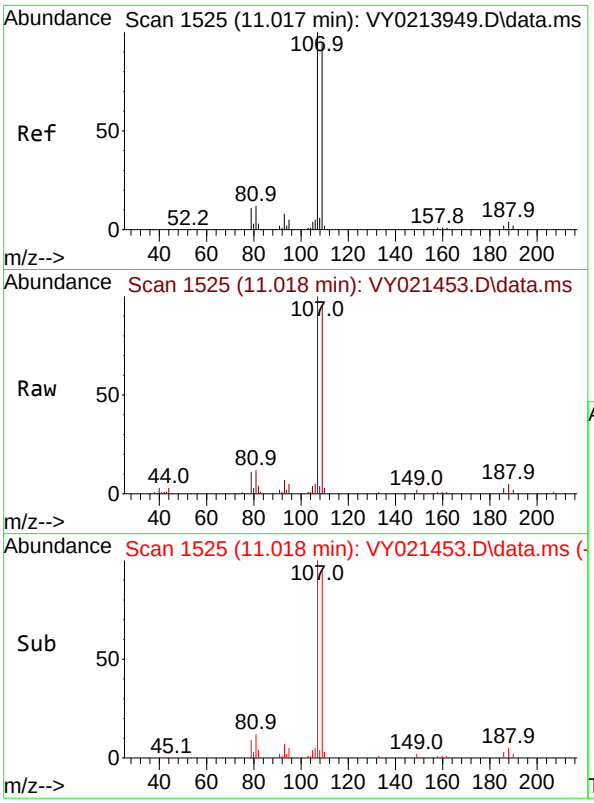


#60
Dibromochloromethane
Concen: 19.358 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:129 Resp: 47870

Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.1	117.3





#61
1,2-Dibromoethane
Concen: 19.641 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:107 Resp: 3343

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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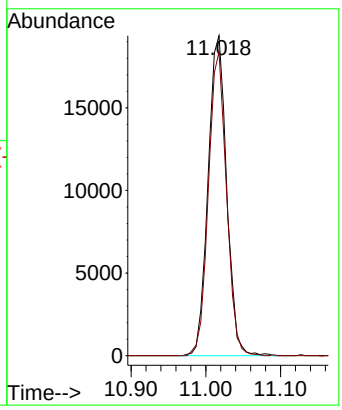
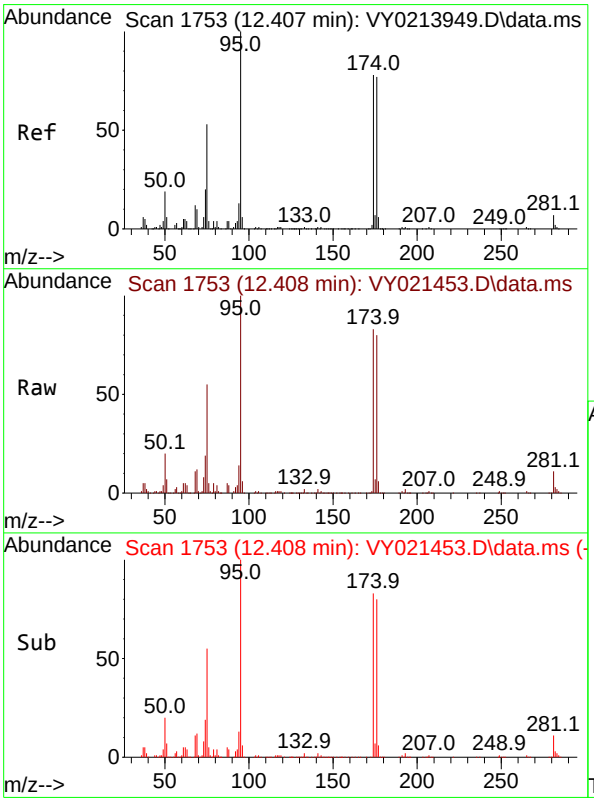
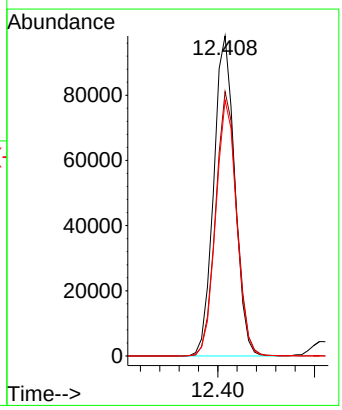


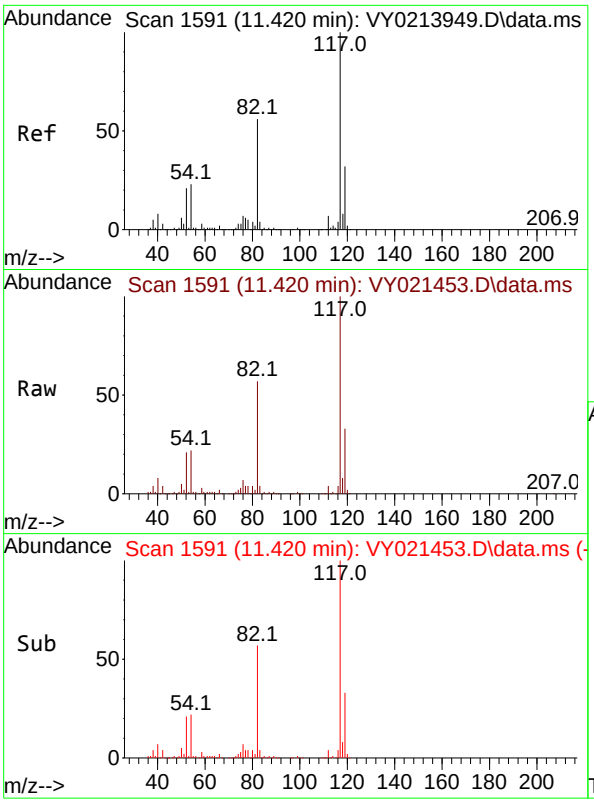


#62
4-Bromofluorobenzene
Concen: 50.913 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 95 Resp: 148084

Ion	Ratio	Lower	Upper
95	100		
174	82.8	0.0	165.0
176	79.4	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:117 Resp: 30156

Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.6	67.0
119	33.0	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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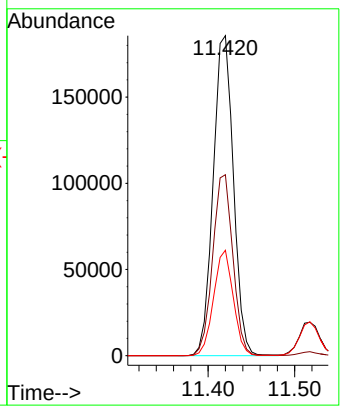
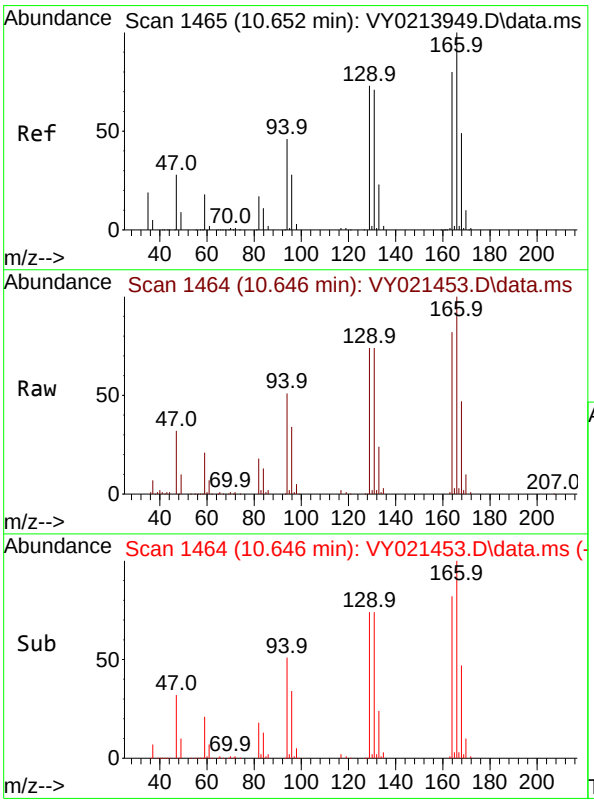
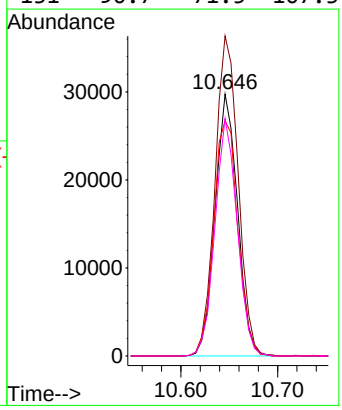


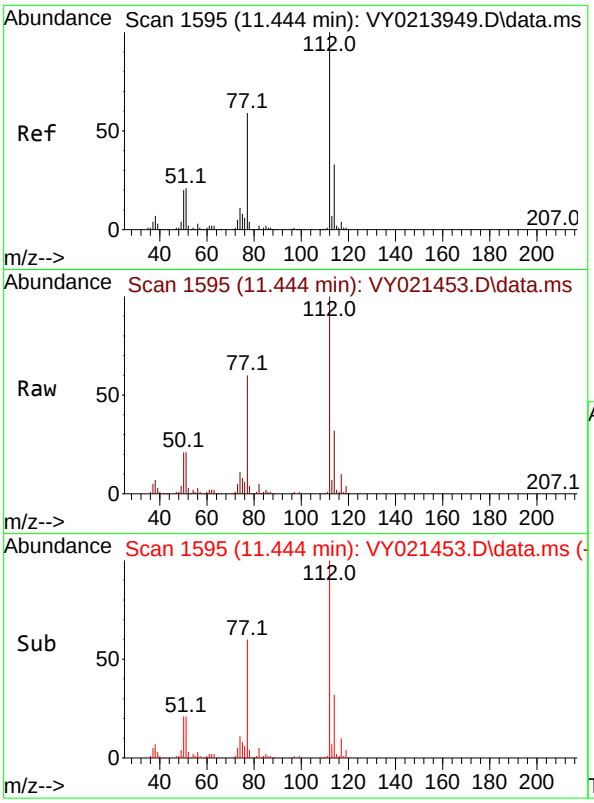


#64
Tetrachloroethene
Concen: 19.598 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:164 Resp: 48058

Ion	Ratio	Lower	Upper
164	100		
166	122.2	100.4	150.6
129	89.9	73.8	110.8
131	90.7	71.5	107.3





#65
Chlorobenzene
Concen: 18.959 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:112 Resp: 13501

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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Reviewed By :Mahesh Dadoda 03/11/2025
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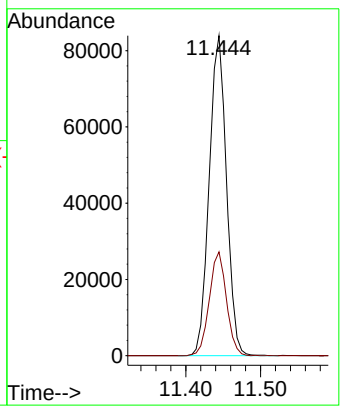
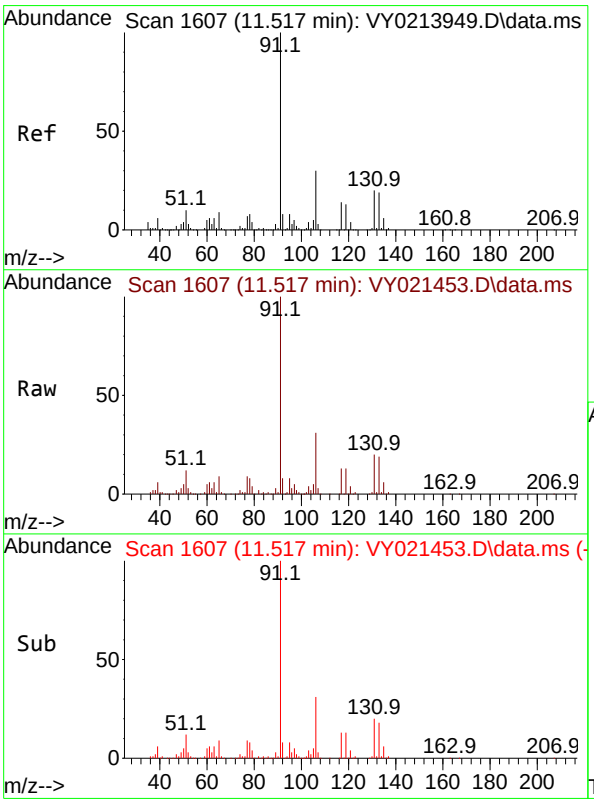
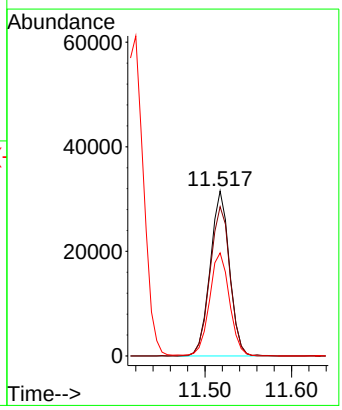


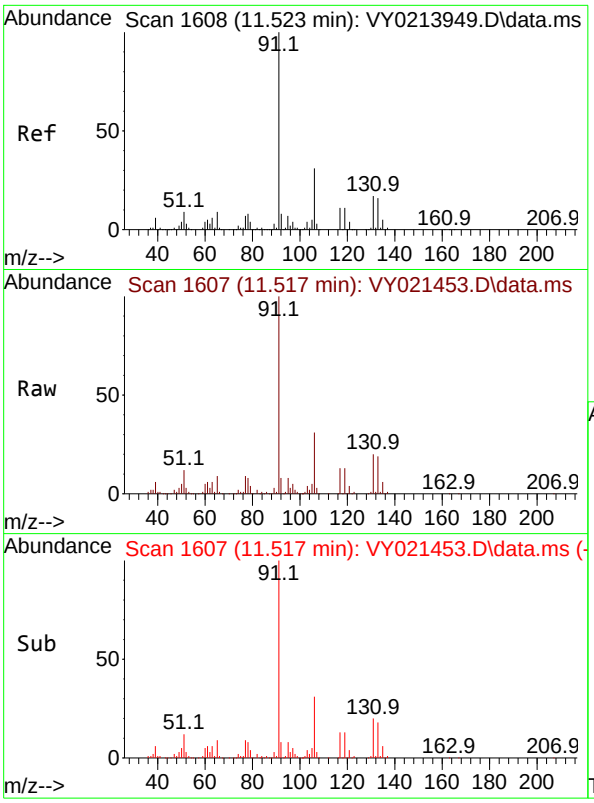


#66
1,1,1,2-Tetrachloroethane
Concen: 19.388 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:131 Resp: 48814

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.6	142.9
119	64.8	32.3	96.9





#67
Ethyl Benzene
Concen: 19.081 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 91 Resp: 23849

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations
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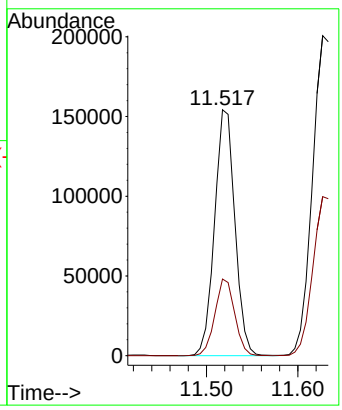
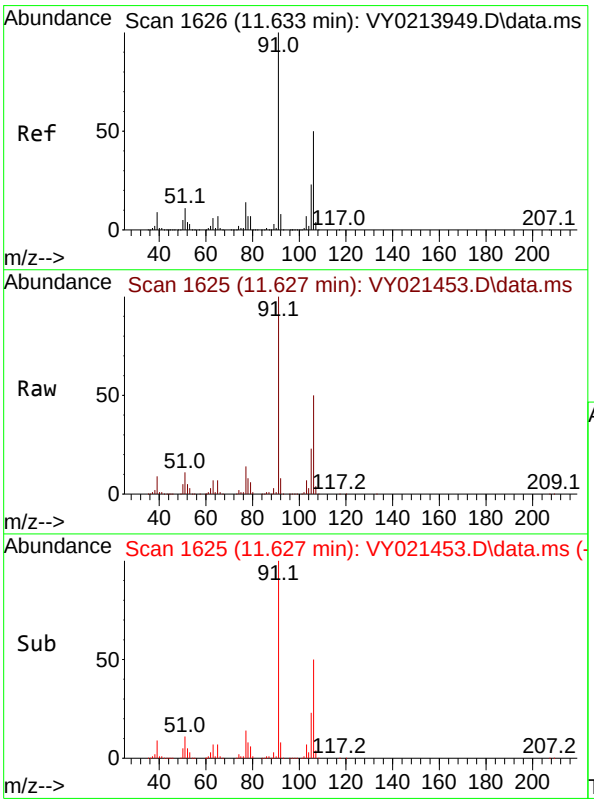
Supervised By :Semsettin Yesilyurt 03/11/2025

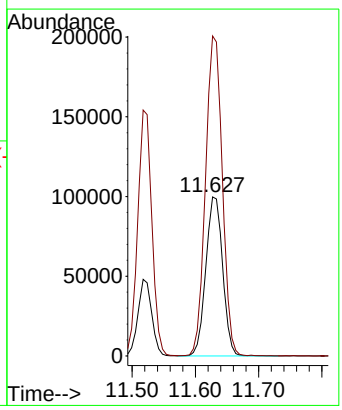


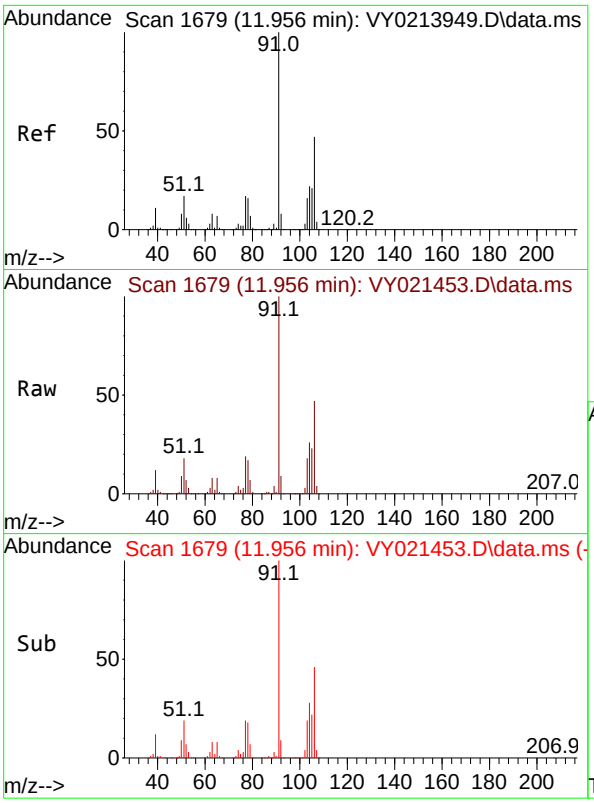


#68
m/p-Xylenes
Concen: 38.916 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:106 Resp: 184669

Ion	Ratio	Lower	Upper
106	100		
91	201.0	161.7	242.5





#69
o-Xylene
Concen: 19.120 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:106 Resp: 8362

Ion	Ratio	Lower	Upper
106	100		
91	216.1	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations
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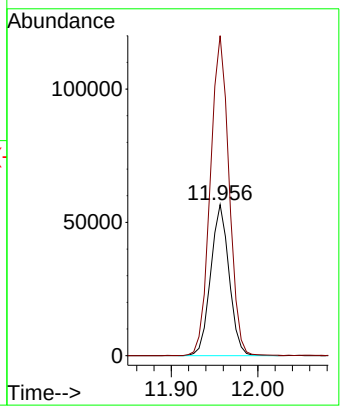
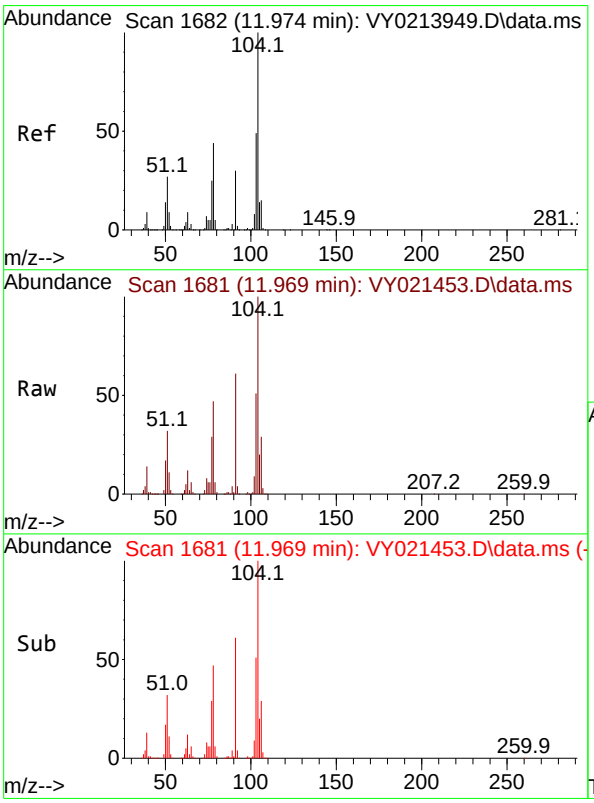
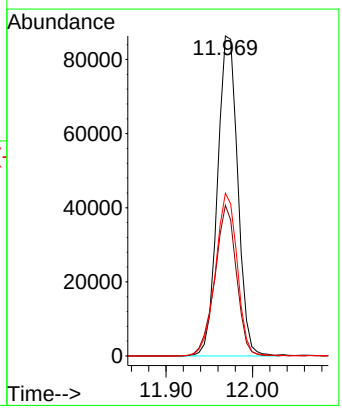


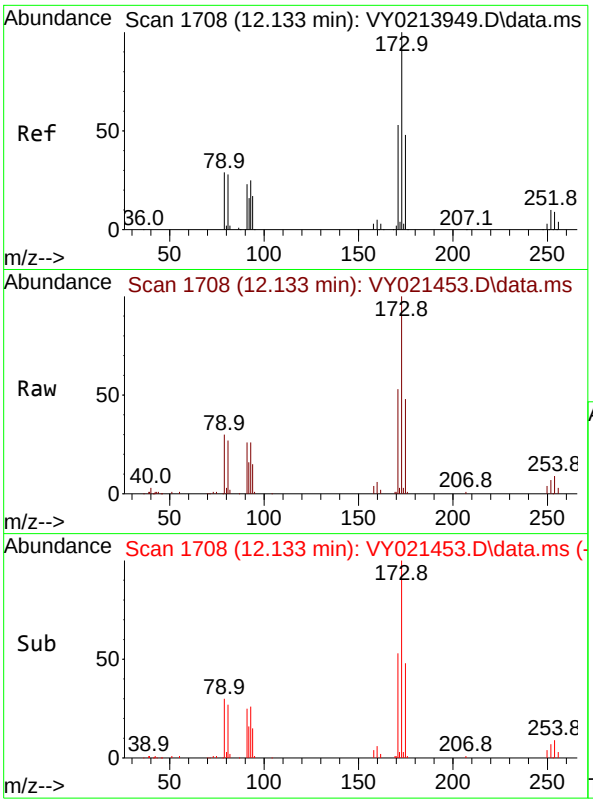


#70
Styrene
Concen: 19.324 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:104 Resp: 140205

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.7	61.1
103	54.9	44.1	66.1

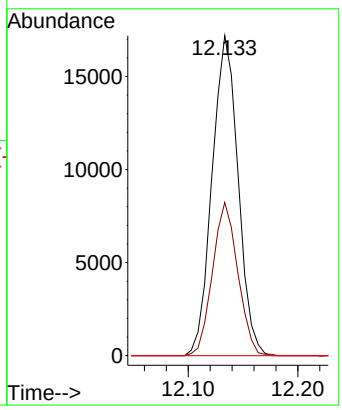




#71
Bromoform
Concen: 20.134 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:173 Resp: 2833

Ion	Ratio	Lower	Upper
173	100		
175	46.6	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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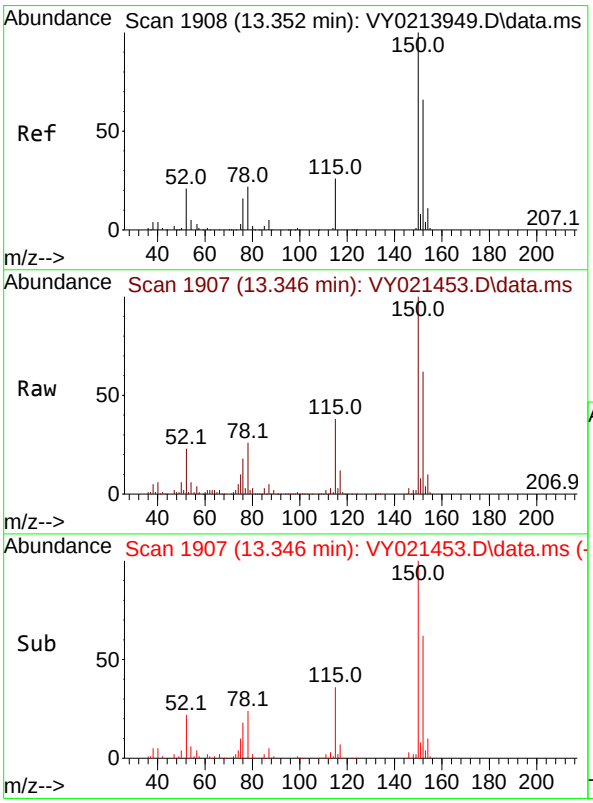
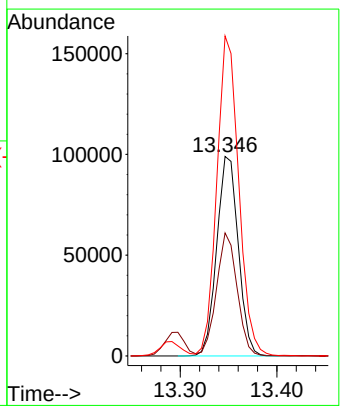
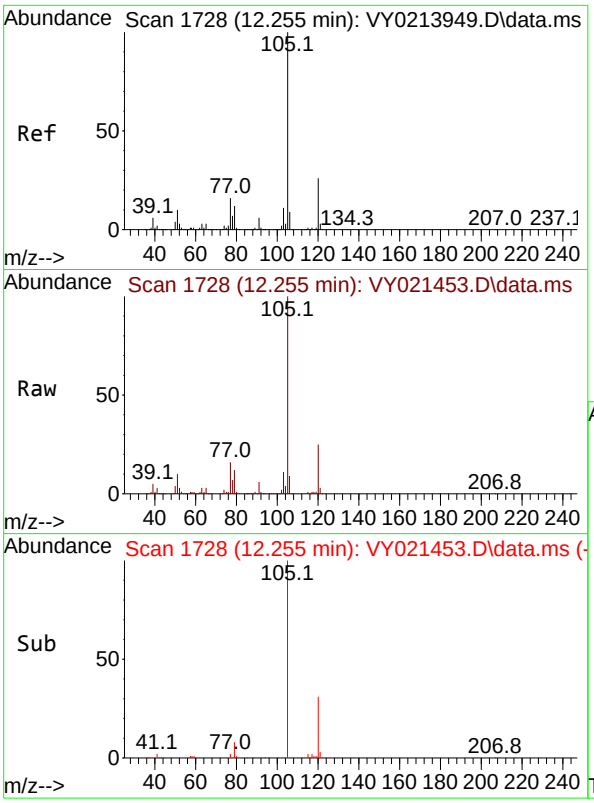


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:152 Resp: 152803

Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.0	87.0
150	163.4	0.0	347.2





#73
Isopropylbenzene
Concen: 18.919 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:105 Resp: 22772

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 03/11/2025
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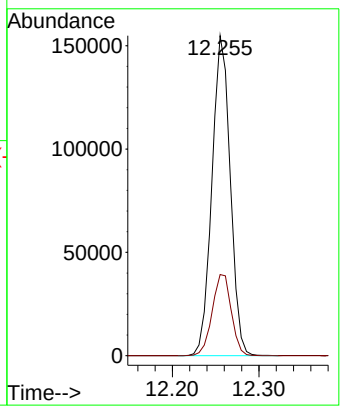
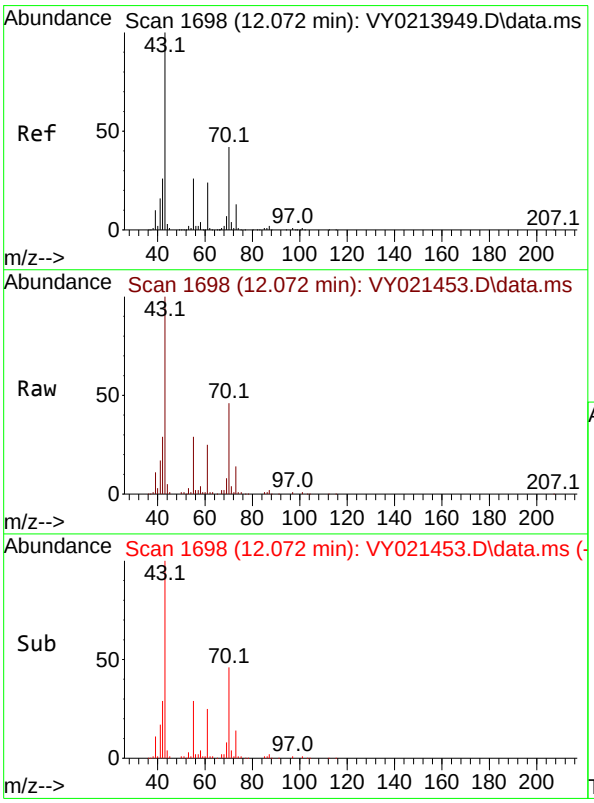
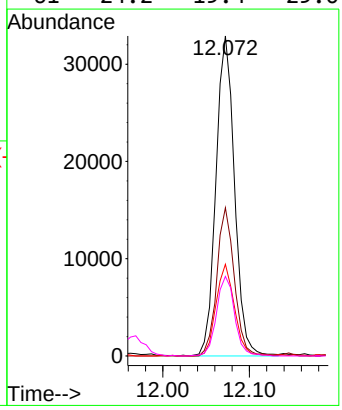


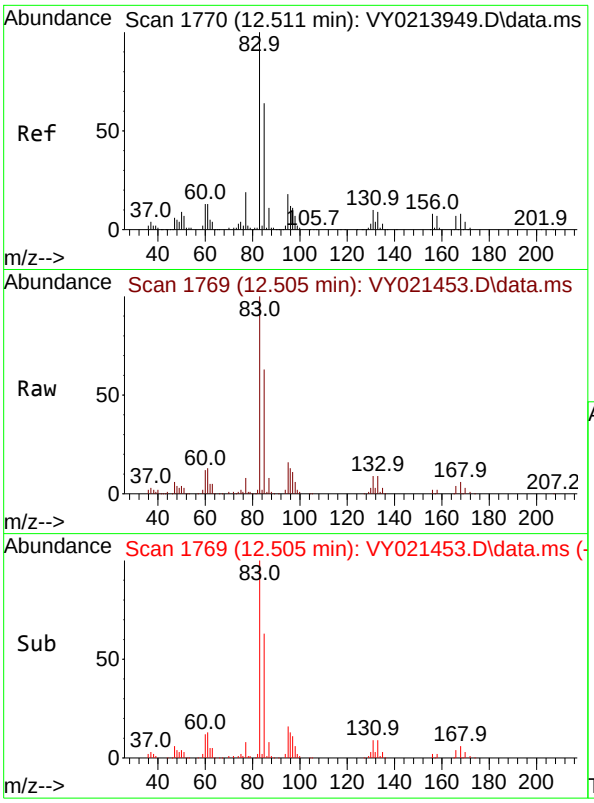


#74
N-amyl acetate
Concen: 18.789 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 43 Resp: 49116

Ion	Ratio	Lower	Upper
43	100		
70	43.6	34.6	51.8
55	28.4	21.1	31.7
61	24.2	19.4	29.0

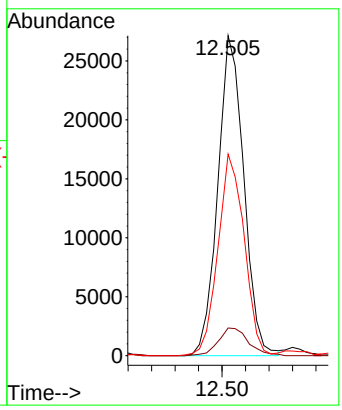




#75
1,1,2,2-Tetrachloroethane
Concen: 19.647 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 83 Resp: 4173

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.3	16.1
85	63.6	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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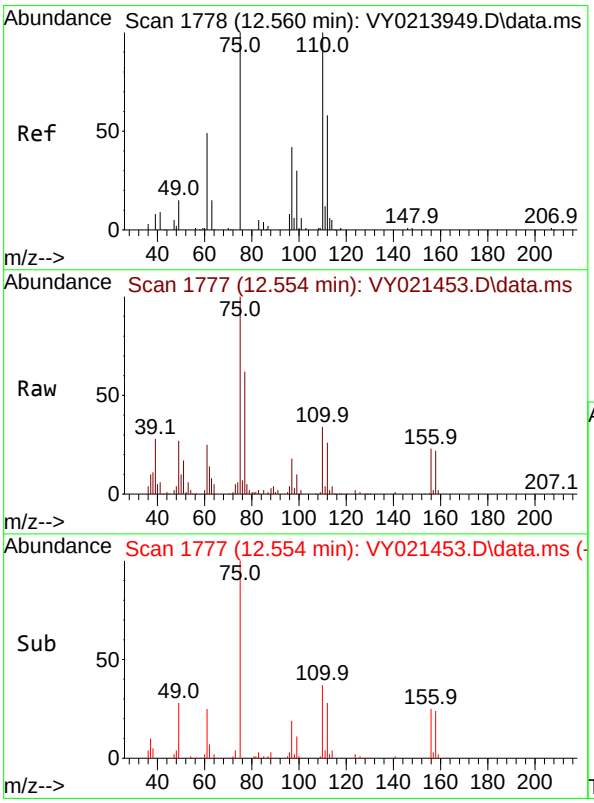
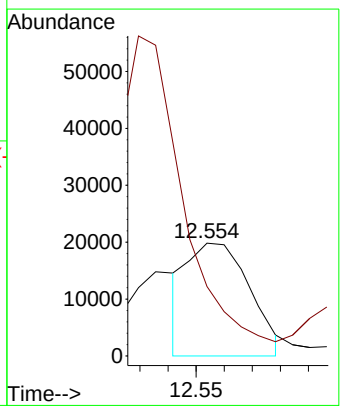
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

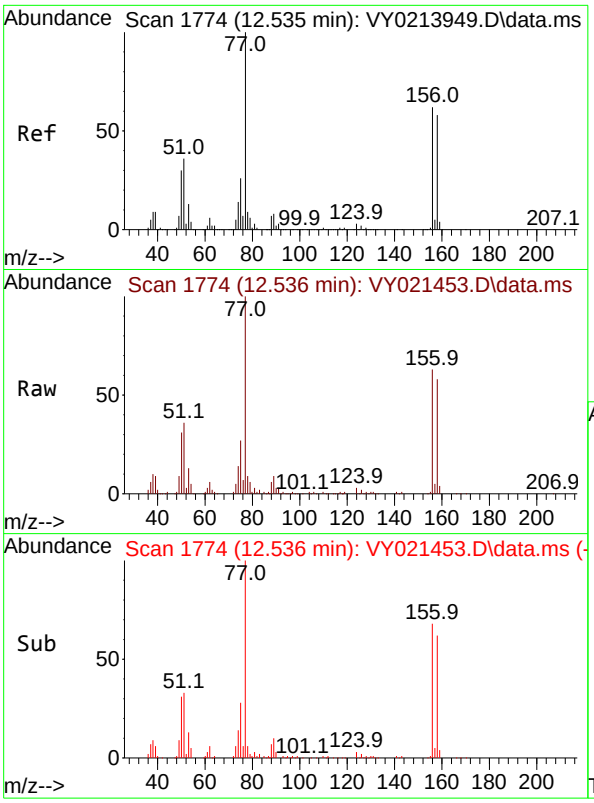


#76
1,2,3-Trichloropropane
Concen: 19.912 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 75 Resp: 30660

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

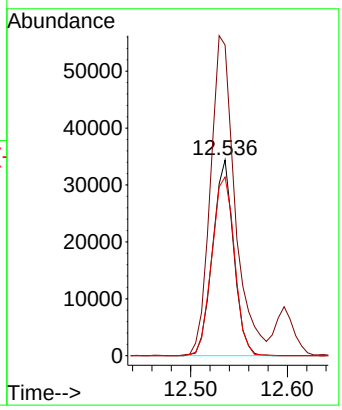




#77
Bromobenzene
Concen: 18.413 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:156 Resp: 5185

Ion	Ratio	Lower	Upper
156	100		
77	190.8	93.6	280.8
158	98.4	48.3	144.8



Instrument :
MSVOA_Y
ClientSampleId :
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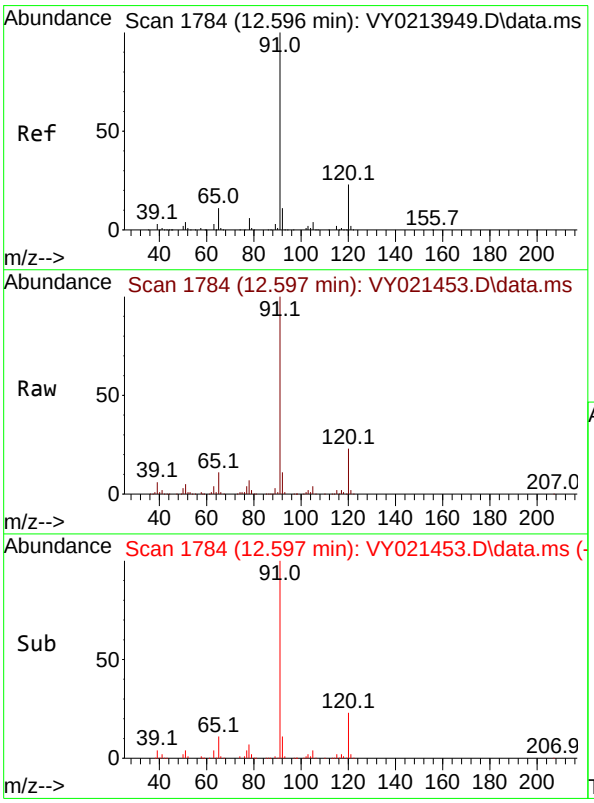
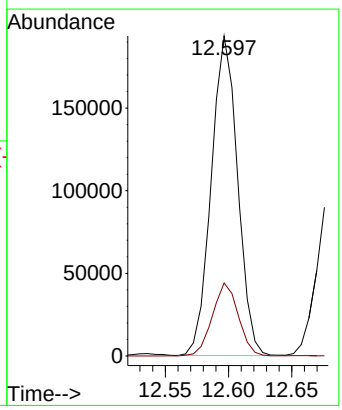
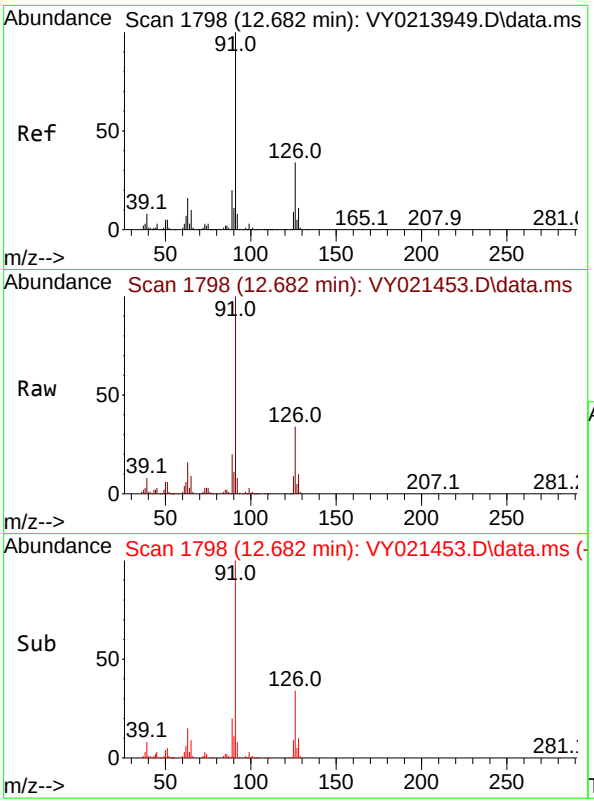


#78
n-propylbenzene
Concen: 19.208 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 91 Resp: 280785

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.8

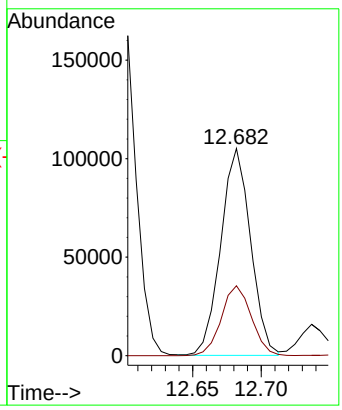




#79
2-Chlorotoluene
Concen: 19.038 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 91 Resp: 15912

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.2	51.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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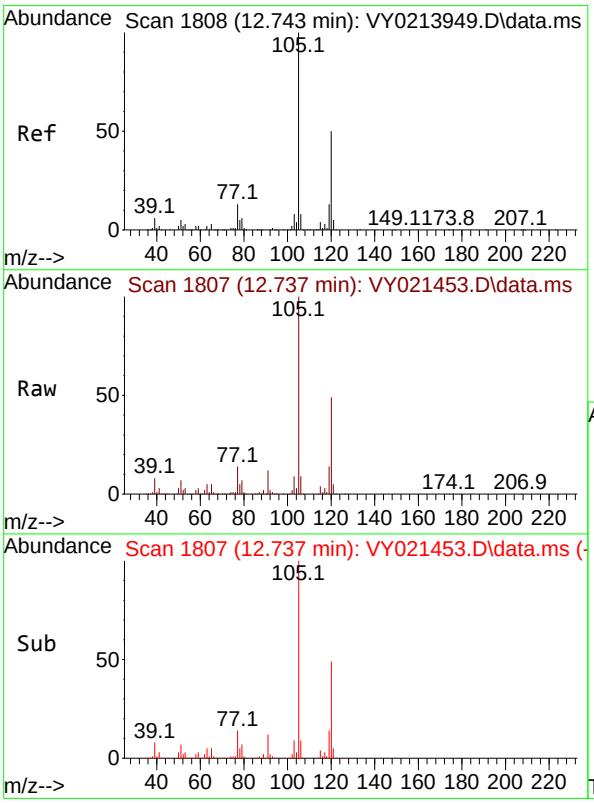
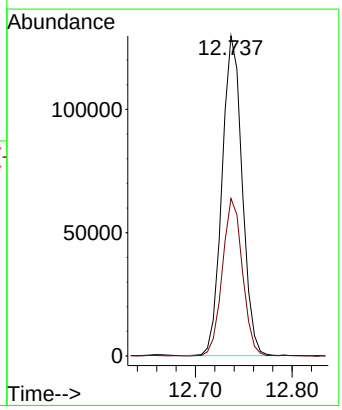
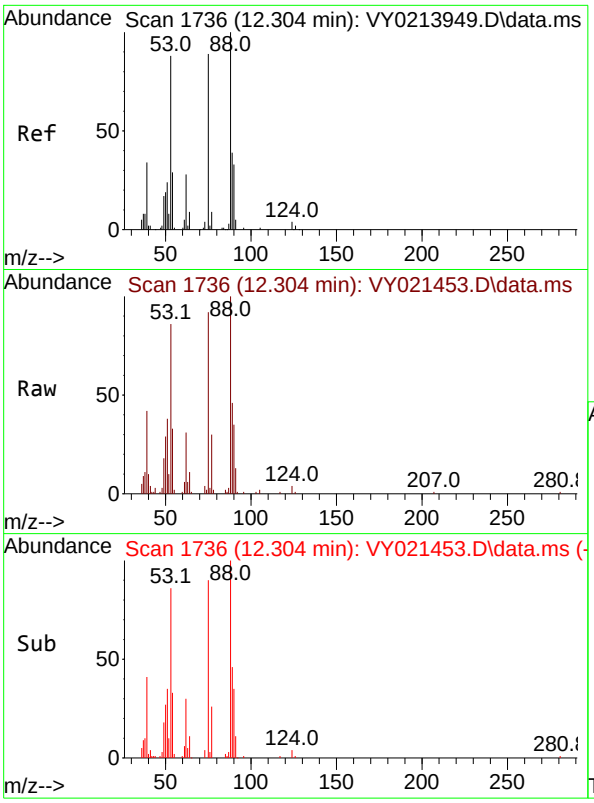


#80
1,3,5-Trimethylbenzene
Concen: 19.136 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:105 Resp: 187183

Ion	Ratio	Lower	Upper
105	100		
120	49.3	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 19.450 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Tgt Ion: 75 Resp: 1317

Ion	Ratio	Lower	Upper
75	100		
53	95.6	81.0	121.4
89	48.1	36.9	55.3

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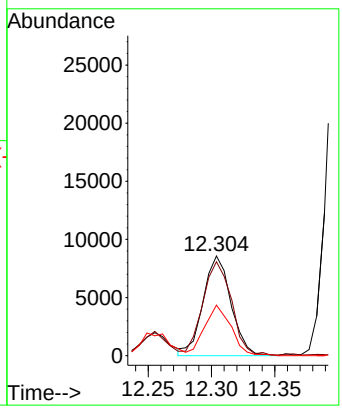
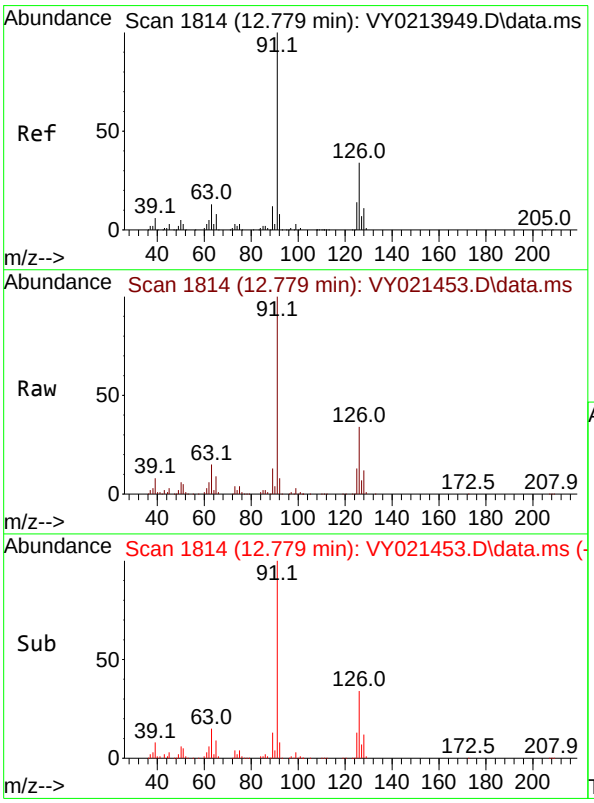
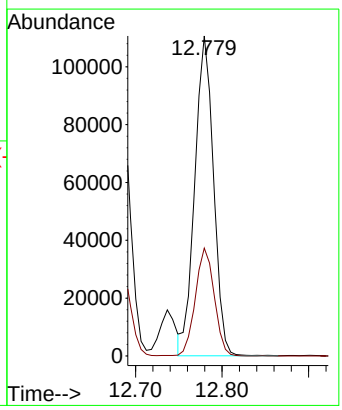


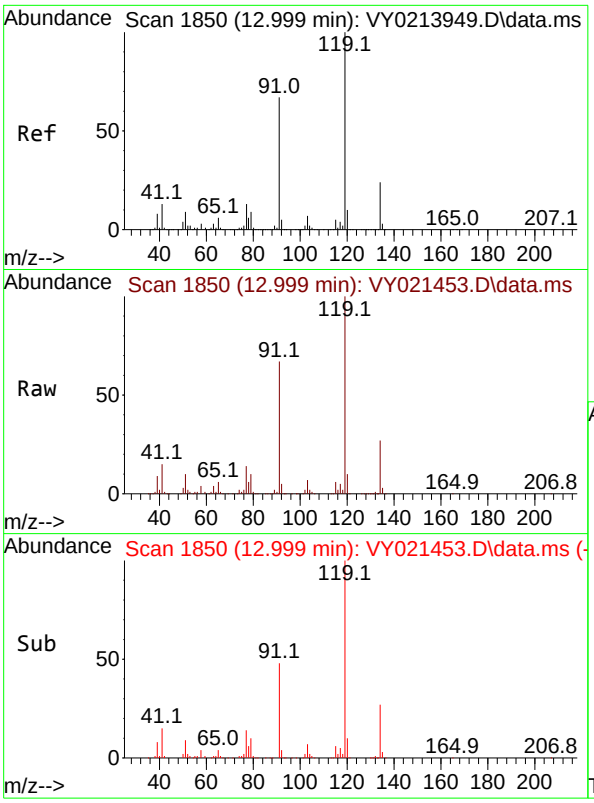


#82
4-Chlorotoluene
Concen: 19.206 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 91 Resp: 166239

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0

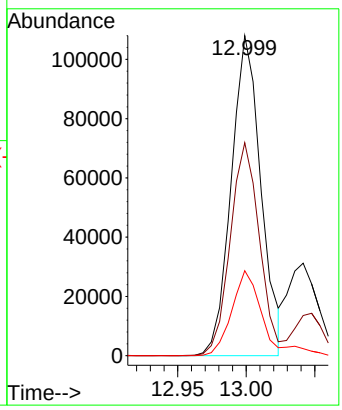




#83
tert-Butylbenzene
Concen: 18.691 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:119 Resp: 16310

Ion	Ratio	Lower	Upper
119	100		
91	65.0	33.2	99.6
134	27.7	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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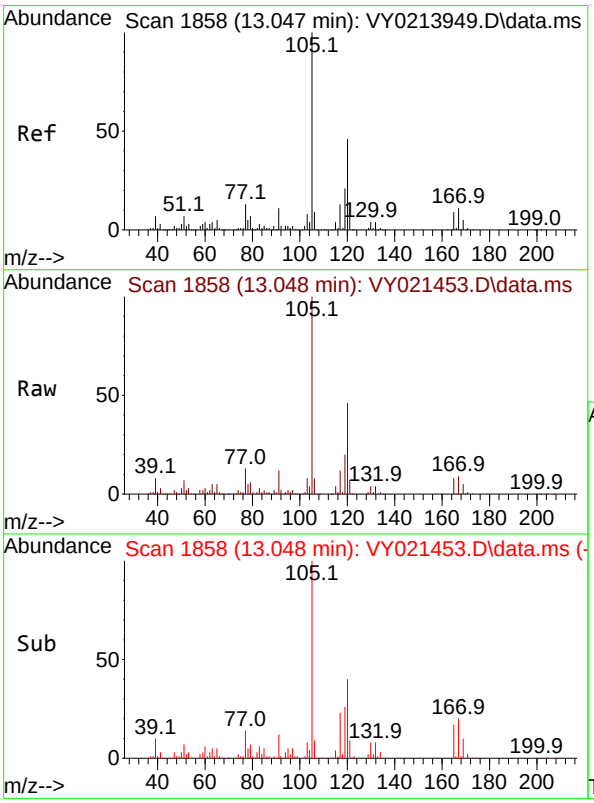
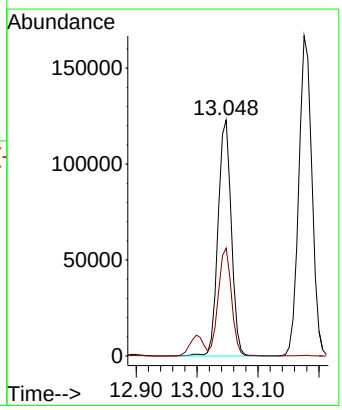
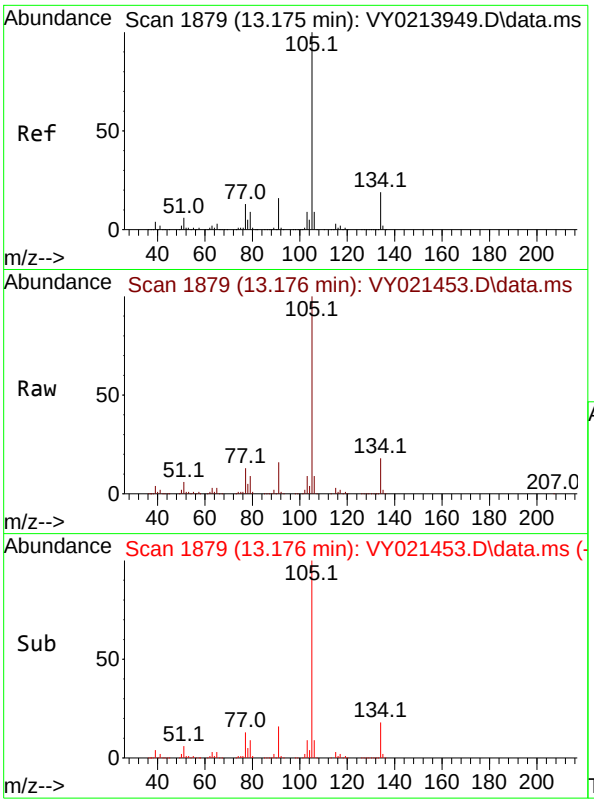


#84
1,2,4-Trimethylbenzene
Concen: 19.109 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:105 Resp: 185591

Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.7	68.1





#85
sec-Butylbenzene
Concen: 19.192 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:105 Resp: 24918

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations
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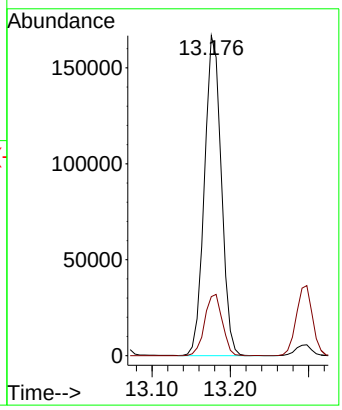
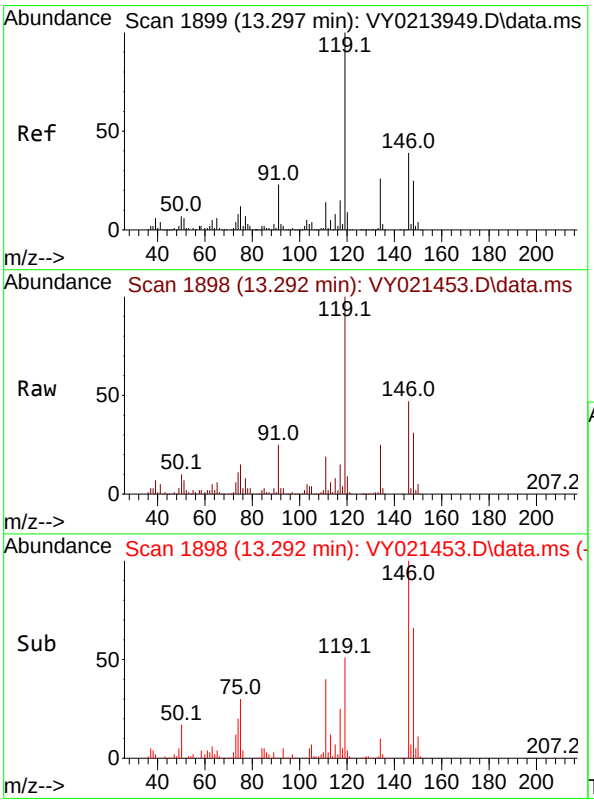
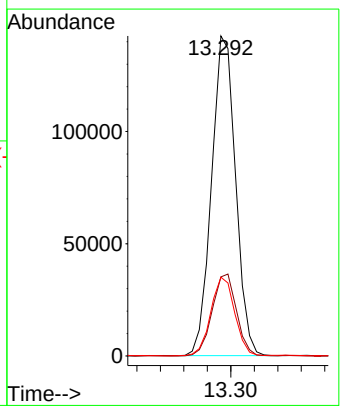


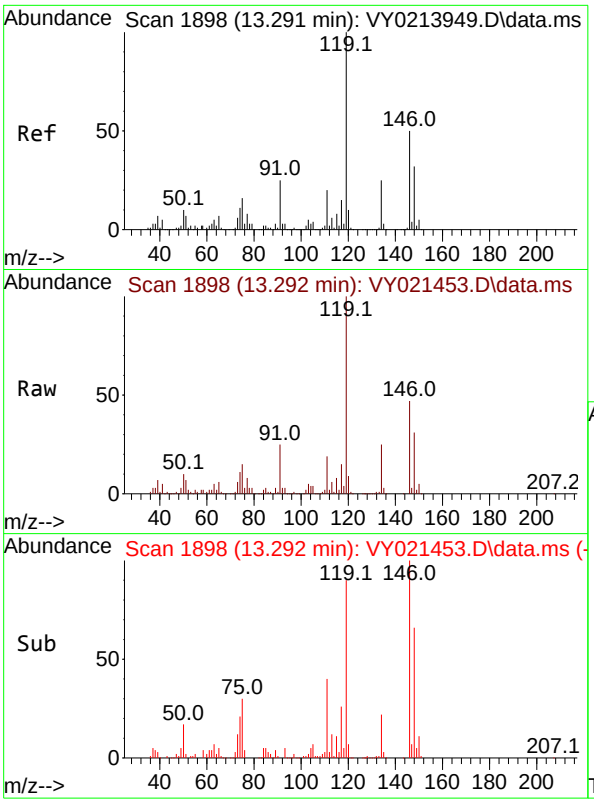


#86
p-Isopropyltoluene
Concen: 18.939 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:119 Resp: 202582

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.1
91	24.6	12.2	36.6





#87
1,3-Dichlorobenzene
Concen: 18.798 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:146 Resp: 10537

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	64.4	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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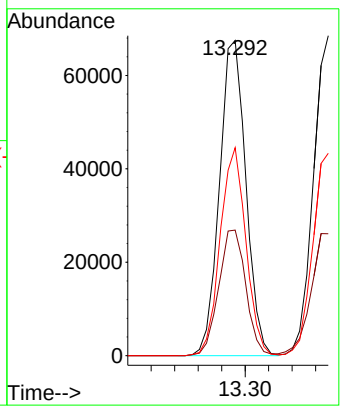
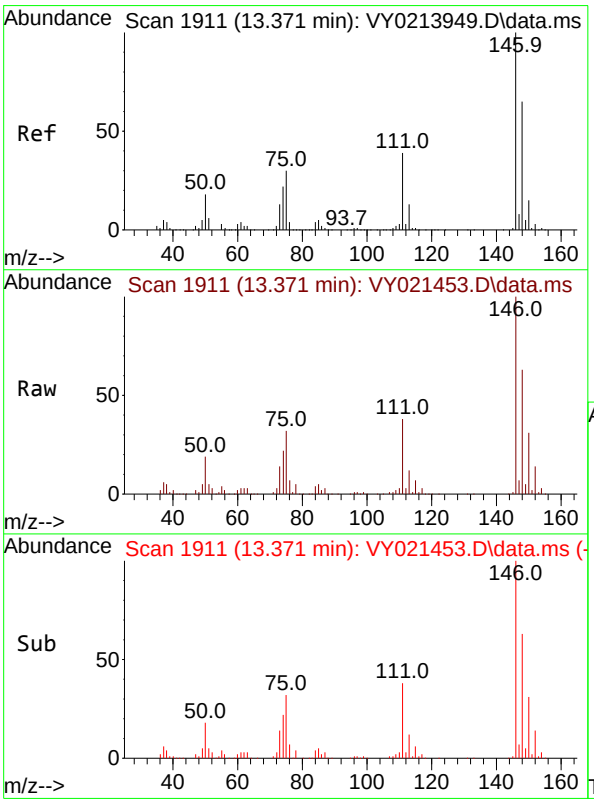
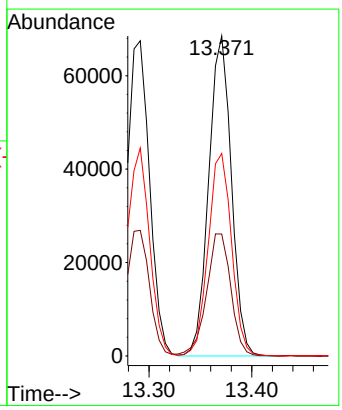


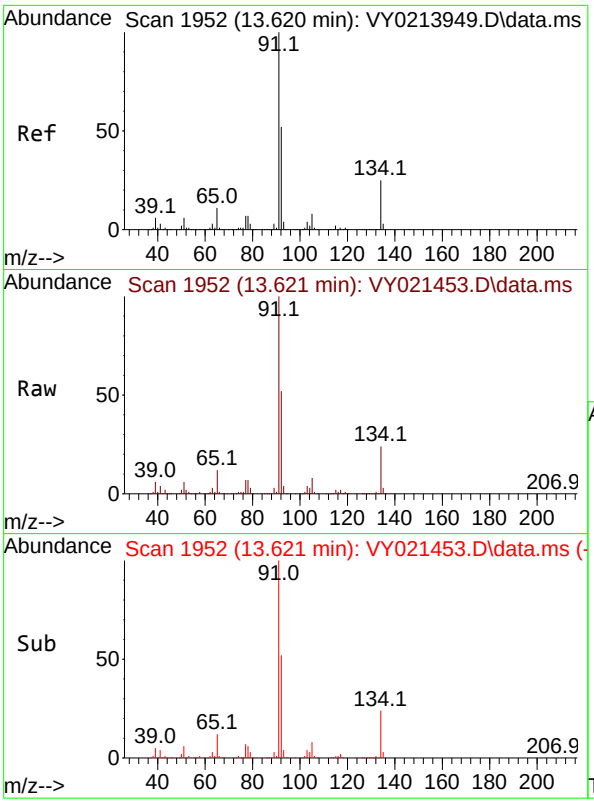


#88
1,4-Dichlorobenzene
Concen: 19.131 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:146 Resp: 104875

Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.6	58.8
148	65.4	32.3	96.8

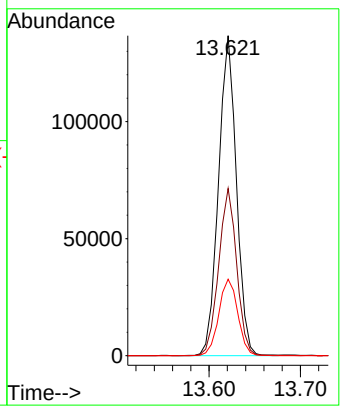




#89
n-Butylbenzene
Concen: 18.856 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 91 Resp: 18624

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.1	78.3
134	25.4	12.6	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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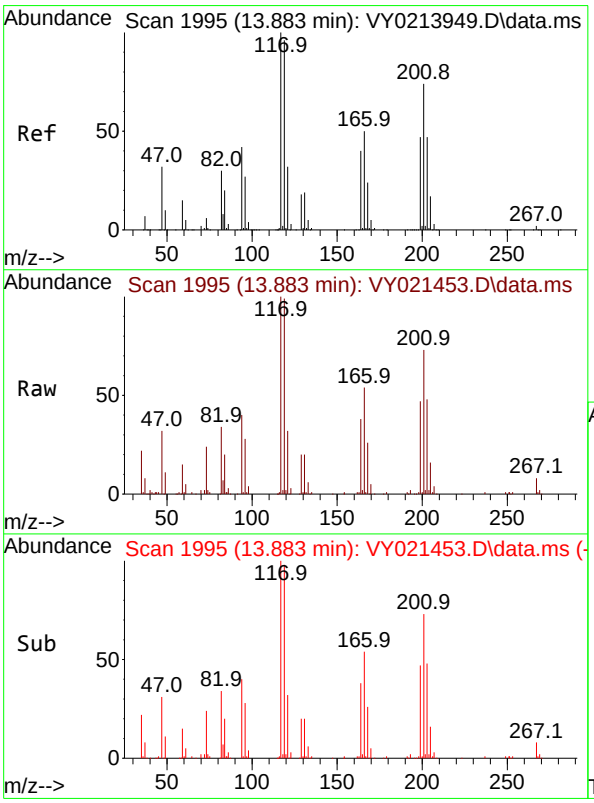
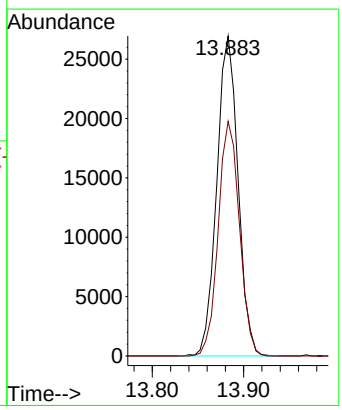
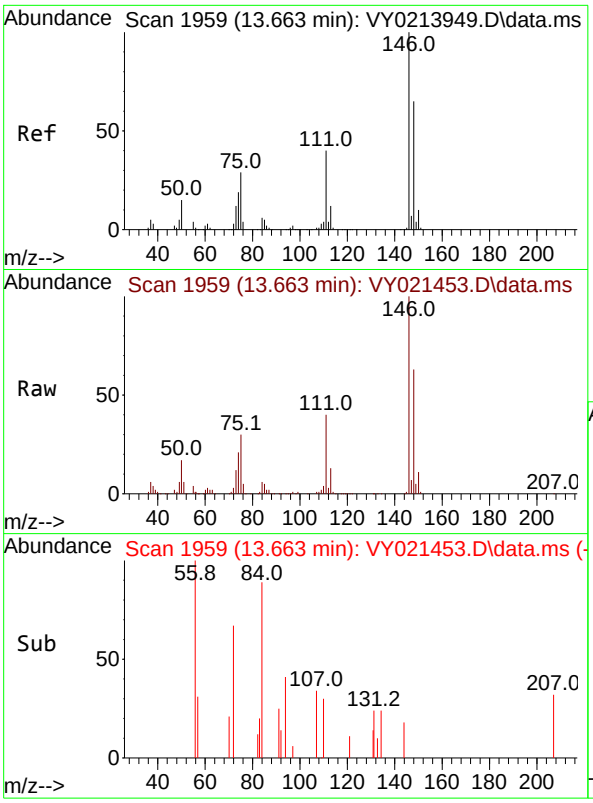


#90
Hexachloroethane
Concen: 19.087 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:117 Resp: 43553

Ion	Ratio	Lower	Upper
117	100		
201	73.1	37.4	112.2

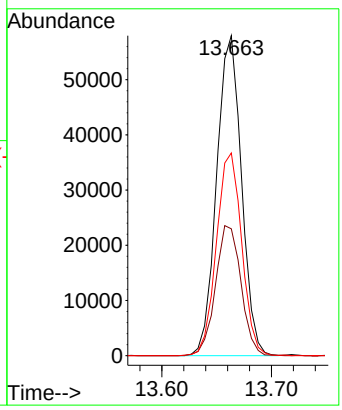




#91
1,2-Dichlorobenzene
Concen: 18.995 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:146 Resp: 9125

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.7	62.1
148	64.6	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

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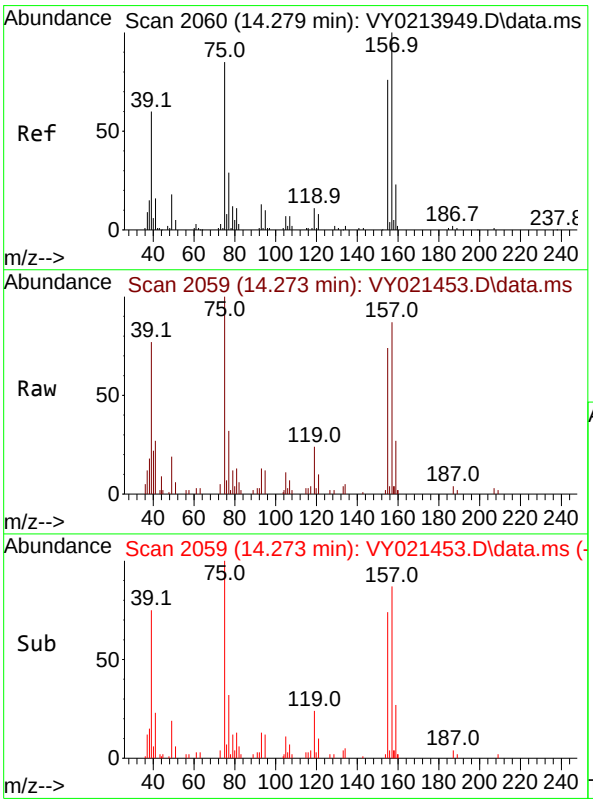
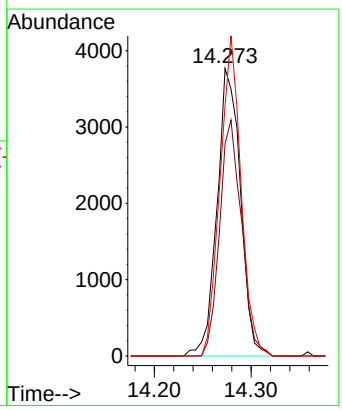
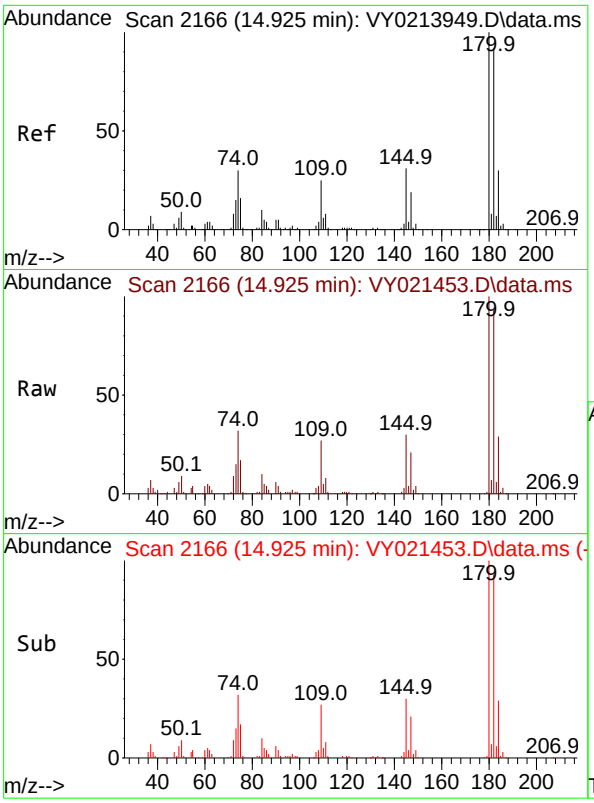


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.835 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.006 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion: 75 Resp: 6311

Ion	Ratio	Lower	Upper
75	100		
155	77.0	43.5	130.5
157	99.8	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 17.977 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

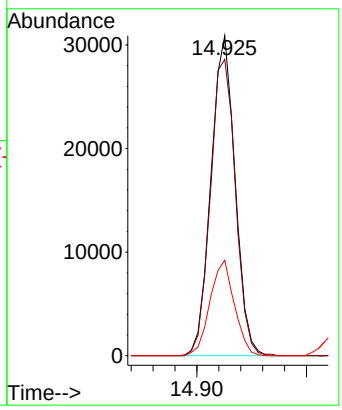
Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

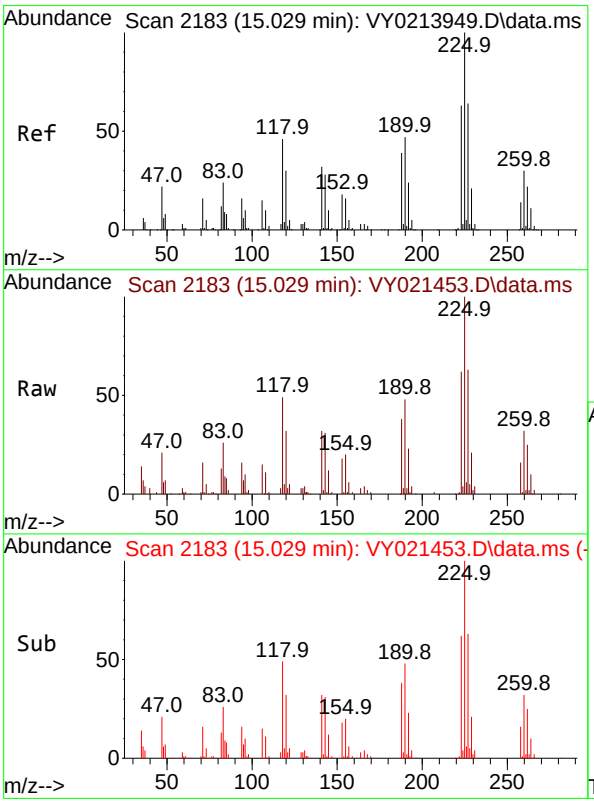
Tgt Ion:180 Resp: 4717

Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.7	140.0
145	30.2	15.6	46.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

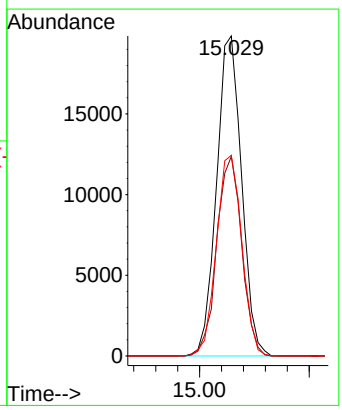


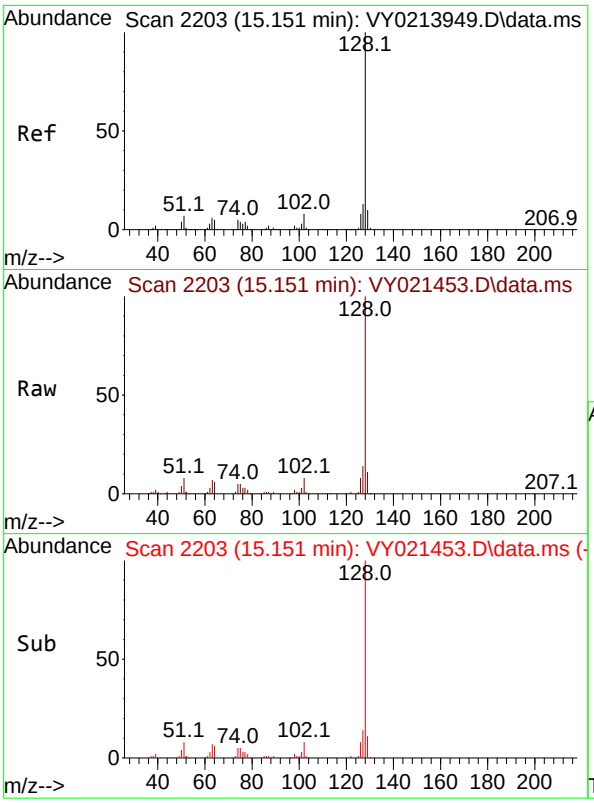


#94
Hexachlorobutadiene
Concen: 19.123 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:225 Resp: 31456

Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.4	94.2
227	63.8	31.8	95.4

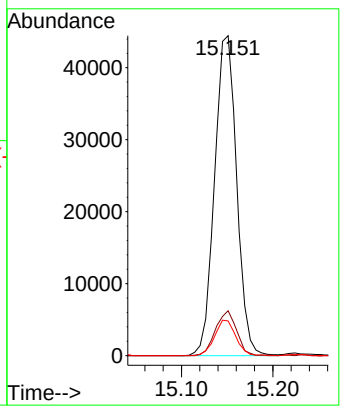




#95
Naphthalene
Concen: 18.887 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:128 Resp: 7480

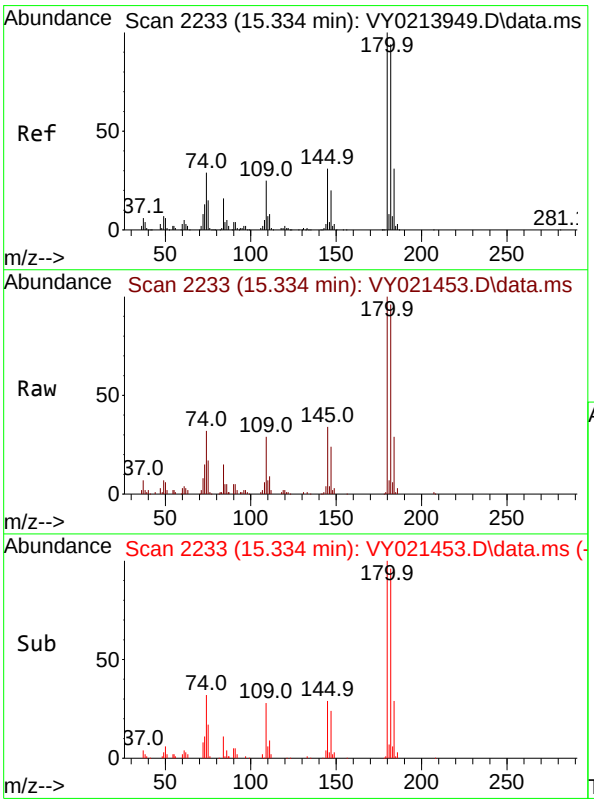
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.7	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations
APPROVED

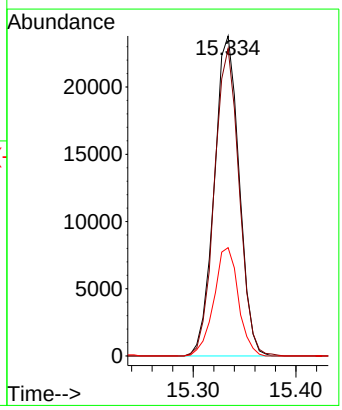
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.107 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021453.D
Acq: 07 Mar 2025 12:03

Tgt Ion:180 Resp: 39961

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.2	141.6
145	33.3	16.4	49.1



Raw Data: **VX045135.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0305WBSD01	SDG No.:	Q1488
Lab Sample ID:	VX0305WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045135.D	1		03/05/25 12:26	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.4		0.21	1.00	ug/L
74-87-3	Chloromethane	19.1		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.34	1.00	ug/L
74-83-9	Bromomethane	17.8		1.40	5.00	ug/L
75-00-3	Chloroethane	16.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	1.00	ug/L
67-64-1	Acetone	92.8		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	15.9		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.6		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.1		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.9		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.9		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.7		0.25	1.00	ug/L
74-97-5	Bromochloromethane	22.2		0.18	1.00	ug/L
67-66-3	Chloroform	19.3		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	21.1		0.19	1.00	ug/L
71-43-2	Benzene	19.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.6		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	18.6		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L
108-88-3	Toluene	20.7		0.18	1.00	ug/L

Raw Data: **VX045135.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0305WBSD01	SDG No.:	Q1488
Lab Sample ID:	VX0305WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045135.D	1		03/05/25 12:26	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.9		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	18.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	41.6		0.31	2.00	ug/L
95-47-6	o-Xylene	19.9		0.14	1.00	ug/L
100-42-5	Styrene	20.1		0.16	1.00	ug/L
75-25-2	Bromoform	17.2		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.5		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.3		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.7		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.2		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.1		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	104000	5.55			
540-36-3	1,4-Difluorobenzene	189000	6.757			
3114-55-4	Chlorobenzene-d5	168000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	73600	12.018			

Raw Data: **VX045135.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0305WBSD01	SDG No.:	Q1488
Lab Sample ID:	VX0305WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045135.D	1		03/05/25 12:26	VX030525

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_X\Data\VX030525\
Data File : VX045135.D
Acq On : 05 Mar 2025 12:26
Operator : JC/MD
Sample : VX0305WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 06 01:03:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	104383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188951	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	167692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81831	49.285	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.560%			
35) Dibromofluoromethane	5.379	113	63872	50.553	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.100%			
50) Toluene-d8	8.647	98	233974	51.080	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.160%			
62) 4-Bromofluorobenzene	11.079	95	77651	51.159	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25554	19.448	ug/l	97
3) Chloromethane	1.307	50	30784	19.145	ug/l	97
4) Vinyl Chloride	1.374	62	28793	18.050	ug/l	98
5) Bromomethane	1.593	94	11190	17.845	ug/l	99
6) Chloroethane	1.660	64	11751	15.971	ug/l	94
7) Trichlorofluoromethane	1.867	101	39358	18.638	ug/l	97
8) Diethyl Ether	2.136	74	14681	17.775	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	24600	20.277	ug/l	97
10) Methyl Iodide	2.441	142	29395	19.388	ug/l	99
11) Tert butyl alcohol	2.995	59	25231	80.226	ug/l	99
12) 1,1-Dichloroethene	2.306	96	24479	19.085	ug/l	99
13) Acrolein	2.239	56	35220	96.877	ug/l	98
14) Allyl chloride	2.654	41	44437	19.463	ug/l	100
15) Acrylonitrile	3.068	53	83639	99.228	ug/l	100
16) Acetone	2.392	43	71451	92.750	ug/l	98
17) Carbon Disulfide	2.502	76	54326	15.902	ug/l	99
18) Methyl Acetate	2.703	43	38148	20.585	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	83186	19.331	ug/l	100
20) Methylene Chloride	2.782	84	29184	19.125	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	25202	19.888	ug/l	95
22) Diisopropyl ether	3.763	45	92306	19.879	ug/l	94
23) Vinyl Acetate	3.721	43	369150	95.265	ug/l	99
24) 1,1-Dichloroethane	3.605	63	50888	19.555	ug/l	99
25) 2-Butanone	4.568	43	116702	100.642	ug/l	99
26) 2,2-Dichloropropane	4.471	77	31179	25.544	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	30742	19.653	ug/l	98
28) Bromochloromethane	4.897	49	27571	22.228	ug/l	100
29) Tetrahydrofuran	5.013	42	77400	99.394	ug/l	99
30) Chloroform	5.086	83	49949	19.317	ug/l	96
31) Cyclohexane	5.458	56	44911	19.881	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	39605	18.965	ug/l	100
36) 1,1-Dichloropropene	5.690	75	32570	18.797	ug/l	99
37) Ethyl Acetate	4.715	43	43509	19.487	ug/l	97
38) Carbon Tetrachloride	5.666	117	31758	18.053	ug/l	96
39) Methylcyclohexane	7.373	83	43836	21.114	ug/l	97
40) Benzene	6.031	78	108204	19.776	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045135.D
Acq On : 05 Mar 2025 12:26
Operator : JC/MD
Sample : VX0305WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 06 01:03:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	23219	19.233	ug/l		94
42) 1,2-Dichloroethane	6.086	62	38564	19.573	ug/l		98
43) Isopropyl Acetate	6.342	43	63481	19.228	ug/l		100
44) Trichloroethene	7.123	130	23788	18.515	ug/l		98
45) 1,2-Dichloropropane	7.427	63	27303	19.408	ug/l		100
46) Dibromomethane	7.580	93	19632	19.744	ug/l		99
47) Bromodichloromethane	7.818	83	36222	18.572	ug/l		100
48) Methyl methacrylate	7.696	41	31784	19.189	ug/l		98
49) 1,4-Dioxane	7.671	88	14405	412.289	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	223880	100.992	ug/l		100
52) Toluene	8.714	92	66524	20.722	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30810	18.896	ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	37343	19.640	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	26275	19.881	ug/l		99
56) Ethyl methacrylate	9.116	69	38988	19.408	ug/l		99
57) 1,3-Dichloropropane	9.305	76	45852	20.048	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	93444	95.356	ug/l		97
59) 2-Hexanone	9.433	43	163225	101.624	ug/l		100
60) Dibromochloromethane	9.519	129	25594	18.522	ug/l		100
61) 1,2-Dibromoethane	9.610	107	25105	19.029	ug/l		99
64) Tetrachloroethene	9.269	164	21212	19.750	ug/l		91
65) Chlorobenzene	10.079	112	69220	19.508	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21254	17.986	ug/l		99
67) Ethyl Benzene	10.195	91	123682	20.004	ug/l		99
68) m/p-Xylenes	10.299	106	94216	41.627	ug/l		98
69) o-Xylene	10.640	106	45390	19.884	ug/l		100
70) Styrene	10.652	104	74263	20.106	ug/l		99
71) Bromoform	10.799	173	15338	17.213	ug/l	#	98
73) Isopropylbenzene	10.963	105	116043	20.206	ug/l		100
74) N-amyl acetate	10.841	43	50887	18.884	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	41049	19.478	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	35831m	20.923	ug/l		
77) Bromobenzene	11.195	156	27194	20.069	ug/l		97
78) n-propylbenzene	11.305	91	132188	20.376	ug/l		100
79) 2-Chlorotoluene	11.366	91	81676	19.769	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	96161	20.708	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8063	16.113	ug/l	#	82
82) 4-Chlorotoluene	11.451	91	90278	20.049	ug/l		99
83) tert-Butylbenzene	11.713	119	93664	19.631	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	95237	20.383	ug/l		99
85) sec-Butylbenzene	11.890	105	117932	20.635	ug/l		99
86) p-Isopropyltoluene	12.006	119	96010	20.787	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	48977	20.262	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	48188	19.705	ug/l		97
89) n-Butylbenzene	12.329	91	82412	20.717	ug/l		100
90) Hexachloroethane	12.536	117	13810	16.531	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	49011	20.212	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7544	18.375	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	27569	19.967	ug/l		99
94) Hexachlorobutadiene	13.725	225	11329	20.014	ug/l		96
95) Naphthalene	13.774	128	108208	20.398	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	29345	20.147	ug/l		99

Sample Results: **VX045135.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045135.D
Acq On : 05 Mar 2025 12:26
Operator : JC/MD
Sample : VX0305WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 06 01:03:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045135.D
Acq On : 05 Mar 2025 12:26
Operator : JC/MD
Sample : VX0305WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 06 01:03:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations APPROVED

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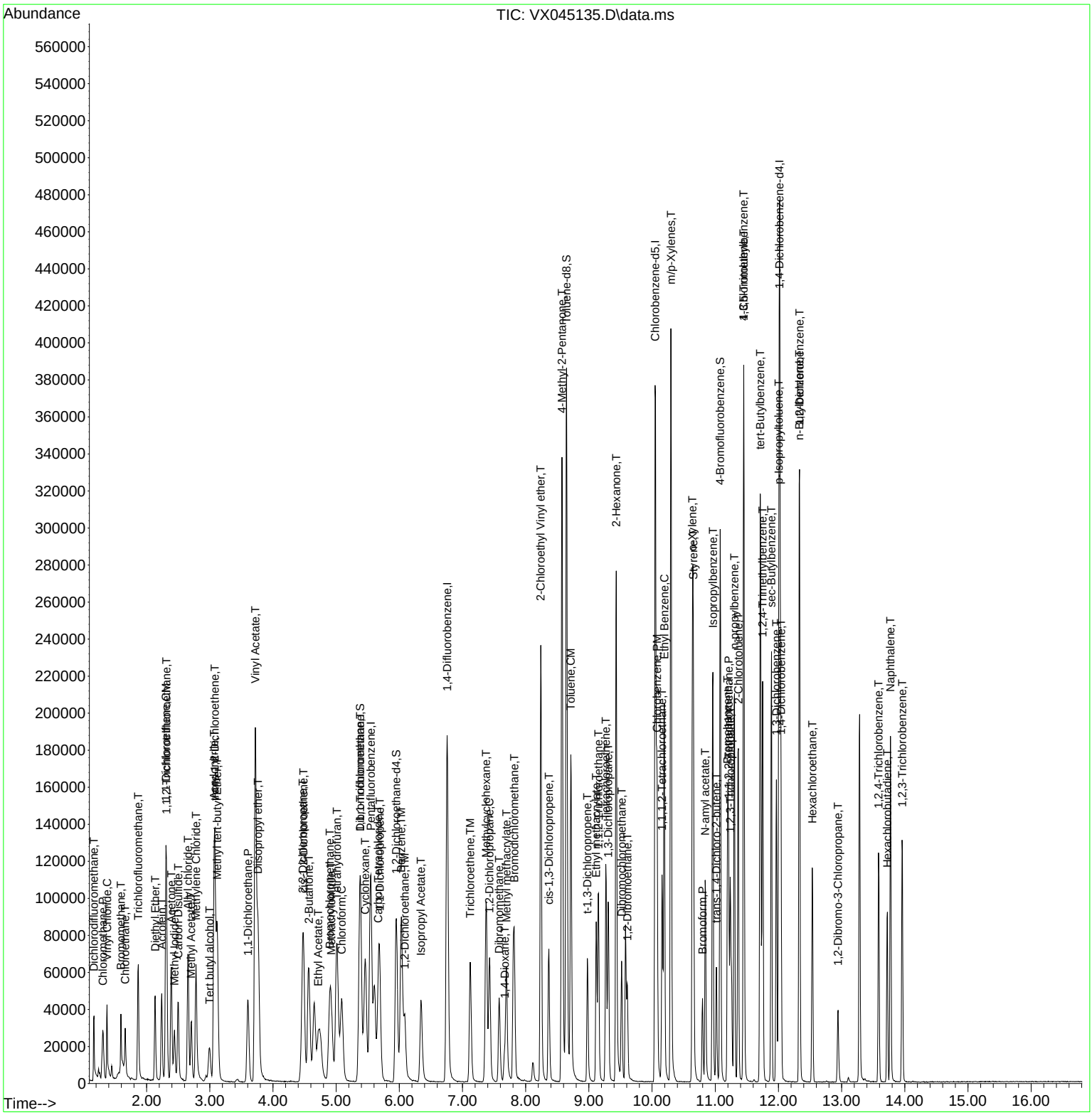
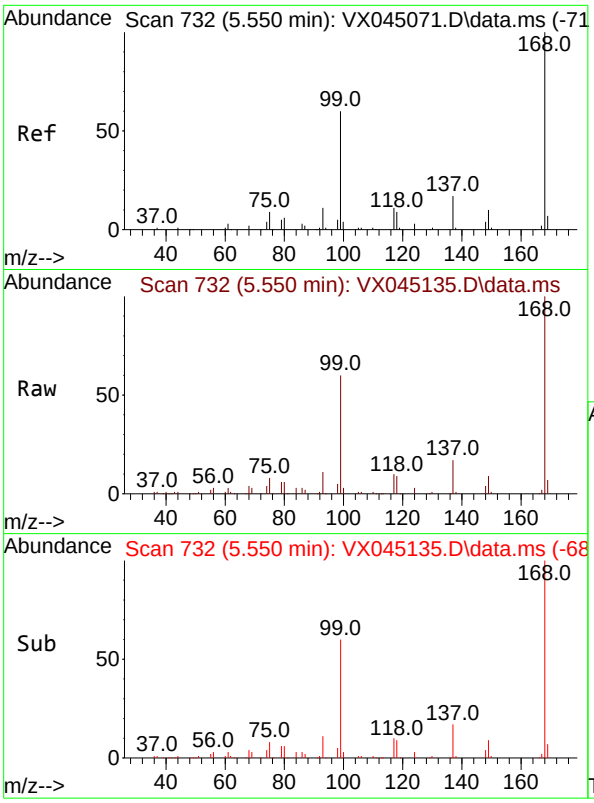
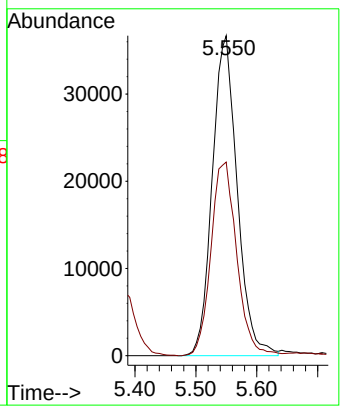




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:168 Resp: 10438

Ion	Ratio	Lower	Upper
168	100		
99	60.5	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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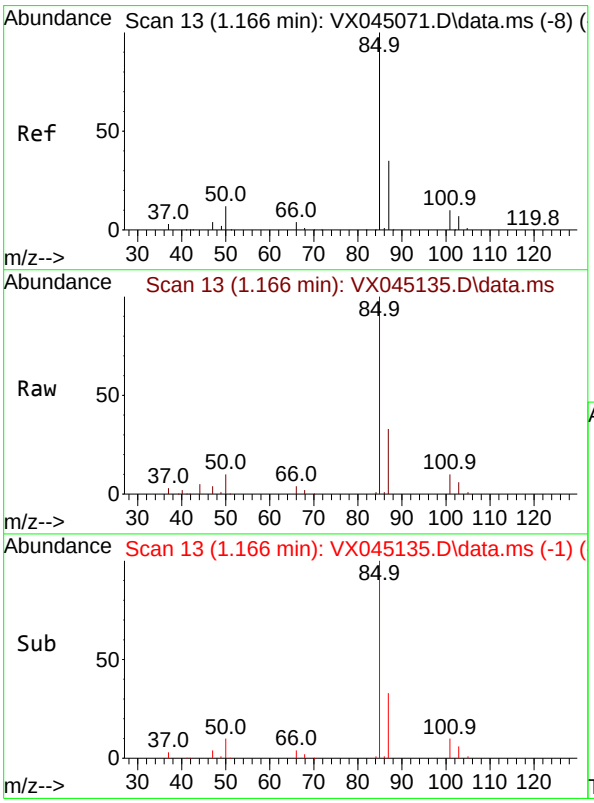
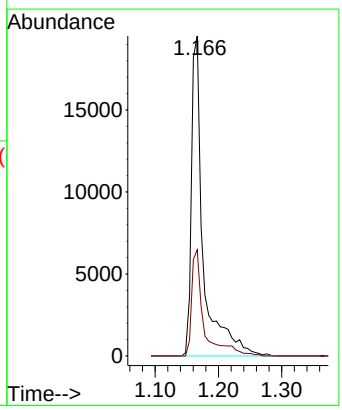
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

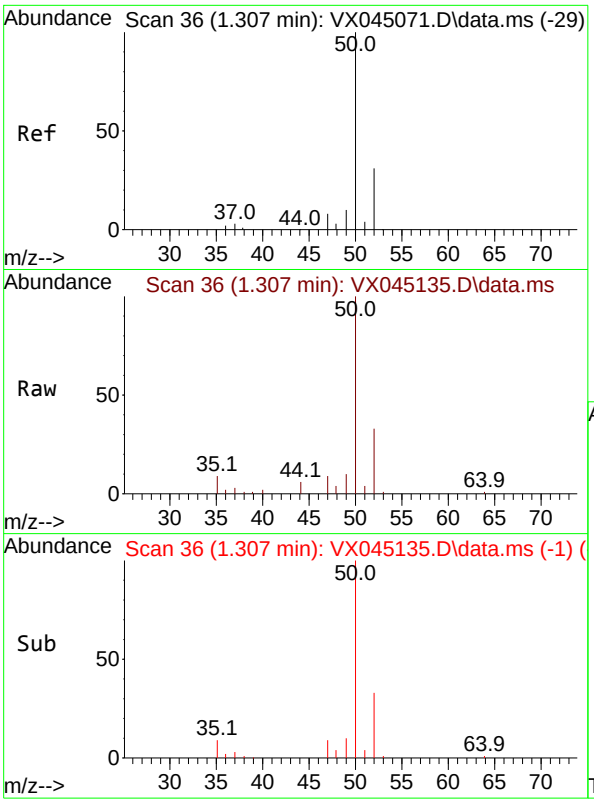


#2
Dichlorodifluoromethane
Concen: 19.448 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 85 Resp: 25554

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.4	52.3





#3
Chloromethane
Concen: 19.145 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 50 Resp: 3078

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/06/2025
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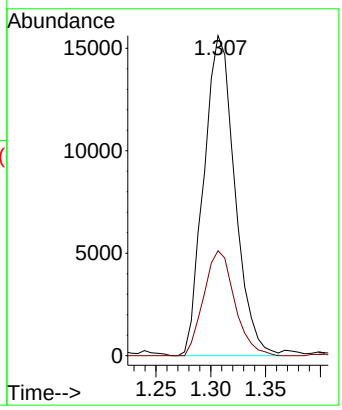
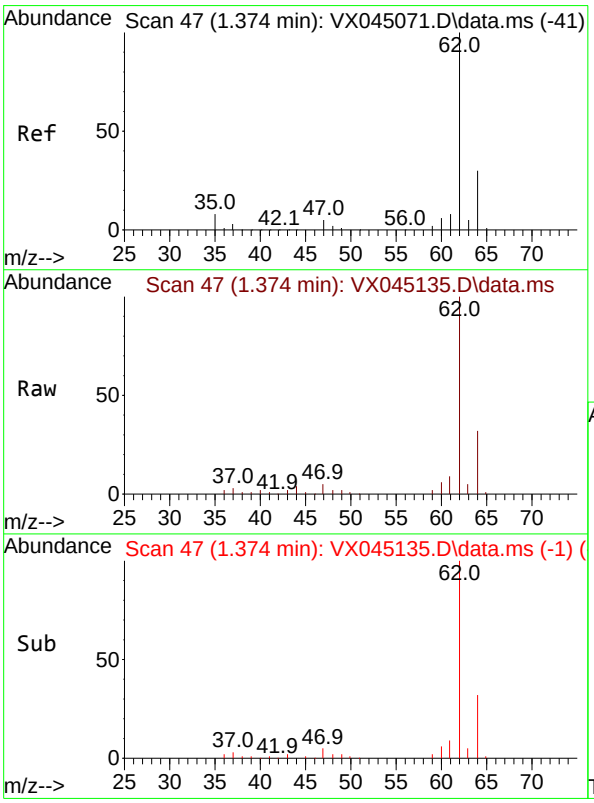
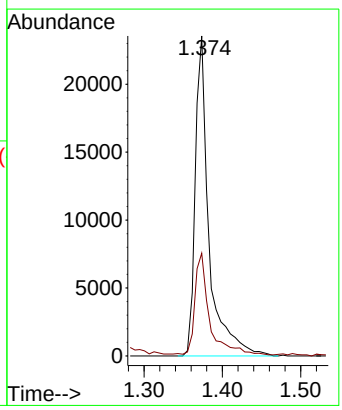


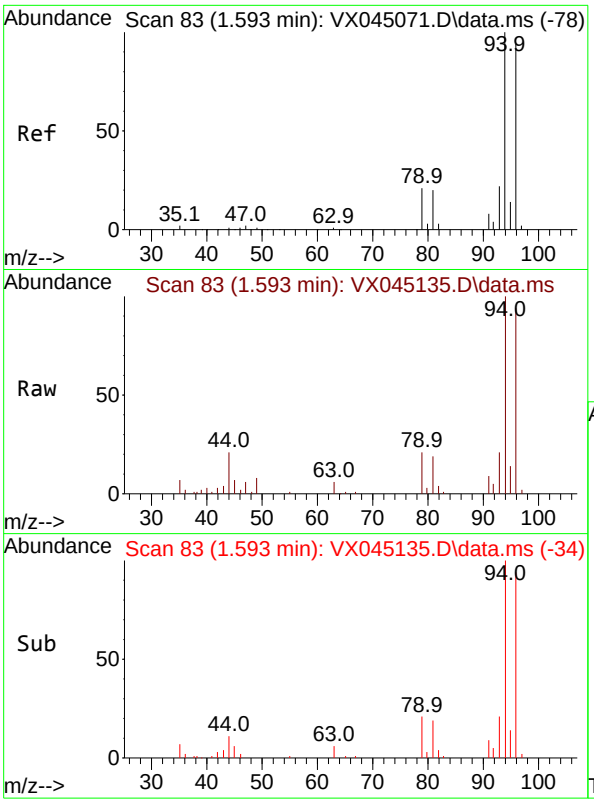


#4
Vinyl Chloride
Concen: 18.050 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 62 Resp: 28793

Ion	Ratio	Lower	Upper
62	100		
64	31.6	24.3	36.5

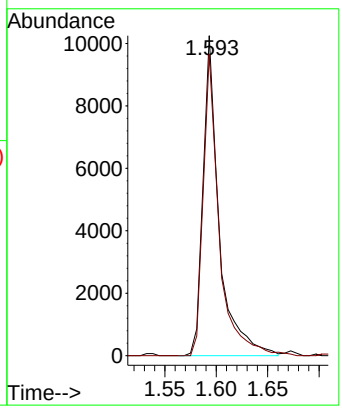




#5
Bromomethane
Concen: 17.845 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 94 Resp: 1119

Ion	Ratio	Lower	Upper
94	100		
96	94.3	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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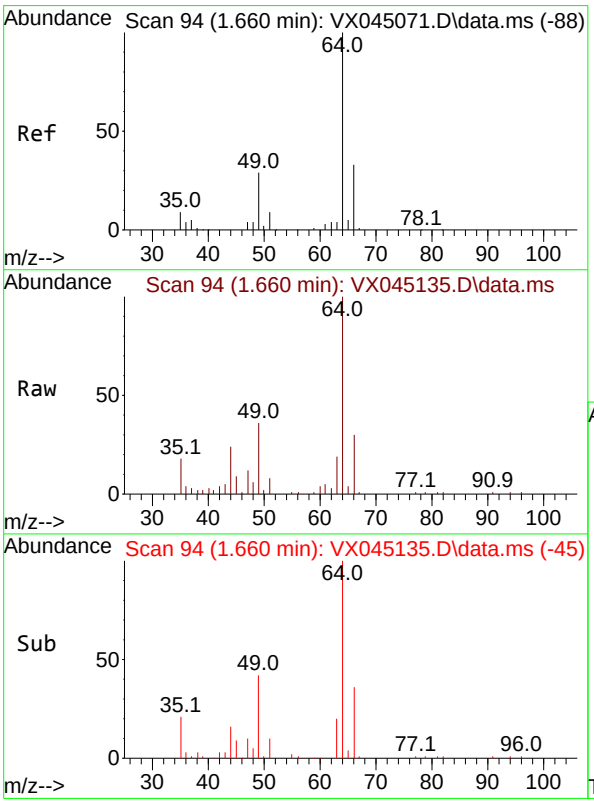
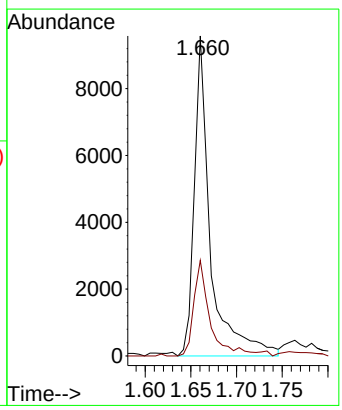
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

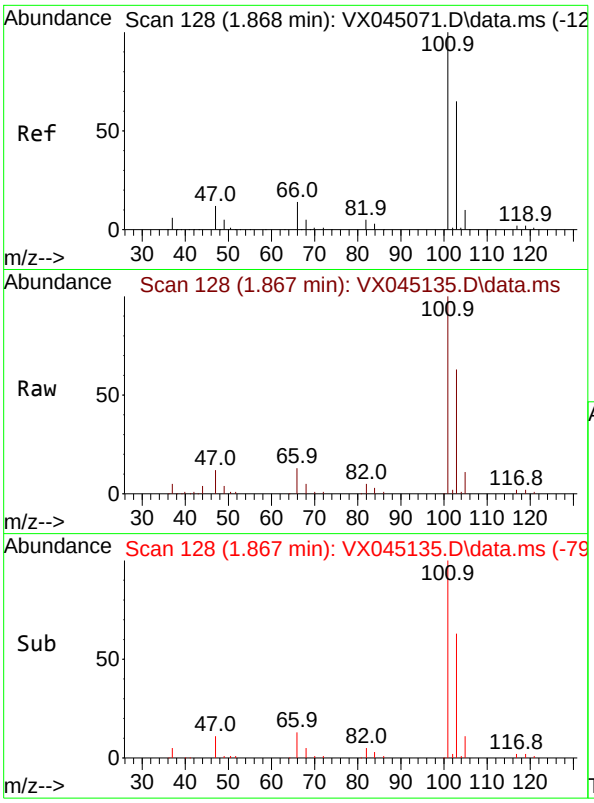


#6
Chloroethane
Concen: 15.971 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 64 Resp: 11751

Ion	Ratio	Lower	Upper
64	100		
66	29.9	26.7	40.1





#7
Trichlorofluoromethane
Concen: 18.638 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

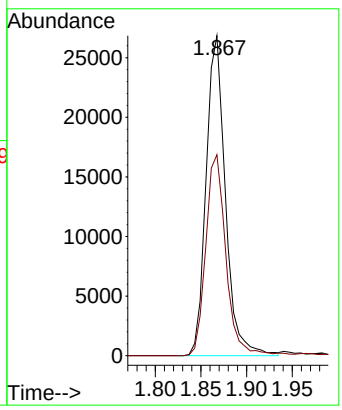
Tgt Ion:101 Resp: 3935

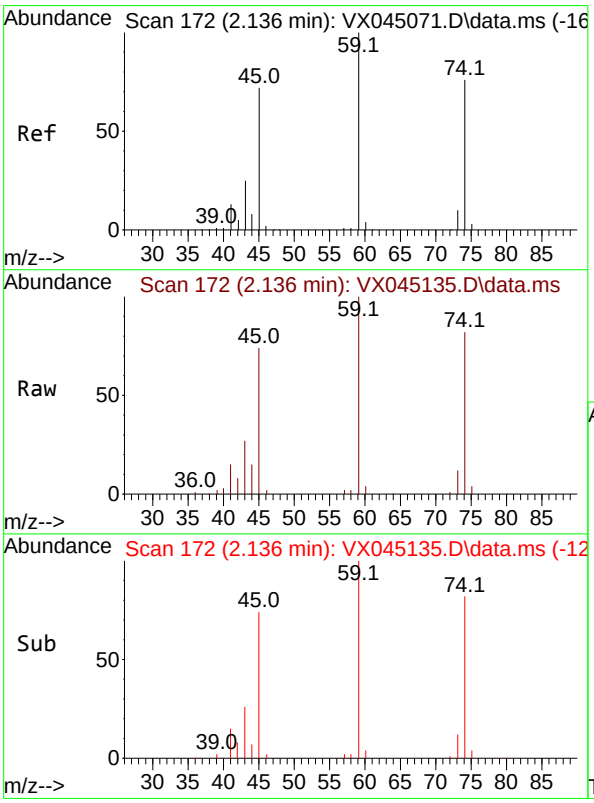
Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

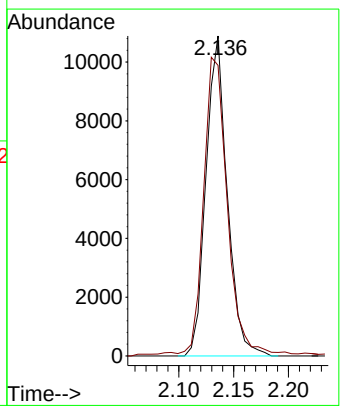


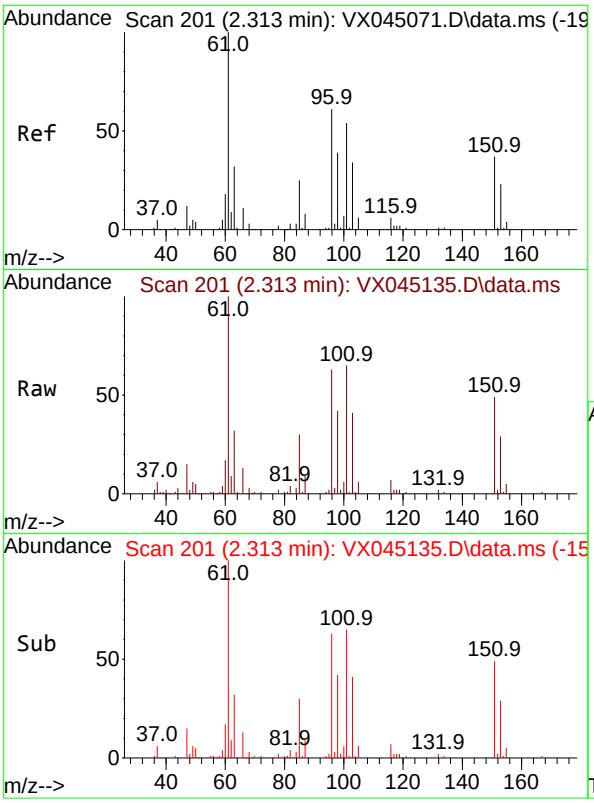


#8
Diethyl Ether
Concen: 17.775 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 74 Resp: 14681

Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.277 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:101 Resp: 2460

Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.2	54.4
151	74.1	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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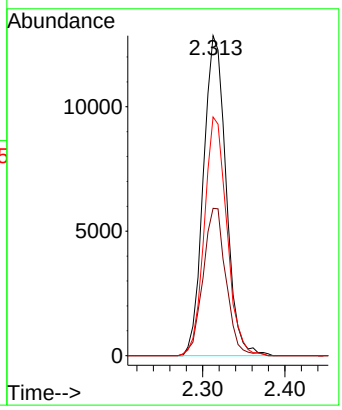
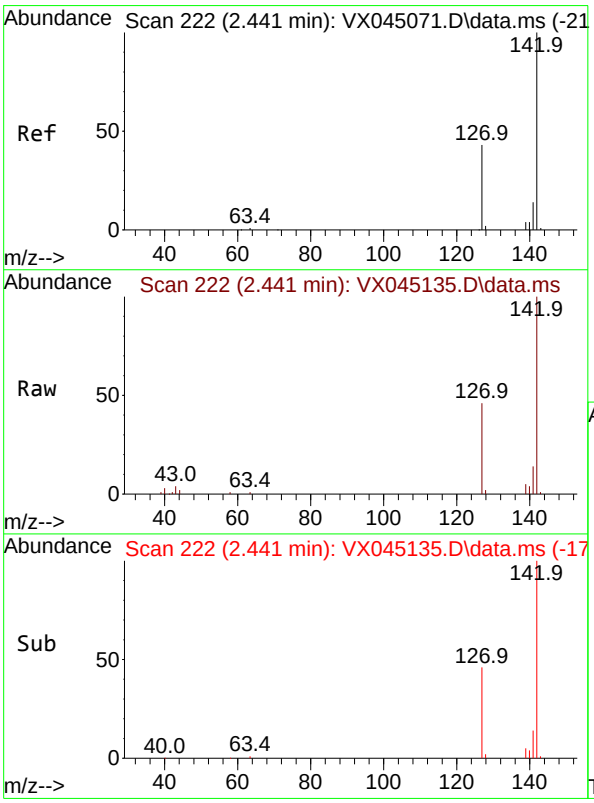
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

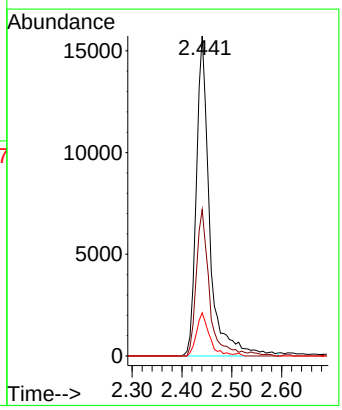


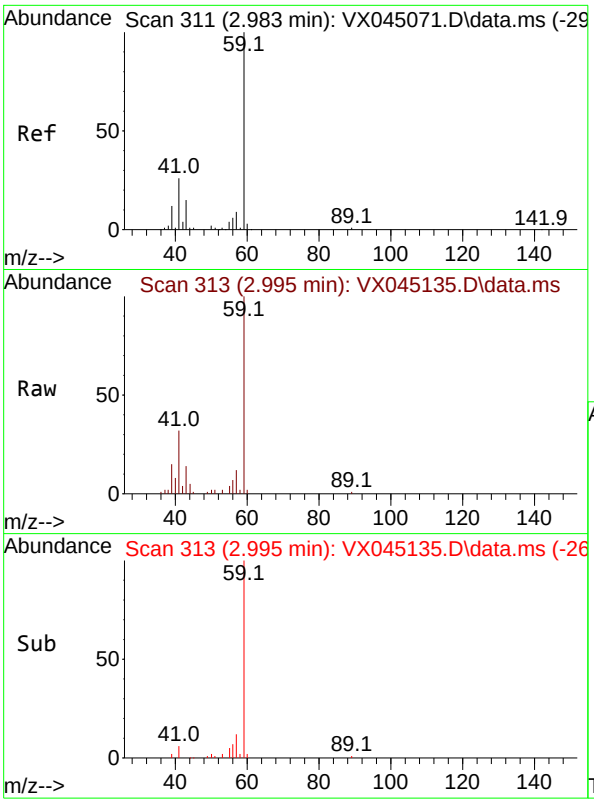


#10
Methyl Iodide
Concen: 19.388 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:142 Resp: 29395

Ion	Ratio	Lower	Upper
142	100		
127	44.5	35.4	53.2
141	13.0	11.6	17.4





#11
Tert butyl alcohol
Concen: 80.226 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 59 Resp: 2523

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
APPROVED

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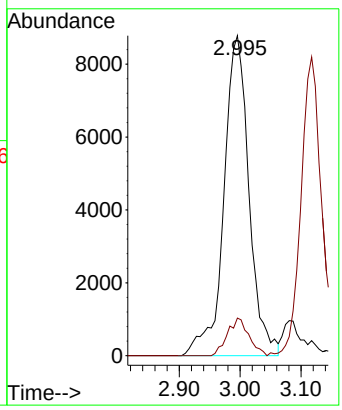
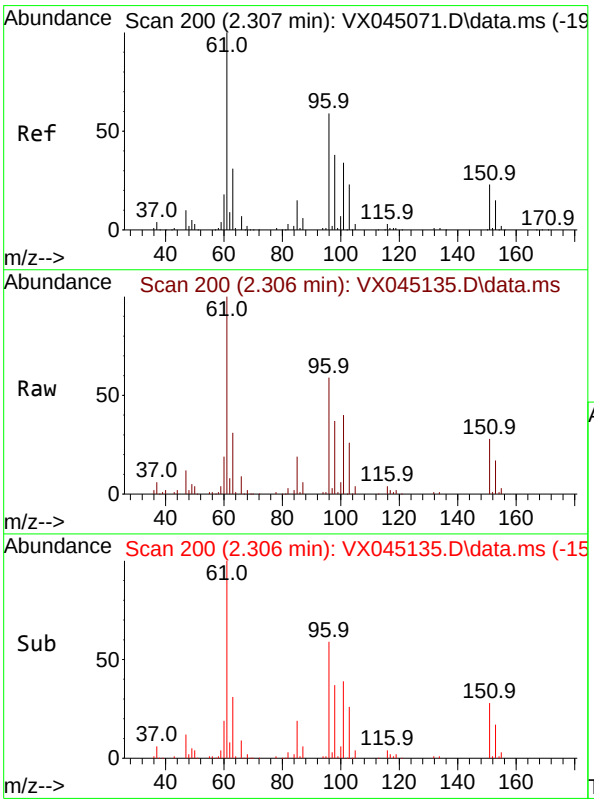
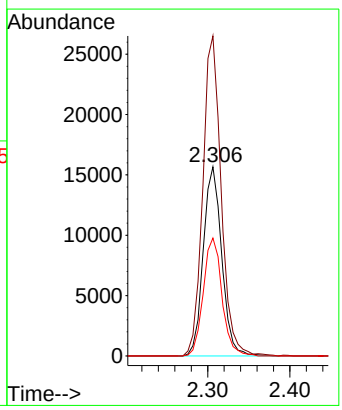


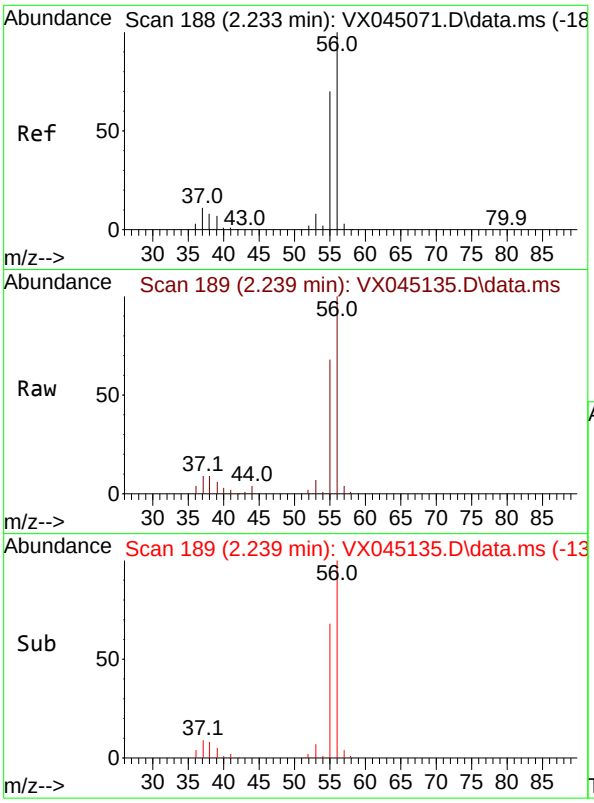


#12
1,1-Dichloroethene
Concen: 19.085 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 96 Resp: 24479

Ion	Ratio	Lower	Upper
96	100		
61	169.2	134.6	202.0
98	62.4	51.0	76.6

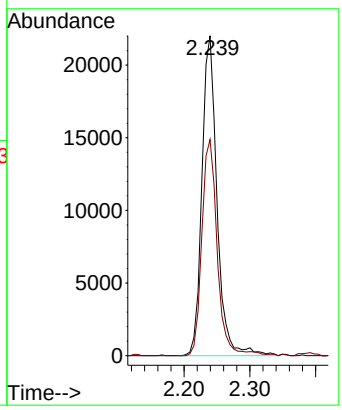




#13
Acrolein
Concen: 96.877 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 56 Resp: 3522

Ion	Ratio	Lower	Upper
56	100		
55	68.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/06/2025
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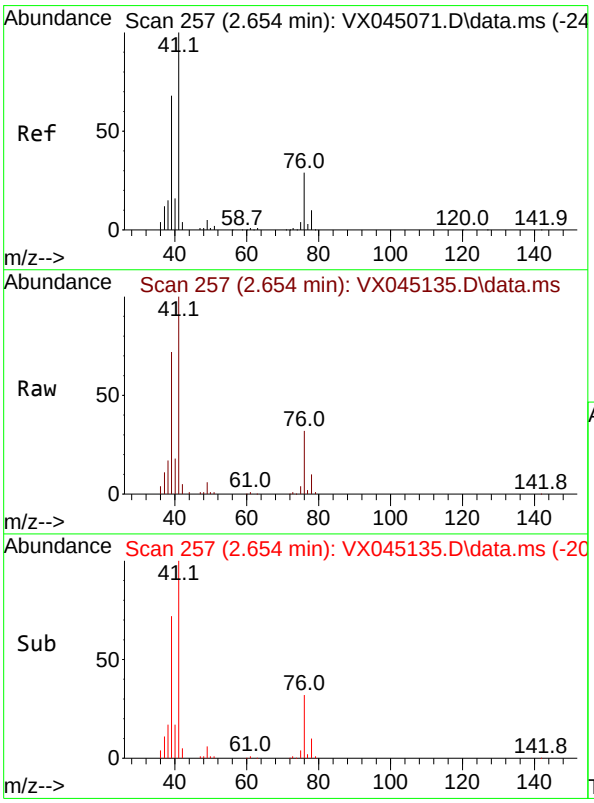
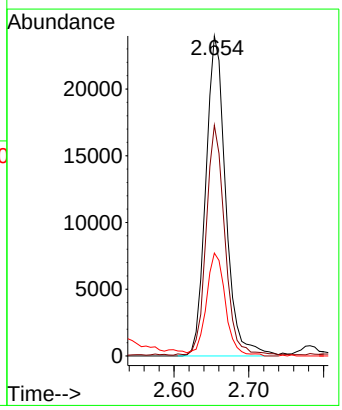
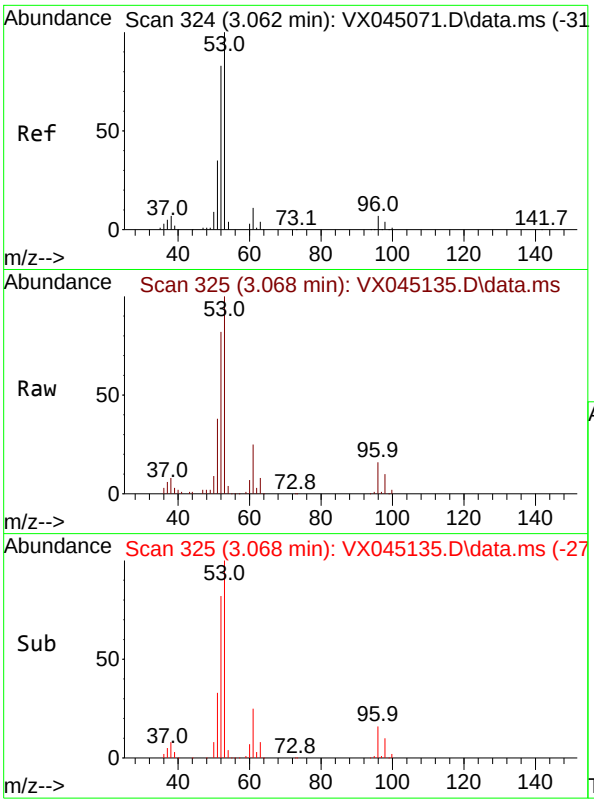


#14
Allyl chloride
Concen: 19.463 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 41 Resp: 44437

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	30.9	25.2	37.8

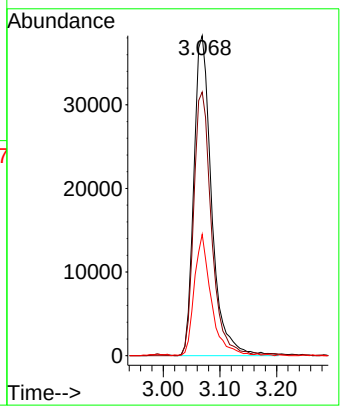




#15
Acrylonitrile
Concen: 99.228 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 53 Resp: 8363

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	36.2	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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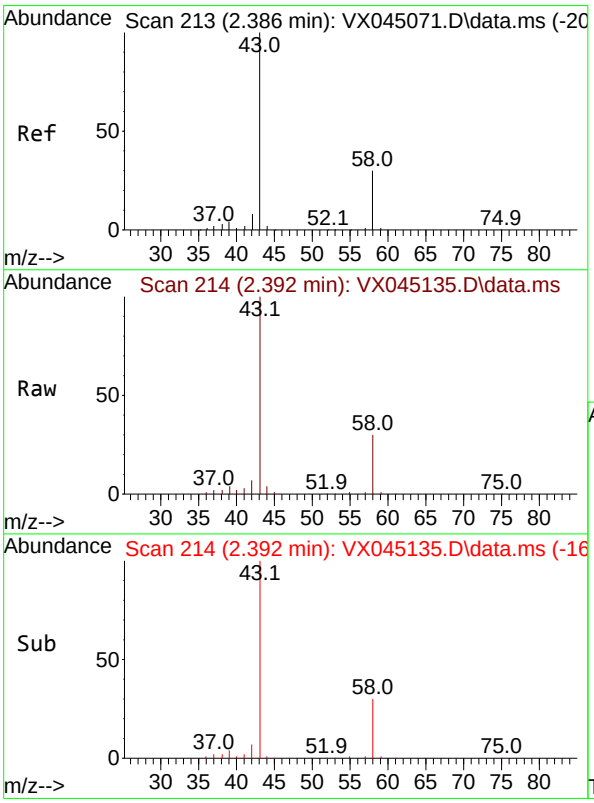
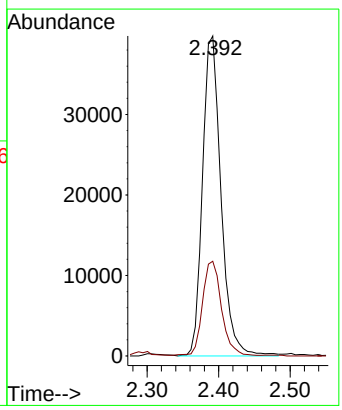
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

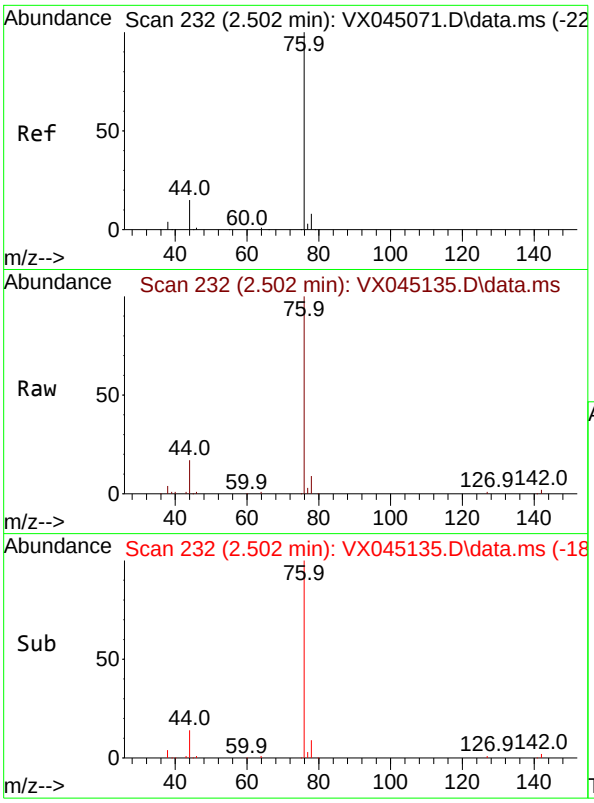


#16
Acetone
Concen: 92.750 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 43 Resp: 71451

Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.2	36.4





#17
Carbon Disulfide
Concen: 15.902 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 76 Resp: 5432

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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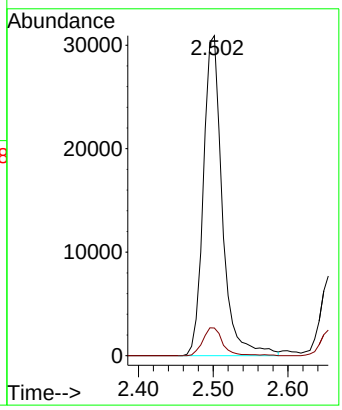
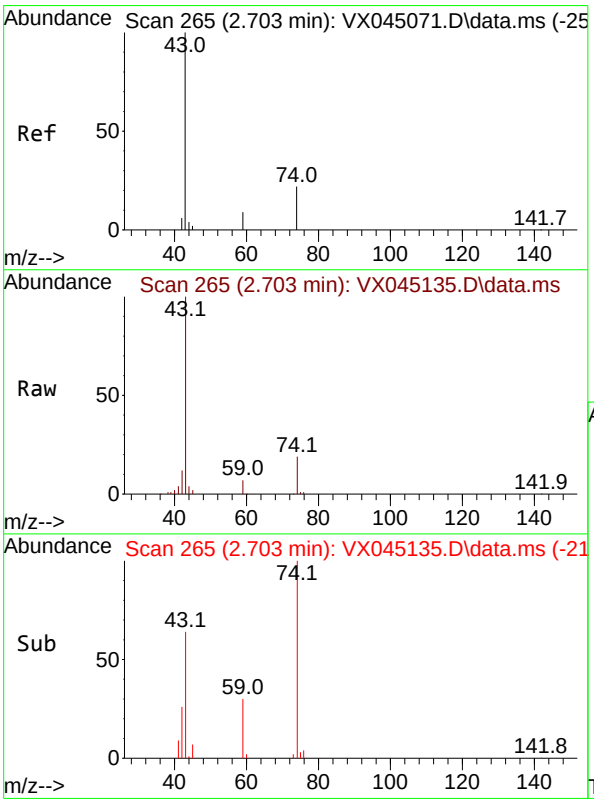
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

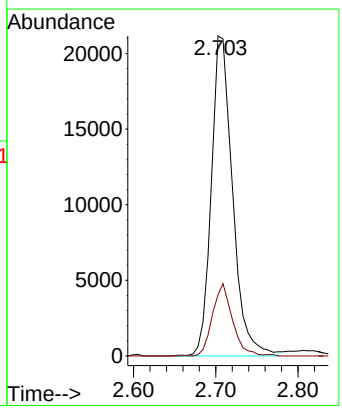


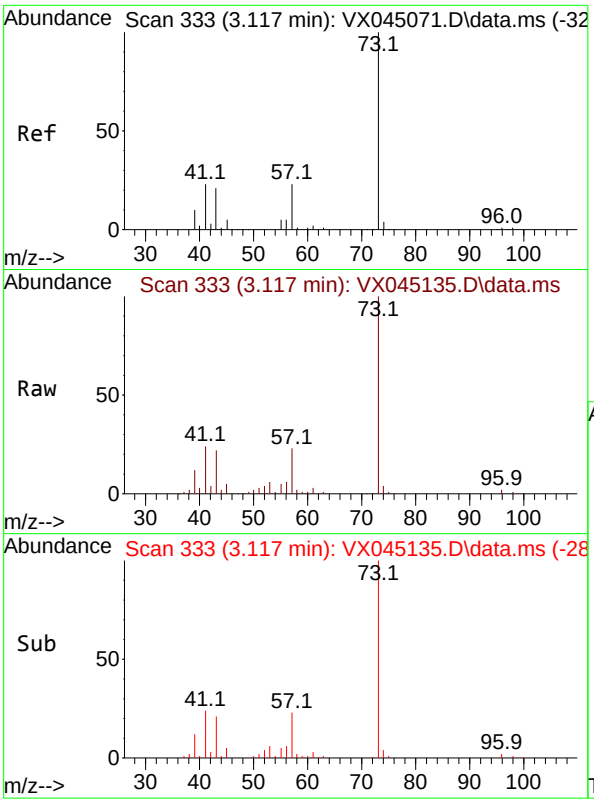


#18
Methyl Acetate
Concen: 20.585 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 43 Resp: 38148

Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.4	26.2

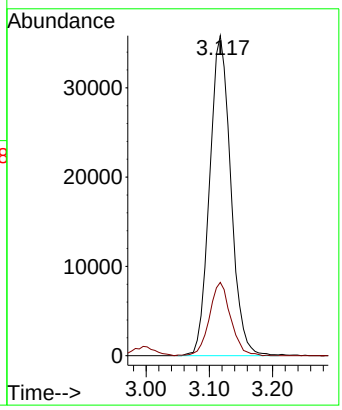




#19
Methyl tert-butyl Ether
Concen: 19.331 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 73 Resp: 8318

Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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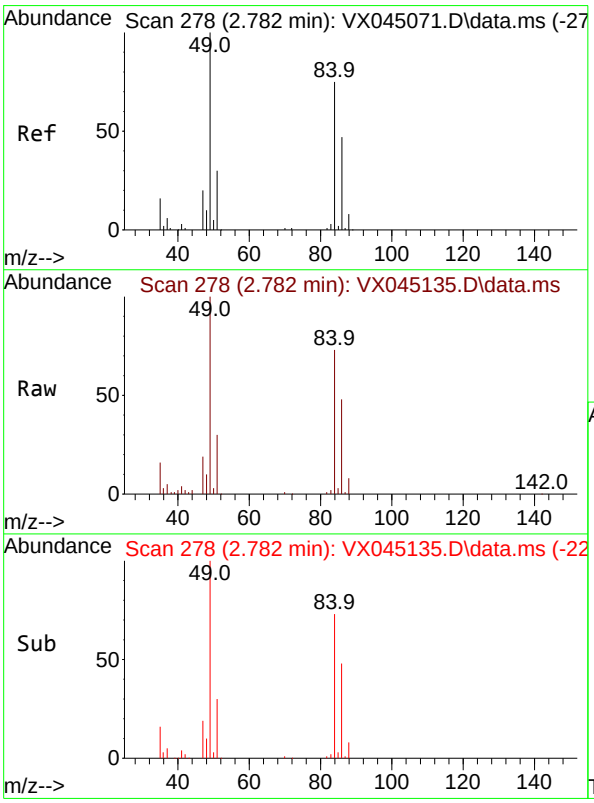
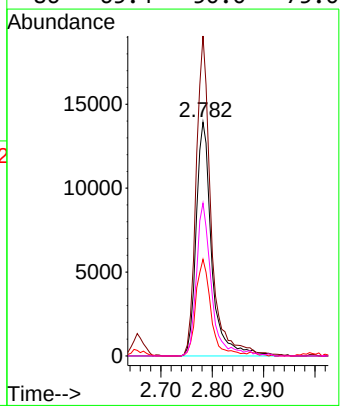
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

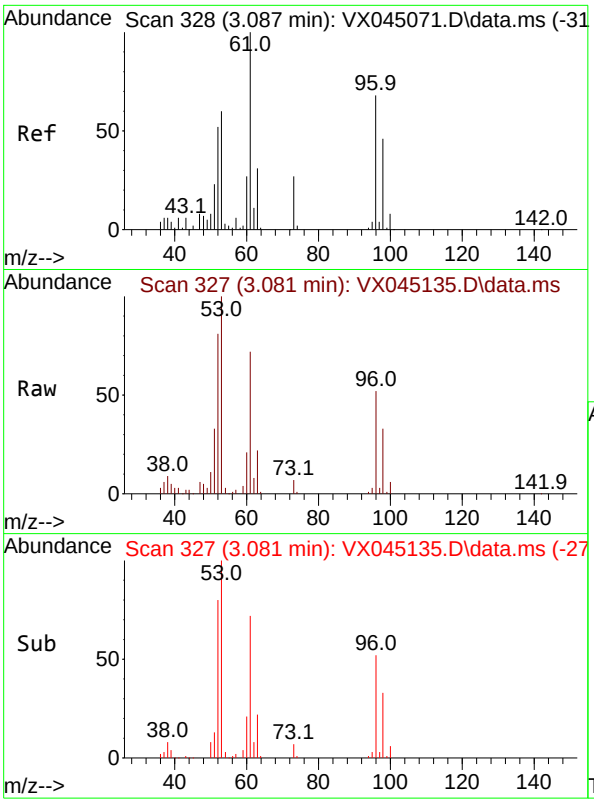


#20
Methylene Chloride
Concen: 19.125 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 84 Resp: 29184

Ion	Ratio	Lower	Upper
84	100		
49	136.9	106.5	159.7
51	41.4	32.1	48.1
86	65.4	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 19.888 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 96 Resp: 2520

Ion	Ratio	Lower	Upper
96	100		
61	139.5	117.0	175.4
98	63.1	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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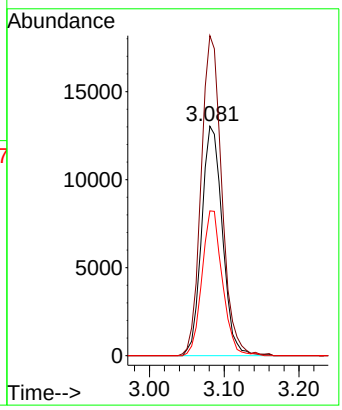
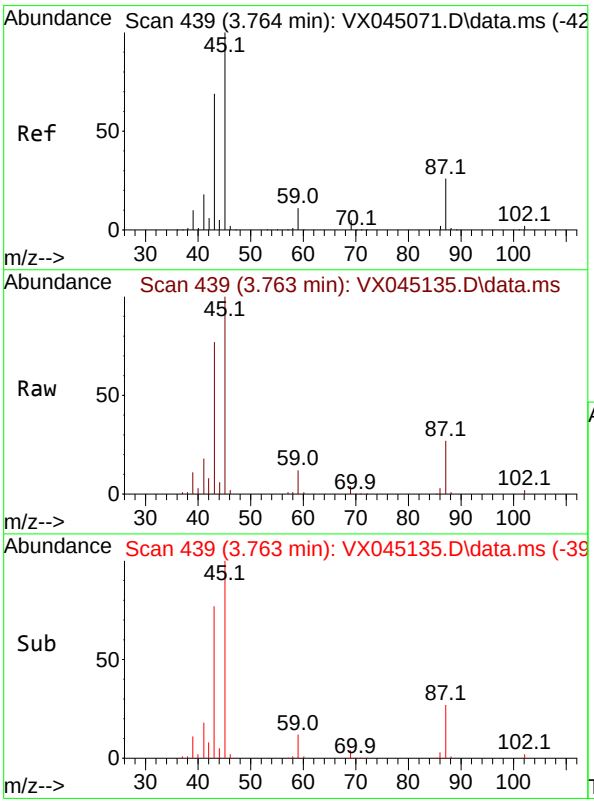
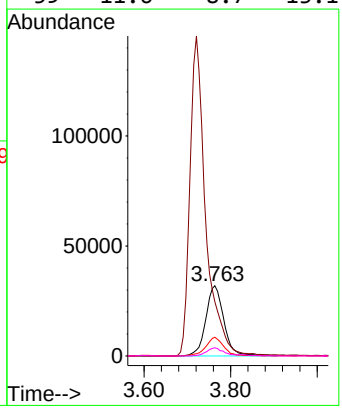


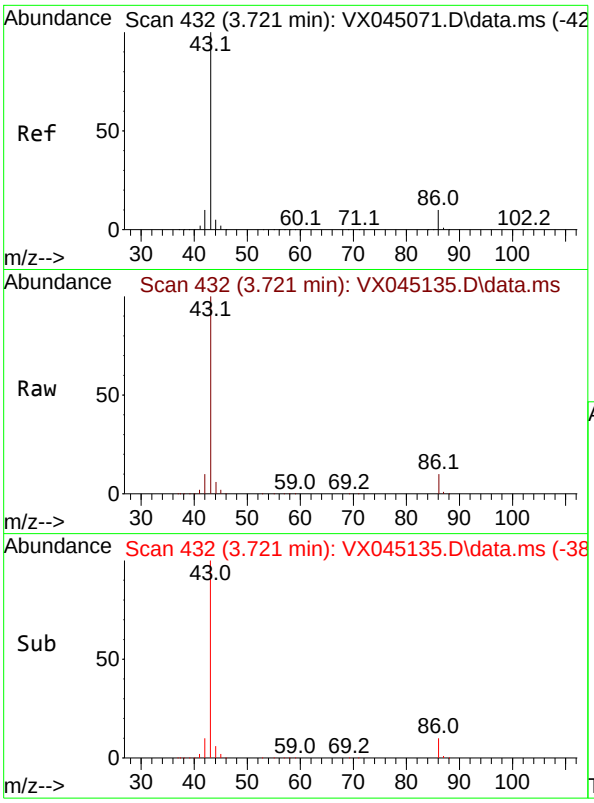


#22
Diisopropyl ether
Concen: 19.879 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 45 Resp: 92306

Ion	Ratio	Lower	Upper
45	100		
43	76.2	54.9	82.3
87	26.6	21.0	31.4
59	11.6	8.7	13.1





#23
Vinyl Acetate
Concen: 95.265 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 43 Resp: 36915

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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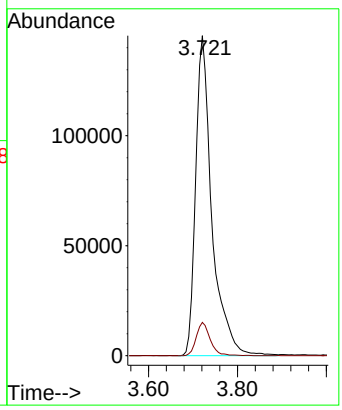
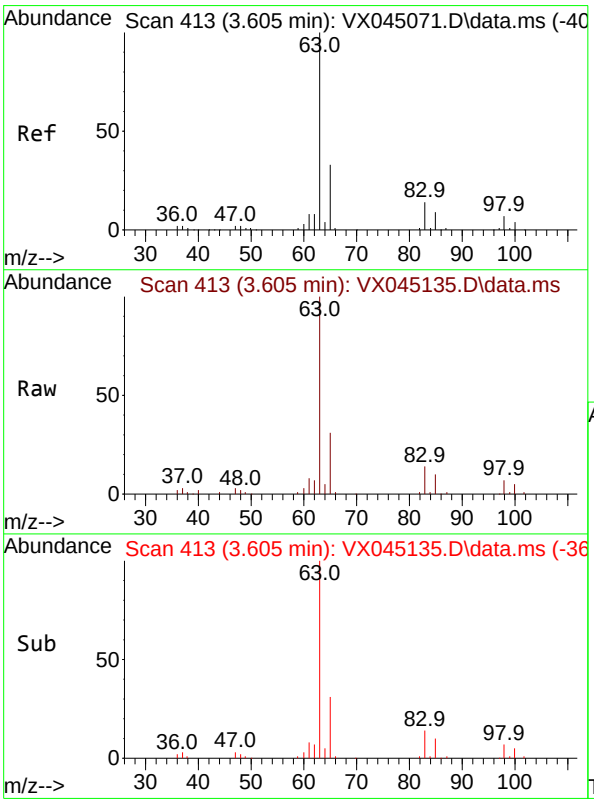
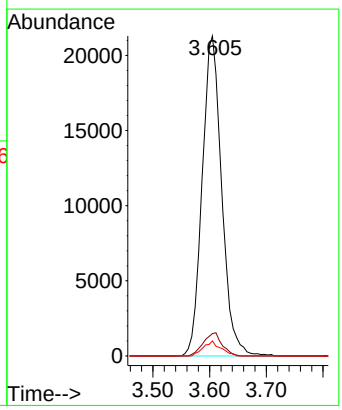


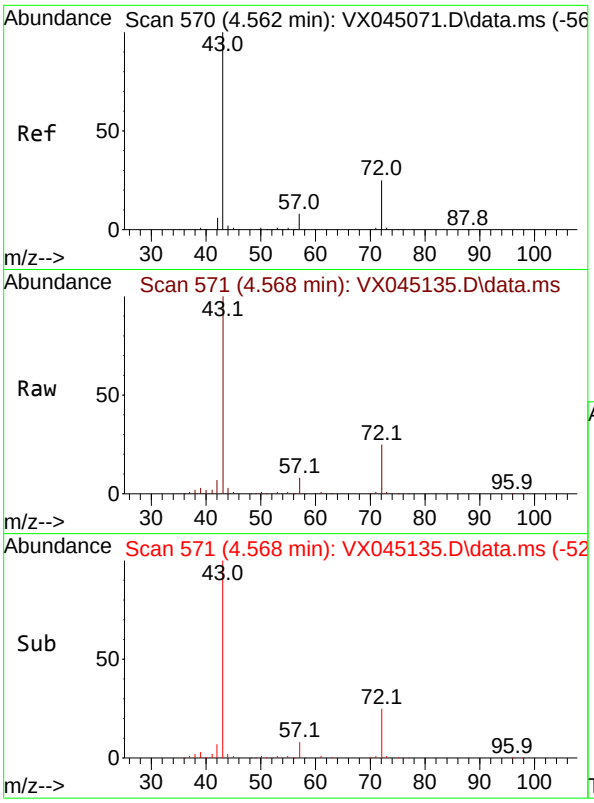


#24
1,1-Dichloroethane
Concen: 19.555 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 63 Resp: 50888

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.7	2.1	6.5





#25
2-Butanone
Concen: 100.642 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 43 Resp: 11670

Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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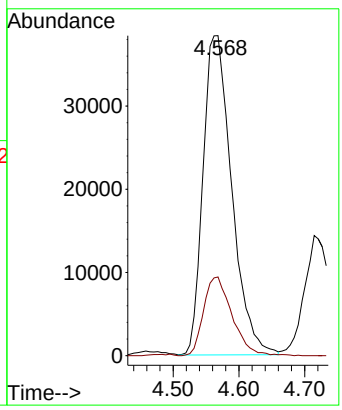
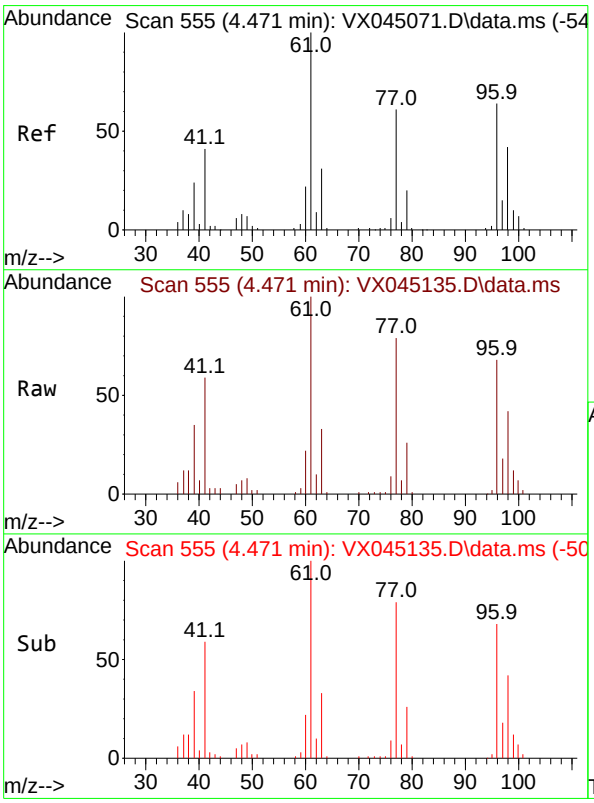
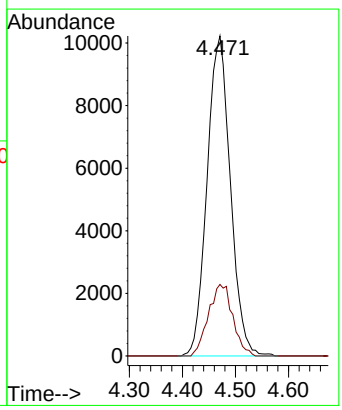


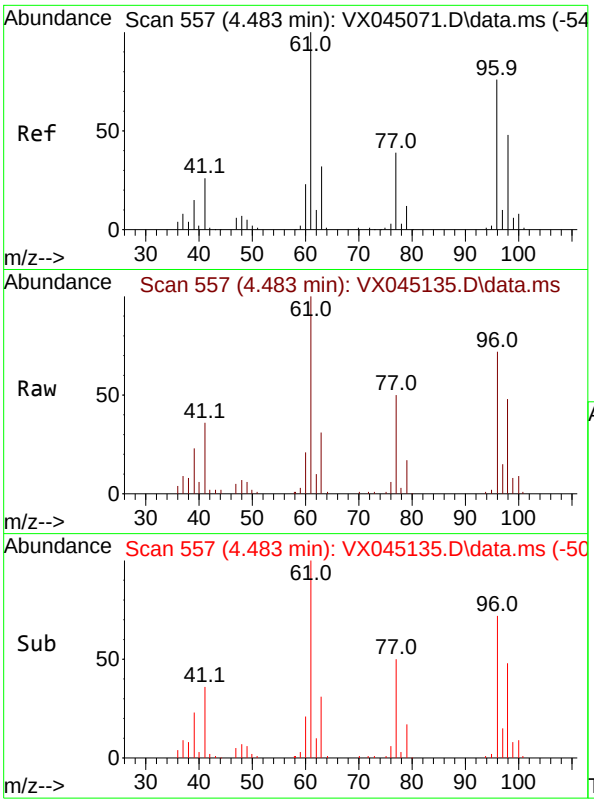


#26
2,2-Dichloropropane
Concen: 25.544 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 77 Resp: 31179

Ion	Ratio	Lower	Upper
77	100		
97	23.4	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 19.653 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 96 Resp: 3074

Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	283.2
98	63.8	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/06/2025
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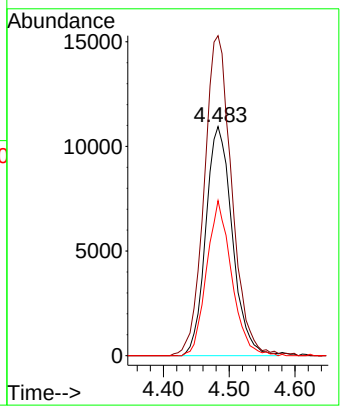
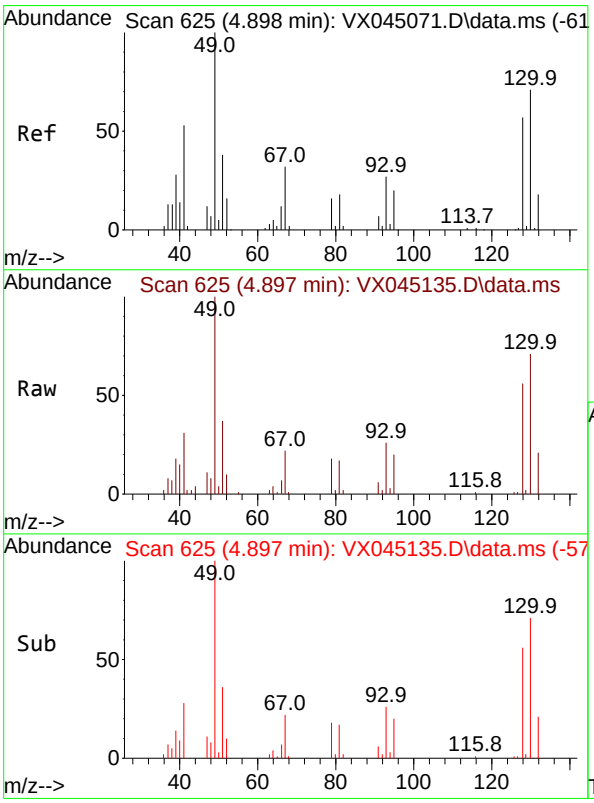
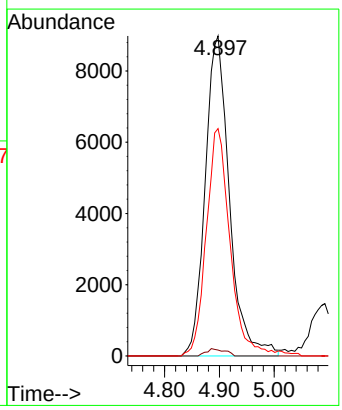


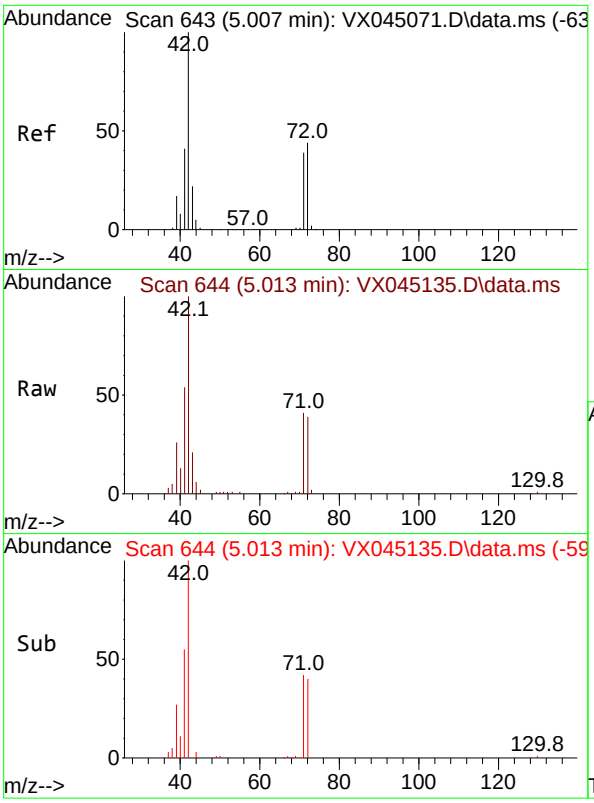


#28
Bromochloromethane
Concen: 22.228 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 49 Resp: 27571

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	70.2	56.1	84.1





#29
Tetrahydrofuran
Concen: 99.394 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 42 Resp: 7740

Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	38.8	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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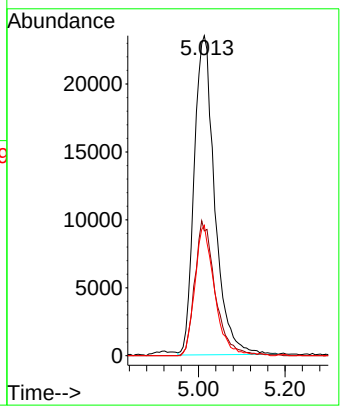
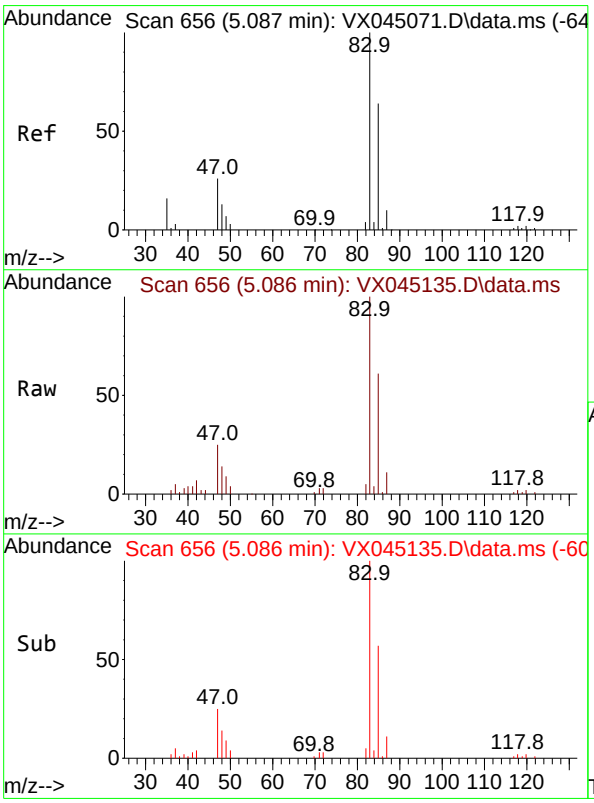
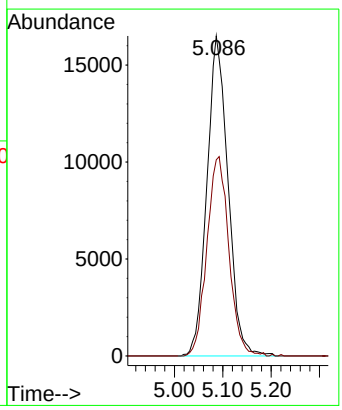


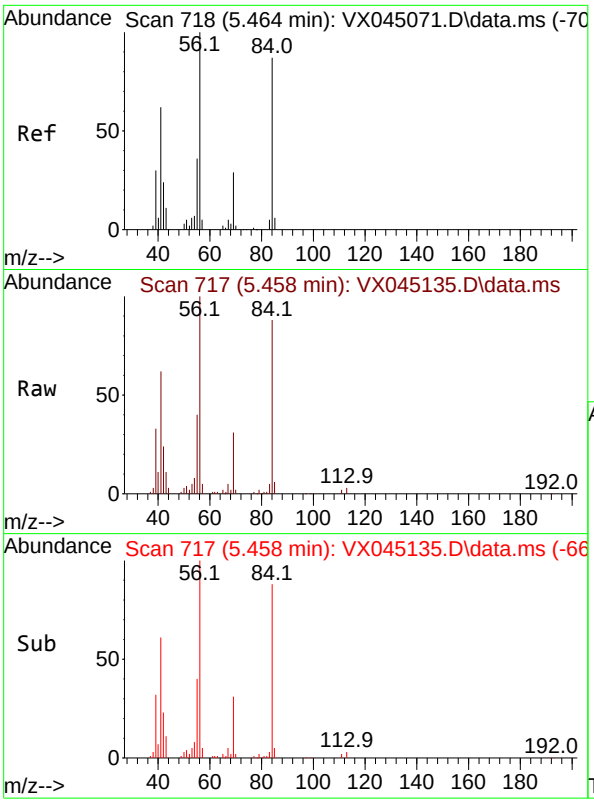


#30
Chloroform
Concen: 19.317 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 83 Resp: 49949

Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.4	77.2





#31
Cyclohexane
Concen: 19.881 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 56 Resp: 4491

Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.4	35.2
84	86.6	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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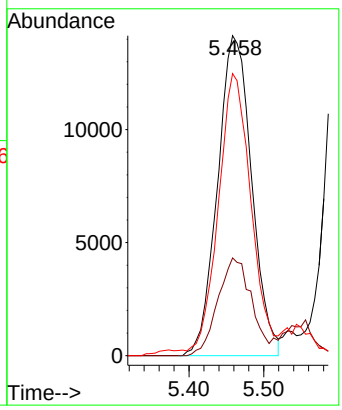
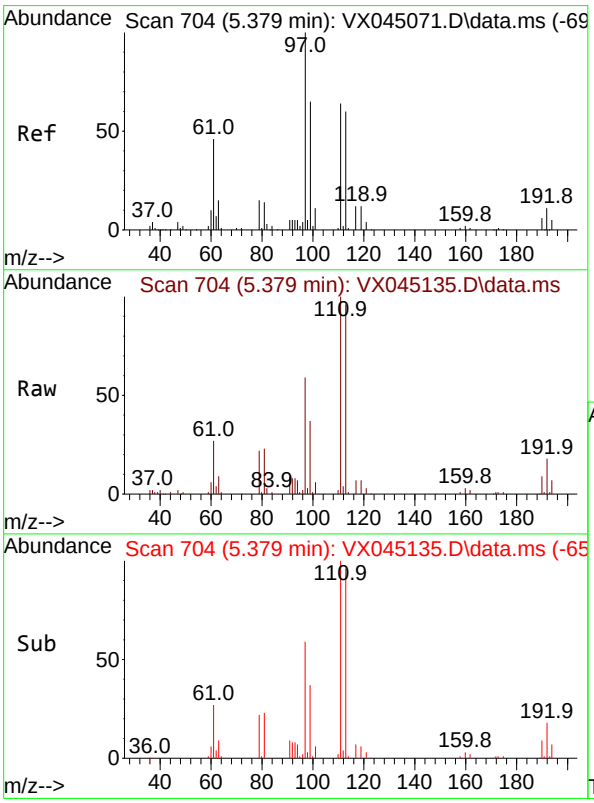
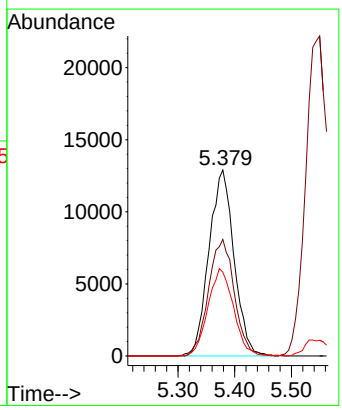


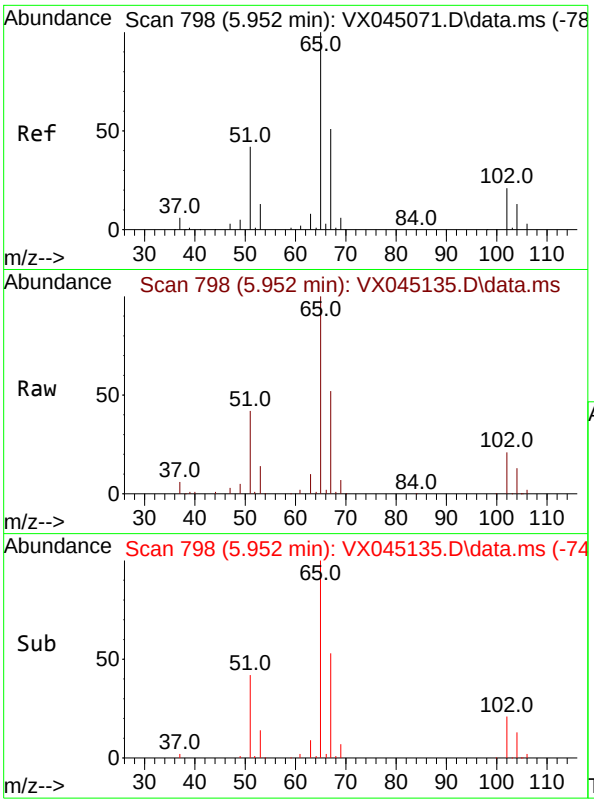


#32
1,1,1-Trichloroethane
Concen: 18.965 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 97 Resp: 39605

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	47.6	38.4	57.6





#33
1,2-Dichloroethane-d4
Concen: 49.285 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 65 Resp: 8183

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	106.2

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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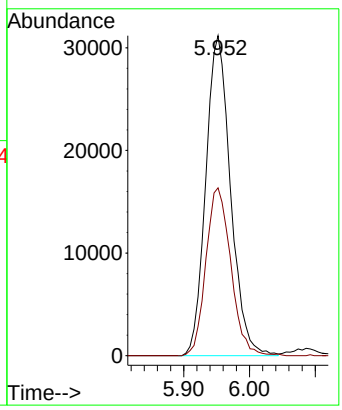
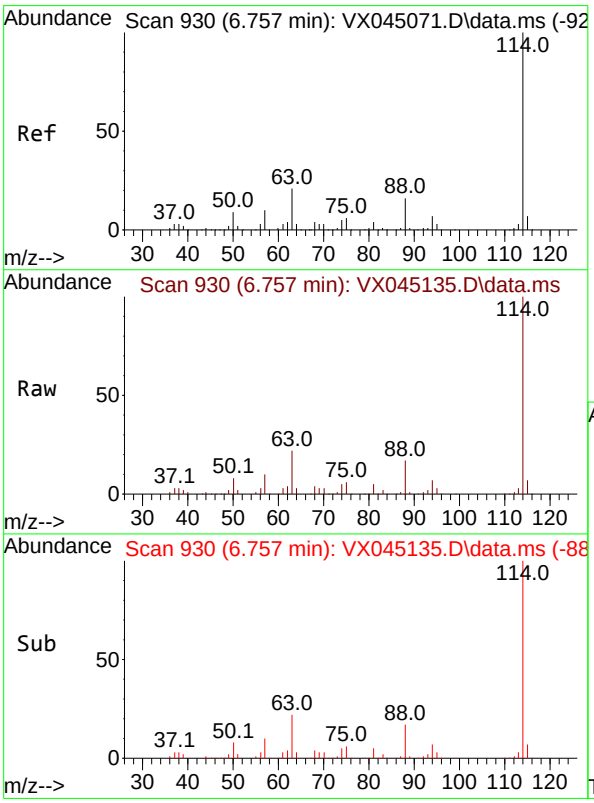
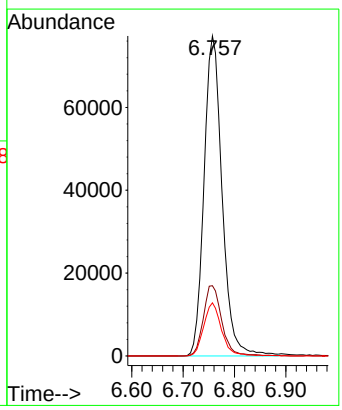


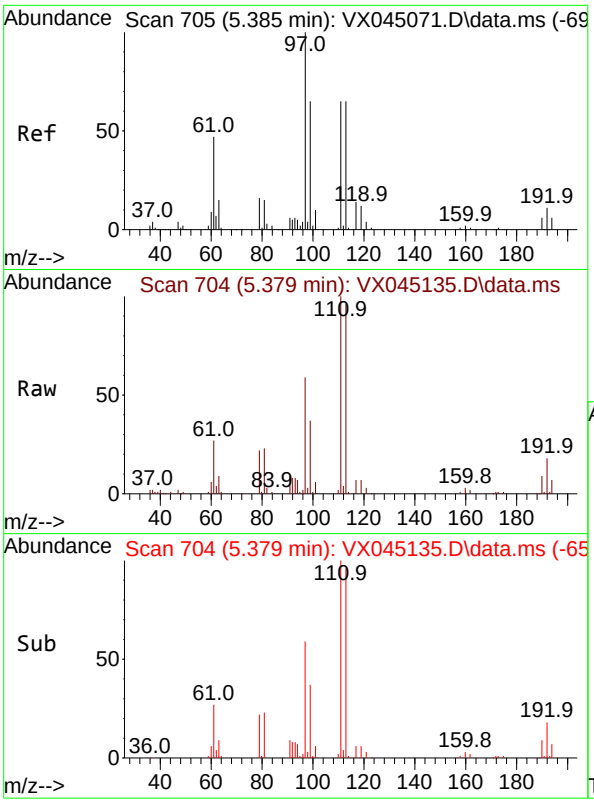


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:114 Resp: 188951

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.8
88	16.6	0.0	32.8

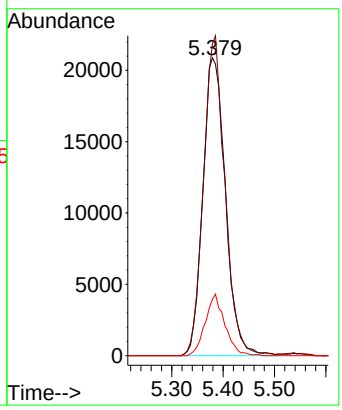




#35
Dibromofluoromethane
Concen: 50.553 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:113 Resp: 6387

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	17.9	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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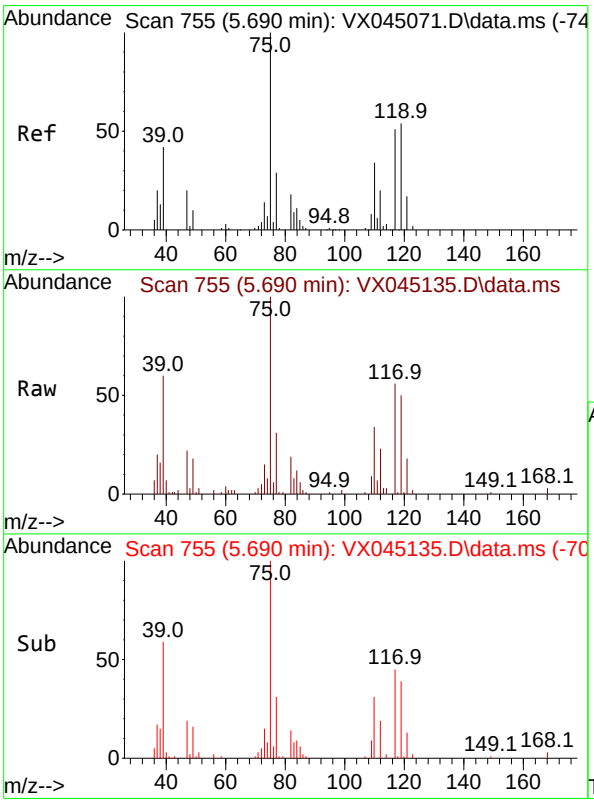
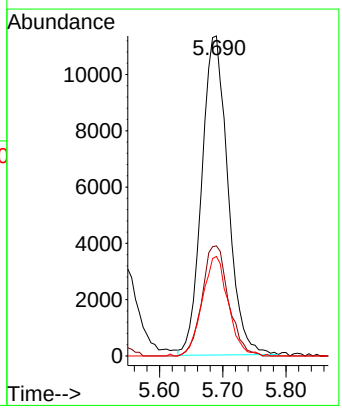
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

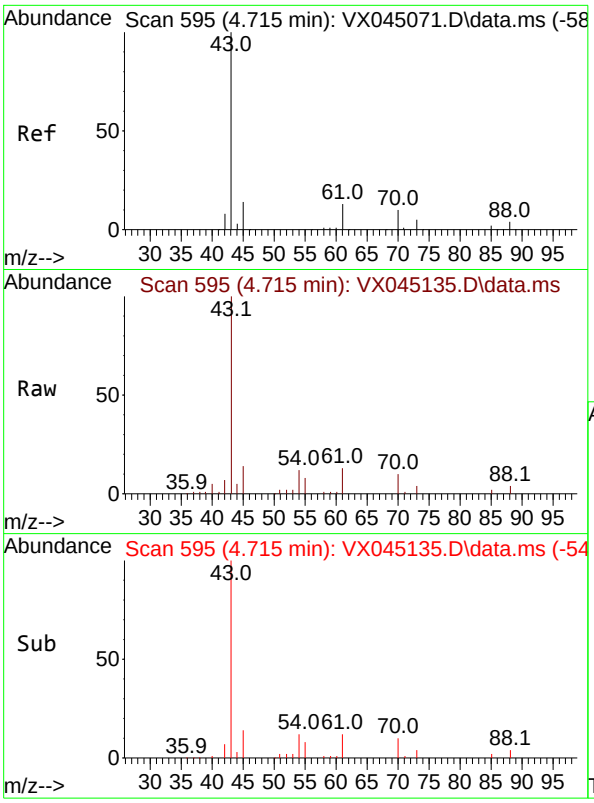


#36
1,1-Dichloropropene
Concen: 18.797 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 75 Resp: 32570

Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.9	50.6
77	31.0	24.5	36.7





#37
Ethyl Acetate
Concen: 19.487 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 43 Resp: 4350

Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.8	16.2
70	8.7	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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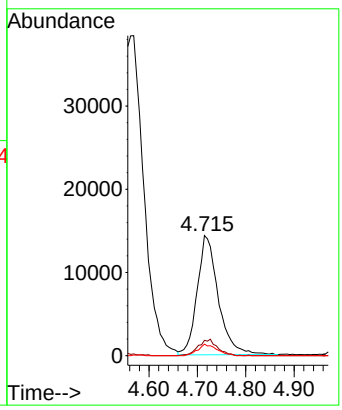
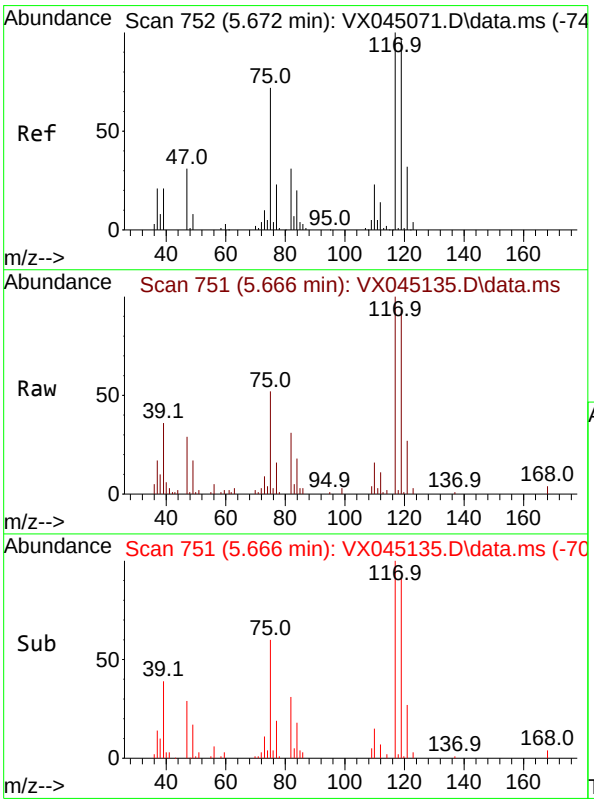
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

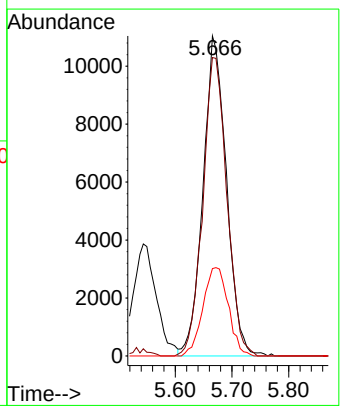


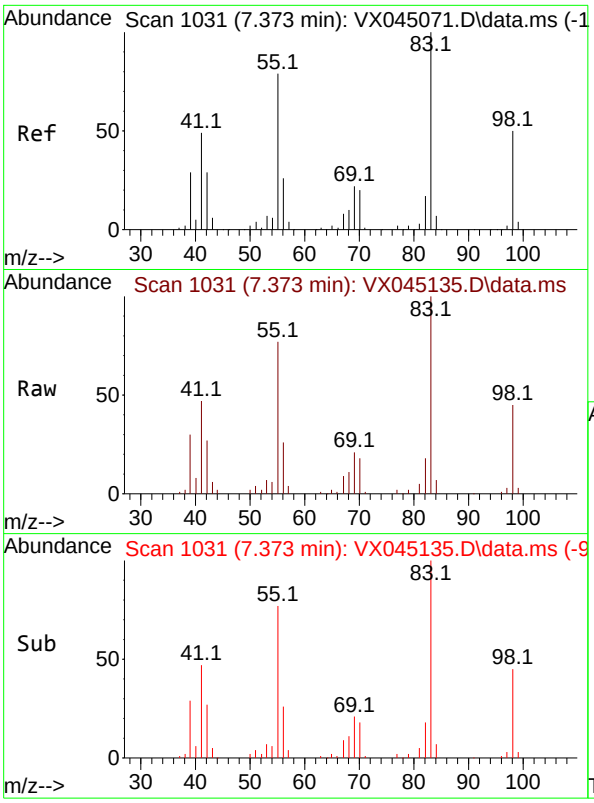


#38
Carbon Tetrachloride
Concen: 18.053 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:117 Resp: 31758

Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.7	115.1
121	27.3	25.5	38.3





#39
Methylcyclohexane
Concen: 21.114 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 83 Resp: 4383

Ion	Ratio	Lower	Upper
83	100		
55	77.4	63.0	94.4
98	45.0	39.7	59.5

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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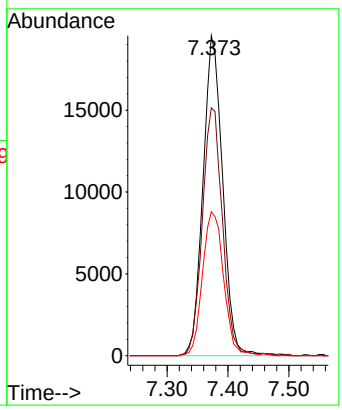
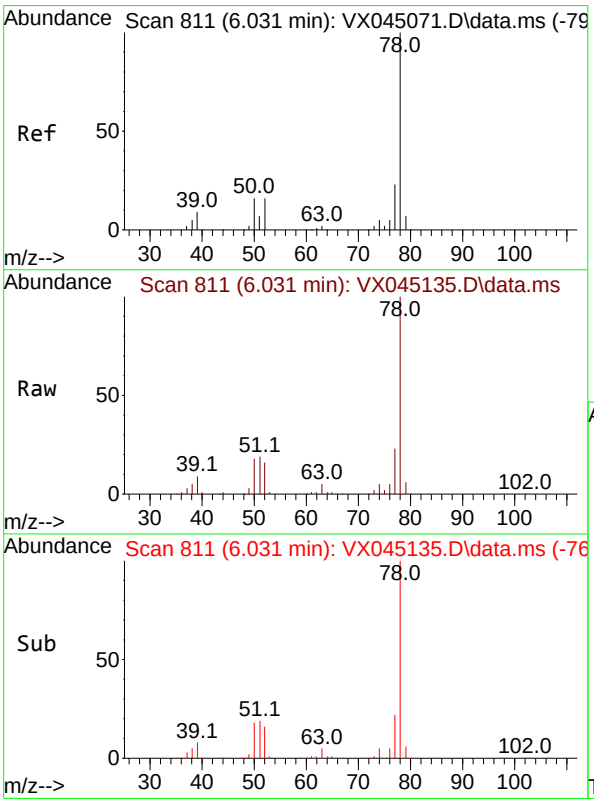
Supervised By :Mahesh Dadoda 03/06/2025

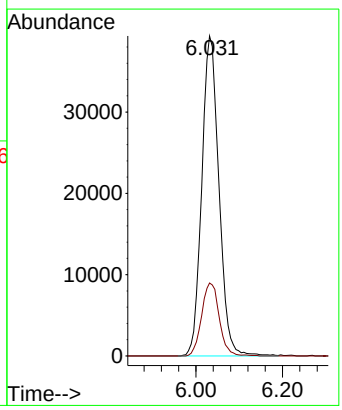


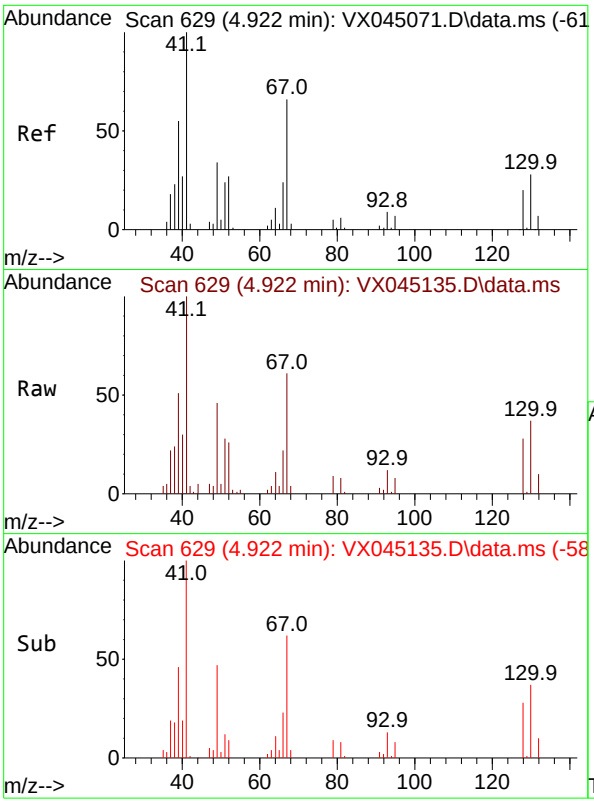


#40
Benzene
Concen: 19.776 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 78 Resp: 108204

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2

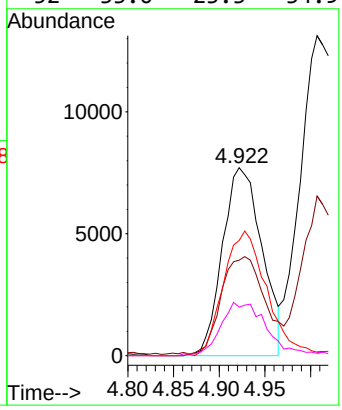




#41
Methacrylonitrile
Concen: 19.233 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 41 Resp: 2321

Ion	Ratio	Lower	Upper
41	100		
39	58.0	44.6	67.0
67	73.4	53.9	80.9
52	33.0	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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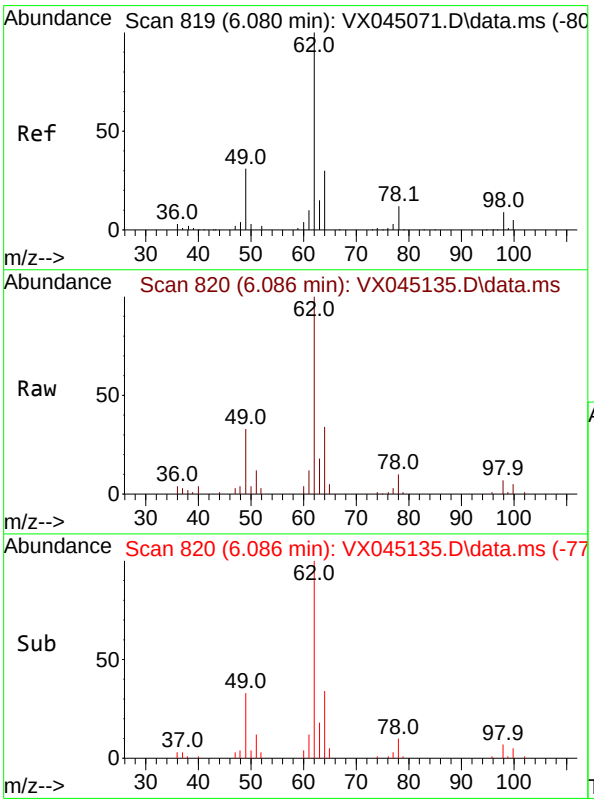
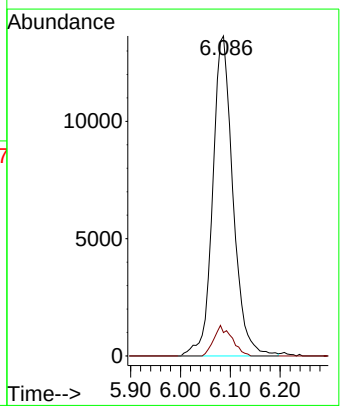
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

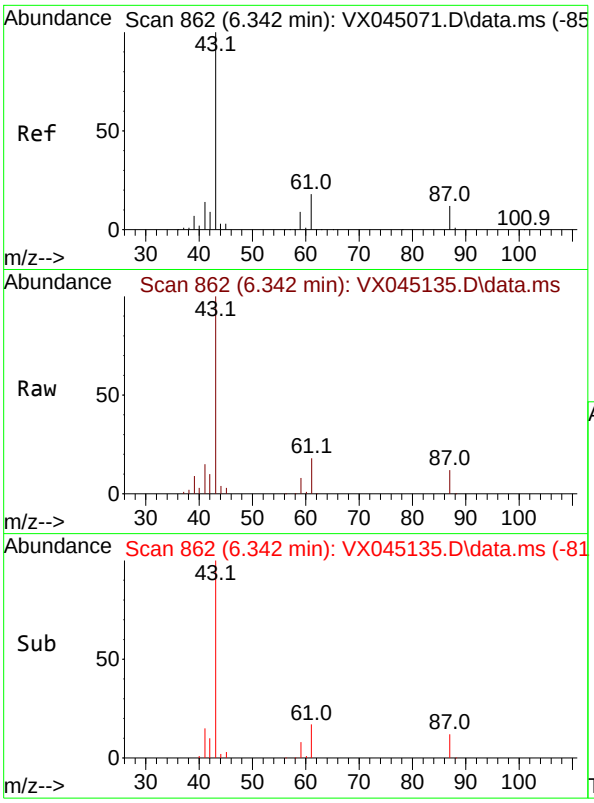


#42
1,2-Dichloroethane
Concen: 19.573 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 62 Resp: 38564

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2





#43
Isopropyl Acetate
Concen: 19.228 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 43 Resp: 6348

Ion	Ratio	Lower	Upper
43	100		
61	18.8	14.9	22.3
87	11.7	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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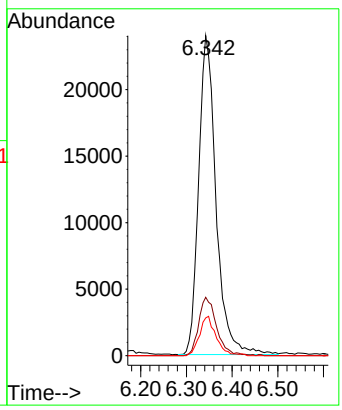
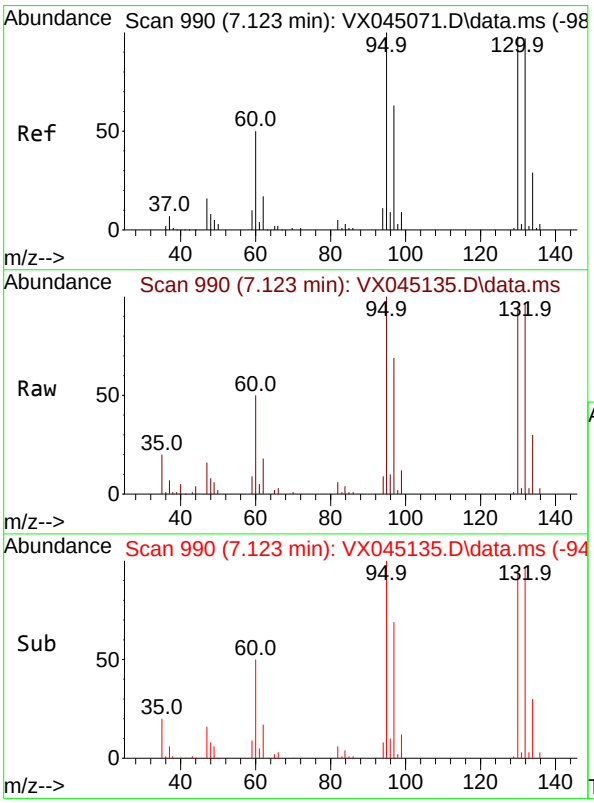
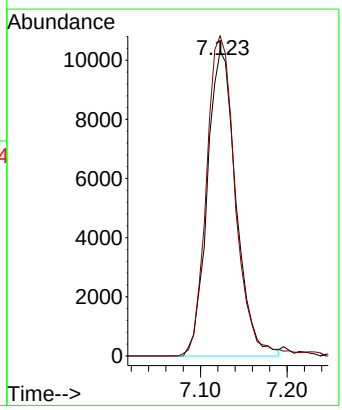


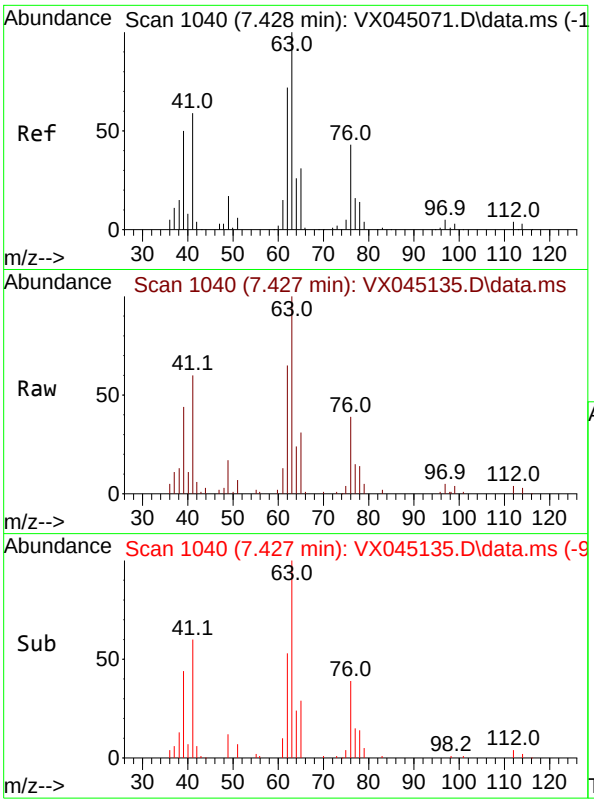


#44
Trichloroethene
Concen: 18.515 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:130 Resp: 23788

Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	205.0





#45
1,2-Dichloropropane
Concen: 19.408 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 63 Resp: 2730

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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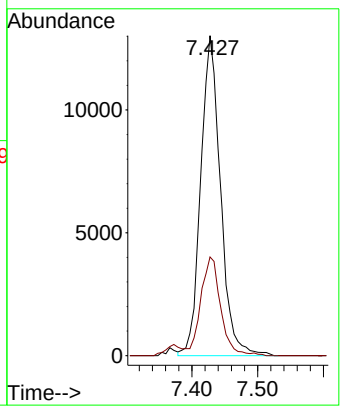
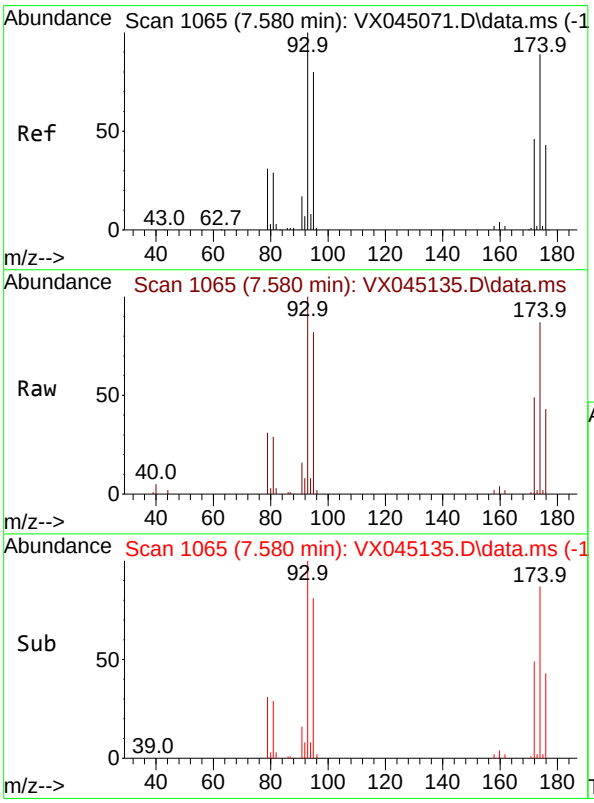
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

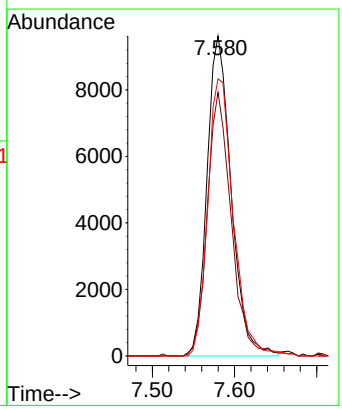


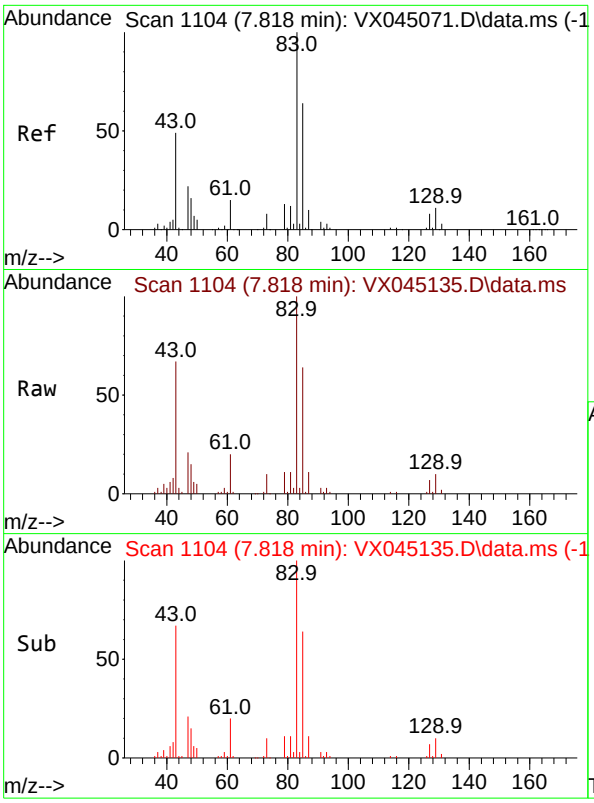


#46
Dibromomethane
Concen: 19.744 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 93 Resp: 19632

Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.8	98.8
174	91.5	72.2	108.2

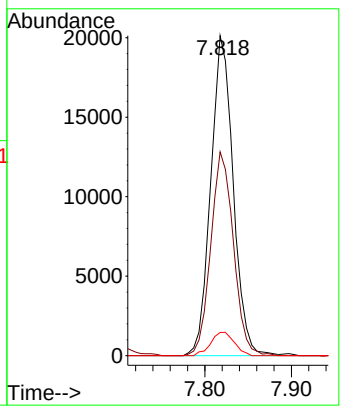




#47
Bromodichloromethane
Concen: 18.572 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 83 Resp: 3622

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	7.2	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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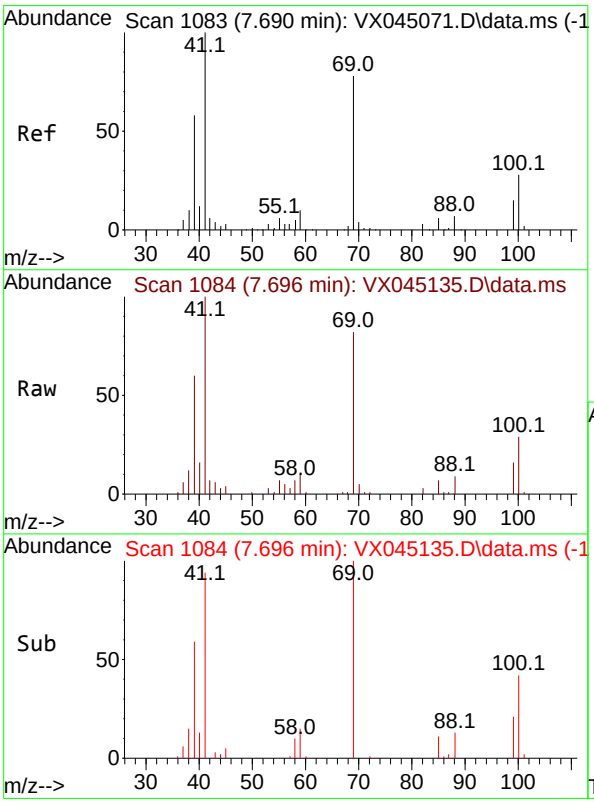
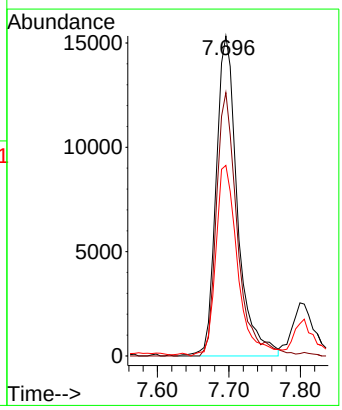
Supervised By :Mahesh Dadoda 03/06/2025

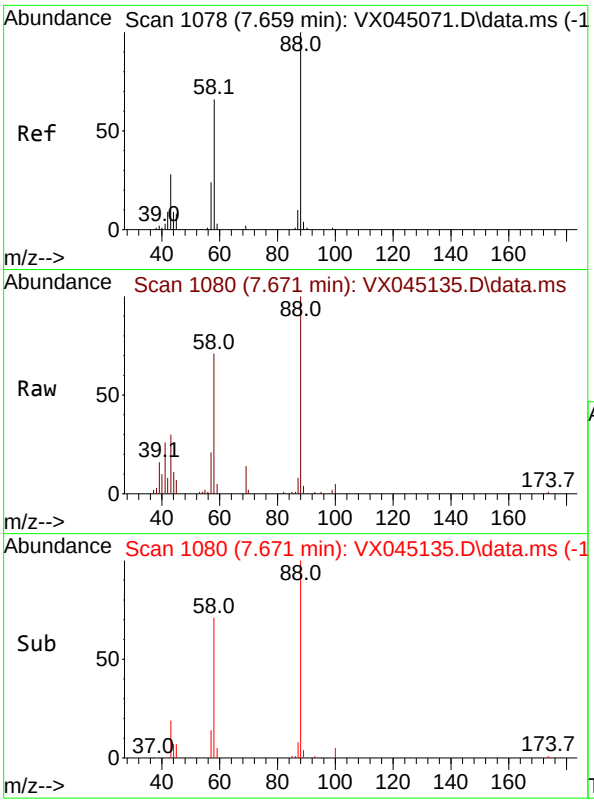


#48
Methyl methacrylate
Concen: 19.189 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 41 Resp: 31784

Ion	Ratio	Lower	Upper
41	100		
69	80.4	63.0	94.6
39	61.3	47.5	71.3





#49
1,4-Dioxane
Concen: 412.289 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 88 Resp: 1440

Ion	Ratio	Lower	Upper
88	100		
43	35.3	28.7	43.1
58	70.4	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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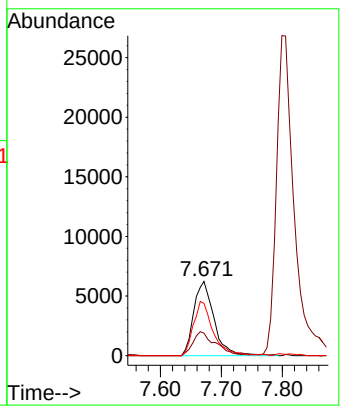
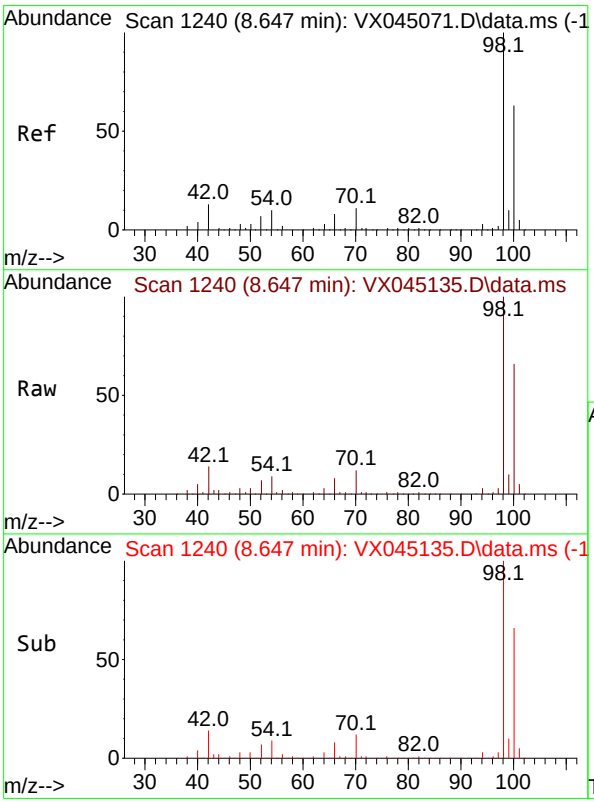
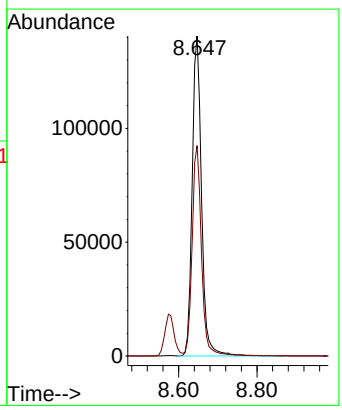


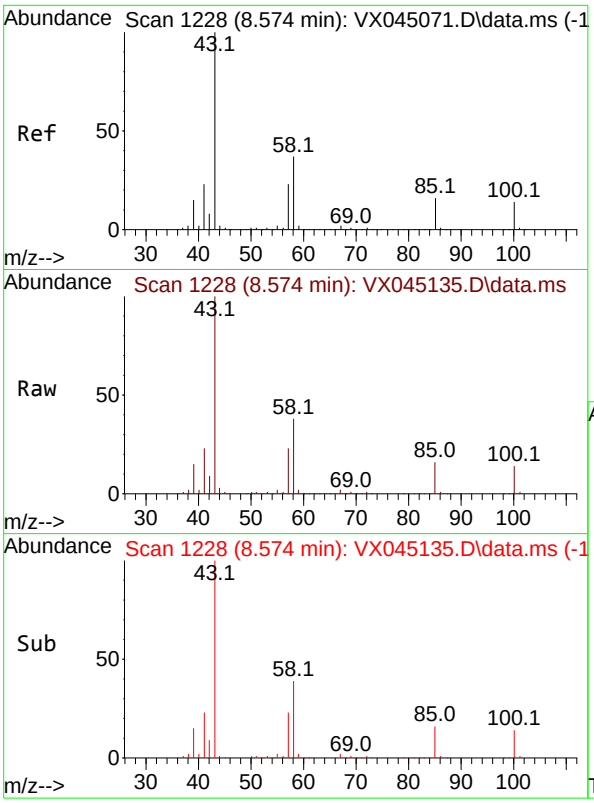


#50
Toluene-d8
Concen: 51.080 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 98 Resp: 233974

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 100.992 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 43 Resp: 22388

Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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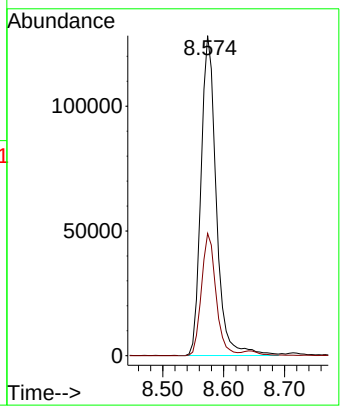
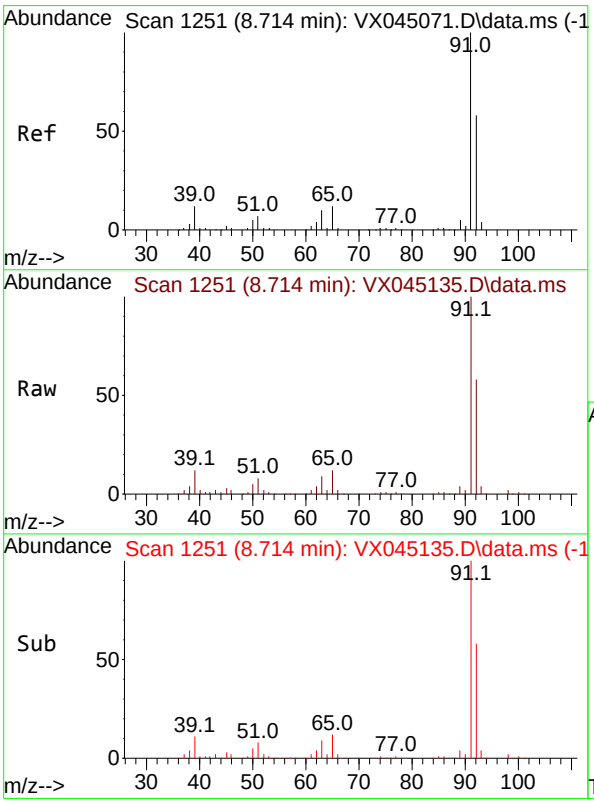
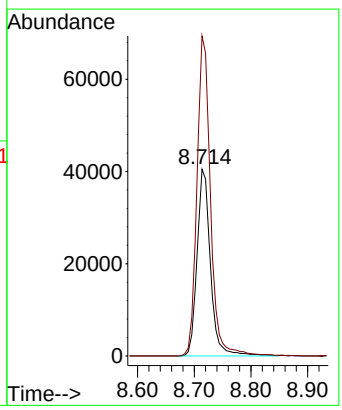


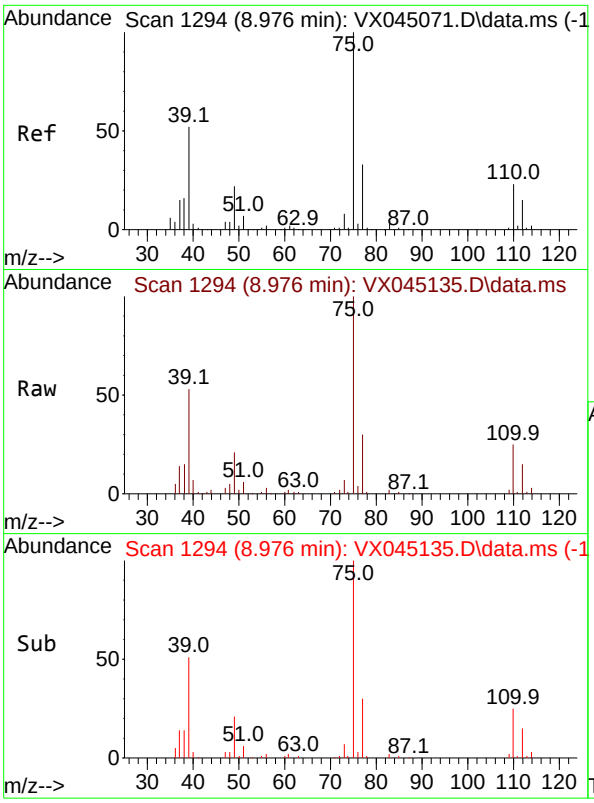


#52
Toluene
Concen: 20.722 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 92 Resp: 66524

Ion	Ratio	Lower	Upper
92	100		
91	173.4	138.9	208.3

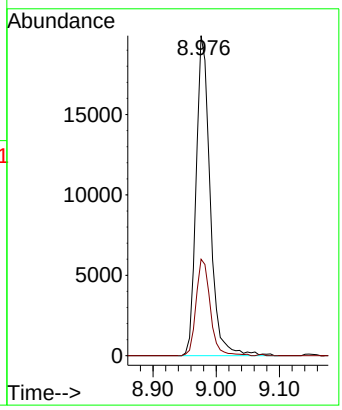




#53
t-1,3-Dichloropropene
Concen: 18.896 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 75 Resp: 3081

Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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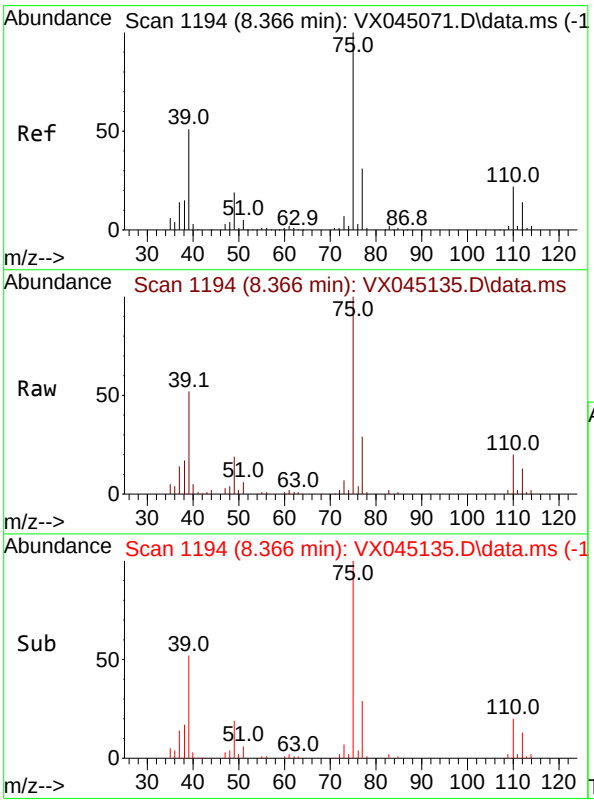
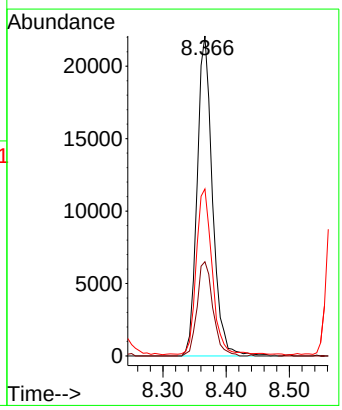
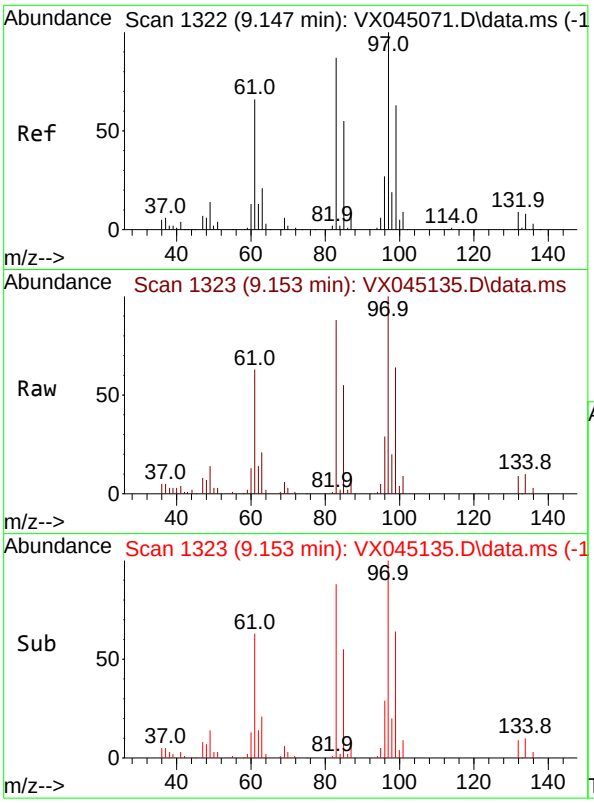


#54
cis-1,3-Dichloropropene
Concen: 19.640 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 75 Resp: 37343

Ion	Ratio	Lower	Upper
75	100		
77	29.5	24.7	37.1
39	51.7	40.7	61.1

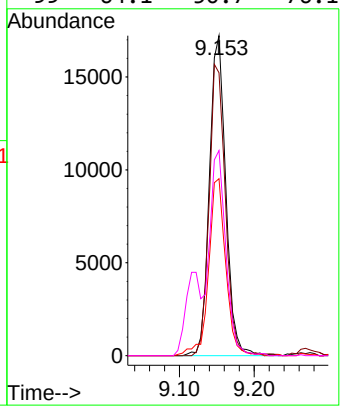




#55
1,1,2-Trichloroethane
Concen: 19.881 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 97 Resp: 2627

Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.4	104.2
85	54.9	44.1	66.1
99	64.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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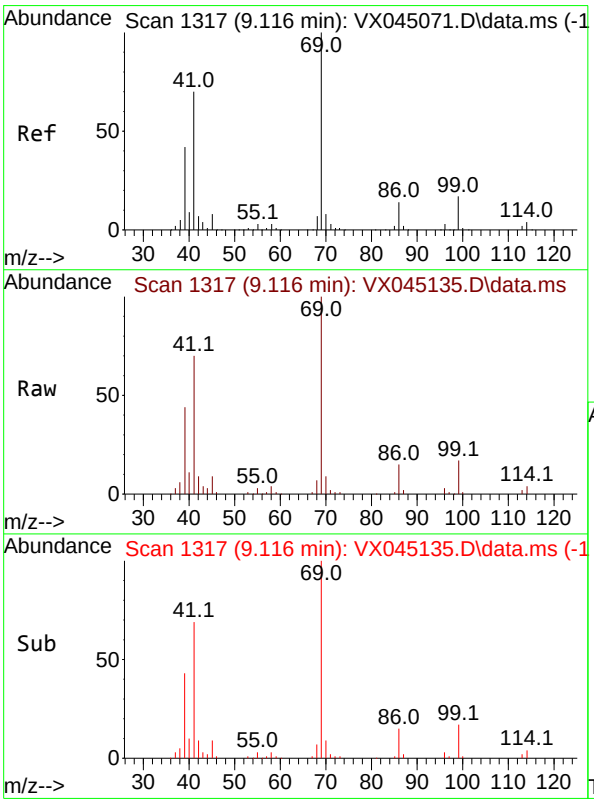
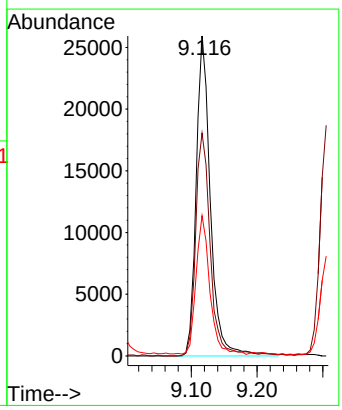
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

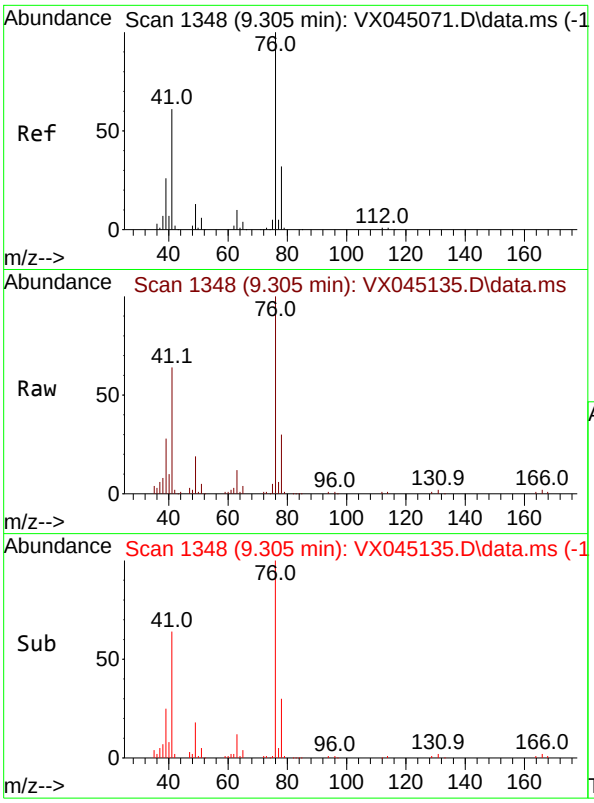


#56
Ethyl methacrylate
Concen: 19.408 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 69 Resp: 38988

Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.0	85.4
39	41.7	34.2	51.4





#57
1,3-Dichloropropane
Concen: 20.048 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 76 Resp: 4585

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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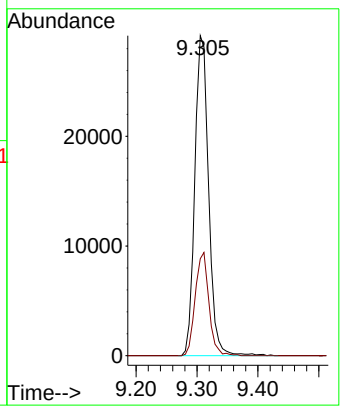
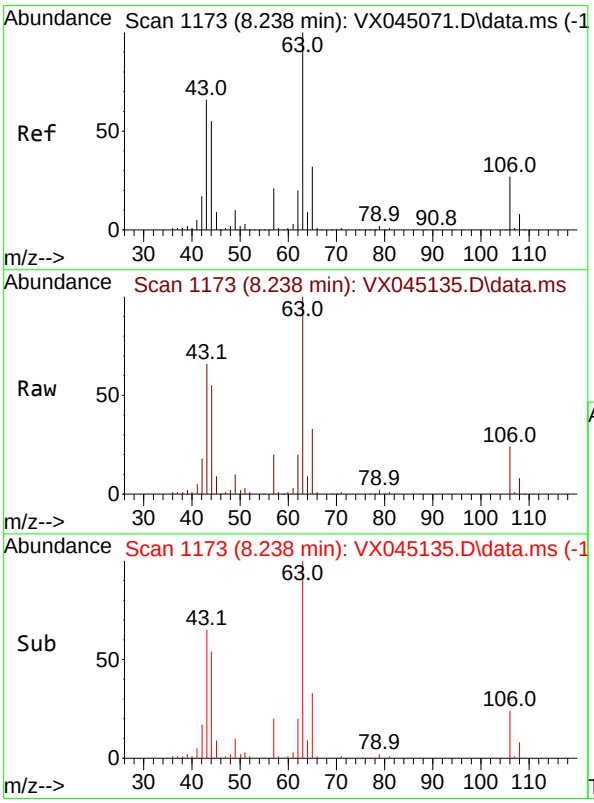
Supervised By :Mahesh Dadoda 03/06/2025

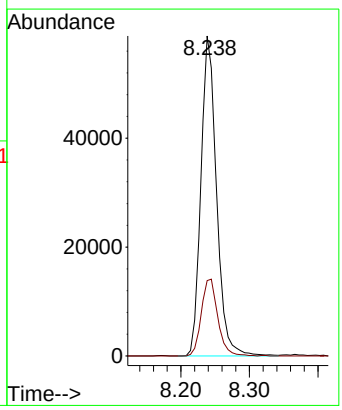


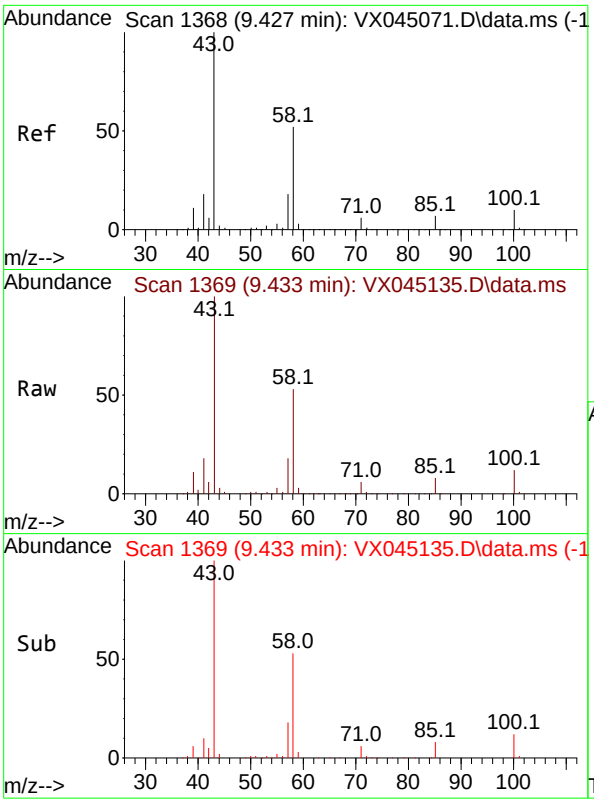


#58
2-Chloroethyl Vinyl ether
Concen: 95.356 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 63 Resp: 93444

Ion	Ratio	Lower	Upper
63	100		
106	25.3	21.5	32.3





#59
2-Hexanone
Concen: 101.624 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 43 Resp: 16322

Ion	Ratio	Lower	Upper
43	100		
58	51.9	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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Reviewed By :John Carlone 03/06/2025
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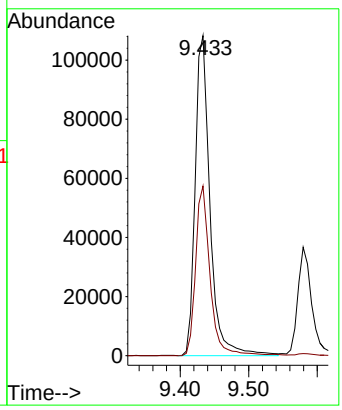
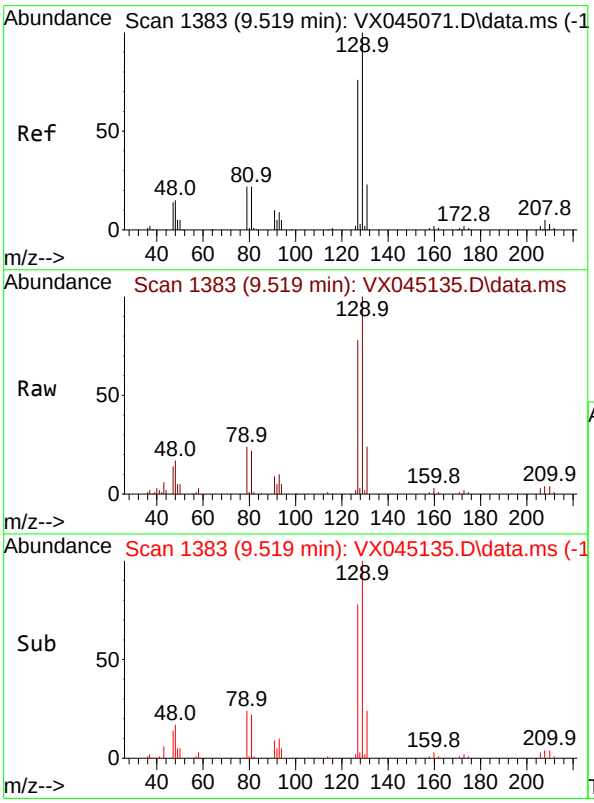
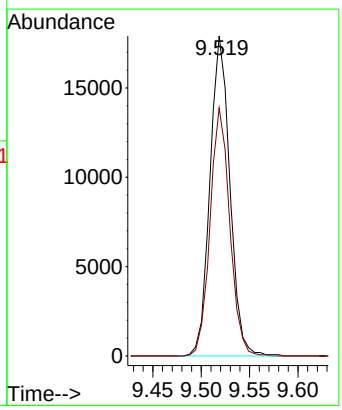


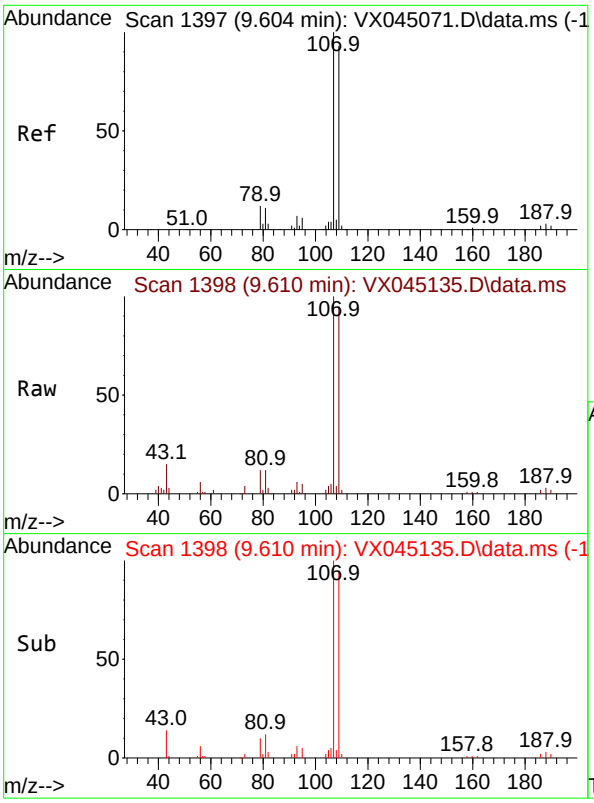


#60
Dibromochloromethane
Concen: 18.522 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:129 Resp: 25594

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.5	115.5

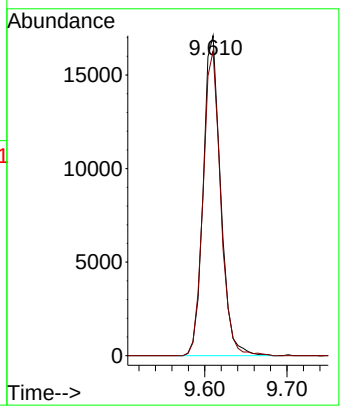




#61
1,2-Dibromoethane
Concen: 19.029 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:107 Resp: 2510

Ion	Ratio	Lower	Upper
107	100		
109	96.1	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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Reviewed By :John Carlone 03/06/2025
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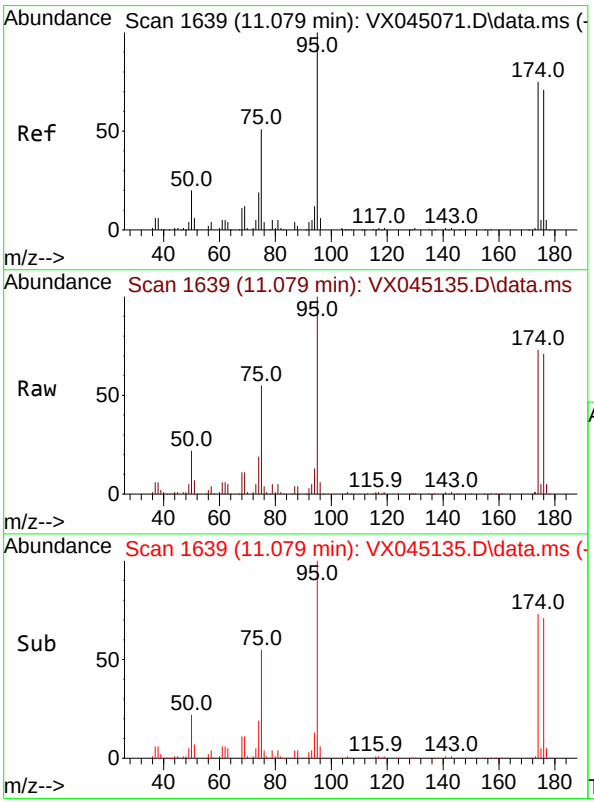
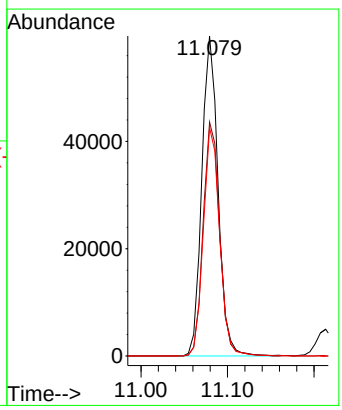
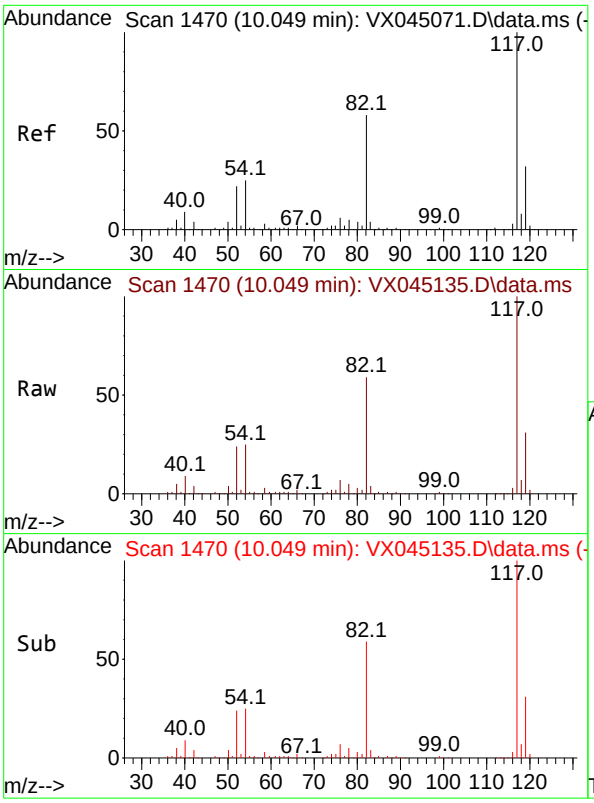


#62
4-Bromofluorobenzene
Concen: 51.159 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 95 Resp: 77651

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	148.2
176	71.5	0.0	141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:117 Resp: 16769

Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.3	69.5
119	31.4	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/06/2025
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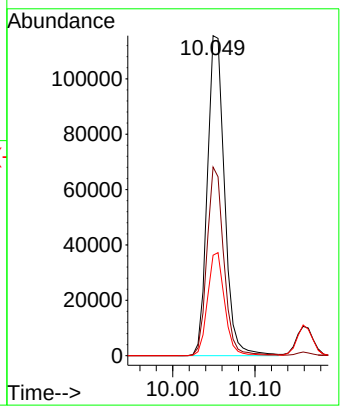
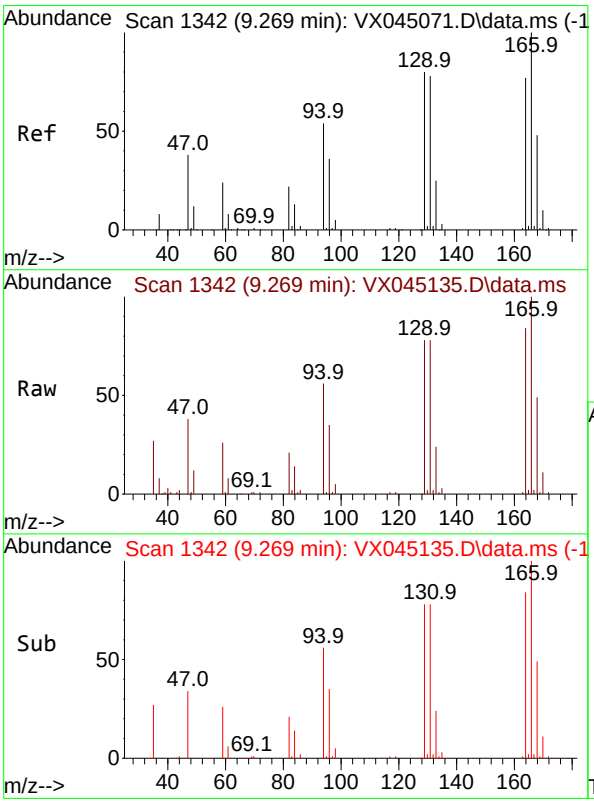
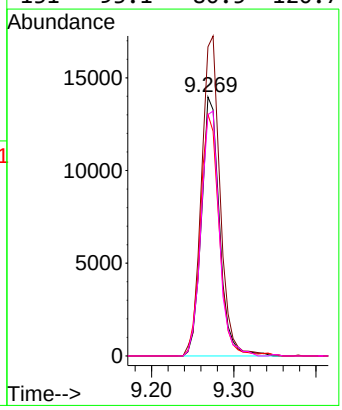


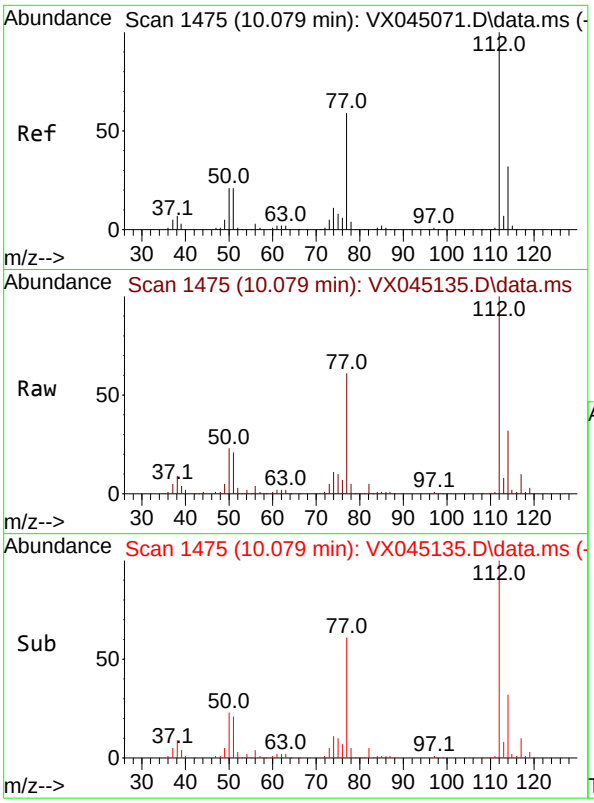


#64
Tetrachloroethene
Concen: 19.750 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:164 Resp: 21212

Ion	Ratio	Lower	Upper
164	100		
166	119.3	103.6	155.4
129	93.3	82.7	124.1
131	93.1	80.5	120.7

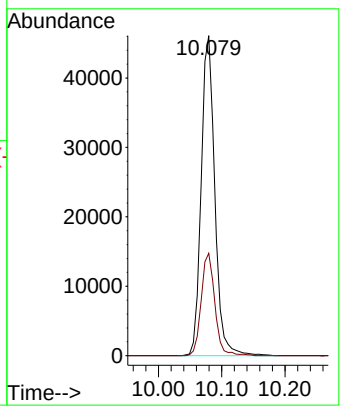




#65
Chlorobenzene
Concen: 19.508 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:112 Resp: 6922

Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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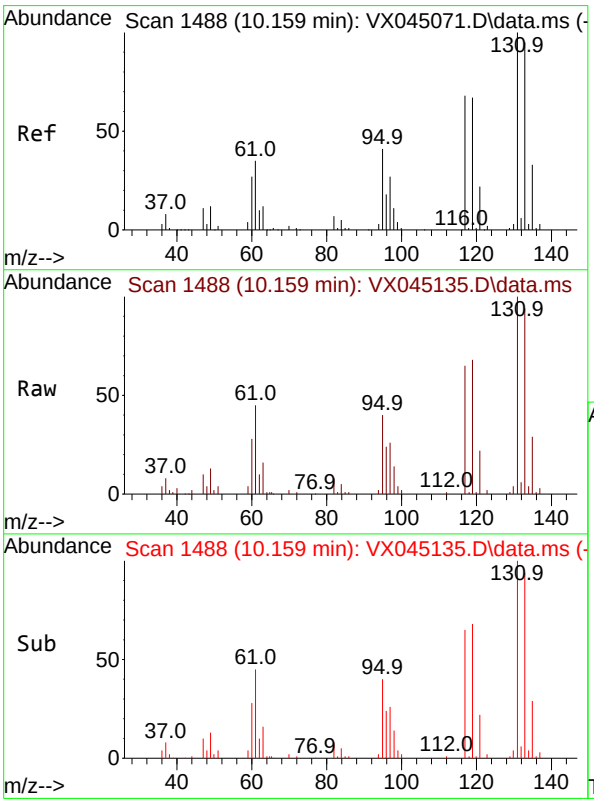
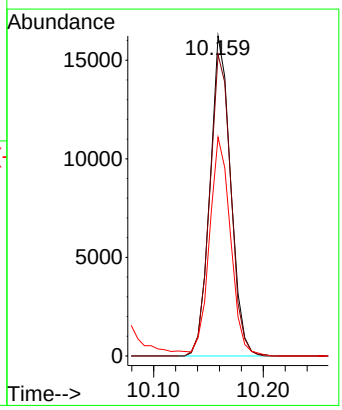
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

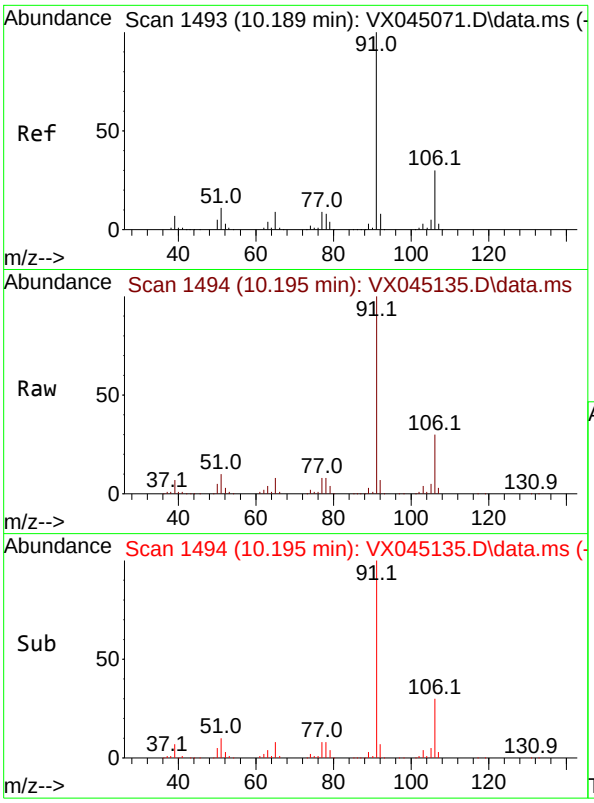


#66
1,1,1,2-Tetrachloroethane
Concen: 17.986 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:131 Resp: 21254

Ion	Ratio	Lower	Upper
131	100		
133	96.6	48.6	145.9
119	69.7	33.9	101.7





#67
Ethyl Benzene
Concen: 20.004 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 91 Resp: 12368

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/06/2025
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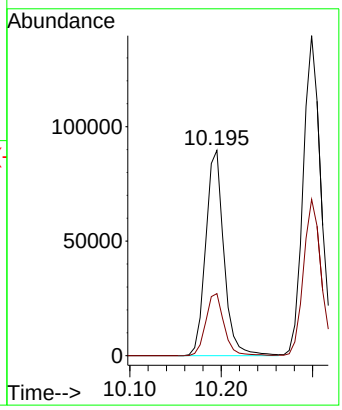
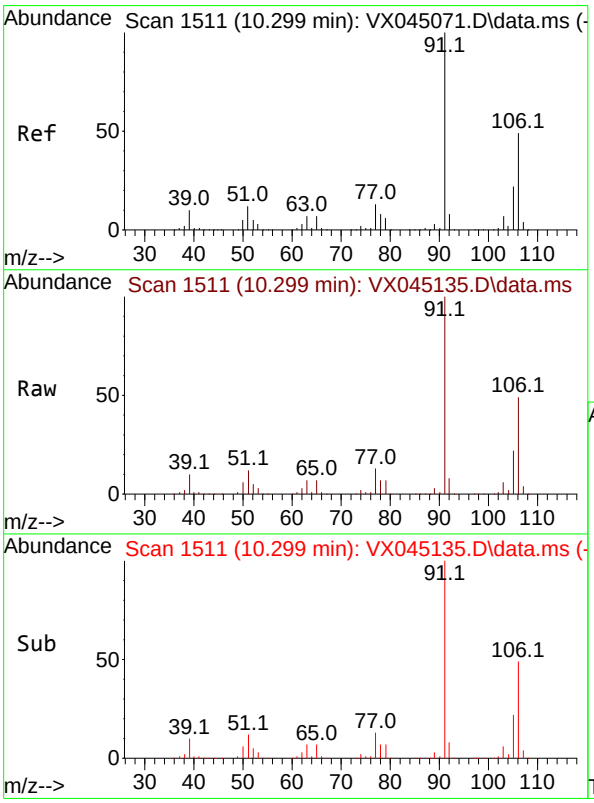
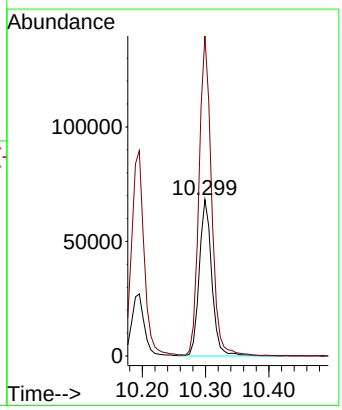


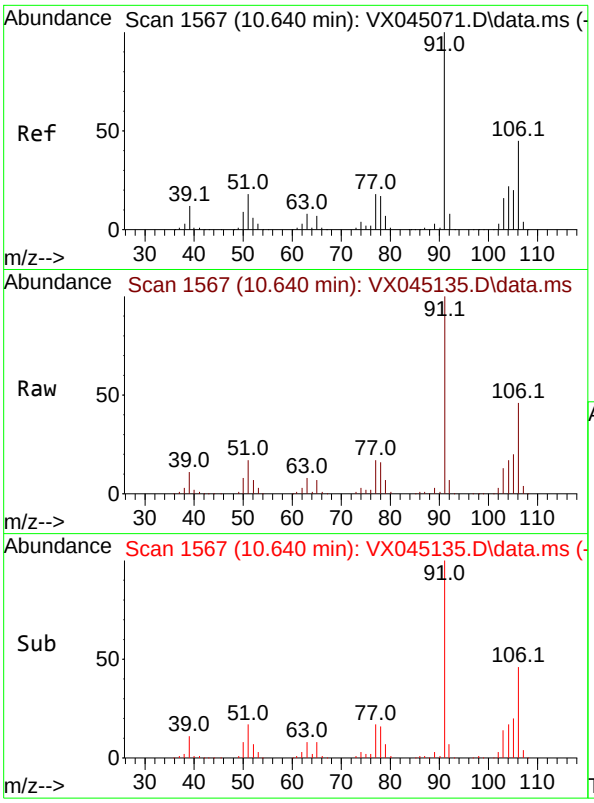


#68
m/p-Xylenes
Concen: 41.627 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:106 Resp: 94216

Ion	Ratio	Lower	Upper
106	100		
91	203.9	165.4	248.0

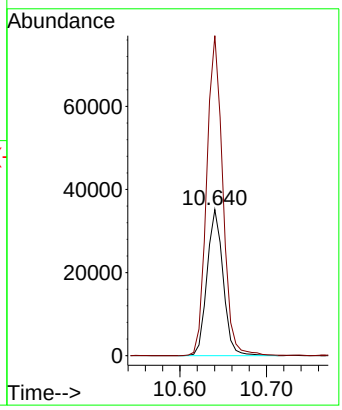




#69
o-Xylene
Concen: 19.884 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:106 Resp: 4539

Ion	Ratio	Lower	Upper
106	100		
91	219.3	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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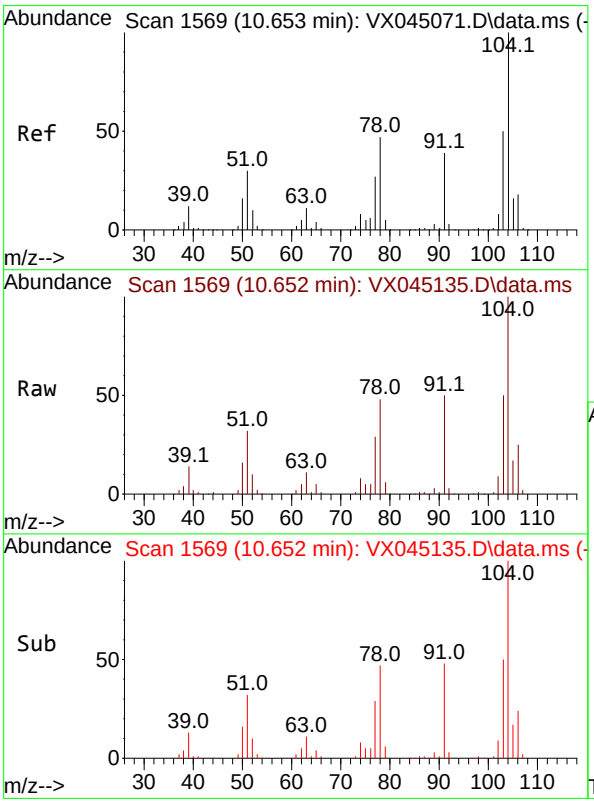
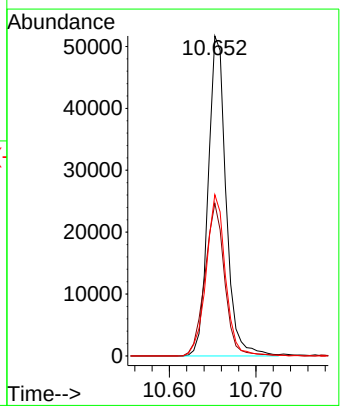
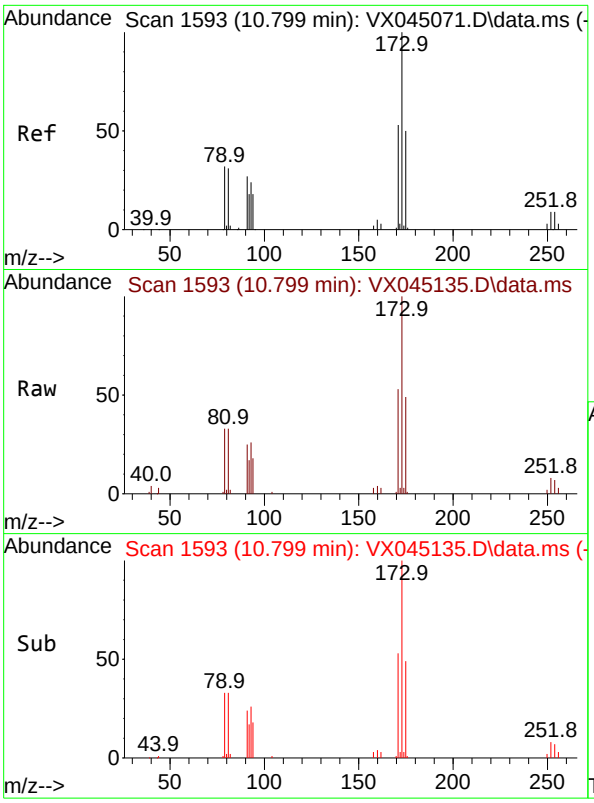


#70
Styrene
Concen: 20.106 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:104 Resp: 74263

Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.2	63.4
103	54.3	43.8	65.8





#71
Bromoform
Concen: 17.213 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:173 Resp: 1533

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	73.6
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/06/2025
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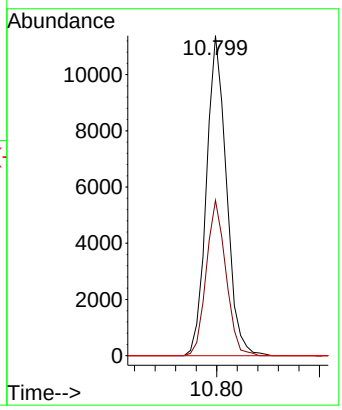
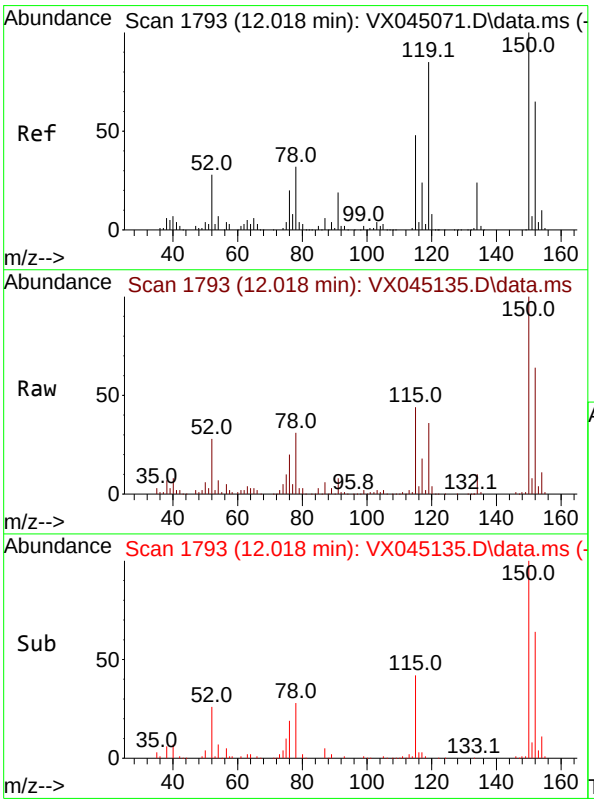
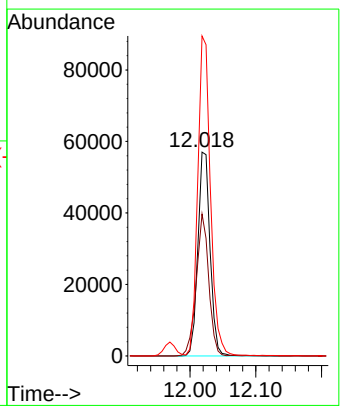


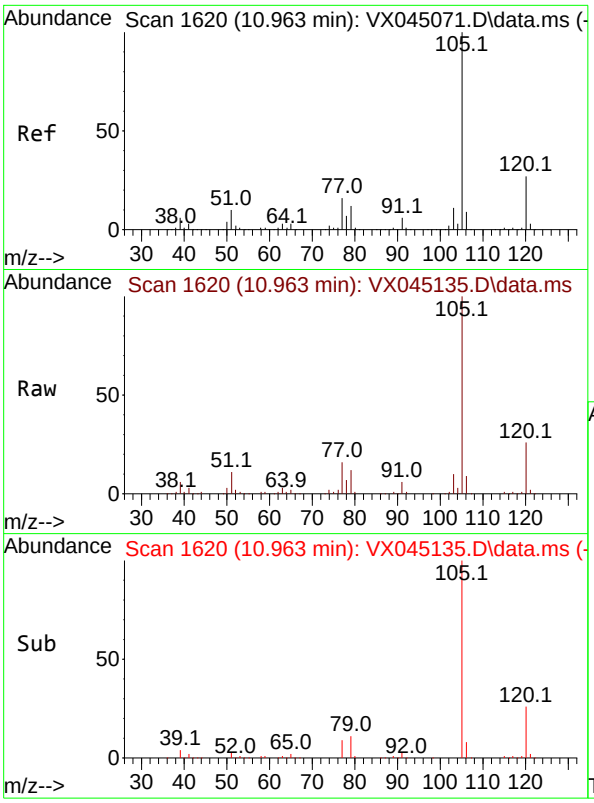


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:152 Resp: 73577

Ion	Ratio	Lower	Upper
152	100		
115	71.2	44.2	132.6
150	163.1	0.0	349.0

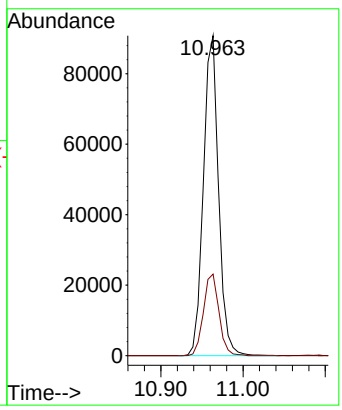




#73
Isopropylbenzene
Concen: 20.206 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:105 Resp: 11604

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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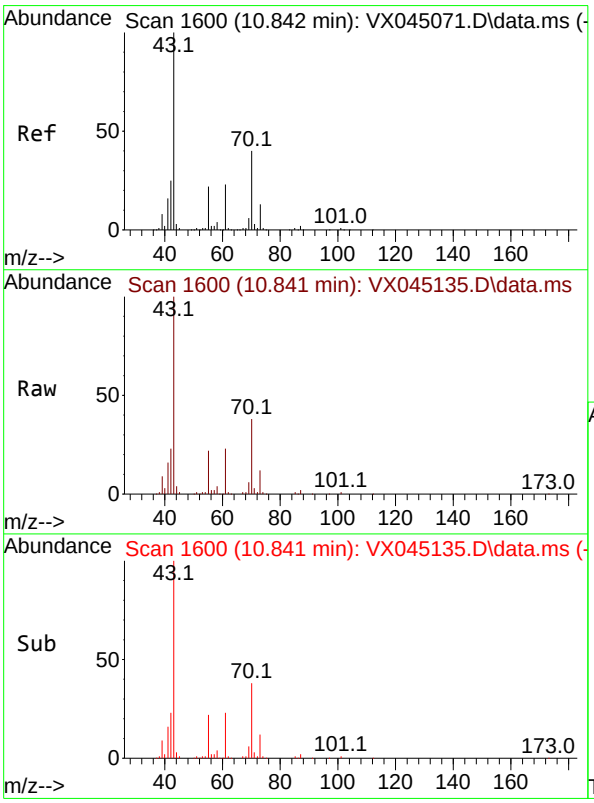
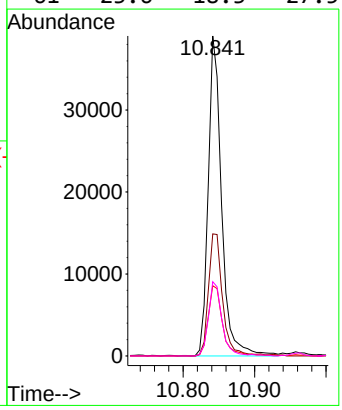
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

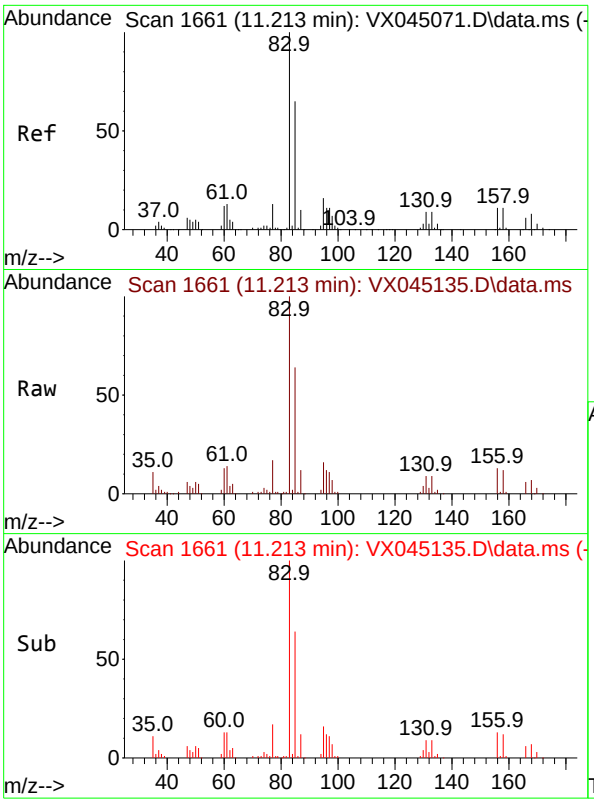


#74
N-amyl acetate
Concen: 18.884 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 43 Resp: 50887

Ion	Ratio	Lower	Upper
43	100		
70	40.2	31.8	47.6
55	23.8	18.3	27.5
61	23.6	18.3	27.5

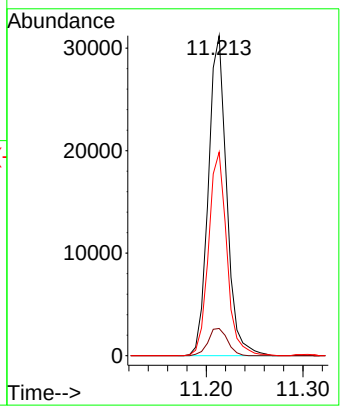




#75
1,1,2,2-Tetrachloroethane
Concen: 19.478 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 83 Resp: 4104

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	63.5	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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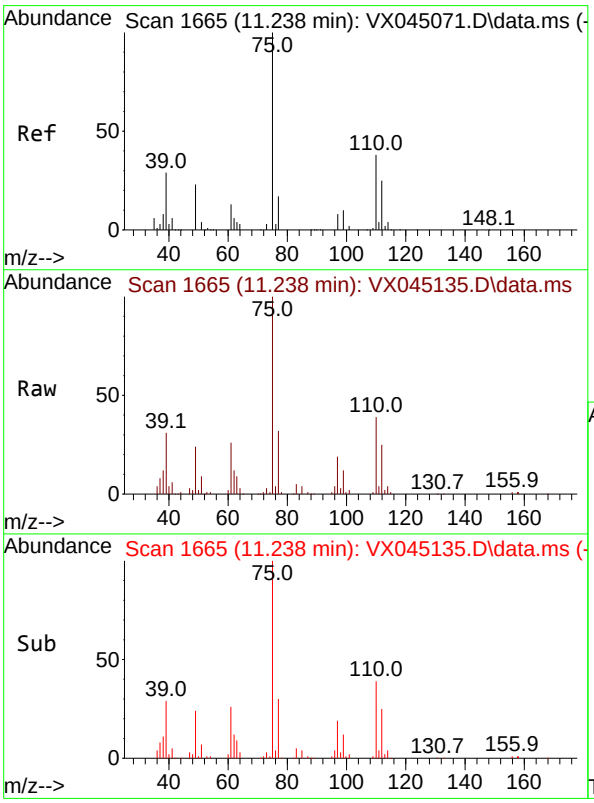
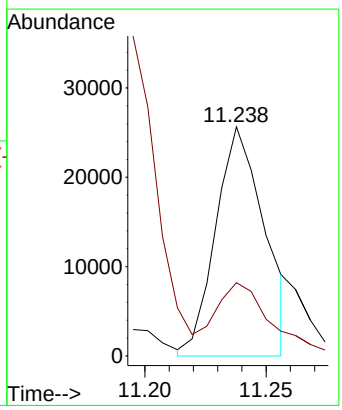
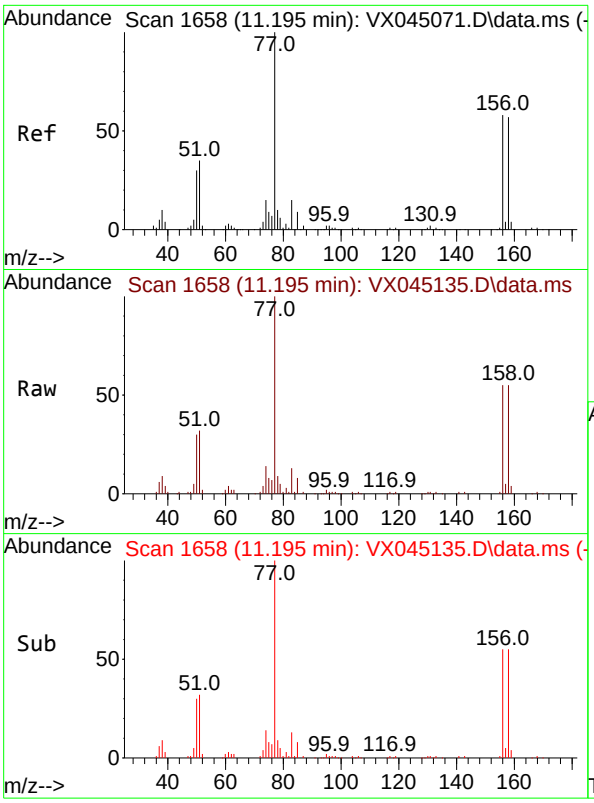


#76
1,2,3-Trichloropropane
Concen: 20.923 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 75 Resp: 35831

Ion	Ratio	Lower	Upper
75	100		
77	37.0	20.7	62.1

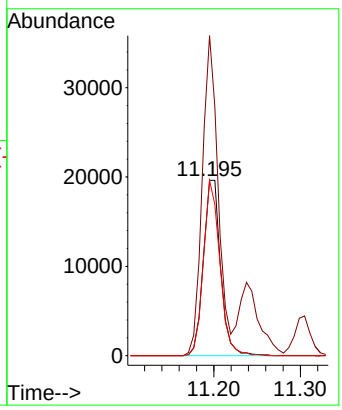




#77
Bromobenzene
Concen: 20.069 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:156 Resp: 2719

Ion	Ratio	Lower	Upper
156	100		
77	166.6	85.8	257.4
158	95.0	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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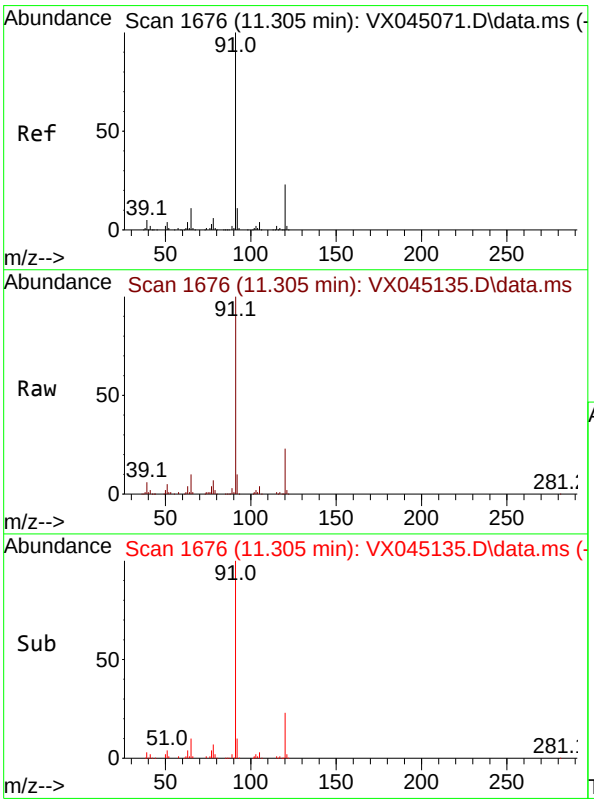
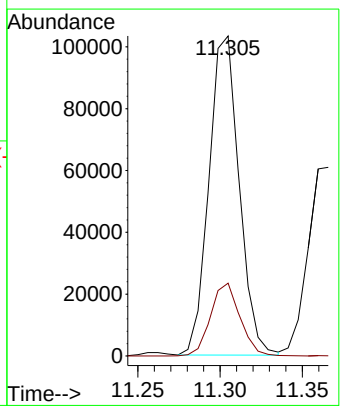
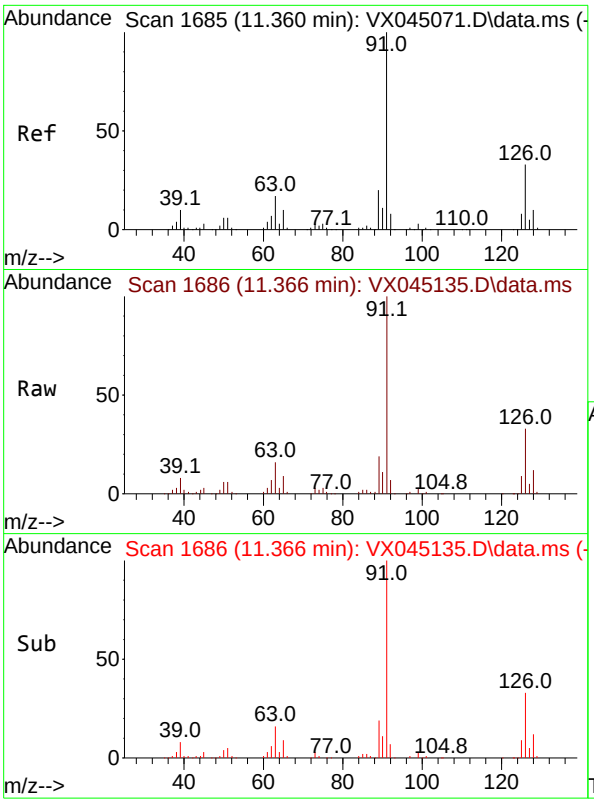


#78
n-propylbenzene
Concen: 20.376 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 91 Resp: 132188

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6

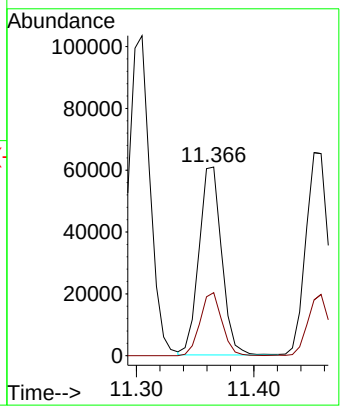




#79
2-Chlorotoluene
Concen: 19.769 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 91 Resp: 8167

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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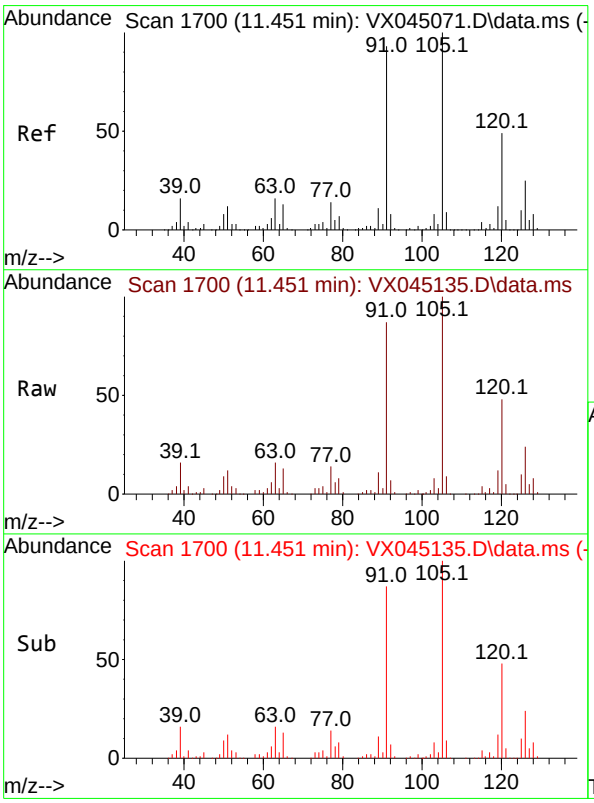
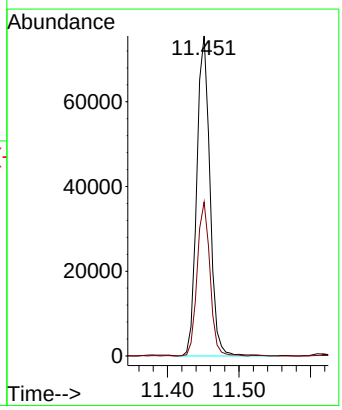
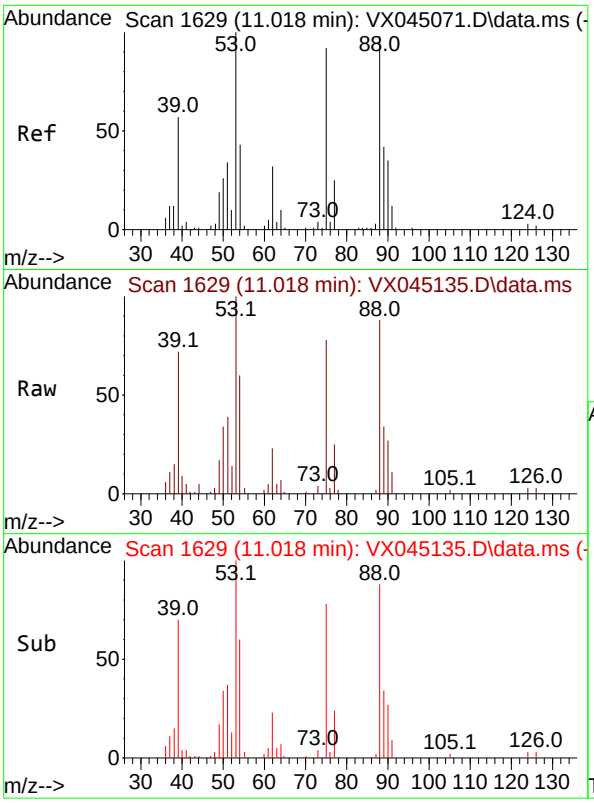


#80
1,3,5-Trimethylbenzene
Concen: 20.708 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:105 Resp: 96161

Ion	Ratio	Lower	Upper
105	100		
120	46.9	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 16.113 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 75 Resp: 806

Ion	Ratio	Lower	Upper
75	100		
53	136.6	88.5	132.7#
89	43.7	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/06/2025
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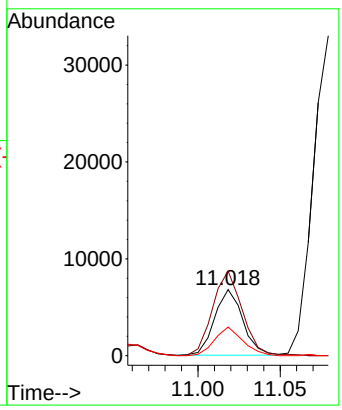
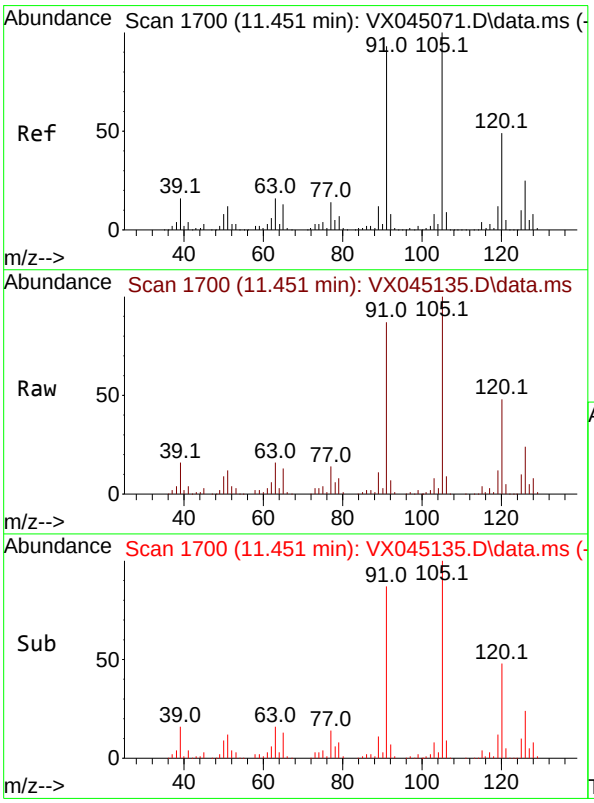
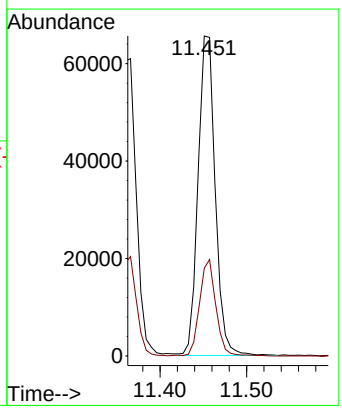


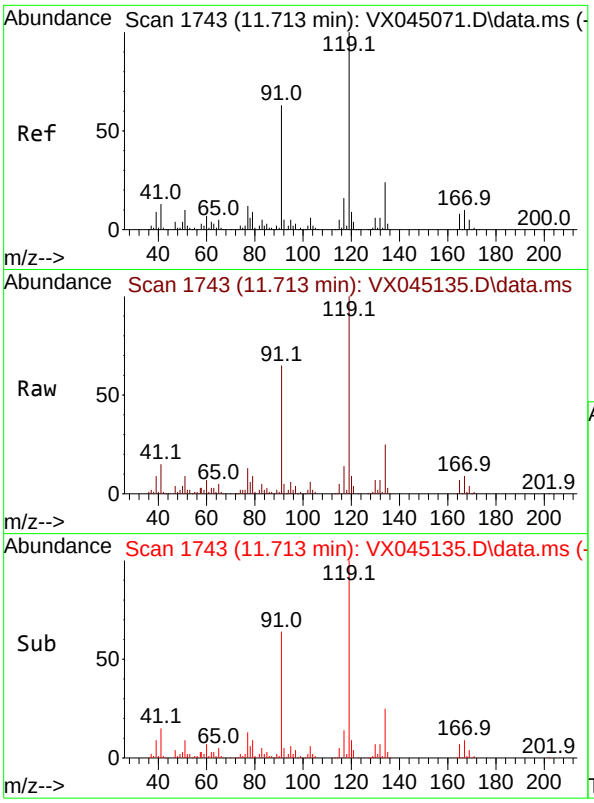


#82
4-Chlorotoluene
Concen: 20.049 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 91 Resp: 90278

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.1	42.4

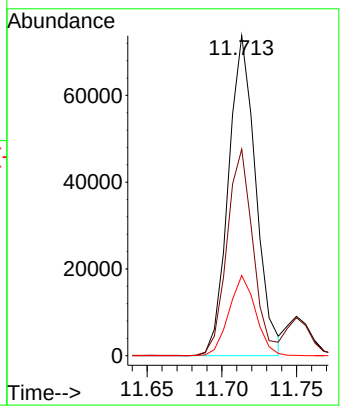




#83
tert-Butylbenzene
Concen: 19.631 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:119 Resp: 9366

Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.7	92.1
134	24.5	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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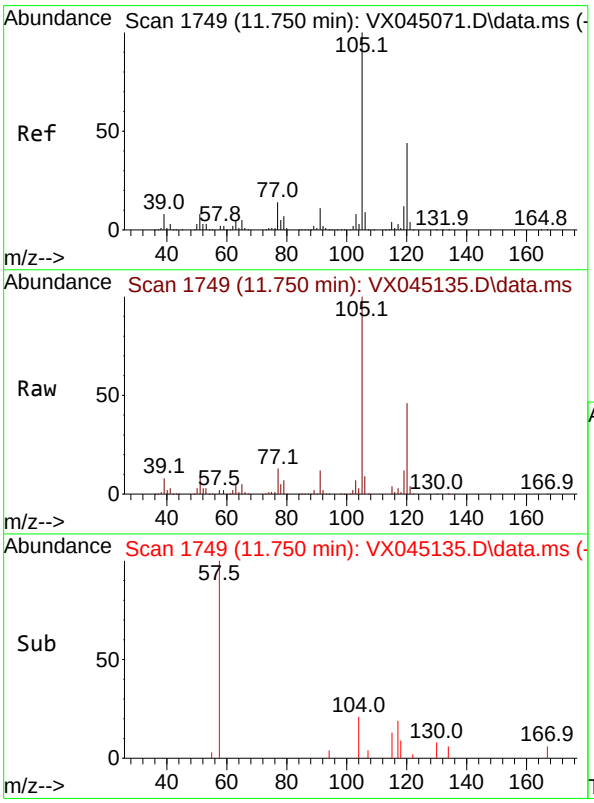
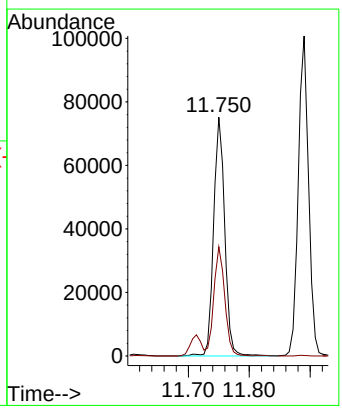
Supervised By :Mahesh Dadoda 03/06/2025

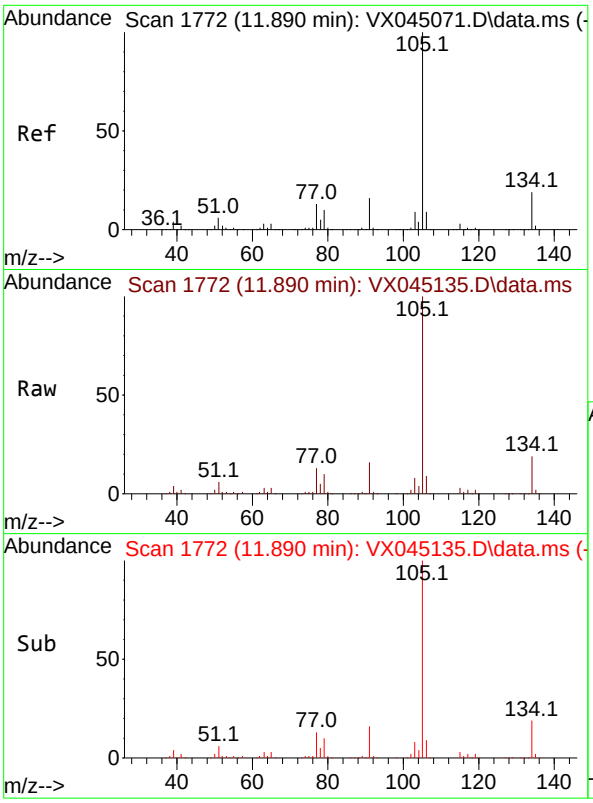


#84
1,2,4-Trimethylbenzene
Concen: 20.383 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:105 Resp: 95237

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.1





#85
sec-Butylbenzene
Concen: 20.635 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:105 Resp: 11793

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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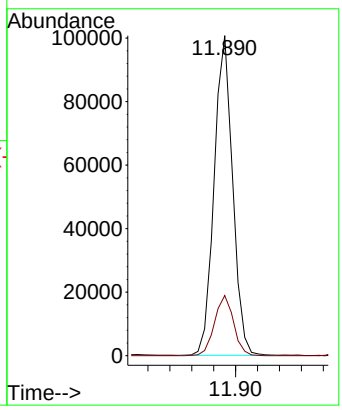
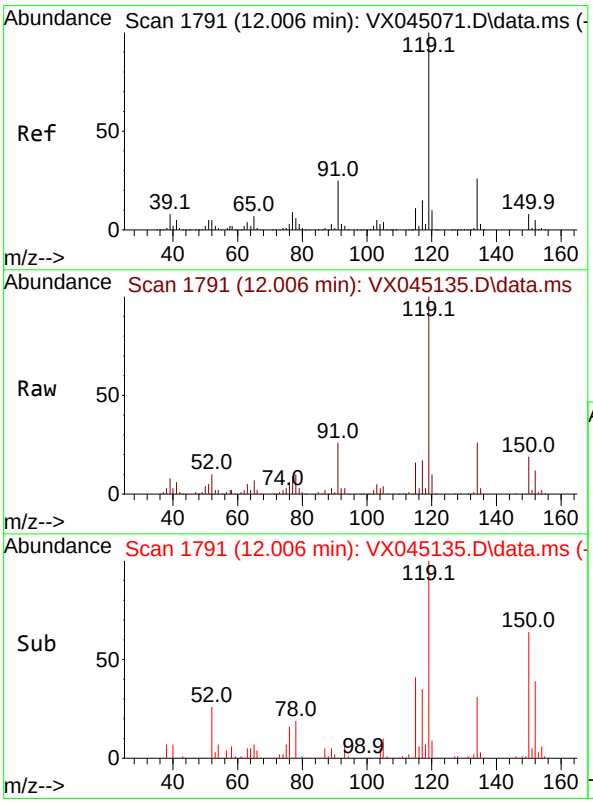
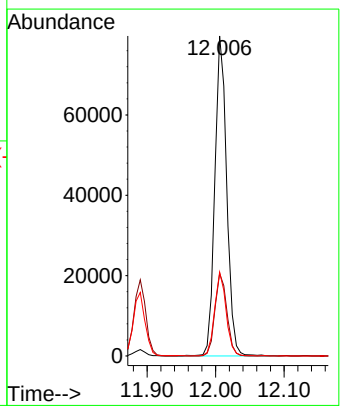


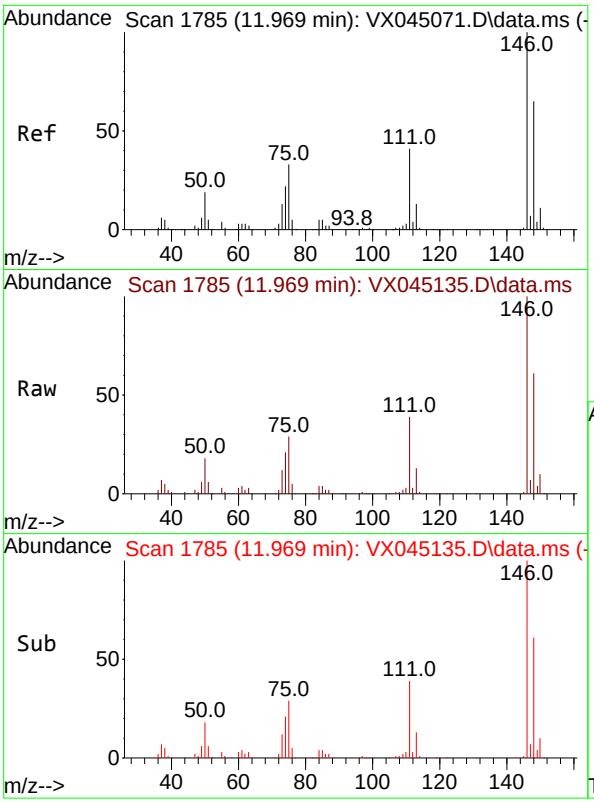


#86
p-Isopropyltoluene
Concen: 20.787 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:119 Resp: 96010

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.6
91	25.6	12.7	38.0

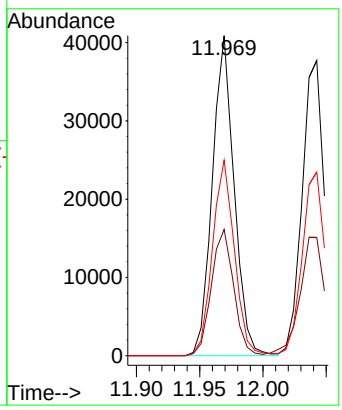




#87
1,3-Dichlorobenzene
Concen: 20.262 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:146 Resp: 4897

Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.1	63.4
148	61.5	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

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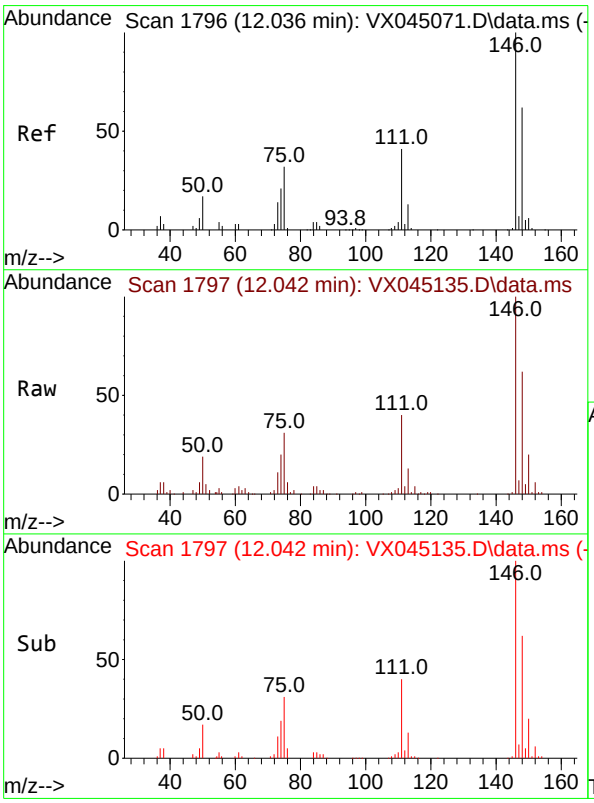
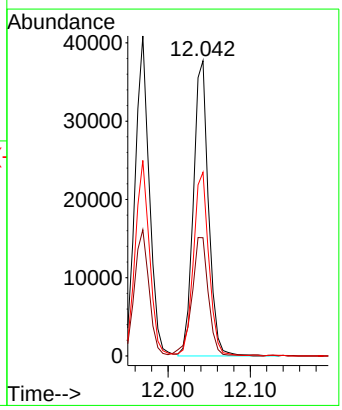
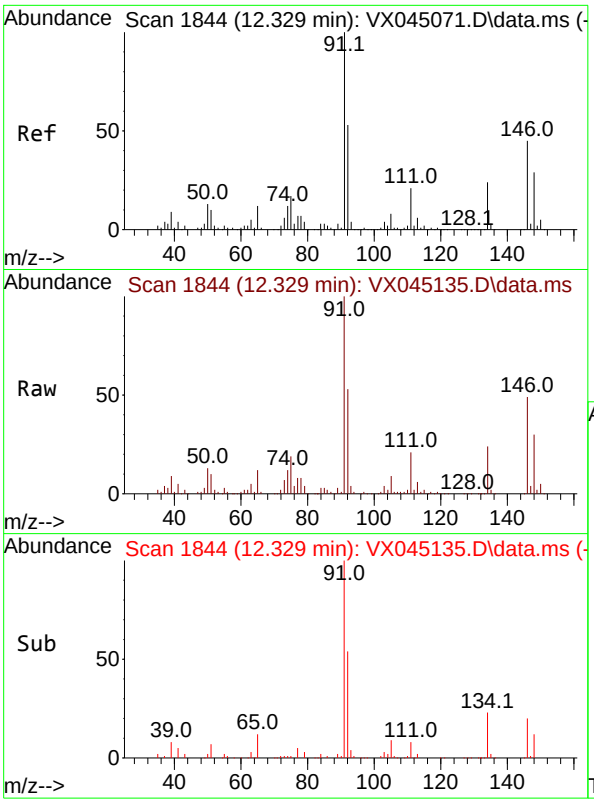


#88
1,4-Dichlorobenzene
Concen: 19.705 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:146 Resp: 48188

Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.2	60.5
148	63.3	31.9	95.9





#89
n-Butylbenzene
Concen: 20.717 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 91 Resp: 8241

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.0
134	23.9	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
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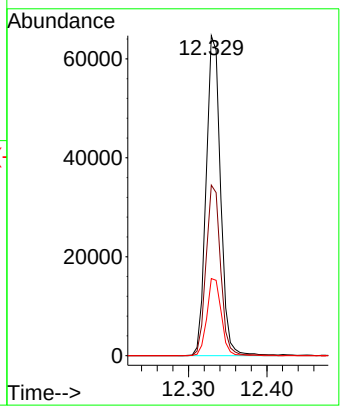
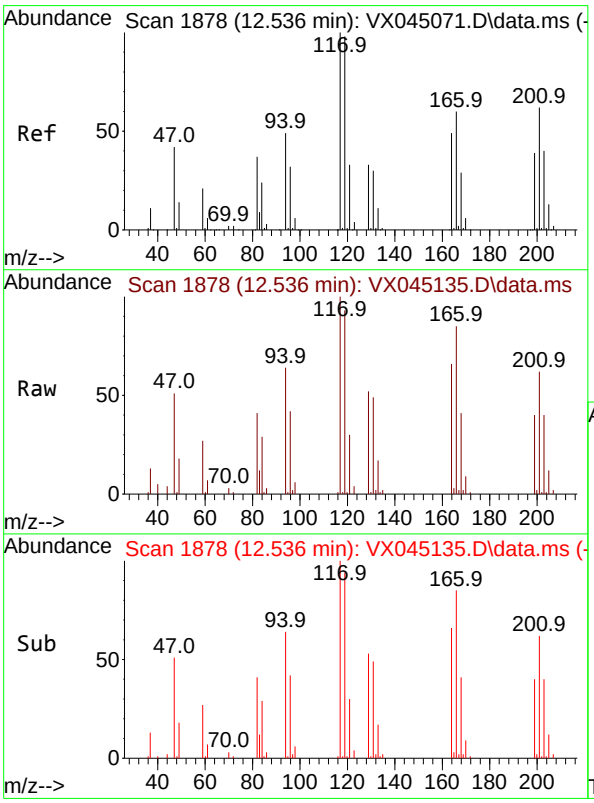
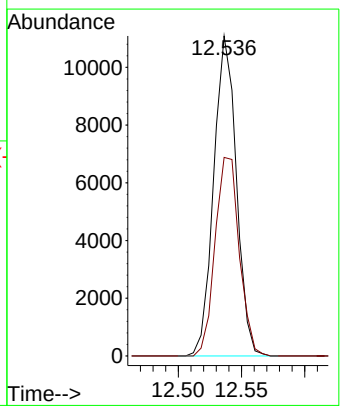


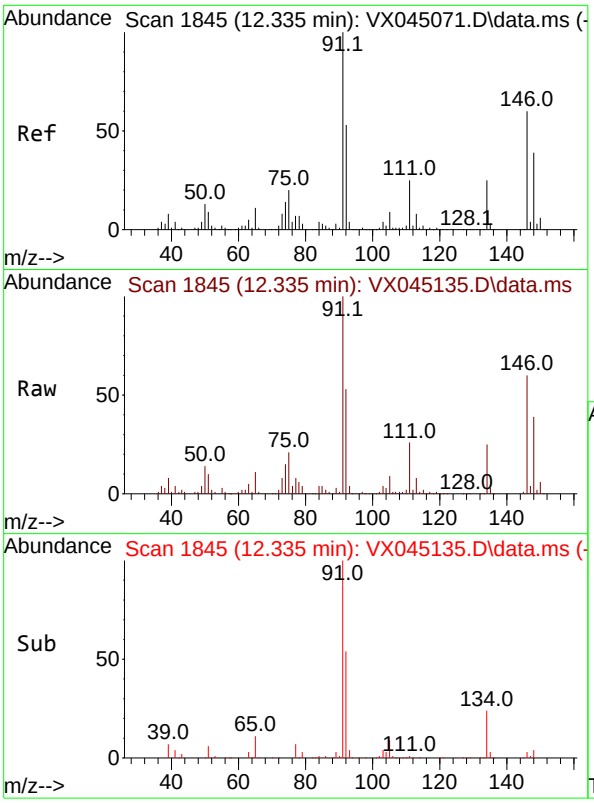


#90
Hexachloroethane
Concen: 16.531 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:117 Resp: 13810

Ion	Ratio	Lower	Upper
117	100		
201	66.4	31.9	95.9





#91
1,2-Dichlorobenzene
Concen: 20.212 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Tgt Ion:146 Resp: 4901

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.6	65.0
148	62.2	31.9	95.9

Manual Integrations
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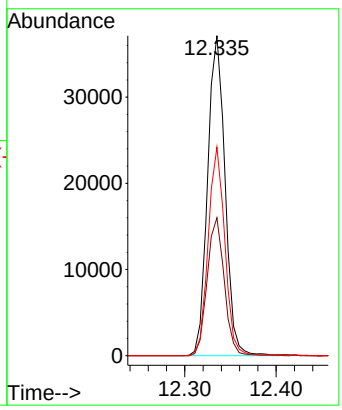
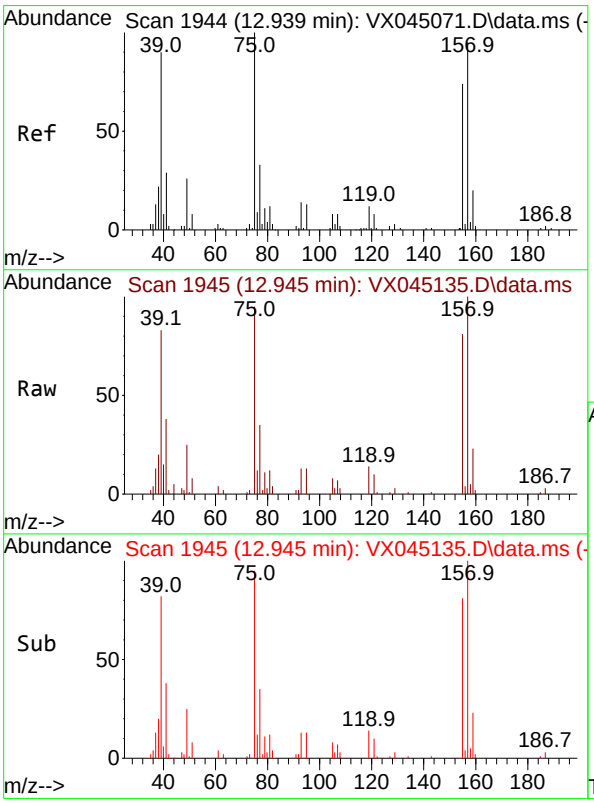
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

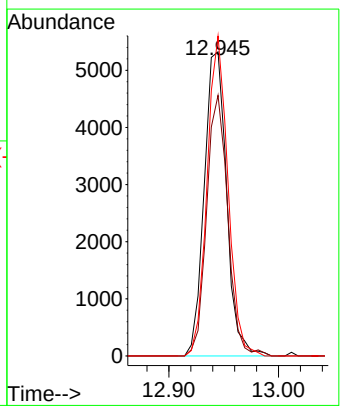


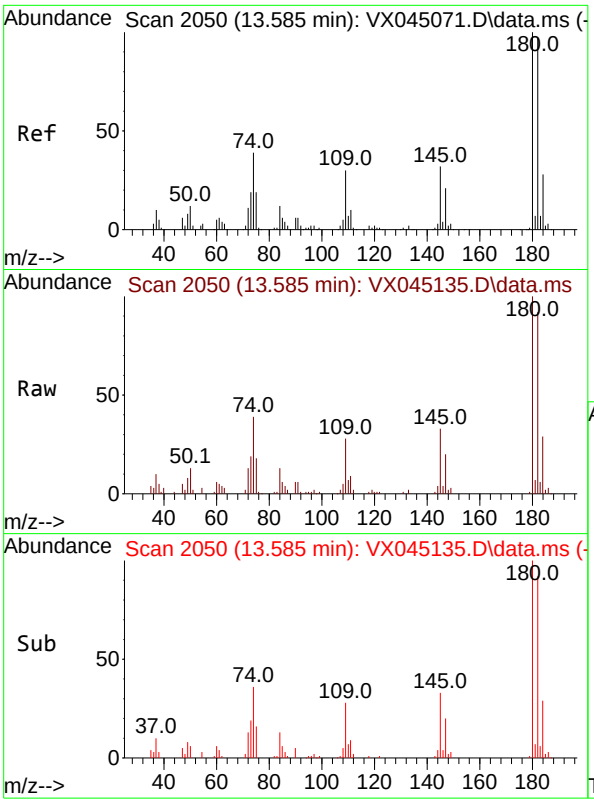


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.375 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 75 Resp: 7544

Ion	Ratio	Lower	Upper
75	100		
155	81.3	39.6	118.7
157	98.0	51.1	153.4





#93
1,2,4-Trichlorobenzene
Concen: 19.967 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

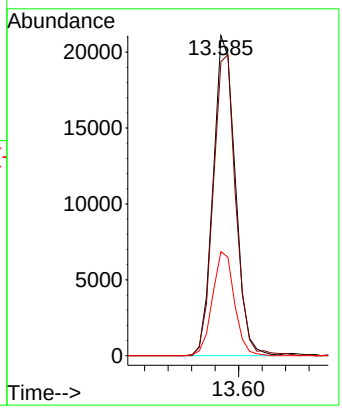
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

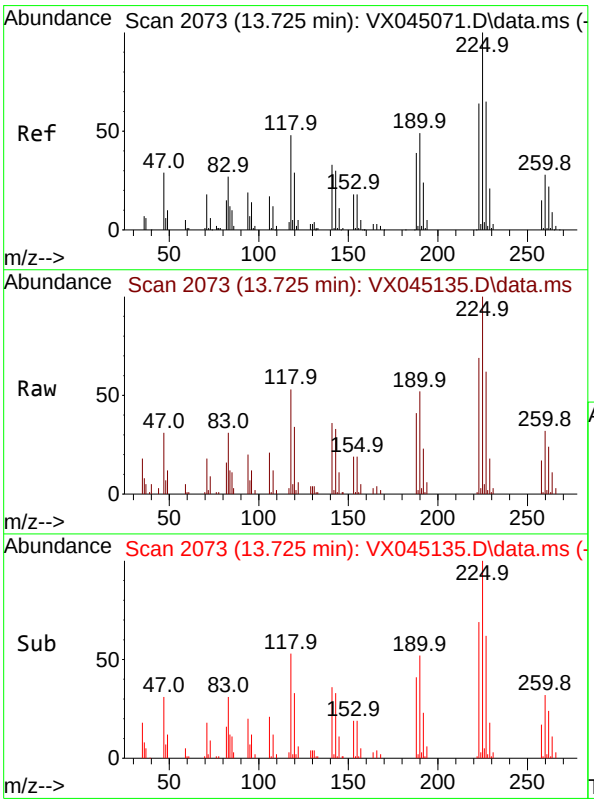
Tgt Ion:180 Resp: 2756

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.3	16.3	48.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

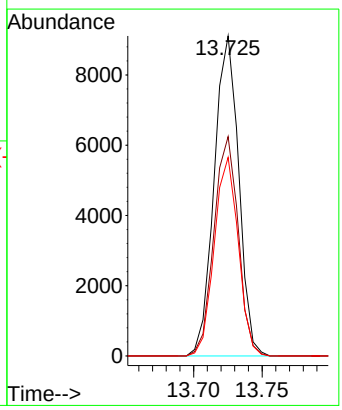


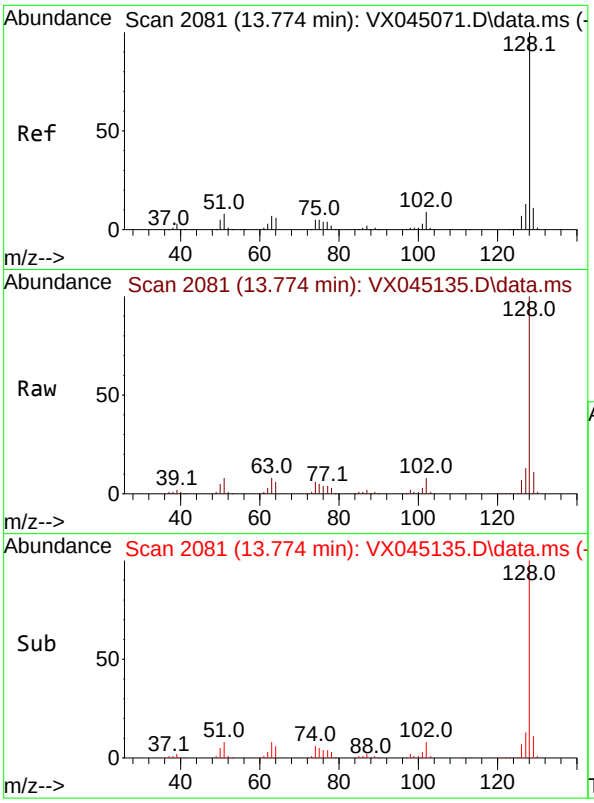


#94
Hexachlorobutadiene
Concen: 20.014 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:225 Resp: 11329

Ion	Ratio	Lower	Upper
225	100		
223	67.8	31.9	95.7
227	60.8	31.4	94.0

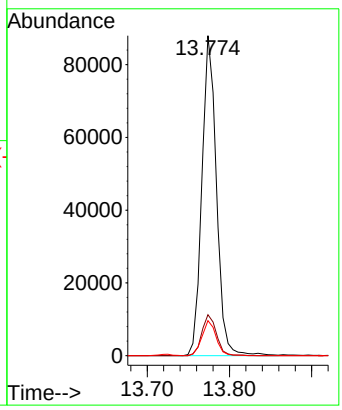




#95
Naphthalene
Concen: 20.398 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:128 Resp: 10820

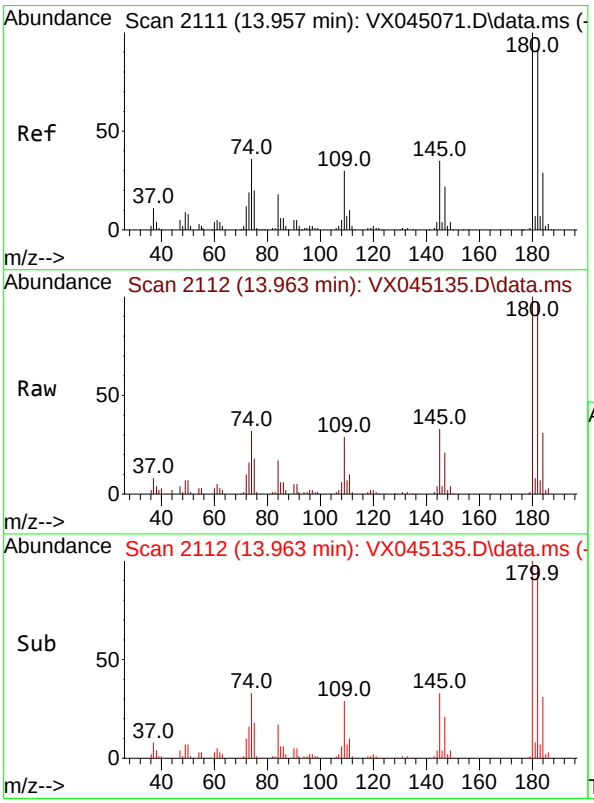
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
APPROVED

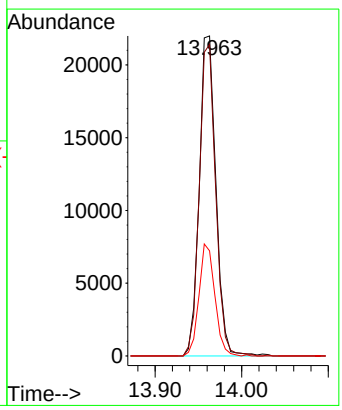
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.147 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:180 Resp: 29345

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	33.5	17.0	50.9



Raw Data: **VY021429.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBSD01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021429.D	1		03/06/25 12:55	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	22.2		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		0.78	5.00	ug/Kg
67-64-1	Acetone	83.1		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.5		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	21.3		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.4		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.5		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.8		0.69	5.00	ug/Kg
78-93-3	2-Butanone	95.3		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.7		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.2		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.2		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.3		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.0		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.2		0.87	5.00	ug/Kg
71-43-2	Benzene	19.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.0		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	19.7		0.67	5.00	ug/Kg

Raw Data: **VY021429.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBSD01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021429.D	1		03/06/25 12:55	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.4		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.4		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	96.5		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.8		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.2		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.6		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	18.8		0.70	5.00	ug/Kg
100-42-5	Styrene	19.5		0.60	5.00	ug/Kg
75-25-2	Bromoform	19.6		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.5		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.0		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.2		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.7		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.8		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		70 (38) - 130 (136)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	197000	7.707			
540-36-3	1,4-Difluorobenzene	317000	8.616			
3114-55-4	Chlorobenzene-d5	285000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.347			

Raw Data: **VY021429.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBSD01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021429.D	1		03/06/25 12:55	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021429.D
Acq On : 06 Mar 2025 12:55
Operator : SY/MD
Sample : VY0306SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Quant Time: Mar 07 00:39:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	197190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	284896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114552	54.963	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.920%			
35) Dibromofluoromethane	7.634	113	108456	52.046	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.100%			
50) Toluene-d8	10.103	98	405827	51.435	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.408	95	141225	52.620	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	35558	19.650	ug/l	96
3) Chloromethane	2.068	50	52949	20.755	ug/l	96
4) Vinyl Chloride	2.202	62	58685	21.049	ug/l	99
5) Bromomethane	2.586	94	42039	20.863	ug/l	95
6) Chloroethane	2.733	64	40824	22.158	ug/l	94
7) Trichlorofluoromethane	3.056	101	80838	20.774	ug/l	96
8) Diethyl Ether	3.452	74	22347	20.722	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	43988	19.799	ug/l	99
10) Methyl Iodide	4.001	142	44089	19.522	ug/l	100
11) Tert butyl alcohol	4.860	59	17013	113.220	ug/l #	72
12) 1,1-Dichloroethene	3.787	96	40773	20.129	ug/l	98
13) Acrolein	3.653	56	17122	161.514	ug/l	96
14) Allyl chloride	4.385	41	65445	19.993	ug/l	98
15) Acrylonitrile	5.055	53	48263	105.132	ug/l	99
16) Acetone	3.867	43	37789	83.130	ug/l	92
17) Carbon Disulfide	4.104	76	123987	19.532	ug/l	100
18) Methyl Acetate	4.385	43	21520	21.336	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	104712	20.396	ug/l	99
20) Methylene Chloride	4.616	84	48615	20.374	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	45523	20.068	ug/l	91
22) Diisopropyl ether	6.019	45	148861	21.102	ug/l	97
23) Vinyl Acetate	5.958	43	418814	104.026	ug/l	98
24) 1,1-Dichloroethane	5.915	63	85283	20.483	ug/l	98
25) 2-Butanone	6.890	43	59932	95.309	ug/l	97
26) 2,2-Dichloropropane	6.884	77	70954	18.521	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	51954	20.160	ug/l	99
28) Bromochloromethane	7.244	49	33556	19.224	ug/l	98
29) Tetrahydrofuran	7.256	42	40277	103.753	ug/l	99
30) Chloroform	7.415	83	91972	21.273	ug/l	96
31) Cyclohexane	7.701	56	73337	18.788	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	79136	19.991	ug/l	99
36) 1,1-Dichloropropene	7.835	75	62244	19.082	ug/l	98
37) Ethyl Acetate	6.988	43	29173	20.235	ug/l	97
38) Carbon Tetrachloride	7.817	117	70264	18.730	ug/l	98
39) Methylcyclohexane	9.110	83	72710	18.173	ug/l	99
40) Benzene	8.079	78	190921	19.869	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021429.D
Acq On : 06 Mar 2025 12:55
Operator : SY/MD
Sample : VY0306SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 00:39:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.214	41	15276	19.460	ug/l		95
42) 1,2-Dichloroethane	8.152	62	54960	20.446	ug/l		99
43) Isopropyl Acetate	8.195	43	54803	19.581	ug/l	#	88
44) Trichloroethene	8.866	130	46195	19.025	ug/l		93
45) 1,2-Dichloropropane	9.140	63	46832	20.478	ug/l		95
46) Dibromomethane	9.231	93	25456	20.006	ug/l		98
47) Bromodichloromethane	9.420	83	68125	20.160	ug/l		99
48) Methyl methacrylate	9.219	41	24350	18.947	ug/l		95
49) 1,4-Dioxane	9.225	88	5487	439.330	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.000	43	145575	100.811	ug/l		98
52) Toluene	10.170	92	119217	19.680	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	57714	19.386	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	68787	19.461	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	33986	20.418	ug/l		94
56) Ethyl methacrylate	10.439	69	41790	19.686	ug/l		98
57) 1,3-Dichloropropane	10.719	76	59572	20.650	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	105149	107.301	ug/l		98
59) 2-Hexanone	10.762	43	92172	96.532	ug/l		98
60) Dibromochloromethane	10.908	129	45450	19.918	ug/l		100
61) 1,2-Dibromoethane	11.012	107	31489	20.045	ug/l		100
64) Tetrachloroethene	10.646	164	43602	18.821	ug/l		97
65) Chlorobenzene	11.438	112	128907	19.161	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	45704	19.215	ug/l		98
67) Ethyl Benzene	11.518	91	220217	18.649	ug/l		99
68) m/p-Xylenes	11.627	106	169502	37.809	ug/l		98
69) o-Xylene	11.957	106	77803	18.830	ug/l		99
70) Styrene	11.969	104	133689	19.504	ug/l		99
71) Bromoform	12.127	173	26030	19.577	ug/l	#	100
73) Isopropylbenzene	12.255	105	208083	18.150	ug/l		99
74) N-amyl acetate	12.066	43	47561	19.102	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	38365	18.963	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	28008m	19.097	ug/l		
77) Bromobenzene	12.530	156	50969	19.003	ug/l		100
78) n-propylbenzene	12.597	91	256602	18.429	ug/l		100
79) 2-Chlorotoluene	12.682	91	149480	18.776	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	171567	18.415	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	11197	17.356	ug/l		94
82) 4-Chlorotoluene	12.780	91	153440	18.612	ug/l		99
83) tert-Butylbenzene	12.999	119	155498	18.709	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	175877	19.013	ug/l		99
85) sec-Butylbenzene	13.176	105	227701	18.413	ug/l		100
86) p-Isopropyltoluene	13.292	119	187268	18.381	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	98798	18.505	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	99121	18.984	ug/l		99
89) n-Butylbenzene	13.621	91	171306	18.209	ug/l		99
90) Hexachloroethane	13.877	117	39511	18.179	ug/l		97
91) 1,2-Dichlorobenzene	13.658	146	87985	19.228	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5795	19.122	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	46812	18.729	ug/l		97
94) Hexachlorobutadiene	15.023	225	30717	19.606	ug/l		96
95) Naphthalene	15.145	128	72201	19.111	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	39613	18.844	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021429.D
Acq On : 06 Mar 2025 12:55
Operator : SY/MD
Sample : VY0306SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 00:39:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021429.D
Acq On : 06 Mar 2025 12:55
Operator : SY/MD
Sample : VY0306SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 00:39:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
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Instrument :
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ClientSampleId :
VY0306SBSD01

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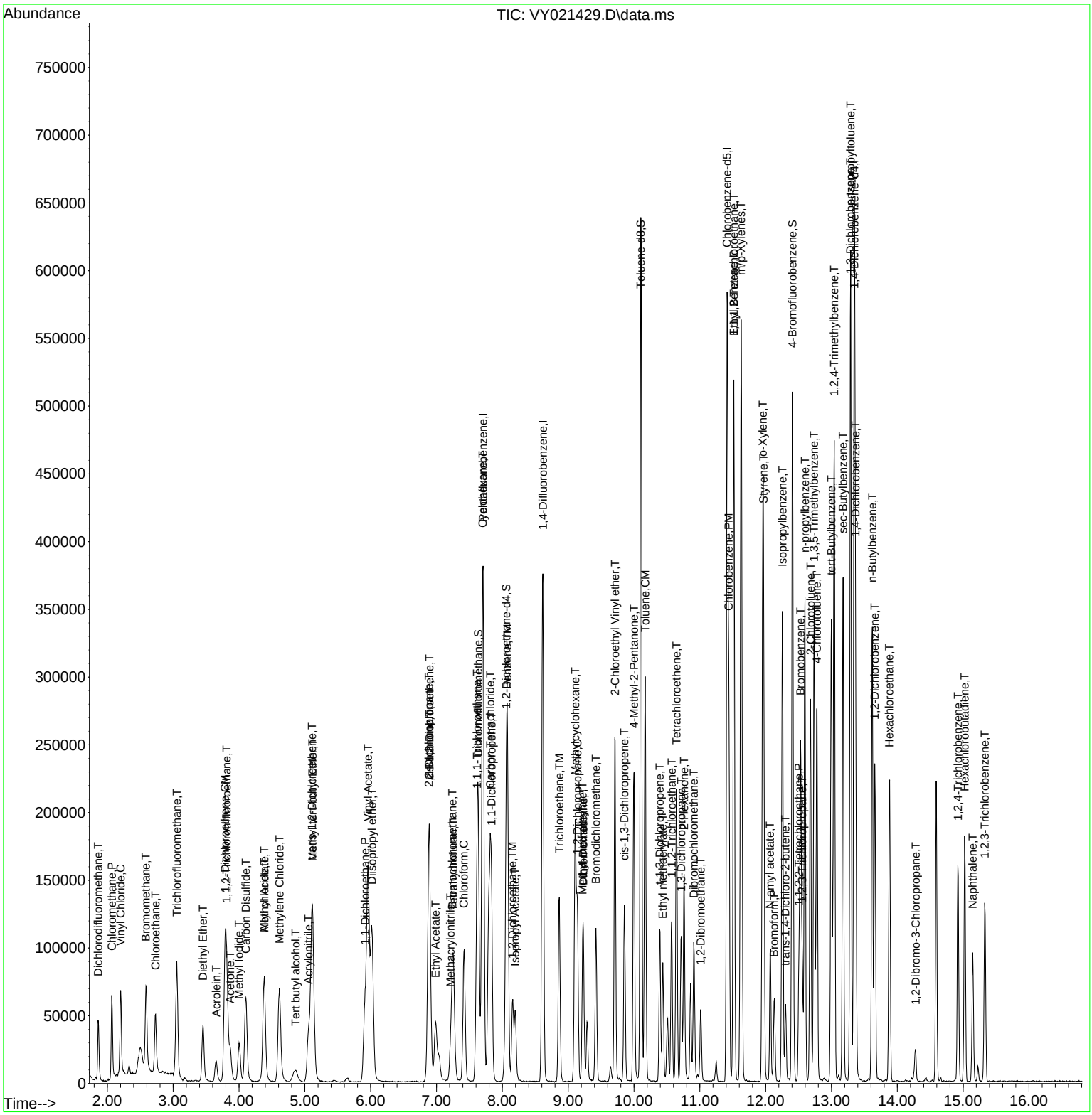
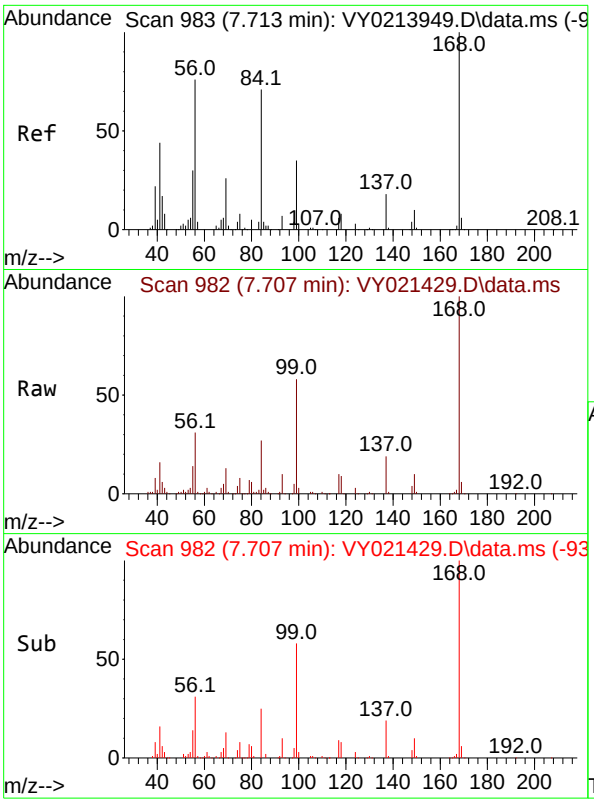
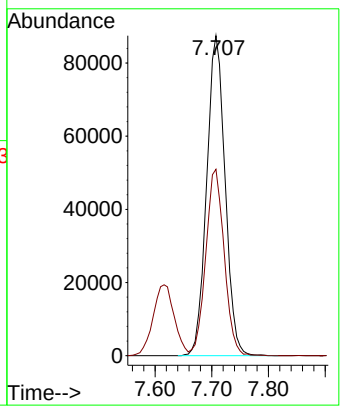




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:168 Resp: 19719

Ion	Ratio	Lower	Upper
168	100		
99	58.2	46.0	69.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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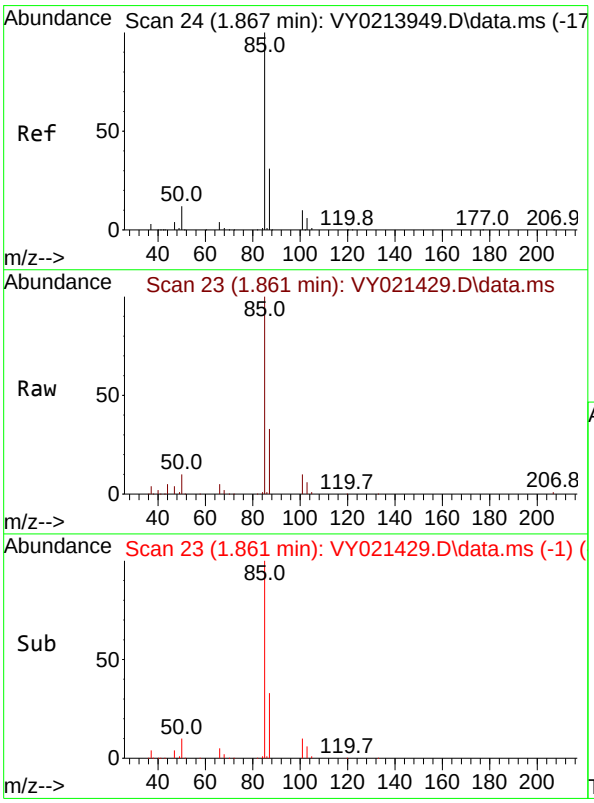
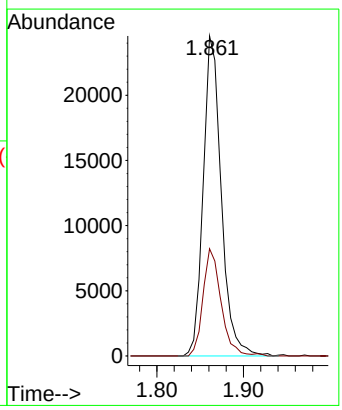
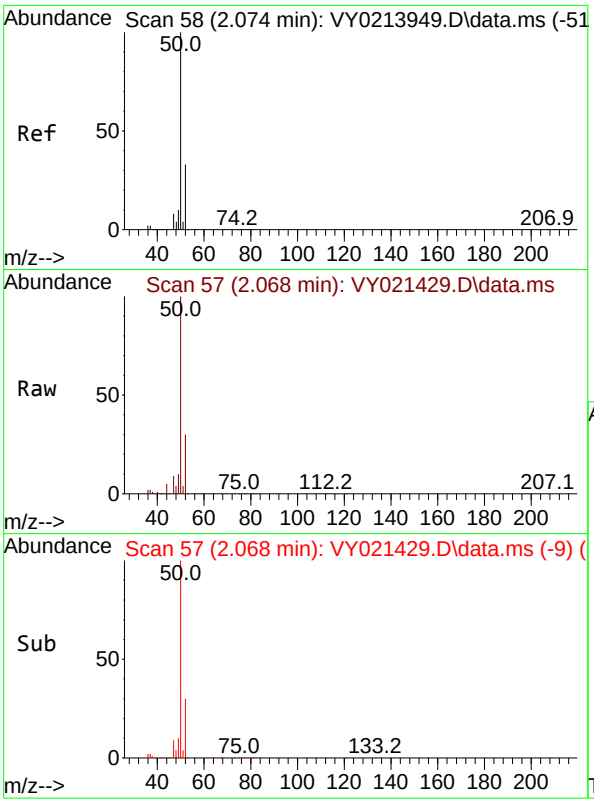


#2
Dichlorodifluoromethane
Concen: 19.650 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 85 Resp: 35558

Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.7	47.0





#3
Chloromethane
Concen: 20.755 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 50 Resp: 5294

Ion	Ratio	Lower	Upper
50	100		
52	30.4	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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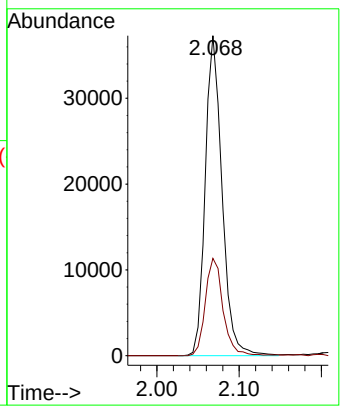
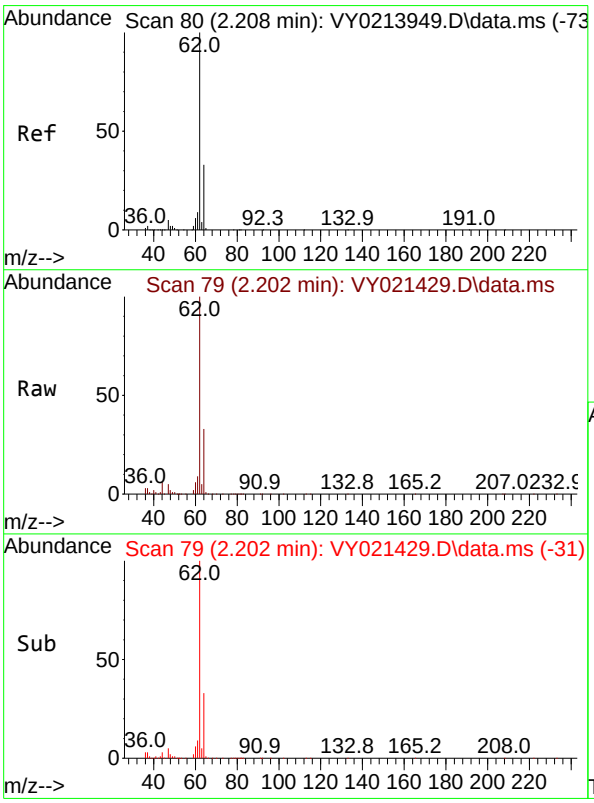
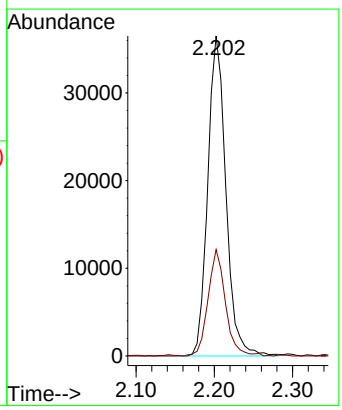


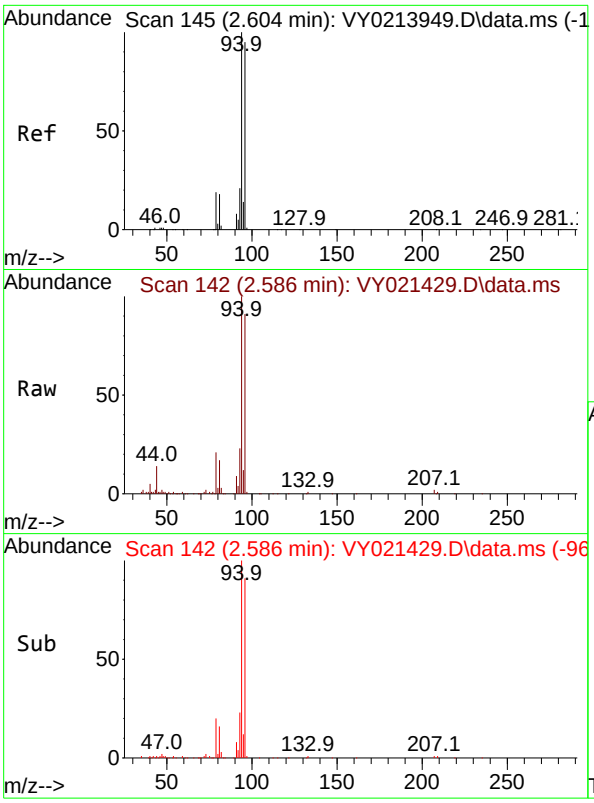


#4
Vinyl Chloride
Concen: 21.049 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 62 Resp: 58685

Ion	Ratio	Lower	Upper
62	100		
64	33.1	26.2	39.2

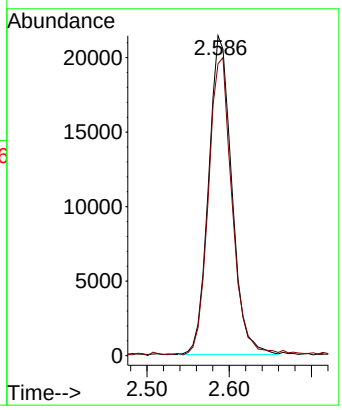




#5
Bromomethane
Concen: 20.863 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.018 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 94 Resp: 4203

Ion	Ratio	Lower	Upper
94	100		
96	90.8	76.3	114.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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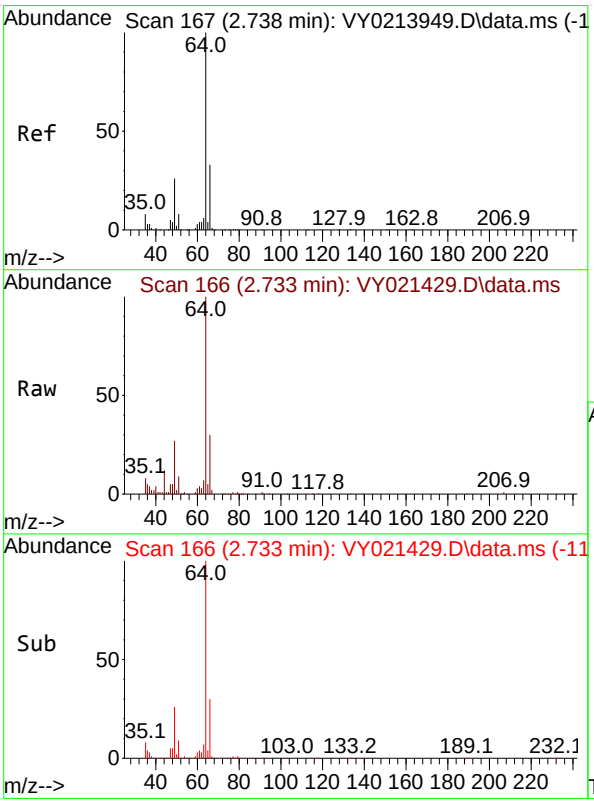
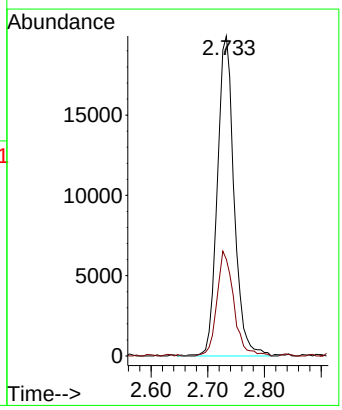
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

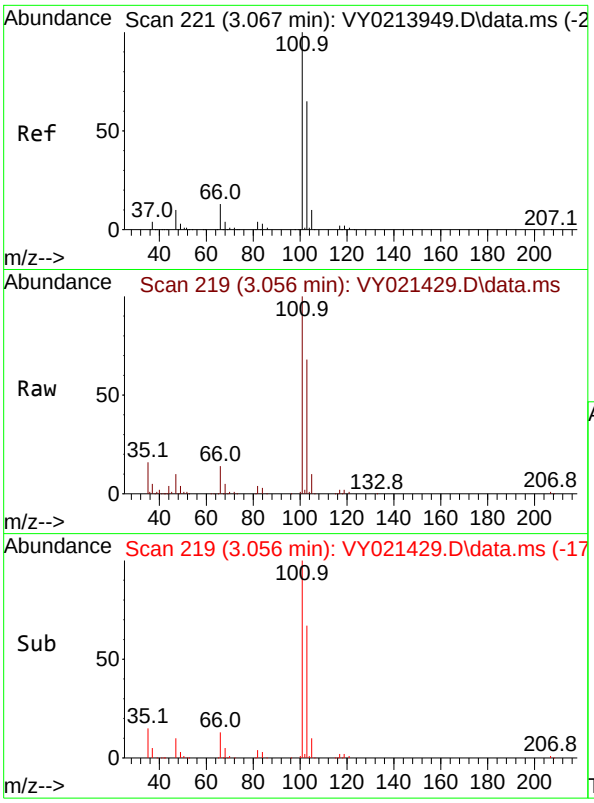


#6
Chloroethane
Concen: 22.158 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 64 Resp: 40824

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.7	40.1





#7
Trichlorofluoromethane
Concen: 20.774 ug/l
RT: 3.056 min Scan# 2
Delta R.T. -0.012 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:101 Resp: 8083

Ion	Ratio	Lower	Upper
101	100		
103	67.6	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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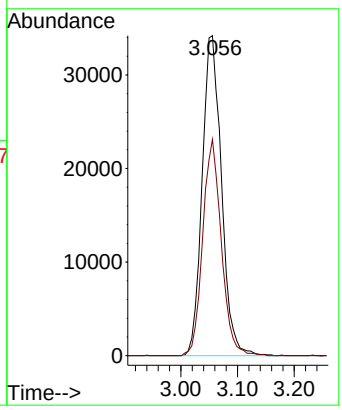
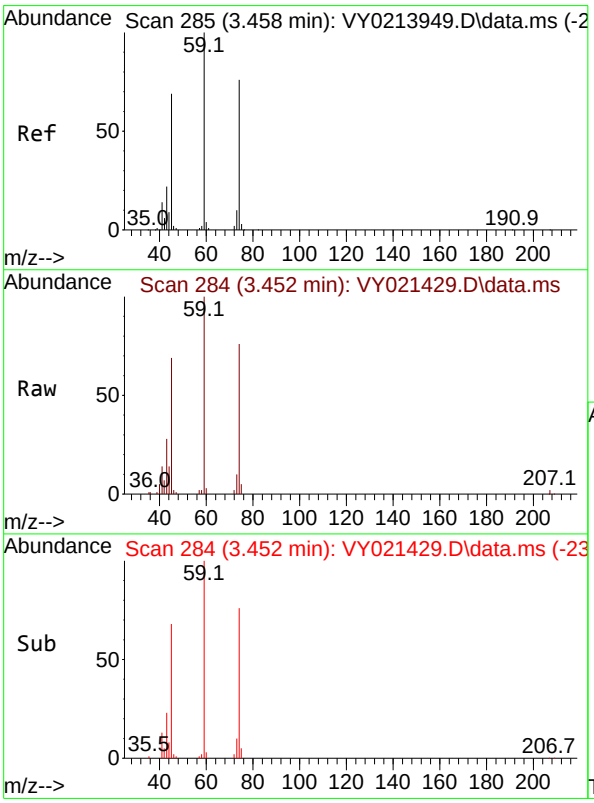
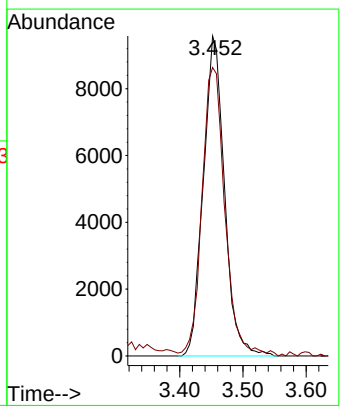


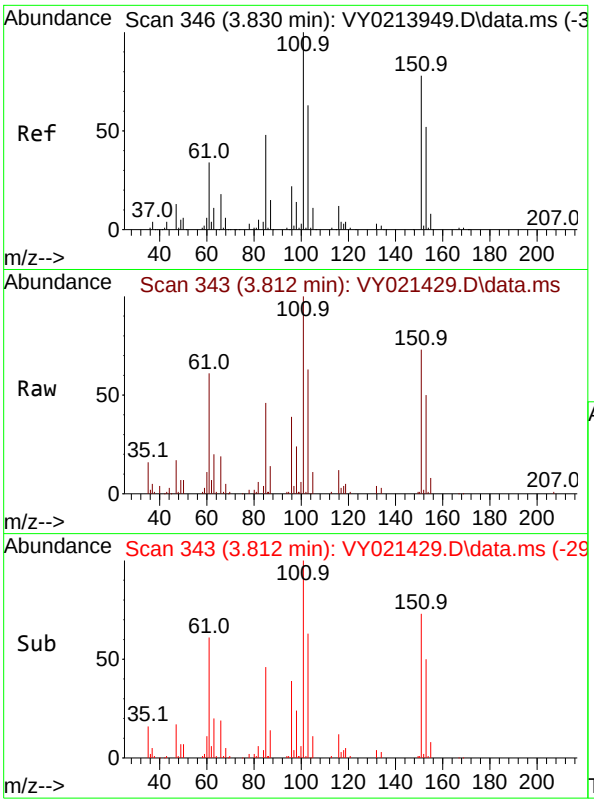


#8
Diethyl Ether
Concen: 20.722 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 74 Resp: 22347

Ion	Ratio	Lower	Upper
74	100		
45	97.3	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.799 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.018 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:101 Resp: 4398

Ion	Ratio	Lower	Upper
101	100		
85	46.7	37.1	55.7
151	76.6	62.1	93.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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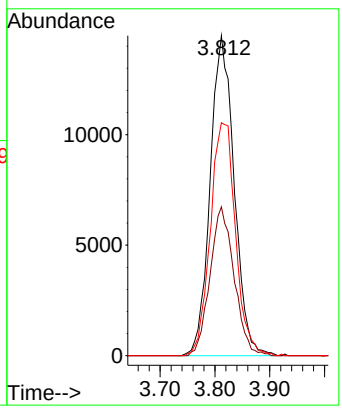
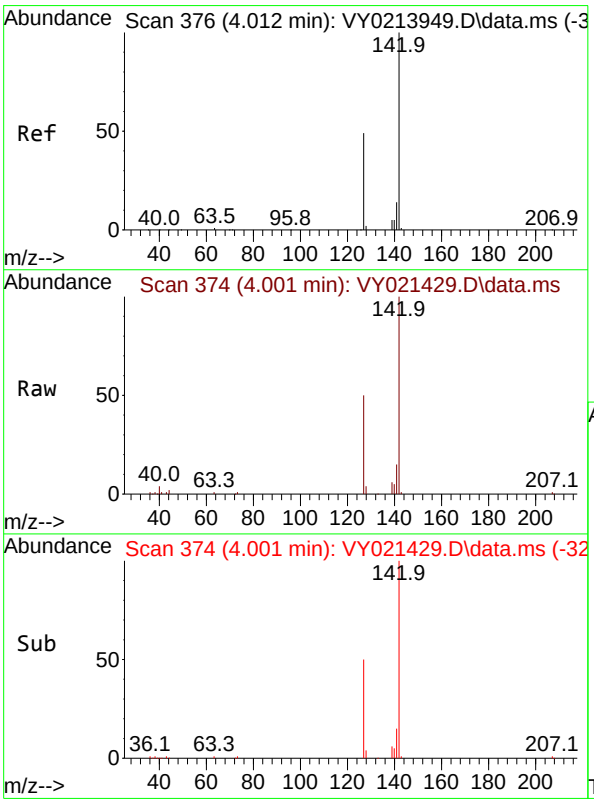
Supervised By :Semsettin Yesilyurt 03/07/2025

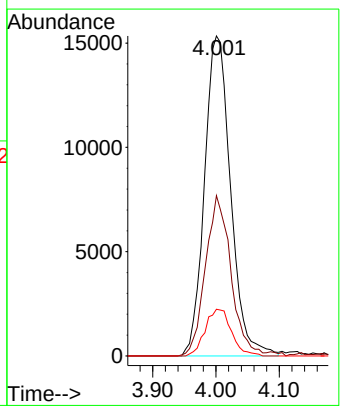


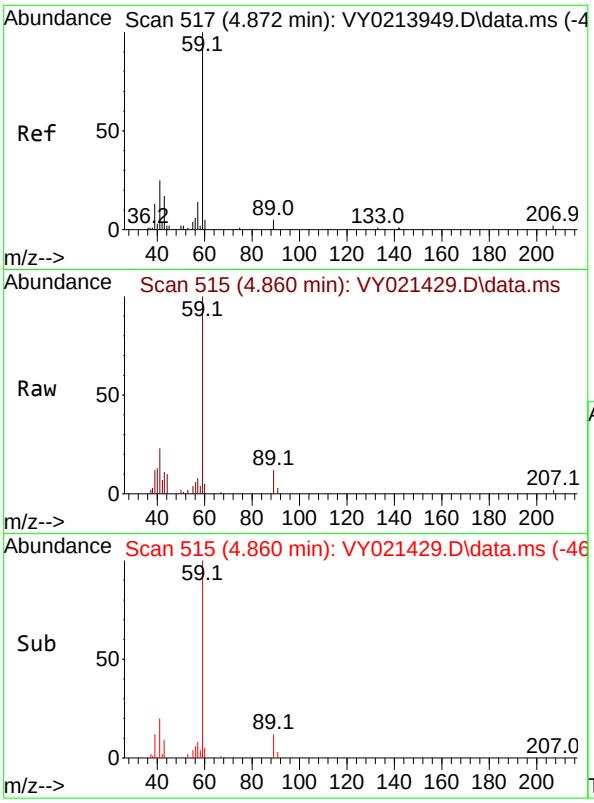


#10
Methyl Iodide
Concen: 19.522 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.012 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:142 Resp: 44089

Ion	Ratio	Lower	Upper
142	100		
127	48.8	39.1	58.7
141	14.7	11.8	17.6





#11
Tert butyl alcohol
Concen: 113.220 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 59 Resp: 1701

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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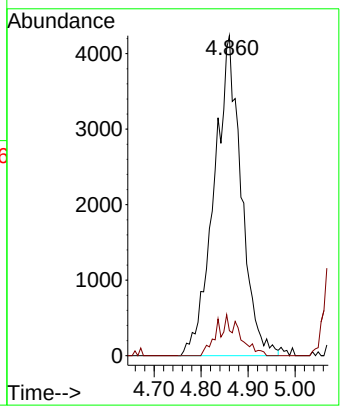
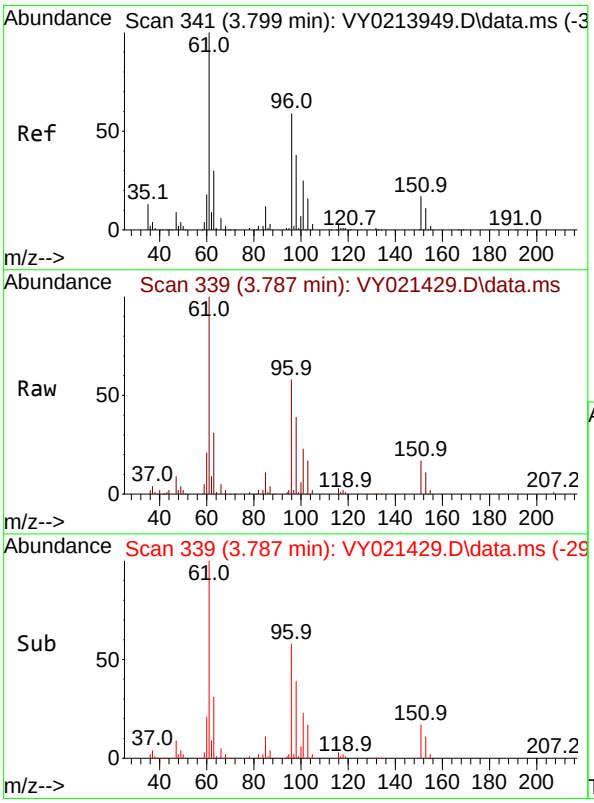
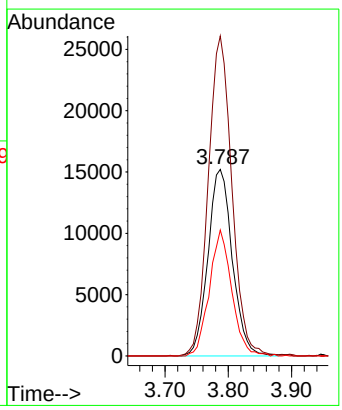


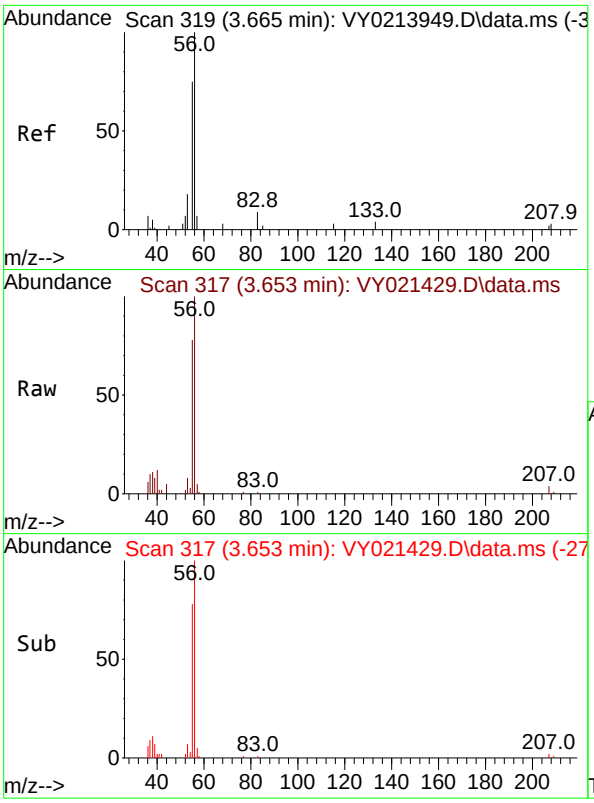


#12
1,1-Dichloroethene
Concen: 20.129 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 96 Resp: 40773

Ion	Ratio	Lower	Upper
96	100		
61	171.5	135.2	202.8
98	67.5	51.4	77.2





#13
Acrolein
Concen: 161.514 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 56 Resp: 1712

Ion	Ratio	Lower	Upper
56	100		
55	76.0	63.4	95.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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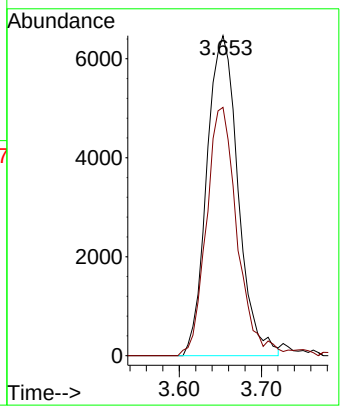
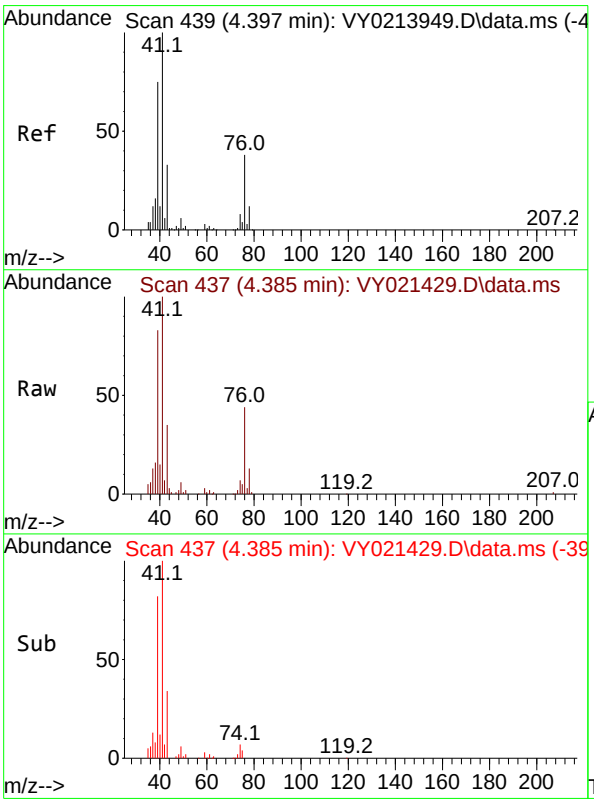
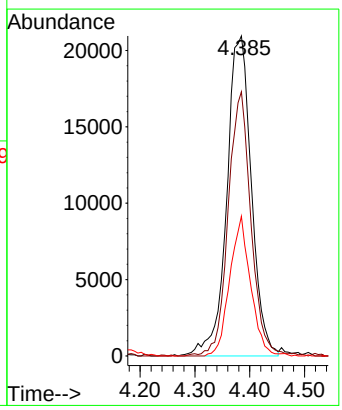


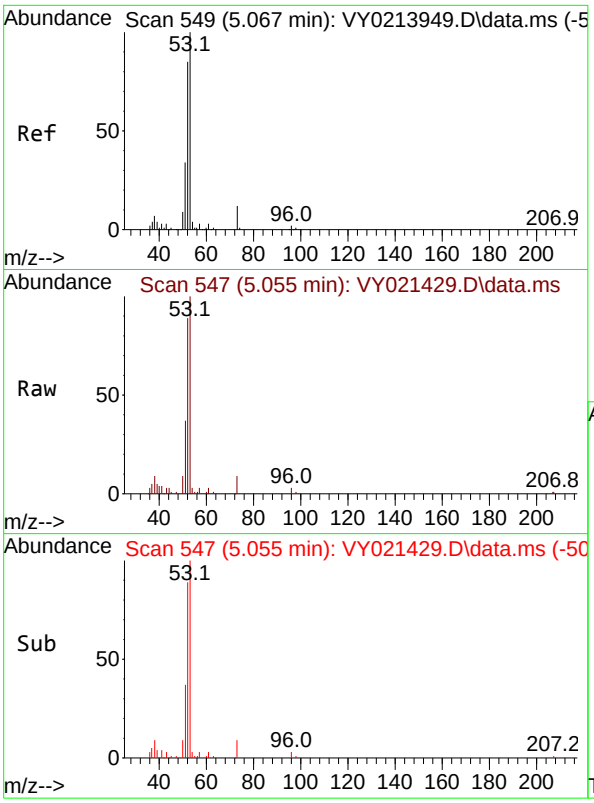


#14
Allyl chloride
Concen: 19.993 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 41 Resp: 65445

Ion	Ratio	Lower	Upper
41	100		
39	76.4	59.3	88.9
76	37.0	29.8	44.8

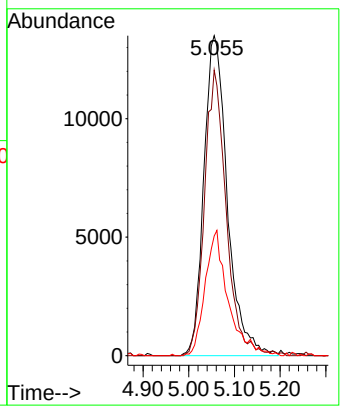




#15
Acrylonitrile
Concen: 105.132 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 53 Resp: 4826

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.3	99.5
51	38.4	30.3	45.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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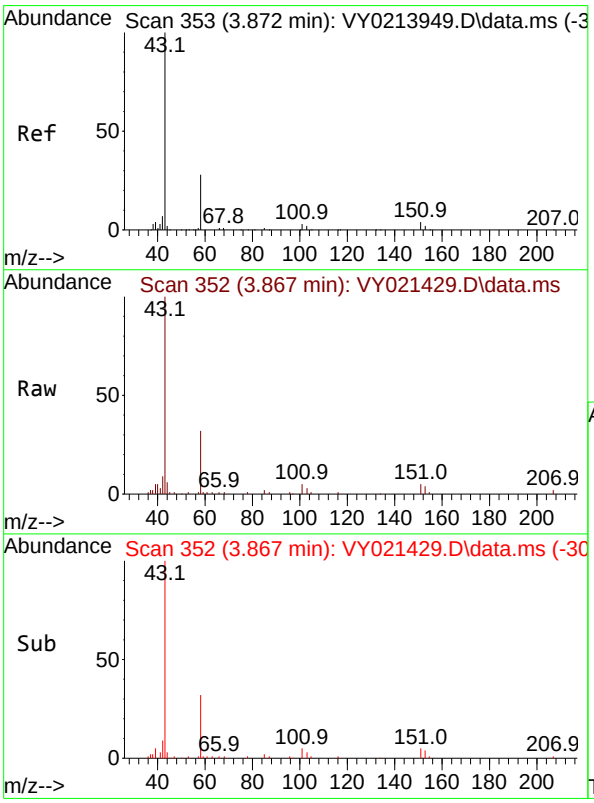
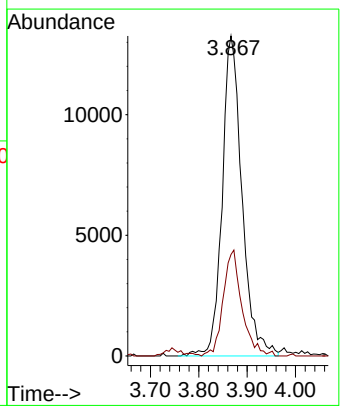
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

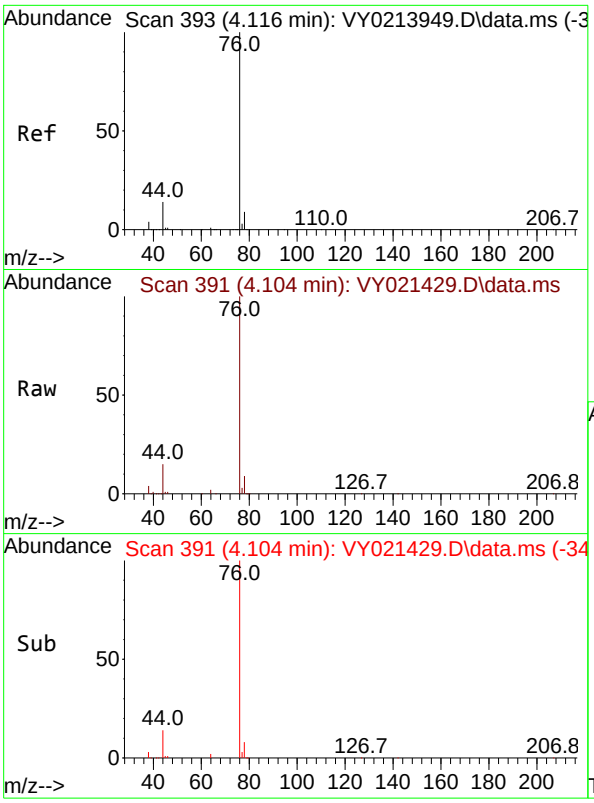


#16
Acetone
Concen: 83.130 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.005 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 43 Resp: 37789

Ion	Ratio	Lower	Upper
43	100		
58	31.7	22.1	33.1

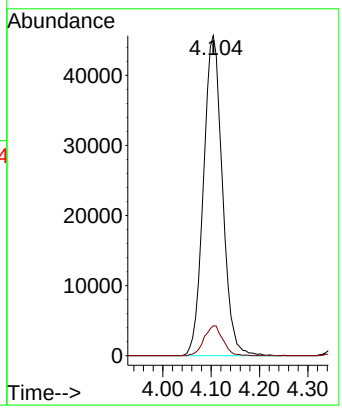




#17
Carbon Disulfide
Concen: 19.532 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 76 Resp: 12398

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

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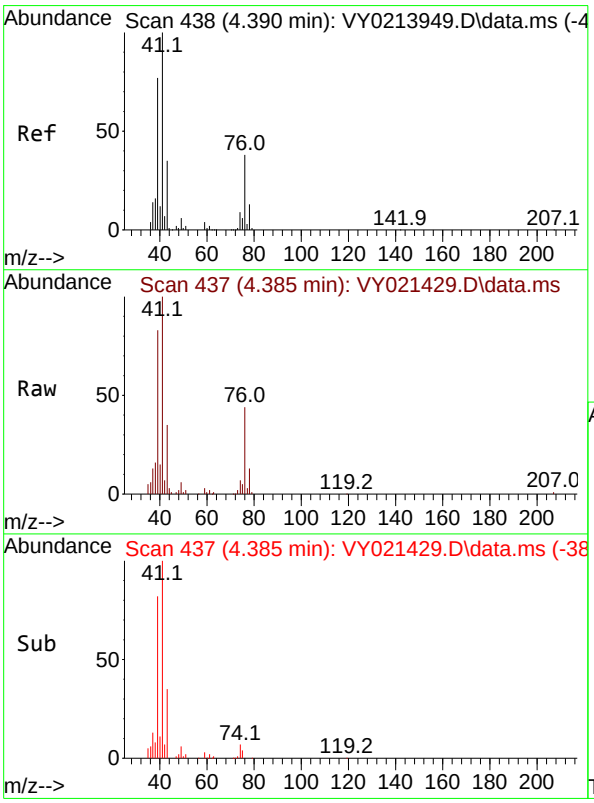
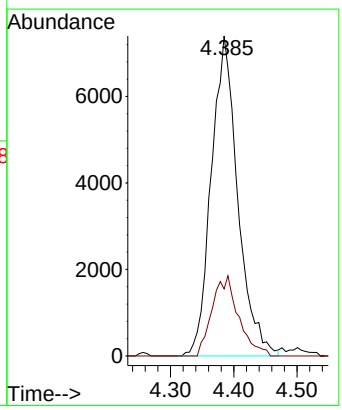
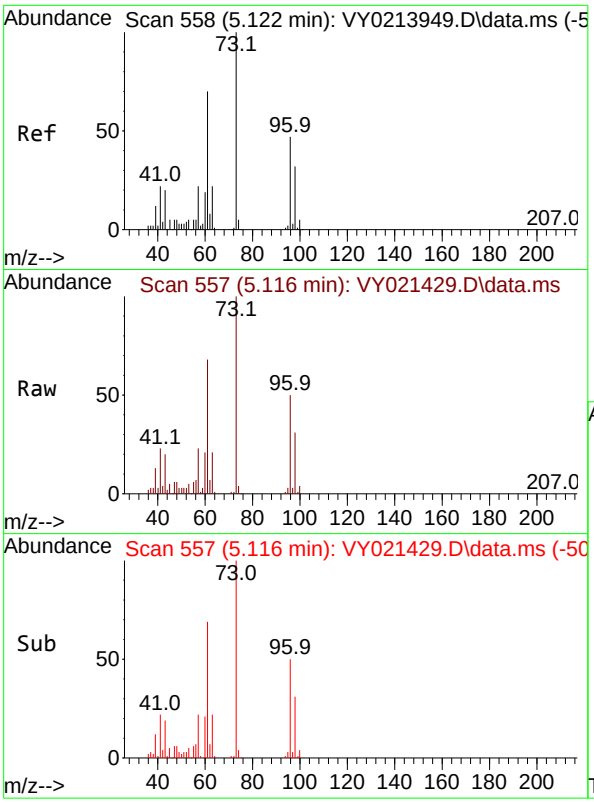


#18
Methyl Acetate
Concen: 21.336 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 43 Resp: 21520

Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.4	29.0

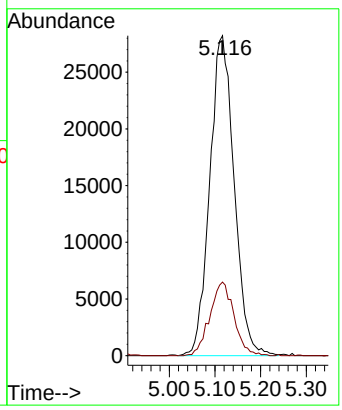




#19
Methyl tert-butyl Ether
Concen: 20.396 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 73 Resp: 10471

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.9	26.9



Instrument :
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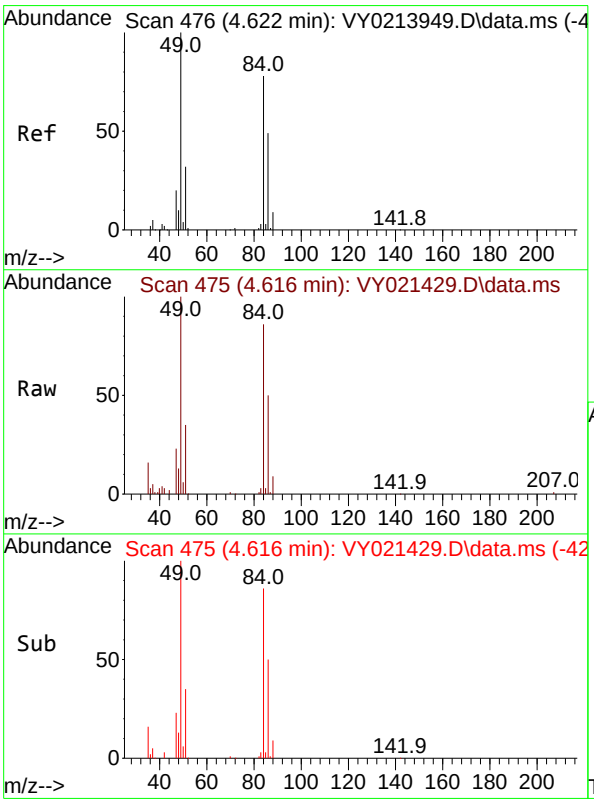
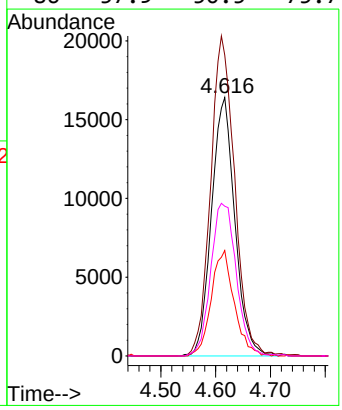
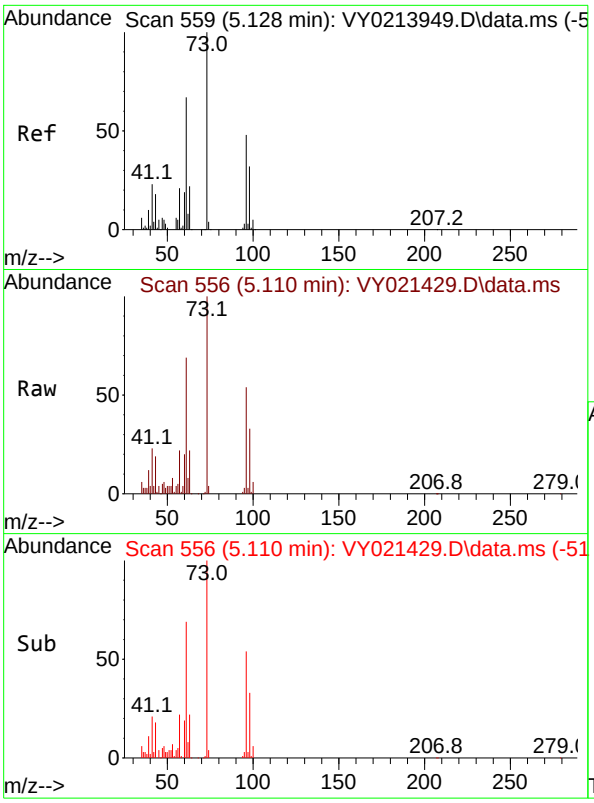


#20
Methylene Chloride
Concen: 20.374 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 84 Resp: 48615

Ion	Ratio	Lower	Upper
84	100		
49	116.4	102.0	153.0
51	40.8	33.0	49.6
86	57.9	50.5	75.7





#21
trans-1,2-Dichloroethene
Concen: 20.068 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 96 Resp: 4552

Ion	Ratio	Lower	Upper
96	100		
61	127.3	111.5	167.3
98	60.9	53.8	80.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

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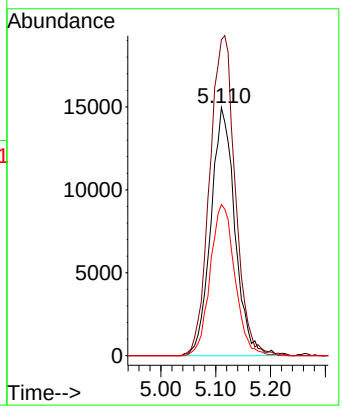
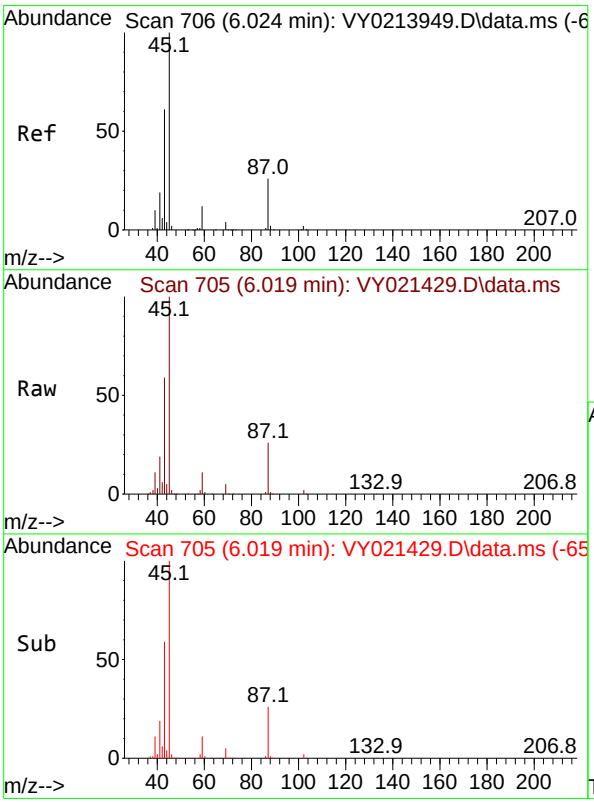
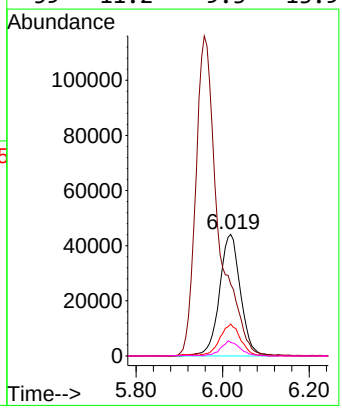


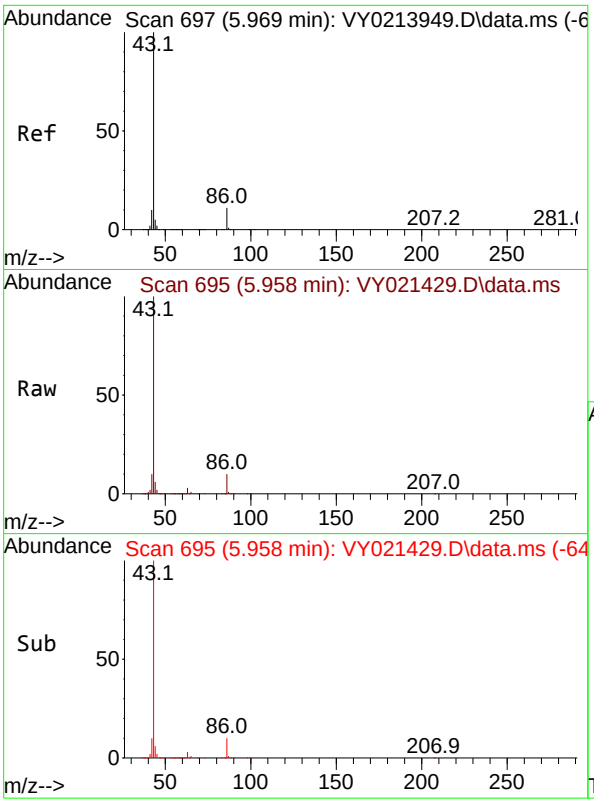


#22
Diisopropyl ether
Concen: 21.102 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 45 Resp: 148861

Ion	Ratio	Lower	Upper
45	100		
43	58.3	48.7	73.1
87	26.2	21.5	32.3
59	11.2	9.3	13.9





#23
Vinyl Acetate
Concen: 104.026 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.012 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 43 Resp: 41881

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

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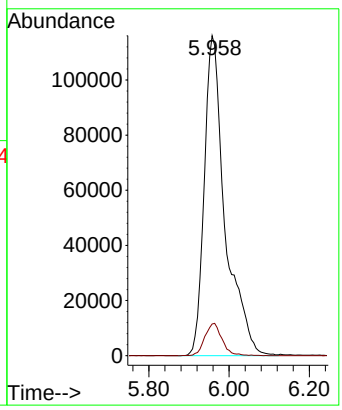
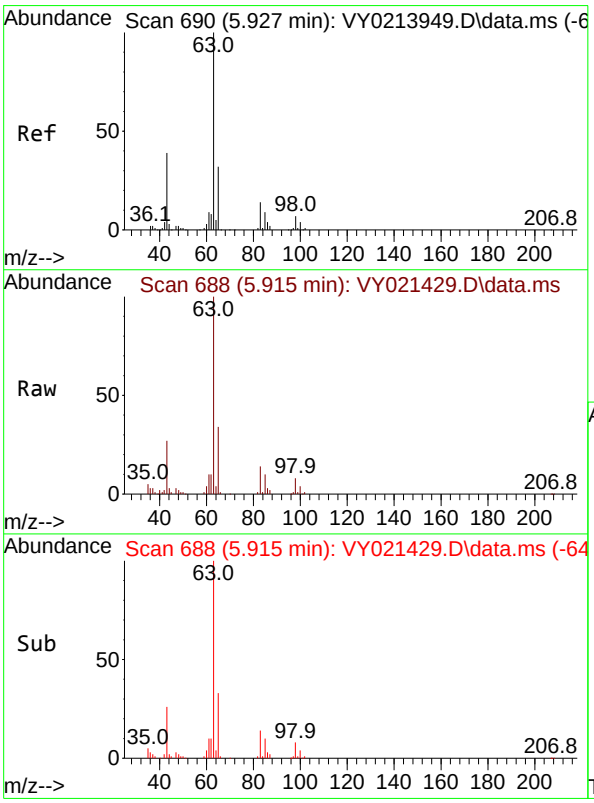
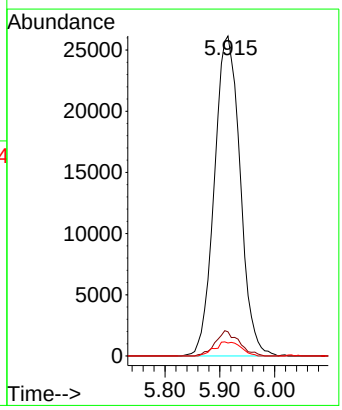


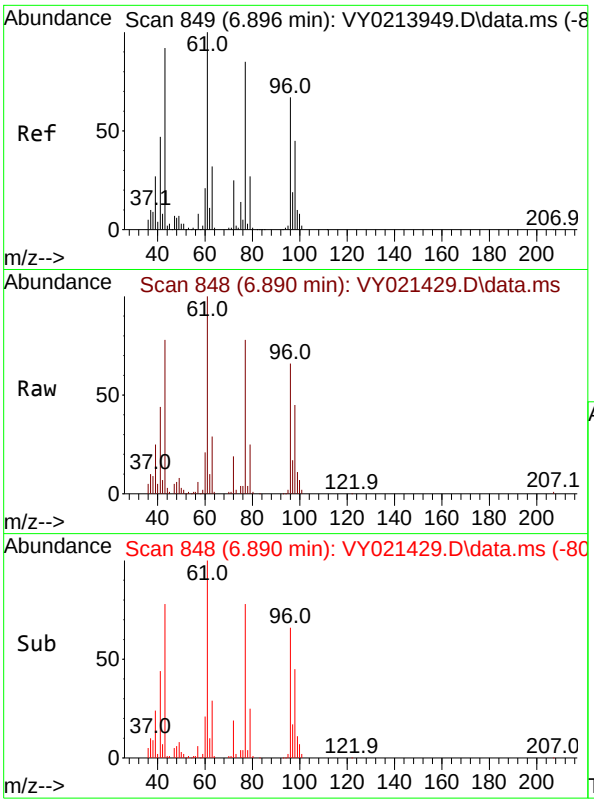


#24
1,1-Dichloroethane
Concen: 20.483 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.012 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 63 Resp: 85283

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.3	9.9
100	4.1	2.1	6.5





#25
2-Butanone
Concen: 95.309 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 43 Resp: 5993

Ion	Ratio	Lower	Upper
43	100		
72	25.0	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

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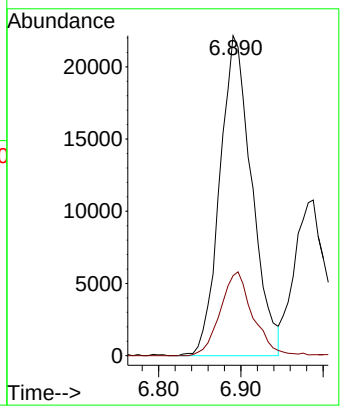
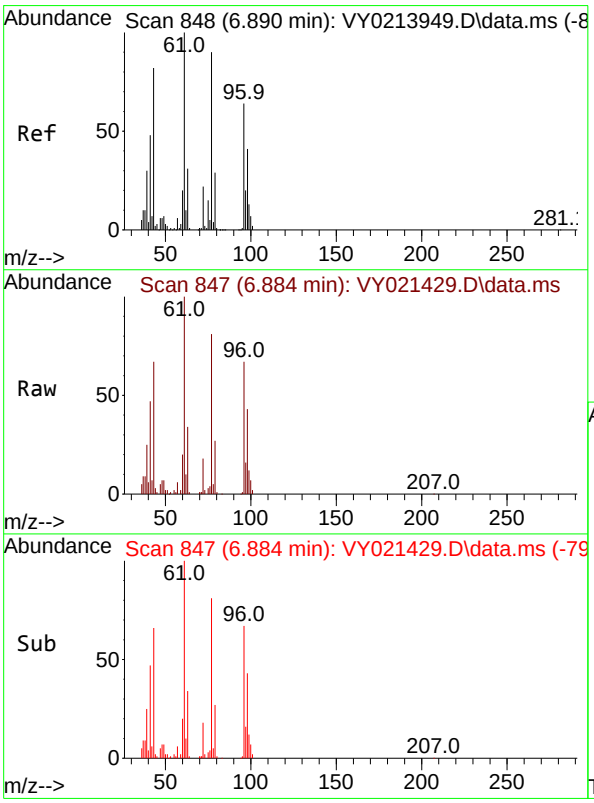
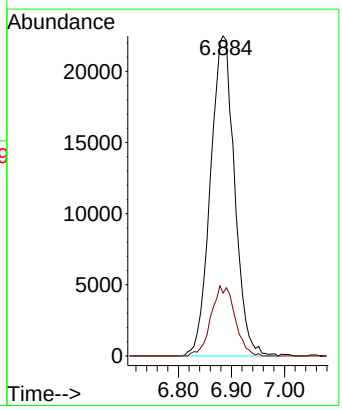


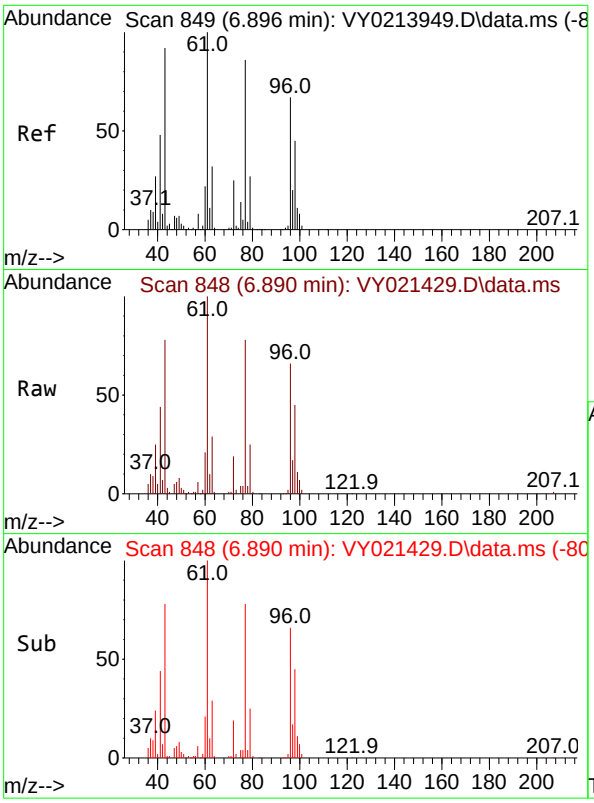


#26
2,2-Dichloropropane
Concen: 18.521 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 77 Resp: 70954

Ion	Ratio	Lower	Upper
77	100		
97	21.7	11.3	33.8

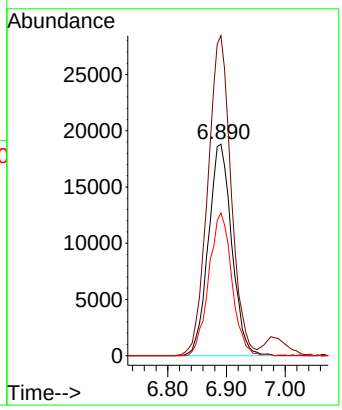




#27
cis-1,2-Dichloroethene
Concen: 20.160 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 96 Resp: 5195

Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	300.8
98	66.7	0.0	130.0



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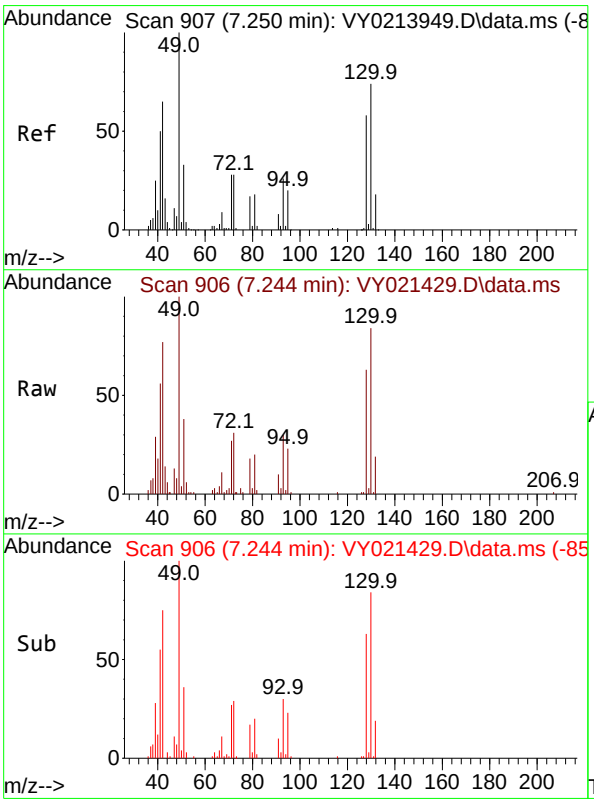
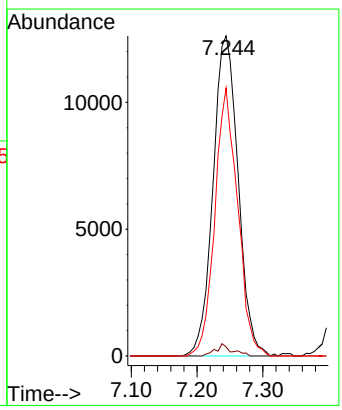
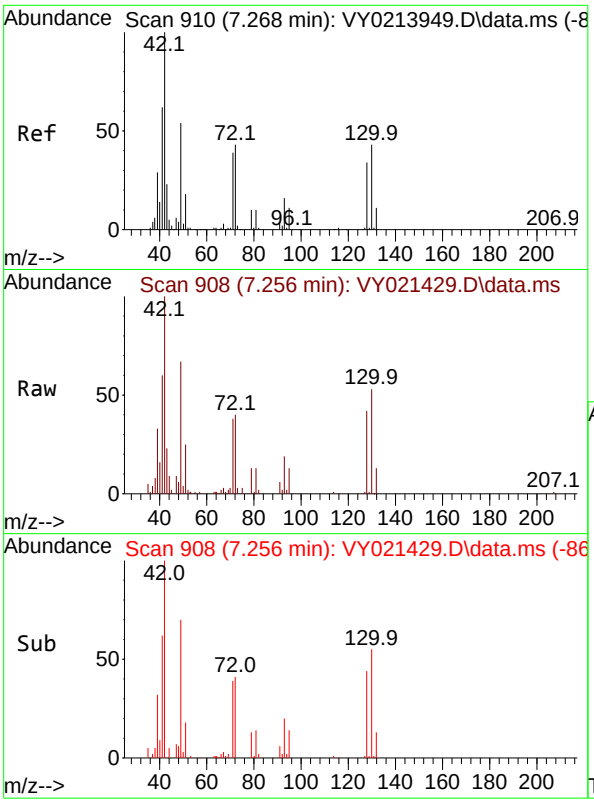


#28
Bromochloromethane
Concen: 19.224 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 49 Resp: 33556

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	76.2	59.6	89.4





#29
Tetrahydrofuran
Concen: 103.753 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 42 Resp: 4027

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.8	52.2
71	39.5	32.6	48.8

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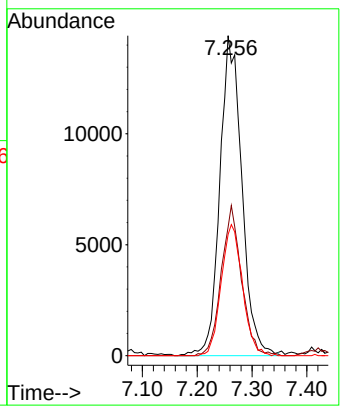
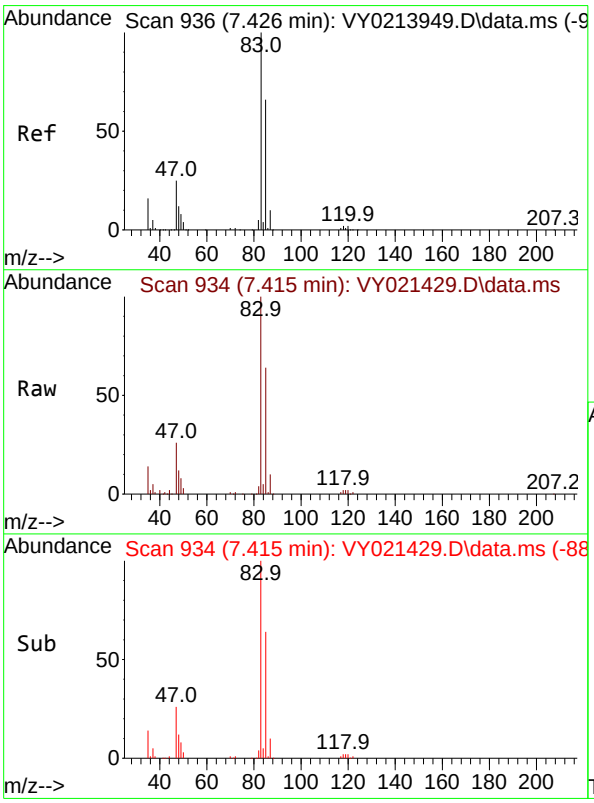
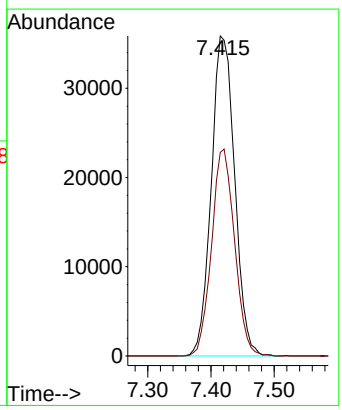


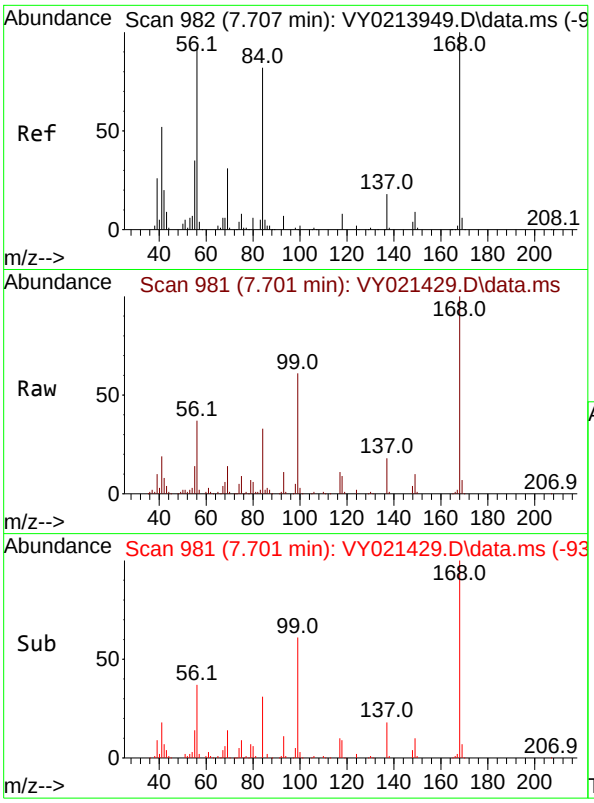


#30
Chloroform
Concen: 21.273 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.012 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 83 Resp: 91972

Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.1	79.7





#31
Cyclohexane
Concen: 18.788 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 56 Resp: 7333

Ion	Ratio	Lower	Upper
56	100		
69	37.5	27.0	40.4
84	86.0	71.1	106.7

Instrument :
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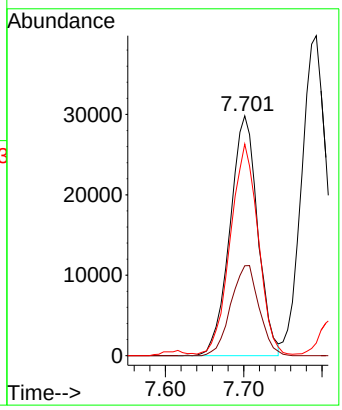
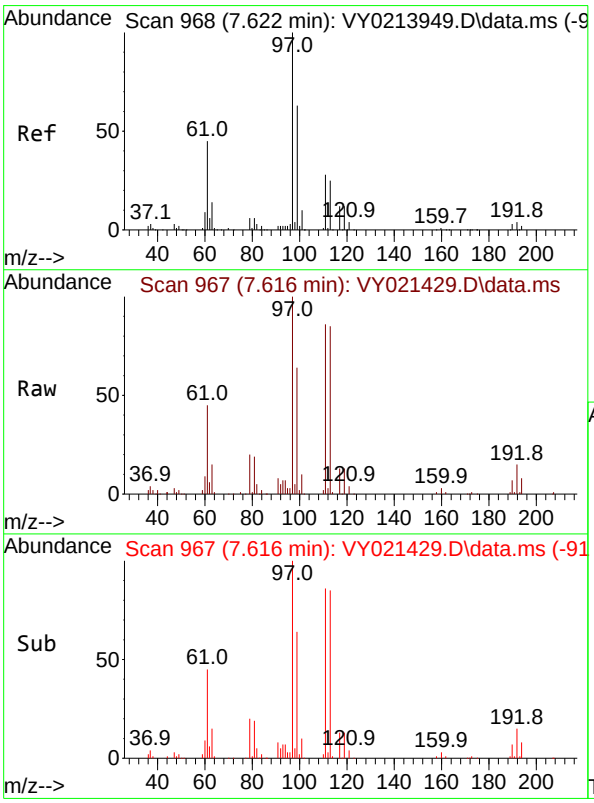
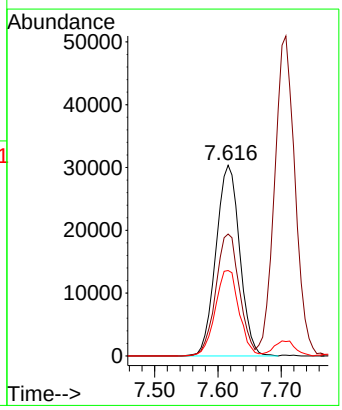


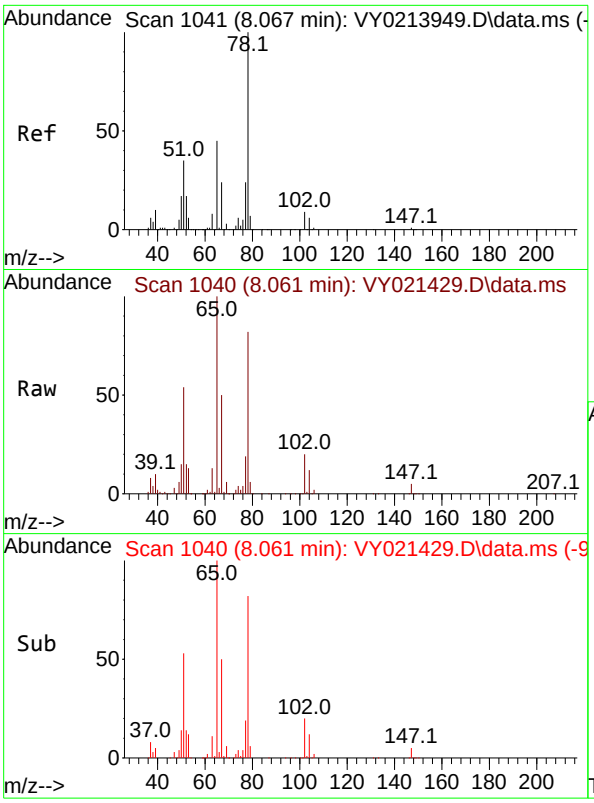


#32
1,1,1-Trichloroethane
Concen: 19.991 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 97 Resp: 79136

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.7	77.5
61	44.9	35.7	53.5

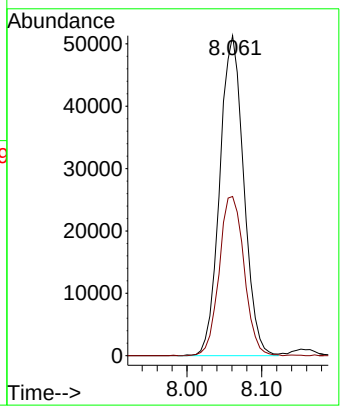




#33
1,2-Dichloroethane-d4
Concen: 54.963 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 65 Resp: 11455

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.8



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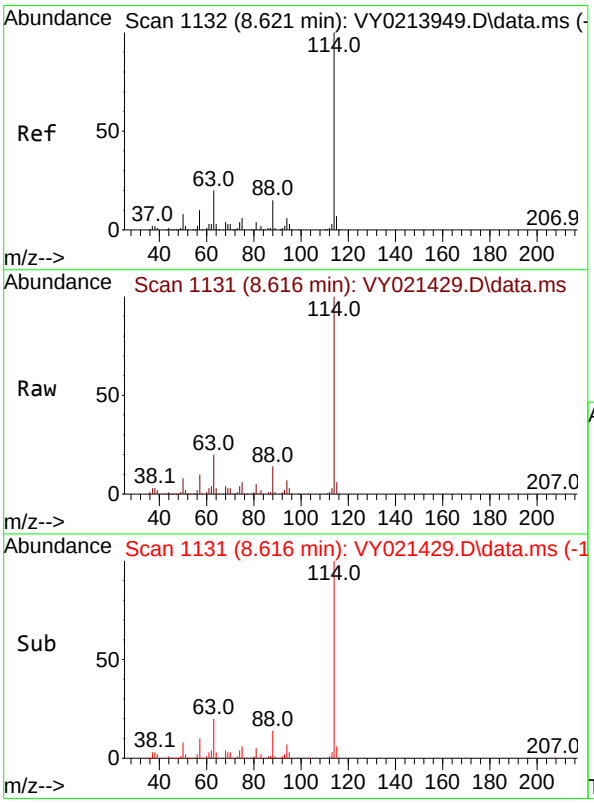
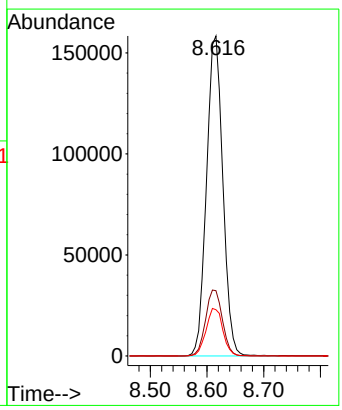
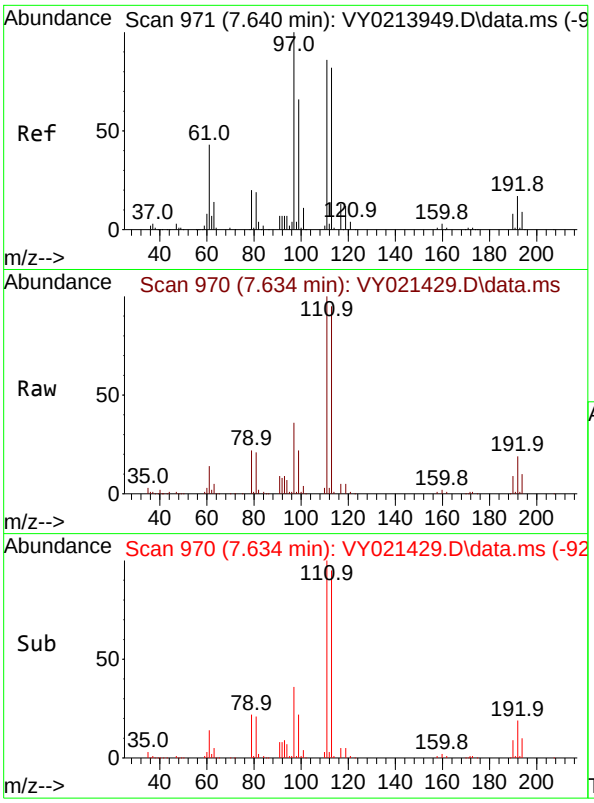


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:114 Resp: 317024

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	14.5	0.0	30.8

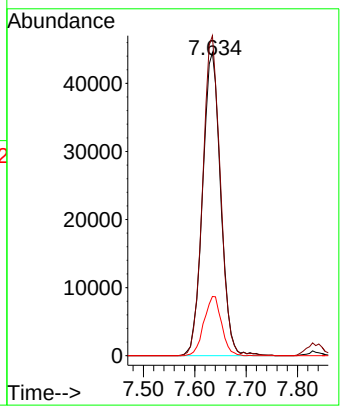




#35
Dibromofluoromethane
Concen: 52.046 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:113 Resp: 10845

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.0	123.0
192	19.1	15.9	23.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

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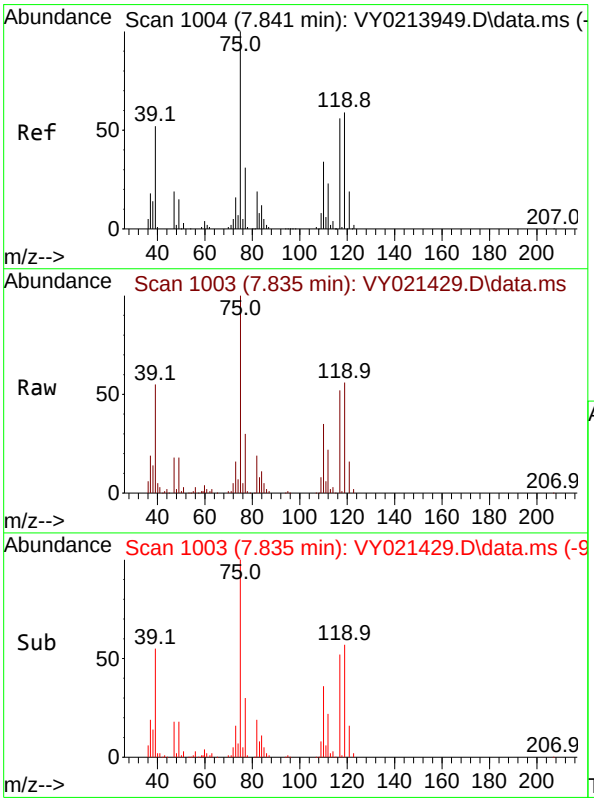
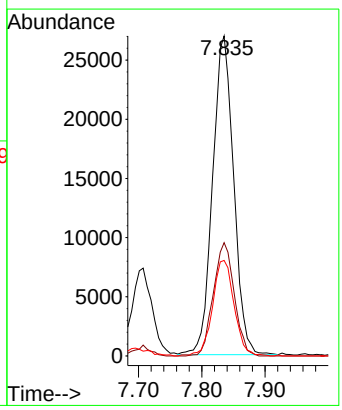
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

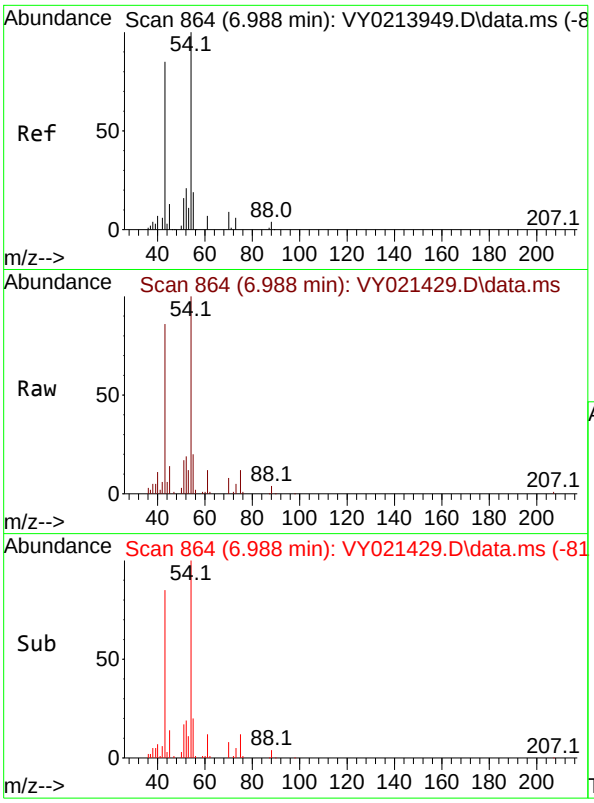


#36
1,1-Dichloropropene
Concen: 19.082 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 75 Resp: 62244

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.3	51.7
77	30.8	25.4	38.2





#37
Ethyl Acetate
Concen: 20.235 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 43 Resp: 2917

Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.4	17.0
70	11.0	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
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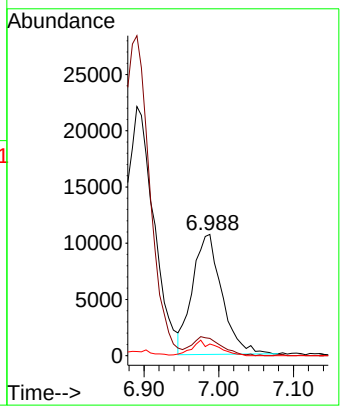
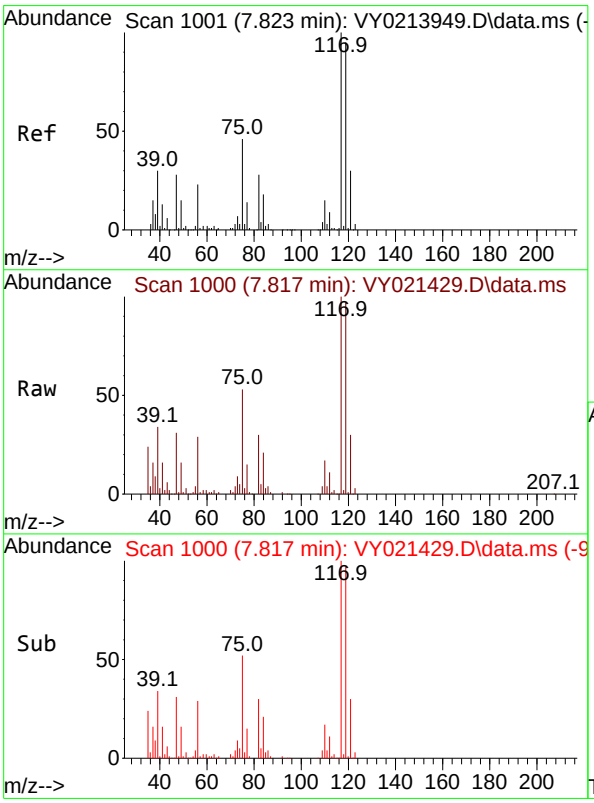
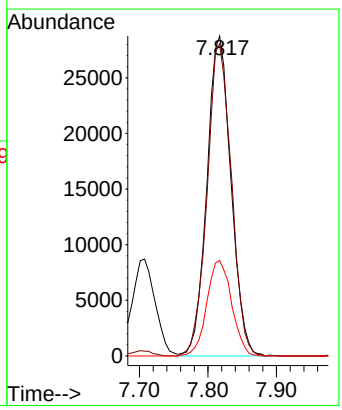


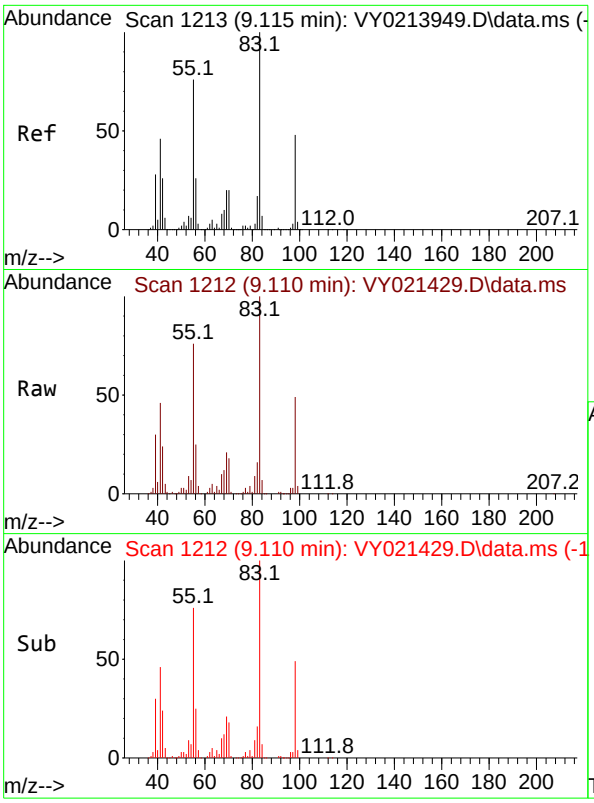


#38
Carbon Tetrachloride
Concen: 18.730 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:117 Resp: 70264

Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.8	113.8
121	29.9	23.9	35.9





#39
Methylcyclohexane
Concen: 18.173 ug/l
RT: 9.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 83 Resp: 7271

Ion	Ratio	Lower	Upper
83	100		
55	76.4	60.7	91.1
98	49.3	38.6	57.8

Instrument :
MSVOA_Y
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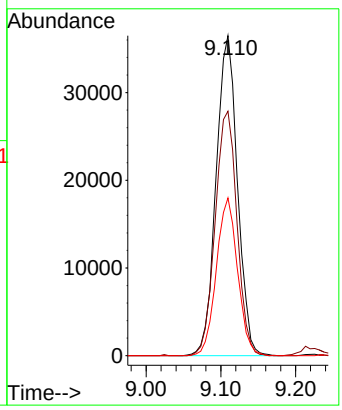
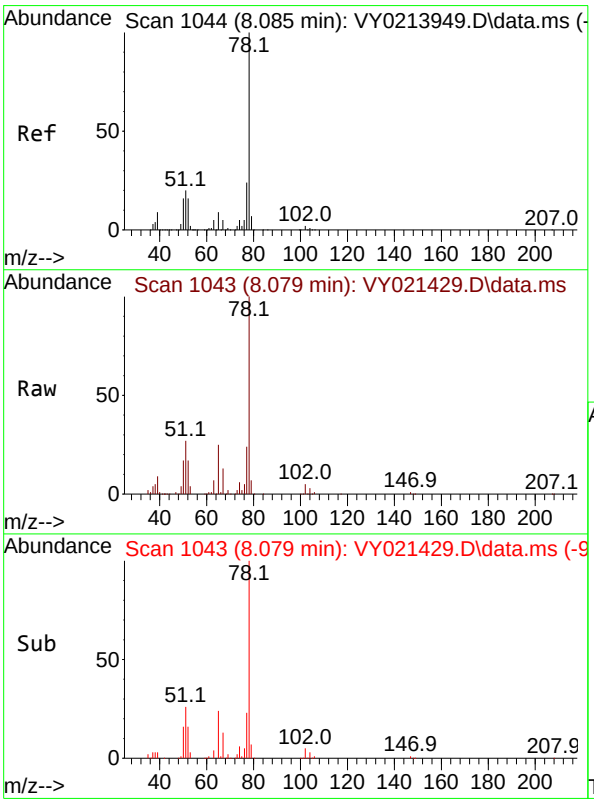
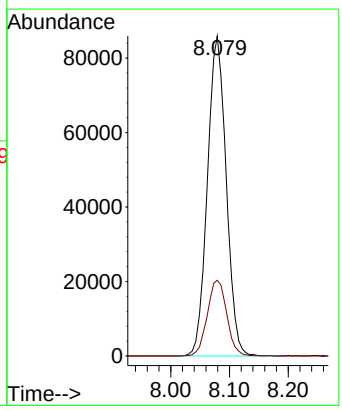


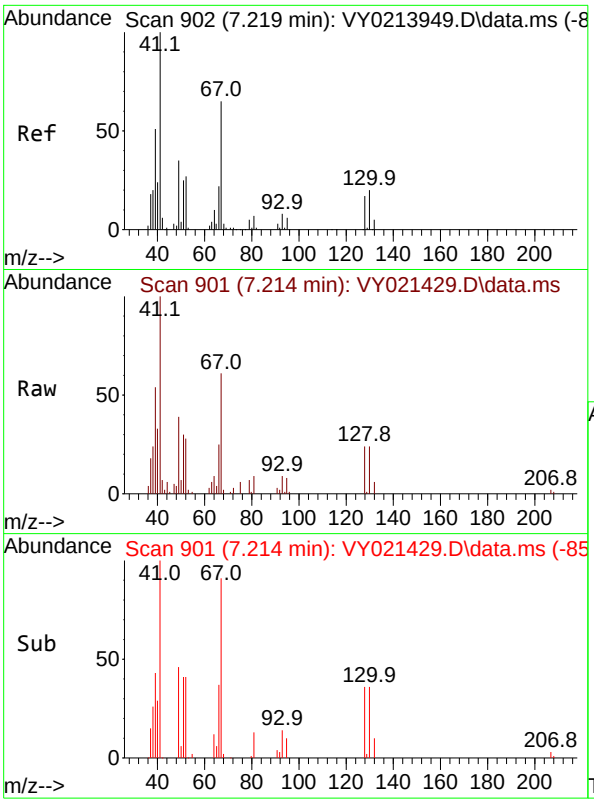


#40
Benzene
Concen: 19.869 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 78 Resp: 190921

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4

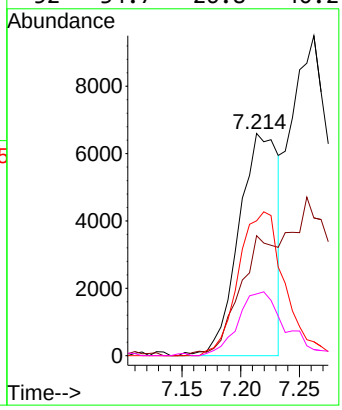




#41
Methacrylonitrile
Concen: 19.460 ug/l
RT: 7.214 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 41 Resp: 1527

Ion	Ratio	Lower	Upper
41	100		
39	52.4	35.0	52.6
67	77.5	61.2	91.8
52	34.7	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
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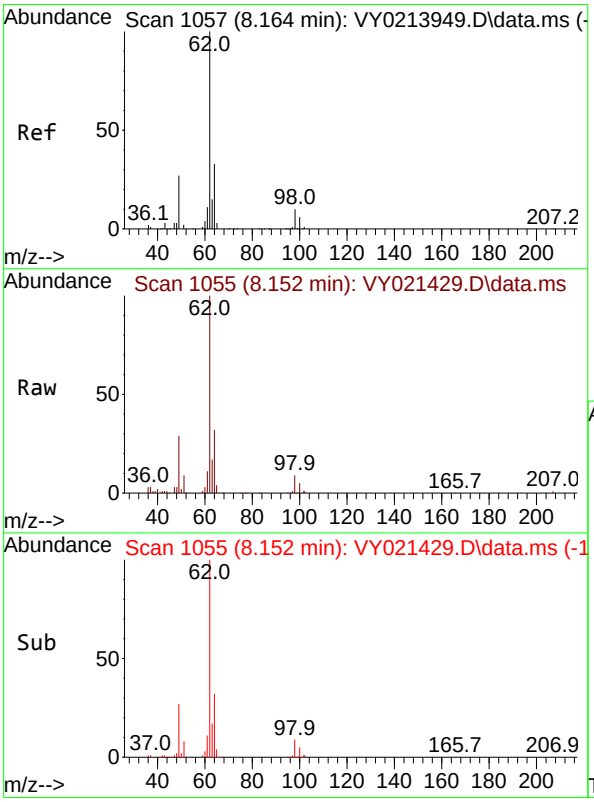
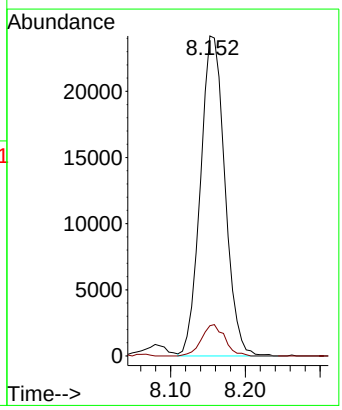
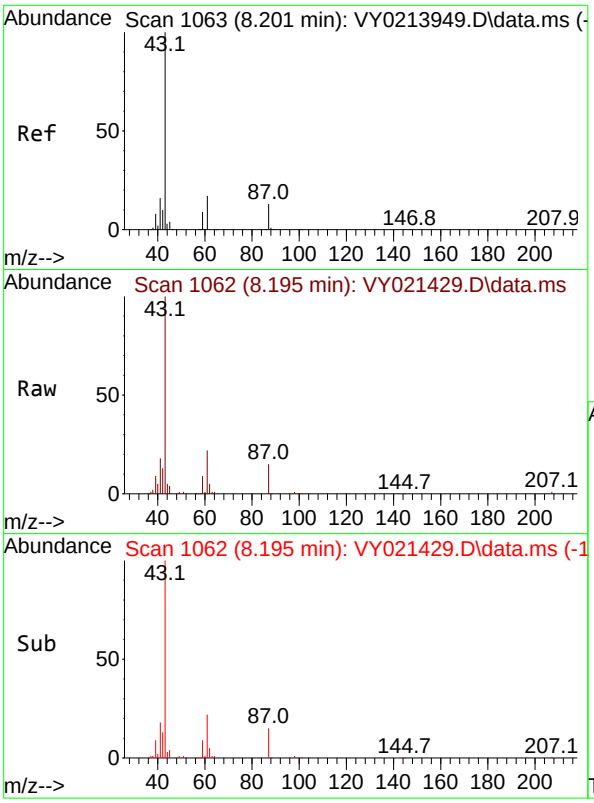


#42
1,2-Dichloroethane
Concen: 20.446 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 62 Resp: 54960

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43
Isopropyl Acetate
Concen: 19.581 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 43 Resp: 5480

Ion	Ratio	Lower	Upper
43	100		
61	19.8	23.4	35.0
87	13.1	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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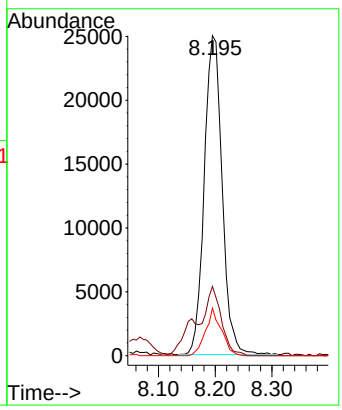
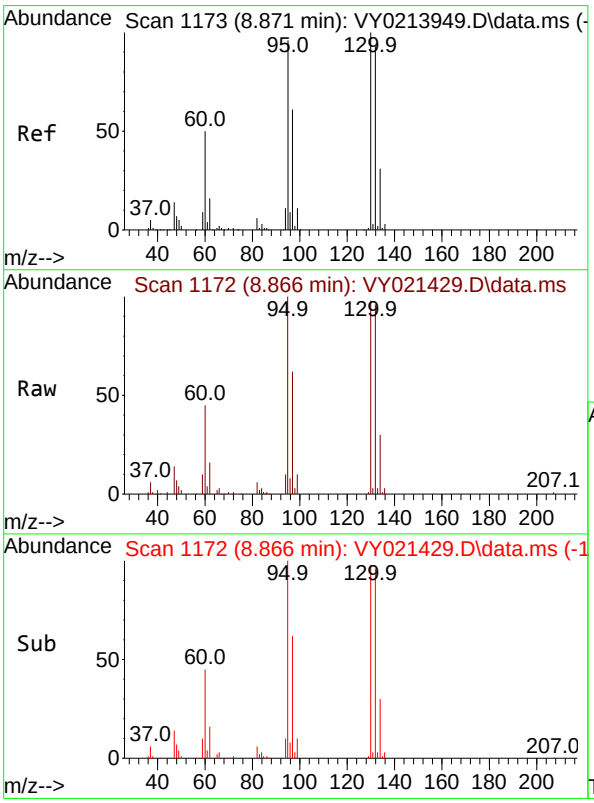
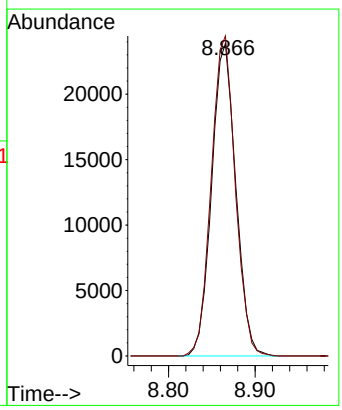


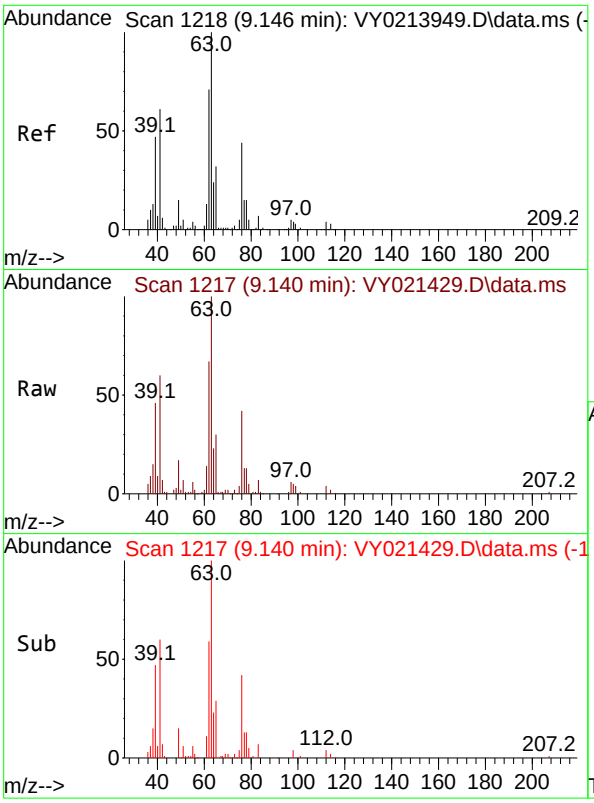


#44
Trichloroethene
Concen: 19.025 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:130 Resp: 46195

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	191.6





#45
1,2-Dichloropropane
Concen: 20.478 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 63 Resp: 4683

Ion	Ratio	Lower	Upper
63	100		
65	29.5	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

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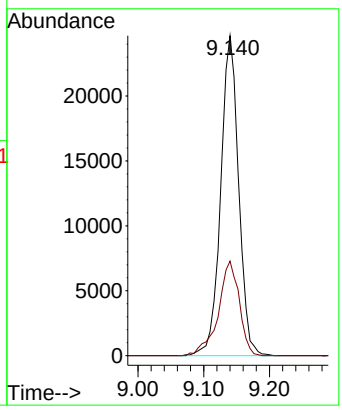
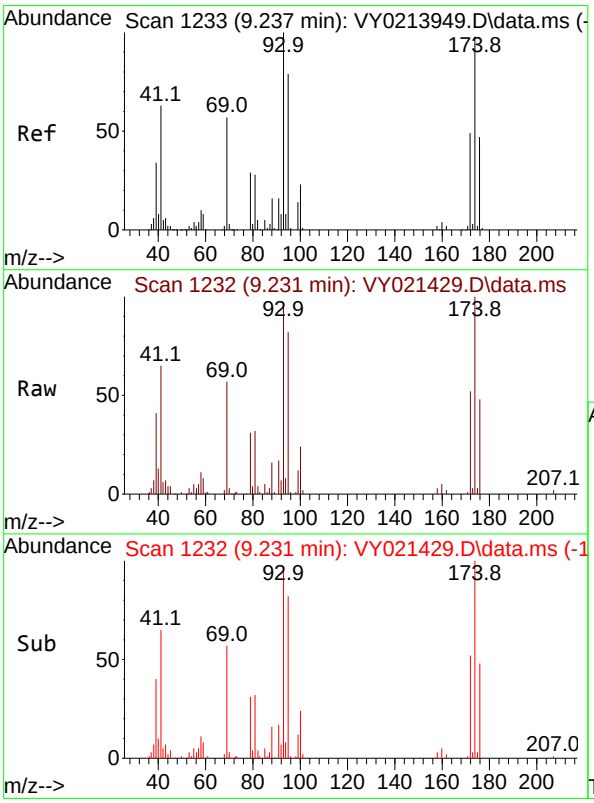
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

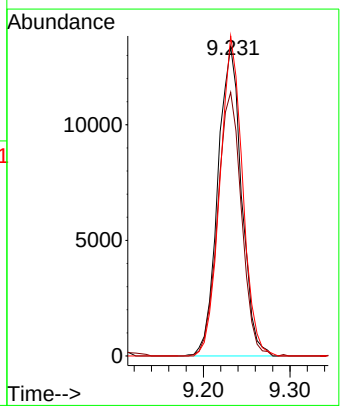


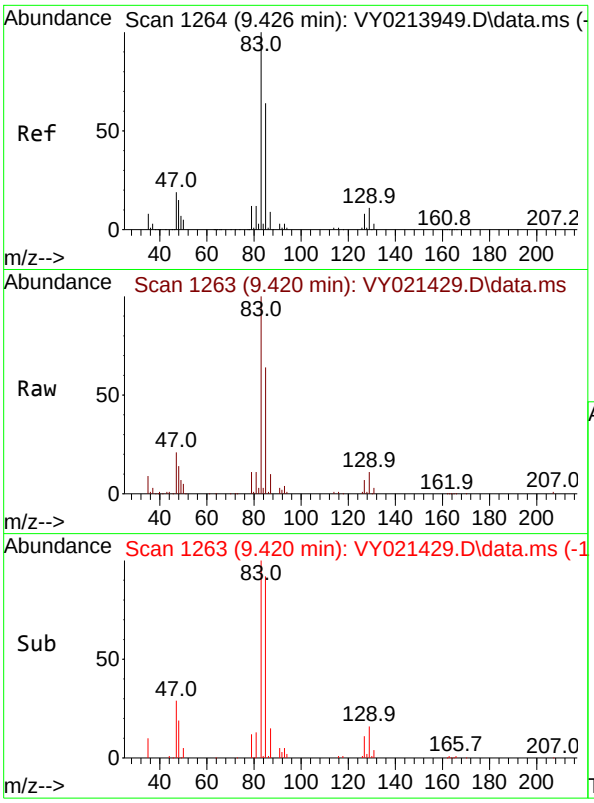


#46
Dibromomethane
Concen: 20.006 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 93 Resp: 25456

Ion	Ratio	Lower	Upper
93	100		
95	85.5	65.8	98.8
174	98.6	77.9	116.9

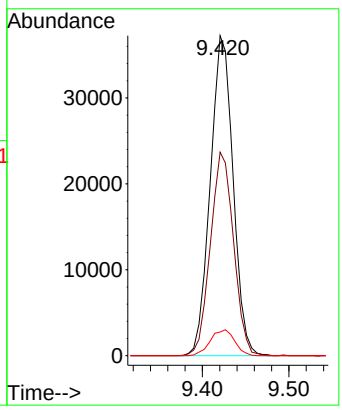




#47
Bromodichloromethane
Concen: 20.160 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 83 Resp: 6812

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.1	76.7
127	7.4	6.7	10.1



Instrument :
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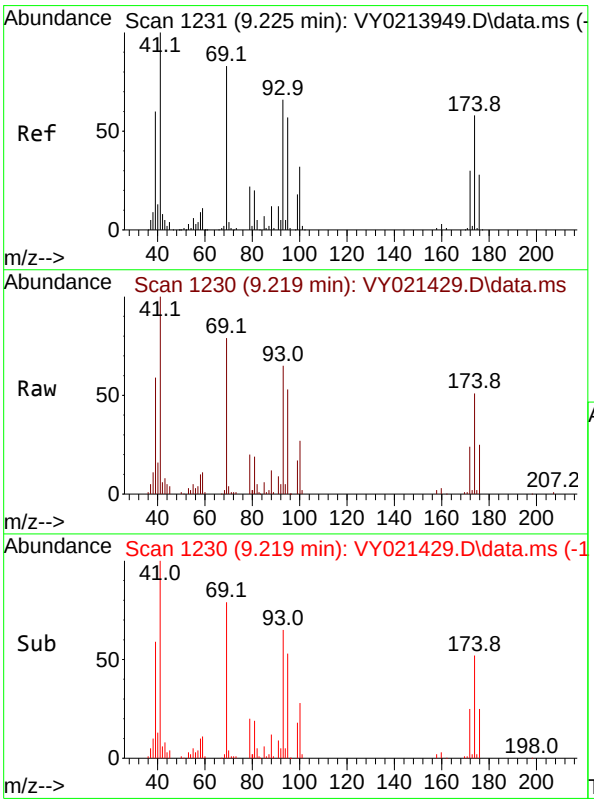
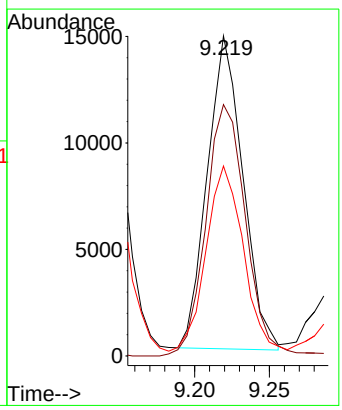
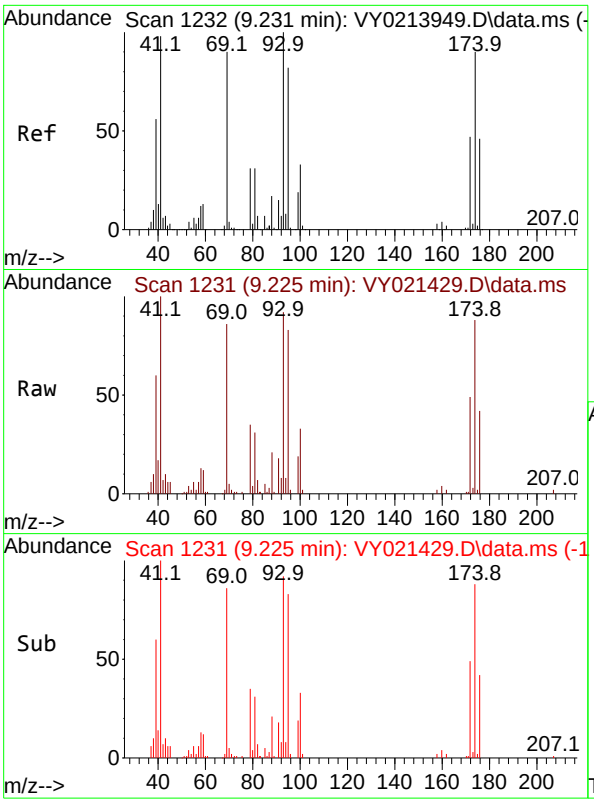


#48
Methyl methacrylate
Concen: 18.947 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 41 Resp: 24350

Ion	Ratio	Lower	Upper
41	100		
69	89.8	67.8	101.8
39	61.8	46.4	69.6





#49
1,4-Dioxane
Concen: 439.330 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 88 Resp: 548

Ion	Ratio	Lower	Upper
88	100		
43	41.7	25.0	37.4
58	71.1	58.4	87.6

Instrument :
MSVOA_Y
ClientSampleId :
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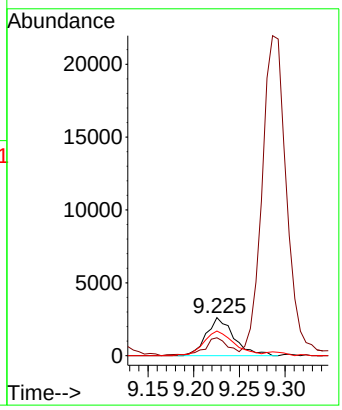
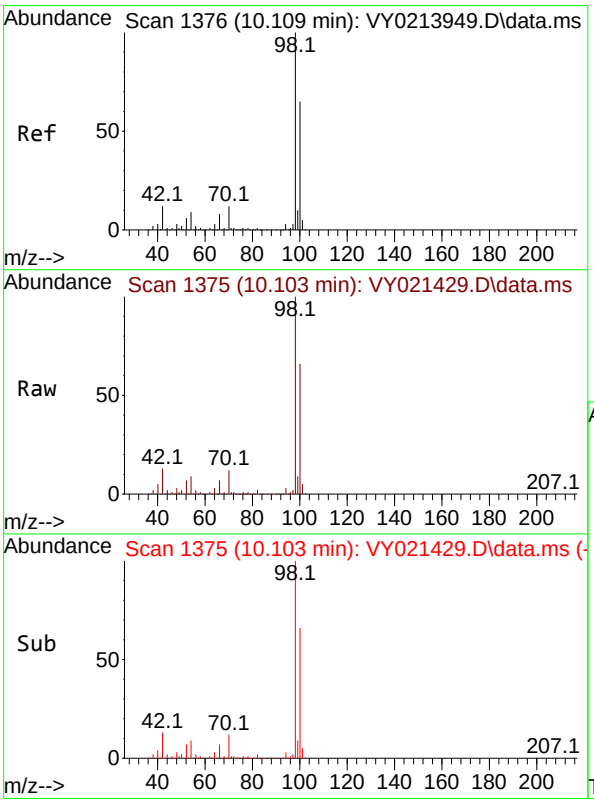
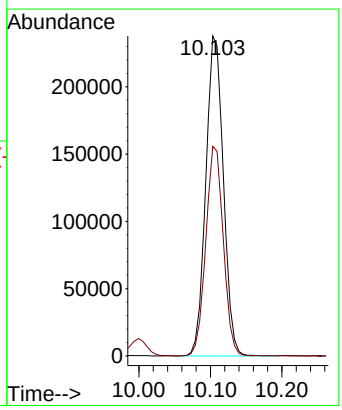


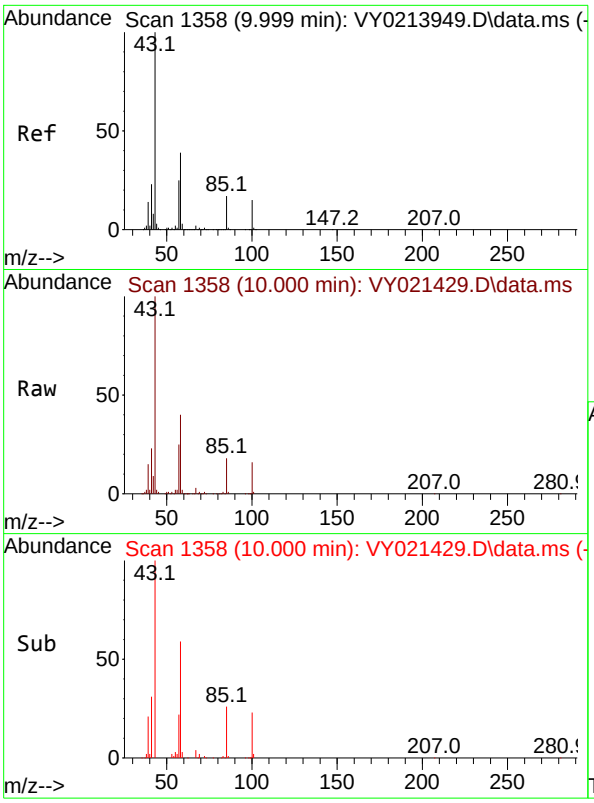


#50
Toluene-d8
Concen: 51.435 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 98 Resp: 405827

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1

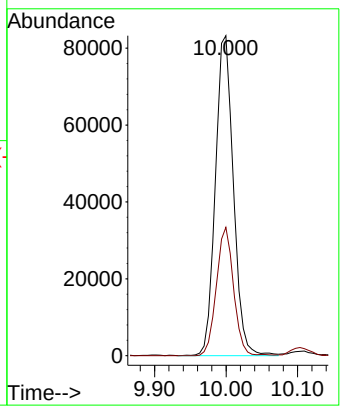




#51
4-Methyl-2-Pentanone
Concen: 100.811 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 43 Resp: 14557

Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
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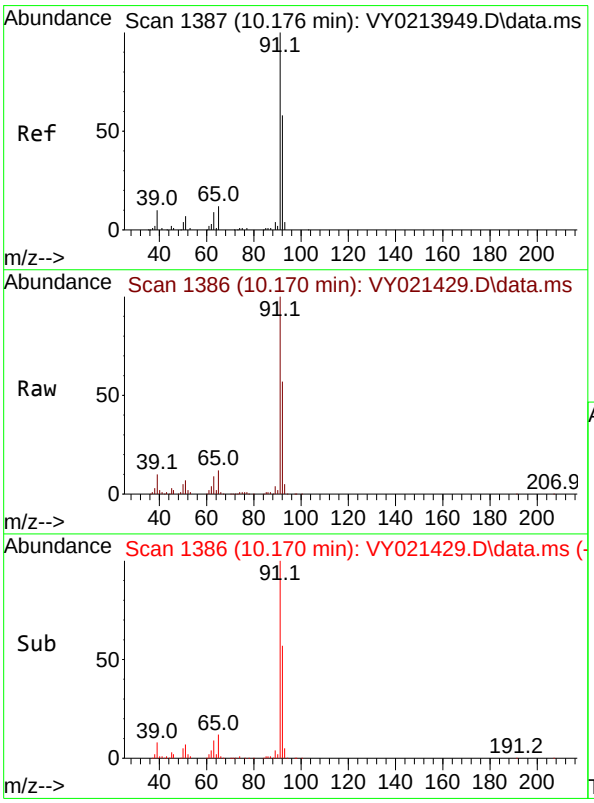
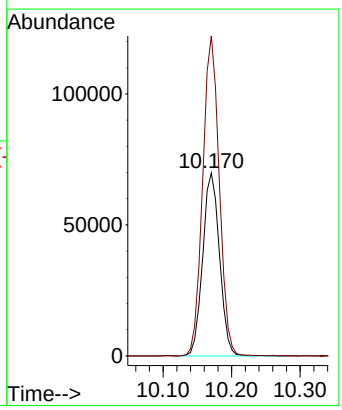
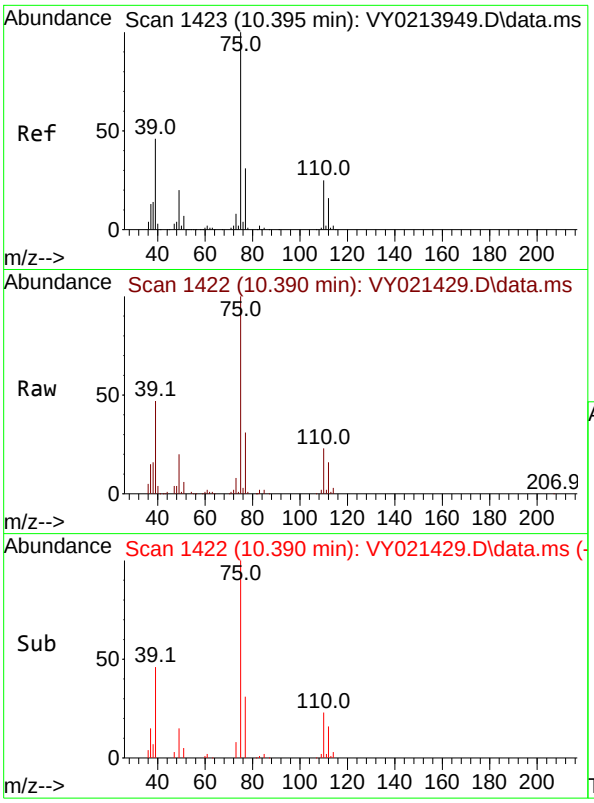


#52
Toluene
Concen: 19.680 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 92 Resp: 119217

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.2	207.2





#53
t-1,3-Dichloropropene
Concen: 19.386 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

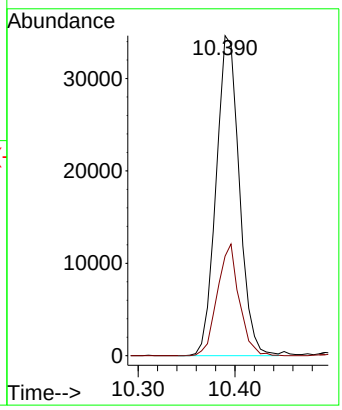
Tgt Ion: 75 Resp: 5771

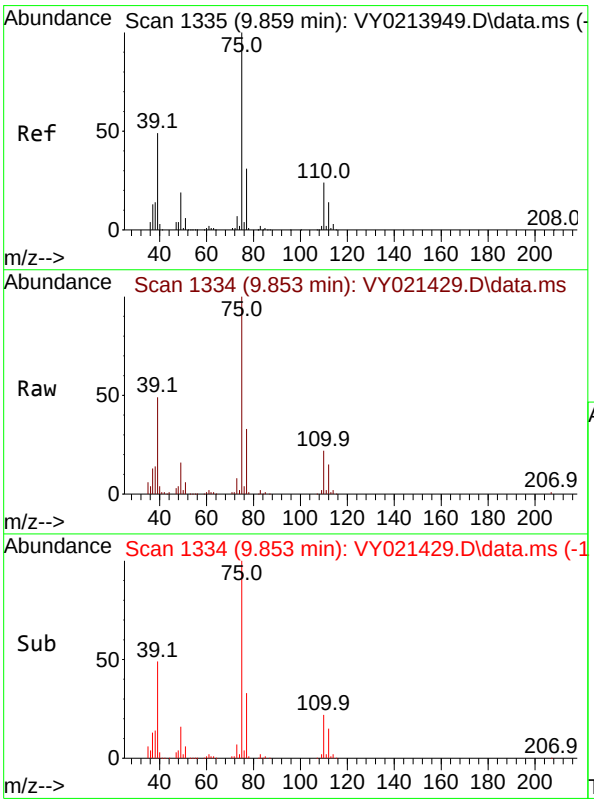
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

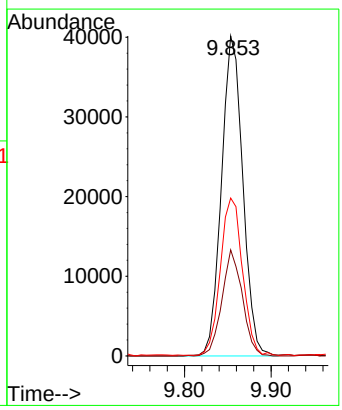


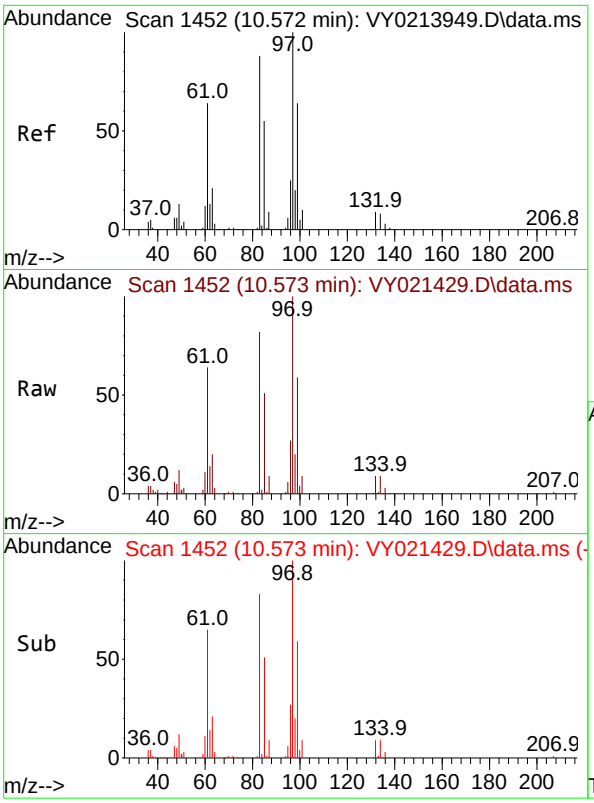


#54
cis-1,3-Dichloropropene
Concen: 19.461 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 75 Resp: 68787

Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.6	37.0
39	49.1	39.4	59.2

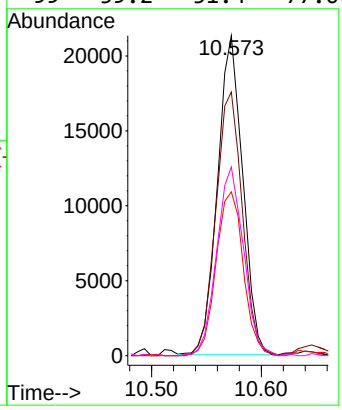




#55
1,1,2-Trichloroethane
Concen: 20.418 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 97 Resp: 3398

Ion	Ratio	Lower	Upper
97	100		
83	82.6	70.0	105.0
85	51.3	44.3	66.5
99	59.2	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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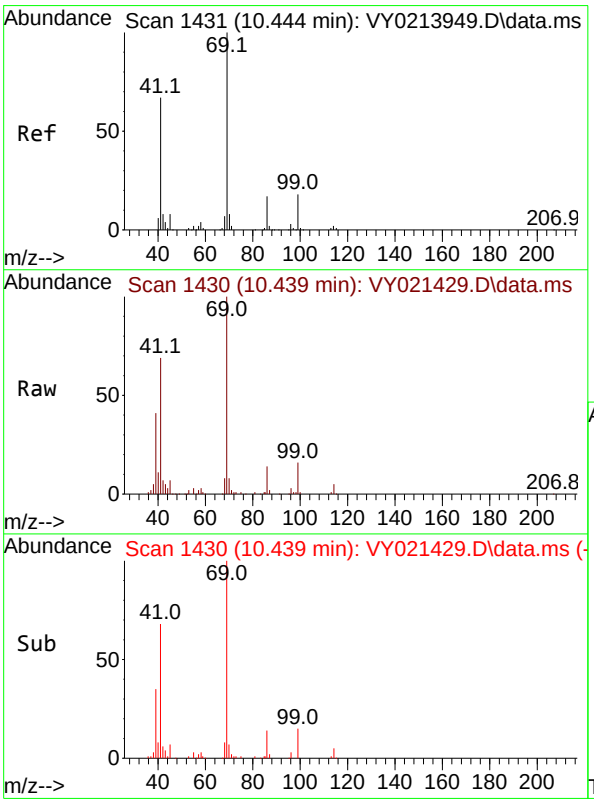
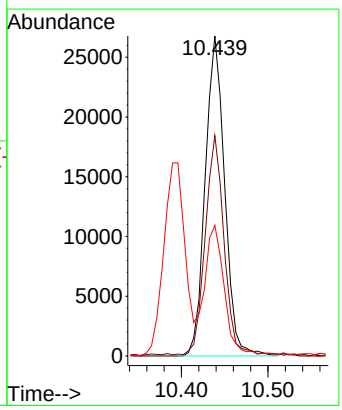
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

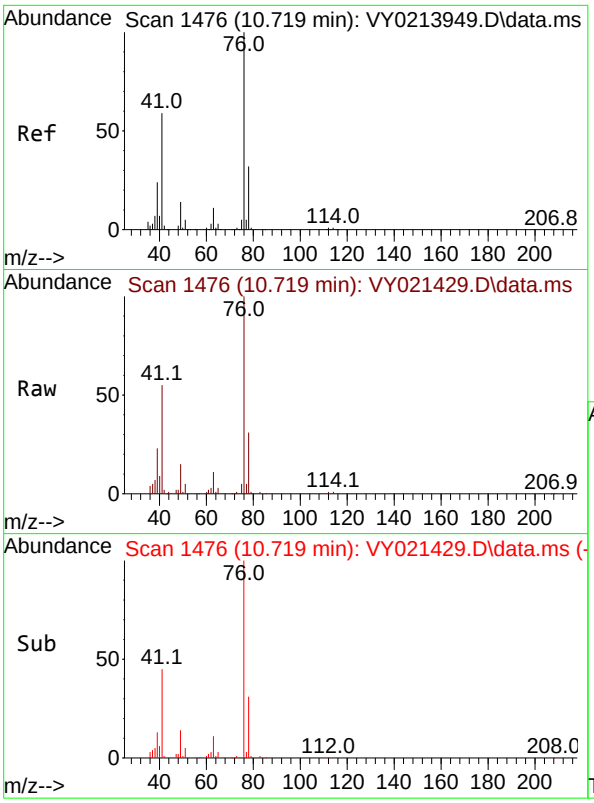


#56
Ethyl methacrylate
Concen: 19.686 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 69 Resp: 41790

Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.3	79.9
39	41.8	31.0	46.6





#57
1,3-Dichloropropane
Concen: 20.650 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 76 Resp: 5957

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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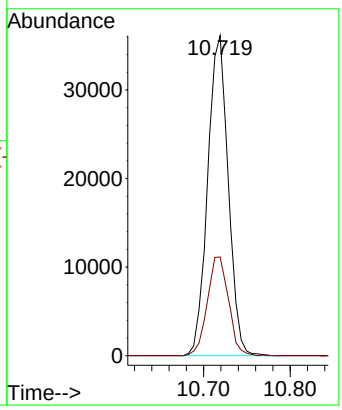
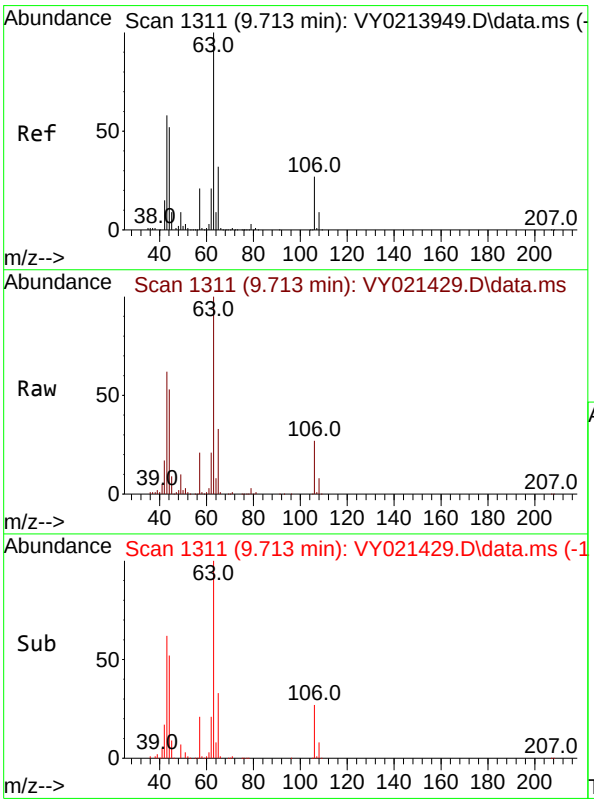
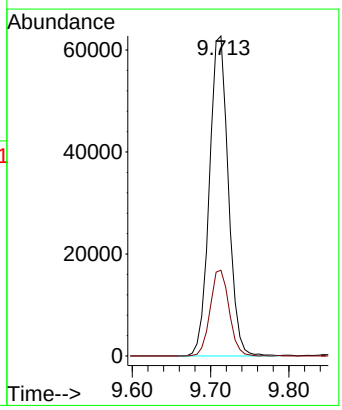


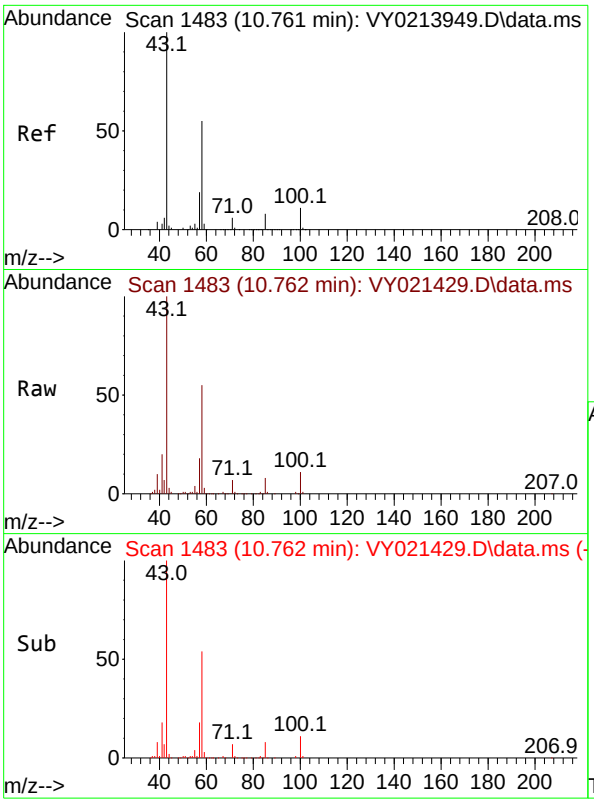


#58
2-Chloroethyl Vinyl ether
Concen: 107.301 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 63 Resp: 105149

Ion	Ratio	Lower	Upper
63	100		
106	26.8	22.1	33.1





#59
2-Hexanone
Concen: 96.532 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 43 Resp: 9217

Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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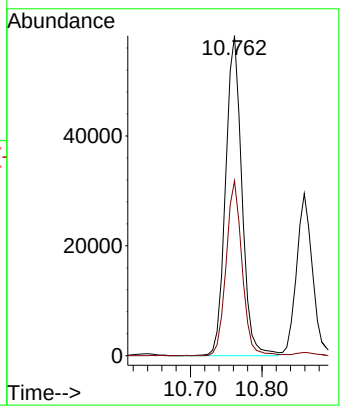
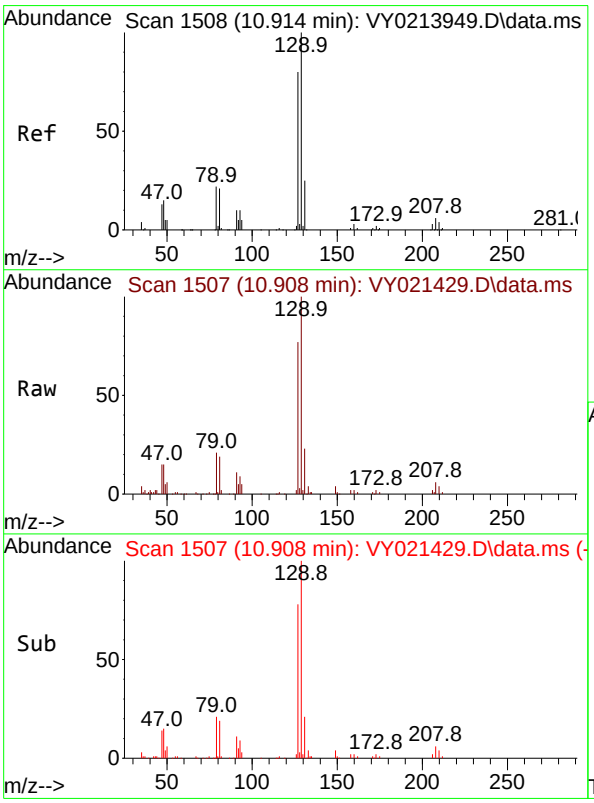
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

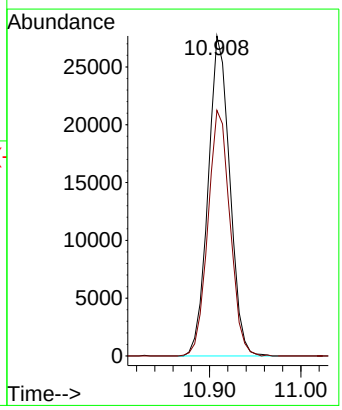


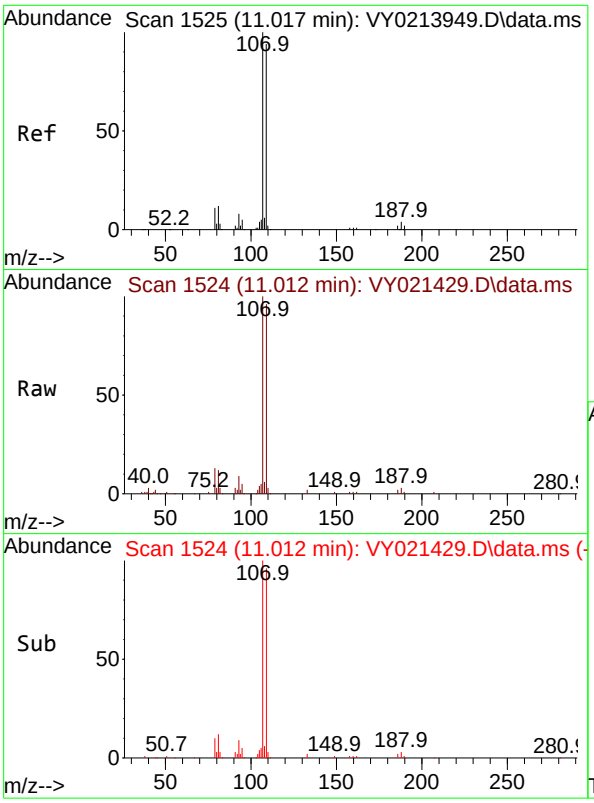


#60
Dibromochloromethane
Concen: 19.918 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:129 Resp: 45450

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.3





#61
1,2-Dibromoethane
Concen: 20.045 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:107 Resp: 3148

Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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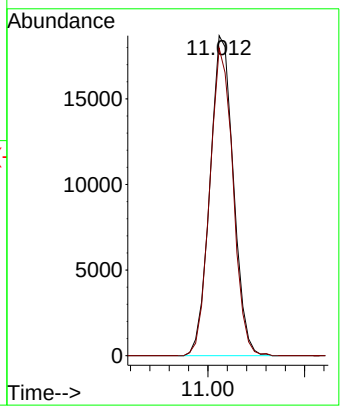
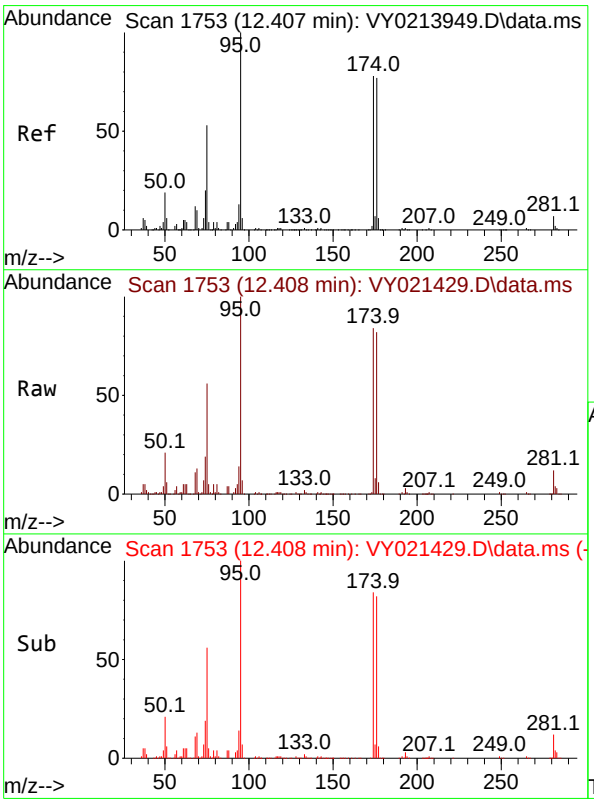
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

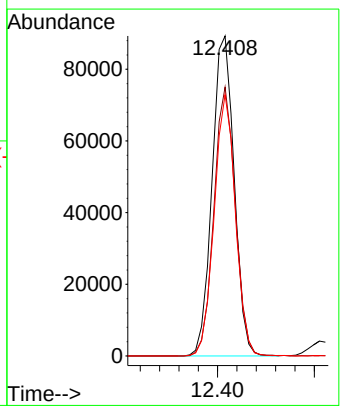


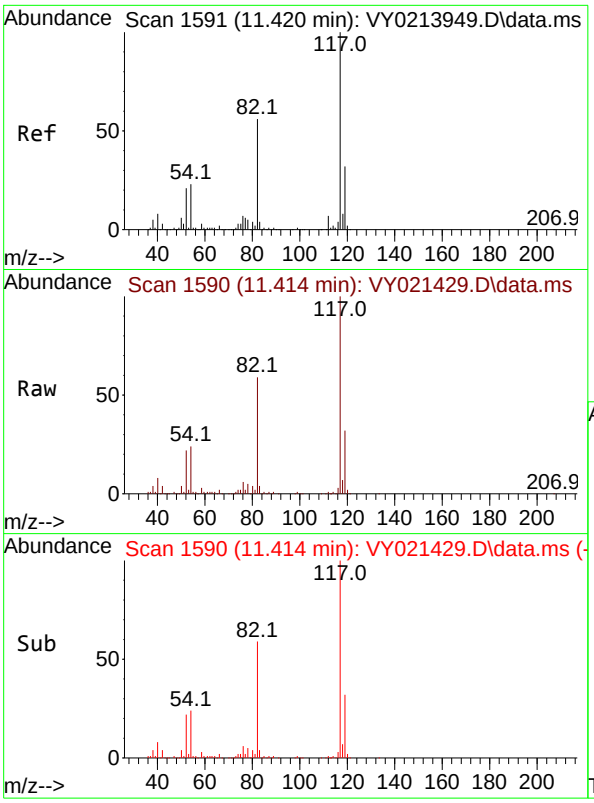


#62
4-Bromofluorobenzene
Concen: 52.620 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 95 Resp: 141225

Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	165.0
176	78.7	0.0	160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

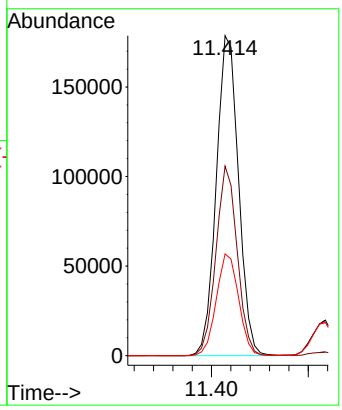
Tgt Ion:117 Resp: 28489

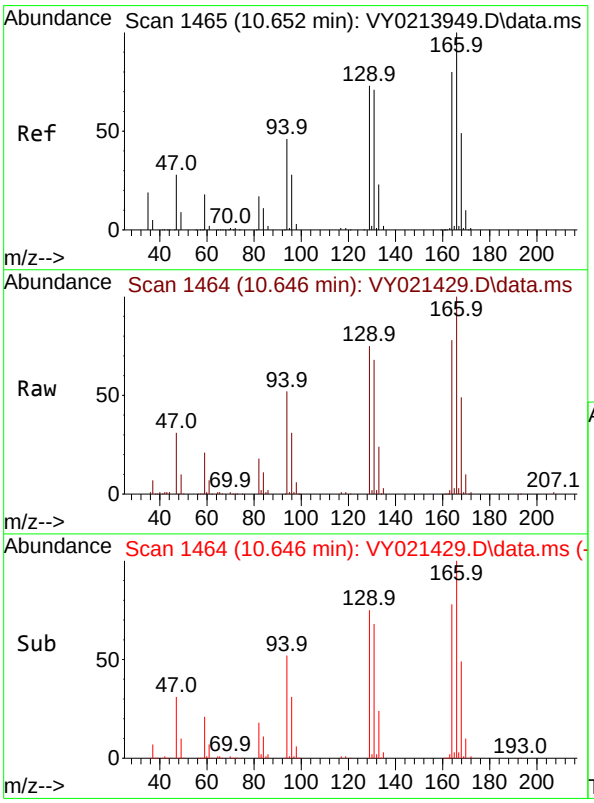
Ion	Ratio	Lower	Upper
117	100		
82	59.3	44.6	67.0
119	31.8	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

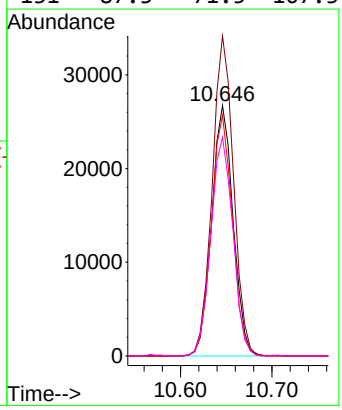


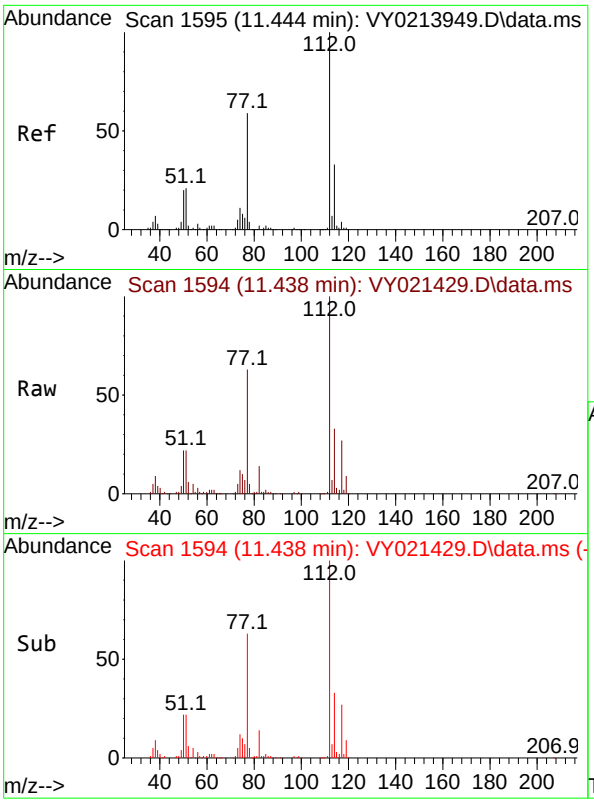


#64
Tetrachloroethene
Concen: 18.821 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:164 Resp: 43602

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.4	150.6
129	96.1	73.8	110.8
131	87.3	71.5	107.3





#65
Chlorobenzene
Concen: 19.161 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:112 Resp: 12890

Ion	Ratio	Lower	Upper
112	100		
114	33.4	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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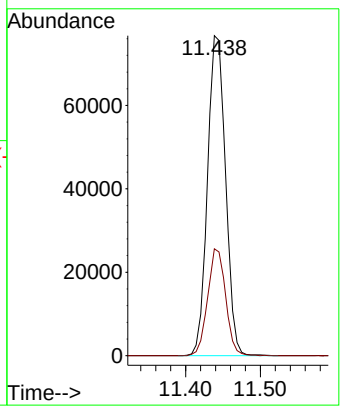
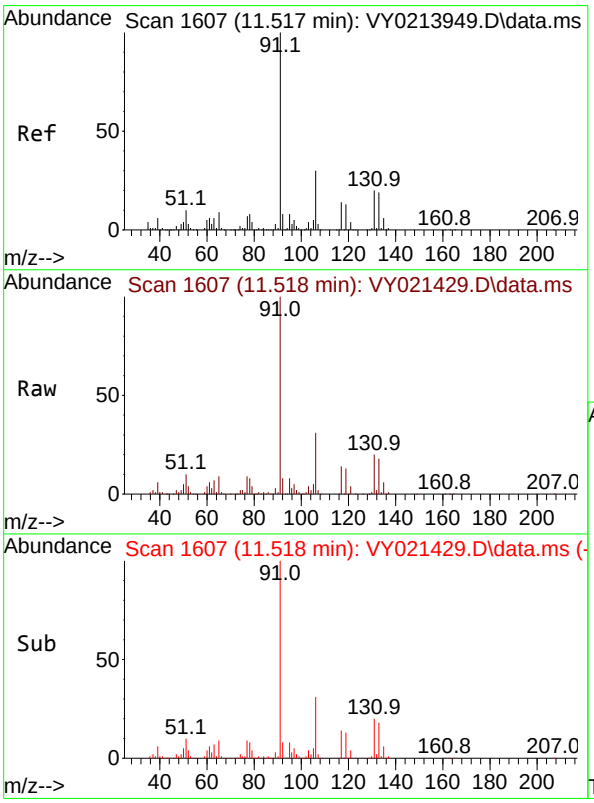
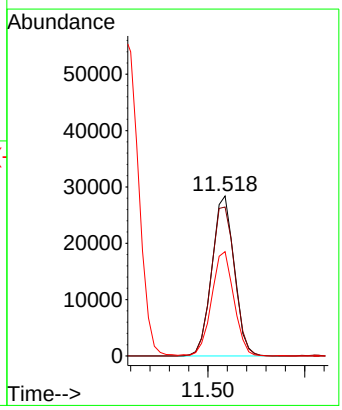


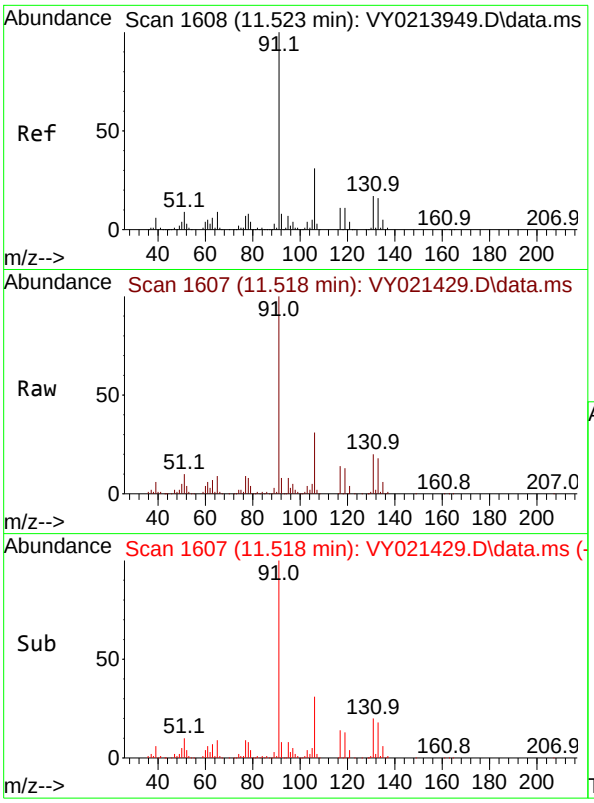


#66
1,1,1,2-Tetrachloroethane
Concen: 19.215 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:131 Resp: 45704

Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.6	142.9
119	65.1	32.3	96.9

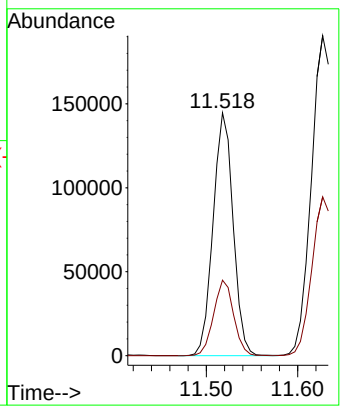




#67
Ethyl Benzene
Concen: 18.649 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 91 Resp: 22021

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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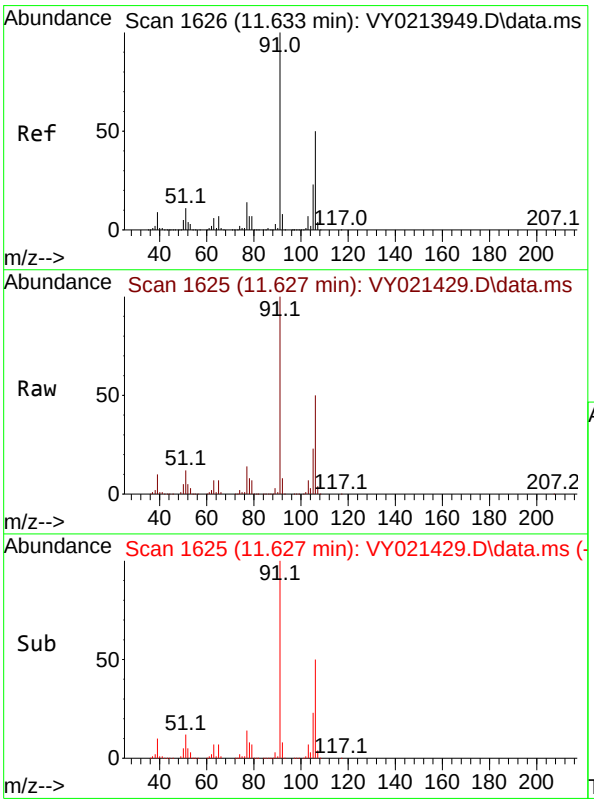
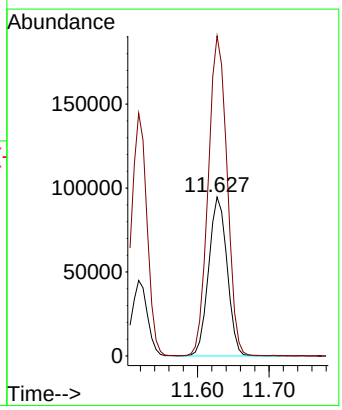
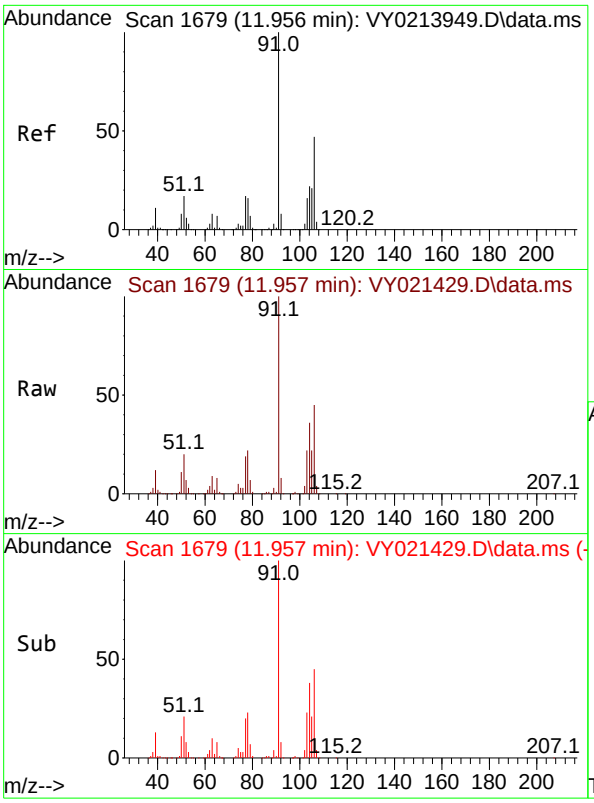


#68
m/p-Xylenes
Concen: 37.809 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:106 Resp: 169502

Ion	Ratio	Lower	Upper
106	100		
91	205.6	161.7	242.5





#69
o-Xylene
Concen: 18.830 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:106 Resp: 7780

Ion	Ratio	Lower	Upper
106	100		
91	217.0	107.6	322.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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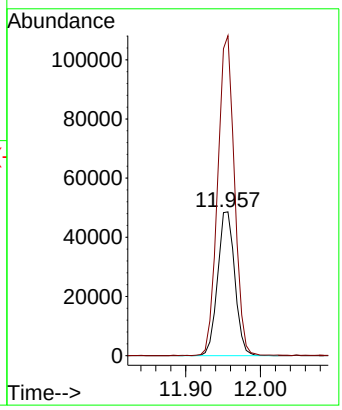
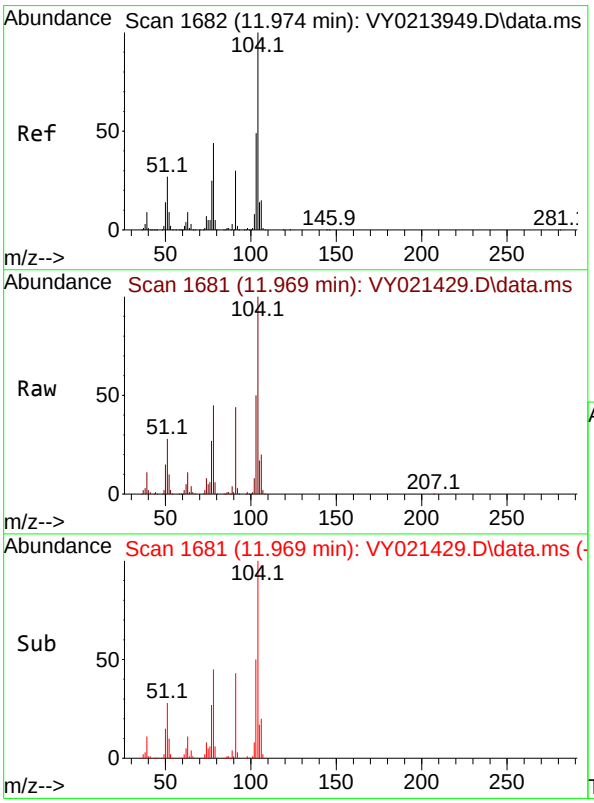
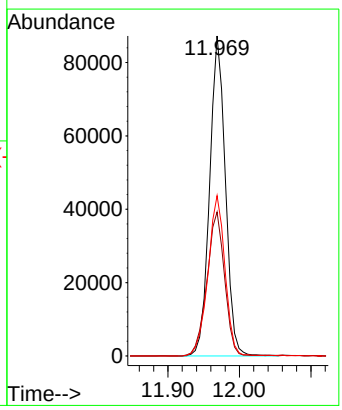


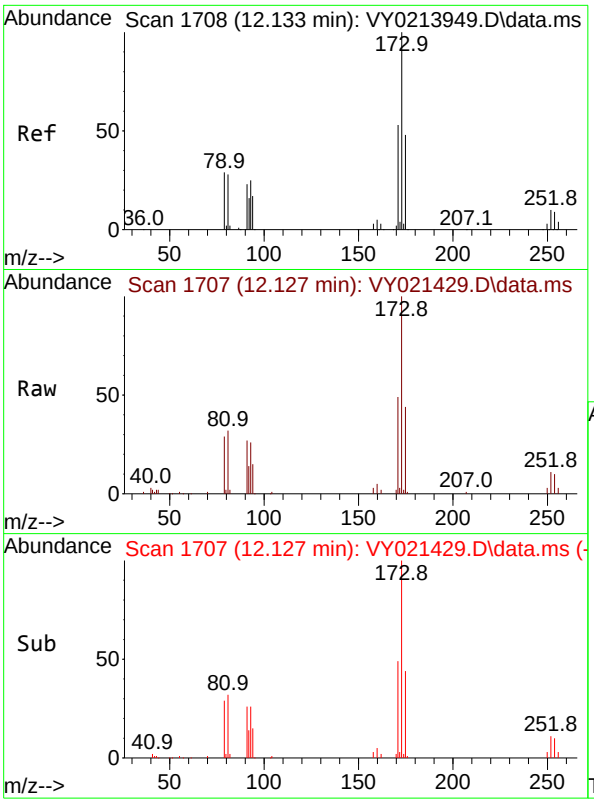


#70
Styrene
Concen: 19.504 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:104 Resp: 133689

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.7	61.1
103	54.0	44.1	66.1

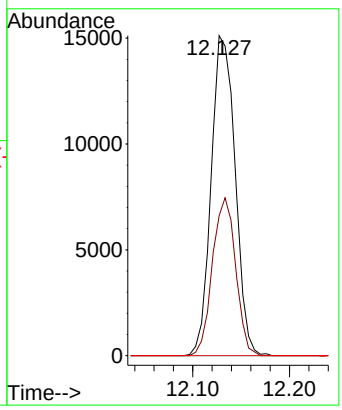




#71
Bromoform
Concen: 19.577 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:173 Resp: 2603

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.9	71.7
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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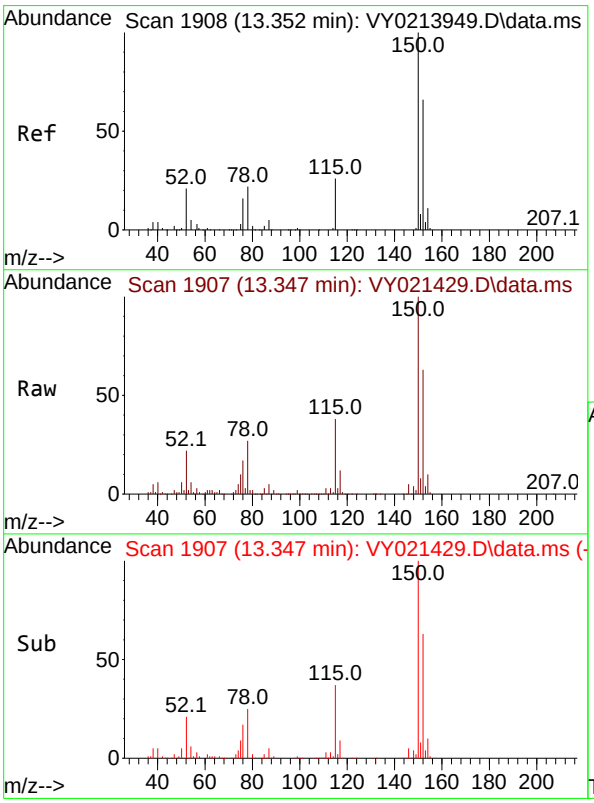
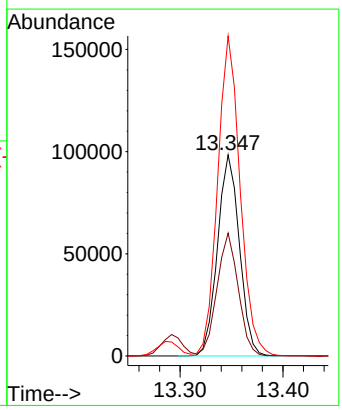
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

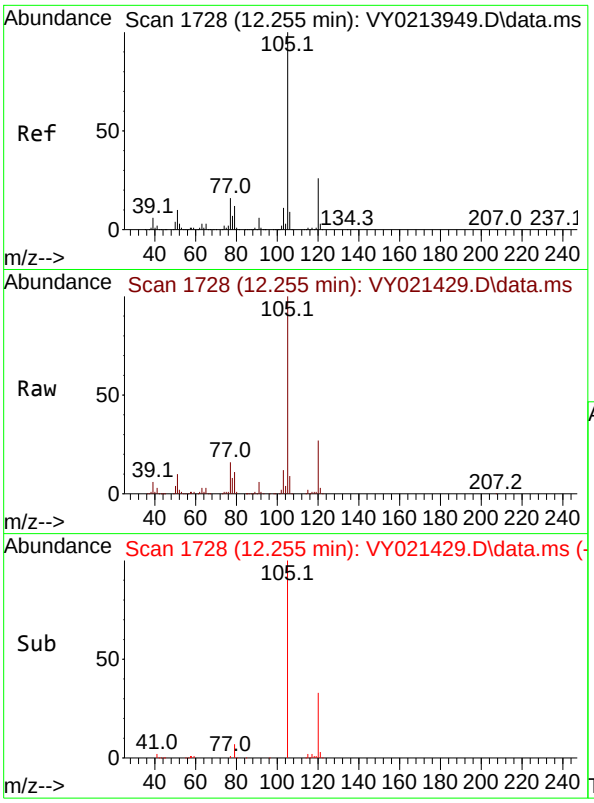


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:152 Resp: 145541

Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.0	87.0
150	163.5	0.0	347.2

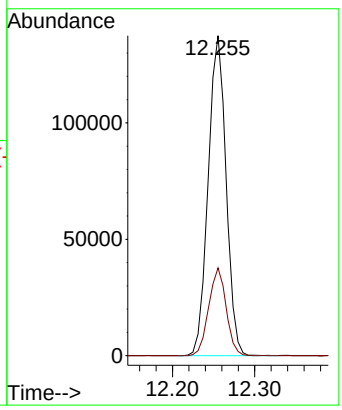




#73
Isopropylbenzene
Concen: 18.150 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:105 Resp: 20808

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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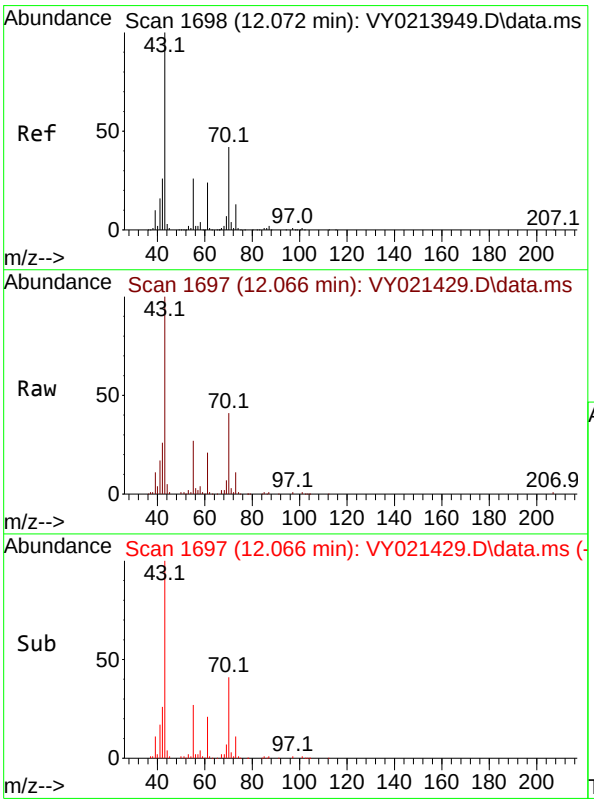
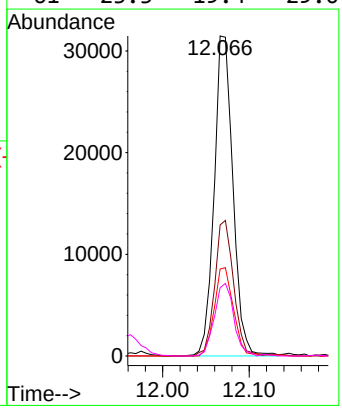
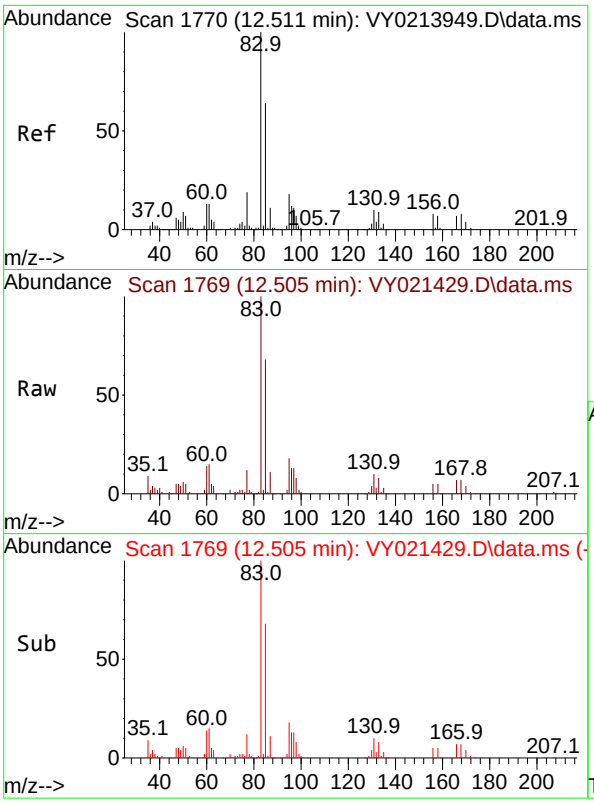


#74
N-amyl acetate
Concen: 19.102 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 43 Resp: 47561

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.6	51.8
55	28.3	21.1	31.7
61	23.3	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 18.963 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 83 Resp: 3836

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	16.1
85	65.1	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

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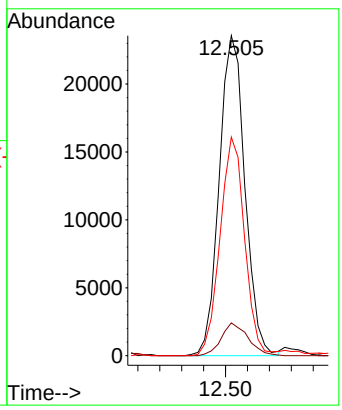
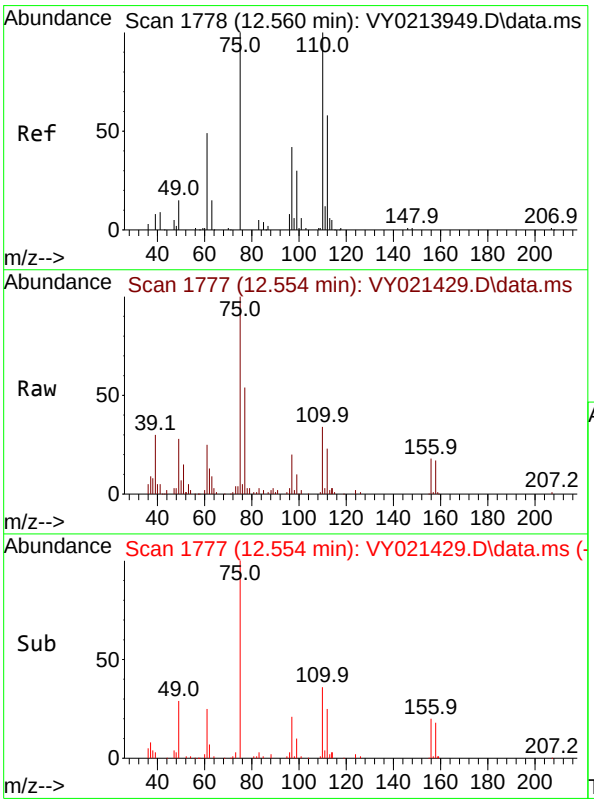
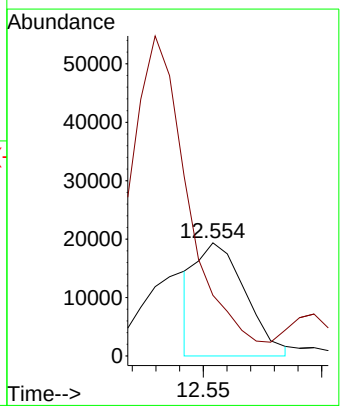


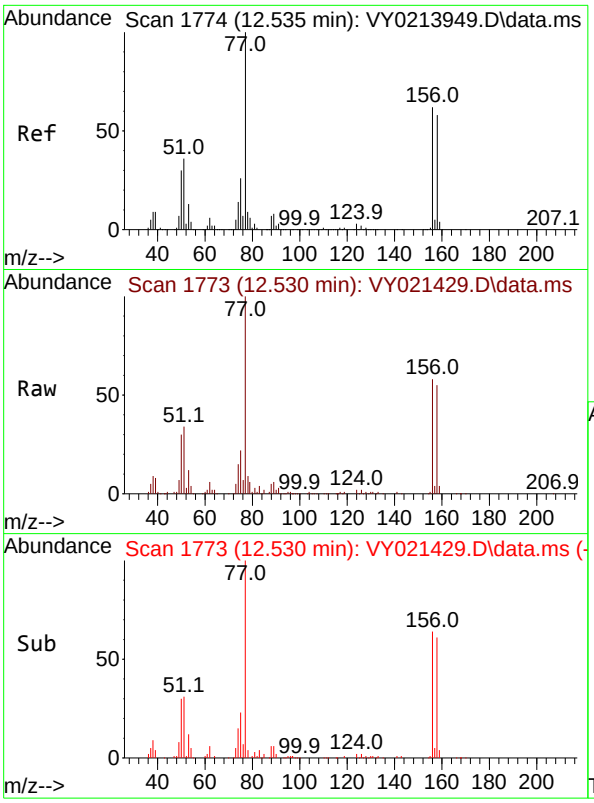


#76
1,2,3-Trichloropropane
Concen: 19.097 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 75 Resp: 28008

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 19.003 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:156 Resp: 5096

Ion	Ratio	Lower	Upper
156	100		
77	187.0	93.6	280.8
158	95.4	48.3	144.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

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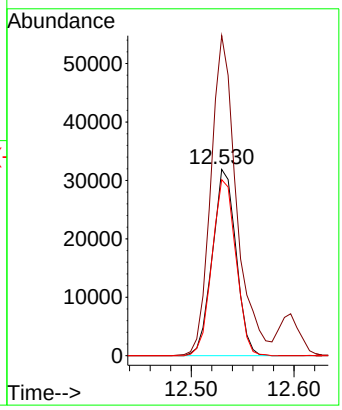
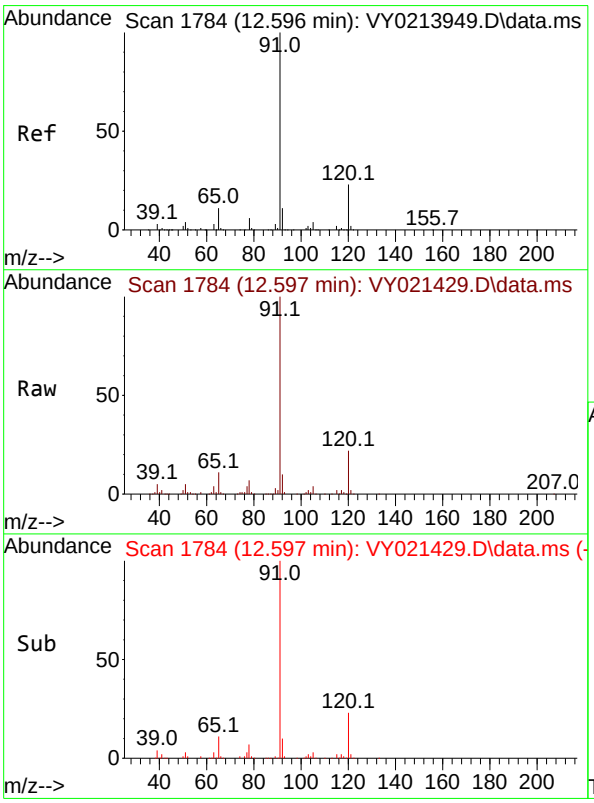
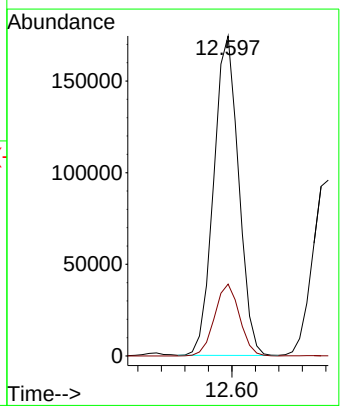


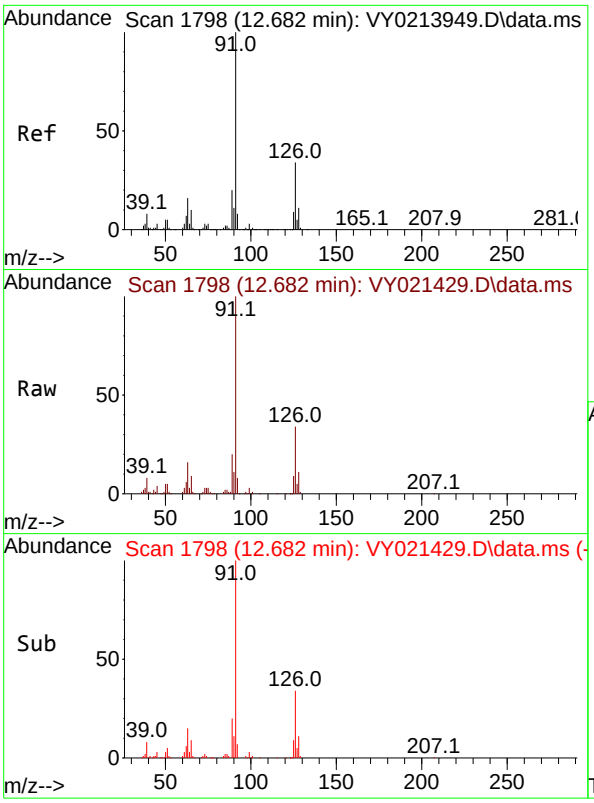


#78
n-propylbenzene
Concen: 18.429 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 91 Resp: 256602

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.8

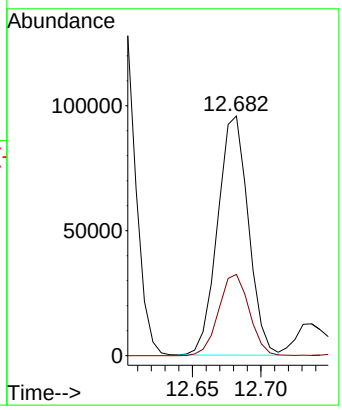




#79
2-Chlorotoluene
Concen: 18.776 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 91 Resp: 14948

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.2	51.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

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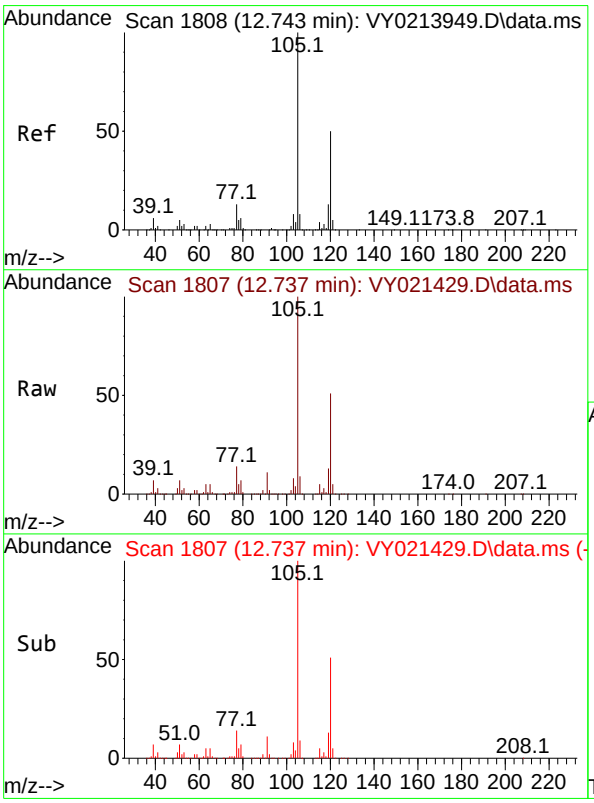
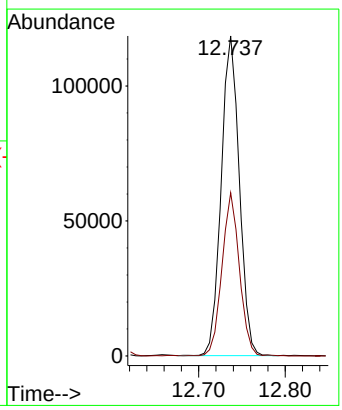
Supervised By :Semsettin Yesilyurt 03/07/2025

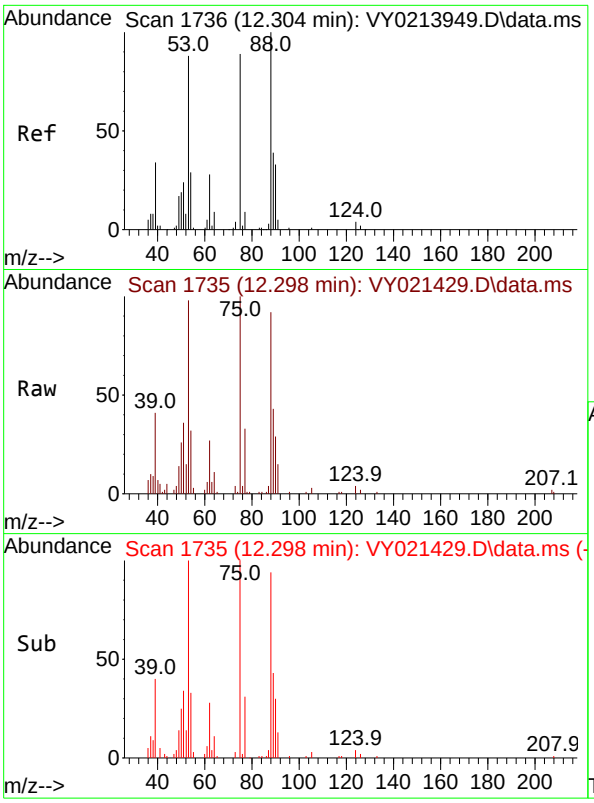


#80
1,3,5-Trimethylbenzene
Concen: 18.415 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:105 Resp: 171567

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.6	73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 17.356 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Tgt Ion: 75 Resp: 1119

Ion	Ratio	Lower	Upper
75	100		
53	108.0	81.0	121.4
89	48.5	36.9	55.3

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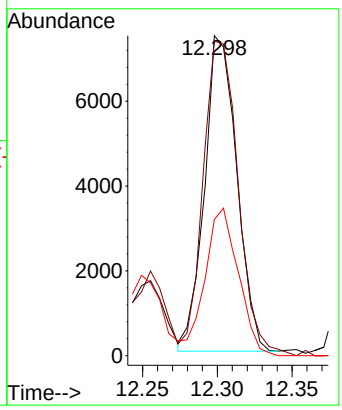
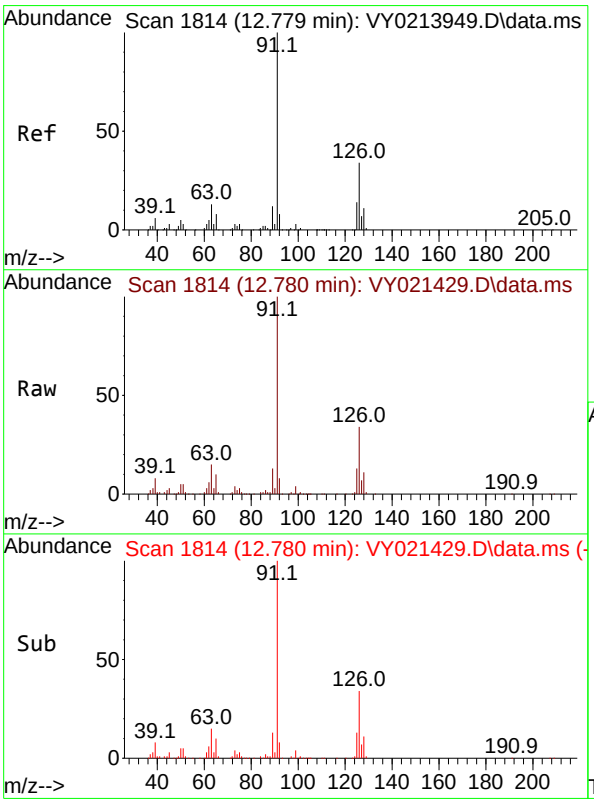
Supervised By :Semsettin Yesilyurt 03/07/2025

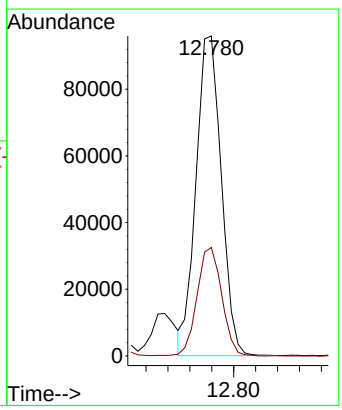


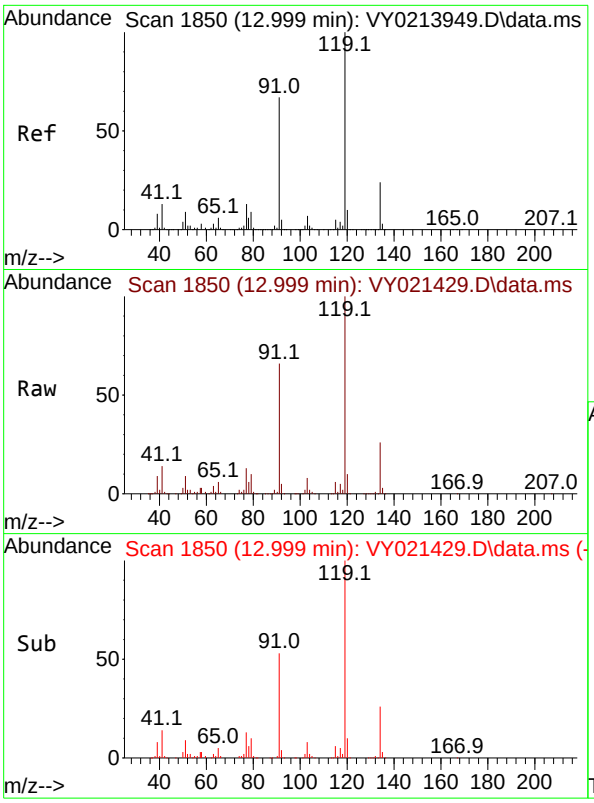


#82
4-Chlorotoluene
Concen: 18.612 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 91 Resp: 153440

Ion	Ratio	Lower	Upper
91	100		
126	33.3	17.0	51.0

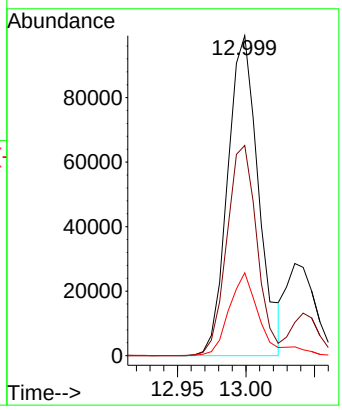




#83
tert-Butylbenzene
Concen: 18.709 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:119 Resp: 15549

Ion	Ratio	Lower	Upper
119	100		
91	64.2	33.2	99.6
134	26.1	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

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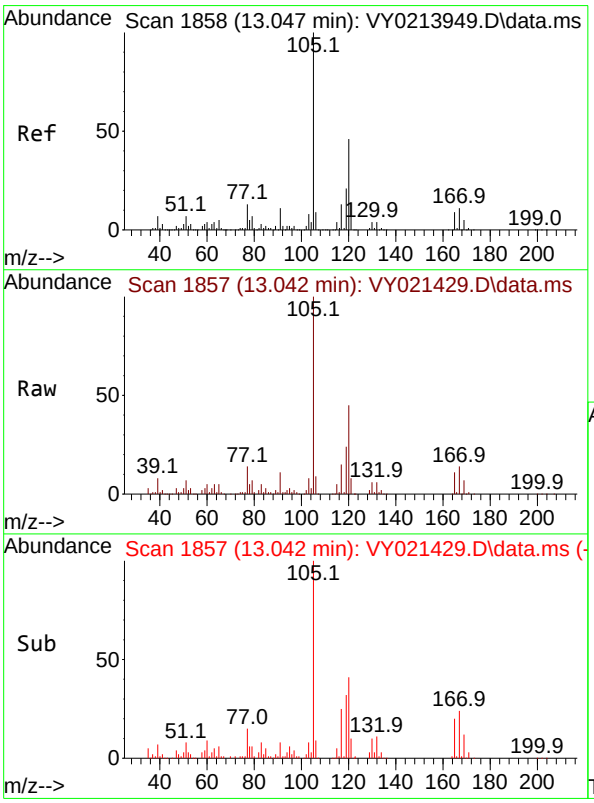
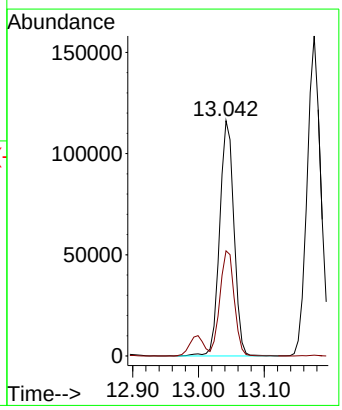
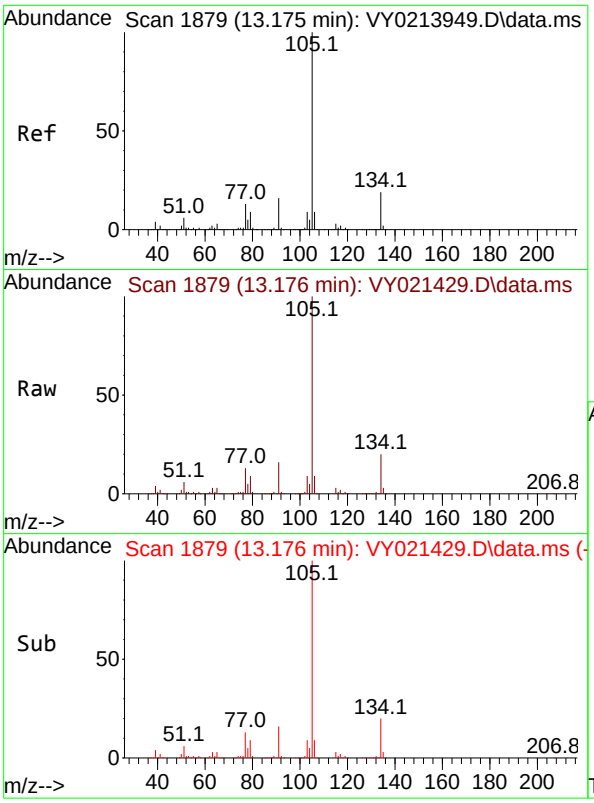


#84
1,2,4-Trimethylbenzene
Concen: 19.013 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:105 Resp: 175877

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.1





#85
sec-Butylbenzene
Concen: 18.413 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:105 Resp: 22770

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.9	29.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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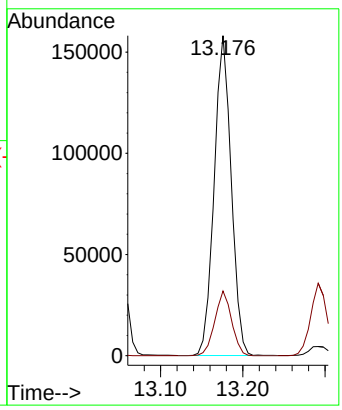
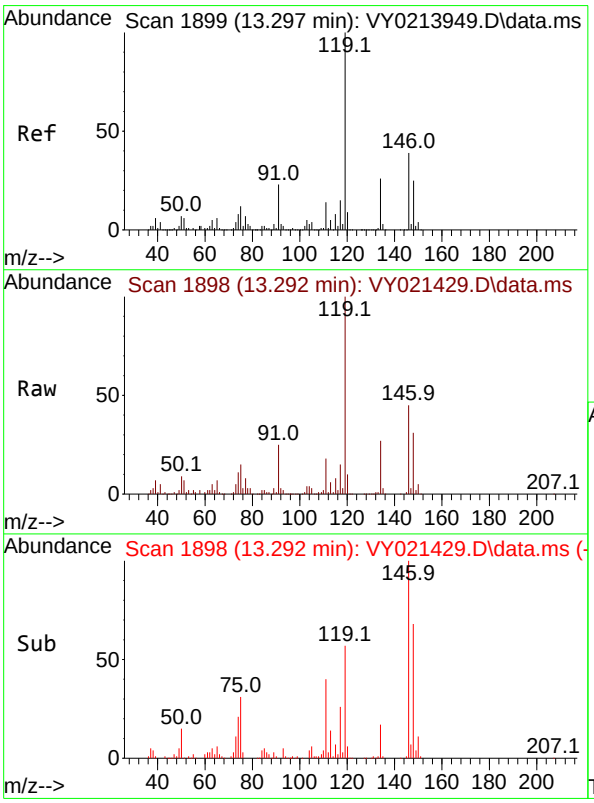
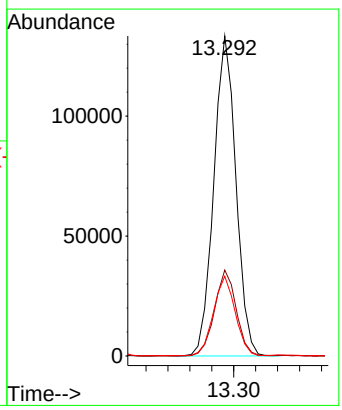


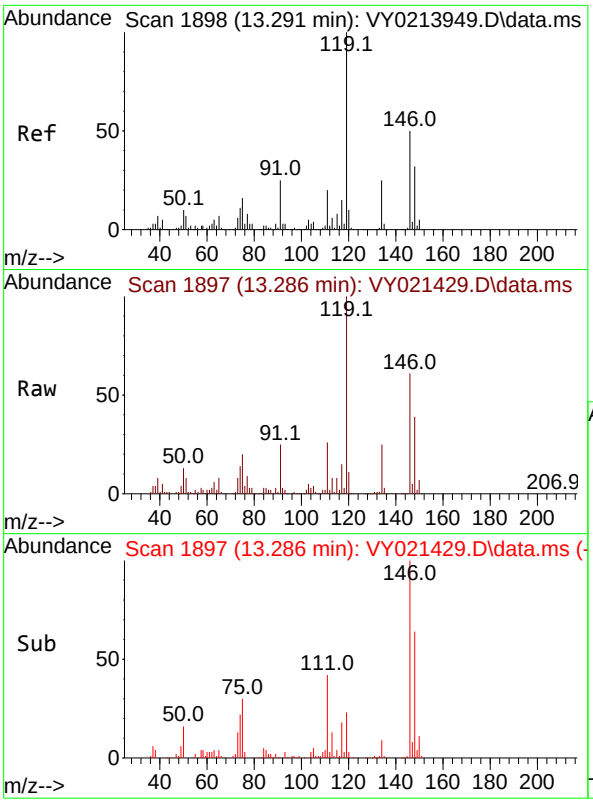


#86
p-Isopropyltoluene
Concen: 18.381 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:119 Resp: 187268

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	24.4	12.2	36.6





#87
1,3-Dichlorobenzene
Concen: 18.505 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:146 Resp: 9879

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	60.0
148	65.3	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 03/07/2025
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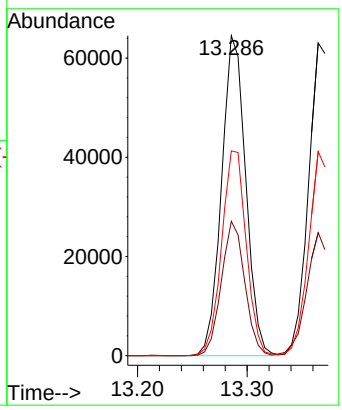
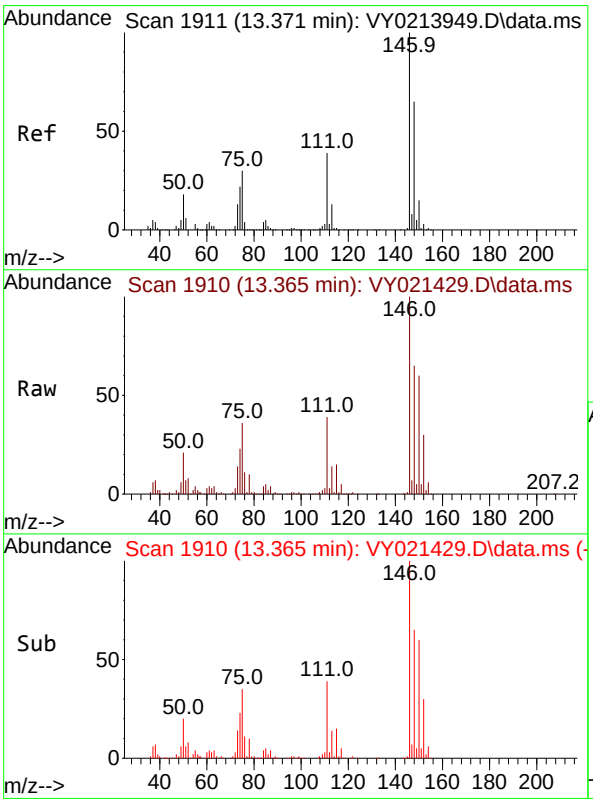
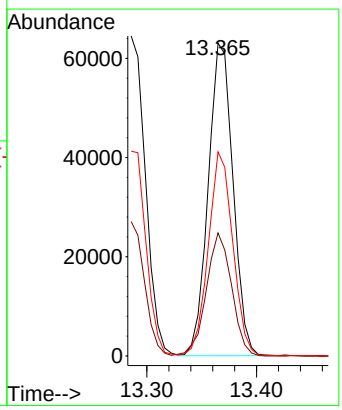


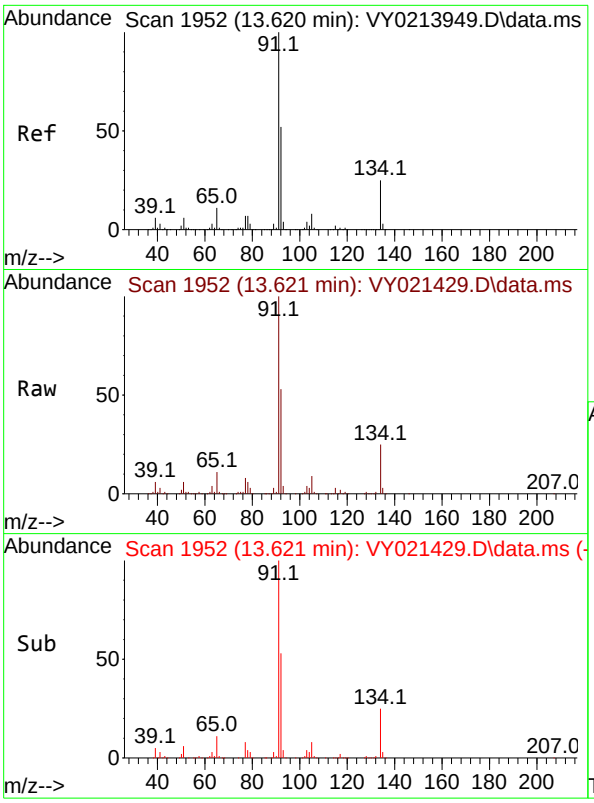


#88
1,4-Dichlorobenzene
Concen: 18.984 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:146 Resp: 99121

Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.6	58.8
148	64.6	32.3	96.8





#89
n-Butylbenzene
Concen: 18.209 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

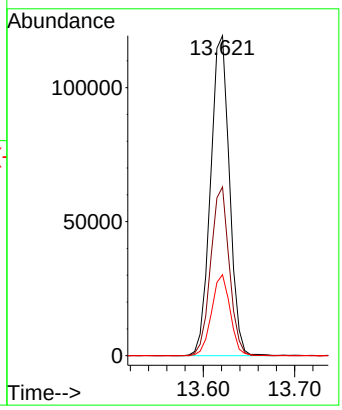
Tgt Ion: 91 Resp: 17130

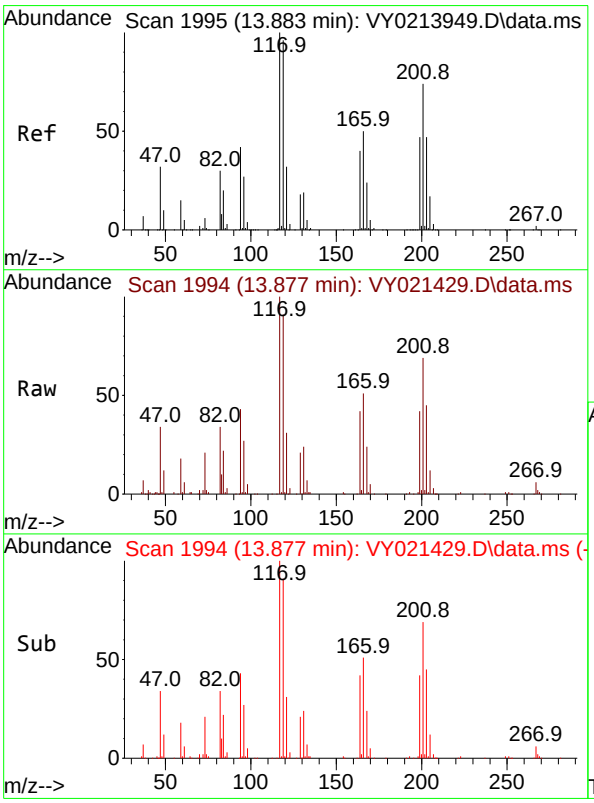
Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.3
134	24.9	12.6	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

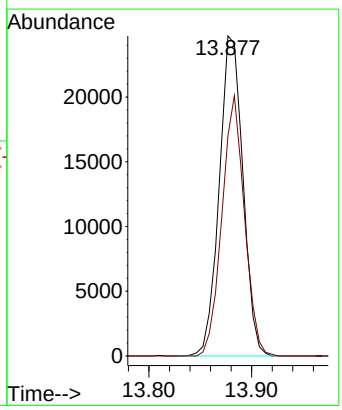


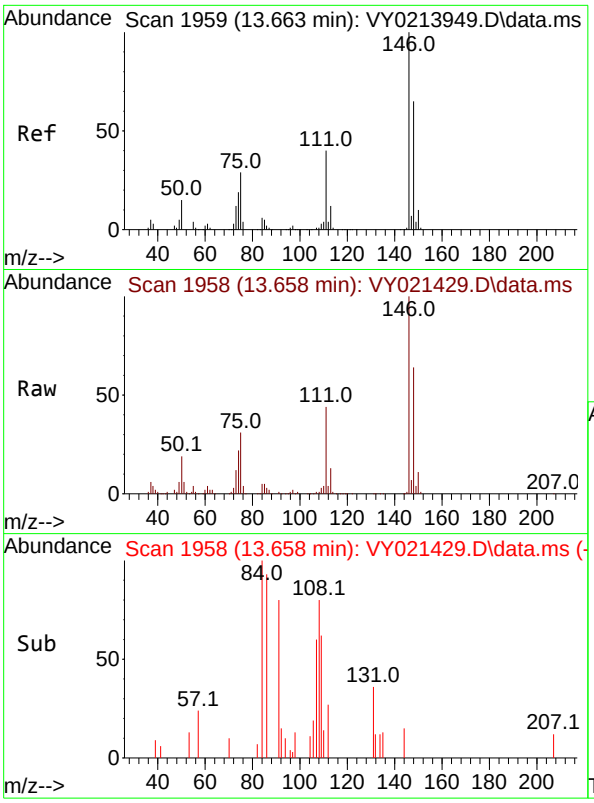


#90
Hexachloroethane
Concen: 18.179 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:117 Resp: 39511

Ion	Ratio	Lower	Upper
117	100		
201	77.2	37.4	112.2

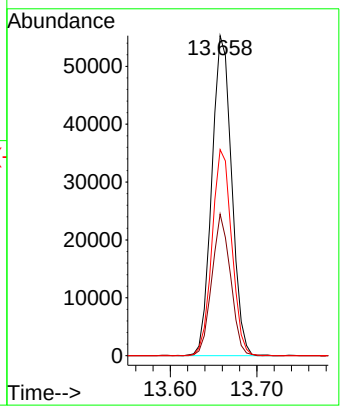




#91
1,2-Dichlorobenzene
Concen: 19.228 ug/l
RT: 13.658 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:146 Resp: 8798

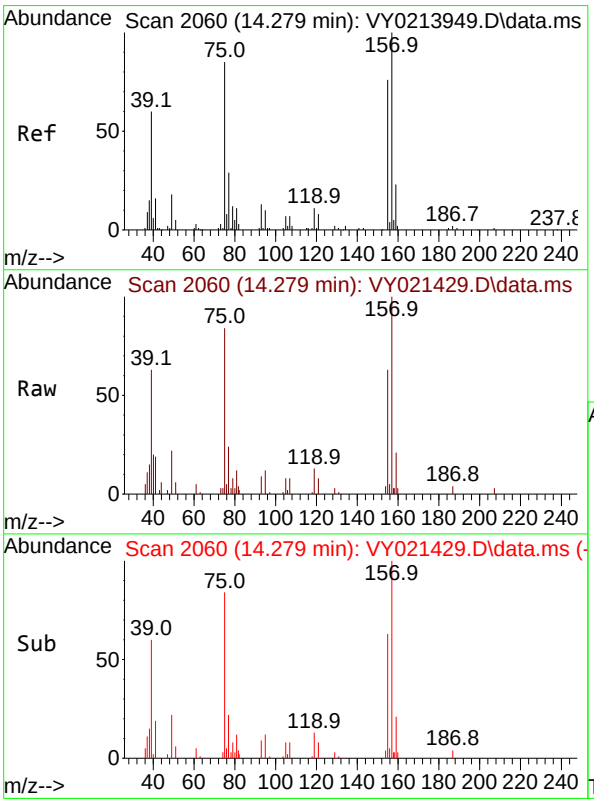
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	63.9	32.1	96.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
APPROVED

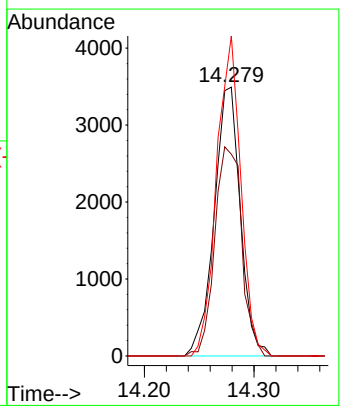
Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

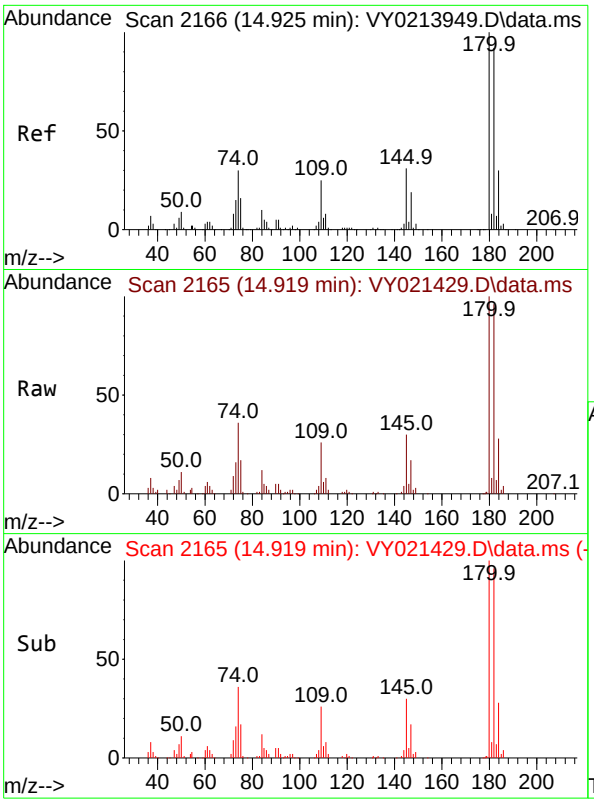


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.122 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion: 75 Resp: 5795

Ion	Ratio	Lower	Upper
75	100		
155	80.1	43.5	130.5
157	109.8	54.4	163.2





#93
1,2,4-Trichlorobenzene
Concen: 18.729 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

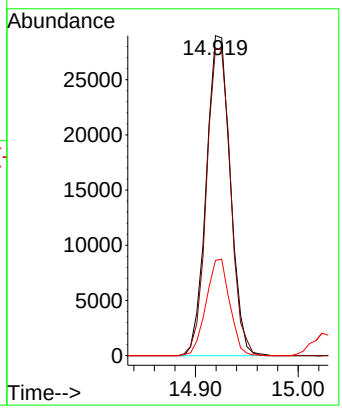
Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

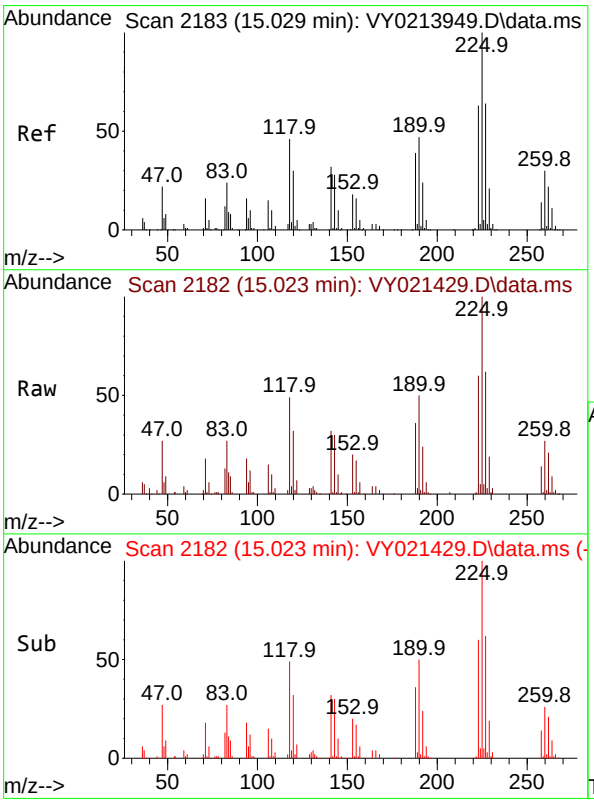
Tgt Ion:180 Resp: 4681

Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.7	140.0
145	29.8	15.6	46.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

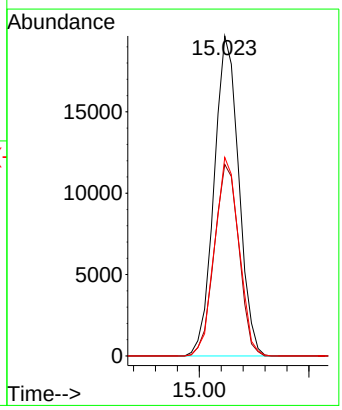


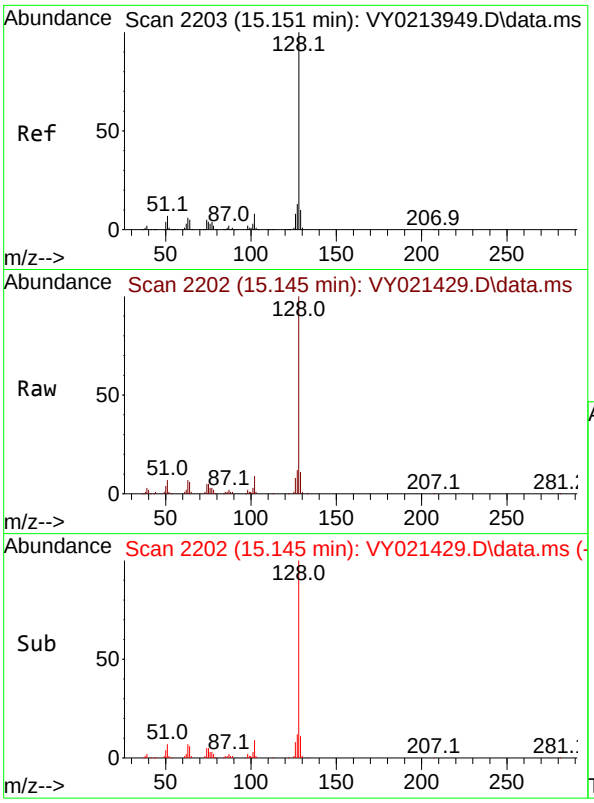


#94
Hexachlorobutadiene
Concen: 19.606 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:225 Resp: 30717

Ion	Ratio	Lower	Upper
225	100		
223	59.7	31.4	94.2
227	61.2	31.8	95.4





#95
Naphthalene
Concen: 19.111 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

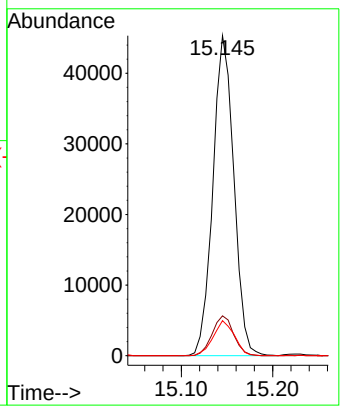
Tgt Ion:128 Resp: 7220

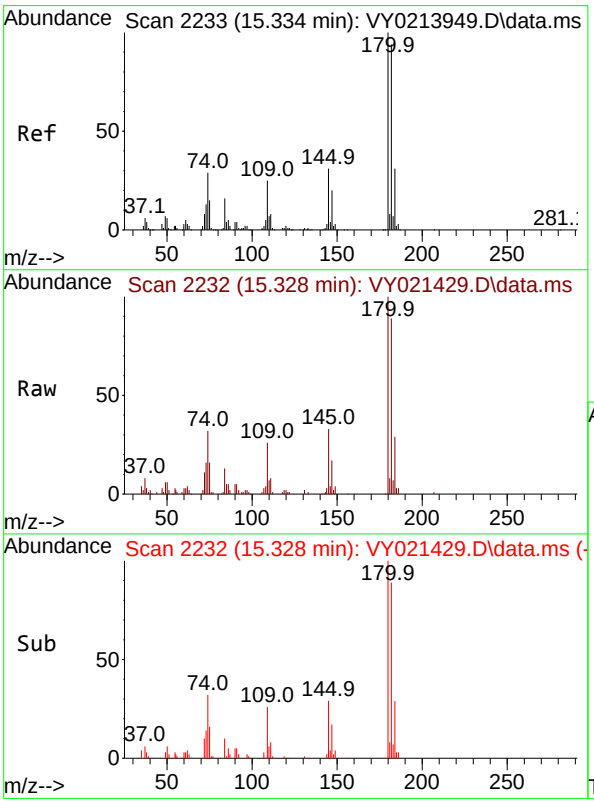
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	11.1	8.6	13.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

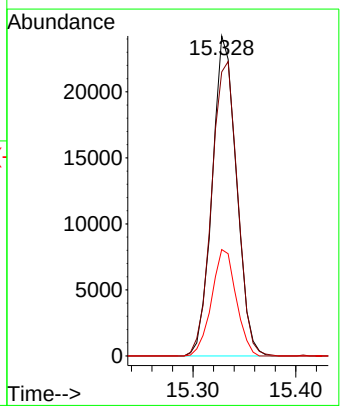




#96
1,2,3-Trichlorobenzene
Concen: 18.844 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021429.D
Acq: 06 Mar 2025 12:55

Tgt Ion:180 Resp: 39613

Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.2	141.6
145	33.7	16.4	49.1



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Manual Integration Report

Sequence:	VX022825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX045068.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	1,4-Dichlorobenzene	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Carbon Tetrachloride	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Chloroethane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Ethyl Acetate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methacrylonitrile	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methyl methacrylate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	Tert butyl alcohol	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC020	VX045070.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:21 AM	MMDadoda	2/28/2025 11:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX045071.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:25 AM	MMDadoda	2/28/2025 11:09:35 AM	Peak Integrated by Software
VSTDICC100	VX045072.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:30 AM	MMDadoda	2/28/2025 11:09:37 AM	Peak Integrated by Software
VSTDICC150	VX045073.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:33 AM	MMDadoda	2/28/2025 11:09:42 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX022825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX045075.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:38 AM	MMDadoda	2/28/2025 11:09:44 AM	Peak Integrated by Software
VSTDCCC050	VX045077.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045077.D	Tert butyl alcohol	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045098.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:59 AM	MMDadoda	3/3/2025 1:49:50 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX030525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045127.D	1,2,3-Trichloropropane	JOHN	3/6/2025 8:19:47 AM	MMDadoda	3/6/2025 2:56:18 PM	Peak Integrated by Software
VX0305WBS01	VX045130.D	1,2,3-Trichloropropane	JOHN	3/6/2025 8:19:51 AM	MMDadoda	3/6/2025 2:56:16 PM	Peak Integrated by Software
VX0305WBSD01	VX045135.D	1,2,3-Trichloropropane	JOHN	3/6/2025 8:20:00 AM	MMDadoda	3/6/2025 2:56:17 PM	Peak Integrated by Software
VSTDCCC050	VX045153.D	1,2,3-Trichloropropane	JOHN	3/6/2025 8:21:33 AM	MMDadoda	3/6/2025 2:56:19 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX030625	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045155.D	1,2,3-Trichloropropane	JOHN	3/10/2025 9:41:16 AM	MMDadoda	3/10/2025 2:26:53 PM	Peak Integrated by Software
VX0306WBS01	VX045158.D	1,2,3-Trichloropropane	JOHN	3/10/2025 9:41:21 AM	MMDadoda	3/10/2025 2:26:53 PM	Peak Integrated by Software
Q1488-14DL	VX045161.D	Cyclohexane	JOHN	3/10/2025 9:41:25 AM	MMDadoda	3/10/2025 2:26:54 PM	Peak Integrated by Software
VSTDCCC050	VX045181.D	1,2,3-Trichloropropane	JOHN	3/10/2025 9:42:04 AM	MMDadoda	3/10/2025 2:27:00 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC010	VY021397.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Tert butyl alcohol	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICCC050	VY021399.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:35 PM	SAM	3/6/2025 3:00:06 PM	Peak Integrated by Software
VSTDICC100	VY021400.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:49 PM	SAM	3/6/2025 3:00:09 PM	Peak Integrated by Software
VSTDICC150	VY021401.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:42 PM	SAM	3/6/2025 3:00:14 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	vy030625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021426.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:32:05 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VY0306SBS01	VY021428.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:32:09 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VY0306SBS01	VY021428.D	Methacrylonitrile	MMDadoda	3/7/2025 1:32:09 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VY0306SBSD01	VY021429.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:32:03 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VSTDCCC050	VY021449.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:31:54 PM	SAM	3/7/2025 1:32:50 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy030725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021451.D	1,2,3-Trichloropropane	MMDadoda	3/11/2025 2:51:32 PM	SAM	3/11/2025 2:52:15 PM	Peak Integrated by Software
VY0307SBS01	VY021453.D	1,2,3-Trichloropropane	MMDadoda	3/11/2025 2:51:33 PM	SAM	3/11/2025 2:52:16 PM	Peak Integrated by Software
VY0307SBS01	VY021453.D	Methacrylonitrile	MMDadoda	3/11/2025 2:51:33 PM	SAM	3/11/2025 2:52:16 PM	Peak Integrated by Software
Q1488-07	VY021459.D	Acetone	MMDadoda	3/11/2025 2:51:39 PM	SAM	3/11/2025 2:52:25 PM	Peak Integrated by Software
VSTDCCC050	VY021472.D	1,2,3-Trichloropropane	MMDadoda	3/11/2025 2:51:41 PM	SAM	3/11/2025 2:52:26 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045067.D	28 Feb 2025 01:03	JC/MD	Ok
2	VSTDICC001	VX045068.D	28 Feb 2025 01:27	JC/MD	Ok,M
3	VSTDICC005	VX045069.D	28 Feb 2025 02:13	JC/MD	Ok,M
4	VSTDICC020	VX045070.D	28 Feb 2025 02:37	JC/MD	Ok,M
5	VSTDICCC050	VX045071.D	28 Feb 2025 03:00	JC/MD	Ok,M
6	VSTDICC100	VX045072.D	28 Feb 2025 03:23	JC/MD	Ok,M
7	VSTDICC150	VX045073.D	28 Feb 2025 03:47	JC/MD	Ok,M
8	IBLK	VX045074.D	28 Feb 2025 04:10	JC/MD	Ok
9	VSTDICV050	VX045075.D	28 Feb 2025 04:33	JC/MD	Ok,M
10	BFB	VX045076.D	28 Feb 2025 10:03	JC/MD	Ok
11	VSTDCCC050	VX045077.D	28 Feb 2025 10:32	JC/MD	Ok,M
12	VX0228MBL01	VX045078.D	28 Feb 2025 11:00	JC/MD	Ok
13	VX0228WBL01	VX045079.D	28 Feb 2025 11:23	JC/MD	Ok
14	VX0228WBS01	VX045080.D	28 Feb 2025 11:46	JC/MD	Ok,M
15	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13	JC/MD	Ok,M
16	Q1401-03	VX045082.D	28 Feb 2025 12:37	JC/MD	Ok
17	Q1401-06	VX045083.D	28 Feb 2025 13:00	JC/MD	Ok
18	Q1423-01	VX045084.D	28 Feb 2025 13:23	JC/MD	Ok
19	Q1423-03	VX045085.D	28 Feb 2025 13:47	JC/MD	Ok
20	Q1403-01	VX045086.D	28 Feb 2025 14:10	JC/MD	Ok
21	Q1403-02	VX045087.D	28 Feb 2025 14:33	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1435-01	VX045088.D	28 Feb 2025 14:57	JC/MD	Ok
23	Q1403-04	VX045089.D	28 Feb 2025 15:20	JC/MD	Ok
24	Q1462-02	VX045090.D	28 Feb 2025 15:44	JC/MD	Ok
25	Q1469-01	VX045091.D	28 Feb 2025 16:07	JC/MD	Ok
26	Q1469-02	VX045092.D	28 Feb 2025 16:31	JC/MD	Ok
27	Q1469-03	VX045093.D	28 Feb 2025 16:54	JC/MD	Ok
28	Q1469-04	VX045094.D	28 Feb 2025 17:17	JC/MD	Ok
29	Q1403-03	VX045095.D	28 Feb 2025 17:41	JC/MD	Ok
30	Q1462-01	VX045096.D	28 Feb 2025 18:04	JC/MD	Ok,M
31	IBLK	VX045097.D	28 Feb 2025 18:27	JC/MD	Ok
32	VSTDCCC050	VX045098.D	28 Feb 2025 18:50	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX030525

Review By	John Carlone	Review On	3/6/2025 8:28:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/6/2025 2:56:36 PM		
SubDirectory	VX030525	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133217
Initial Calibration Stds	
CCC	VP133218,VP133219
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045126.D	05 Mar 2025 08:40	JC/MD	Ok
2	VSTDCCC050	VX045127.D	05 Mar 2025 09:12	JC/MD	Ok,M
3	VX0305MBL01	VX045128.D	05 Mar 2025 09:39	JC/MD	Ok
4	VX0305WBL01	VX045129.D	05 Mar 2025 10:03	JC/MD	Ok
5	VX0305WBS01	VX045130.D	05 Mar 2025 10:26	JC/MD	Ok,M
6	VX0305MBS01	VX045131.D	05 Mar 2025 10:53	JC/MD	Ok,M
7	Q1480-17	VX045132.D	05 Mar 2025 11:16	JC/MD	Ok
8	Q1448-04ME	VX045133.D	05 Mar 2025 11:40	JC/MD	Ok
9	IBLK	VX045134.D	05 Mar 2025 12:03	JC/MD	Ok
10	VX0305WBSD01	VX045135.D	05 Mar 2025 12:26	JC/MD	Ok,M
11	Q1478-04DL	VX045136.D	05 Mar 2025 12:50	JC/MD	Ok
12	Q1478-06DL	VX045137.D	05 Mar 2025 13:13	JC/MD	Ok
13	Q1478-02DL	VX045138.D	05 Mar 2025 13:36	JC/MD	Not Ok
14	Q1478-08	VX045139.D	05 Mar 2025 13:59	JC/MD	Not Ok
15	VX0305MBSD01	VX045140.D	05 Mar 2025 14:23	JC/MD	Ok,M
16	Q1448-04MEDL	VX045141.D	05 Mar 2025 14:46	JC/MD	Not Ok
17	IBLK	VX045142.D	05 Mar 2025 15:09	JC/MD	Ok
18	Q1478-08	VX045143.D	05 Mar 2025 15:32	JC/MD	Not Ok
19	Q1478-02DL	VX045144.D	05 Mar 2025 15:56	JC/MD	Ok
20	Q1478-08	VX045145.D	05 Mar 2025 16:19	JC/MD	Ok
21	Q1501-03	VX045146.D	05 Mar 2025 16:42	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX030525

Review By	John Carlone	Review On	3/6/2025 8:28:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/6/2025 2:56:36 PM		
SubDirectory	VX030525	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133217
Initial Calibration Stds	
CCC	VP133218,VP133219
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1501-07	VX045147.D	05 Mar 2025 17:05	JC/MD	Ok
23	Q1501-04	VX045148.D	05 Mar 2025 17:28	JC/MD	Not Ok
24	Q1488-15	VX045149.D	05 Mar 2025 17:52	JC/MD	Ok
25	Q1488-13	VX045150.D	05 Mar 2025 18:15	JC/MD	Ok
26	Q1488-14	VX045151.D	05 Mar 2025 18:38	JC/MD	Dilution
27	Q1494-01	VX045152.D	05 Mar 2025 19:01	JC/MD	ReRun
28	VSTDCCC050	VX045153.D	05 Mar 2025 19:24	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX030625

Review By	John Carlone	Review On	3/10/2025 9:58:48 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/10/2025 2:27:03 PM		
SubDirectory	VX030625	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133226
Initial Calibration Stds	
CCC	VP133227,VP133228
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045154.D	06 Mar 2025 09:09	JC/MD	Ok
2	VSTDCCC050	VX045155.D	06 Mar 2025 09:56	JC/MD	Ok,M
3	VX0306MBL01	VX045156.D	06 Mar 2025 10:23	JC/MD	Ok
4	VX0306WBL01	VX045157.D	06 Mar 2025 10:46	JC/MD	Ok
5	VX0306WBS01	VX045158.D	06 Mar 2025 11:10	JC/MD	Ok,M
6	Q1501-01	VX045159.D	06 Mar 2025 11:36	JC/MD	Ok
7	Q1501-02	VX045160.D	06 Mar 2025 12:00	JC/MD	Ok
8	Q1488-14DL	VX045161.D	06 Mar 2025 12:23	JC/MD	Ok,M
9	Q1501-04	VX045162.D	06 Mar 2025 12:46	JC/MD	ReRun
10	Q1501-05MS	VX045163.D	06 Mar 2025 13:09	JC/MD	Ok,M
11	Q1501-06MSD	VX045164.D	06 Mar 2025 13:33	JC/MD	Ok,M
12	Q1484-06	VX045165.D	06 Mar 2025 13:56	JC/MD	Ok
13	Q1494-01	VX045166.D	06 Mar 2025 14:19	JC/MD	Ok
14	Q1501-04RE	VX045167.D	06 Mar 2025 14:43	JC/MD	Confirms
15	PB166989TB	VX045168.D	06 Mar 2025 15:06	JC/MD	Ok
16	Q1481-02	VX045169.D	06 Mar 2025 15:29	JC/MD	Ok,M
17	Q1488-02	VX045170.D	06 Mar 2025 15:52	JC/MD	Ok
18	Q1488-04	VX045171.D	06 Mar 2025 16:16	JC/MD	Ok
19	Q1488-06	VX045172.D	06 Mar 2025 16:39	JC/MD	Ok
20	Q1488-08	VX045173.D	06 Mar 2025 17:02	JC/MD	Ok
21	Q1488-10	VX045174.D	06 Mar 2025 17:25	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX030625

Review By	John Carlone	Review On	3/10/2025 9:58:48 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/10/2025 2:27:03 PM		
SubDirectory	VX030625	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133226
Initial Calibration Stds	
CCC	VP133227,VP133228
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1488-12	VX045175.D	06 Mar 2025 17:49	JC/MD	Ok
23	Q1490-02	VX045176.D	06 Mar 2025 18:12	JC/MD	Ok
24	Q1494-04	VX045177.D	06 Mar 2025 18:35	JC/MD	Ok
25	Q1494-06	VX045178.D	06 Mar 2025 18:59	JC/MD	Ok
26	Q1494-08	VX045179.D	06 Mar 2025 19:22	JC/MD	Ok
27	Q1478-15	VX045180.D	06 Mar 2025 19:45	JC/MD	Ok
28	VSTDCCC050	VX045181.D	06 Mar 2025 20:09	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM				
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021395.D	04 Mar 2025 08:52	SY/MD	Ok
2	VSTDICC005	VY021396.D	04 Mar 2025 09:23	SY/MD	Not Ok
3	VSTDICC010	VY021397.D	04 Mar 2025 09:46	SY/MD	Ok,M
4	VSTDICC020	VY021398.D	04 Mar 2025 10:09	SY/MD	Ok,M
5	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	SY/MD	Ok,M
6	VSTDICC100	VY021400.D	04 Mar 2025 11:06	SY/MD	Ok,M
7	VSTDICC150	VY021401.D	04 Mar 2025 11:29	SY/MD	Ok,M
8	VIBLK	VY021402.D	04 Mar 2025 11:52	SY/MD	Ok
9	VSTDICC005	VY021403.D	04 Mar 2025 12:15	SY/MD	Ok,M
10	VSTDICV050	VY021404.D	04 Mar 2025 13:12	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM		
SubDirectory	VY030625	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133223
Initial Calibration Stds	
CCC	VP133224,VP133225
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021425.D	06 Mar 2025 09:39	SY/MD	Ok
2	VSTDCCC050	VY021426.D	06 Mar 2025 10:10	SY/MD	Ok,M
3	VY0306SBL01	VY021427.D	06 Mar 2025 11:59	SY/MD	Ok
4	VY0306SBS01	VY021428.D	06 Mar 2025 12:33	SY/MD	Ok,M
5	VY0306SBSD01	VY021429.D	06 Mar 2025 12:55	SY/MD	Ok,M
6	Q1489-05	VY021430.D	06 Mar 2025 13:28	SY/MD	Ok
7	Q1489-01	VY021431.D	06 Mar 2025 13:52	SY/MD	Not Ok
8	Q1421-09	VY021432.D	06 Mar 2025 14:15	SY/MD	Ok
9	Q1479-01	VY021433.D	06 Mar 2025 14:39	SY/MD	Ok
10	Q1479-02	VY021434.D	06 Mar 2025 15:02	SY/MD	ReRun
11	Q1488-01	VY021435.D	06 Mar 2025 15:25	SY/MD	Ok
12	Q1488-03	VY021436.D	06 Mar 2025 15:49	SY/MD	Ok
13	Q1488-05	VY021437.D	06 Mar 2025 16:12	SY/MD	Ok
14	Q1488-07	VY021438.D	06 Mar 2025 16:36	SY/MD	Not Ok
15	Q1488-09	VY021439.D	06 Mar 2025 16:59	SY/MD	ReRun
16	Q1488-11	VY021440.D	06 Mar 2025 17:22	SY/MD	Not Ok
17	Q1463-01	VY021441.D	06 Mar 2025 17:46	SY/MD	Ok
18	Q1463-05	VY021442.D	06 Mar 2025 18:09	SY/MD	Ok
19	Q1463-04	VY021443.D	06 Mar 2025 18:33	SY/MD	Ok
20	Q1463-06	VY021444.D	06 Mar 2025 18:56	SY/MD	Ok
21	Q1463-07	VY021445.D	06 Mar 2025 19:20	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM		
SubDirectory	VY030625	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133223
Initial Calibration Stds	
CCC	VP133224,VP133225
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1463-08	VY021446.D	06 Mar 2025 19:43	SY/MD	Ok
23	Q1463-09	VY021447.D	06 Mar 2025 20:06	SY/MD	Ok
24	Q1463-10	VY021448.D	06 Mar 2025 20:30	SY/MD	ReRun
25	VSTDCCC050	VY021449.D	06 Mar 2025 21:15	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030725

Review By	Mahesh Dadoda	Review On	3/11/2025 2:51:48 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/11/2025 2:52:31 PM				
SubDirectory	VY030725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133232
Initial Calibration Stds	
CCC	VP133233,VP133234
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	VY021450.D	07 Mar 2025 09:27	SY/MD	Ok
2	VSTDCCC050	VY021451.D	07 Mar 2025 09:59	SY/MD	Ok,M
3	VY0307SBL01	VY021452.D	07 Mar 2025 10:35	SY/MD	Ok
4	VY0307SBS01	VY021453.D	07 Mar 2025 12:03	SY/MD	Ok,M
5	VY0307SBSD01	VY021454.D	07 Mar 2025 12:26	SY/MD	Ok,M
6	Q1463-03	VY021455.D	07 Mar 2025 12:55	SY/MD	Ok,M
7	Q1479-02	VY021456.D	07 Mar 2025 13:18	SY/MD	Ok,M
8	Q1463-02	VY021457.D	07 Mar 2025 13:42	SY/MD	ReRun
9	Q1463-10	VY021458.D	07 Mar 2025 14:05	SY/MD	Ok
10	Q1488-07	VY021459.D	07 Mar 2025 14:28	SY/MD	Ok,M
11	Q1488-09	VY021460.D	07 Mar 2025 14:52	SY/MD	Ok
12	Q1488-11	VY021461.D	07 Mar 2025 15:15	SY/MD	Ok
13	Q1514-01	VY021462.D	07 Mar 2025 15:39	SY/MD	ReRun
14	Q1514-03	VY021463.D	07 Mar 2025 16:02	SY/MD	ReRun
15	Q1514-05	VY021464.D	07 Mar 2025 16:25	SY/MD	ReRun
16	Q1515-02	VY021465.D	07 Mar 2025 16:49	SY/MD	ReRun
17	Q1507-01	VY021466.D	07 Mar 2025 17:12	SY/MD	Not Ok
18	Q1508-01	VY021467.D	07 Mar 2025 17:36	SY/MD	ReRun
19	Q1494-05	VY021468.D	07 Mar 2025 17:59	SY/MD	ReRun
20	Q1494-03	VY021469.D	07 Mar 2025 18:23	SY/MD	ReRun
21	Q1494-07	VY021470.D	07 Mar 2025 18:46	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030725

Review By	Mahesh Dadoda	Review On	3/11/2025 2:51:48 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/11/2025 2:52:31 PM				
SubDirectory	VY030725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133232
Initial Calibration Stds	
CCC	VP133233,VP133234
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1490-01	VY021471.D	07 Mar 2025 19:09	SY/MD	Not Ok
23	VSTDCCC050	VY021472.D	07 Mar 2025 19:32	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045067.D	28 Feb 2025 01:03		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX045068.D	28 Feb 2025 01:27		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX045069.D	28 Feb 2025 02:13		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX045070.D	28 Feb 2025 02:37		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX045071.D	28 Feb 2025 03:00		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX045072.D	28 Feb 2025 03:23		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX045073.D	28 Feb 2025 03:47		JC/MD	Ok,M
8	IBLK	IBLK	VX045074.D	28 Feb 2025 04:10		JC/MD	Ok
9	VSTDICV050	ICVVX022825	VX045075.D	28 Feb 2025 04:33		JC/MD	Ok,M
10	BFB	BFB	VX045076.D	28 Feb 2025 10:03		JC/MD	Ok
11	VSTDCCC050	VSTDCCC050	VX045077.D	28 Feb 2025 10:32	V12668	JC/MD	Ok,M
12	VX0228MBL01	VX0228MBL01	VX045078.D	28 Feb 2025 11:00		JC/MD	Ok
13	VX0228WBL01	VX0228WBL01	VX045079.D	28 Feb 2025 11:23		JC/MD	Ok
14	VX0228WBS01	VX0228WBS01	VX045080.D	28 Feb 2025 11:46		JC/MD	Ok,M
15	VX0228WBSD01	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13		JC/MD	Ok,M
16	Q1401-03	BP-VPB-192-GW-840-8	VX045082.D	28 Feb 2025 12:37	vial B pH<2	JC/MD	Ok
17	Q1401-06	BP-VPB-192-GW-900-9	VX045083.D	28 Feb 2025 13:00	vial B pH<2	JC/MD	Ok
18	Q1423-01	BP-VPB-192-TB-20250	VX045084.D	28 Feb 2025 13:23	vial B pH<2 TB	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1423-03	BP-VPB-192-EB-20250	VX045085.D	28 Feb 2025 13:47	vial B pH<2 EB	JC/MD	Ok
20	Q1403-01	Storage-Blank-SOIL-RE	VX045086.D	28 Feb 2025 14:10	vial B pH<2	JC/MD	Ok
21	Q1403-02	Storage-Blank-WATER-	VX045087.D	28 Feb 2025 14:33	vial B pH<2	JC/MD	Ok
22	Q1435-01	286107	VX045088.D	28 Feb 2025 14:57	vial A pH<2	JC/MD	Ok
23	Q1403-04	Storage-Blank-SAMPLE	VX045089.D	28 Feb 2025 15:20	vial B pH<2	JC/MD	Ok
24	Q1462-02	FB	VX045090.D	28 Feb 2025 15:44	vial A pH<2 FB	JC/MD	Ok
25	Q1469-01	Storage-Blank-SOIL-RE	VX045091.D	28 Feb 2025 16:07	vial A pH<2	JC/MD	Ok
26	Q1469-02	Storage-Blank-WATER-	VX045092.D	28 Feb 2025 16:31	vial A pH<2	JC/MD	Ok
27	Q1469-03	Storage-Blank-WATER-	VX045093.D	28 Feb 2025 16:54	vial A pH<2	JC/MD	Ok
28	Q1469-04	Storage-Blank-SAMPLE	VX045094.D	28 Feb 2025 17:17	vial A pH<2	JC/MD	Ok
29	Q1403-03	Storage-Blank-WATER-	VX045095.D	28 Feb 2025 17:41	vial B pH<2	JC/MD	Ok
30	Q1462-01	MW2	VX045096.D	28 Feb 2025 18:04	vial A pH<2	JC/MD	Ok,M
31	IBLK	IBLK	VX045097.D	28 Feb 2025 18:27		JC/MD	Ok
32	VSTDCCC050	VSTDCCC050EC	VX045098.D	28 Feb 2025 18:50		JC/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX030525

Review By	John Carlone	Review On	3/6/2025 8:28:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/6/2025 2:56:36 PM		
SubDirectory	VX030525	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133217
Initial Calibration Stds	
CCC	VP133218,VP133219
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045126.D	05 Mar 2025 08:40		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045127.D	05 Mar 2025 09:12	pH#Lot#V12668	JC/MD	Ok,M
3	VX0305MBL01	VX0305MBL01	VX045128.D	05 Mar 2025 09:39		JC/MD	Ok
4	VX0305WBL01	VX0305WBL01	VX045129.D	05 Mar 2025 10:03		JC/MD	Ok
5	VX0305WBS01	VX0305WBS01	VX045130.D	05 Mar 2025 10:26		JC/MD	Ok,M
6	VX0305MBS01	VX0305MBS01	VX045131.D	05 Mar 2025 10:53		JC/MD	Ok,M
7	Q1480-17	TP-3	VX045132.D	05 Mar 2025 11:16		JC/MD	Ok
8	Q1448-04ME	P3ME	VX045133.D	05 Mar 2025 11:40		JC/MD	Ok
9	IBLK	IBLK	VX045134.D	05 Mar 2025 12:03		JC/MD	Ok
10	VX0305WBSD01	VX0305WBSD01	VX045135.D	05 Mar 2025 12:26		JC/MD	Ok,M
11	Q1478-04DL	IDW-AQ-DRUM-616-02	VX045136.D	05 Mar 2025 12:50	vial B pH<2	JC/MD	Ok
12	Q1478-06DL	IDW-AQ-DRUM-614-02	VX045137.D	05 Mar 2025 13:13	vial B pH<2	JC/MD	Ok
13	Q1478-02DL	IDW-AQ-DRUM-610-02	VX045138.D	05 Mar 2025 13:36	Not req.	JC/MD	Not Ok
14	Q1478-08	IDW-AQ-DRUM-612-02	VX045139.D	05 Mar 2025 13:59	Need lower dilution	JC/MD	Not Ok
15	VX0305MBSD01	VX0305MBSD01	VX045140.D	05 Mar 2025 14:23		JC/MD	Ok,M
16	Q1448-04MEDL	P3MEDL	VX045141.D	05 Mar 2025 14:46	Not req.	JC/MD	Not Ok
17	IBLK	IBLK	VX045142.D	05 Mar 2025 15:09		JC/MD	Ok
18	Q1478-08	IDW-AQ-DRUM-612-02	VX045143.D	05 Mar 2025 15:32	Need lower dilution	JC/MD	Not Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX030525

Review By	John Carlone	Review On	3/6/2025 8:28:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/6/2025 2:56:36 PM		
SubDirectory	VX030525	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133217
Initial Calibration Stds	
CCC	VP133218,VP133219
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1478-02DL	IDW-AQ-DRUM-610-02	VX045144.D	05 Mar 2025 15:56	vial B pH<2	JC/MD	Ok
20	Q1478-08	IDW-AQ-DRUM-612-02	VX045145.D	05 Mar 2025 16:19	vial A pH<2	JC/MD	Ok
21	Q1501-03	EB01-030525	VX045146.D	05 Mar 2025 16:42	vial A pH<2 EB	JC/MD	Ok
22	Q1501-07	TB01-030525	VX045147.D	05 Mar 2025 17:05	vial A pH<2 TB	JC/MD	Ok
23	Q1501-04	BR-05-465-030525	VX045148.D	05 Mar 2025 17:28	Need Straight Run	JC/MD	Not Ok
24	Q1488-15	TB03042025	VX045149.D	05 Mar 2025 17:52	vial A pH<2 TB	JC/MD	Ok
25	Q1488-13	ENV-102-GW01	VX045150.D	05 Mar 2025 18:15	vial A pH<2	JC/MD	Ok
26	Q1488-14	ENV-104-GW01	VX045151.D	05 Mar 2025 18:38	vial A pH<2 Need 4X	JC/MD	Dilution
27	Q1494-01	PURGE-WATER	VX045152.D	05 Mar 2025 19:01	vial A pH<2 E flag in previous sample	JC/MD	ReRun
28	VSTDCCC050	VSTDCCC050EC	VX045153.D	05 Mar 2025 19:24		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX030625

Review By	John Carlone	Review On	3/10/2025 9:58:48 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/10/2025 2:27:03 PM		
SubDirectory	VX030625	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133226
Initial Calibration Stds	
CCC	VP133227,VP133228
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045154.D	06 Mar 2025 09:09		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045155.D	06 Mar 2025 09:56	pH#Lot#V12668	JC/MD	Ok,M
3	VX0306MBL01	VX0306MBL01	VX045156.D	06 Mar 2025 10:23		JC/MD	Ok
4	VX0306WBL01	VX0306WBL01	VX045157.D	06 Mar 2025 10:46		JC/MD	Ok
5	VX0306WBS01	VX0306WBS01	VX045158.D	06 Mar 2025 11:10		JC/MD	Ok,M
6	Q1501-01	MW-16B-87.5-030425	VX045159.D	06 Mar 2025 11:36	vial A pH<2	JC/MD	Ok
7	Q1501-02	MW-16B-87.5-030425-I	VX045160.D	06 Mar 2025 12:00	vial A pH<2	JC/MD	Ok
8	Q1488-14DL	ENV-104-GW01DL	VX045161.D	06 Mar 2025 12:23	vial B pH<2	JC/MD	Ok,M
9	Q1501-04	BR-05-465-030525	VX045162.D	06 Mar 2025 12:46	vial A pH<2 Surrogate Fail	JC/MD	ReRun
10	Q1501-05MS	BR-05-465-030525MS	VX045163.D	06 Mar 2025 13:09	vial A pH<2	JC/MD	Ok,M
11	Q1501-06MSD	BR-05-465-030525MSD	VX045164.D	06 Mar 2025 13:33	vial A pH<2	JC/MD	Ok,M
12	Q1484-06	TR-OTR-COMP-01	VX045165.D	06 Mar 2025 13:56	vial A pH#5.0	JC/MD	Ok
13	Q1494-01	PURGE-WATER	VX045166.D	06 Mar 2025 14:19	vial B pH<2	JC/MD	Ok
14	Q1501-04RE	BR-05-465-030525RE	VX045167.D	06 Mar 2025 14:43	vial B pH<2 Surrogate Fail	JC/MD	Confirms
15	PB166989TB	PB166989TB	VX045168.D	06 Mar 2025 15:06		JC/MD	Ok
16	Q1481-02	WC-K1311	VX045169.D	06 Mar 2025 15:29	vial A pH#5.0	JC/MD	Ok,M
17	Q1488-02	ENV-101-SB01	VX045170.D	06 Mar 2025 15:52	vial A pH#5.0	JC/MD	Ok
18	Q1488-04	ENV-101-SB02	VX045171.D	06 Mar 2025 16:16	vial A pH#5.0	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX030625

Review By	John Carlone	Review On	3/10/2025 9:58:48 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/10/2025 2:27:03 PM		
SubDirectory	VX030625	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133226
Initial Calibration Stds	
CCC	VP133227,VP133228
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1488-06	ENV-102-SB01	VX045172.D	06 Mar 2025 16:39	vial A pH#5.0	JC/MD	Ok
20	Q1488-08	ENV-102-SB02	VX045173.D	06 Mar 2025 17:02	vial A pH#5.0	JC/MD	Ok
21	Q1488-10	ENV-104-SB01	VX045174.D	06 Mar 2025 17:25	vial A pH#5.0	JC/MD	Ok
22	Q1488-12	ENV-104-SB02	VX045175.D	06 Mar 2025 17:49	vial A pH#5.0	JC/MD	Ok
23	Q1490-02	CLAY-SLUDGE-DRUM	VX045176.D	06 Mar 2025 18:12	vial A pH#5.0	JC/MD	Ok
24	Q1494-04	ASPHALT-SOIL	VX045177.D	06 Mar 2025 18:35	vial A pH#5.0	JC/MD	Ok
25	Q1494-06	SOIL	VX045178.D	06 Mar 2025 18:59	vial A pH#5.0	JC/MD	Ok
26	Q1494-08	SOIL-COMP	VX045179.D	06 Mar 2025 19:22	vial A pH#5.0	JC/MD	Ok
27	Q1478-15	IDW-SO-DRUM-582-02	VX045180.D	06 Mar 2025 19:45	vial A pH#5.0	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX045181.D	06 Mar 2025 20:09		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM		
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021395.D	04 Mar 2025 08:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021396.D	04 Mar 2025 09:23	not used	SY/MD	Not Ok
3	VSTDICC010	VSTDICC010	VY021397.D	04 Mar 2025 09:46		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021398.D	04 Mar 2025 10:09	Comp.#11 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	Comp.#95 is on Quadratic Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021400.D	04 Mar 2025 11:06		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021401.D	04 Mar 2025 11:29	Method fail for comp.#13	SY/MD	Ok,M
8	VIBLK	VIBLK	VY021402.D	04 Mar 2025 11:52		SY/MD	Ok
9	VSTDICC005	VSTDICC005	VY021403.D	04 Mar 2025 12:15		SY/MD	Ok,M
10	VSTDICV050	ICVVY030425	VY021404.D	04 Mar 2025 13:12		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM		
SubDirectory	VY030625	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133223
Initial Calibration Stds	
CCC	VP133224,VP133225
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021425.D	06 Mar 2025 09:39		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021426.D	06 Mar 2025 10:10		SY/MD	Ok,M
3	VY0306SBL01	VY0306SBL01	VY021427.D	06 Mar 2025 11:59		SY/MD	Ok
4	VY0306SBS01	VY0306SBS01	VY021428.D	06 Mar 2025 12:33		SY/MD	Ok,M
5	VY0306SBSD01	VY0306SBSD01	VY021429.D	06 Mar 2025 12:55		SY/MD	Ok,M
6	Q1489-05	TP-2	VY021430.D	06 Mar 2025 13:28	vial-B	SY/MD	Ok
7	Q1489-01	TP-1	VY021431.D	06 Mar 2025 13:52	vial-B Not purge	SY/MD	Not Ok
8	Q1421-09	P001-CLAY-CF02-01	VY021432.D	06 Mar 2025 14:15	vial-B	SY/MD	Ok
9	Q1479-01	P5	VY021433.D	06 Mar 2025 14:39	vial-A	SY/MD	Ok
10	Q1479-02	DSP2	VY021434.D	06 Mar 2025 15:02	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q1488-01	ENV-101-SB01	VY021435.D	06 Mar 2025 15:25	vial-A	SY/MD	Ok
12	Q1488-03	ENV-101-SB02	VY021436.D	06 Mar 2025 15:49	vial-A	SY/MD	Ok
13	Q1488-05	ENV-102-SB01	VY021437.D	06 Mar 2025 16:12	vial-A	SY/MD	Ok
14	Q1488-07	ENV-102-SB02	VY021438.D	06 Mar 2025 16:36	vial-A Not purge	SY/MD	Not Ok
15	Q1488-09	ENV-104-SB01	VY021439.D	06 Mar 2025 16:59	vial-A Internal Standard Fail	SY/MD	ReRun
16	Q1488-11	ENV-104-SB02	VY021440.D	06 Mar 2025 17:22	vial-A Not purge	SY/MD	Not Ok
17	Q1463-01	T1	VY021441.D	06 Mar 2025 17:46	vial-B	SY/MD	Ok
18	Q1463-05	T5	VY021442.D	06 Mar 2025 18:09	vial-B	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM		
SubDirectory	VY030625	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133223
Initial Calibration Stds	
CCC	VP133224,VP133225
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1463-04	T4	VY021443.D	06 Mar 2025 18:33	Vial-B	SY/MD	Ok
20	Q1463-06	T6	VY021444.D	06 Mar 2025 18:56	Vial-A	SY/MD	Ok
21	Q1463-07	T7	VY021445.D	06 Mar 2025 19:20	Vial-A	SY/MD	Ok
22	Q1463-08	T8	VY021446.D	06 Mar 2025 19:43	Vial-A	SY/MD	Ok
23	Q1463-09	T9	VY021447.D	06 Mar 2025 20:06	Vial-A	SY/MD	Ok
24	Q1463-10	T10	VY021448.D	06 Mar 2025 20:30	Vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
25	VSTDCCC050	VSTDCCC050EC	VY021449.D	06 Mar 2025 21:15		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030725

Review By	Mahesh Dadoda	Review On	3/11/2025 2:51:48 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/11/2025 2:52:31 PM		
SubDirectory	VY030725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133232
Initial Calibration Stds	
CCC	VP133233,VP133234
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	VY021450.D	07 Mar 2025 09:27		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021451.D	07 Mar 2025 09:59		SY/MD	Ok,M
3	VY0307SBL01	VY0307SBL01	VY021452.D	07 Mar 2025 10:35		SY/MD	Ok
4	VY0307SBS01	VY0307SBS01	VY021453.D	07 Mar 2025 12:03		SY/MD	Ok,M
5	VY0307SBSD01	VY0307SBSD01	VY021454.D	07 Mar 2025 12:26	BSD Failed Low for com.#73,87,88	SY/MD	Ok,M
6	Q1463-03	T3	VY021455.D	07 Mar 2025 12:55	vial-B	SY/MD	Ok,M
7	Q1479-02	DSP2	VY021456.D	07 Mar 2025 13:18	vial-B	SY/MD	Ok,M
8	Q1463-02	T2	VY021457.D	07 Mar 2025 13:42	vial-A Internal standard fail	SY/MD	ReRun
9	Q1463-10	T10	VY021458.D	07 Mar 2025 14:05	vial-B	SY/MD	Ok
10	Q1488-07	ENV-102-SB02	VY021459.D	07 Mar 2025 14:28	vial-B	SY/MD	Ok,M
11	Q1488-09	ENV-104-SB01	VY021460.D	07 Mar 2025 14:52	Vial-B	SY/MD	Ok
12	Q1488-11	ENV-104-SB02	VY021461.D	07 Mar 2025 15:15	Vial-B Internal standard fail	SY/MD	Ok
13	Q1514-01	ENV-105-SB01	VY021462.D	07 Mar 2025 15:39	Vial-A BSD failed Low	SY/MD	ReRun
14	Q1514-03	ENV-105-SB02	VY021463.D	07 Mar 2025 16:02	Vial-A BSD failed Low	SY/MD	ReRun
15	Q1514-05	ENV-103-SB01	VY021464.D	07 Mar 2025 16:25	Vial-A BSD failed Low	SY/MD	ReRun
16	Q1515-02	AU-06-030625-E2	VY021465.D	07 Mar 2025 16:49	Vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
17	Q1507-01	50-MIDDLESEX-AVE	VY021466.D	07 Mar 2025 17:12	Vial-A Not purge	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030725

Review By	Mahesh Dadoda	Review On	3/11/2025 2:51:48 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/11/2025 2:52:31 PM		
SubDirectory	VY030725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133232
Initial Calibration Stds	
CCC	VP133233,VP133234
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1508-01	RBR251372	VY021467.D	07 Mar 2025 17:36	Vial-A Internal standard fail	SY/MD	ReRun
19	Q1494-05	SOIL	VY021468.D	07 Mar 2025 17:59	Vial-A Internal standard fail	SY/MD	ReRun
20	Q1494-03	ASPHALT-SOIL	VY021469.D	07 Mar 2025 18:23	Vial-A Internal standard fail	SY/MD	ReRun
21	Q1494-07	SOIL-COMP	VY021470.D	07 Mar 2025 18:46	Vial-A Internal standard fail	SY/MD	ReRun
22	Q1490-01	CLAY-SLUDGE-DRUM	VY021471.D	07 Mar 2025 19:09	Vial-A Not purge	SY/MD	Not Ok
23	VSTDCCC050	VSTDCCC050EC	VY021472.D	07 Mar 2025 19:32		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 03/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:35
Out Date: 03/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134889

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
Q1480-01	TP-1	1	1.13	8.86	9.99	8.95	88.3	
Q1480-02	TP-1-E2	2	1.12	8.86	9.98	9.14	90.5	
Q1480-03	TP-1-E3	3	1.15	8.76	9.91	8.11	79.5	
Q1480-04	TP-1-E4	4	1.15	8.48	9.63	8.73	89.4	
Q1480-05	TP-1-E5	5	1.15	8.82	9.97	8.71	85.7	
Q1480-06	TP-1-E6	6	1.15	8.81	9.96	8.93	88.3	
Q1480-07	TP-1-E7	7	1.14	8.71	9.85	8.61	85.8	
Q1480-09	TP-2	8	1.12	8.74	9.86	8.56	85.1	
Q1480-10	TP-2-E2	9	1.14	8.82	9.96	8.53	83.8	
Q1480-11	TP-2-E3	10	1.15	8.50	9.65	8.62	87.9	
Q1480-12	TP-2-E4	11	1.14	8.76	9.9	8.8	87.4	
Q1480-13	TP-2-E5	12	1.15	8.82	9.97	8.92	88.1	
Q1480-14	TP-2-E6	13	1.16	8.82	9.98	8.95	88.3	
Q1480-15	TP-2-E7	14	1.12	8.73	9.85	8.88	88.9	
Q1480-17	TP-3	15	1.15	8.83	9.98	9.11	90.1	
Q1480-18	TP-3-E2	16	1.15	8.83	9.98	8.89	87.7	
Q1480-19	TP-3-E3	17	1.13	8.58	9.71	8.67	87.9	
Q1480-20	TP-3-E4	18	1.15	8.61	9.76	8.51	85.5	
Q1480-21	TP-3-E5	19	1.15	8.80	9.95	8.8	86.9	
Q1480-22	TP-3-E6	20	1.15	8.84	9.99	8.92	87.9	
Q1480-23	TP-3-E7	21	1.19	8.63	9.82	8.75	87.6	
Q1480-25	TP-4	22	1.14	8.83	9.97	9.07	89.8	
Q1480-26	TP-4-E2	23	1.17	8.80	9.97	9.32	92.6	
Q1480-27	TP-4-E3	24	1.13	8.76	9.89	8.95	89.3	
Q1480-28	TP-4-E4	25	1.16	8.81	9.97	9.13	90.5	
Q1480-29	TP-4-E5	26	1.12	8.67	9.79	8.97	90.5	
Q1480-30	TP-4-E6	27	1.15	8.83	9.98	9.34	92.8	
Q1480-31	TP-4-E7	28	1.11	8.62	9.73	8.88	90.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 03/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:35
Out Date: 03/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134889

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
Q1481-01	WC-K1311	29	1.15	8.70	9.85	9.00	90.2	
Q1482-01	OR-03-030425	30	1.15	8.48	9.63	8.85	90.8	
Q1482-02	OR-03-030425-E2	31	1.15	8.83	9.98	9.17	90.8	
Q1484-01	TR-OTR-COMP-01	35	1.15	8.83	9.98	9.14	90.5	
Q1484-02	TR-OTR-VOC-01	36	1.15	8.81	9.96	9.22	91.6	
Q1484-03	TR-OTR-01	37	1.12	8.63	9.75	8.83	89.3	
Q1484-04	TR-OTR-02	38	1.15	8.78	9.93	8.99	89.3	
Q1484-05	TR-OTR-03	39	1.14	8.63	9.77	8.6	86.4	
Q1485-01	DN-B-41	32	1.16	8.53	9.69	8.25	83.1	
Q1486-01	DN-B-40	33	1.16	8.40	9.56	9.02	93.6	
Q1487-01	DN-B-42	34	1.13	8.84	9.97	8.92	88.1	
Q1488-01	ENV-101-SB01	40	1.13	8.45	9.58	8.61	88.5	
Q1488-03	ENV-101-SB02	41	1.15	8.82	9.97	9.14	90.6	
Q1488-05	ENV-102-SB01	42	1.16	8.82	9.98	8.72	85.7	
Q1488-07	ENV-102-SB02	43	1.13	8.55	9.68	7.98	80.1	
Q1488-09	ENV-104-SB01	44	1.12	8.50	9.62	8.14	82.6	
Q1488-11	ENV-104-SB02	45	1.14	8.85	9.99	8.32	81.1	
Q1489-01	TP-1	46	1.13	8.86	9.99	8.18	79.6	
Q1489-02	TP-1-E2	47	1.15	8.83	9.98	8.17	79.5	
Q1489-03	TP-1-E3	48	1.13	8.70	9.83	7.68	75.3	
Q1489-05	TP-2	49	1.11	8.76	9.87	6.93	66.4	
Q1489-06	TP-2-E2	50	1.16	8.63	9.79	7.38	72.1	
Q1489-07	TP-2-E3	51	1.15	8.83	9.98	7.53	72.3	
Q1489-09	TP-3	52	1.19	8.58	9.77	7.71	76.0	
Q1489-10	TP-3-E2	53	1.15	8.84	9.99	8.7	85.4	
Q1489-11	TP-3-E3	54	1.15	8.38	9.53	7.9	80.5	
Q1489-13	TP-4	55	1.16	8.81	9.97	8.57	84.1	
Q1489-14	TP-4-E2	56	1.16	8.82	9.98	8.46	82.8	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 03/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:35
Out Date: 03/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134889

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
Q1489-15	TP-4-E3	57	1.16	8.50	9.66	8.02	80.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

UB134889

WorkList Name : %1-030425 **WorkList ID :** 187994 **Department :** Wet-Chemistry **Date :** 03-04-2025 07:58:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1480-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-02	TP-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-03	TP-1-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-04	TP-1-E4	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-05	TP-1-E5	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-06	TP-1-E6	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-07	TP-1-E7	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-09	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-10	TP-2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-11	TP-2-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-12	TP-2-E4	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-13	TP-2-E5	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-14	TP-2-E6	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-15	TP-2-E7	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-17	TP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-18	TP-3-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-19	TP-3-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-20	TP-3-E4	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-21	TP-3-E5	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-22	TP-3-E6	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-23	TP-3-E7	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO

Date/Time 03/04/25 16:15

Raw Sample Received by: JD (WC)

Raw Sample Relinquished by: CP SM

Date/Time 03/04/25 18:00

Raw Sample Received by: CP SM

Raw Sample Relinquished by: JD (WC)

WORKLIST(Hardcopy Internal Chain)

VB134889

WorkList Name : %1-030425 **WorkList ID :** 187994 **Department :** Wet-Chemistry **Date :** 03-04-2025 07:58:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1480-25	TP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-26	TP-4-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-27	TP-4-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-28	TP-4-E4	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-29	TP-4-E5	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-30	TP-4-E6	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-31	TP-4-E7	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1481-01	WC-K1311	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1482-01	OR-03-030425	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	03/04/2025	Chemtech -SO
Q1482-02	OR-03-030425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	03/04/2025	Chemtech -SO
Q1484-01	TR-OTR-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	03/04/2025	Chemtech -SO
Q1484-02	TR-OTR-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	03/04/2025	Chemtech -SO
Q1484-03	TR-OTR-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	03/04/2025	Chemtech -SO
Q1484-04	TR-OTR-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	03/04/2025	Chemtech -SO
Q1484-05	TR-OTR-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	03/04/2025	Chemtech -SO
Q1485-01	DN-B-41	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	03/04/2025	Chemtech -SO
Q1486-01	DN-B-40	Solid	Percent Solids	Cool 4 deg C	JPCL01	I11	03/04/2025	Chemtech -SO
Q1487-01	DN-B-42	Solid	Percent Solids	Cool 4 deg C	JPCL01	I11	03/04/2025	Chemtech -SO
Q1488-01	ENV-101-SB01	Solid	Percent Solids	Cool 4 deg C	JPCL01	I11	03/04/2025	Chemtech -SO
Q1488-03	ENV-101-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	H31	03/04/2025	Chemtech -SO
Q1488-05	ENV-102-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	H31	03/04/2025	Chemtech -SO

Date/Time 03/04/25 16:15

Raw Sample Received by: SB (WC)

Raw Sample Relinquished by: CP SM

Date/Time 03/04/25 18:00

Raw Sample Received by: CP SM

Raw Sample Relinquished by: SB (WC)

WORKLIST(Hardcopy Internal Chain)

1B134889

WorkList Name : %1-030425 **WorkList ID :** 187994 **Department :** Wet-Chemistry **Date :** 03-04-2025 07:58:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1488-07	ENV-102-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	H31	03/04/2025	Chemtech -SO
Q1488-09	ENV-104-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	H31	03/04/2025	Chemtech -SO
Q1488-11	ENV-104-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	H31	03/04/2025	Chemtech -SO
Q1489-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-02	TP-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-03	TP-1-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-05	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-06	TP-2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-07	TP-2-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-09	TP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-10	TP-3-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-11	TP-3-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-13	TP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-14	TP-4-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-15	TP-4-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO

Date/Time 03/04/25 16:15

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 03/04/25 1840

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

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

Prep Standard - Chemical Standard Summary

Order ID : Q1488

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VX030525,VX030625,vy030625,vy030725,

Standard ID :
VP131746,VP131767,VP131783,VP132035,VP132036,VP132096,VP132098,VP133036,VP133037,VP133174,VP133175,VP133178,VP133179,VP133217,VP133218,VP133219,VP133223,VP133224,VP133225,VP133226,VP133227,VP133228,VP133232,VP133233,VP133234,

Chemical ID :
V13391,V13457,V13460,V13465,V13466,V13706,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14613,V14614,V14624,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14744,V14754,V14809,V14814,V14842,V14872,V14873,V14874,V14875,W3112,

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP131783	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.02000ml of V14289 + 9.98000ml of V14154 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

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Fax : 908 789 8922

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1811	8260 Working Std(2-CVE)-500ppm	VP132036	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 7.50000ml of V14614 + 12.50000ml of VP132035 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133036	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/18/2025

FROM 1.00000ml of V14872 + 1.00000ml of V14873 + 1.00000ml of V14874 + 1.00000ml of V14875 + 21.00000ml of V14624 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
56	8260 Working STD (Acrolein) -first source, 500PPM	VP133037	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/18/2025

FROM 5.62500ml of V14624 + 9.37500ml of VP133036 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP133174	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V13706 + 24.60000ml of V14613 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP133175	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.10000ml of V13706 + 24.90000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133178	02/27/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V14842 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14724 + 1.00000ml of V14744 + 1.00000ml of V14754 + 1.00000ml of V14809 + 1.00000ml of V14814 + 1.50000ml of V14722 + 1.50000ml of V14723 + 10.60000ml of V14613 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
244	8260 Calibration Working STD Mix-First source, 100PPM	VP133179	02/27/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 5.62500ml of V14613 + 9.37500ml of VP133178 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133217	03/05/2025	03/06/2025	John Carlone	None	None	Mahesh Dadoda 03/07/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133218	03/05/2025	03/06/2025	John Carlone	None	None	Mahesh Dadoda 03/07/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133219	03/05/2025	03/06/2025	John Carlone	None	None	Mahesh Dadoda 03/07/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = Final Quantity: 40.000 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	VP133223	03/06/2025	03/07/2025	Romaben Patel	None	None	Mahesh Dadoda 03/07/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133224	03/06/2025	03/07/2025	Romaben Patel	None	None	Mahesh Dadoda 03/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133037 + 0.00250ml of VP133175 + 0.00250ml of VP133179 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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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	VP133225	03/06/2025	03/07/2025	Romaben Patel	None	None	Mahesh Dadoda 03/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133037 + 0.00250ml of VP133175 + 0.00250ml of VP133179 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133226	03/06/2025	03/07/2025	John Carlone	None	None	Mahesh Dadoda 03/11/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133227	03/06/2025	03/07/2025	John Carlone	None	None	Mahesh Dadoda 03/11/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133228	03/06/2025	03/07/2025	John Carlone	None	None	Mahesh Dadoda 03/11/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = Final Quantity: 40.000 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	VP133232	03/07/2025	03/08/2025	Amit Patel	None	None	Romaben Patel 03/11/2025

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	VP133233	03/07/2025	03/08/2025	Amit Patel	None	None	Romaben Patel 03/11/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133037 + 0.00250ml of VP133175 + 0.00250ml of VP133179 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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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	VP133234	03/07/2025	03/08/2025	Amit Patel	None	None	Romaben Patel 03/11/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133037 + 0.00250ml of VP133175 + 0.00250ml of VP133179 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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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	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

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	V13460

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	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

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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	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14433

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14439

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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	V14521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

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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	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14722

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14723

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

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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	08/27/2025	02/27/2025 / SAM	12/17/2024 / SAM	V14744

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	05/31/2031	01/10/2025 / SAM	12/17/2024 / SAM	V14754

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14809

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14814

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	08/27/2025	02/27/2025 / SAM	01/21/2025 / SAM	V14842

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14872

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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.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

5 J14

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

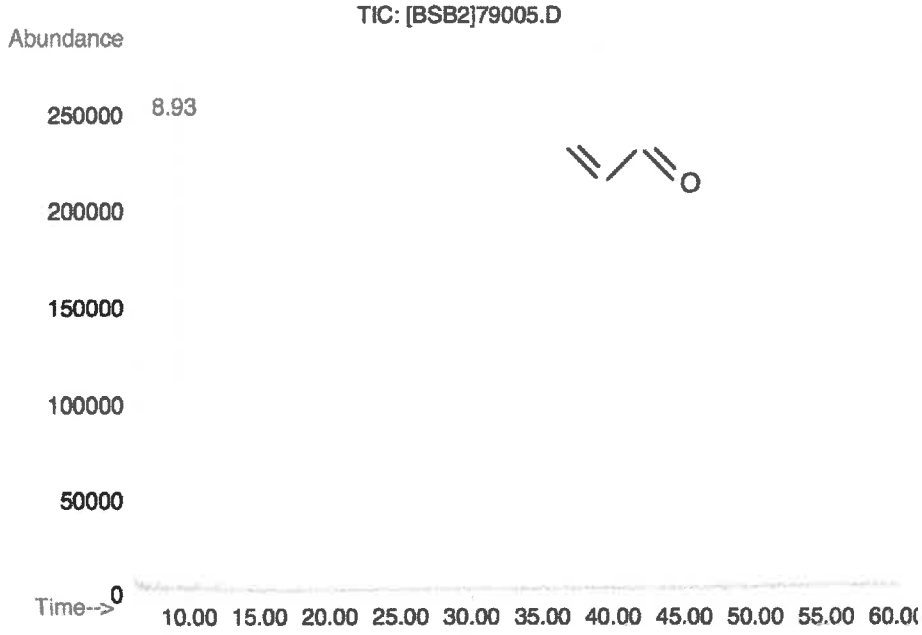
V14872 to
V14876

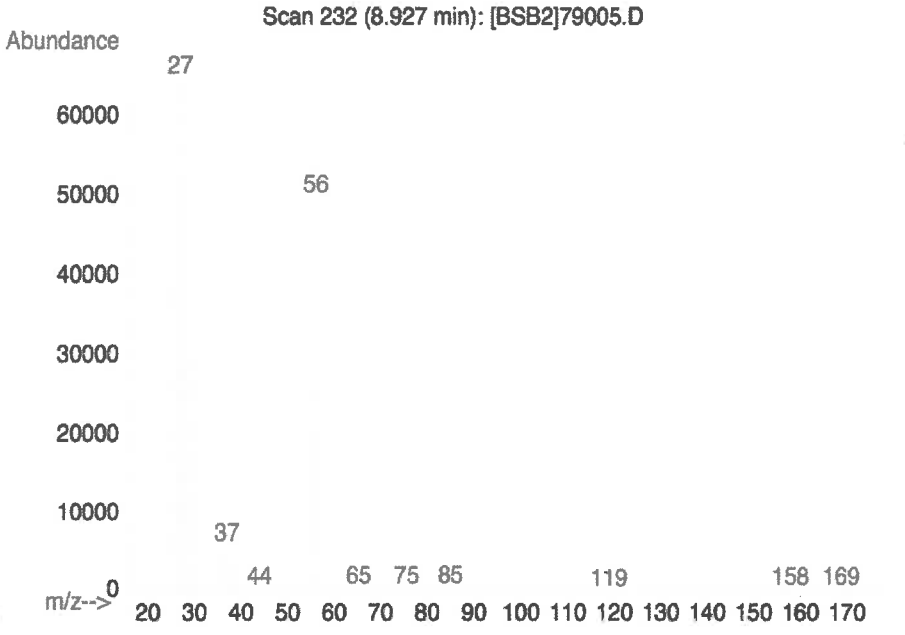
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	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

5 J14

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

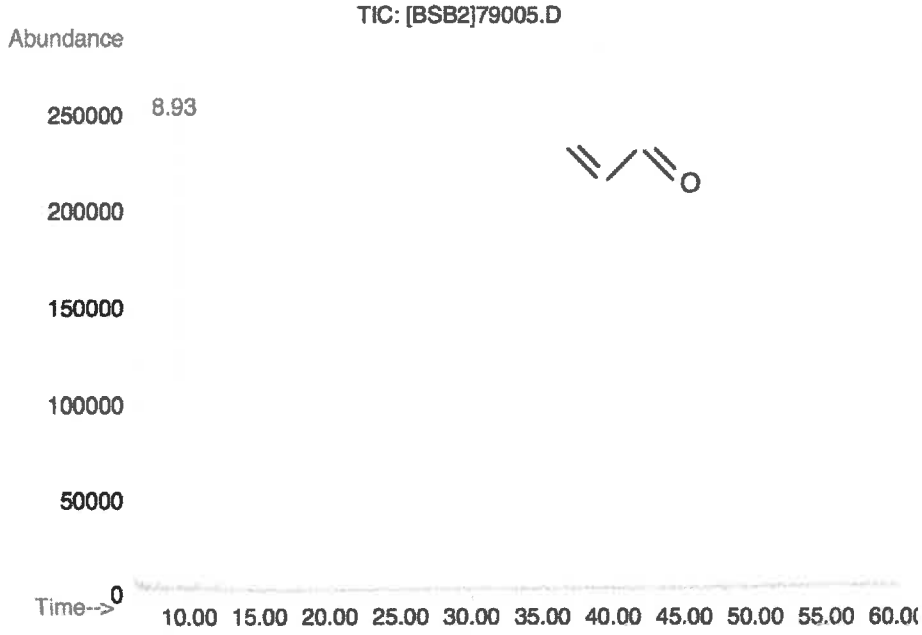
V14872 to
V14876

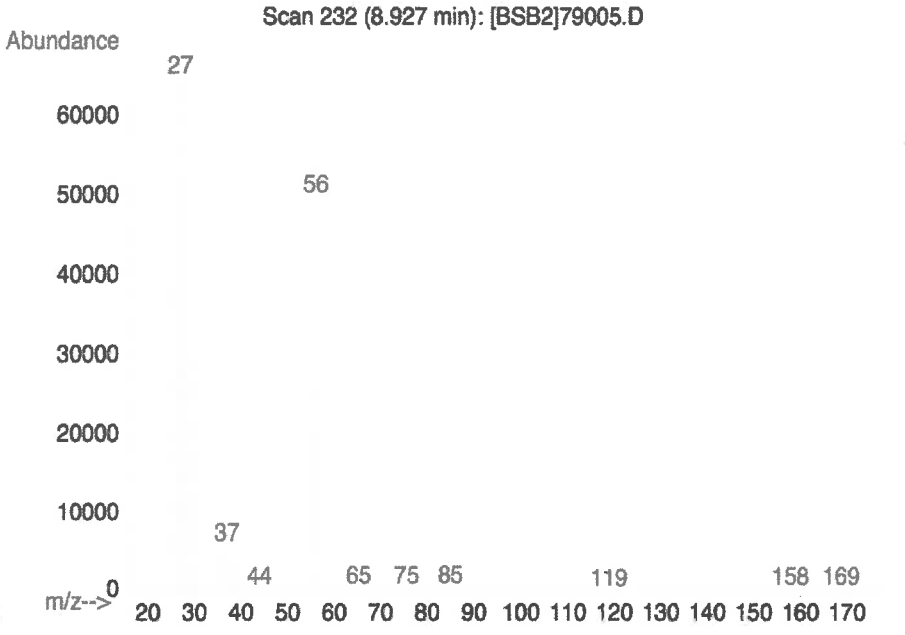
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	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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Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

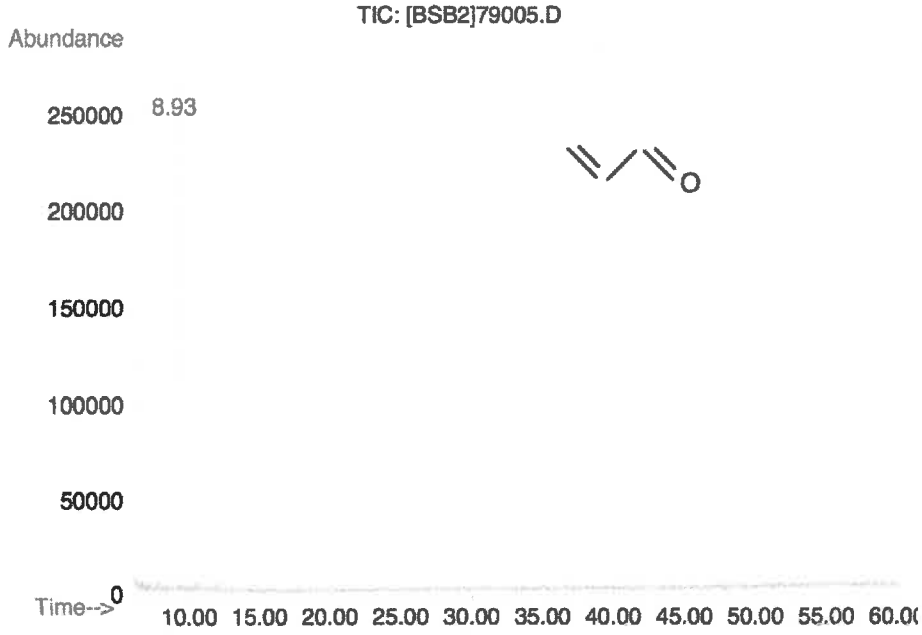
V14872 to
V14876

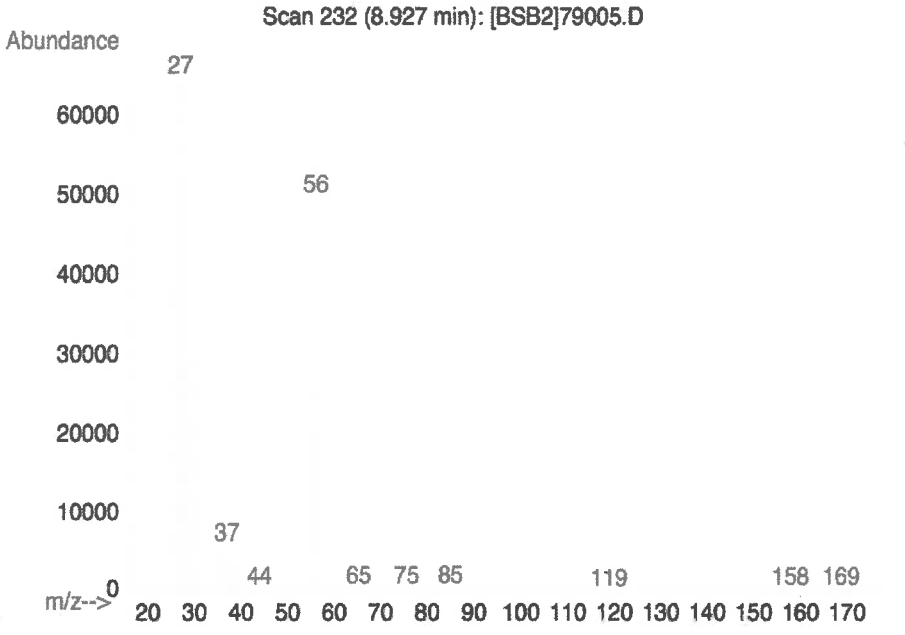
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

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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.

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Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

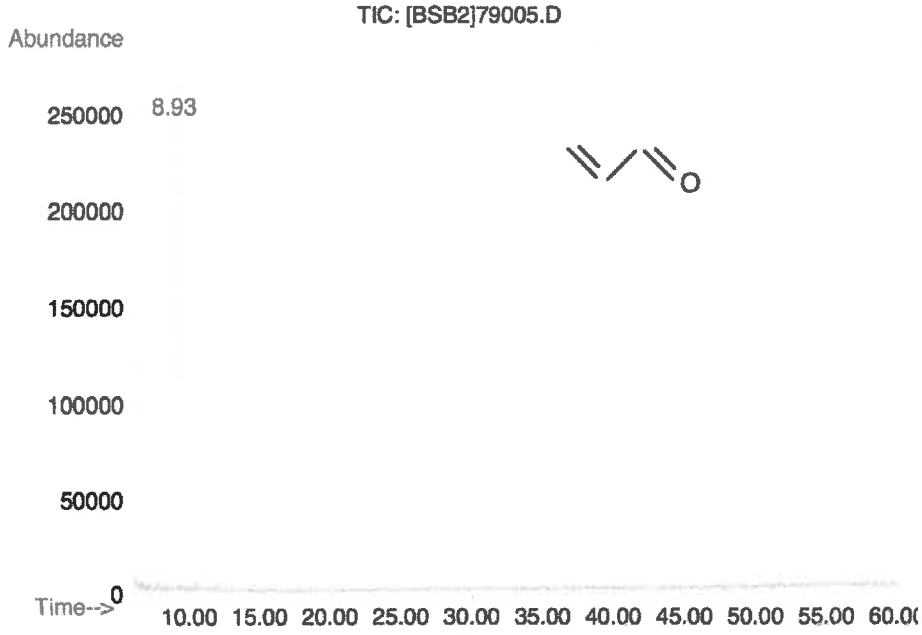
V14872 to
V14876

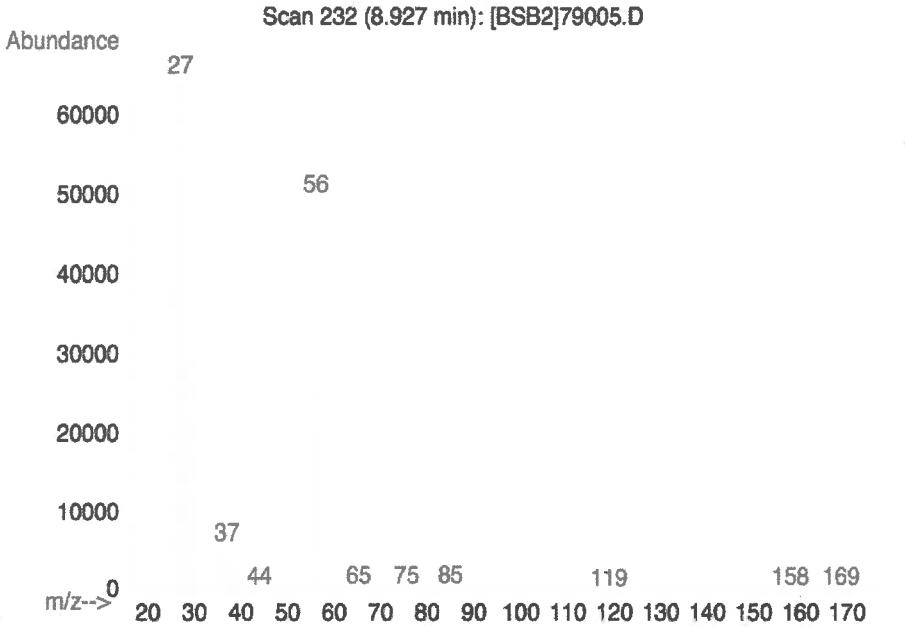
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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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.
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If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

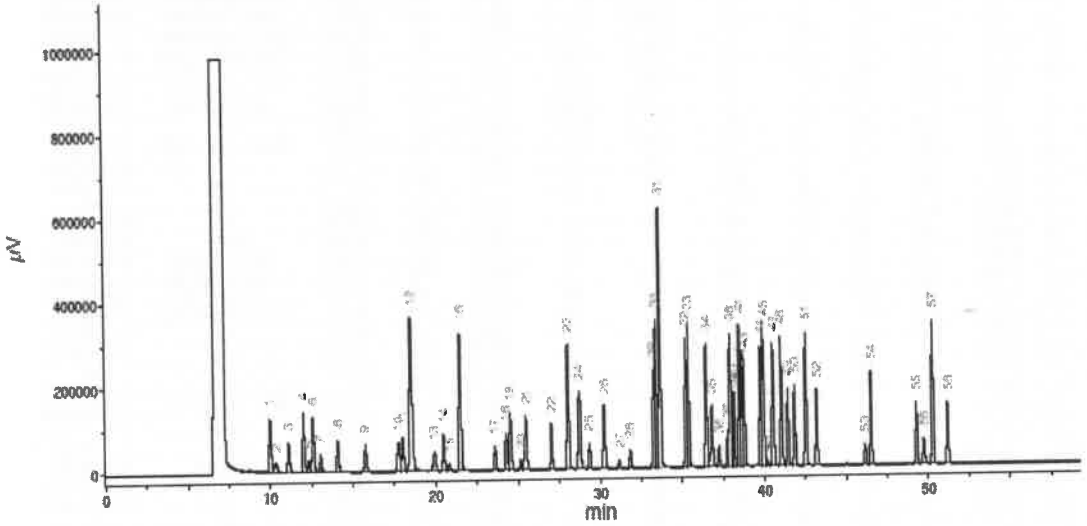
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	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	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	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	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

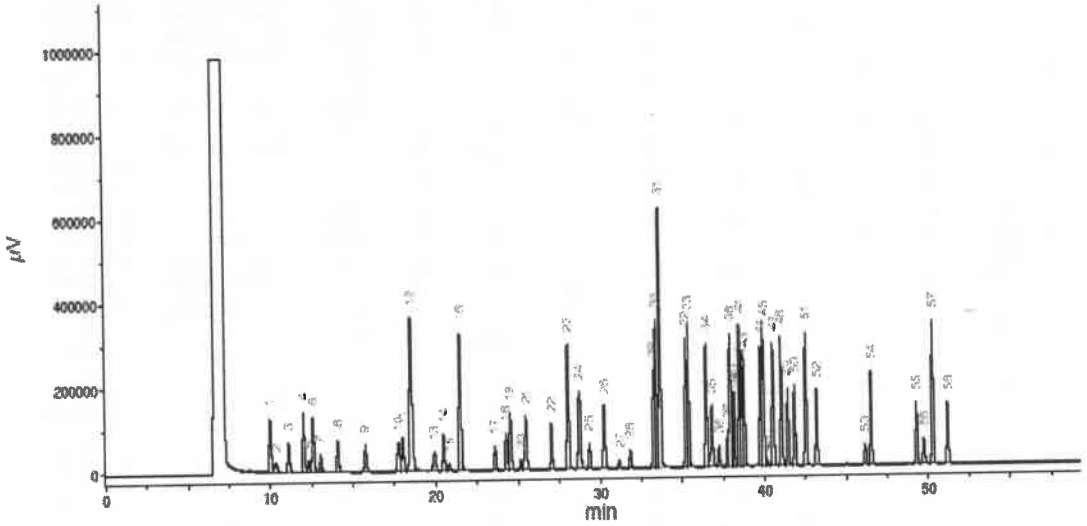
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	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	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	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	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
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www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

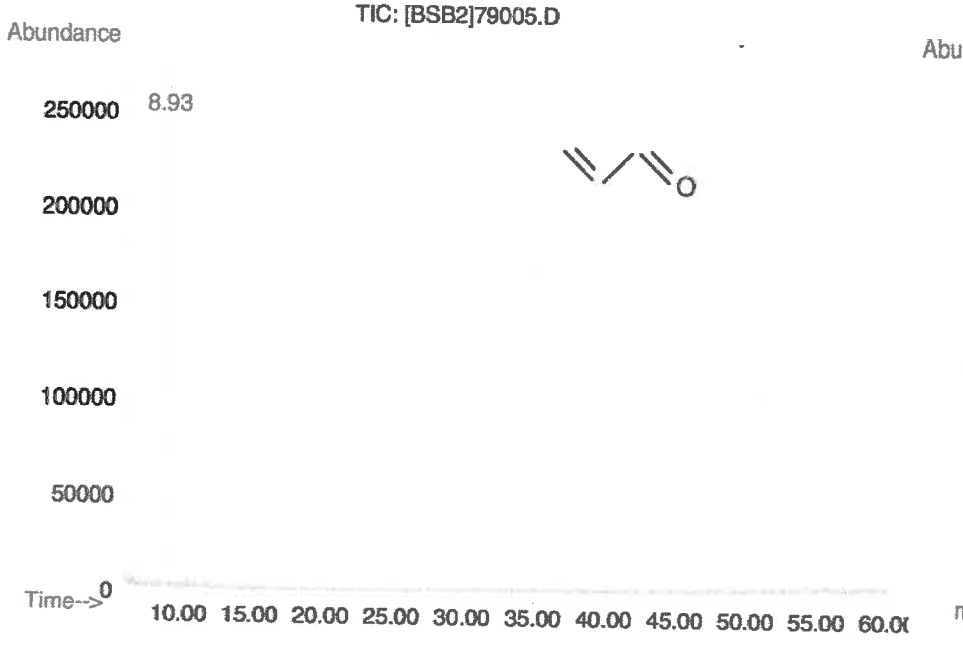
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

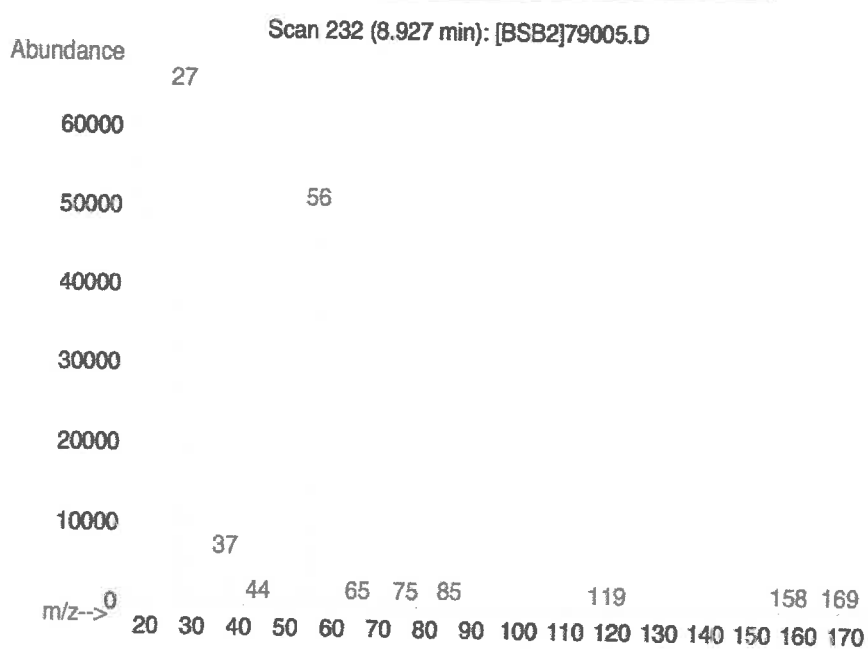
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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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

Solvent(s): **Lot#**
Water 072324Q

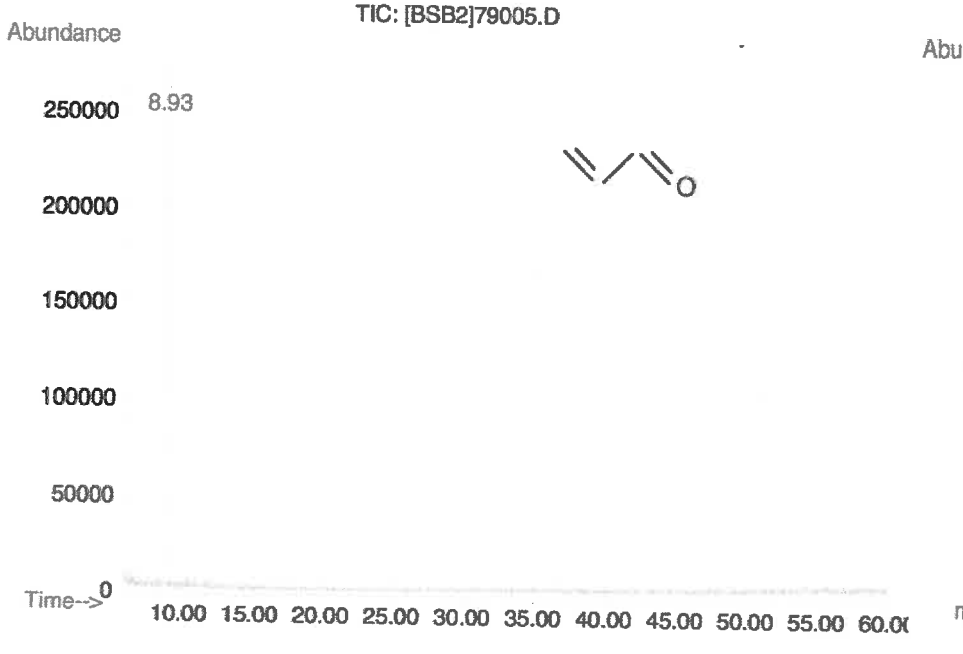
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

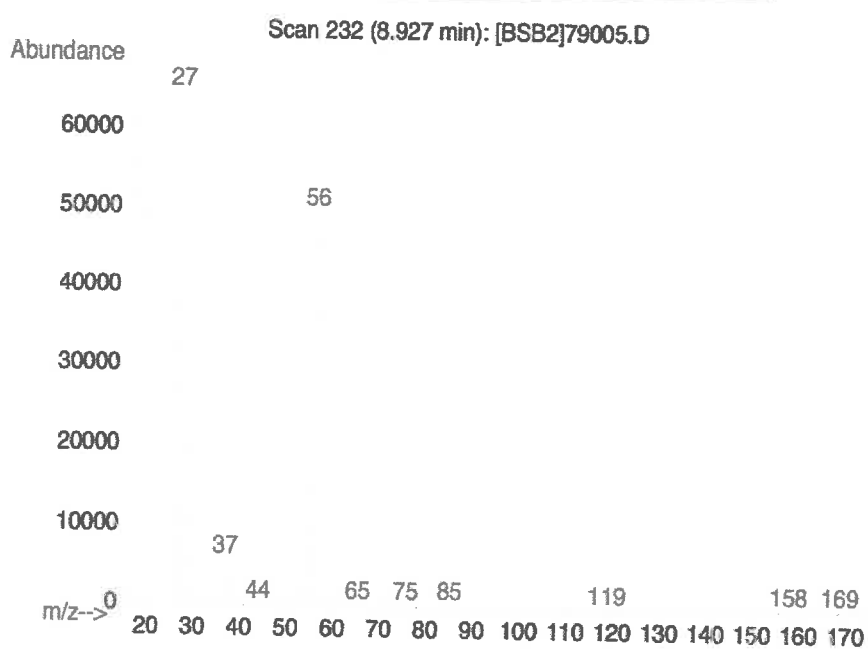
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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.
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Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

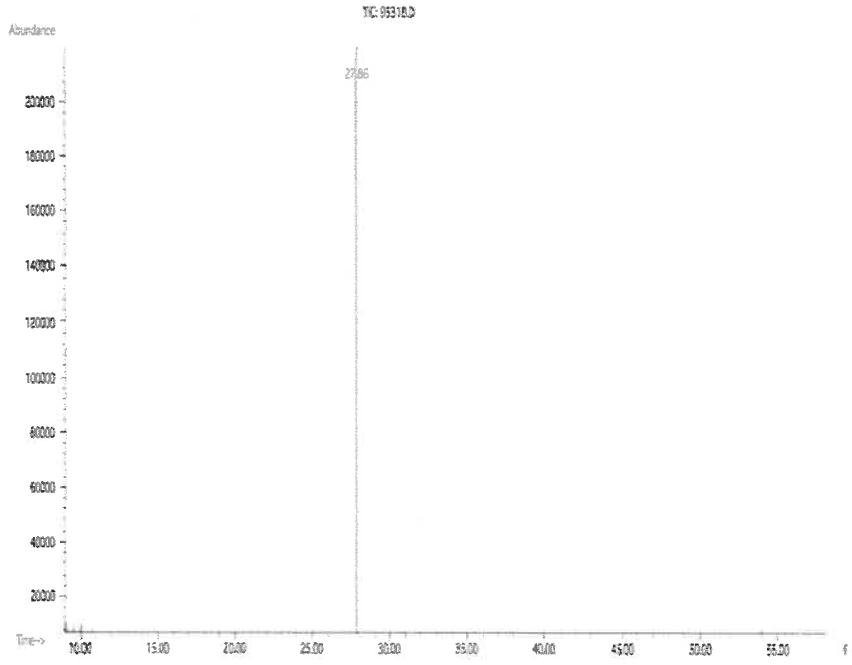
V14630 to V14649

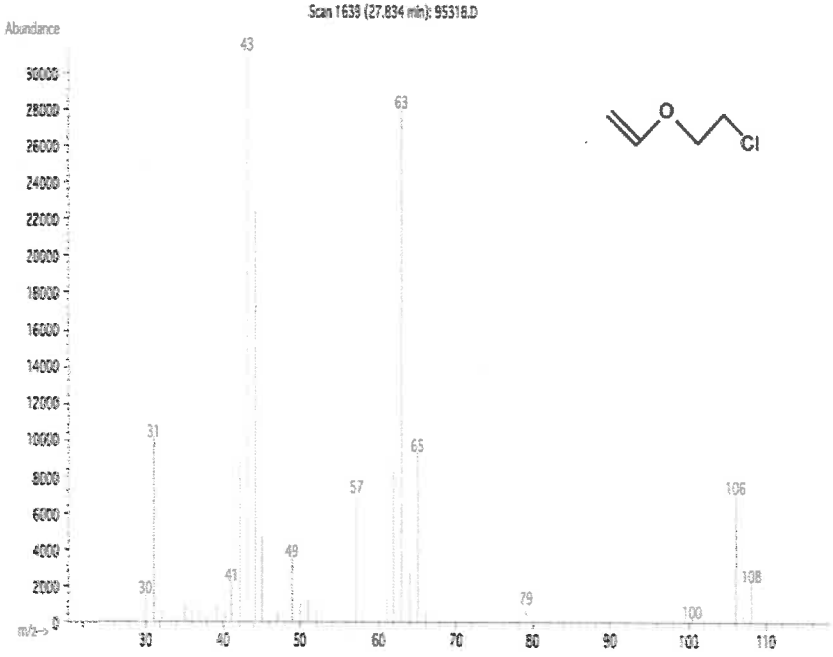
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

		120524
Formulated By:	Prashant Chauhan	DATE
		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.
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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Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

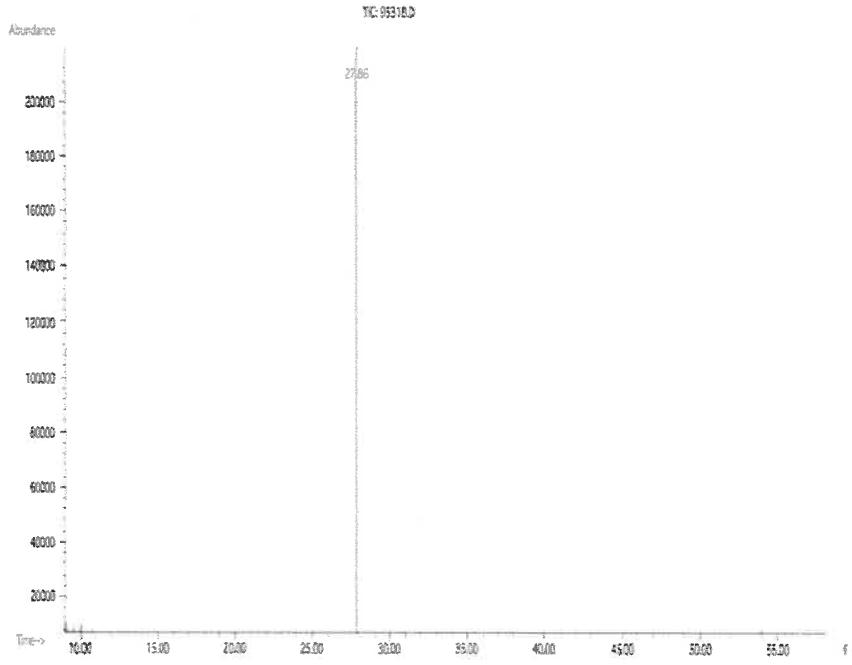
V14630 to V14649

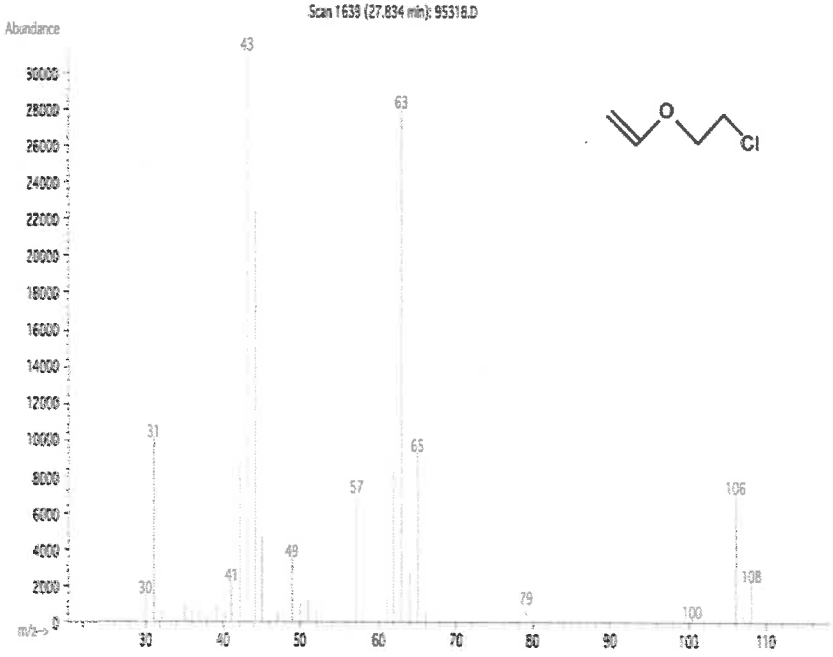
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

		120524
Formulated By:	Prashant Chauhan	DATE
		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.
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
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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.
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Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

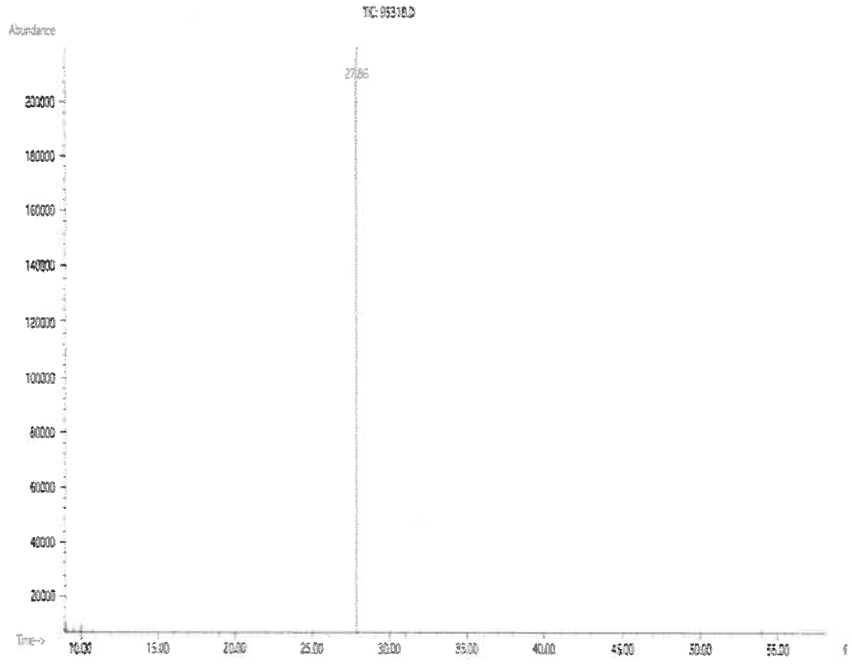
V14630 to V14649

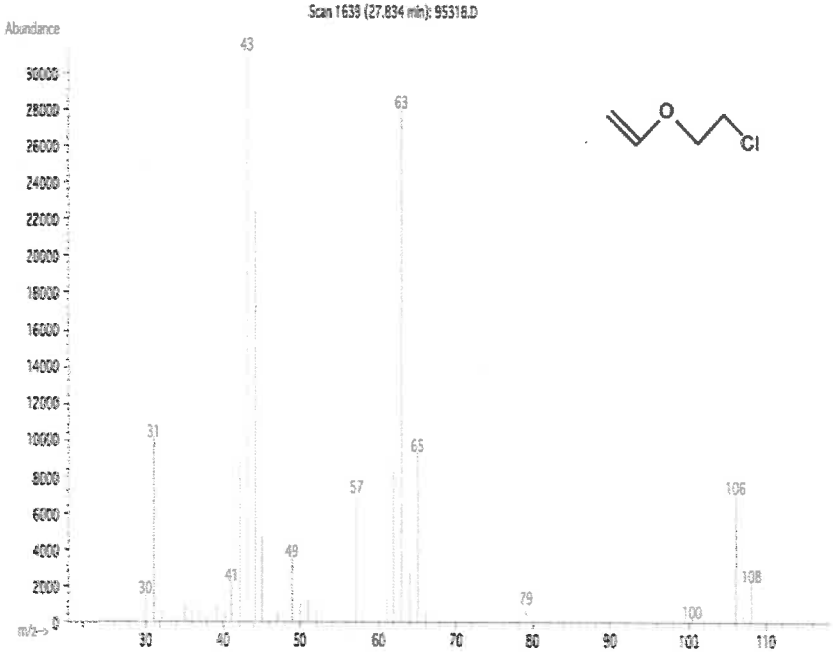
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

		120524
Formulated By:	Prashant Chauhan	DATE
		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).
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- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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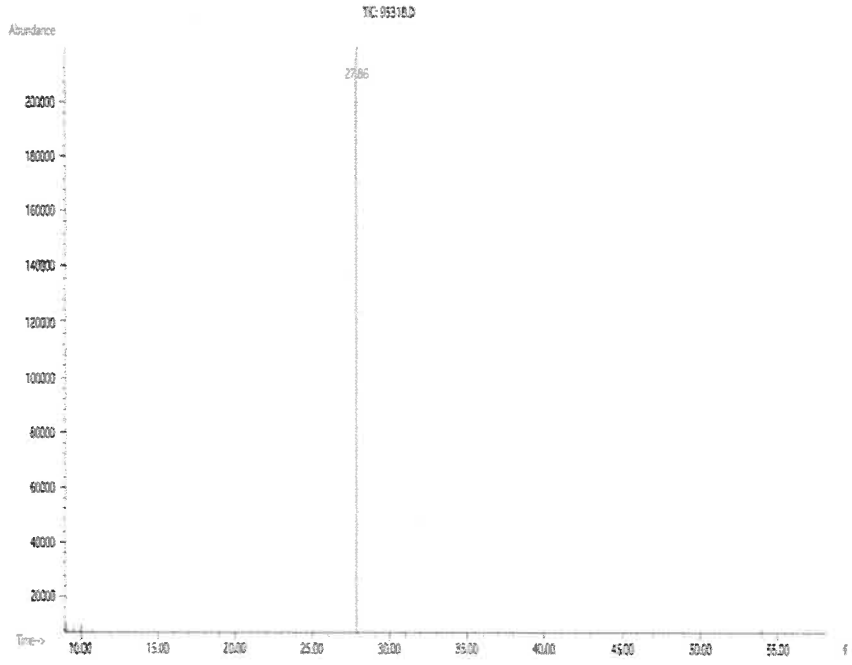

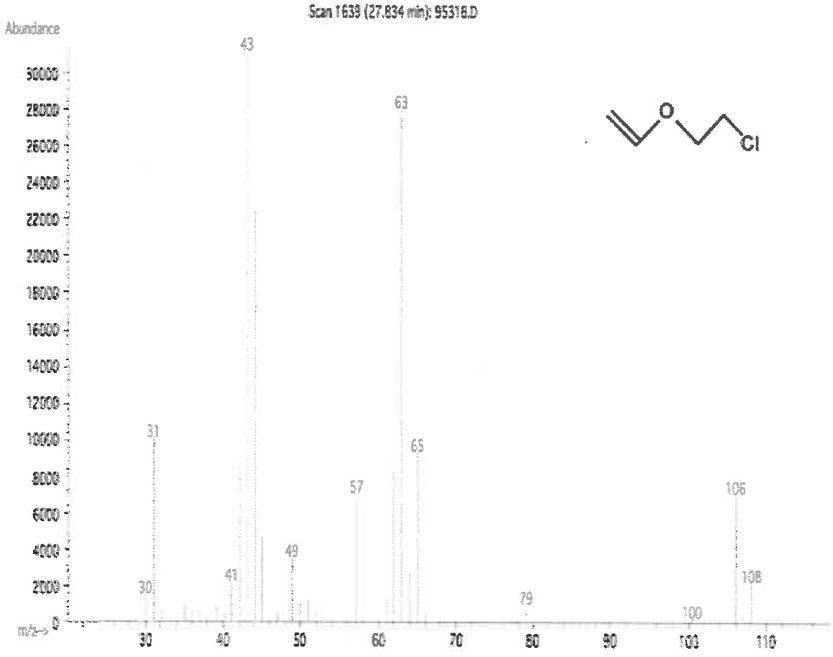

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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

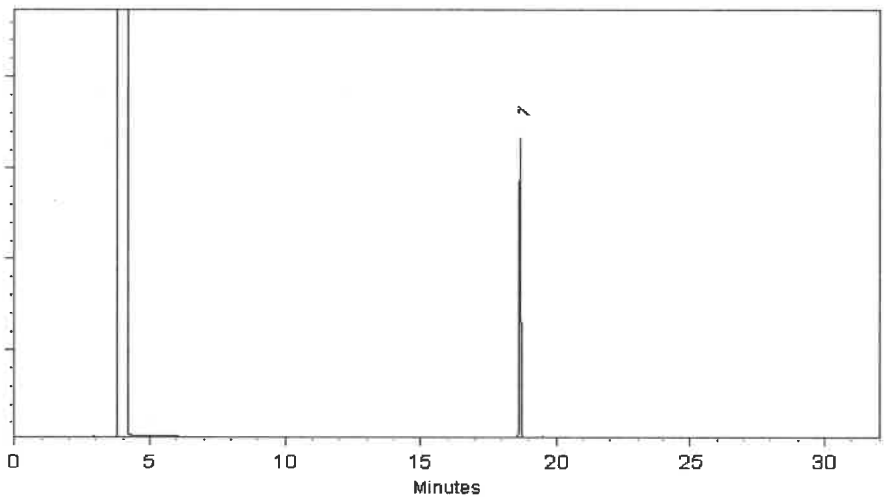
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

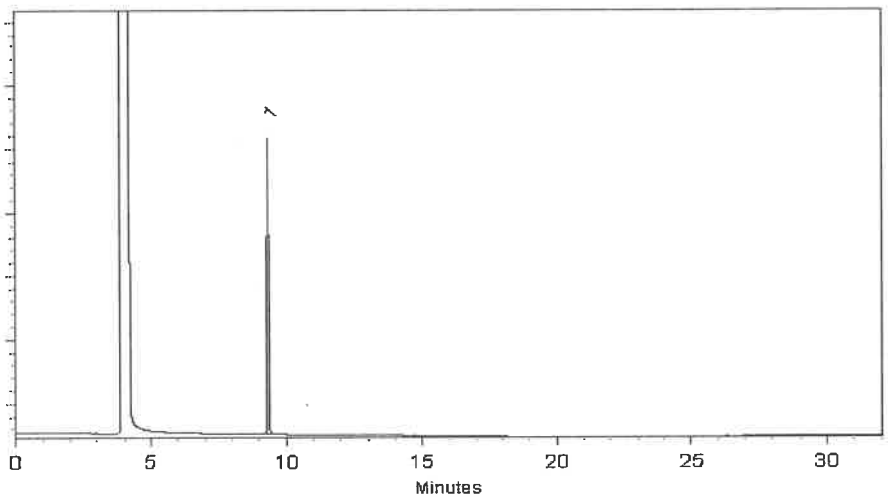
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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:

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Purity Notes:

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- 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:

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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.)

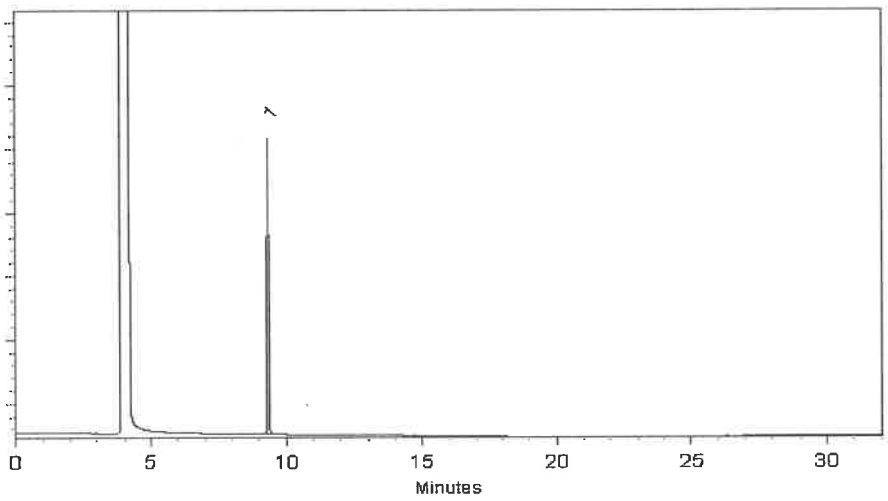
Inj. Temp:
200°C

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:

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Manufacturing Notes:

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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%

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Column:
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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:
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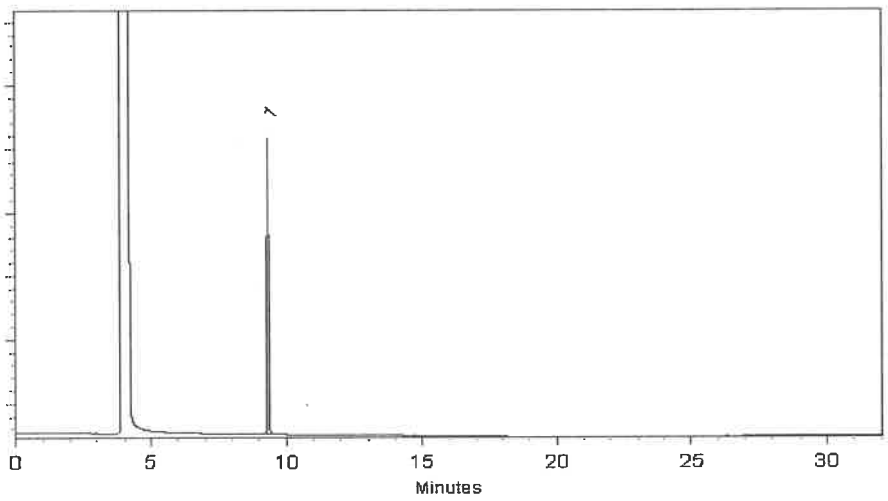
Det. Temp:
250°C

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

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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%

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Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

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Temp. Program:
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@ 8°C/min. (hold 5 min.)

Inj. Temp:
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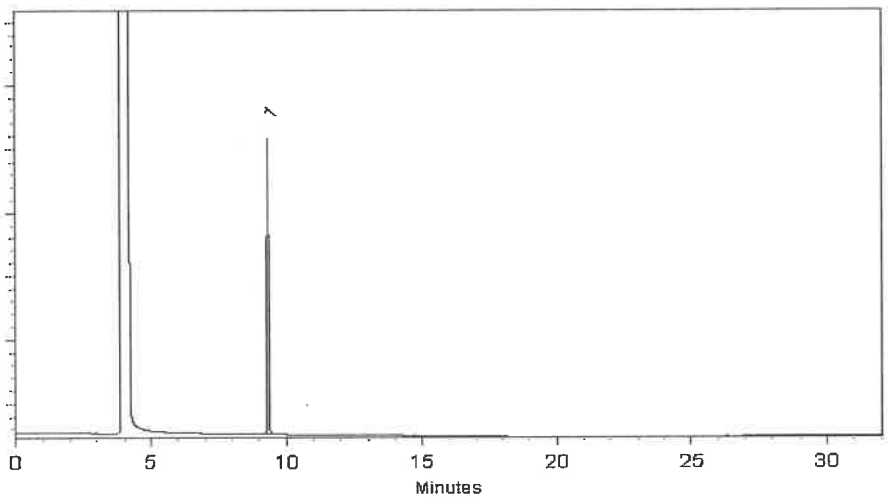
Det. Temp:
250°C

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:

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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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Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

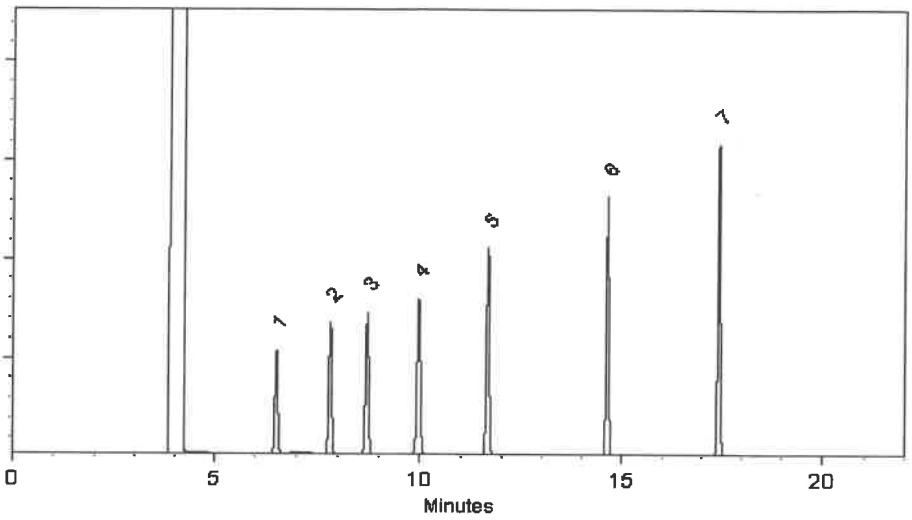
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

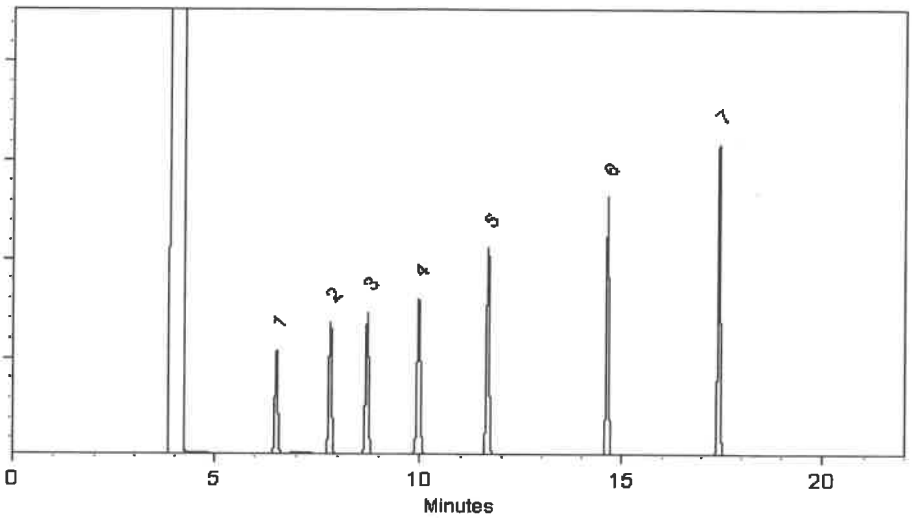
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

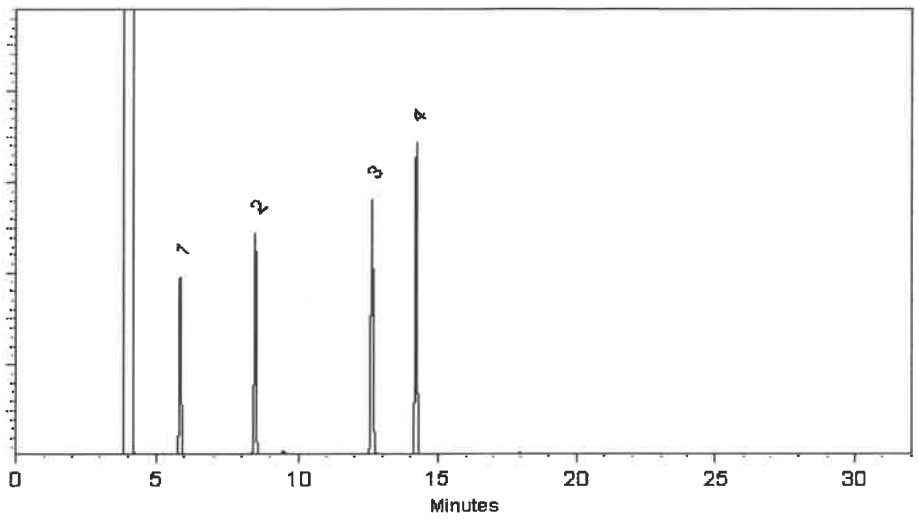
Inj. Temp:
200°C

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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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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.)

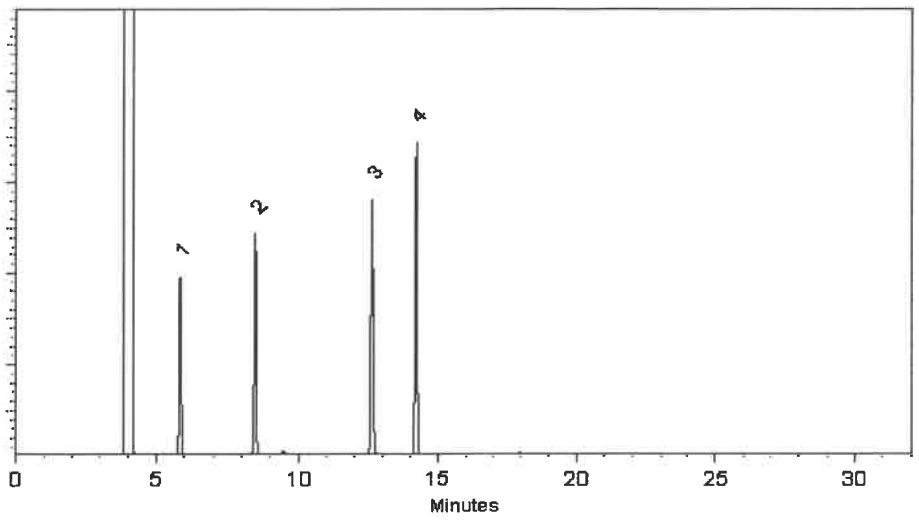
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

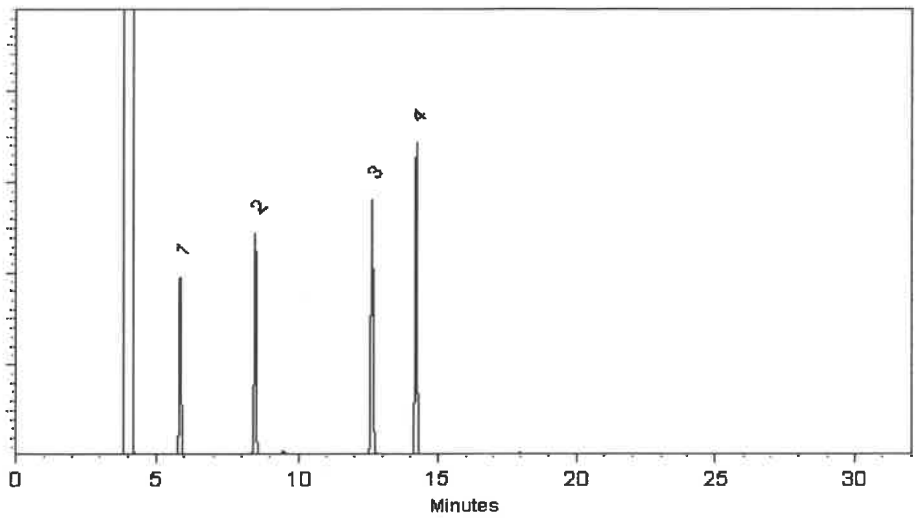
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

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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.

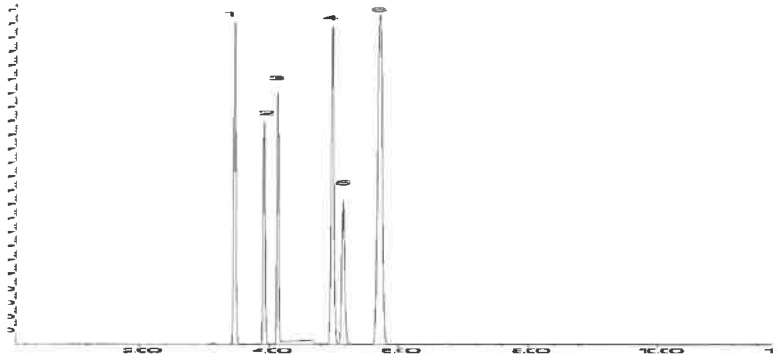
Inj. Temp:
200°C

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.
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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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CERTIFIED REFERENCE MATERIAL

30 Vial

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V14727 to
V14756

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
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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.

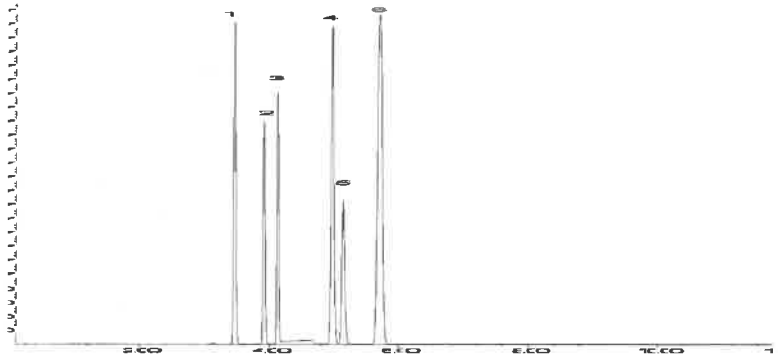
Inj. Temp:
200°C

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

Certificate of Analysis

chromatographic plus

J14842 to 14846

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Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

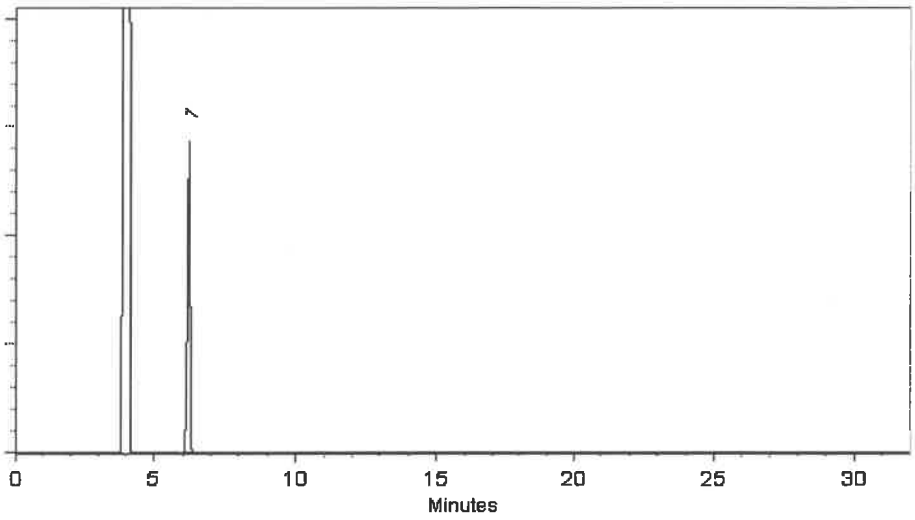
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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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:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

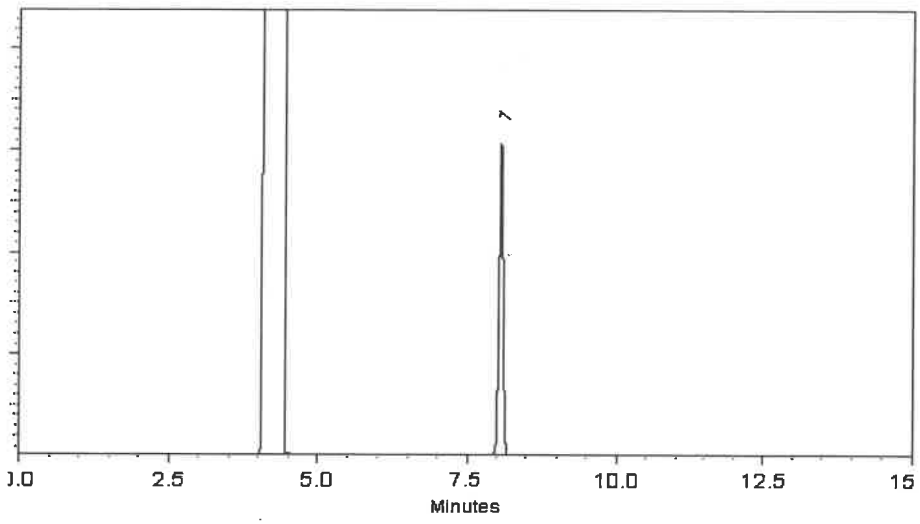
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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.)

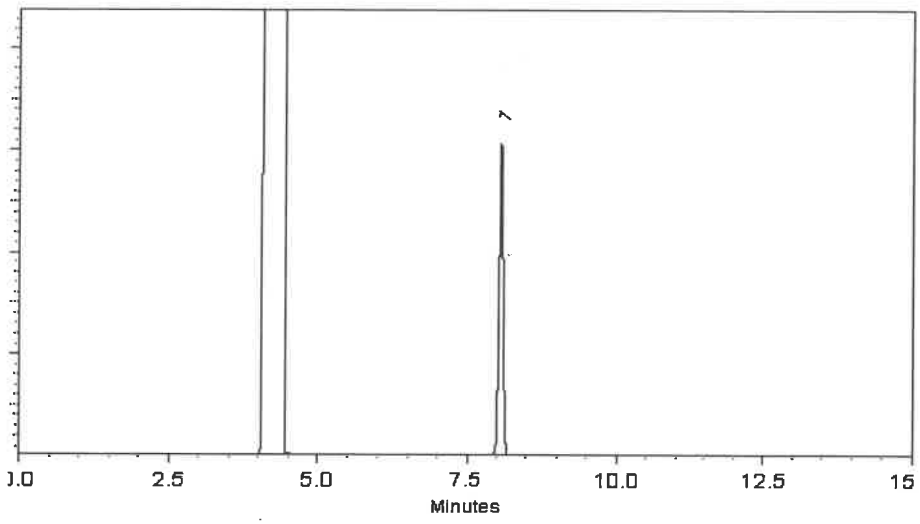
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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.

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

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1488
COC Number 2046197

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannet Fleming
ADDRESS: 1010 Adams Ave
CITY Audubon STATE: PA ZIP: 19405
ATTENTION: Joe Krupensky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Anfrak replacement of SB
PROJECT NO: 950000818 LOCATION: Kearny NJ
PROJECT MANAGER: Joe Krupensky
e-mail: RaQC@BENYS.COM
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield St
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha Peasly PHONE: 908-788-3148

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other _____
☐ EDD FORMAT BEM EDD

ANALYSIS

1: PCBs 2: TAL metals 3: TCL-VOC+10 4: Hex chromium 5: TCL-SVOCs-BNA-20 6: EPH 7: RCRA 8: TCLP 9:

ALLIANCE 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.	ENV-101-SB01	S		X	3/4/25	910	9	X	X	X	X	X	X	X	X		
2.	ENV-101-SB02	S				920	8	X	X	X	X	X	X	X	X		
3.	ENV-102-SB01	S				1005	9	X	X	X	X	X	X	X	X		
4.	ENV-102-SB02	S				1025	9	X	X	X	X	X	X	X	X		
5.	ENV-102-GW01	GW				1045	8	X	X	X	X	X	X				
6.	ENV-104-SB01	S				1200	9	X	X	X	X	X	X	X	X		
7.	ENV-104-SB02	S				1210	9	X	X	X	X	X	X	X	X		
8.	ENV-104-GW01	GW				1230	8	X	X	X	X	X	X				
9.	TB03042025	W				NA	2			X							
10.																	

← Specify Preservatives: A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3/4/25 1412	1. 3-4-25 1412
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY SAMPLER:	DATE/TIME: 1527	RECEIVED BY:
3.	3-4-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.7 °C
Comments: _____

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1488 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 3/4/2025 3:39:00 PM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 3/4/2025 3:27:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1488-01	ENV-101-SB01	Solid	03/04/2025	09:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1488-03	ENV-101-SB02	Solid	03/04/2025	09:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1488-05	ENV-102-SB01	Solid	03/04/2025	10:05					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1488-07	ENV-102-SB02	Solid	03/04/2025	10:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1488-09	ENV-104-SB01	Solid	03/04/2025	12:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1488-11	ENV-104-SB02	Solid	03/04/2025	12:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1488-13	ENV-102-GW01	Water	03/04/2025	10:45					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1488-14	ENV-104-GW01	Water	03/04/2025	12:30					

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

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Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q1488-15	TB03042025	Water	03/04/2025	00:00					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinguished By:
Date / Time : 3-4-25 1615

Received By :
Date / Time : 3.4.25 16:15

Storage Area : VOA Refridgerator Room